

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041525\  
 Data File : VN086280.D  
 Acq On : 15 Apr 2025 13:09  
 Operator : JC\MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 03:42:50 2025  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	217195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61458	19.513	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	39.020%#
35) Dibromofluoromethane	8.165	113	37195	19.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	39.640%#
50) Toluene-d8	10.565	98	191691	19.112	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	38.220%#
62) 4-Bromofluorobenzene	12.847	95	68030	18.596	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	37.200%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	54177	21.042	ug/l	99
3) Chloromethane	2.359	50	71193	19.026	ug/l	98
4) Vinyl Chloride	2.518	62	73472	20.576	ug/l	99
5) Bromomethane	2.959	94	34343	21.382	ug/l	98
6) Chloroethane	3.124	64	47157	19.732	ug/l	99
7) Trichlorofluoromethane	3.501	101	80568	20.369	ug/l	98
8) Diethyl Ether	3.959	74	36034	20.868	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	49252	20.584	ug/l	99
10) Methyl Iodide	4.589	142	55289	21.017	ug/l	99
11) Tert butyl alcohol	5.512	59	61718	107.400	ug/l	97
12) 1,1-Dichloroethene	4.348	96	51127	20.000	ug/l	98
13) Acrolein	4.183	56	28121	95.627	ug/l	99
14) Allyl chloride	5.024	41	89076	19.612	ug/l	99
15) Acrylonitrile	5.712	53	148850	104.781	ug/l	100
16) Acetone	4.424	43	122726	109.479	ug/l	98
17) Carbon Disulfide	4.712	76	149518	19.534	ug/l	100
18) Methyl Acetate	5.024	43	75070	19.857	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	191056	20.332	ug/l	97
20) Methylene Chloride	5.277	84	58230	19.999	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	53894	20.165	ug/l	99
22) Diisopropyl ether	6.671	45	196831	19.911	ug/l	98
23) Vinyl Acetate	6.600	43	713534m	103.278	ug/l	
24) 1,1-Dichloroethane	6.565	63	104777	20.087	ug/l	99
25) 2-Butanone	7.477	43	202298	103.191	ug/l	99
26) 2,2-Dichloropropane	7.489	77	94147	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	66347	20.001	ug/l	99
28) Bromochloromethane	7.812	49	40391	18.263	ug/l	100
29) Tetrahydrofuran	7.836	42	136348	104.008	ug/l	99
30) Chloroform	7.965	83	103881	20.274	ug/l	100
31) Cyclohexane	8.253	56	101546	19.895	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	89173	20.344	ug/l	97
36) 1,1-Dichloropropene	8.365	75	75426	20.122	ug/l	99
37) Ethyl Acetate	7.553	43	79383	20.115	ug/l	99
38) Carbon Tetrachloride	8.359	117	72704	20.367	ug/l	99
39) Methylcyclohexane	9.594	83	88728	19.915	ug/l	98
40) Benzene	8.600	78	243918	20.310	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	45760	20.007	ug/l	100
42) 1,2-Dichloroethane	8.665	62	77932	20.348	ug/l	100
43) Isopropyl Acetate	8.683	43	157753	20.921	ug/l	99
44) Trichloroethene	9.353	130	56926	19.998	ug/l	99
45) 1,2-Dichloropropane	9.618	63	59599	20.273	ug/l	98
46) Dibromomethane	9.706	93	38601	20.608	ug/l	98
47) Bromodichloromethane	9.888	83	82517	20.397	ug/l	98
48) Methyl methacrylate	9.677	41	69986	20.195	ug/l	99
49) 1,4-Dioxane	9.694	88	24362	413.277	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	421471	104.297	ug/l	100
52) Toluene	10.630	92	152248	20.317	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	92441	20.470	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	100415	20.245	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	53630	19.891	ug/l	97
56) Ethyl methacrylate	10.871	69	100712	20.321	ug/l	99
57) 1,3-Dichloropropane	11.159	76	97363	20.353	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	222766	94.702	ug/l	100
59) 2-Hexanone	11.194	43	309954	103.408	ug/l	100
60) Dibromochloromethane	11.359	129	60596	20.467	ug/l	100
61) 1,2-Dibromoethane	11.465	107	56679	20.834	ug/l	99
64) Tetrachloroethene	11.100	164	55481	20.282	ug/l	97
65) Chlorobenzene	11.888	112	158917	20.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52389	20.010	ug/l	98
67) Ethyl Benzene	11.959	91	288483	20.144	ug/l	99
68) m/p-Xylenes	12.071	106	215301	40.122	ug/l	99
69) o-Xylene	12.394	106	107161	20.193	ug/l	99
70) Styrene	12.406	104	177099	20.029	ug/l	99
71) Bromoform	12.576	173	39697	20.138	ug/l #	98
73) Isopropylbenzene	12.694	105	264607	20.443	ug/l	99
74) N-amyl acetate	12.488	43	126575	19.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	76740	20.620	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	74829m	20.130	ug/l	
77) Bromobenzene	12.976	156	59889	20.882	ug/l	99
78) n-propylbenzene	13.029	91	307737	20.176	ug/l	100
79) 2-Chlorotoluene	13.124	91	193569	20.281	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	216364	20.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	31256m	20.104	ug/l	
82) 4-Chlorotoluene	13.218	91	192849	20.341	ug/l	99
83) tert-Butylbenzene	13.435	119	182683	19.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	217135	20.135	ug/l	100
85) sec-Butylbenzene	13.612	105	252593	19.838	ug/l	99
86) p-Isopropyltoluene	13.723	119	208256	19.844	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	107491	19.938	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	108412	19.964	ug/l	99
89) n-Butylbenzene	14.053	91	184852	19.871	ug/l	99
90) Hexachloroethane	14.329	117	35250	19.968	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	104185	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15863	21.139	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	50179	20.048	ug/l	99
94) Hexachlorobutadiene	15.494	225	19024	20.135	ug/l	99
95) Naphthalene	15.635	128	183816	20.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	47425	20.013	ug/l	99

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**ClientSampleId :**  
VSTDIC020

**Manual Integrations**  
**APPROVED**

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Supervised By :Semsettin Yesilyurt 04/16/2025

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Quant Title : SW846 8260  
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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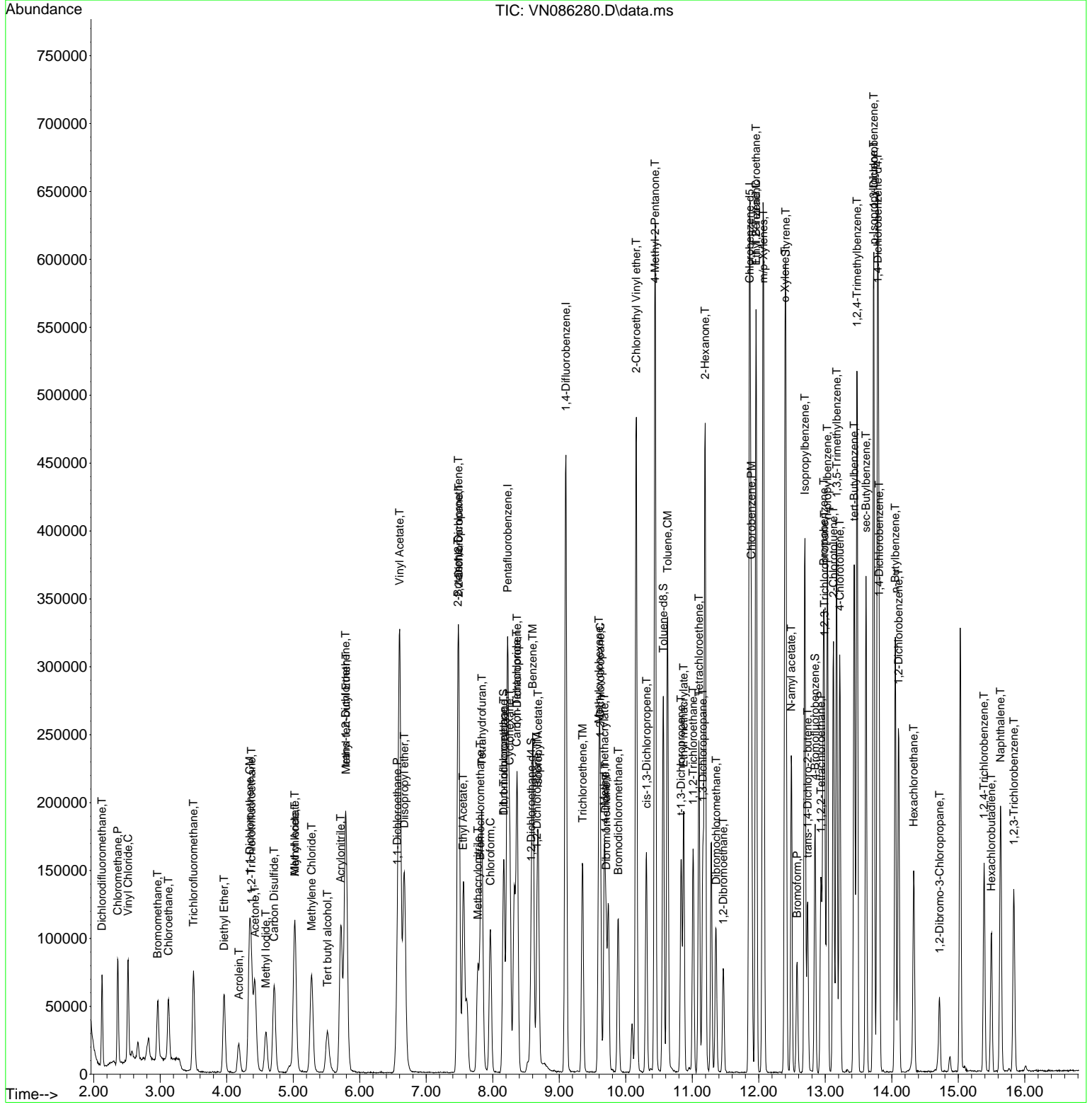
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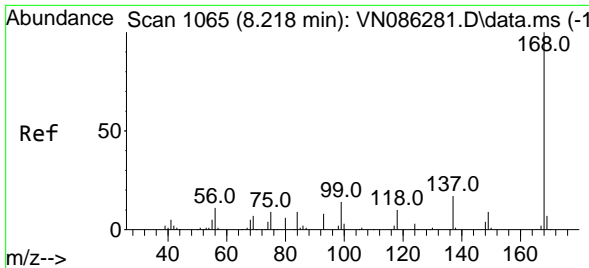
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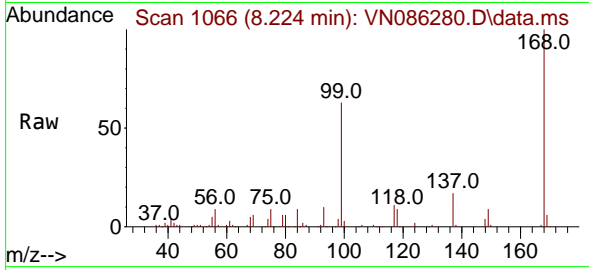
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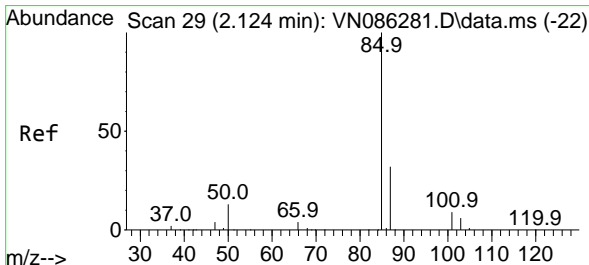
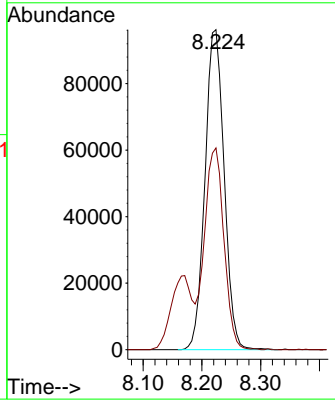
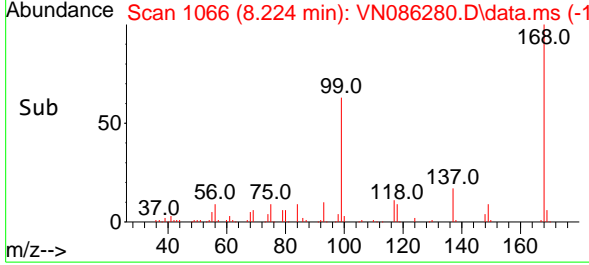
#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.224 min Scan# 1066  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
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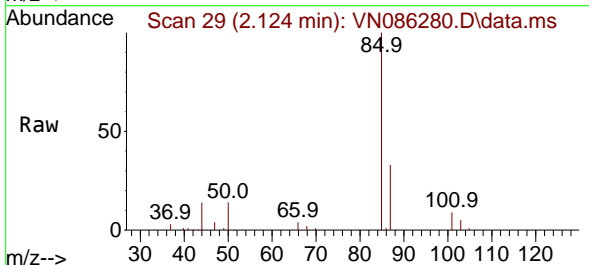


Tgt Ion: 168 Resp: 21719  
 Ion Ratio Lower Upper  
 168 100  
 99 63.1 52.5 78.7

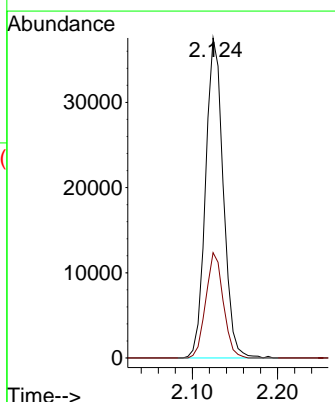
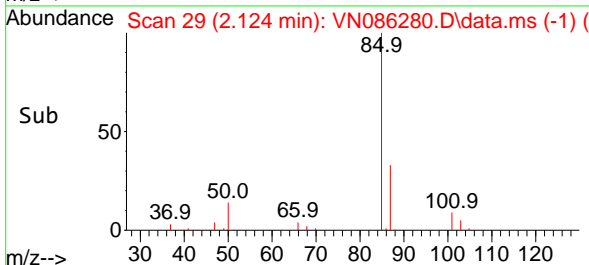
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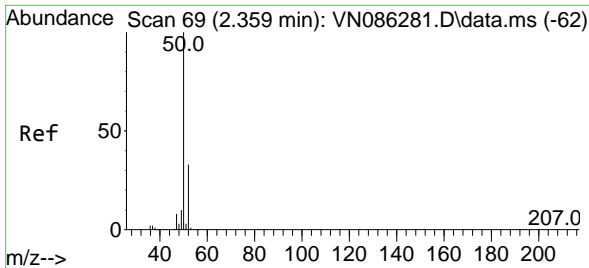


#2  
 Dichlorodifluoromethane  
 Concen: 21.042 ug/l  
 RT: 2.124 min Scan# 29  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
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Tgt Ion: 85 Resp: 54177  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 16.3 48.8





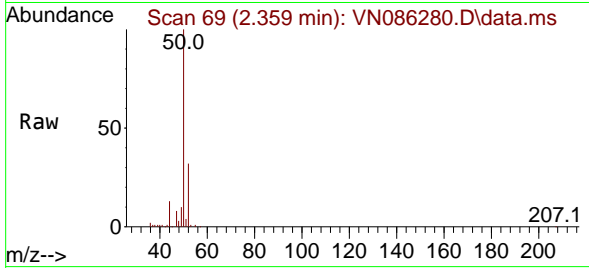
#3  
 Chloromethane  
 Concen: 19.026 ug/l  
 RT: 2.359 min Scan# 69  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
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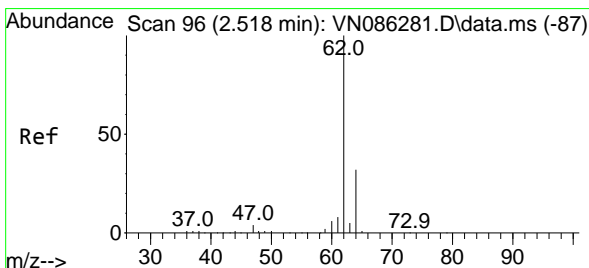
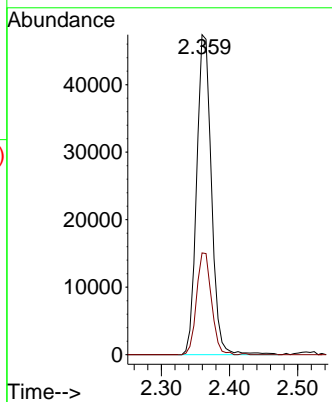
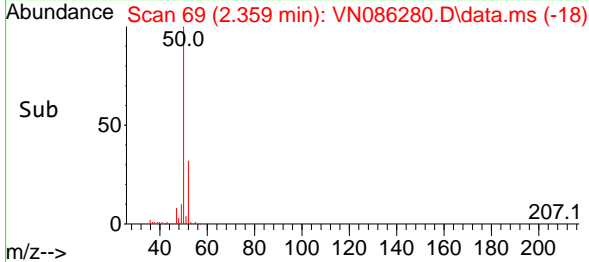
VSTDIC020



Tgt Ion: 50 Resp: 7119  
 Ion Ratio Lower Upper  
 50 100  
 52 31.8 26.5 39.7

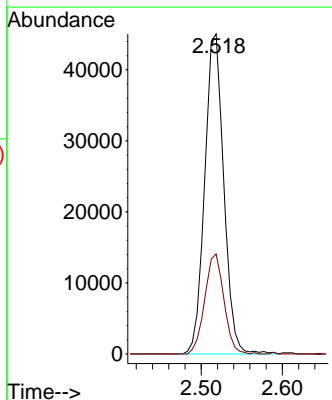
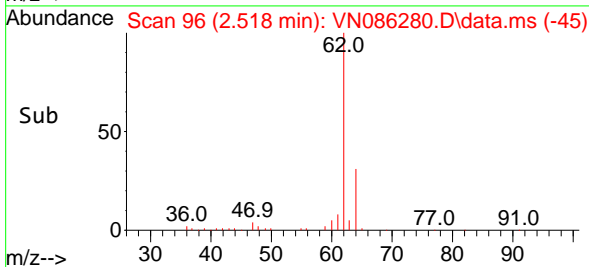
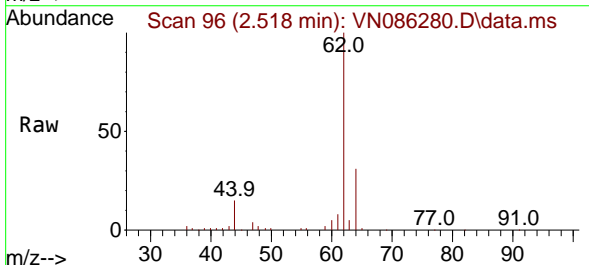
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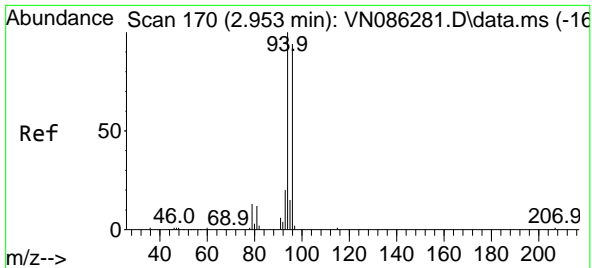
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025



#4  
 Vinyl Chloride  
 Concen: 20.576 ug/l  
 RT: 2.518 min Scan# 96  
 Delta R.T. 0.000 min  
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Tgt Ion: 62 Resp: 73472  
 Ion Ratio Lower Upper  
 62 100  
 64 31.2 25.6 38.4





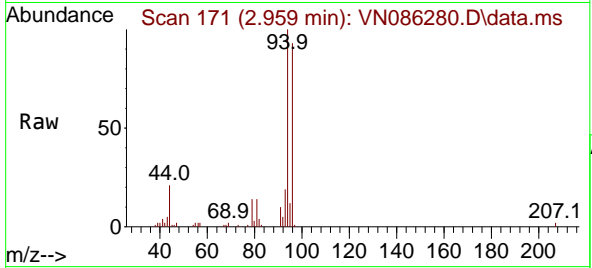
#5  
 Bromomethane  
 Concen: 21.382 ug/l  
 RT: 2.959 min Scan# 171  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
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VSTDICC020



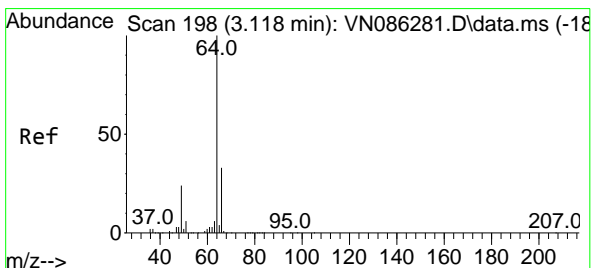
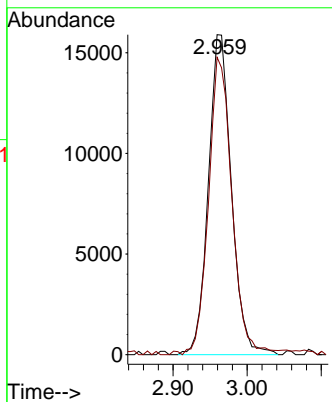
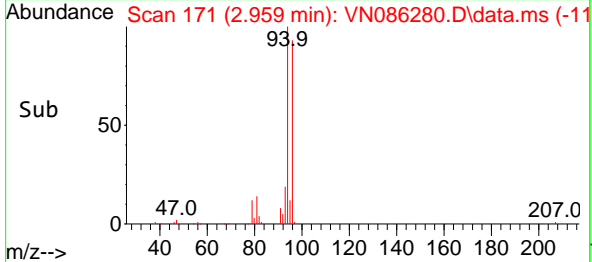
Tgt Ion: 94 Resp: 3434  
 Ion Ratio Lower Upper  
 94 100  
 96 92.0 75.2 112.8

Manual Integrations

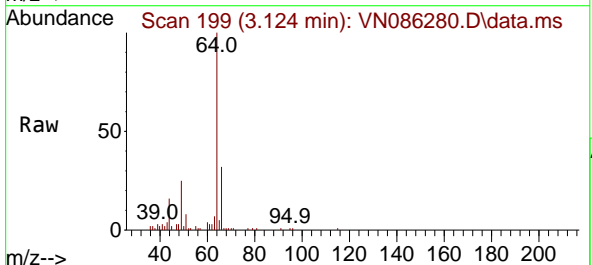
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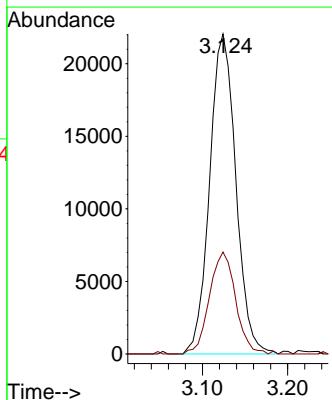
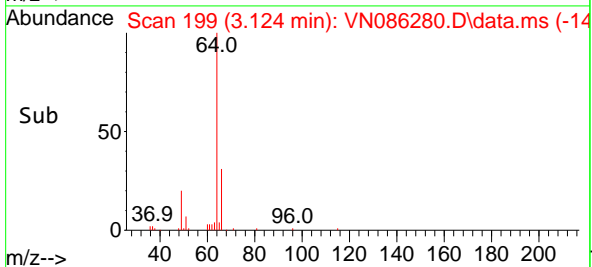
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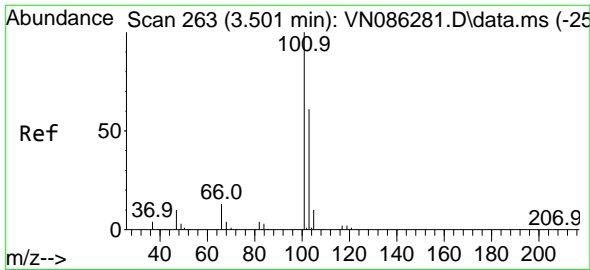


#6  
 Chloroethane  
 Concen: 19.732 ug/l  
 RT: 3.124 min Scan# 199  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 64 Resp: 47157  
 Ion Ratio Lower Upper  
 64 100  
 66 31.9 26.2 39.2





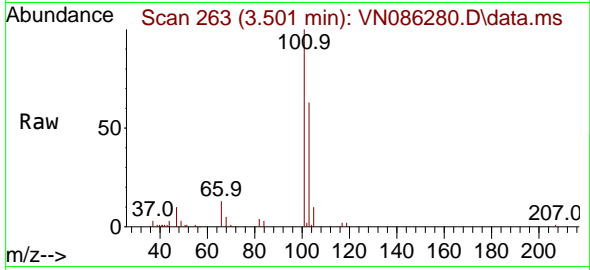
#7  
 Trichlorofluoromethane  
 Concen: 20.369 ug/l  
 RT: 3.501 min Scan# 263  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
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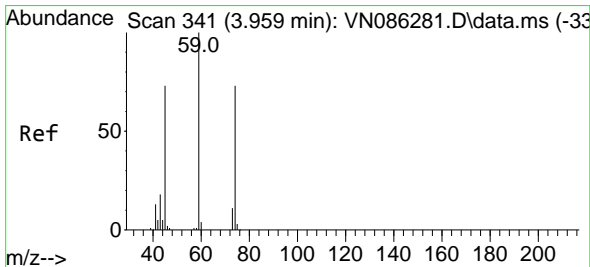
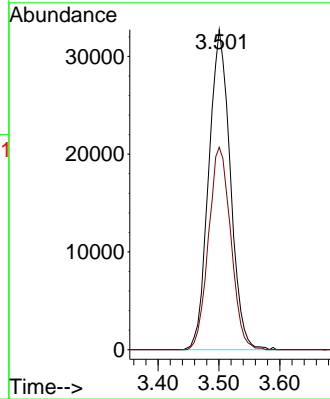
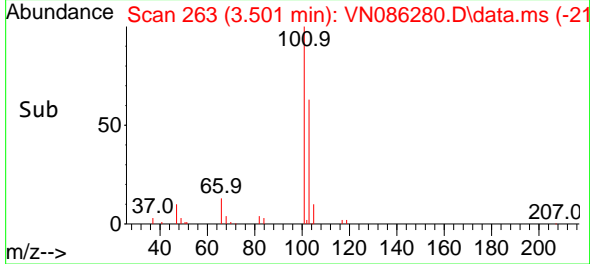
Tgt Ion: 101 Resp: 8056  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 49.2 73.8

Manual Integrations

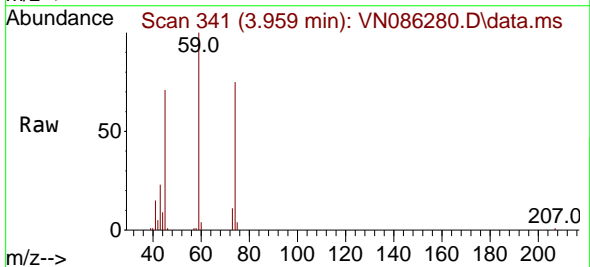
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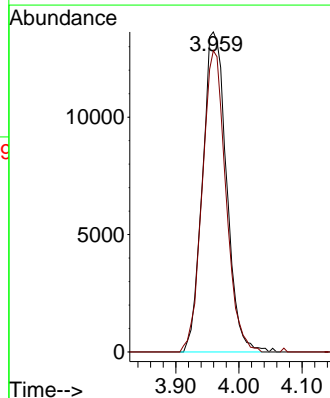
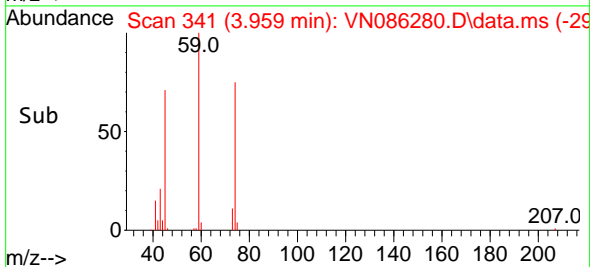
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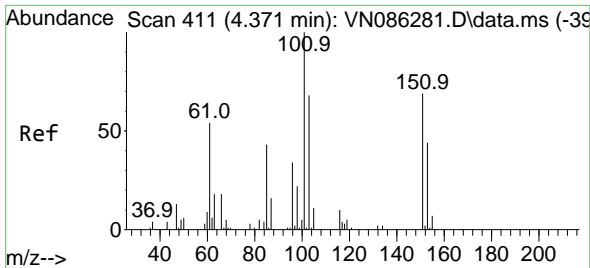
#8  
 Diethyl Ether  
 Concen: 20.868 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 74 Resp: 36034  
 Ion Ratio Lower Upper  
 74 100  
 45 92.5 48.0 144.2

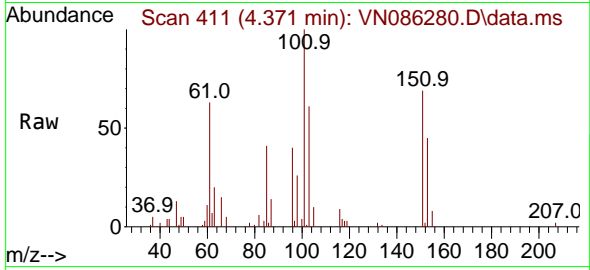






#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.584 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020

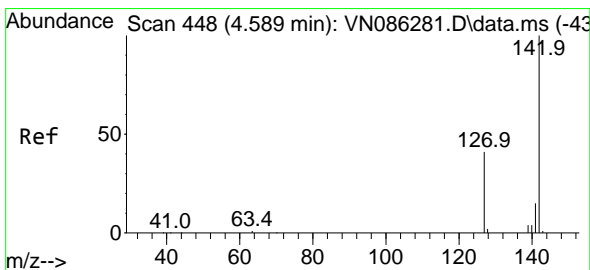
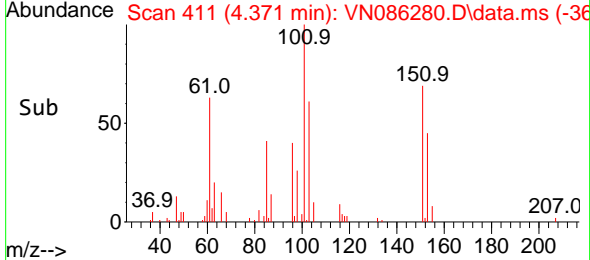
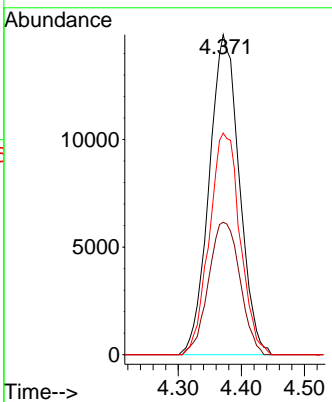


Tgt Ion: 101 Resp: 4925

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.7	52.1
151	70.7	56.1	84.1

Manual Integrations  
**APPROVED**

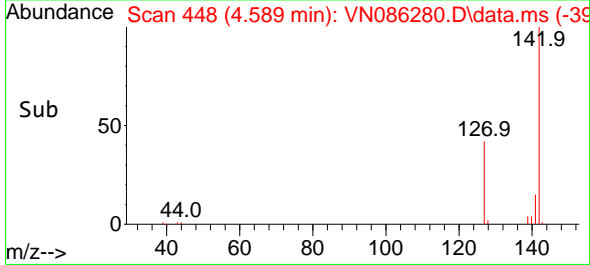
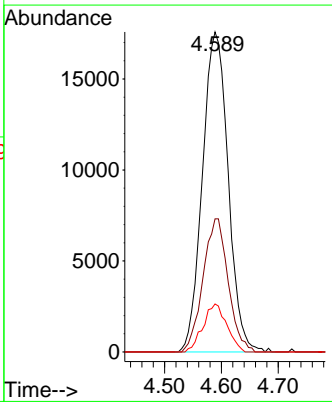
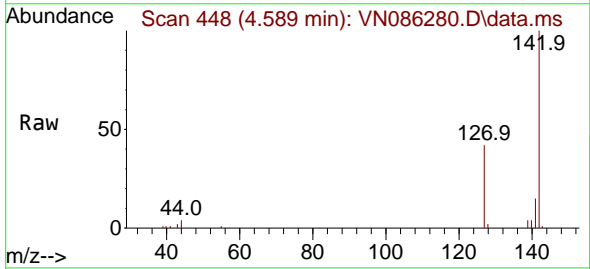
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

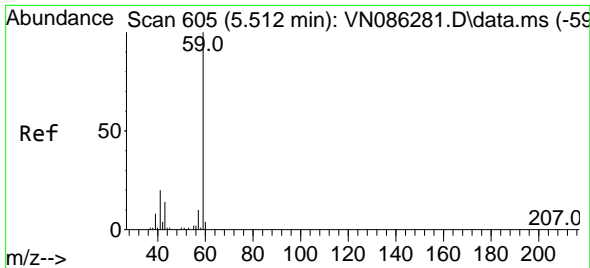


#10  
 Methyl Iodide  
 Concen: 21.017 ug/l  
 RT: 4.589 min Scan# 448  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Tgt Ion: 142 Resp: 55289

Ion	Ratio	Lower	Upper
142	100		
127	41.6	32.7	49.1
141	15.0	11.7	17.5





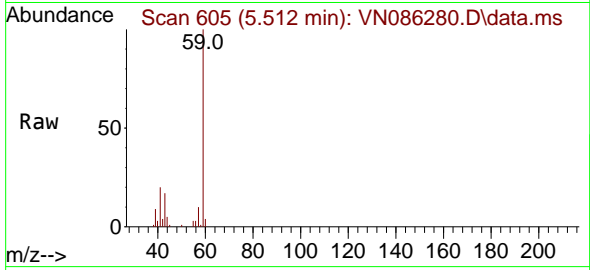
#11  
 Tert butyl alcohol  
 Concen: 107.400 ug/l  
 RT: 5.512 min Scan# 605  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDICC020



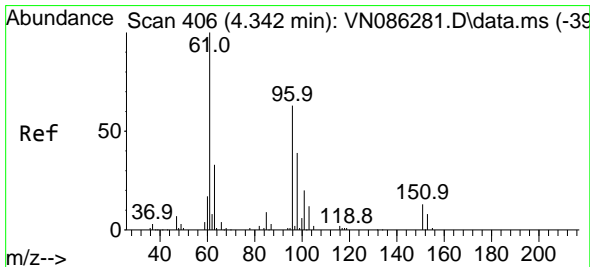
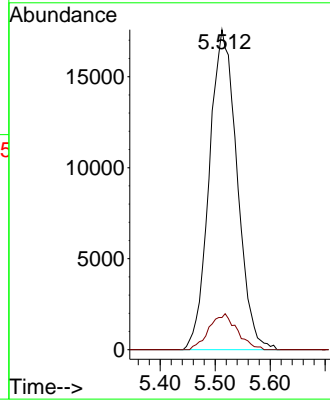
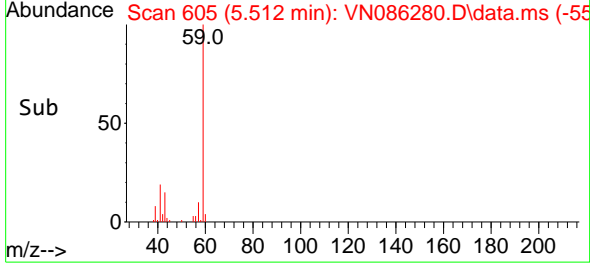
Tgt Ion: 59 Resp: 61718  
 Ion Ratio Lower Upper  
 59 100  
 57 11.4 8.3 12.5

Manual Integrations

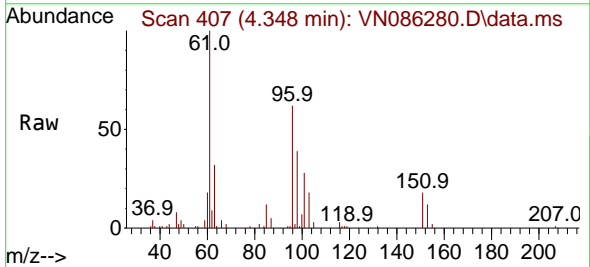
APPROVED

Reviewed By :John Carlone 04/16/2025

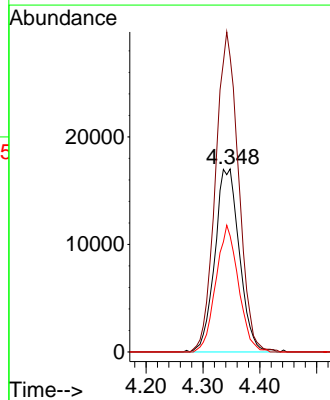
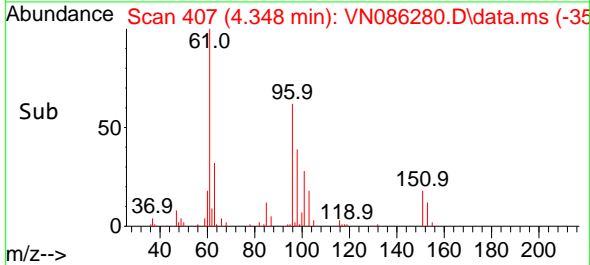
Supervised By :Semsettin Yesilyurt 04/16/2025

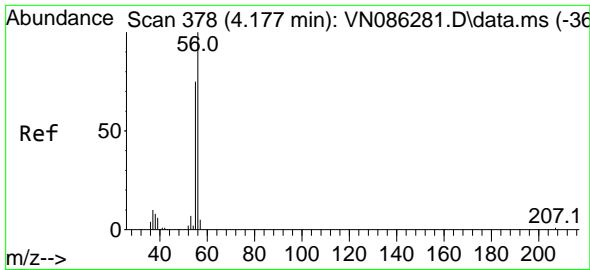


#12  
 1,1-Dichloroethene  
 Concen: 20.000 ug/l  
 RT: 4.348 min Scan# 407  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



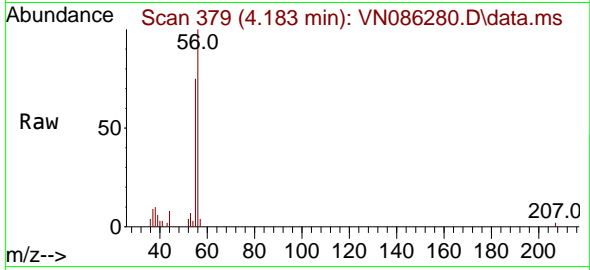
Tgt Ion: 96 Resp: 51127  
 Ion Ratio Lower Upper  
 96 100  
 61 161.3 126.6 189.8  
 98 63.4 49.6 74.4





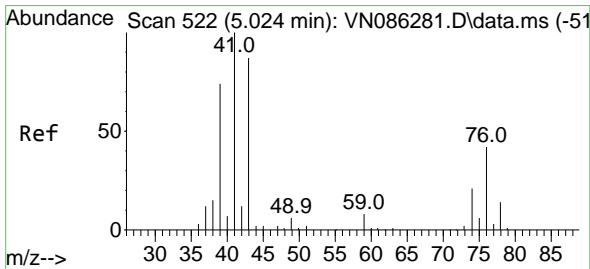
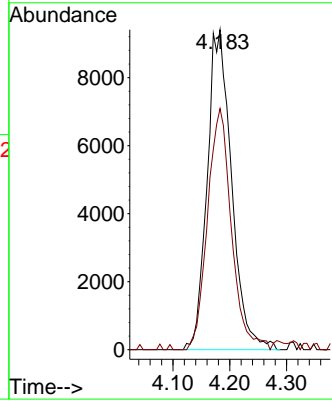
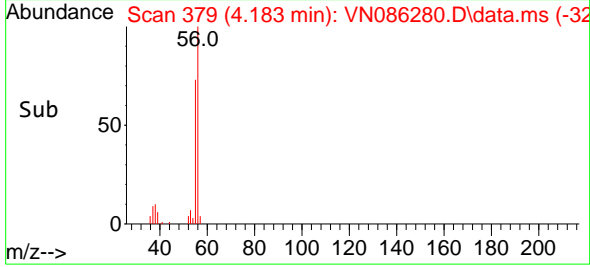
#13  
 Acrolein  
 Concen: 95.627 ug/l  
 RT: 4.183 min Scan# 31  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020

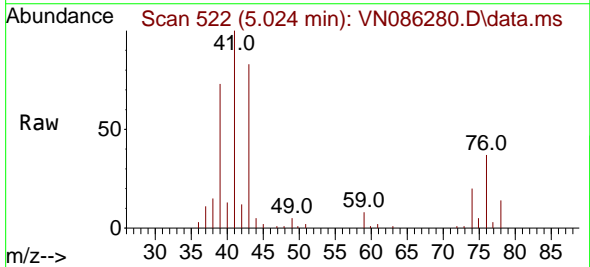


Tgt Ion: 56 Resp: 2812  
 Ion Ratio Lower Upper  
 56 100  
 55 73.6 58.5 87.7

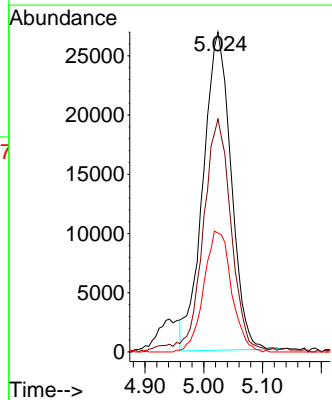
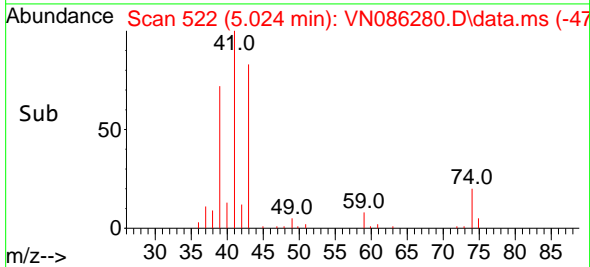
Manual Integrations  
**APPROVED**  
 Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

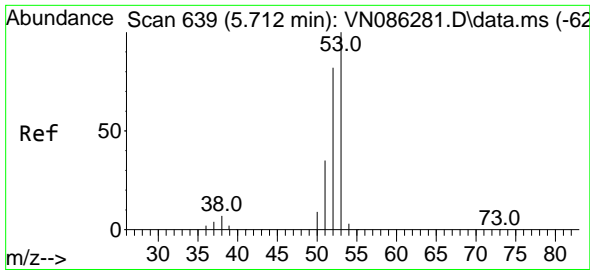


#14  
 Allyl chloride  
 Concen: 19.612 ug/l  
 RT: 5.024 min Scan# 522  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 41 Resp: 89076  
 Ion Ratio Lower Upper  
 41 100  
 39 73.7 59.2 88.8  
 76 37.5 31.2 46.8





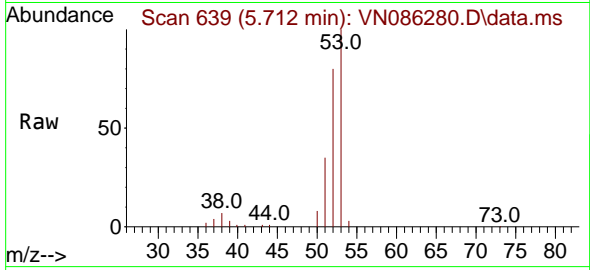
#15  
 Acrylonitrile  
 Concen: 104.781 ug/l  
 RT: 5.712 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDICC020



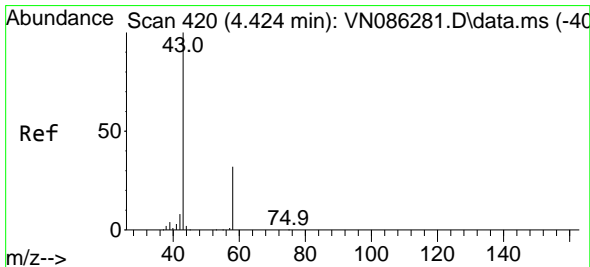
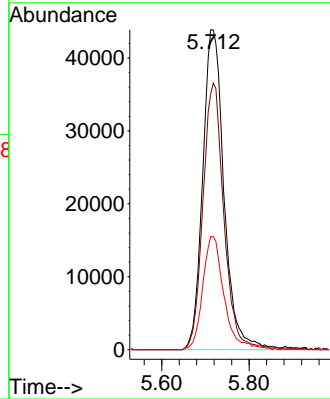
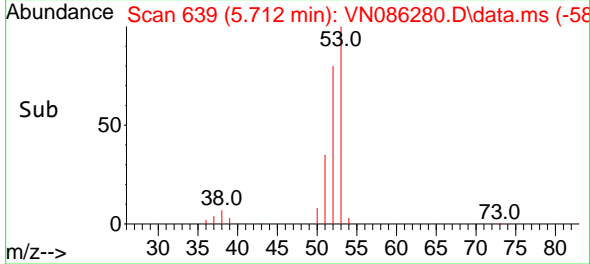
Tgt Ion: 53 Resp: 148850  
 Ion Ratio Lower Upper  
 53 100  
 52 81.6 65.5 98.3  
 51 35.4 28.6 42.8

Manual Integrations

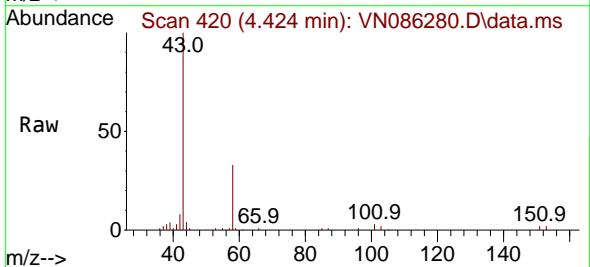
APPROVED

Reviewed By :John Carlone 04/16/2025

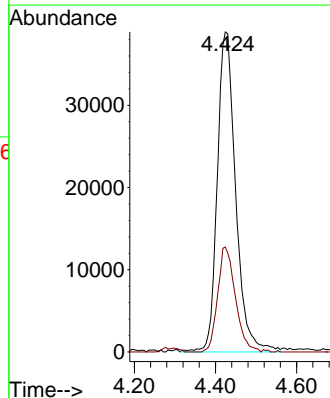
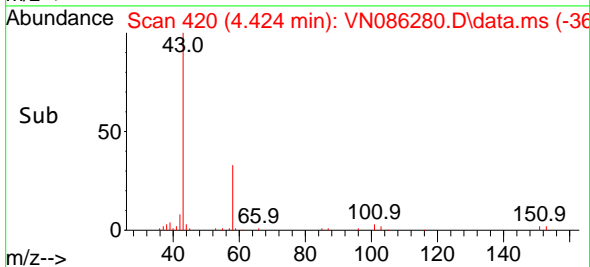
Supervised By :Semsettin Yesilyurt 04/16/2025

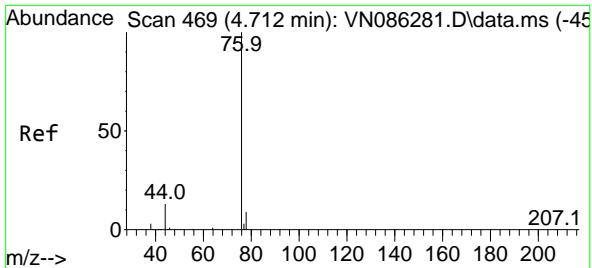


#16  
 Acetone  
 Concen: 109.479 ug/l  
 RT: 4.424 min Scan# 420  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 43 Resp: 122726  
 Ion Ratio Lower Upper  
 43 100  
 58 32.8 25.3 37.9





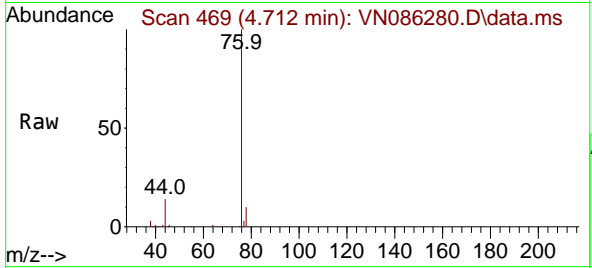
#17  
 Carbon Disulfide  
 Concen: 19.534 ug/l  
 RT: 4.712 min Scan# 469  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



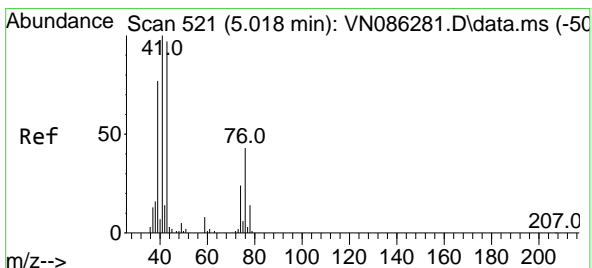
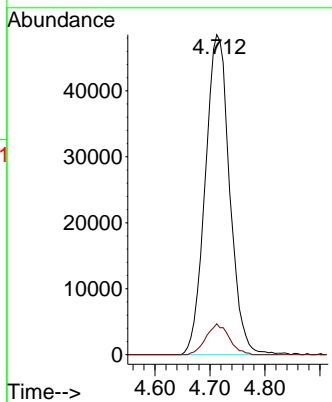
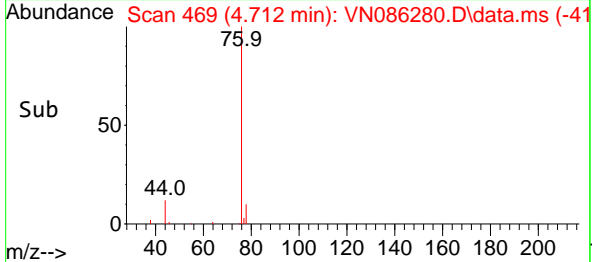
Tgt Ion: 76 Resp: 149518  
 Ion Ratio Lower Upper  
 76 100  
 78 9.7 7.6 11.4

Manual Integrations

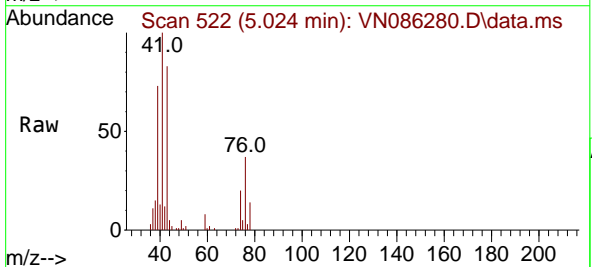
APPROVED

Reviewed By :John Carlone 04/16/2025

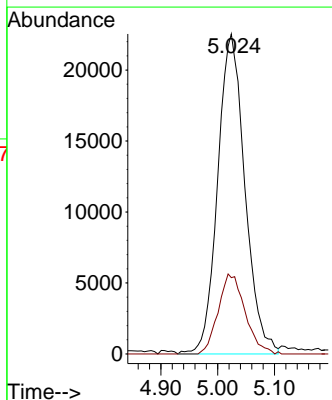
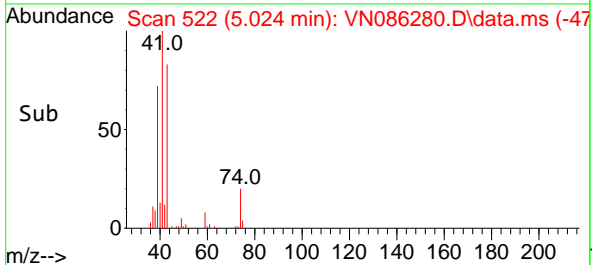
Supervised By :Semsettin Yesilyurt 04/16/2025

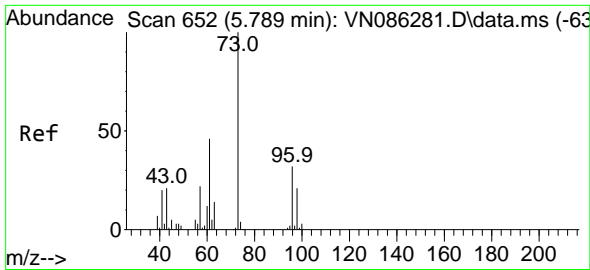


#18  
 Methyl Acetate  
 Concen: 19.857 ug/l  
 RT: 5.024 min Scan# 522  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 43 Resp: 75070  
 Ion Ratio Lower Upper  
 43 100  
 74 24.6 19.8 29.6





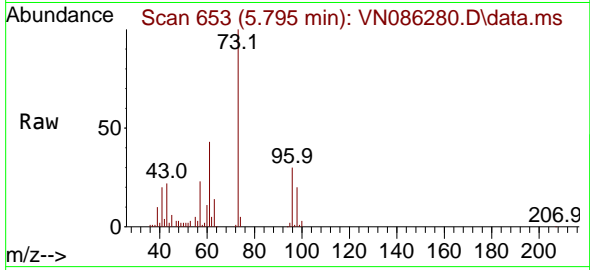
#19  
 Methyl tert-butyl Ether  
 Concen: 20.332 ug/l  
 RT: 5.795 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



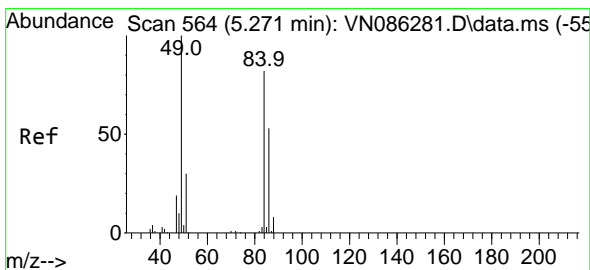
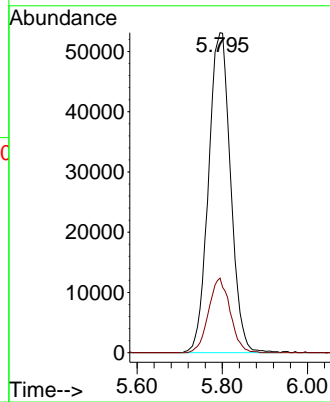
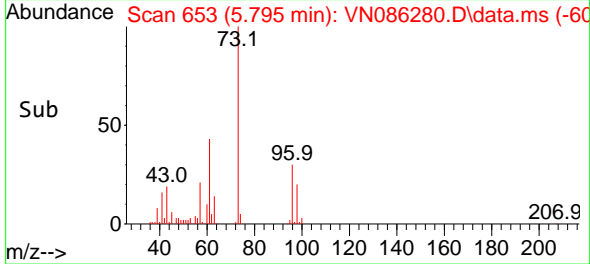
Tgt Ion: 73 Resp: 19105  
 Ion Ratio Lower Upper  
 73 100  
 57 23.3 17.6 26.4

Manual Integrations

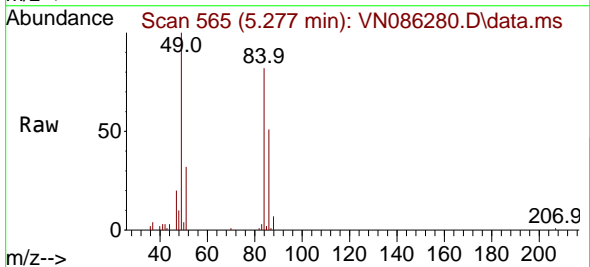
APPROVED

Reviewed By : John Carlone 04/16/2025

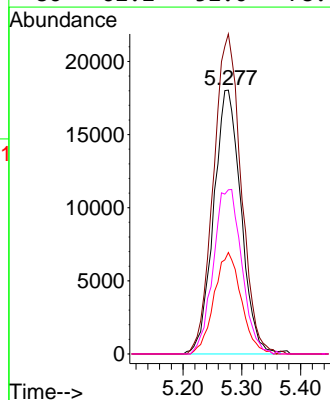
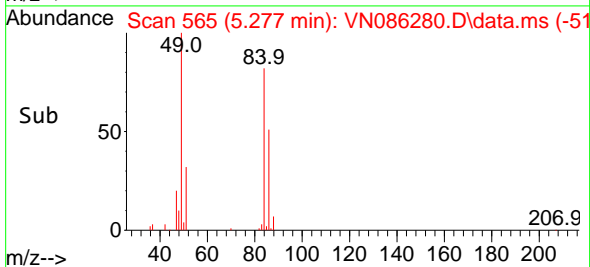
Supervised By : Semsettin Yesilyurt 04/16/2025

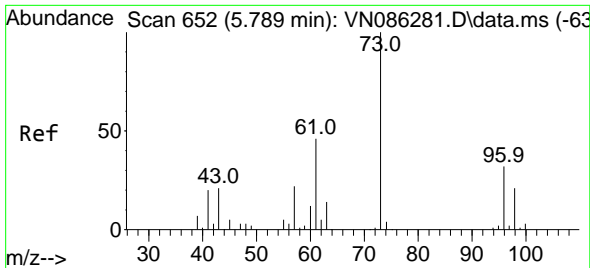


#20  
 Methylene Chloride  
 Concen: 19.999 ug/l  
 RT: 5.277 min Scan# 565  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



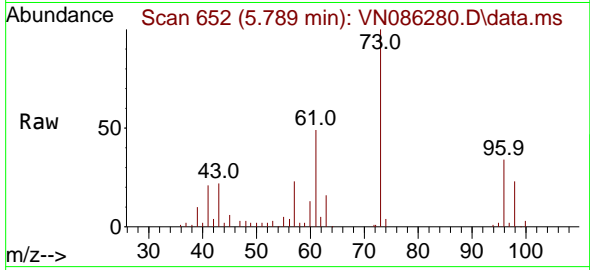
Tgt Ion: 84 Resp: 58230  
 Ion Ratio Lower Upper  
 84 100  
 49 121.3 98.2 147.2  
 51 38.5 29.8 44.6  
 86 62.2 52.0 78.0





#21  
 trans-1,2-Dichloroethene  
 Concen: 20.165 ug/l  
 RT: 5.789 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

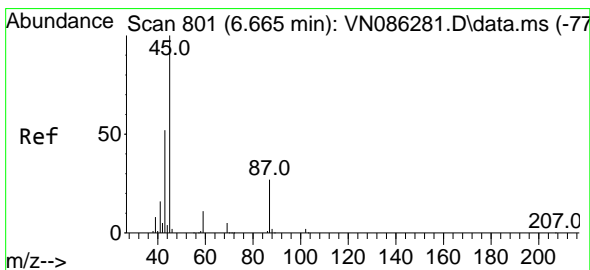
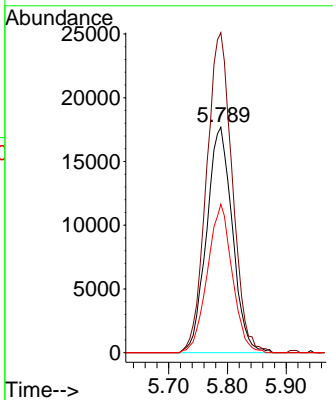
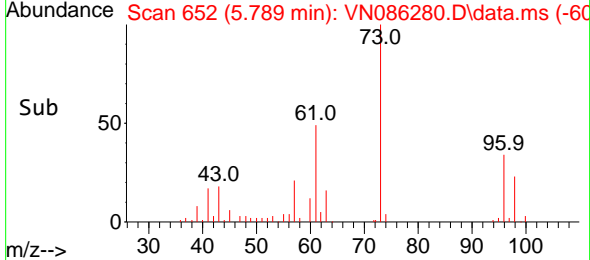
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



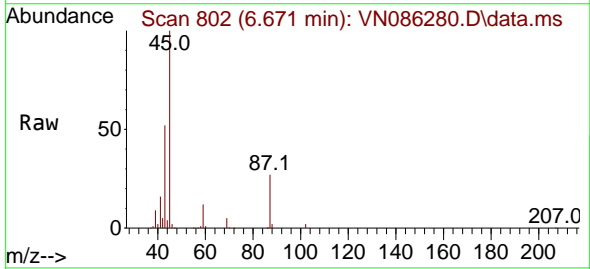
Tgt Ion: 96 Resp: 53894  
 Ion Ratio Lower Upper  
 96 100  
 61 141.9 114.6 171.8  
 98 65.8 51.2 76.8

Manual Integrations  
 APPROVED

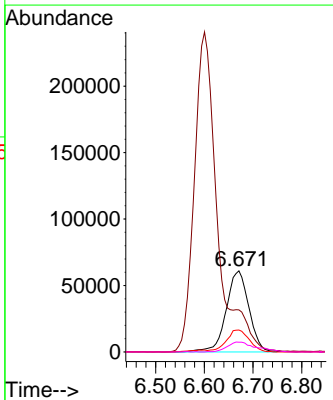
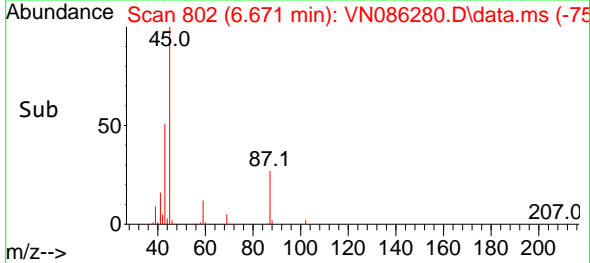
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

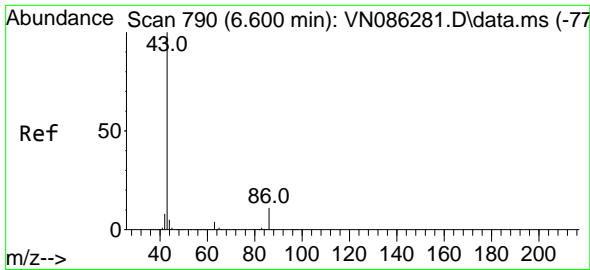


#22  
 Diisopropyl ether  
 Concen: 19.911 ug/l  
 RT: 6.671 min Scan# 802  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 45 Resp: 196831  
 Ion Ratio Lower Upper  
 45 100  
 43 50.1 41.8 62.8  
 87 27.1 21.6 32.4  
 59 12.0 9.0 13.4





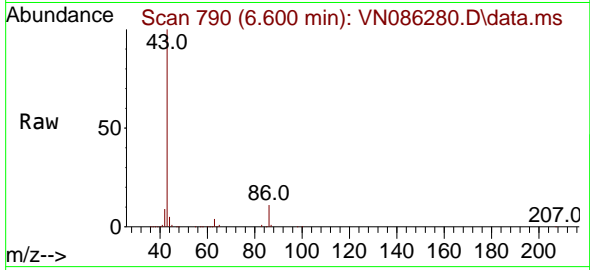
#23  
 Vinyl Acetate  
 Concen: 103.278 ug/l m  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



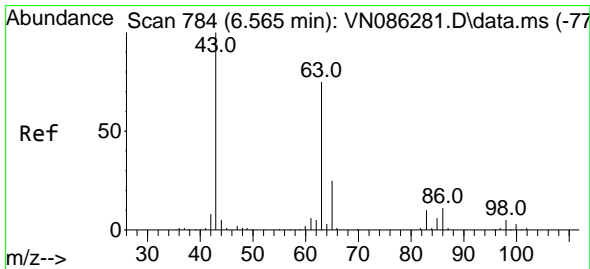
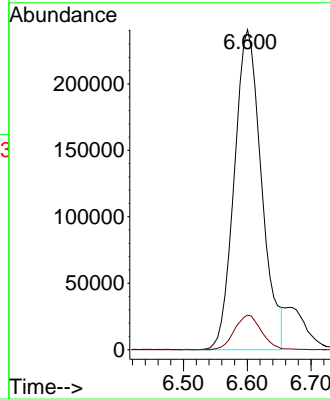
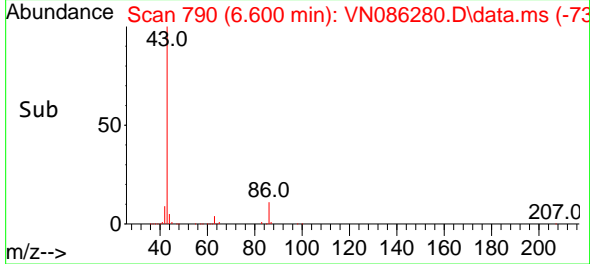
Tgt Ion: 43 Resp: 713534  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 8.6 13.0

Manual Integrations

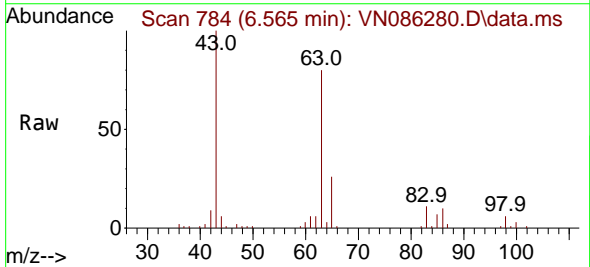
APPROVED

Reviewed By :John Carlone 04/16/2025

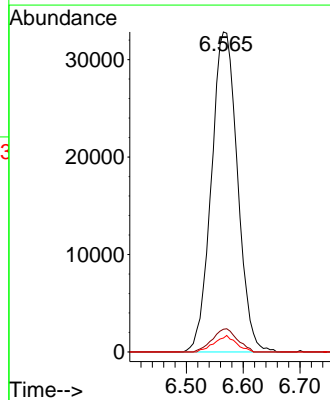
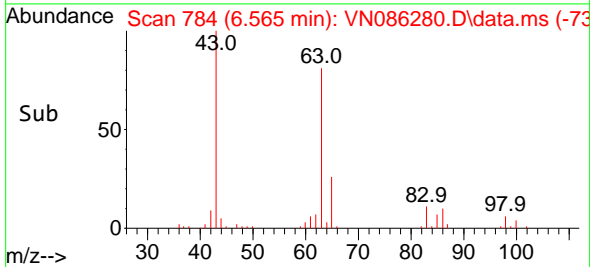
Supervised By :Semsettin Yesilyurt 04/16/2025



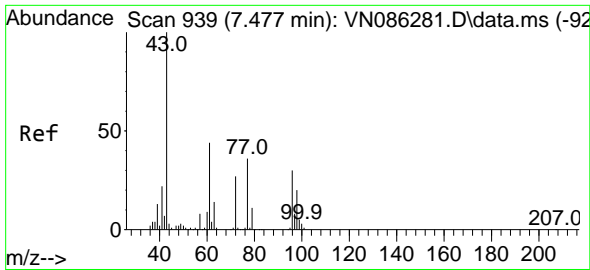
#24  
 1,1-Dichloroethane  
 Concen: 20.087 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 63 Resp: 104777  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.4 10.2  
 100 4.4 2.1 6.5







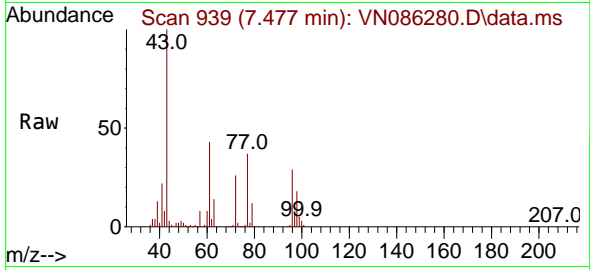
#25  
 2-Butanone  
 Concen: 103.191 ug/l  
 RT: 7.477 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



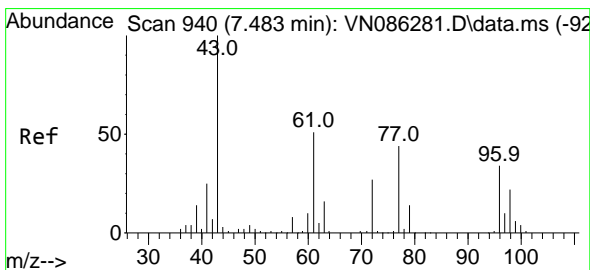
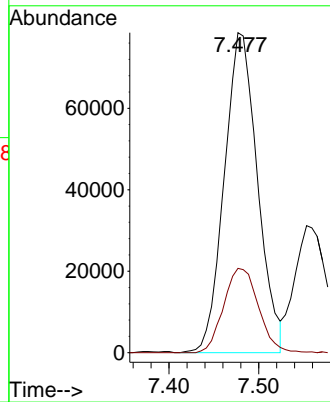
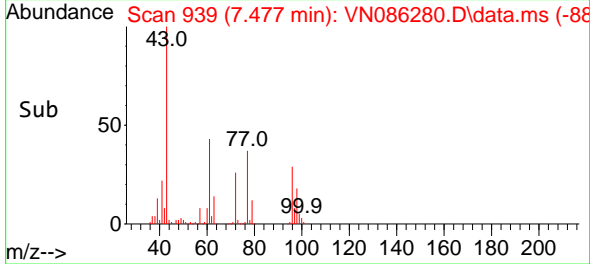
Tgt Ion: 43 Resp: 202298  
 Ion Ratio Lower Upper  
 43 100  
 72 26.4 21.7 32.5

Manual Integrations

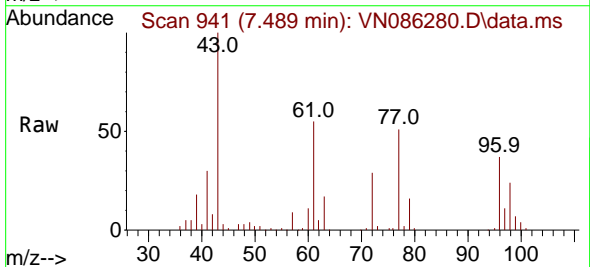
APPROVED

Reviewed By :John Carlone 04/16/2025

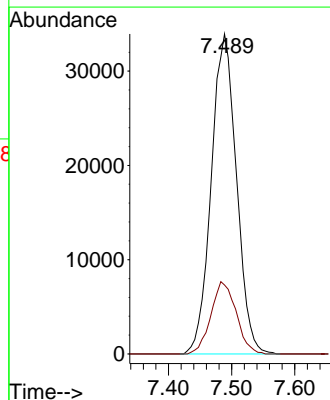
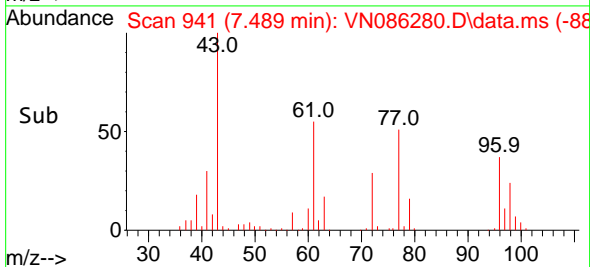
Supervised By :Semsettin Yesilyurt 04/16/2025

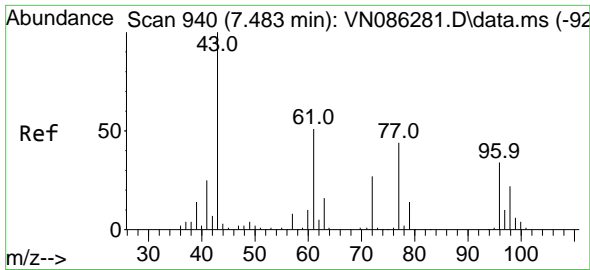


#26  
 2,2-Dichloropropane  
 Concen: 20.159 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



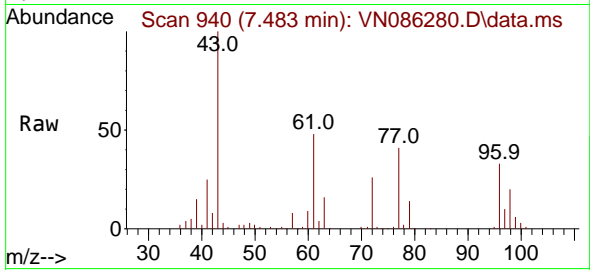
Tgt Ion: 77 Resp: 94147  
 Ion Ratio Lower Upper  
 77 100  
 97 22.6 11.2 33.5





#27  
 cis-1,2-Dichloroethene  
 Concen: 20.001 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

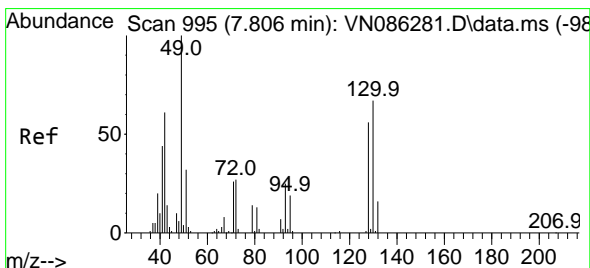
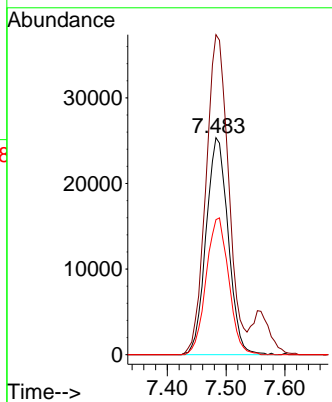
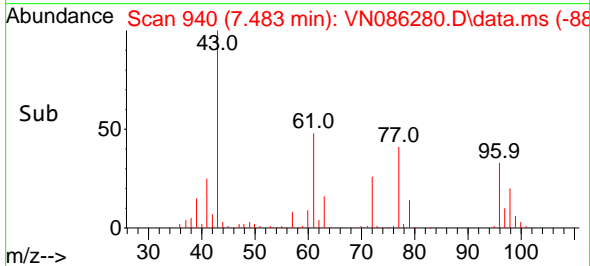
Instrument :  
 MSVOA\_N  
 Client Sample Id :  
 VSTDIC020



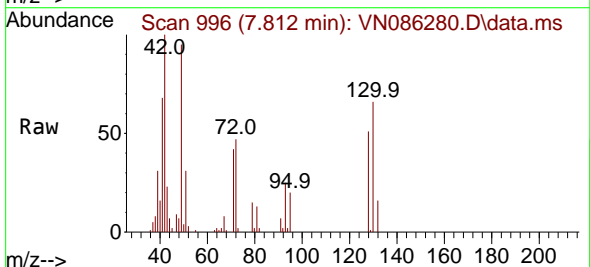
Tgt Ion: 96 Resp: 6634  
 Ion Ratio Lower Upper  
 96 100  
 61 150.6 0.0 299.0  
 98 64.3 0.0 129.6

Manual Integrations  
**APPROVED**

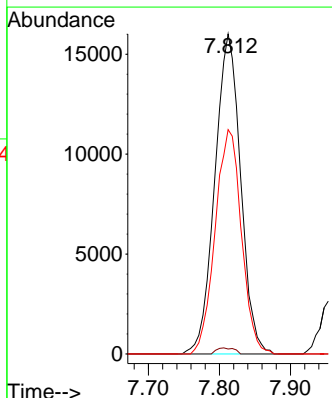
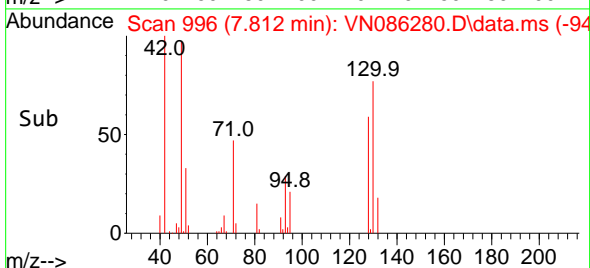
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

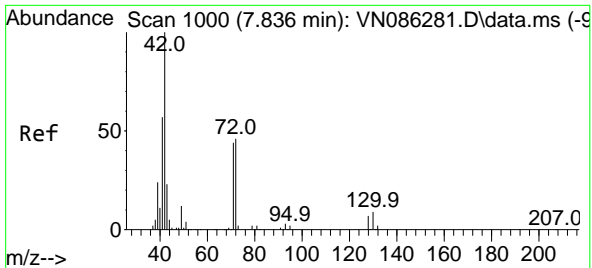


#28  
 Bromochloromethane  
 Concen: 18.263 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



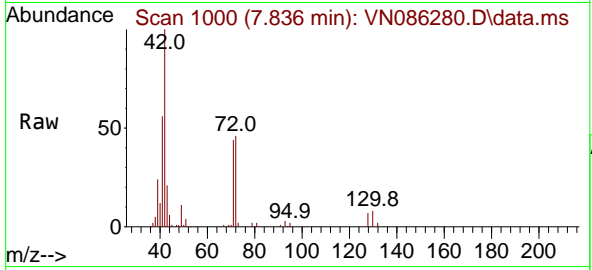
Tgt Ion: 49 Resp: 40391  
 Ion Ratio Lower Upper  
 49 100  
 129 1.3 0.0 3.4  
 130 71.2 57.1 85.7





#29  
 Tetrahydrofuran  
 Concen: 104.008 ug/l  
 RT: 7.836 min Scan# 1000  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

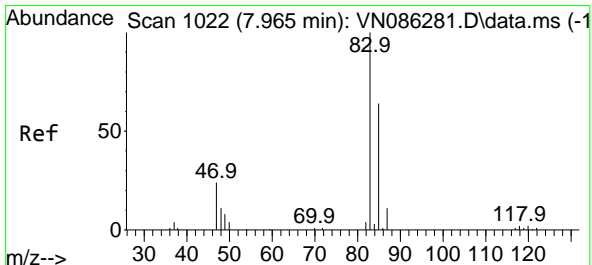
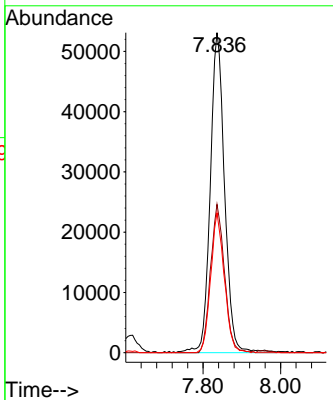
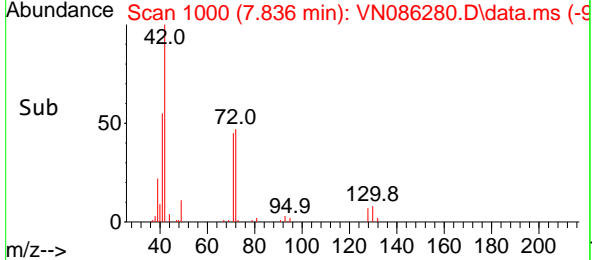
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



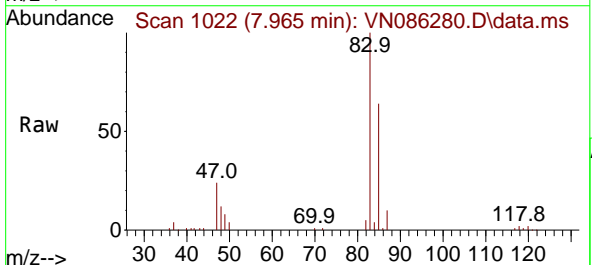
Tgt Ion: 42 Resp: 136348  
 Ion Ratio Lower Upper  
 42 100  
 72 45.1 36.2 54.4  
 71 41.3 34.0 51.0

Manual Integrations  
 APPROVED

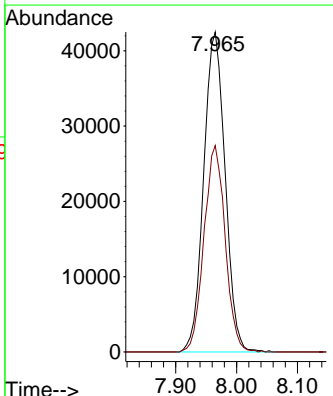
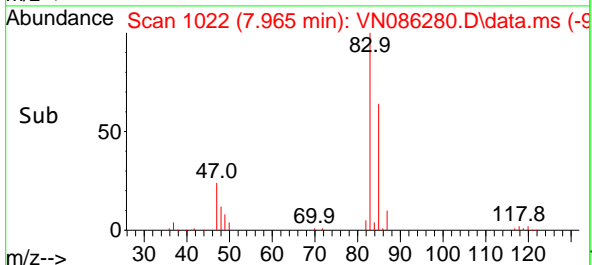
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

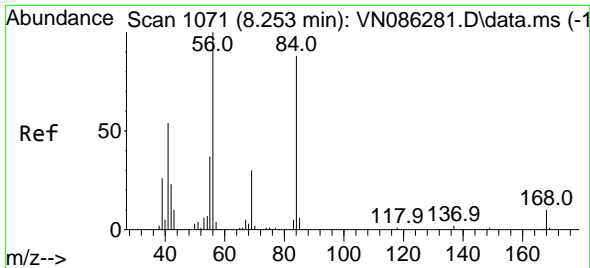


#30  
 Chloroform  
 Concen: 20.274 ug/l  
 RT: 7.965 min Scan# 1022  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 83 Resp: 103881  
 Ion Ratio Lower Upper  
 83 100  
 85 64.5 51.5 77.3





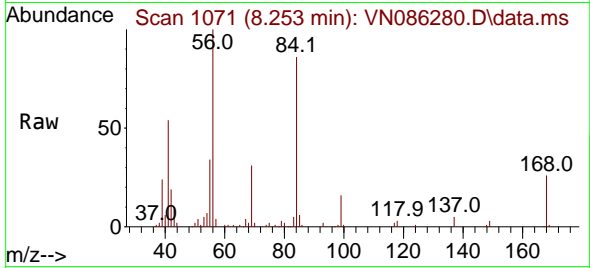
#31  
 Cyclohexane  
 Concen: 19.895 ug/l  
 RT: 8.253 min Scan# 1071  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020



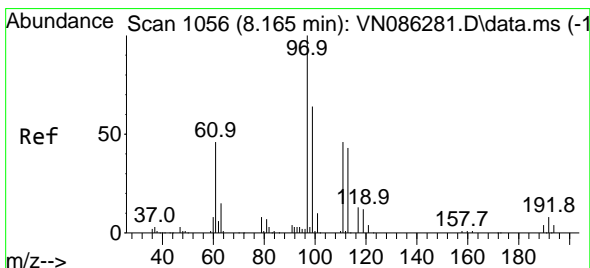
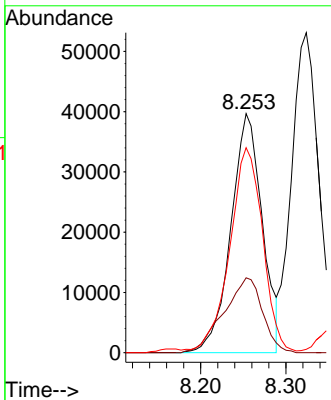
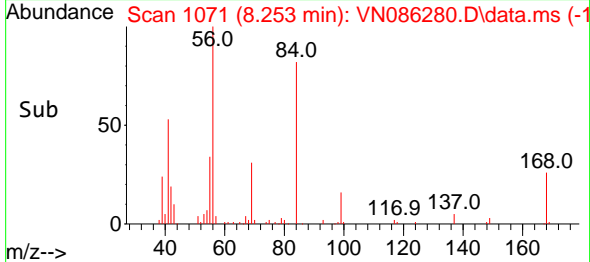
Tgt Ion: 56 Resp: 101540  
 Ion Ratio Lower Upper  
 56 100  
 69 31.3 24.2 36.2  
 84 84.2 70.3 105.5

Manual Integrations

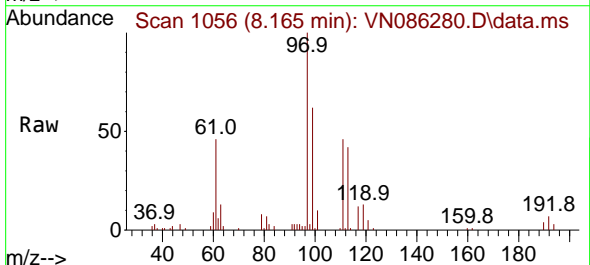
APPROVED

Reviewed By :John Carlone 04/16/2025

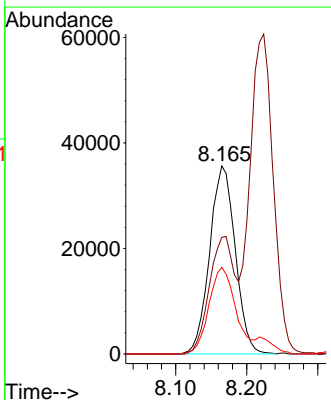
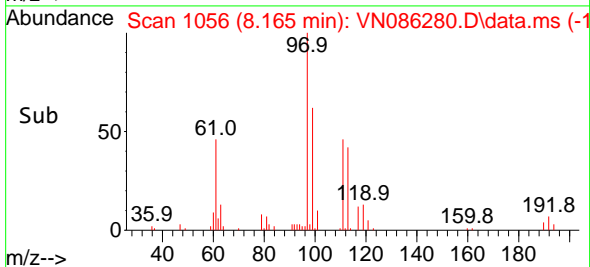
Supervised By :Semsettin Yesilyurt 04/16/2025

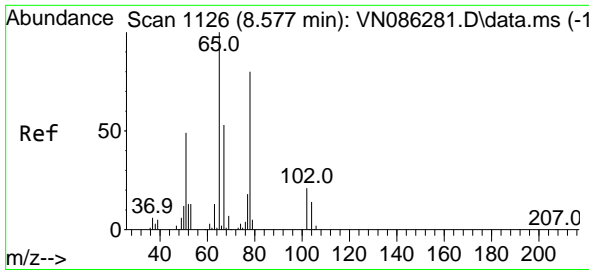


#32  
 1,1,1-Trichloroethane  
 Concen: 20.344 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



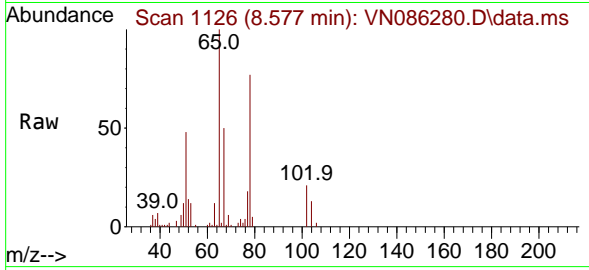
Tgt Ion: 97 Resp: 89173  
 Ion Ratio Lower Upper  
 97 100  
 99 62.7 52.7 79.1  
 61 48.7 39.5 59.3





#33  
 1,2-Dichloroethane-d4  
 Concen: 19.513 ug/l  
 RT: 8.577 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

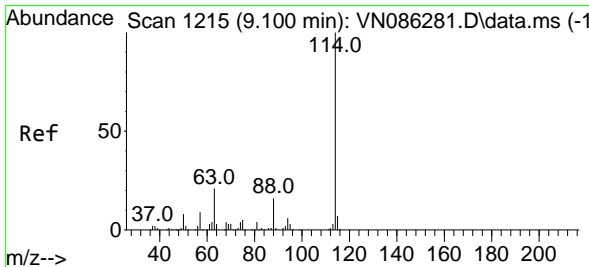
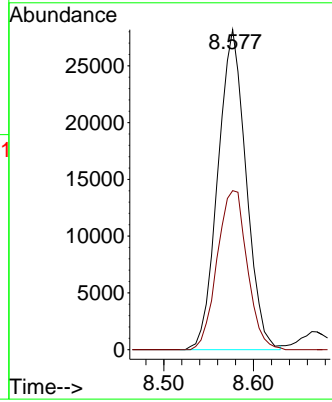
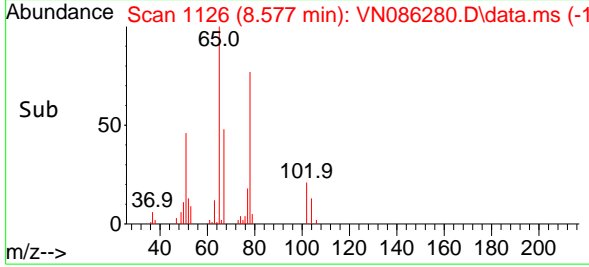
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



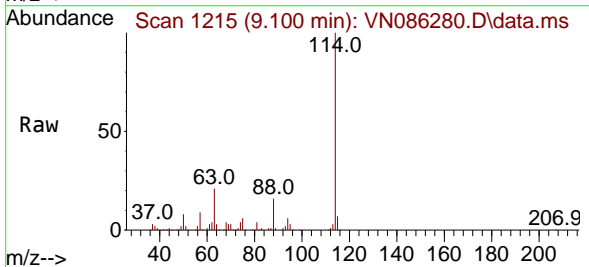
Tgt Ion: 65 Resp: 61458  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 106.0

Manual Integrations  
**APPROVED**

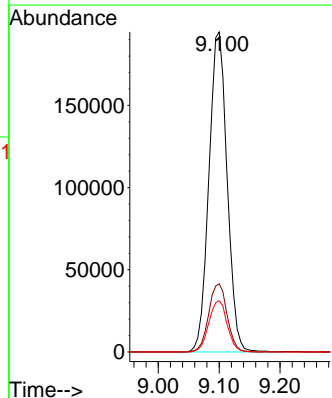
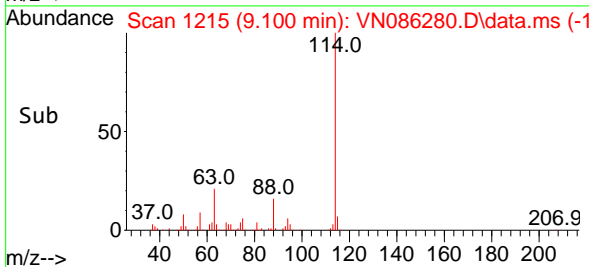
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

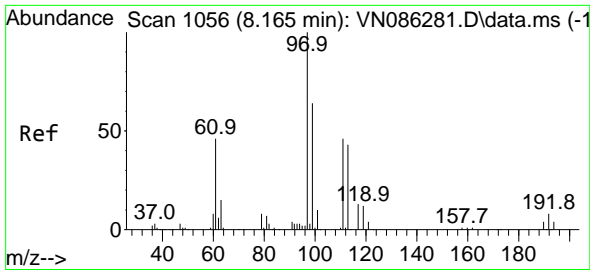


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



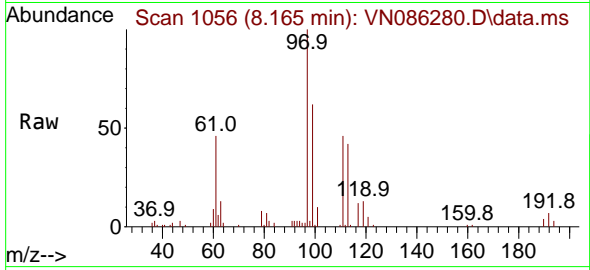
Tgt Ion:114 Resp: 404366  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 42.6  
 88 16.0 0.0 31.8





#35  
 Dibromofluoromethane  
 Concen: 19.819 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

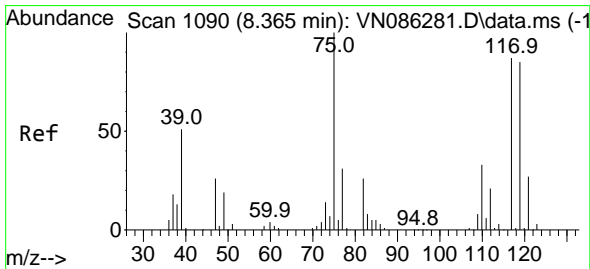
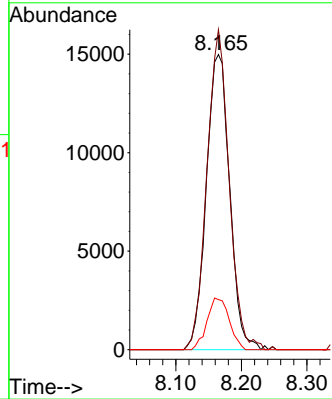
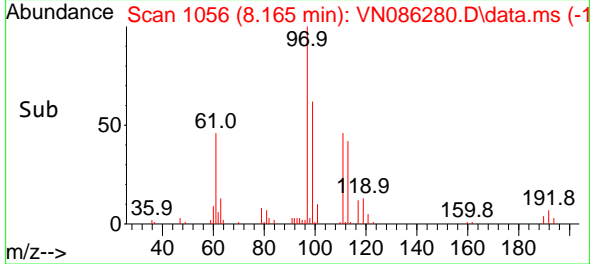
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



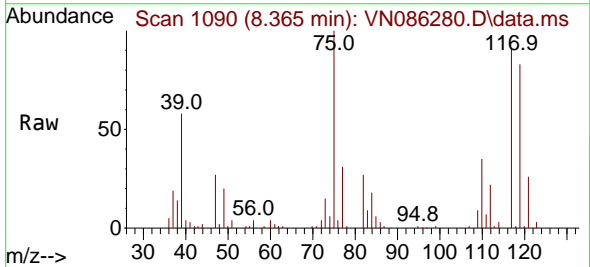
Tgt Ion: 113 Resp: 3719  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 83.4 125.0  
 192 16.5 13.7 20.5

Manual Integrations  
 APPROVED

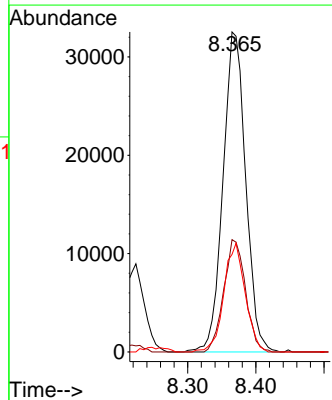
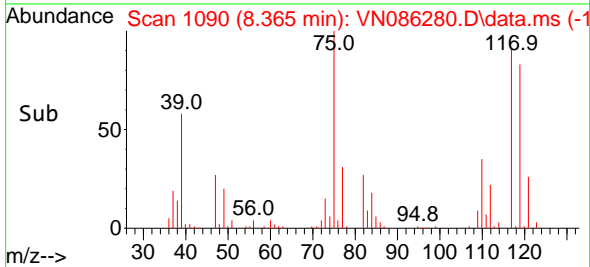
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

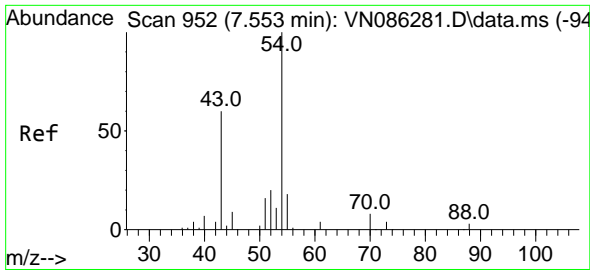


#36  
 1,1-Dichloropropene  
 Concen: 20.122 ug/l  
 RT: 8.365 min Scan# 1090  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



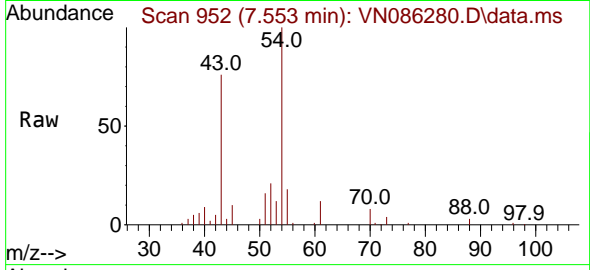
Tgt Ion: 75 Resp: 75426  
 Ion Ratio Lower Upper  
 75 100  
 110 33.6 16.8 50.4  
 77 32.0 24.9 37.3





#37  
 Ethyl Acetate  
 Concen: 20.115 ug/l  
 RT: 7.553 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

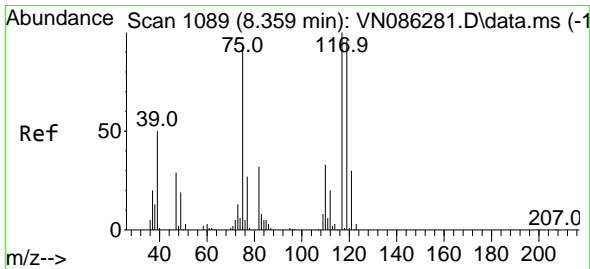
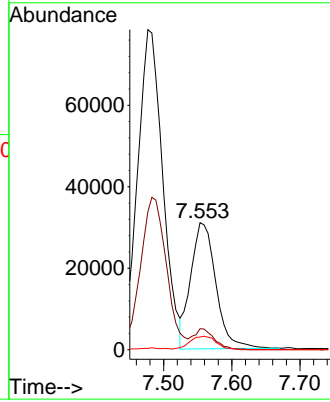
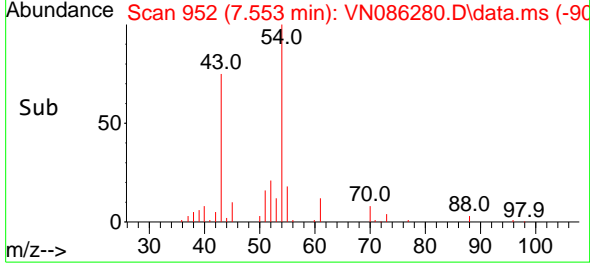
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDIC020



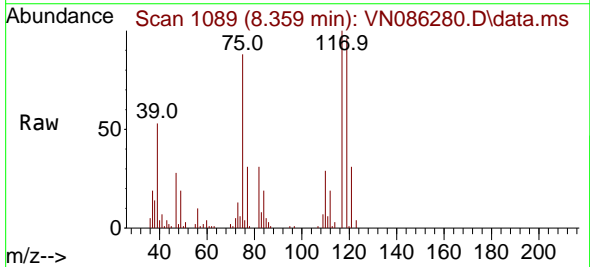
Tgt Ion: 43 Resp: 7938  
 Ion Ratio Lower Upper  
 43 100  
 61 13.7 11.1 16.7  
 70 11.2 9.2 13.8

Manual Integrations  
 APPROVED

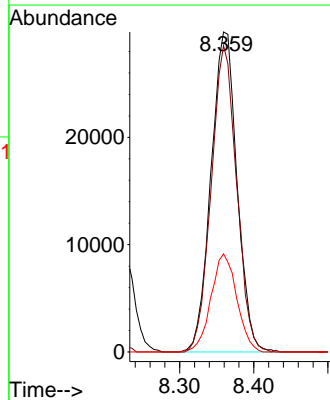
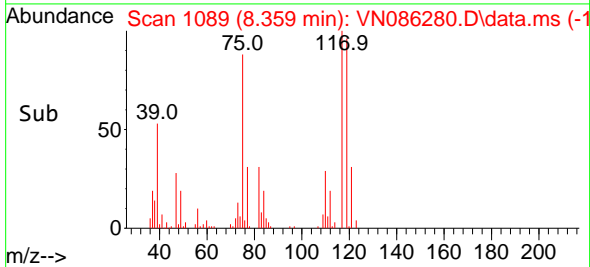
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

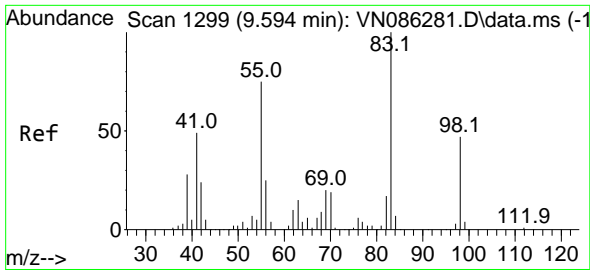


#38  
 Carbon Tetrachloride  
 Concen: 20.367 ug/l  
 RT: 8.359 min Scan# 1089  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



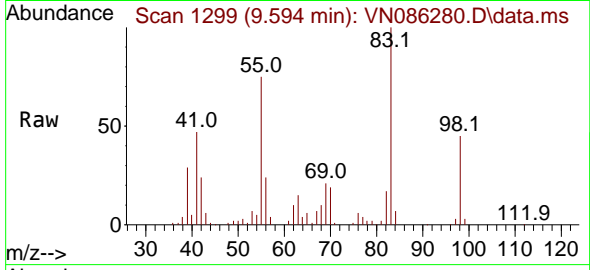
Tgt Ion:117 Resp: 72704  
 Ion Ratio Lower Upper  
 117 100  
 119 95.7 76.8 115.2  
 121 30.7 23.8 35.8





#39  
 Methylcyclohexane  
 Concen: 19.915 ug/l  
 RT: 9.594 min Scan# 1299  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

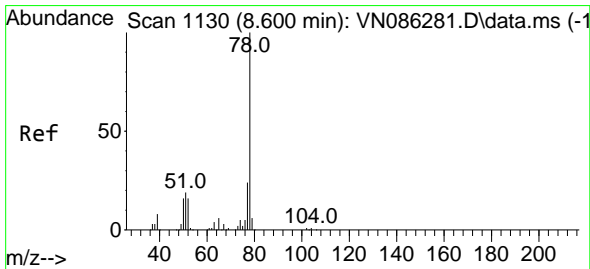
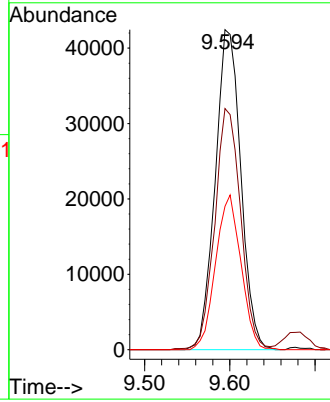
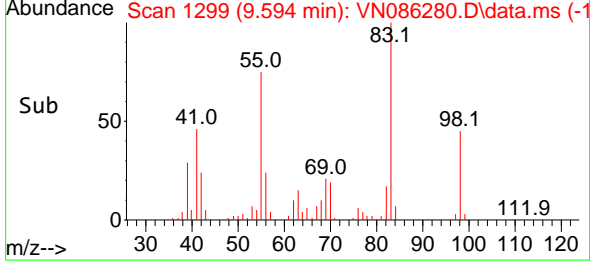
Instrument : MSVOA\_N  
 ClientSampleId : VSTDIC020



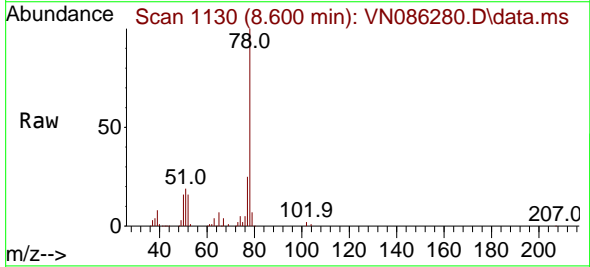
Tgt Ion: 83 Resp: 88728  
 Ion Ratio Lower Upper  
 83 100  
 55 75.0 59.8 89.8  
 98 44.8 37.9 56.9

Manual Integrations  
 APPROVED

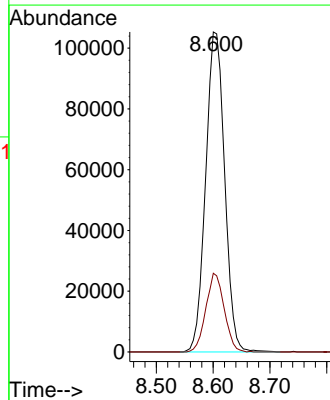
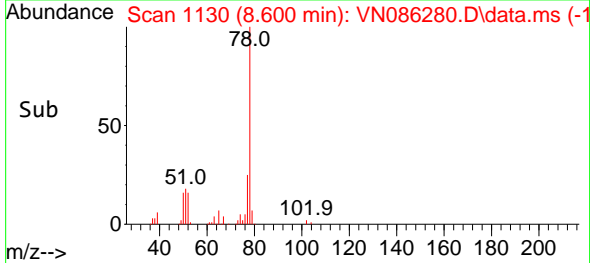
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025



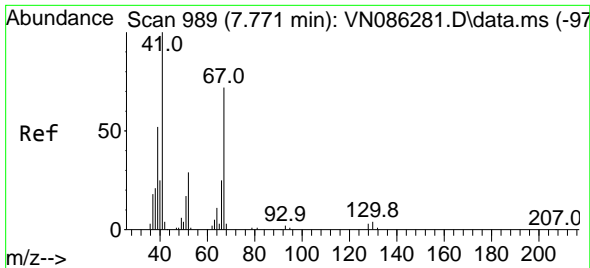
#40  
 Benzene  
 Concen: 20.310 ug/l  
 RT: 8.600 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 78 Resp: 243918  
 Ion Ratio Lower Upper  
 78 100  
 77 24.6 19.4 29.2

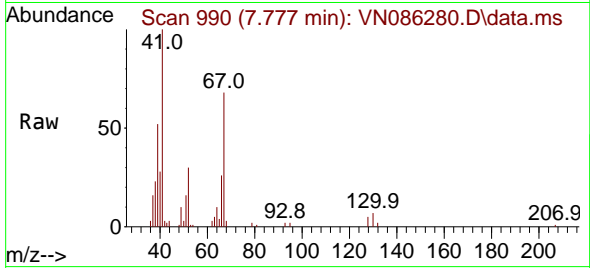






#41  
 Methacrylonitrile  
 Concen: 20.007 ug/l  
 RT: 7.777 min Scan# 989  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

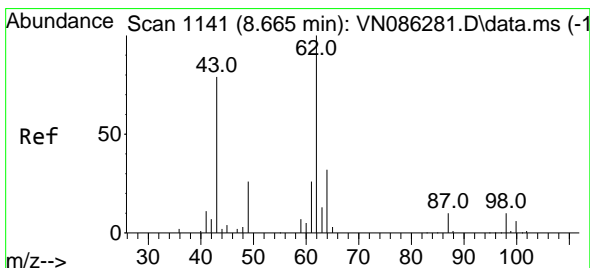
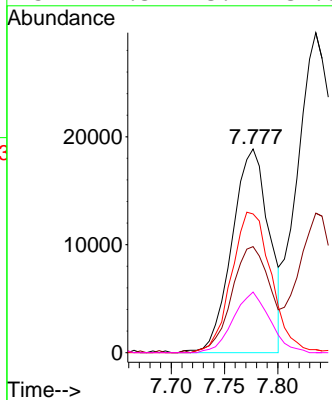
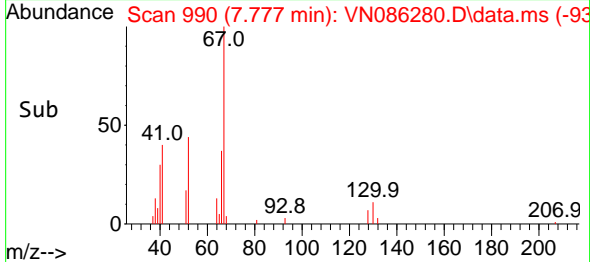


Tgt Ion: 41 Resp: 45760

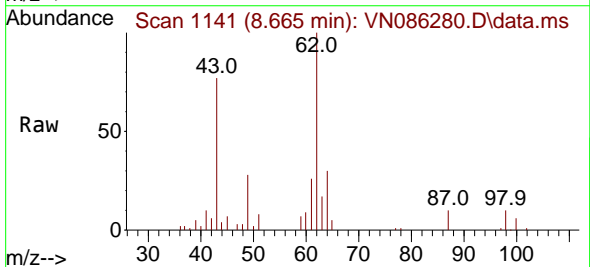
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.0	64.4
67	74.0	58.8	88.2
52	29.3	23.2	34.8

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

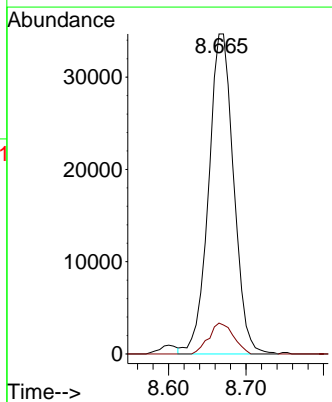
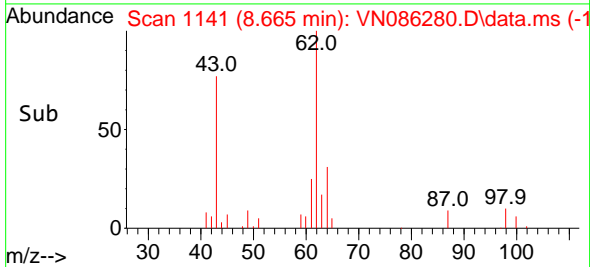


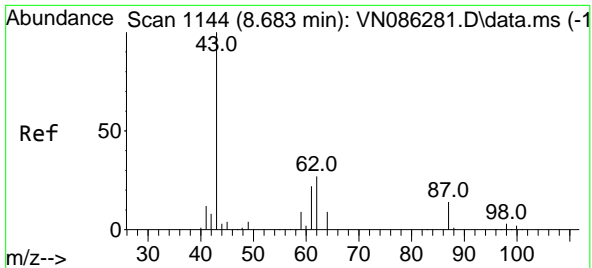
#42  
 1,2-Dichloroethane  
 Concen: 20.348 ug/l  
 RT: 8.665 min Scan# 1141  
 Delta R.T. -0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 62 Resp: 77932

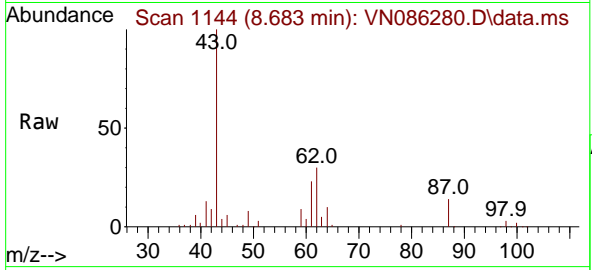
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.2





#43  
 Isopropyl Acetate  
 Concen: 20.921 ug/l  
 RT: 8.683 min Scan# 1144  
 Delta R.T. -0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

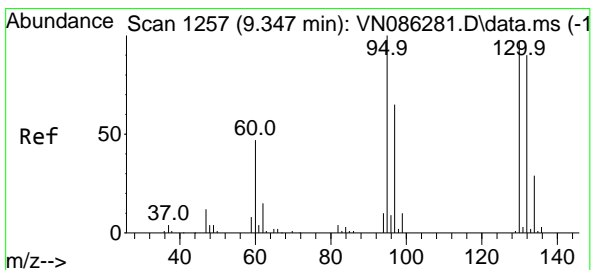
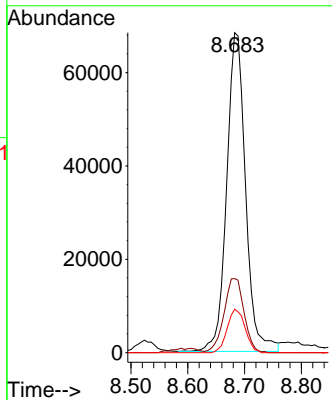
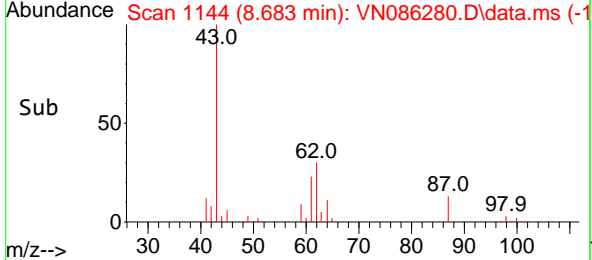
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



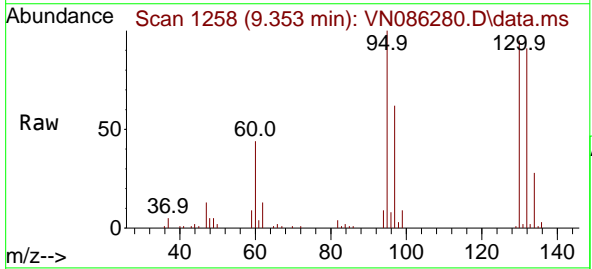
Tgt Ion: 43 Resp: 15775  
 Ion Ratio Lower Upper  
 43 100  
 61 24.6 20.5 30.7  
 87 12.9 10.5 15.7

Manual Integrations  
 APPROVED

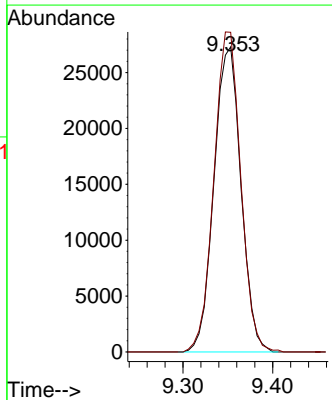
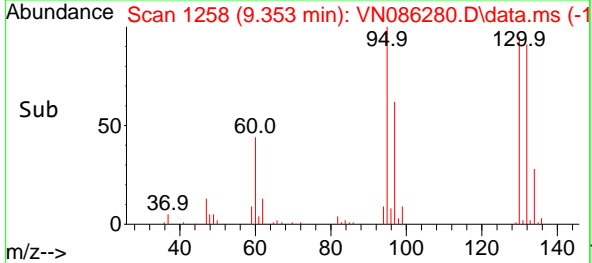
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

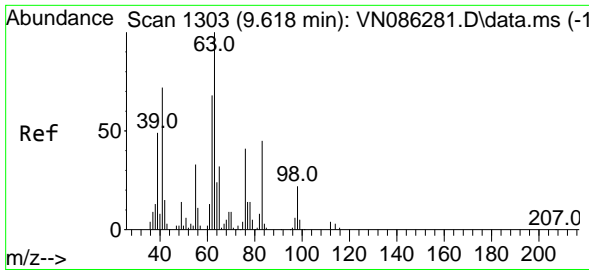


#44  
 Trichloroethene  
 Concen: 19.998 ug/l  
 RT: 9.353 min Scan# 1258  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:130 Resp: 56926  
 Ion Ratio Lower Upper  
 130 100  
 95 104.8 0.0 207.2





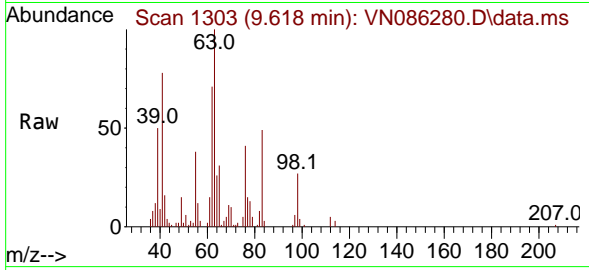
#45  
 1,2-Dichloropropane  
 Concen: 20.273 ug/l  
 RT: 9.618 min Scan# 1303  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020



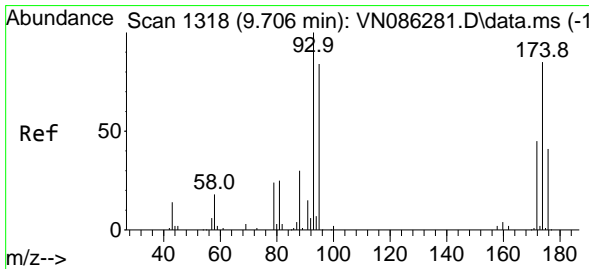
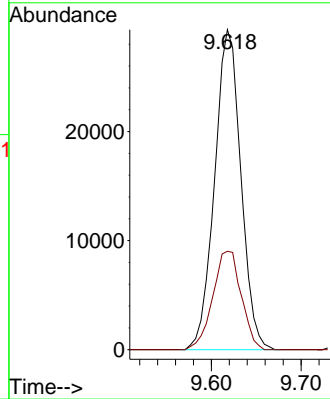
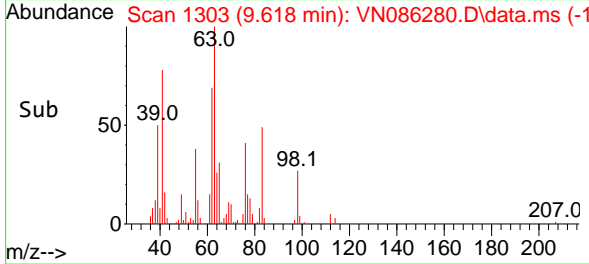
Tgt Ion: 63 Resp: 5959  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 25.4 38.2

Manual Integrations

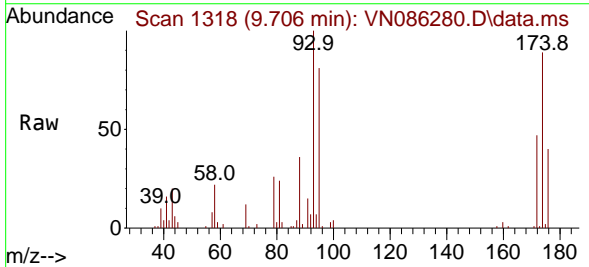
APPROVED

Reviewed By :John Carlone 04/16/2025

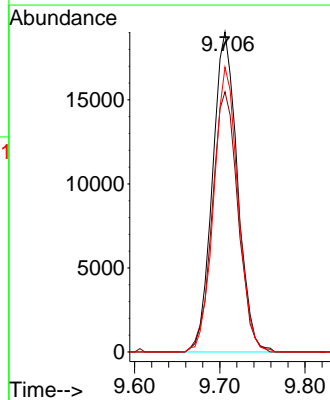
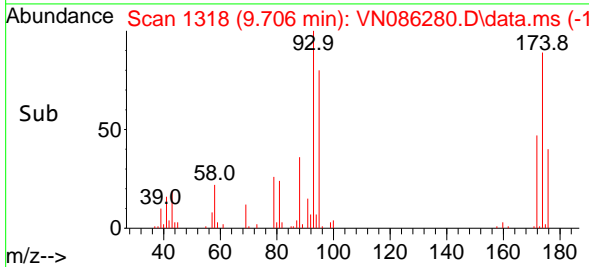
Supervised By :Semsettin Yesilyurt 04/16/2025

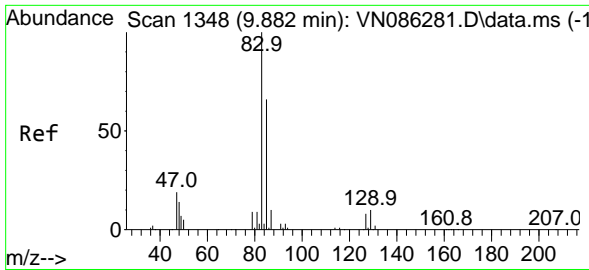


#46  
 Dibromomethane  
 Concen: 20.608 ug/l  
 RT: 9.706 min Scan# 1318  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



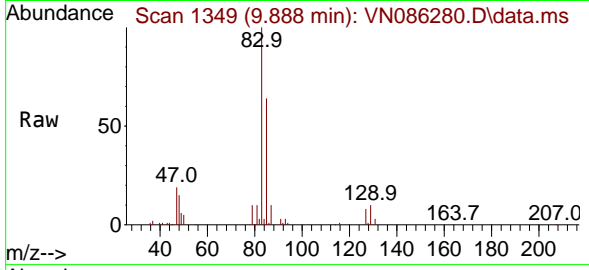
Tgt Ion: 93 Resp: 38601  
 Ion Ratio Lower Upper  
 93 100  
 95 84.0 66.2 99.4  
 174 86.8 67.8 101.6





#47  
 Bromodichloromethane  
 Concen: 20.397 ug/l  
 RT: 9.888 min Scan# 1349  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

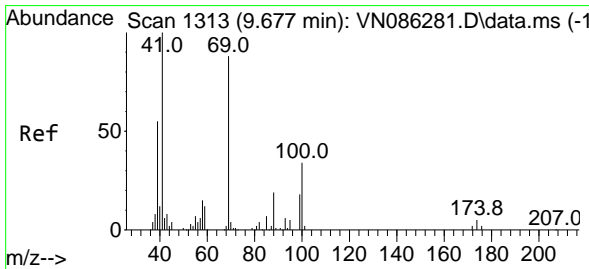
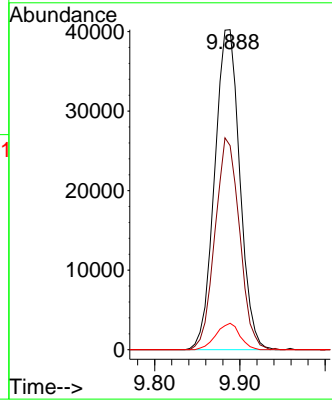
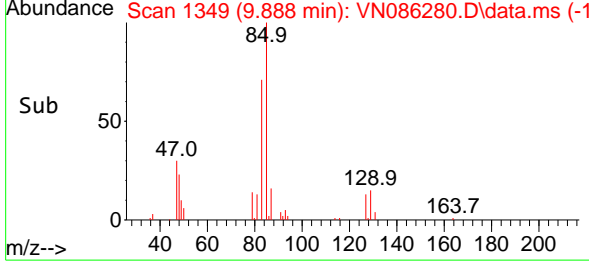
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



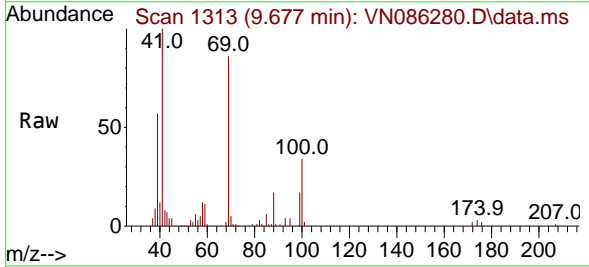
Tgt Ion: 83 Resp: 8251  
 Ion Ratio Lower Upper  
 83 100  
 85 63.7 52.6 78.8  
 127 8.2 6.1 9.1

Manual Integrations  
 APPROVED

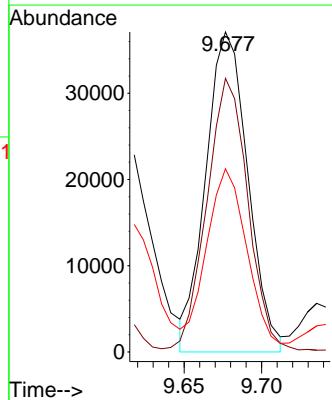
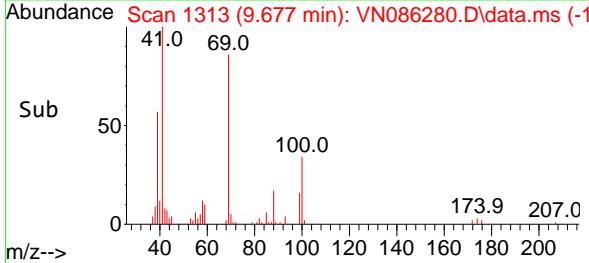
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

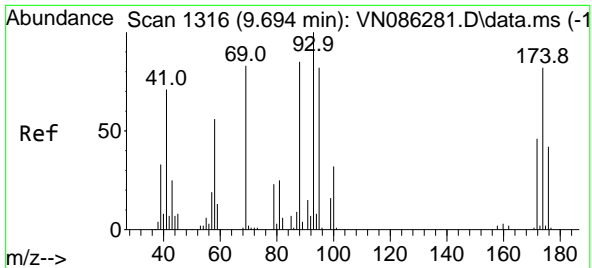


#48  
 Methyl methacrylate  
 Concen: 20.195 ug/l  
 RT: 9.677 min Scan# 1313  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



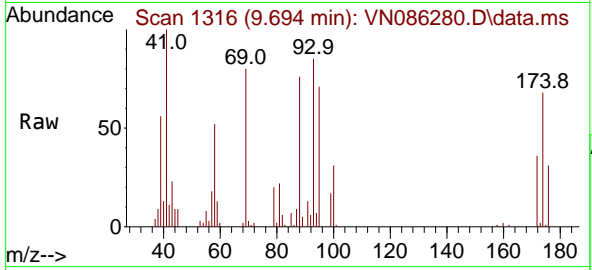
Tgt Ion: 41 Resp: 69986  
 Ion Ratio Lower Upper  
 41 100  
 69 84.6 68.2 102.2  
 39 56.1 45.2 67.8





#49  
 1,4-Dioxane  
 Concen: 413.277 ug/l  
 RT: 9.694 min Scan# 1316  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

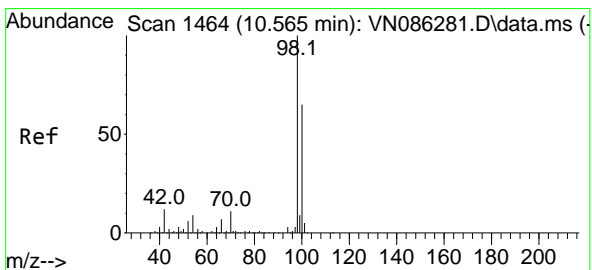
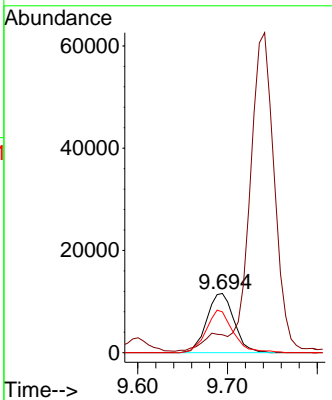
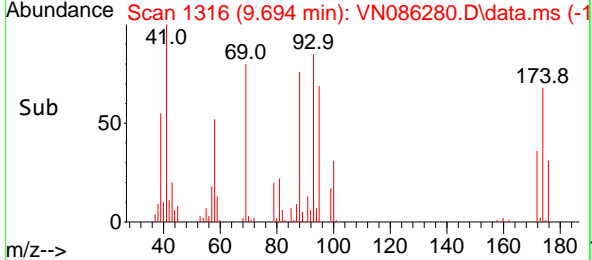
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



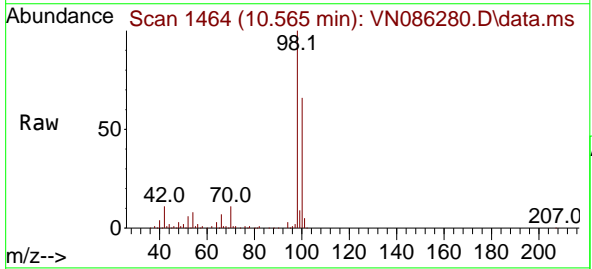
Tgt Ion: 88 Resp: 2436  
 Ion Ratio Lower Upper  
 88 100  
 43 27.3 23.8 35.8  
 58 71.1 57.4 86.2

Manual Integrations  
**APPROVED**

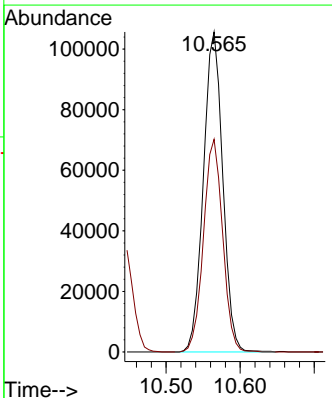
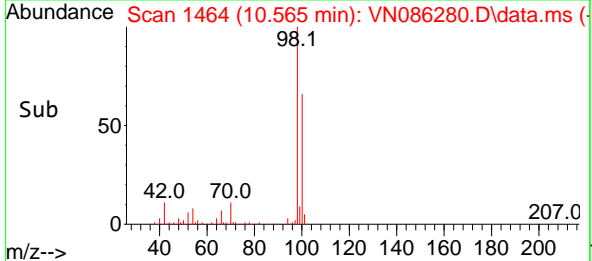
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

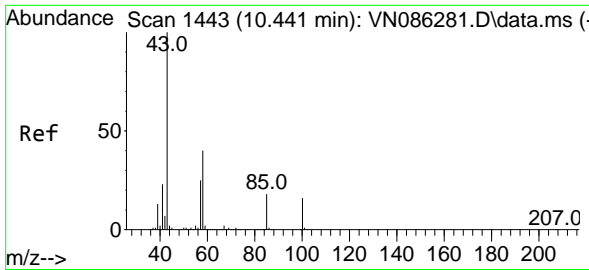


#50  
 Toluene-d8  
 Concen: 19.112 ug/l  
 RT: 10.565 min Scan# 1464  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 98 Resp: 191691  
 Ion Ratio Lower Upper  
 98 100  
 100 65.7 52.5 78.7





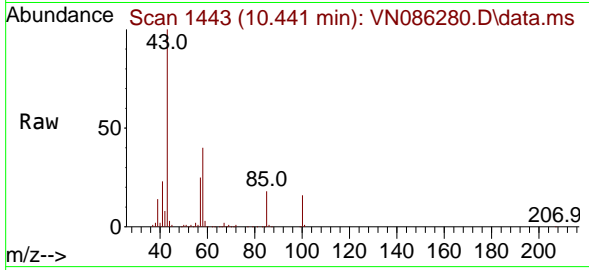
#51  
 4-Methyl-2-Pentanone  
 Concen: 104.297 ug/l  
 RT: 10.441 min Scan# 1443  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



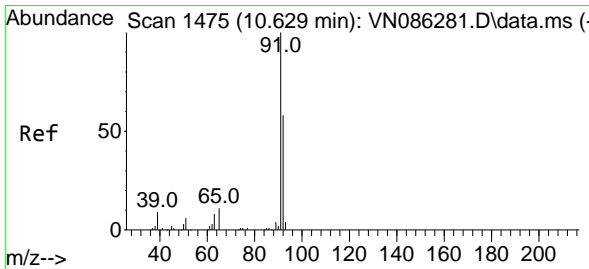
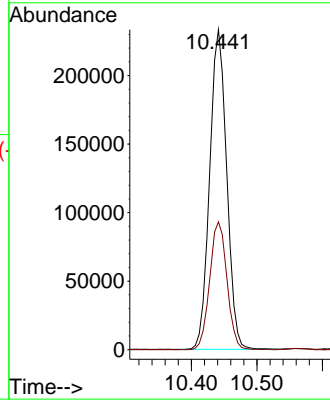
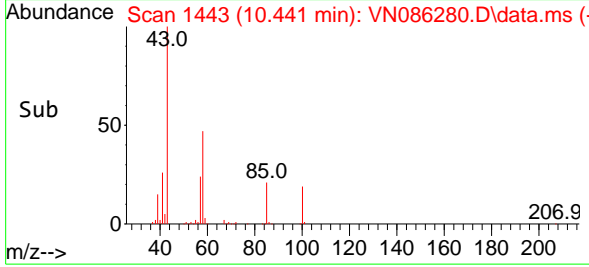
Tgt Ion: 43 Resp: 42147  
 Ion Ratio Lower Upper  
 43 100  
 58 40.5 32.2 48.4

Manual Integrations

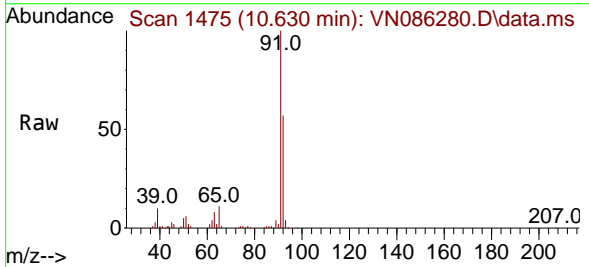
APPROVED

Reviewed By :John Carlone 04/16/2025

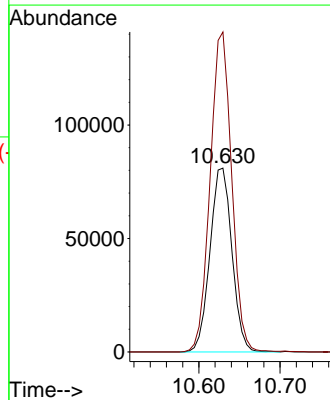
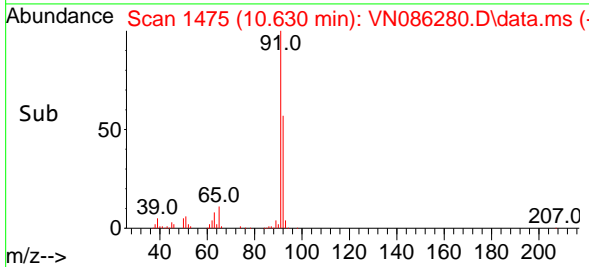
Supervised By :Semsettin Yesilyurt 04/16/2025

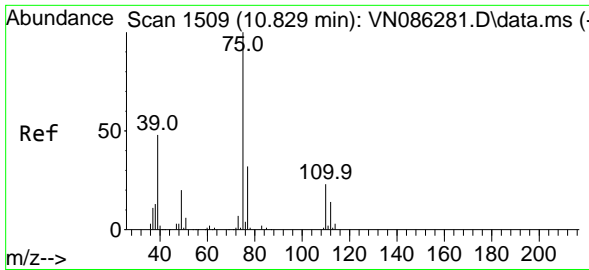


#52  
 Toluene  
 Concen: 20.317 ug/l  
 RT: 10.630 min Scan# 1475  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 92 Resp: 152248  
 Ion Ratio Lower Upper  
 92 100  
 91 170.4 137.3 205.9





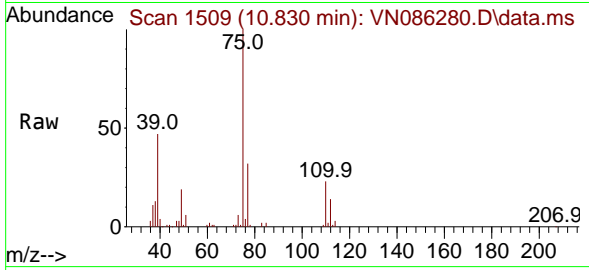
#53  
 t-1,3-Dichloropropene  
 Concen: 20.470 ug/l  
 RT: 10.830 min Scan# 1509  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020



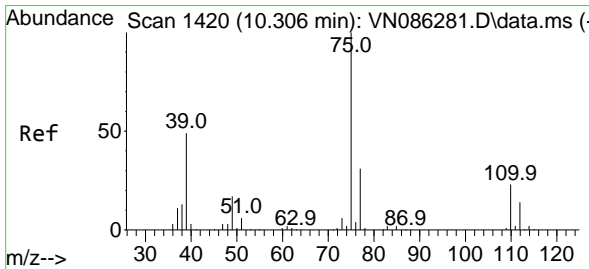
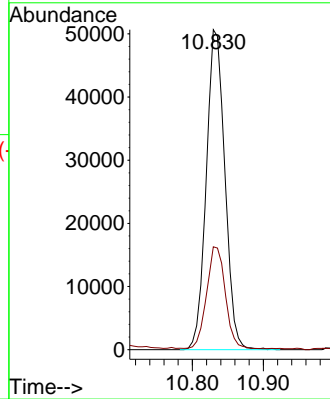
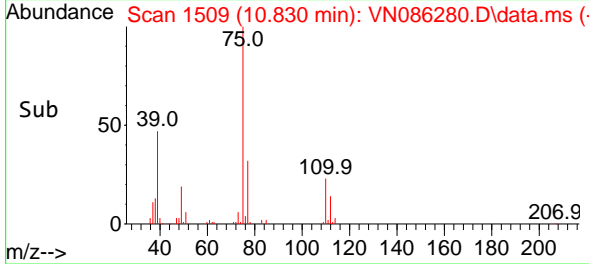
Tgt Ion: 75 Resp: 9244  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.4 38.0

Manual Integrations

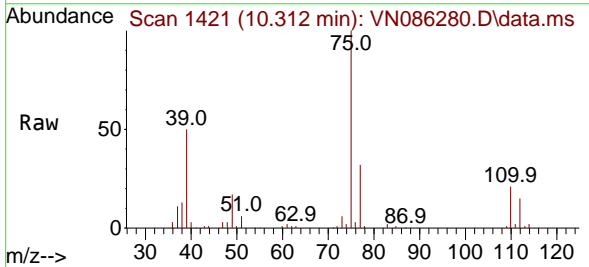
APPROVED

Reviewed By :John Carlone 04/16/2025

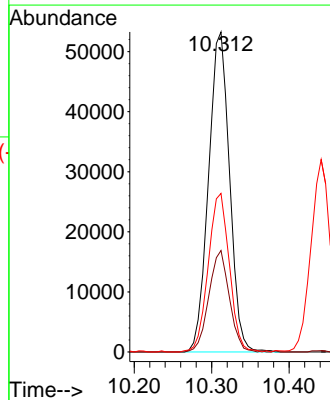
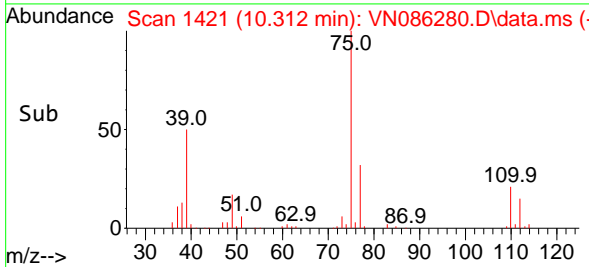
Supervised By :Semsettin Yesilyurt 04/16/2025

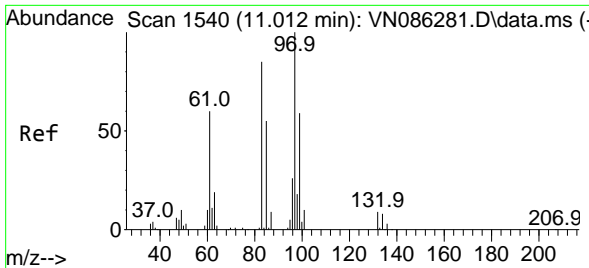


#54  
 cis-1,3-Dichloropropene  
 Concen: 20.245 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



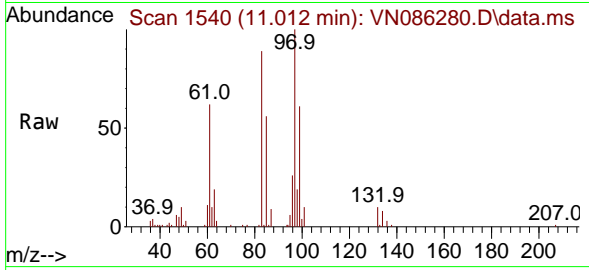
Tgt Ion: 75 Resp: 100415  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.2 37.8  
 39 49.5 39.3 58.9





#55  
 1,1,2-Trichloroethane  
 Concen: 19.891 ug/l  
 RT: 11.012 min Scan# 1540  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

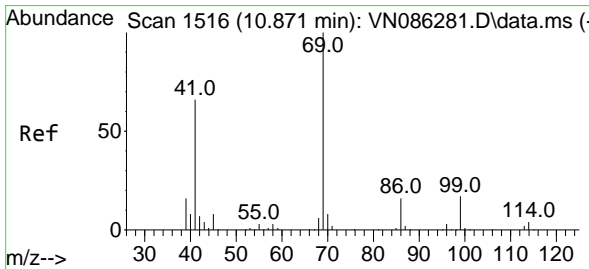
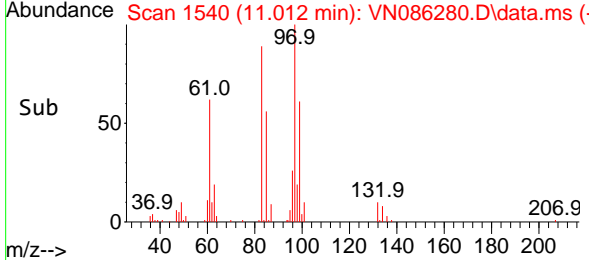
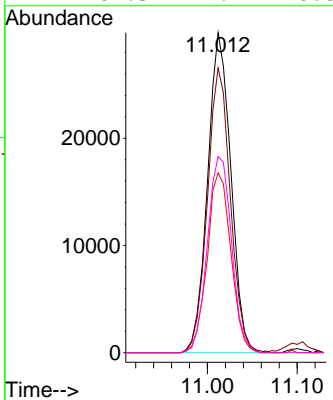
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDIC020



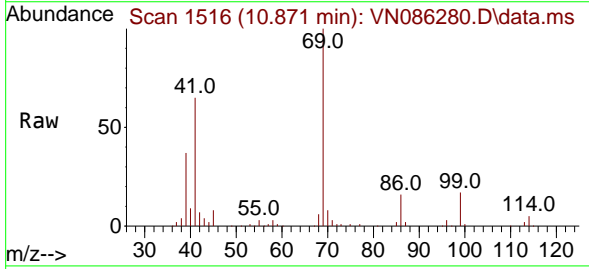
Tgt Ion: 97 Resp: 53630

Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.4	102.6
85	56.2	43.9	65.9
99	61.3	47.2	70.8

**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

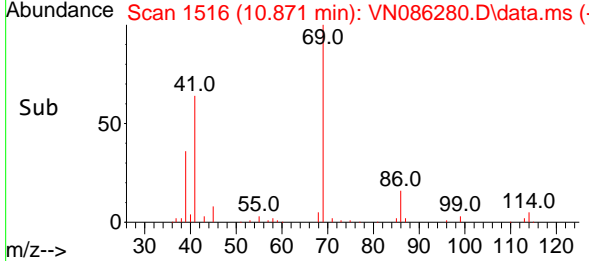
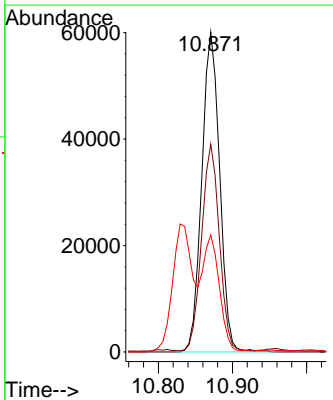


#56  
 Ethyl methacrylate  
 Concen: 20.321 ug/l  
 RT: 10.871 min Scan# 1516  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

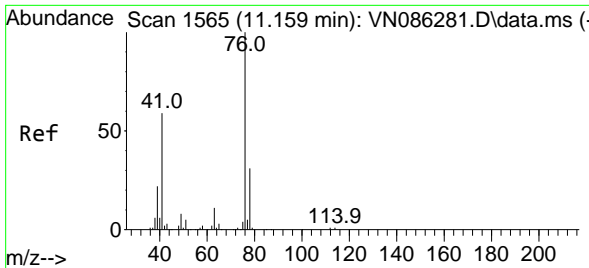


Tgt Ion: 69 Resp: 100712

Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.7	77.5
39	33.6	26.3	39.5

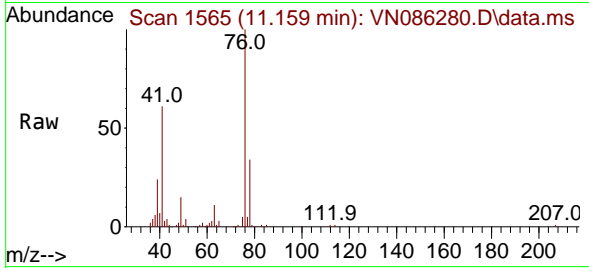






#57  
 1,3-Dichloropropane  
 Concen: 20.353 ug/l  
 RT: 11.159 min Scan# 1565  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

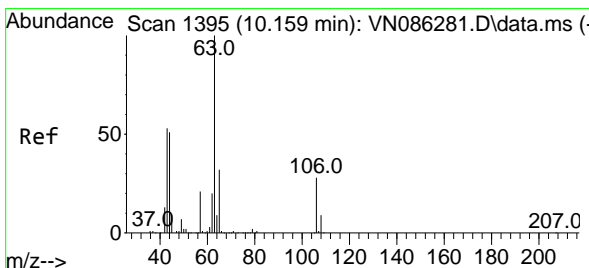
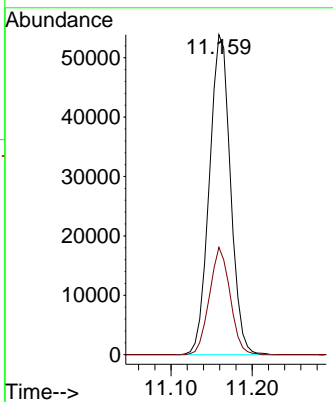
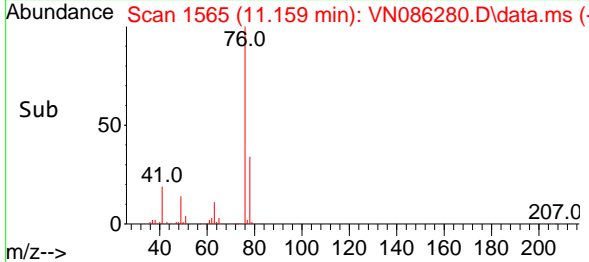
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



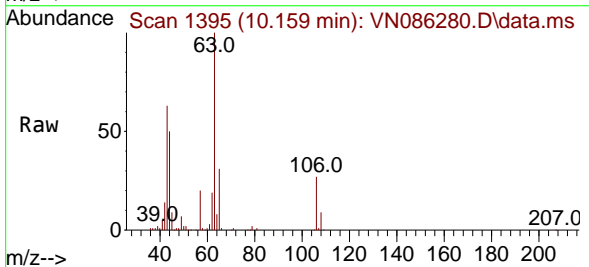
Tgt Ion: 76 Resp: 9736  
 Ion Ratio Lower Upper  
 76 100  
 78 32.8 25.6 38.4

Manual Integrations  
**APPROVED**

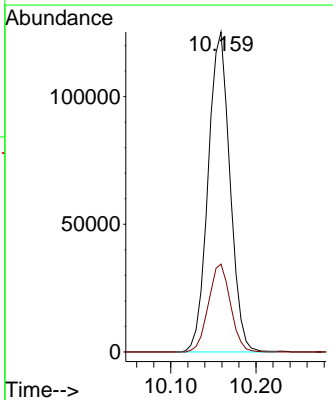
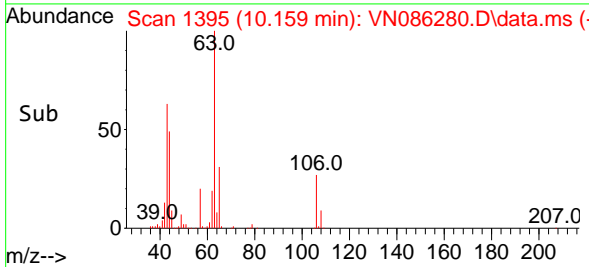
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

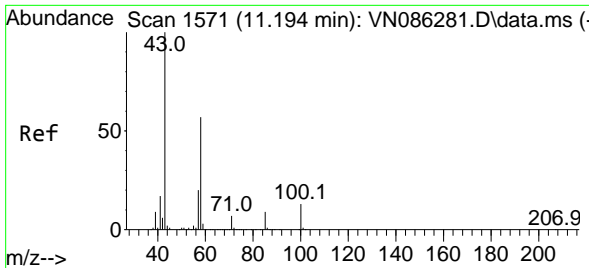


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 94.702 ug/l  
 RT: 10.159 min Scan# 1395  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



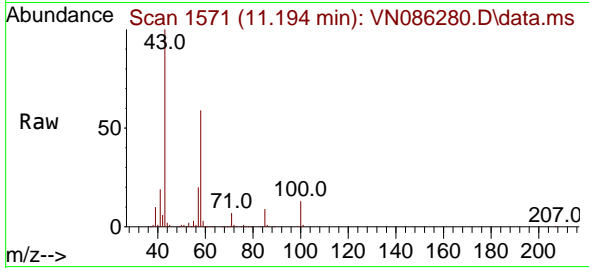
Tgt Ion: 63 Resp: 222766  
 Ion Ratio Lower Upper  
 63 100  
 106 27.6 22.2 33.2





#59  
 2-Hexanone  
 Concen: 103.408 ug/l  
 RT: 11.194 min Scan# 1571  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

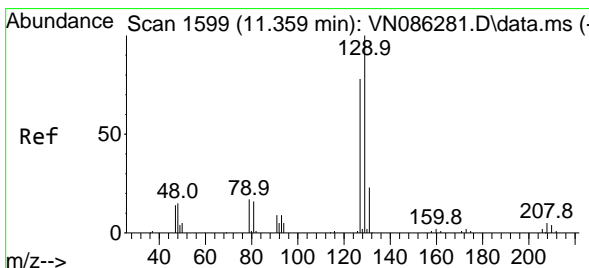
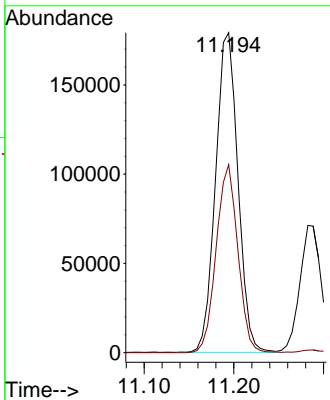
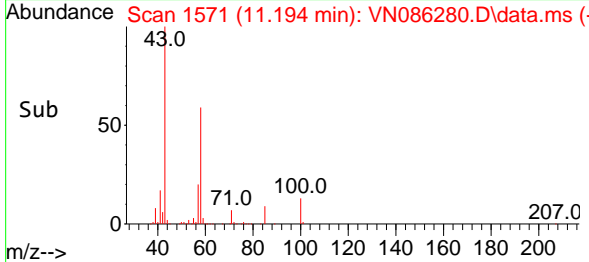
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDIC020



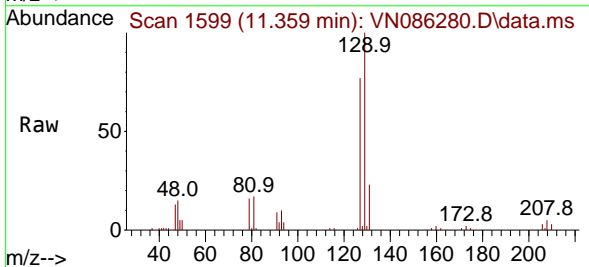
Tgt Ion: 43 Resp: 309954  
 Ion Ratio Lower Upper  
 43 100  
 58 56.9 28.3 85.0

**Manual Integrations**  
**APPROVED**

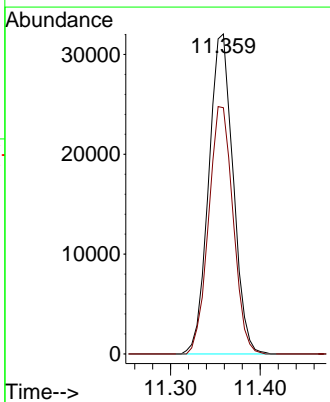
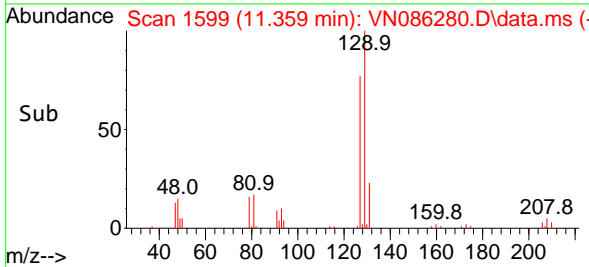
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

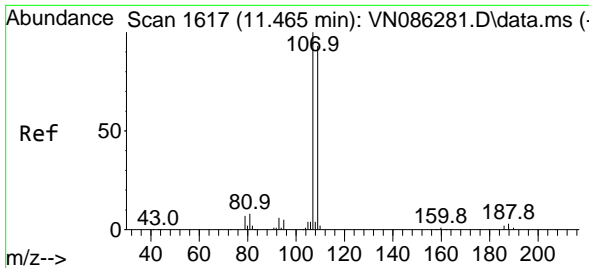


#60  
 Dibromochloromethane  
 Concen: 20.467 ug/l  
 RT: 11.359 min Scan# 1599  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:129 Resp: 60596  
 Ion Ratio Lower Upper  
 129 100  
 127 77.3 38.7 116.1





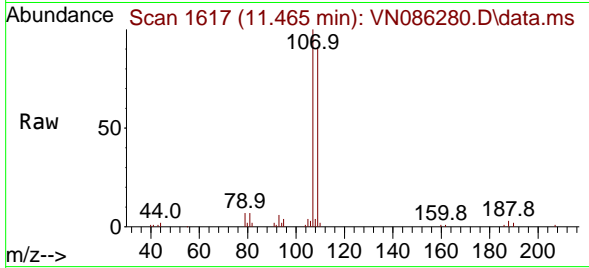
#61  
 1,2-Dibromoethane  
 Concen: 20.834 ug/l  
 RT: 11.465 min Scan# 1617  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



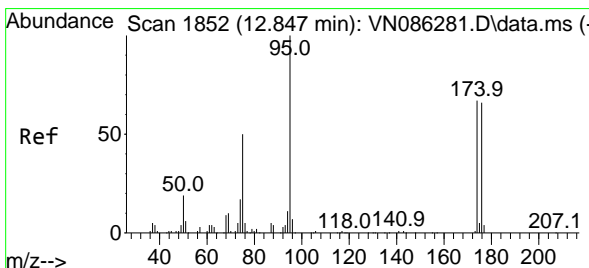
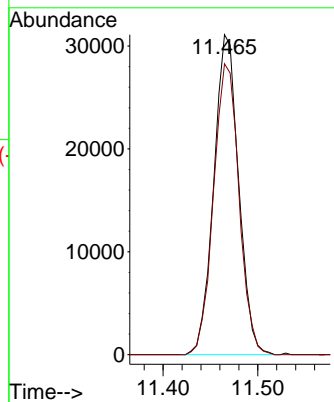
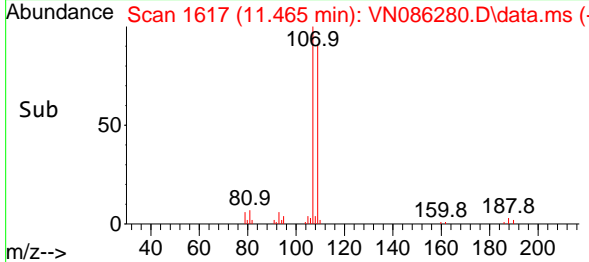
Tgt Ion: 107 Resp: 56679  
 Ion Ratio Lower Upper  
 107 100  
 109 93.2 75.4 113.0

Manual Integrations

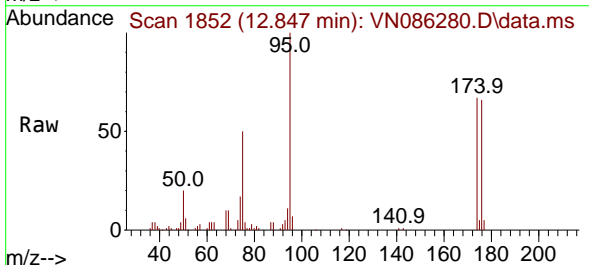
APPROVED

Reviewed By : John Carlone 04/16/2025

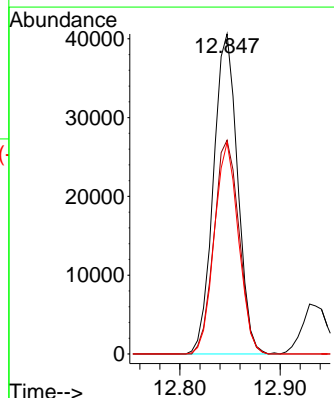
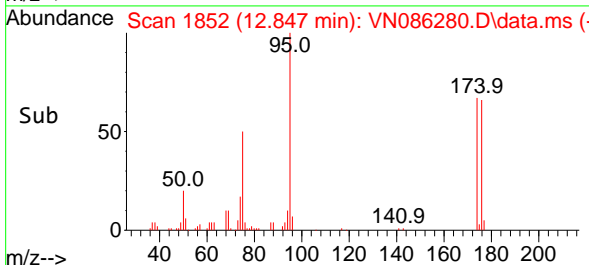
Supervised By : Semsettin Yesilyurt 04/16/2025

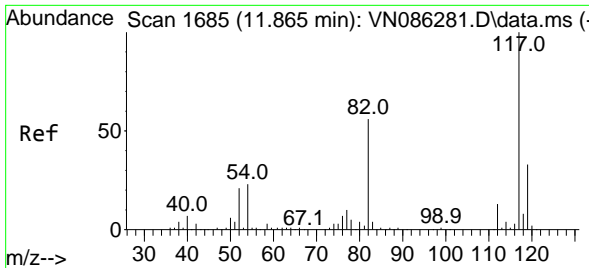


#62  
 4-Bromofluorobenzene  
 Concen: 18.596 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



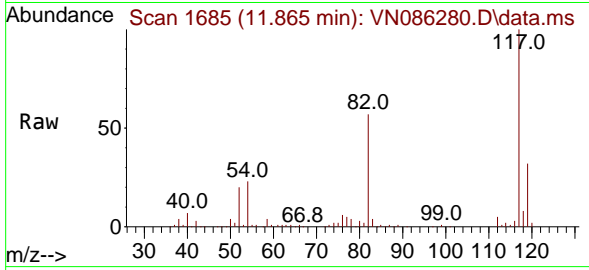
Tgt Ion: 95 Resp: 68030  
 Ion Ratio Lower Upper  
 95 100  
 174 69.5 0.0 133.4  
 176 66.0 0.0 129.2





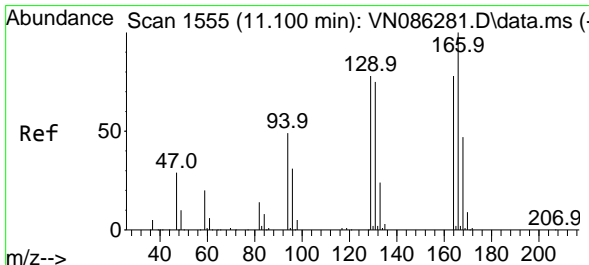
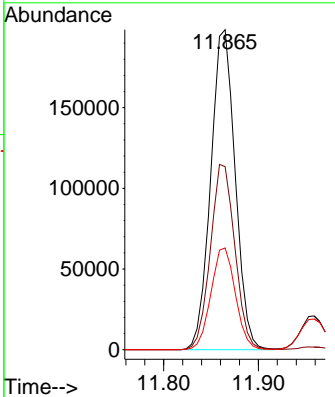
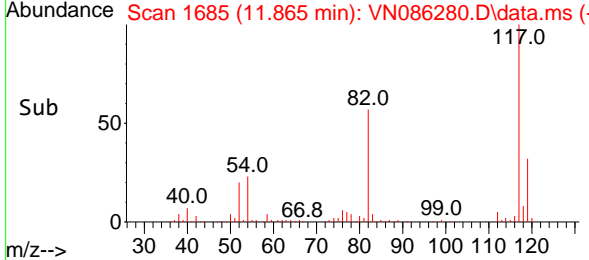
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.865 min Scan# 1177  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020

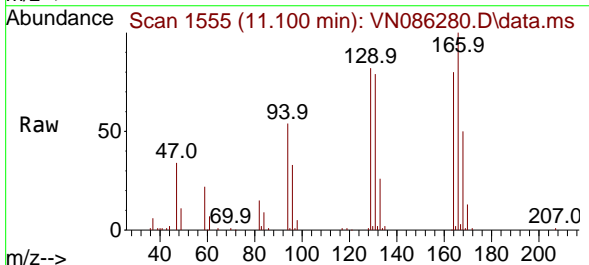


Tgt Ion:117 Resp: 355620  
 Ion Ratio Lower Upper  
 117 100  
 82 57.2 44.7 67.1  
 119 31.8 26.4 39.6

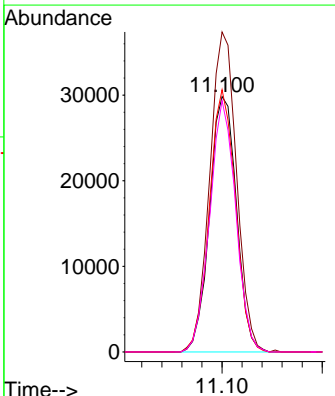
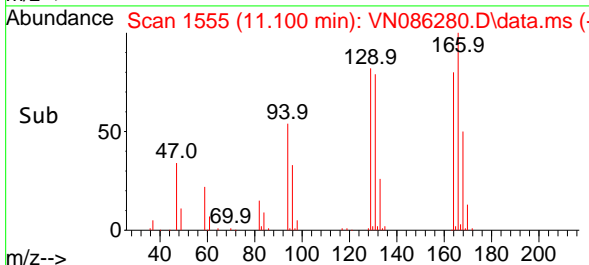
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

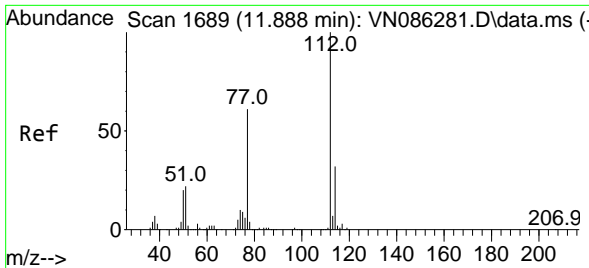


#64  
 Tetrachloroethene  
 Concen: 20.282 ug/l  
 RT: 11.100 min Scan# 1555  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:164 Resp: 55481  
 Ion Ratio Lower Upper  
 164 100  
 166 125.3 103.0 154.4  
 129 102.7 80.1 120.1  
 131 98.4 77.2 115.8





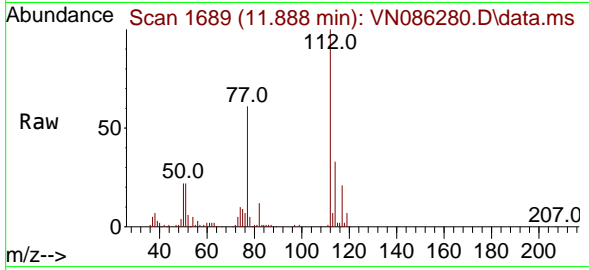
#65  
 Chlorobenzene  
 Concen: 20.024 ug/l  
 RT: 11.888 min Scan# 1689  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020



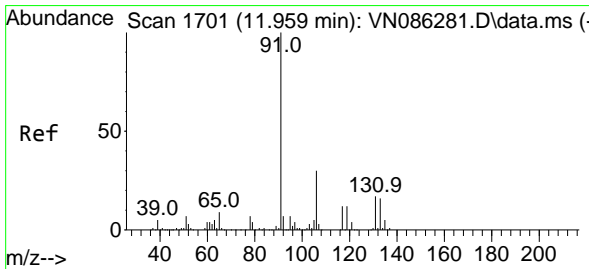
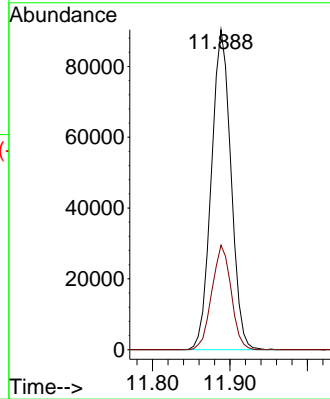
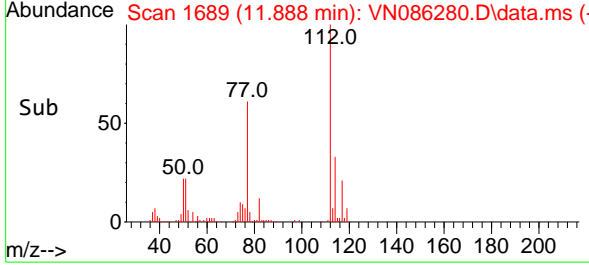
Tgt Ion:112 Resp: 15891  
 Ion Ratio Lower Upper  
 112 100  
 114 32.6 25.4 38.0

Manual Integrations

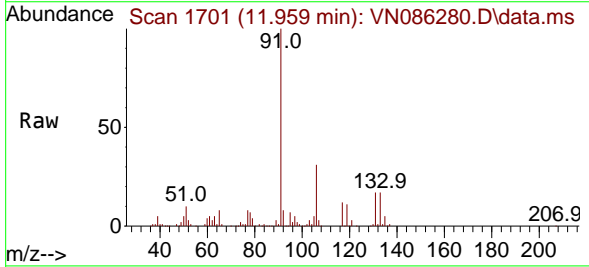
APPROVED

Reviewed By :John Carlone 04/16/2025

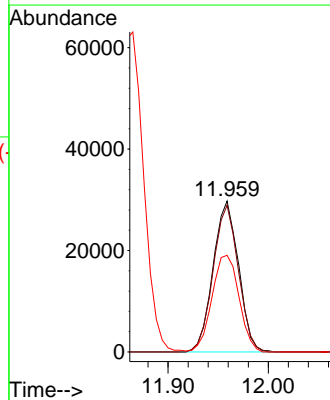
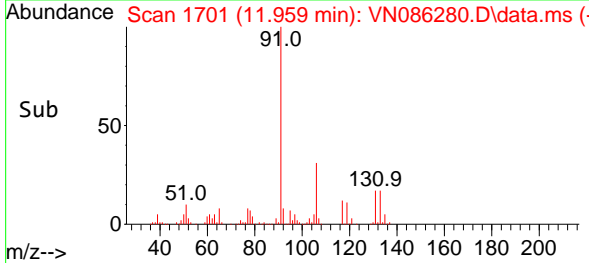
Supervised By :Semsettin Yesilyurt 04/16/2025

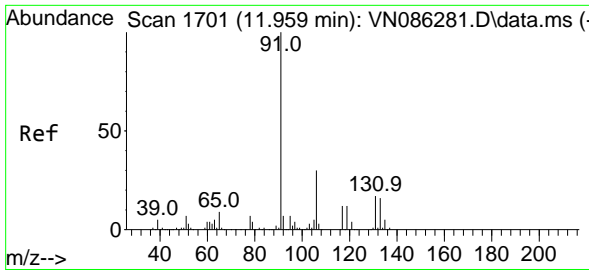


#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 20.010 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:131 Resp: 52389  
 Ion Ratio Lower Upper  
 131 100  
 133 96.9 47.1 141.3  
 119 68.2 33.8 101.4





#67  
 Ethyl Benzene  
 Concen: 20.144 ug/l  
 RT: 11.959 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

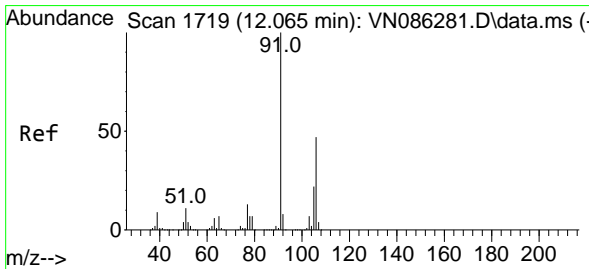
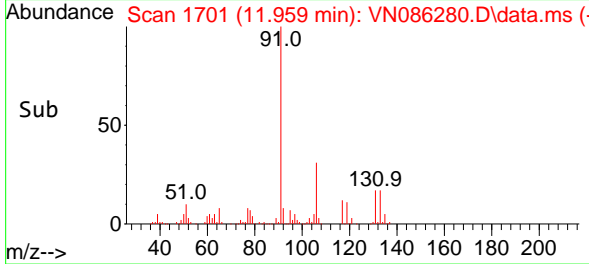
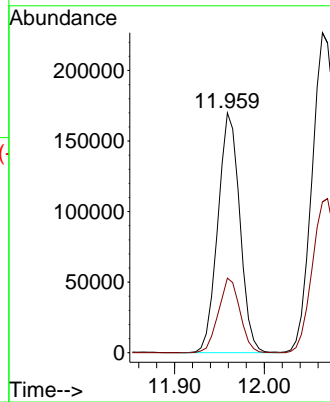
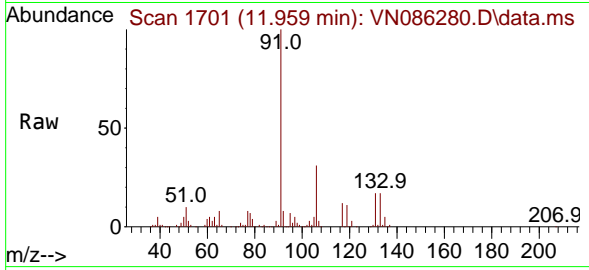
Tgt Ion: 91 Resp: 28848  
 Ion Ratio Lower Upper  
 91 100  
 106 31.1 24.3 36.5

Manual Integrations

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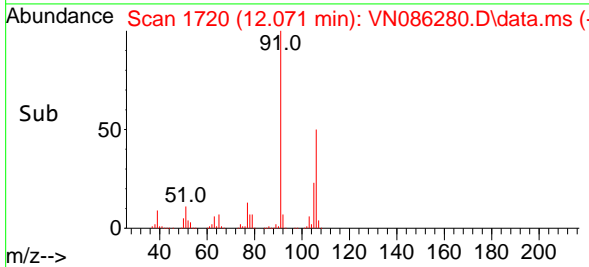
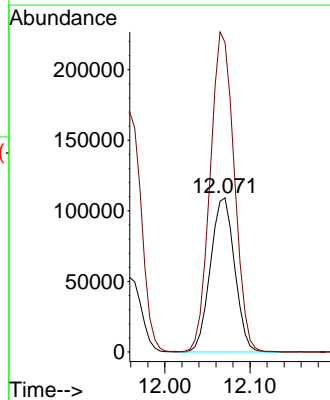
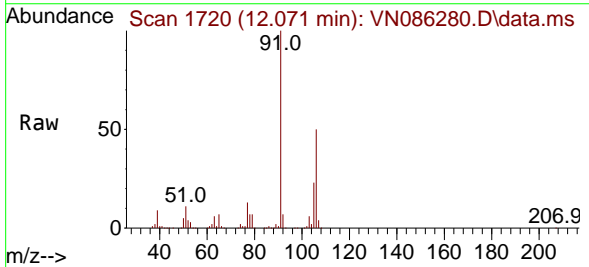
Reviewed By :John Carlone 04/16/2025

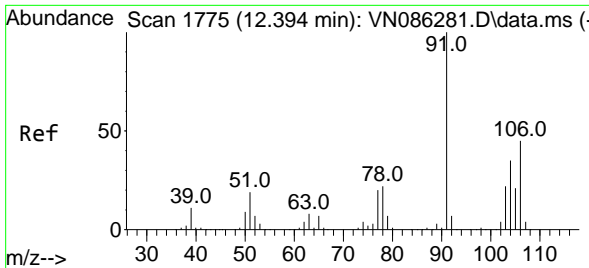
Supervised By :Semsettin Yesilyurt 04/16/2025



#68  
 m/p-Xylenes  
 Concen: 40.122 ug/l  
 RT: 12.071 min Scan# 1720  
 Delta R.T. 0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

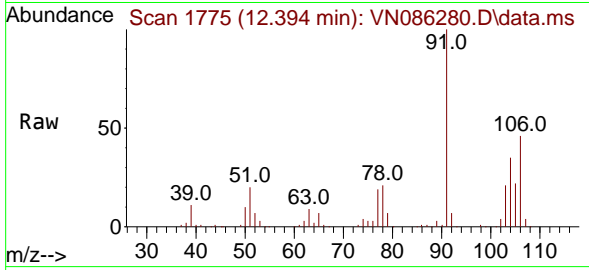
Tgt Ion:106 Resp: 215301  
 Ion Ratio Lower Upper  
 106 100  
 91 207.0 166.5 249.7





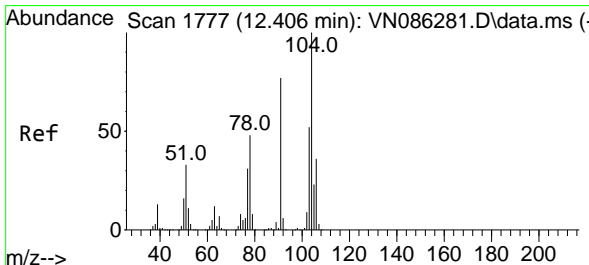
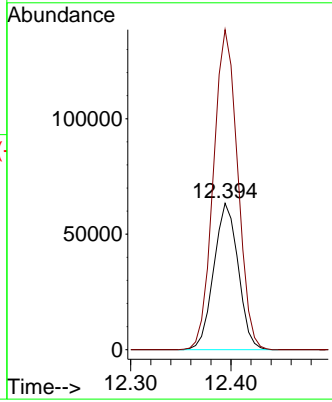
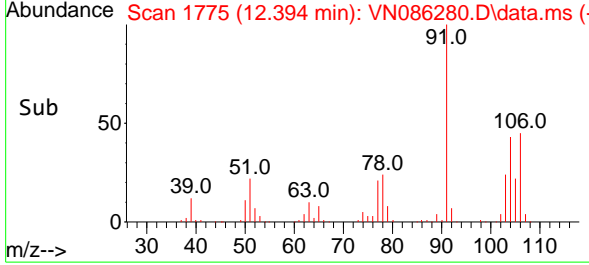
#69  
 o-Xylene  
 Concen: 20.193 ug/l  
 RT: 12.394 min Scan# 1775  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument : MSVOA\_N  
 ClientSampleId : VSTDIC020

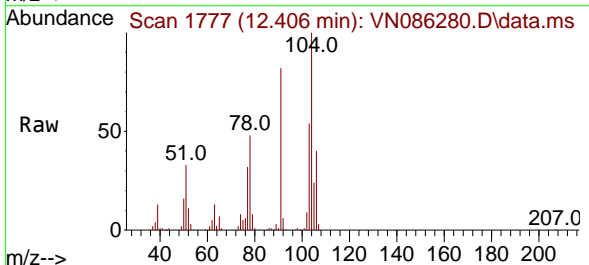


Tgt Ion:106 Resp: 10716  
 Ion Ratio Lower Upper  
 106 100  
 91 217.5 109.7 329.0

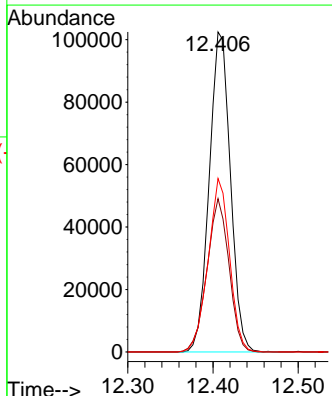
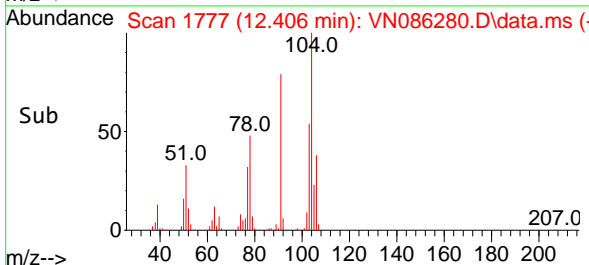
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

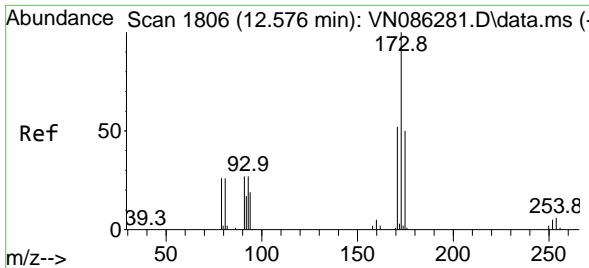


#70  
 Styrene  
 Concen: 20.029 ug/l  
 RT: 12.406 min Scan# 1777  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



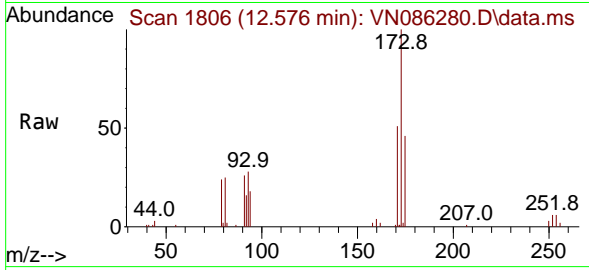
Tgt Ion:104 Resp: 177099  
 Ion Ratio Lower Upper  
 104 100  
 78 49.8 40.6 61.0  
 103 55.0 43.6 65.4





#71  
 Bromoform  
 Concen: 20.138 ug/l  
 RT: 12.576 min Scan# 1806  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

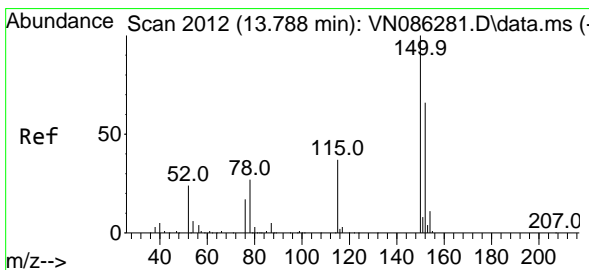
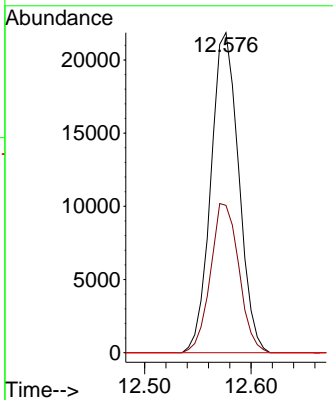
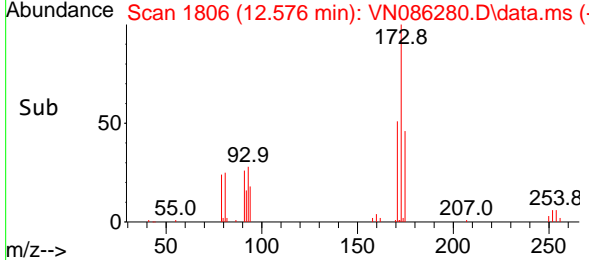
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



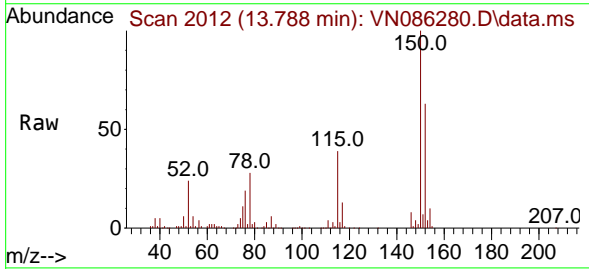
Tgt Ion:173 Resp: 3969  
 Ion Ratio Lower Upper  
 173 100  
 175 47.5 24.6 73.6  
 254 0.0 0.0 0.0

Manual Integrations  
**APPROVED**

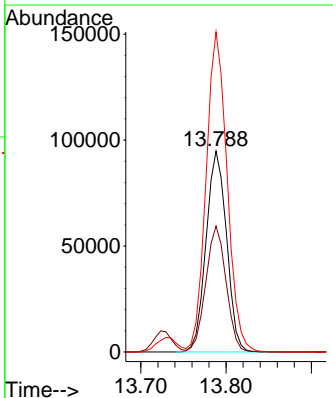
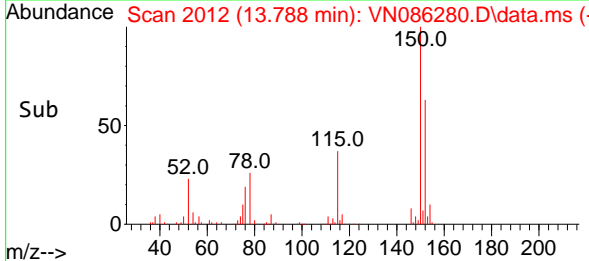
Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025



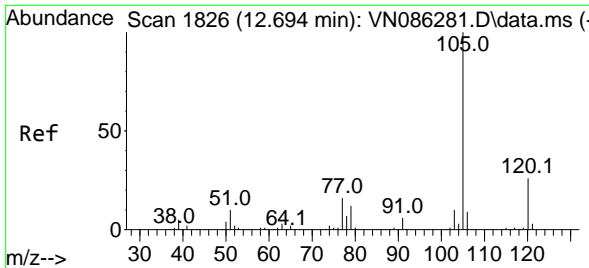
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 2012  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:152 Resp: 158232  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 31.9 95.9  
 150 163.3 0.0 352.0

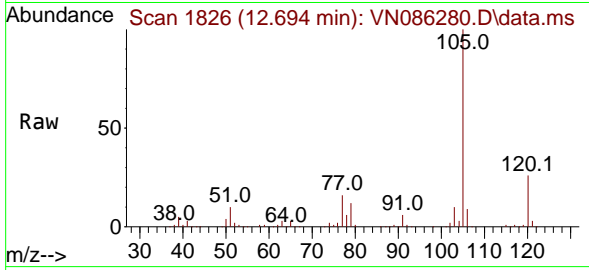






#73  
 Isopropylbenzene  
 Concen: 20.443 ug/l  
 RT: 12.694 min Scan# 1826  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

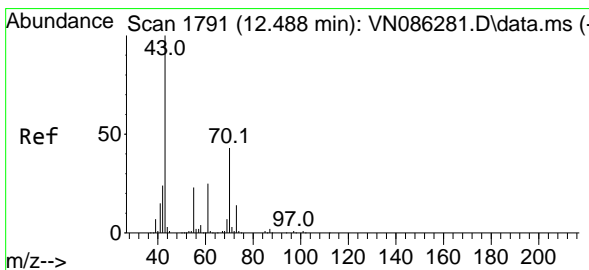
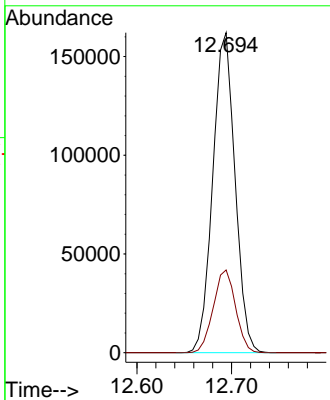
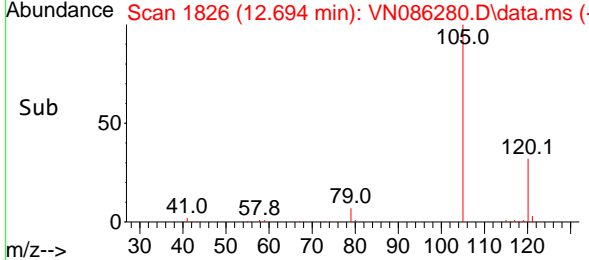
Instrument : MSVOA\_N  
 Client Sample Id : VSTDIC020



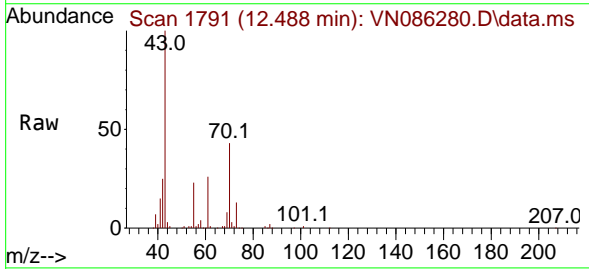
Tgt Ion: 105 Resp: 26460  
 Ion Ratio Lower Upper  
 105 100  
 120 25.9 13.1 39.3

Manual Integrations  
**APPROVED**

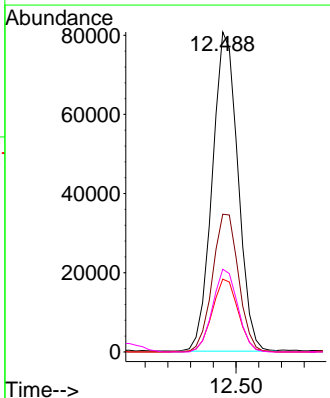
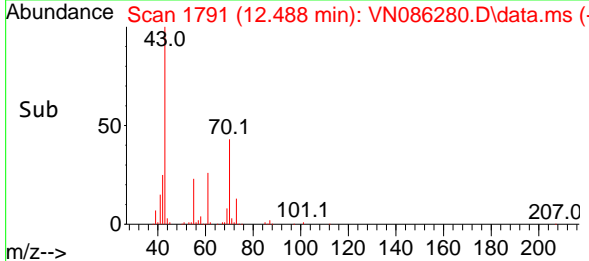
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

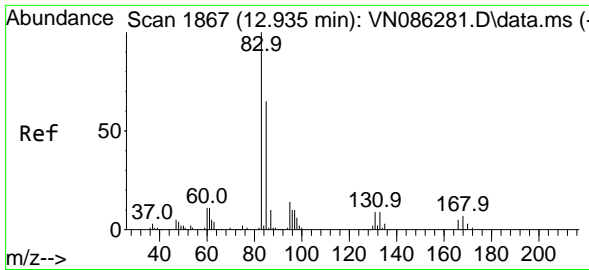


#74  
 N-ethyl acetate  
 Concen: 19.643 ug/l  
 RT: 12.488 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 43 Resp: 126575  
 Ion Ratio Lower Upper  
 43 100  
 70 43.8 35.0 52.4  
 55 23.3 19.0 28.4  
 61 25.4 19.8 29.8





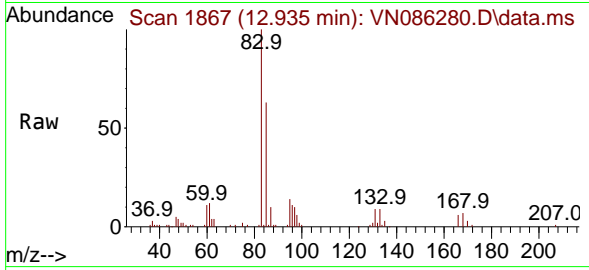
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.620 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020



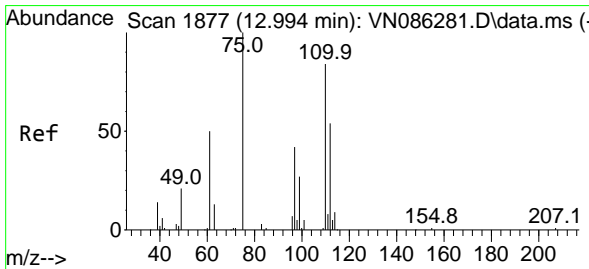
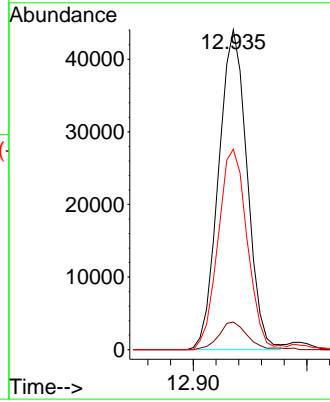
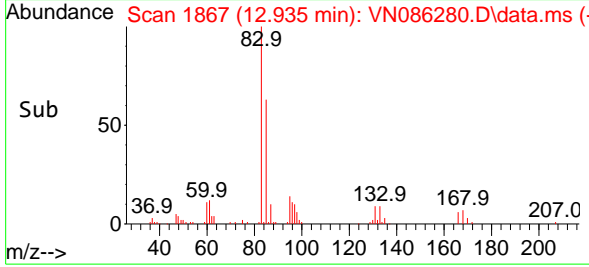
Tgt Ion: 83 Resp: 76740  
 Ion Ratio Lower Upper  
 83 100  
 131 8.8 4.7 14.1  
 85 64.3 32.7 98.1

Manual Integrations

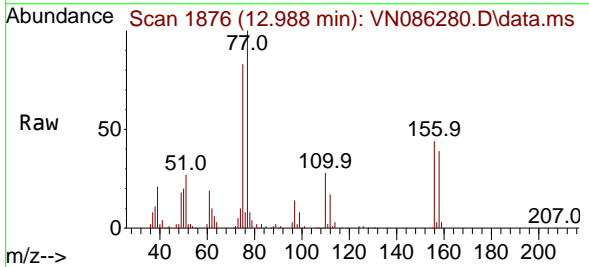
APPROVED

Reviewed By :John Carlone 04/16/2025

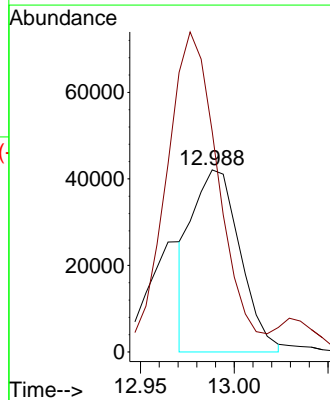
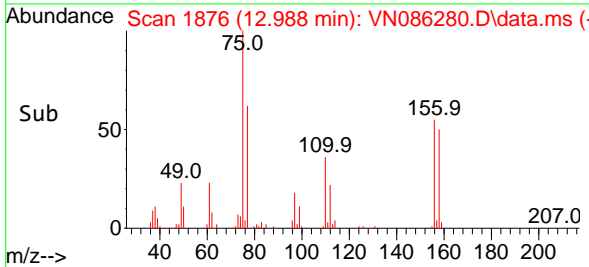
Supervised By :Semsettin Yesilyurt 04/16/2025

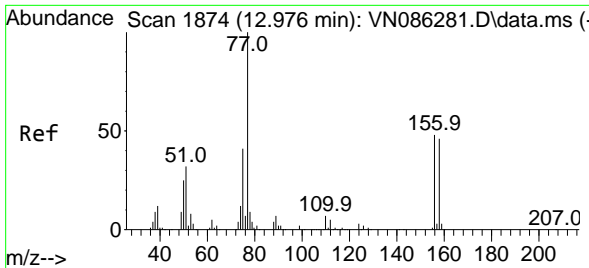


#76  
 1,2,3-Trichloropropane  
 Concen: 20.130 ug/l m  
 RT: 12.988 min Scan# 1876  
 Delta R.T. -0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 75 Resp: 74829  
 Ion Ratio Lower Upper  
 75 100  
 77 192.9 98.8 296.4





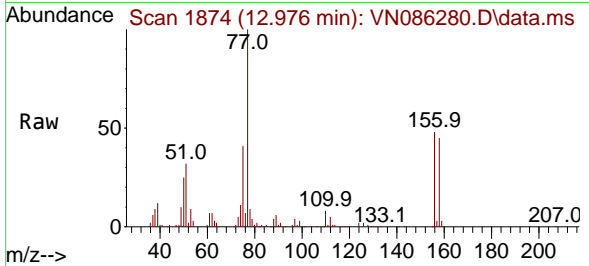
#77  
 Bromobenzene  
 Concen: 20.882 ug/l  
 RT: 12.976 min Scan# 1874  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

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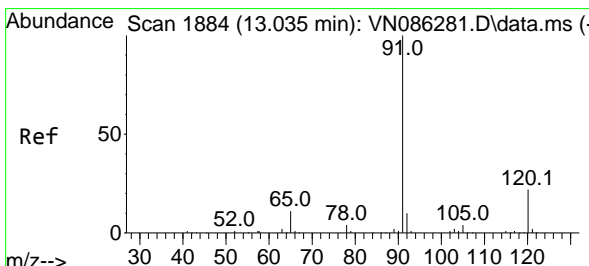
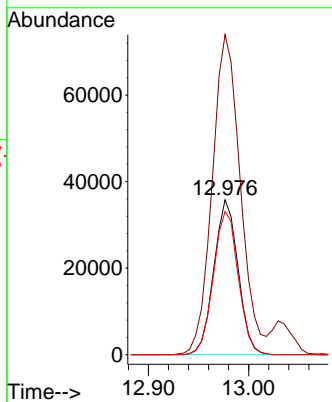
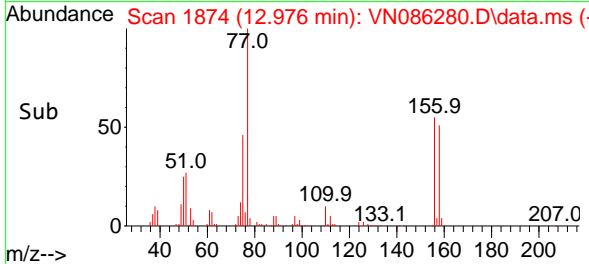
Tgt Ion:156 Resp: 59889  
 Ion Ratio Lower Upper  
 156 100  
 77 241.1 121.1 363.1  
 158 95.0 47.9 143.6

Manual Integrations

APPROVED

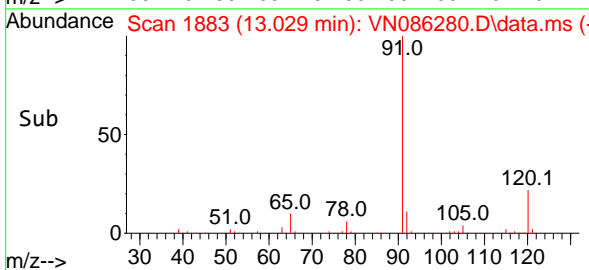
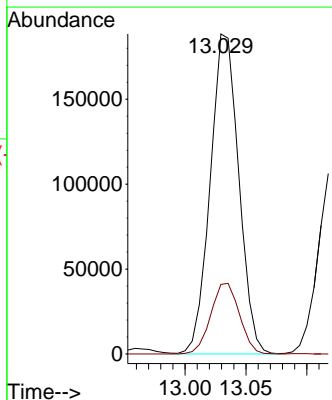
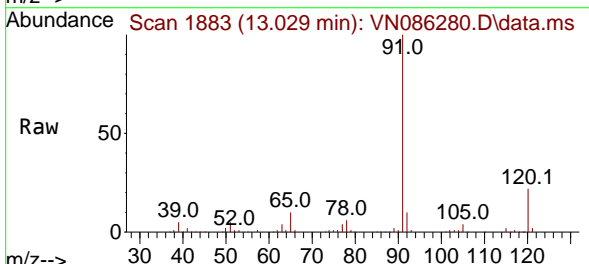
Reviewed By :John Carlone 04/16/2025

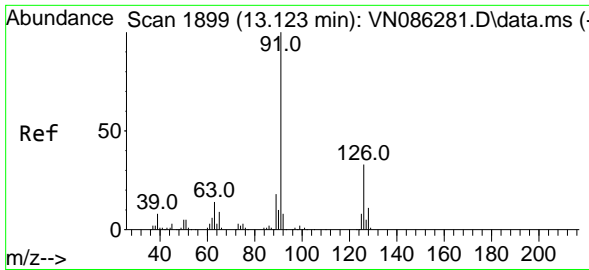
Supervised By :Semsettin Yesilyurt 04/16/2025



#78  
 n-propylbenzene  
 Concen: 20.176 ug/l  
 RT: 13.029 min Scan# 1883  
 Delta R.T. -0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Tgt Ion: 91 Resp: 307737  
 Ion Ratio Lower Upper  
 91 100  
 120 22.1 11.1 33.3





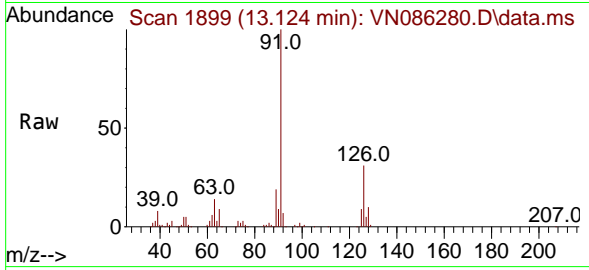
#79  
 2-Chlorotoluene  
 Concen: 20.281 ug/l  
 RT: 13.124 min Scan# 1899  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDICC020



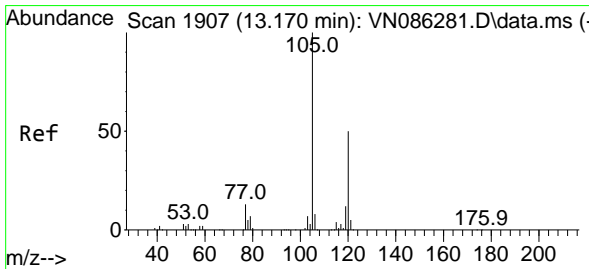
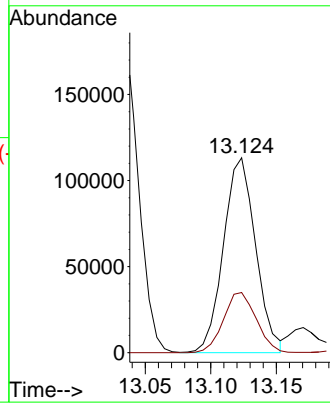
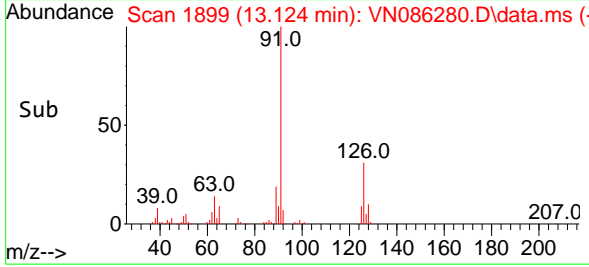
Tgt Ion: 91 Resp: 193569  
 Ion Ratio Lower Upper  
 91 100  
 126 31.5 16.1 48.2

Manual Integrations

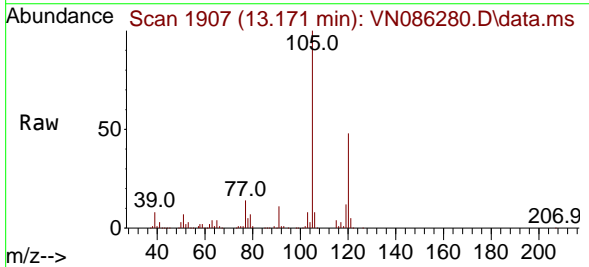
APPROVED

Reviewed By :John Carlone 04/16/2025

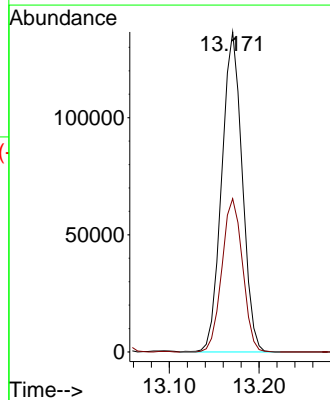
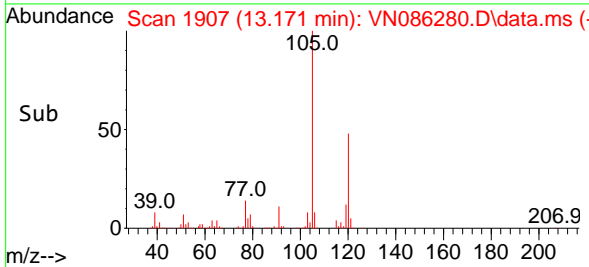
Supervised By :Semsettin Yesilyurt 04/16/2025

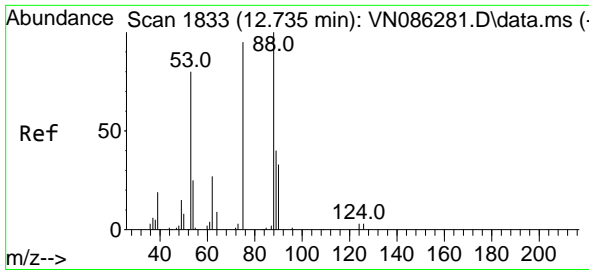


#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.423 ug/l  
 RT: 13.171 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:105 Resp: 216364  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 24.5 73.5





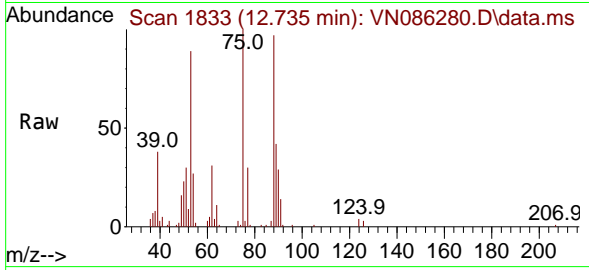
#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 20.104 ug/l m  
 RT: 12.735 min Scan# 1833  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020



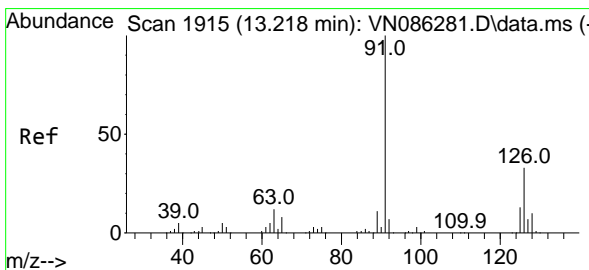
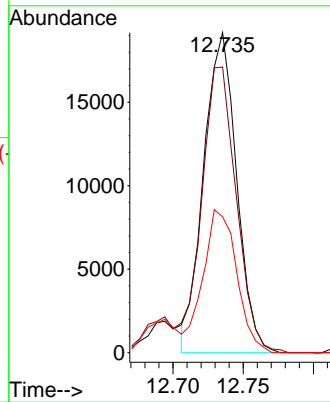
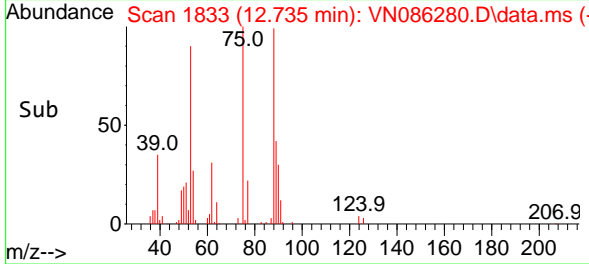
Tgt Ion: 75 Resp: 31250  
 Ion Ratio Lower Upper  
 75 100  
 53 94.7 79.2 118.8  
 89 45.9 35.7 53.5

Manual Integrations

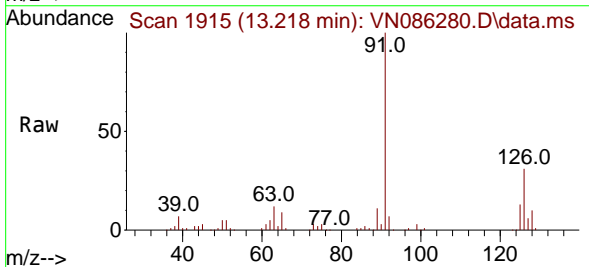
APPROVED

Reviewed By :John Carlone 04/16/2025

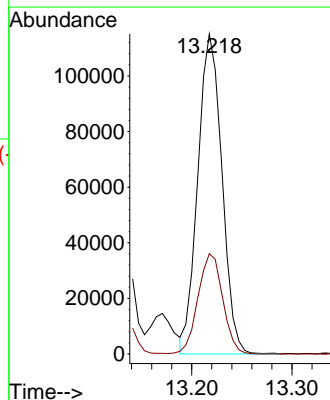
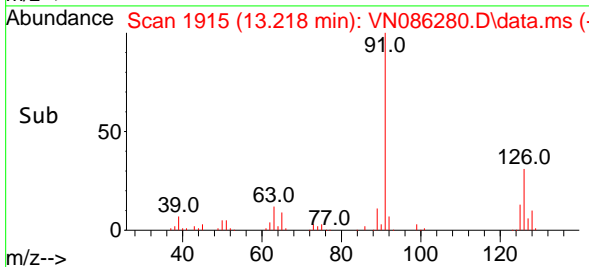
Supervised By :Semsettin Yesilyurt 04/16/2025

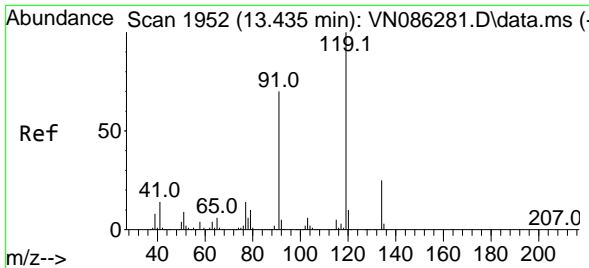


#82  
 4-Chlorotoluene  
 Concen: 20.341 ug/l  
 RT: 13.218 min Scan# 1915  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 91 Resp: 192849  
 Ion Ratio Lower Upper  
 91 100  
 126 32.0 16.2 48.6





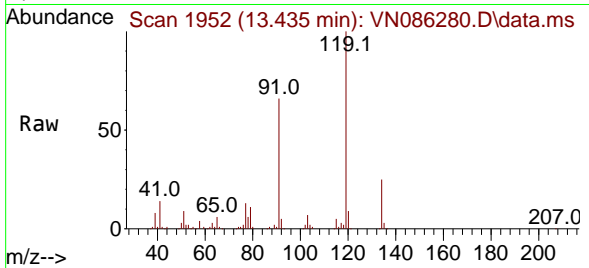
#83  
 tert-Butylbenzene  
 Concen: 19.901 ug/l  
 RT: 13.435 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

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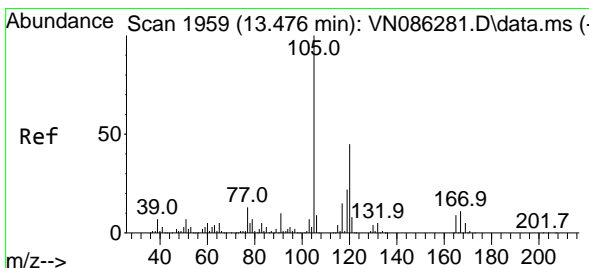
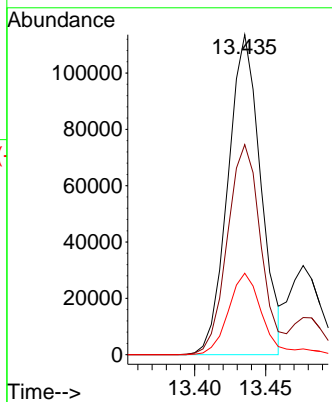
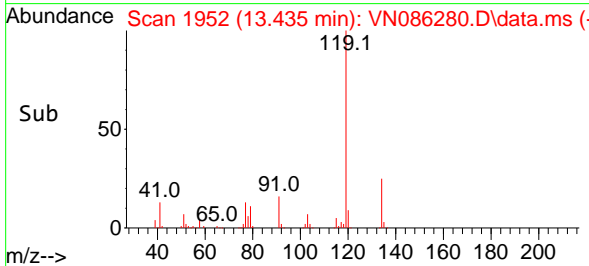
Tgt Ion:119 Resp: 18268  
 Ion Ratio Lower Upper  
 119 100  
 91 67.6 34.4 103.3  
 134 26.5 13.0 39.0

Manual Integrations

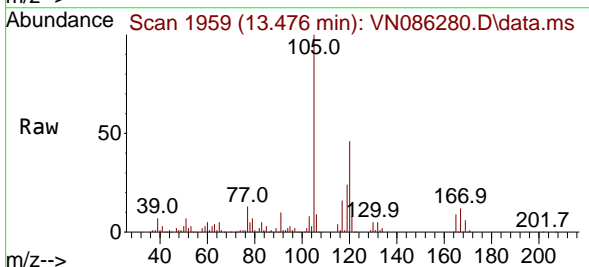
APPROVED

Reviewed By :John Carlone 04/16/2025

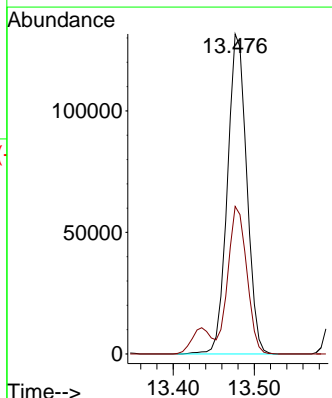
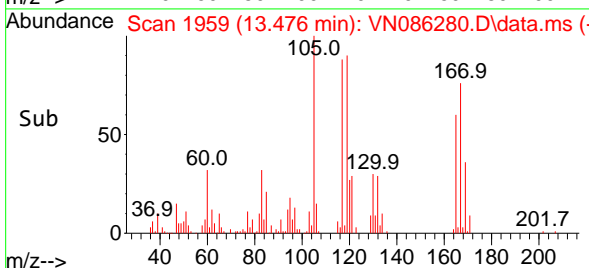
Supervised By :Semsettin Yesilyurt 04/16/2025

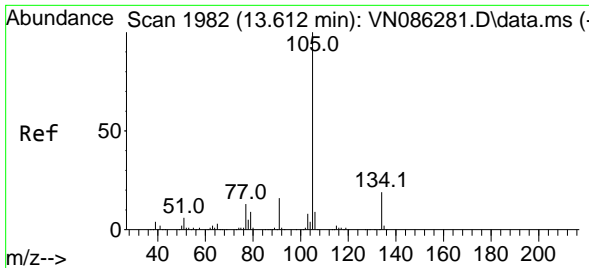


#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.135 ug/l  
 RT: 13.476 min Scan# 1959  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:105 Resp: 217135  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 22.4 67.3





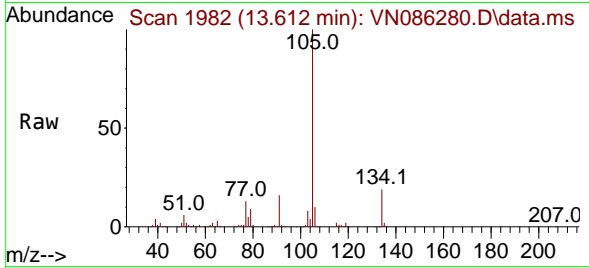
#85  
 sec-Butylbenzene  
 Concen: 19.838 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020

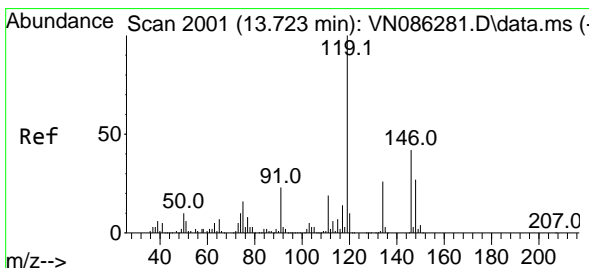
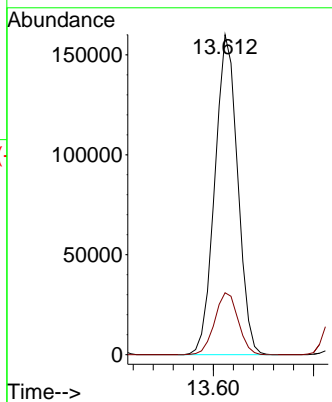
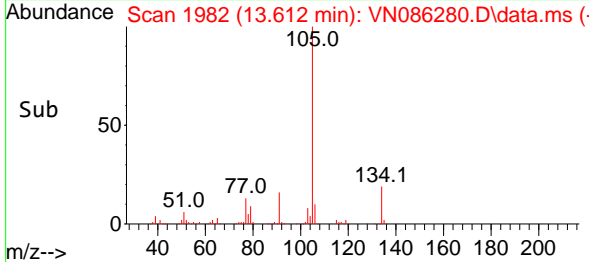


Tgt Ion: 105 Resp: 25259  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.7 29.1

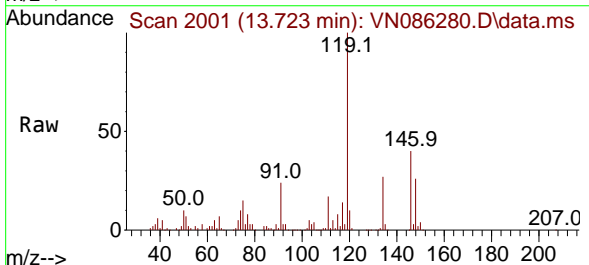
Manual Integrations

APPROVED

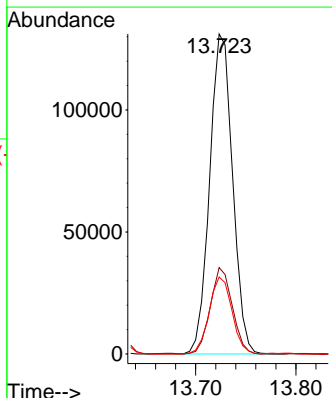
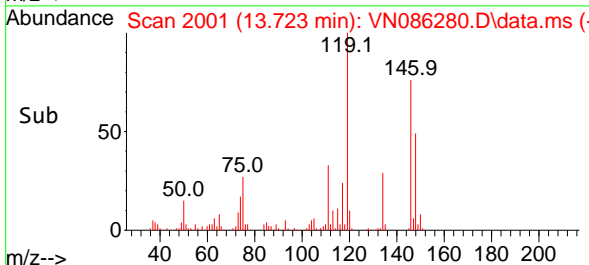
Reviewed By : John Carlone 04/16/2025  
 Supervised By : Semsettin Yesilyurt 04/16/2025

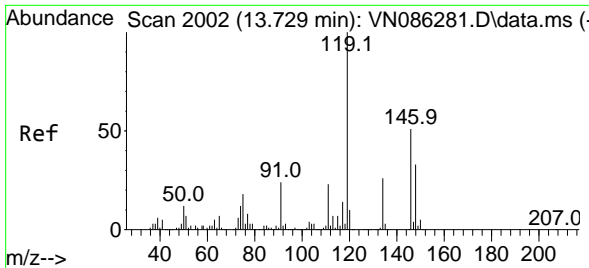


#86  
 p-Isopropyltoluene  
 Concen: 19.844 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 119 Resp: 208256  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.1 39.1  
 91 23.8 11.9 35.9





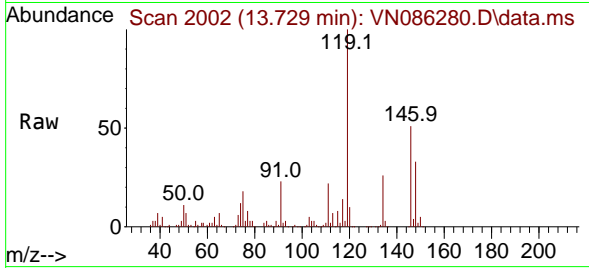
#87  
 1,3-Dichlorobenzene  
 Concen: 19.938 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

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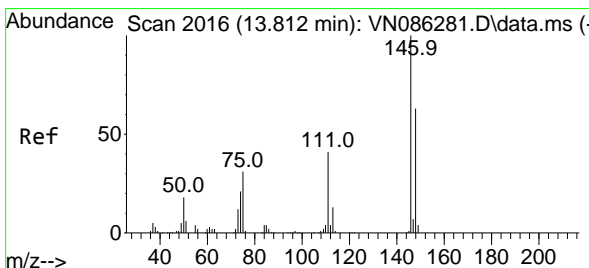
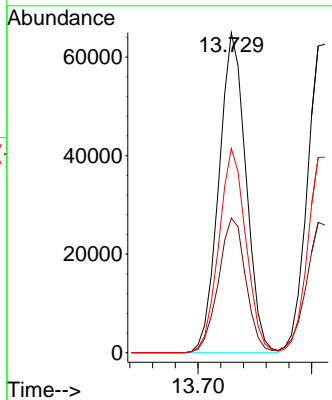
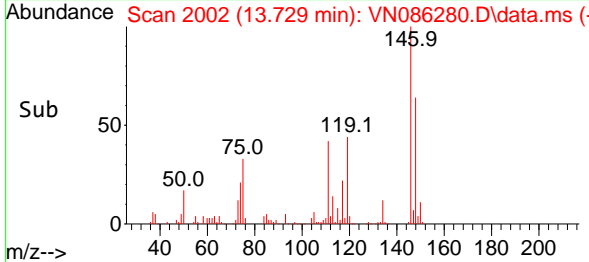
Tgt Ion:146 Resp: 10749  
 Ion Ratio Lower Upper  
 146 100  
 111 42.6 21.9 65.7  
 148 64.0 31.9 95.5

Manual Integrations

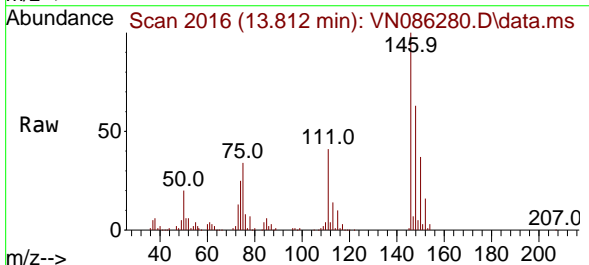
APPROVED

Reviewed By :John Carlone 04/16/2025

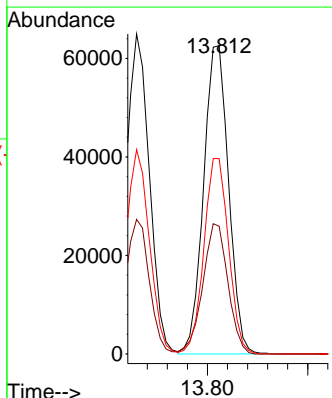
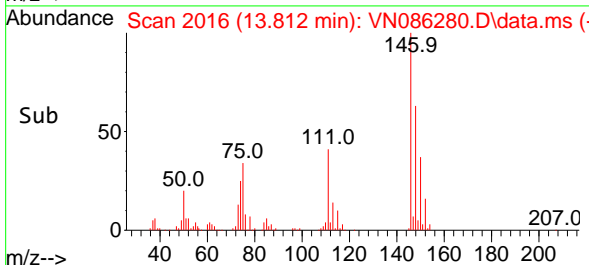
Supervised By :Semsettin Yesilyurt 04/16/2025



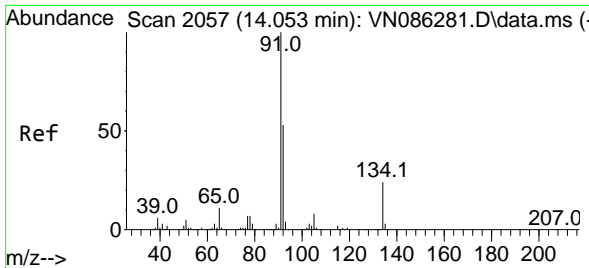
#88  
 1,4-Dichlorobenzene  
 Concen: 19.964 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:146 Resp: 108412  
 Ion Ratio Lower Upper  
 146 100  
 111 42.6 21.3 63.9  
 148 62.6 31.9 95.9

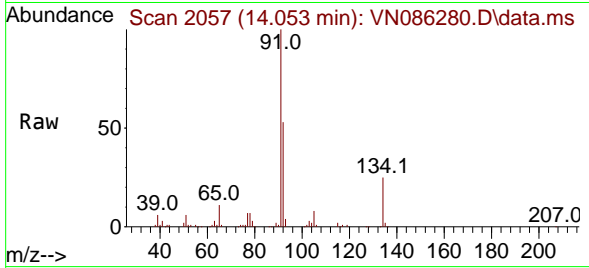






#89  
 n-Butylbenzene  
 Concen: 19.871 ug/l  
 RT: 14.053 min Scan# 2057  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :  
 MSVOA\_N  
 Client Sample Id :  
 VSTDIC020

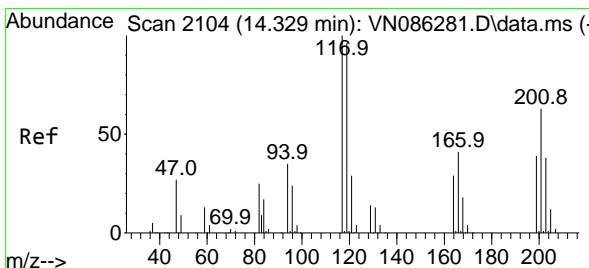
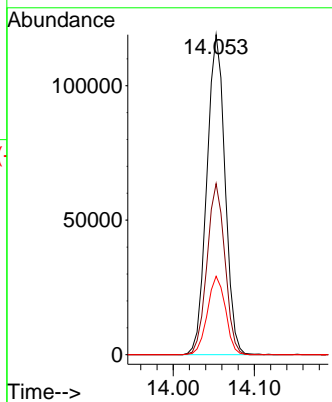
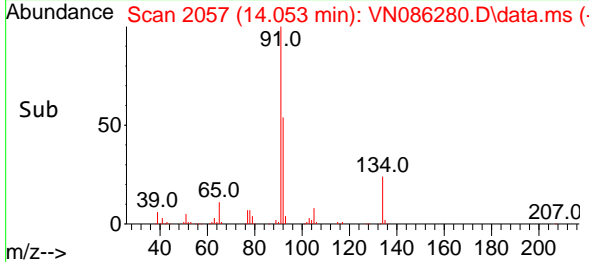


Tgt Ion: 91 Resp: 18485

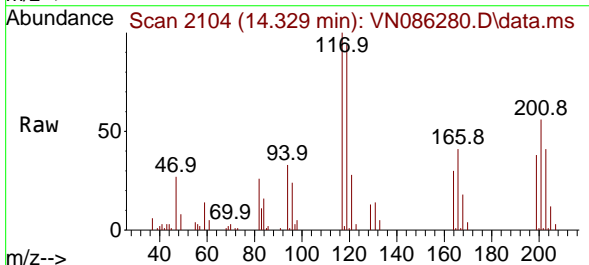
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	24.4	12.2	36.6

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 04/16/2025  
 Supervised By :Semsettin Yesilyurt 04/16/2025

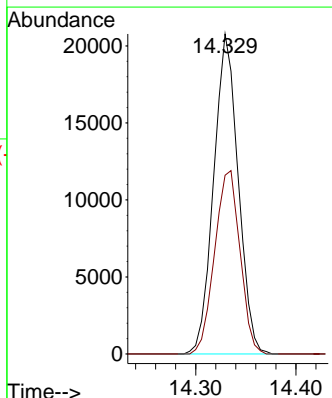
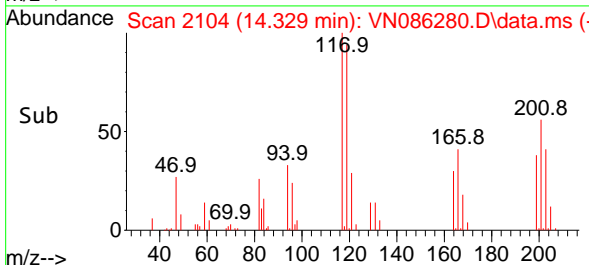


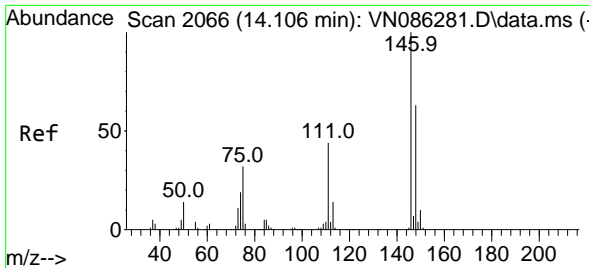
#90  
 Hexachloroethane  
 Concen: 19.968 ug/l  
 RT: 14.329 min Scan# 2104  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 117 Resp: 35250

Ion	Ratio	Lower	Upper
117	100		
201	59.3	31.4	94.2





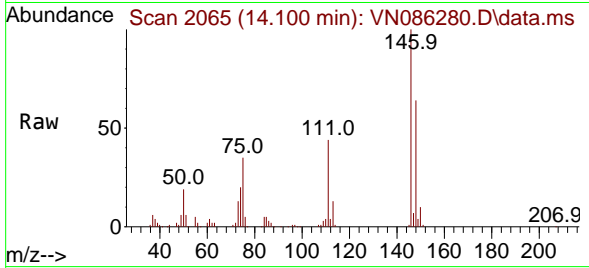
#91  
 1,2-Dichlorobenzene  
 Concen: 19.932 ug/l  
 RT: 14.100 min Scan# 2065  
 Delta R.T. -0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020



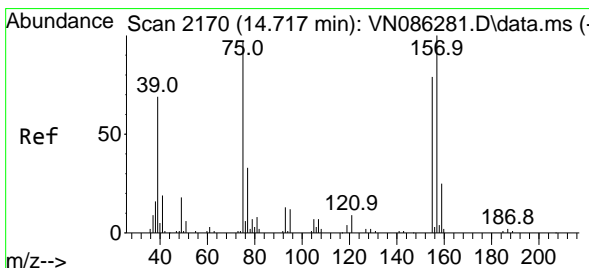
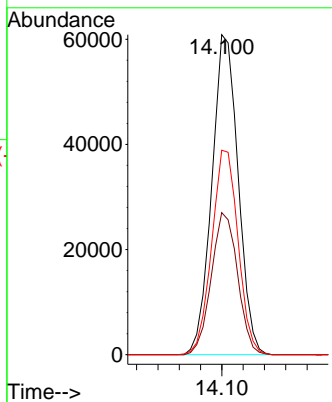
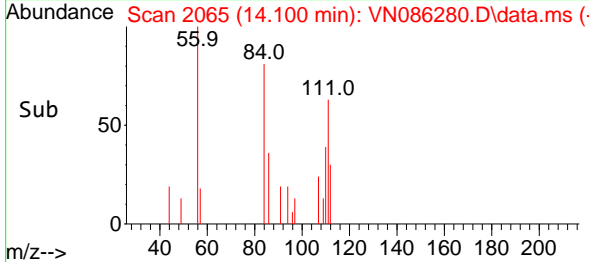
Tgt Ion:146 Resp: 10418  
 Ion Ratio Lower Upper  
 146 100  
 111 44.5 22.4 67.0  
 148 64.1 31.8 95.4

Manual Integrations

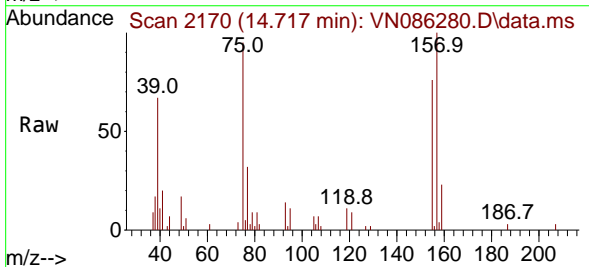
APPROVED

Reviewed By :John Carlone 04/16/2025

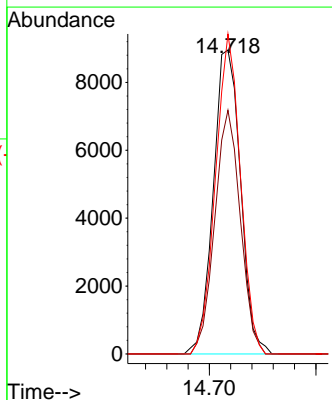
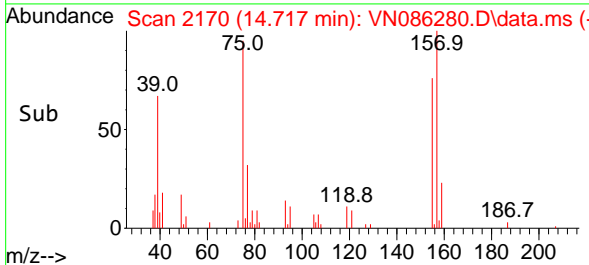
Supervised By :Semsettin Yesilyurt 04/16/2025

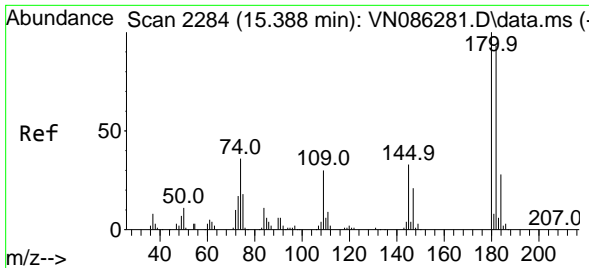


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.139 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion: 75 Resp: 15863  
 Ion Ratio Lower Upper  
 75 100  
 155 75.5 40.3 120.9  
 157 96.5 49.0 147.2





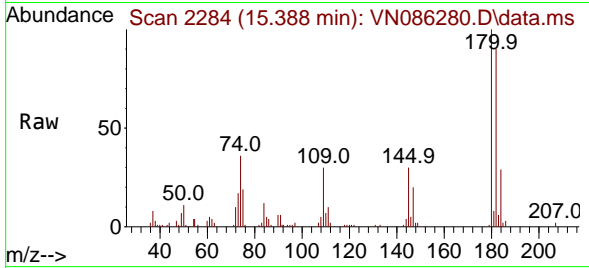
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.048 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020



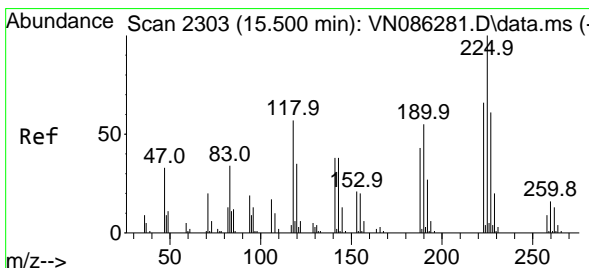
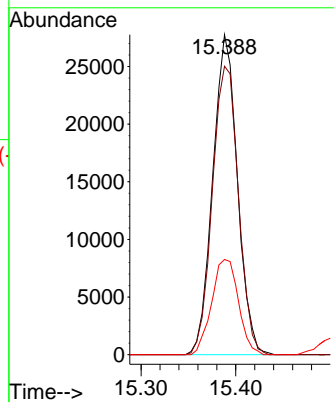
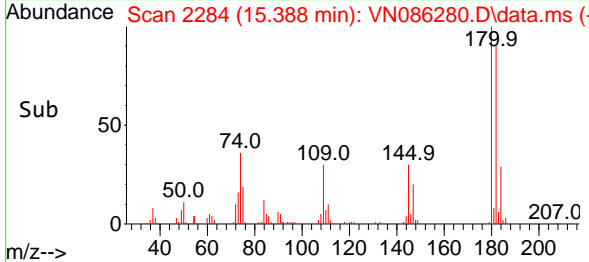
Tgt Ion:180 Resp: 50179  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 47.0 141.0  
 145 32.3 16.4 49.1

Manual Integrations

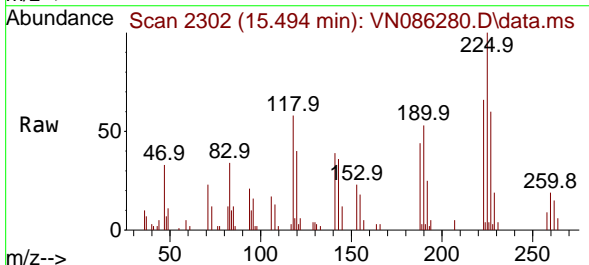
APPROVED

Reviewed By :John Carlone 04/16/2025

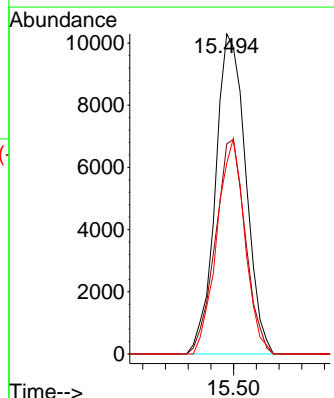
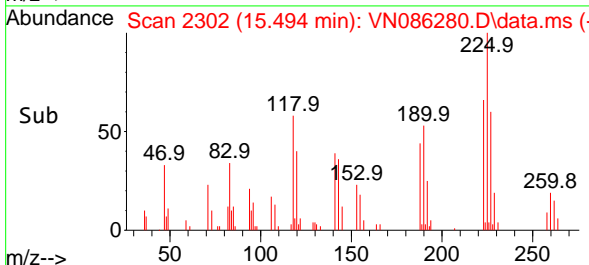
Supervised By :Semsettin Yesilyurt 04/16/2025

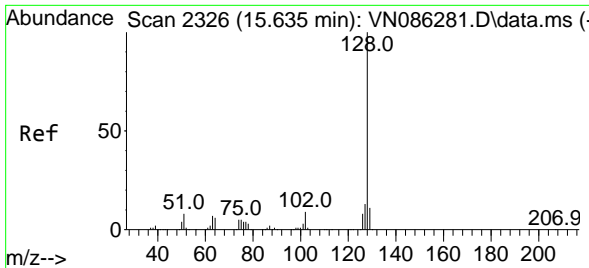


#94  
 Hexachlorobutadiene  
 Concen: 20.135 ug/l  
 RT: 15.494 min Scan# 2302  
 Delta R.T. -0.006 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:225 Resp: 19024  
 Ion Ratio Lower Upper  
 225 100  
 223 66.4 32.8 98.3  
 227 62.2 31.4 94.0





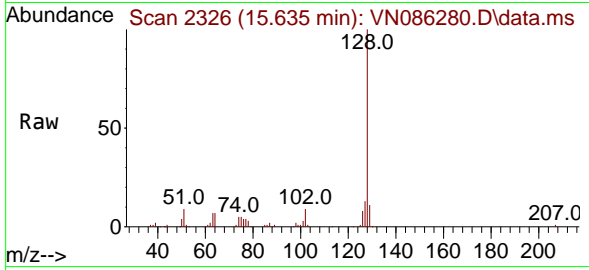
#95  
 Naphthalene  
 Concen: 20.717 ug/l  
 RT: 15.635 min Scan# 2326  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09

Instrument :

MSVOA\_N

Client Sample Id :

VSTDIC020



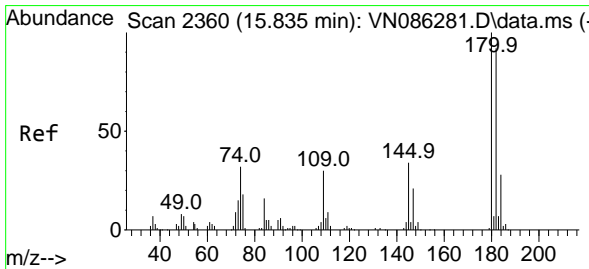
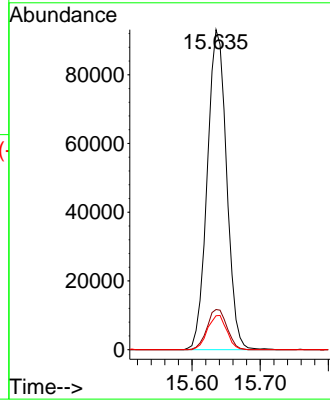
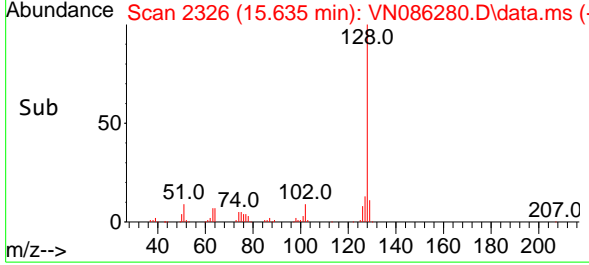
Tgt Ion:128 Resp: 183810  
 Ion Ratio Lower Upper  
 128 100  
 127 13.0 10.2 15.4  
 129 10.6 8.6 13.0

Manual Integrations

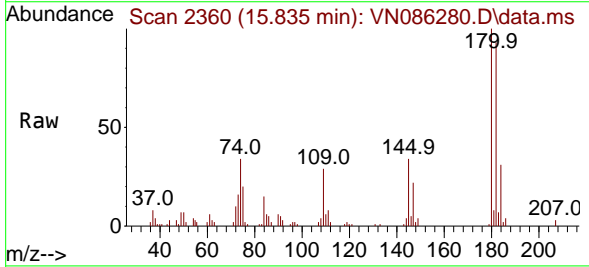
APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#96  
 1,2,3-Trichlorobenzene  
 Concen: 20.013 ug/l  
 RT: 15.835 min Scan# 2360  
 Delta R.T. 0.000 min  
 Lab File: VN086280.D  
 Acq: 15 Apr 2025 13:09



Tgt Ion:180 Resp: 47425  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 47.3 142.0  
 145 34.6 17.2 51.5

