

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088440.D
 Acq On : 04 Dec 2025 13:11
 Operator : JC\MD
 Sample : VN1204MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:13:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	284523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	511804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	228963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	292790	54.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.260%			
35) Dibromofluoromethane	8.147	113	191157	53.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.800%			
50) Toluene-d8	10.541	98	710342	53.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.829	95	244760	54.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	83981	19.651	ug/l	98
3) Chloromethane	2.383	50	82045	17.875	ug/l	99
4) Vinyl Chloride	2.542	62	85572	18.326	ug/l	95
5) Bromomethane	2.989	94	40822	18.164	ug/l	100
6) Chloroethane	3.148	64	53960	18.674	ug/l	94
7) Trichlorofluoromethane	3.512	101	127267	19.392	ug/l	97
8) Diethyl Ether	3.965	74	44841	18.204	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	67464	19.310	ug/l	97
10) Methyl Iodide	4.589	142	52610	15.211	ug/l	96
11) Tert butyl alcohol	5.506	59	70139	81.964	ug/l #	82
12) 1,1-Dichloroethene	4.342	96	63720	18.357	ug/l	97
13) Acrolein	4.171	56	71071	86.750	ug/l	97
14) Allyl chloride	5.012	41	112303	17.455	ug/l	99
15) Acrylonitrile	5.712	53	219543	88.922	ug/l	98
16) Acetone	4.424	43	167355	86.337	ug/l	99
17) Carbon Disulfide	4.706	76	201473	17.762	ug/l	99
18) Methyl Acetate	5.018	43	102572	17.777	ug/l	99
19) Methyl tert-butyl Ether	5.777	73	234952	18.066	ug/l	95
20) Methylene Chloride	5.271	84	72781	17.549	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	69503	18.075	ug/l	96
22) Diisopropyl ether	6.653	45	267174	19.451	ug/l	96
23) Vinyl Acetate	6.589	43	1132011	102.288	ug/l	98
24) 1,1-Dichloroethane	6.547	63	145286	18.677	ug/l	98
25) 2-Butanone	7.465	43	276936	88.870	ug/l	98
26) 2,2-Dichloropropane	7.471	77	130633	19.456	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	81789	18.302	ug/l	99
28) Bromochloromethane	7.794	49	76021	19.618	ug/l	99
29) Tetrahydrofuran	7.824	42	200332	89.627	ug/l	98
30) Chloroform	7.947	83	150669	19.712	ug/l	98
31) Cyclohexane	8.236	56	131261	18.621	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	128719	19.153	ug/l	98
36) 1,1-Dichloropropene	8.353	75	102190	18.669	ug/l	97
37) Ethyl Acetate	7.547	43	129833	18.039	ug/l	100
38) Carbon Tetrachloride	8.341	117	108103	19.839	ug/l	96
39) Methylcyclohexane	9.577	83	103667	17.706	ug/l	95
40) Benzene	8.588	78	301936	18.794	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	61207	17.170	ug/l	97
42) 1,2-Dichloroethane	8.653	62	125001	20.393	ug/l	98
43) Isopropyl Acetate	8.671	43	198068	18.011	ug/l	99
44) Trichloroethene	9.330	130	66815	17.601	ug/l	98
45) 1,2-Dichloropropane	9.600	63	78156	18.988	ug/l	93
46) Dibromomethane	9.688	93	57836	19.689	ug/l	98
47) Bromodichloromethane	9.865	83	119946	20.012	ug/l	93
48) Methyl methacrylate	9.659	41	89246	17.787	ug/l	98
49) 1,4-Dioxane	9.683	88	23166	363.052	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	622342	96.013	ug/l	100
52) Toluene	10.606	92	184006	19.835	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	113643	18.472	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	124206	19.198	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	69117	19.257	ug/l	99
56) Ethyl methacrylate	10.859	69	103870	18.321	ug/l	96
57) 1,3-Dichloropropane	11.141	76	123158	19.021	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.135	63	287394	87.928	ug/l	99
59) 2-Hexanone	11.177	43	372396	91.201	ug/l	100
60) Dibromochloromethane	11.335	129	82193	20.088	ug/l	99
61) 1,2-Dibromoethane	11.447	107	68824	18.936	ug/l	97
64) Tetrachloroethene	11.082	164	62353	17.077	ug/l	97
65) Chlorobenzene	11.871	112	192273	18.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	65680	18.824	ug/l	97
67) Ethyl Benzene	11.941	91	335210	18.539	ug/l	98
68) m/p-Xylenes	12.047	106	246386	36.751	ug/l	97
69) o-Xylene	12.376	106	112668	17.628	ug/l	98
70) Styrene	12.388	104	195869	18.874	ug/l	99
71) Bromoform	12.559	173	48860	19.118	ug/l #	100
73) Isopropylbenzene	12.671	105	296837	17.534	ug/l	99
74) N-amyl acetate	12.688	43	95665m	16.593	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	102052	18.647	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	103932m	19.380	ug/l	
77) Bromobenzene	12.959	156	72973	18.839	ug/l	99
78) n-propylbenzene	13.012	91	384732	18.576	ug/l	100
79) 2-Chlorotoluene	13.100	91	228690	18.082	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	259557	18.503	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	32875	17.391	ug/l #	99
82) 4-Chlorotoluene	13.200	91	239177	19.040	ug/l	98
83) tert-Butylbenzene	13.412	119	214557	17.992	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	262441	18.822	ug/l	99
85) sec-Butylbenzene	13.594	105	315370	18.409	ug/l	99
86) p-Isopropyltoluene	13.706	119	258551	18.405	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	135518	17.973	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	143385	18.154	ug/l	97
89) n-Butylbenzene	14.035	91	246656	18.083	ug/l	98
90) Hexachloroethane	14.306	117	46731	18.210	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	128181	18.065	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23318	17.560	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	69507	16.486	ug/l	95
94) Hexachlorobutadiene	15.476	225	27388	18.078	ug/l	93
95) Naphthalene	15.617	128	230687	15.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	69472	16.932	ug/l	98

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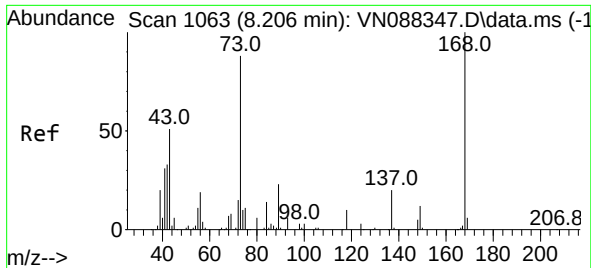
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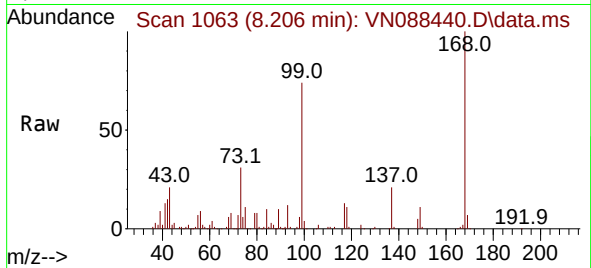
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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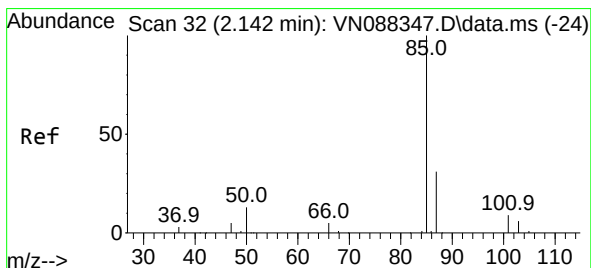
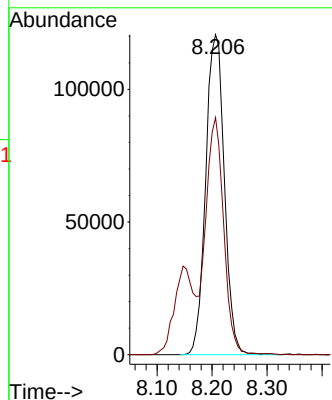
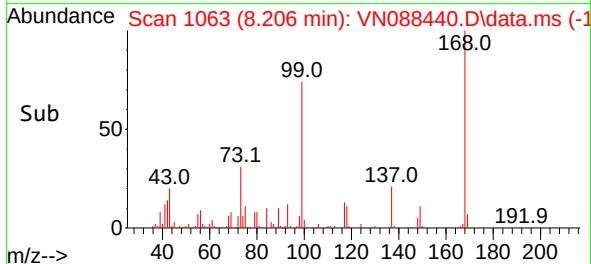
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:168 Resp: 28452
Ion Ratio Lower Upper
168 100
99 74.1 57.1 85.7

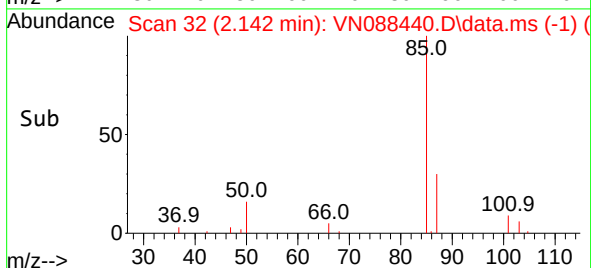
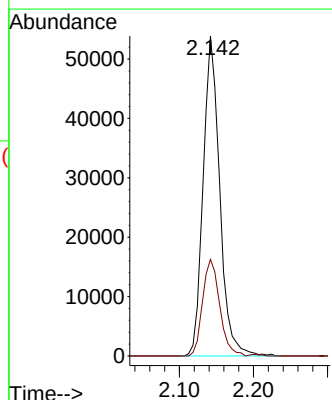
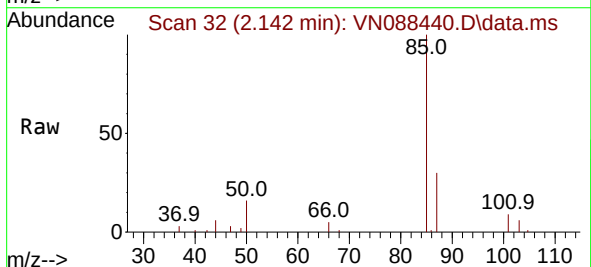
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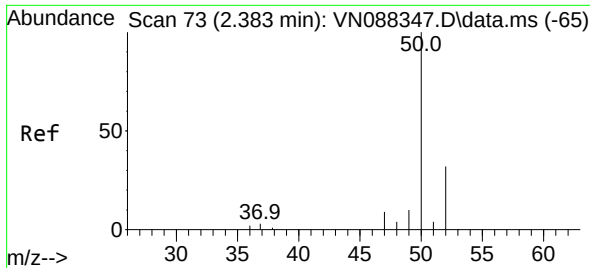
Reviewed By :John Carlone 12/05/2025
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#2
Dichlorodifluoromethane
Concen: 19.651 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion: 85 Resp: 83981
Ion Ratio Lower Upper
85 100
87 30.2 15.6 46.7





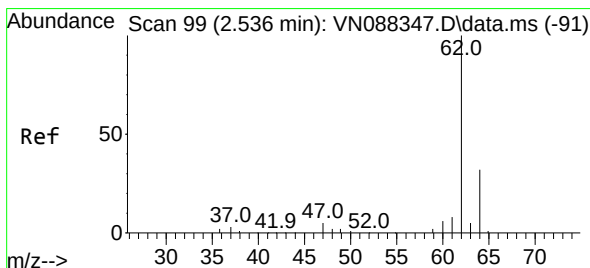
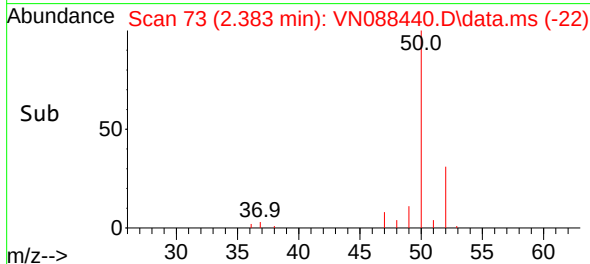
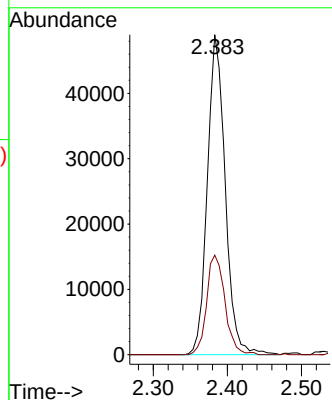
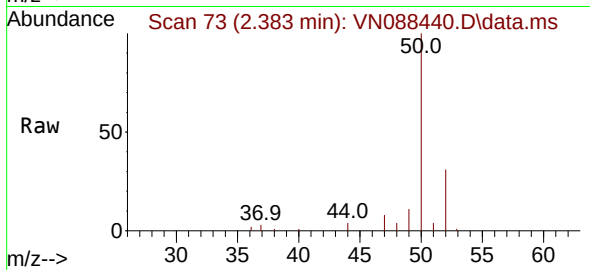
#3
Chloromethane
Concen: 17.875 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN088440.D
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Tgt Ion: 50 Resp: 8204
Ion Ratio Lower Upper
50 100
52 31.1 25.2 37.8

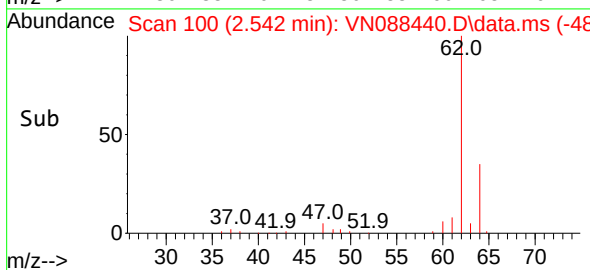
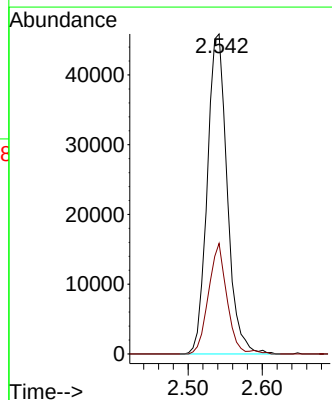
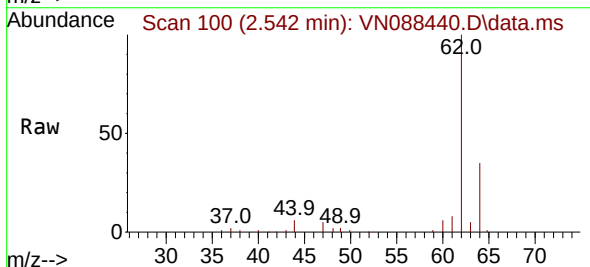
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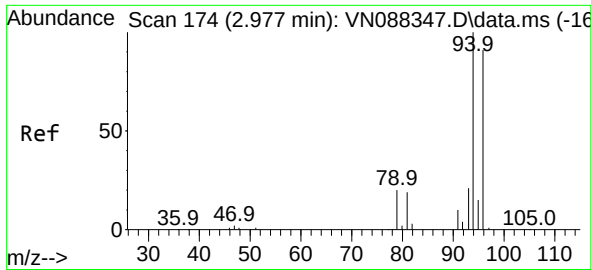
Reviewed By :John Carlone 12/05/2025
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#4
Vinyl Chloride
Concen: 18.326 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion: 62 Resp: 85572
Ion Ratio Lower Upper
62 100
64 34.5 25.4 38.2





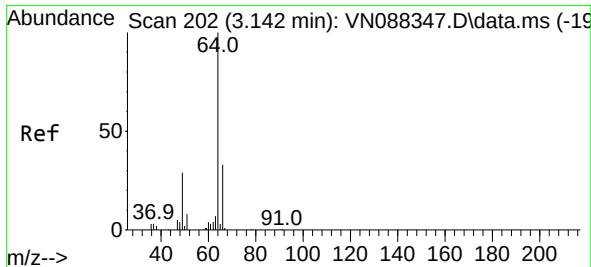
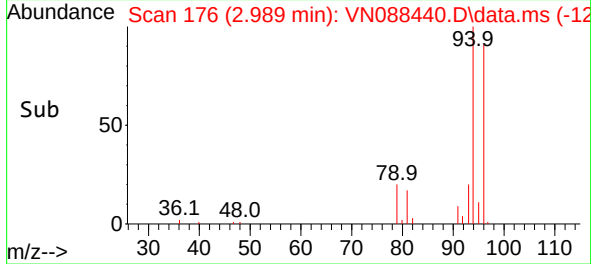
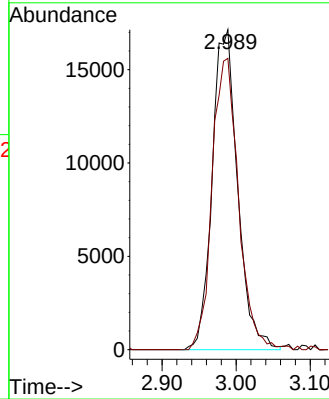
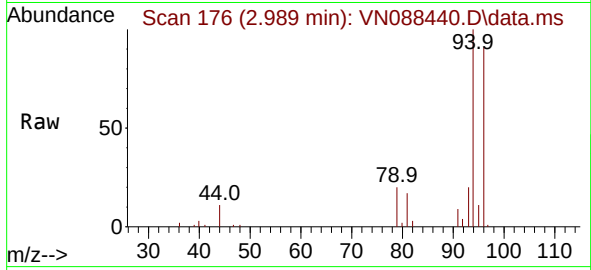
#5
Bromomethane
Concen: 18.164 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088440.D
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Tgt Ion: 94 Resp: 4082
Ion Ratio Lower Upper
94 100
96 91.0 73.2 109.8

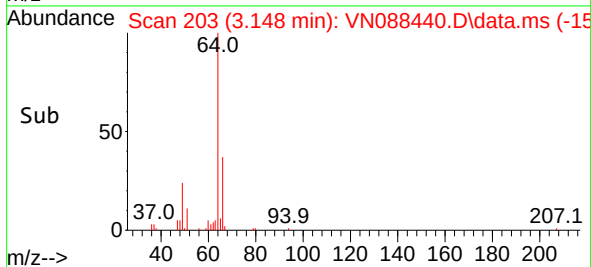
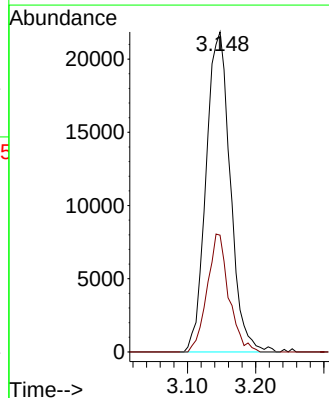
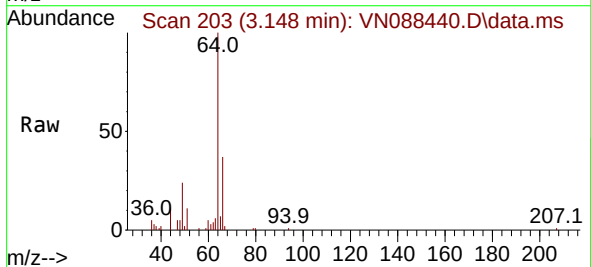
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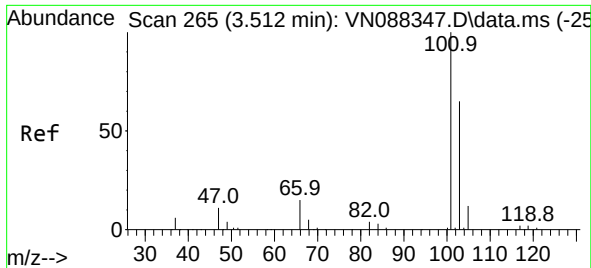
Reviewed By :John Carlone 12/05/2025
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#6
Chloroethane
Concen: 18.674 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN088440.D
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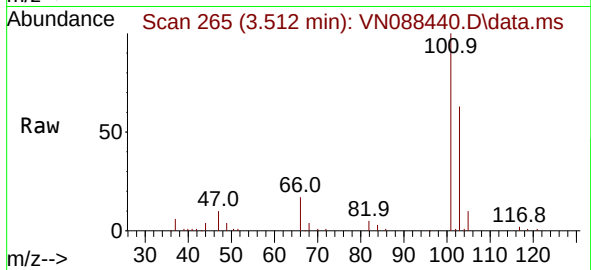
Tgt Ion: 64 Resp: 53960
Ion Ratio Lower Upper
64 100
66 36.5 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 19.392 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088440.D
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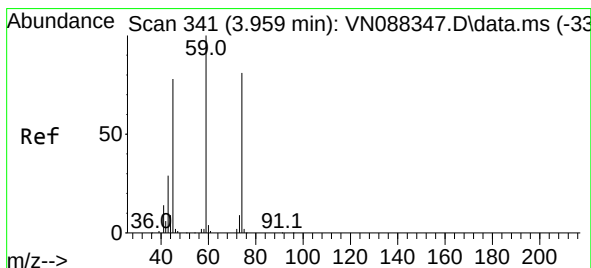
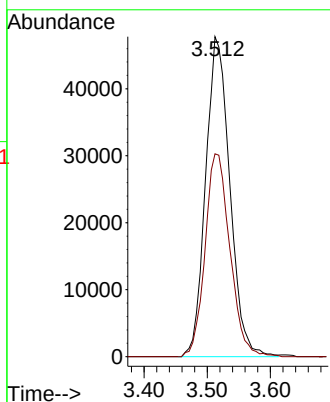
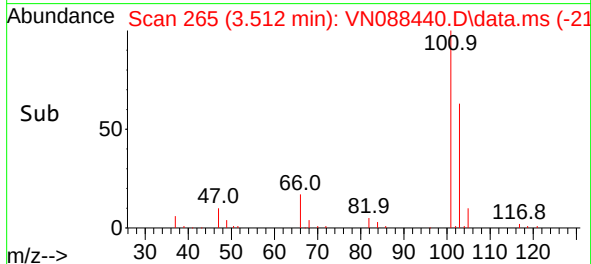
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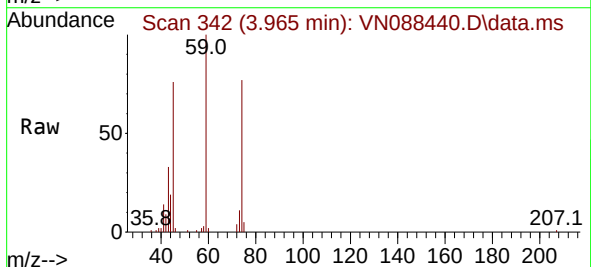
Tgt Ion:101 Resp: 12726
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.3 78.5

Manual Integrations
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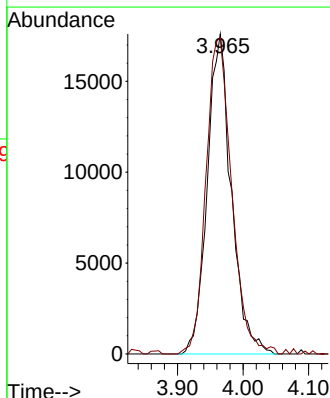
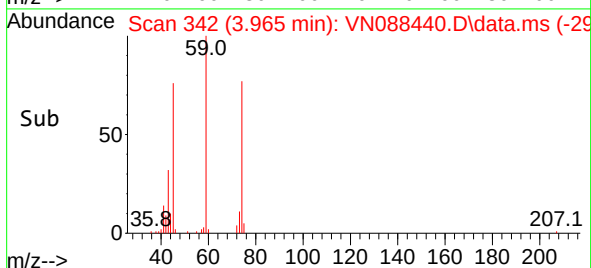
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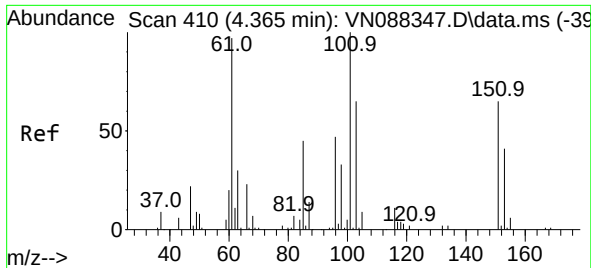


#8
 Diethyl Ether
 Concen: 18.204 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
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Tgt Ion: 74 Resp: 44841
 Ion Ratio Lower Upper
 74 100
 45 106.2 54.2 162.6





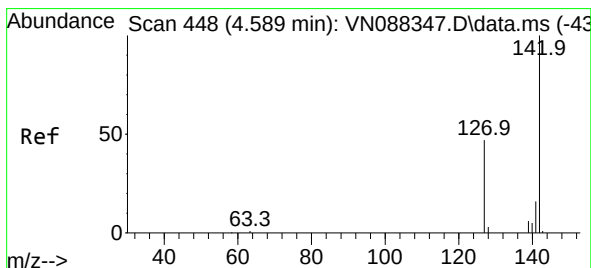
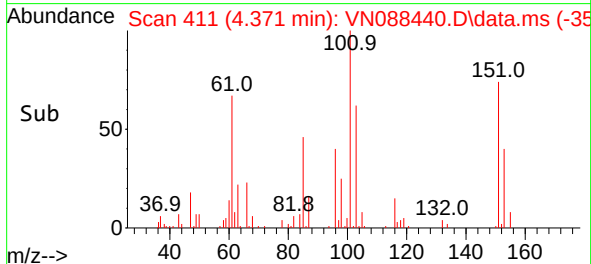
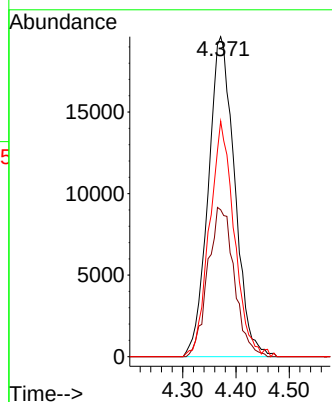
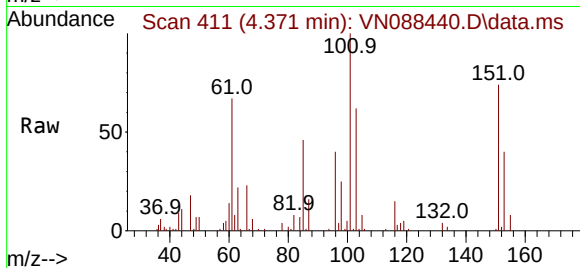
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.310 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion:101 Resp: 67464
Ion Ratio Lower Upper
101 100
85 46.7 39.2 58.8
151 69.2 53.6 80.4

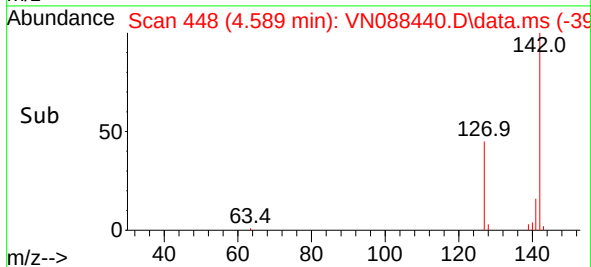
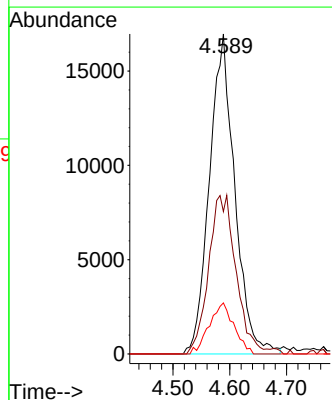
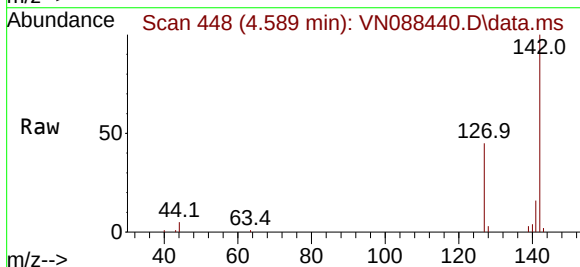
Manual Integrations
APPROVED

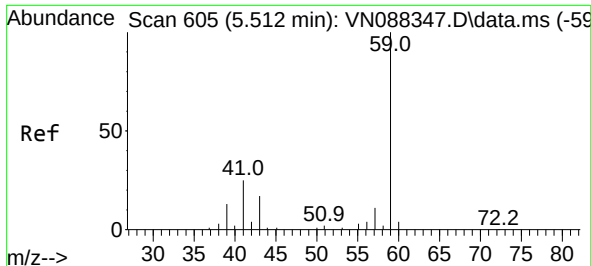
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#10
Methyl Iodide
Concen: 15.211 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

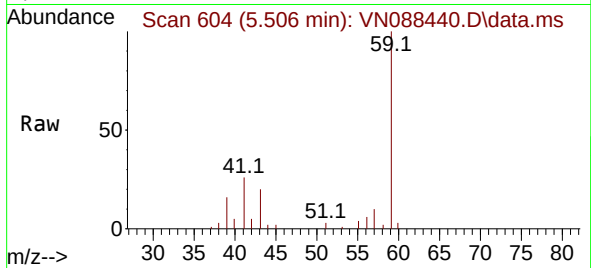
Tgt Ion:142 Resp: 52610
Ion Ratio Lower Upper
142 100
127 44.5 37.9 56.9
141 16.0 12.4 18.6





#11
Tert butyl alcohol
Concen: 81.964 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

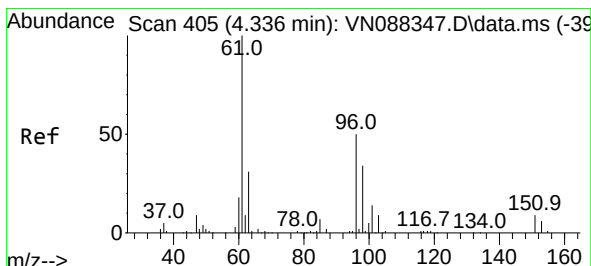
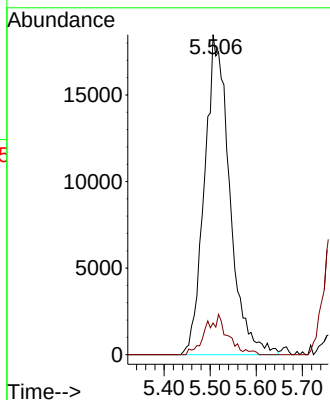
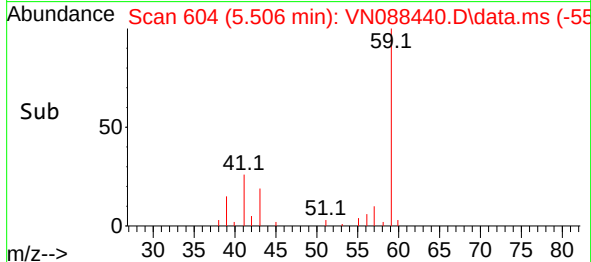
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



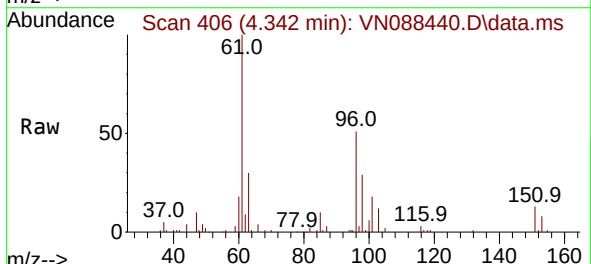
Tgt Ion: 59 Resp: 70139
Ion Ratio Lower Upper
59 100
57 4.0 8.5 12.7

Manual Integrations
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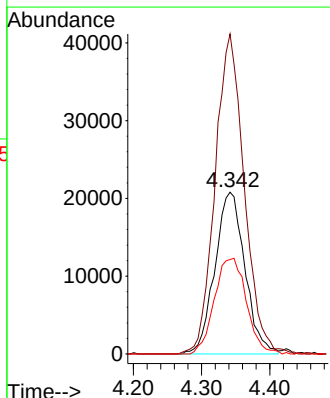
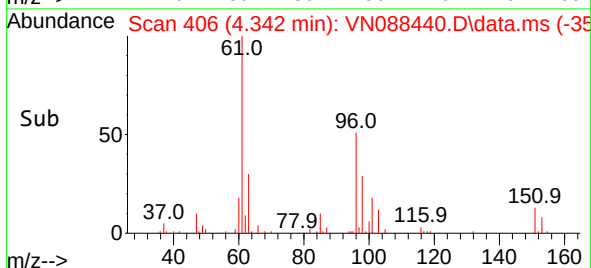
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

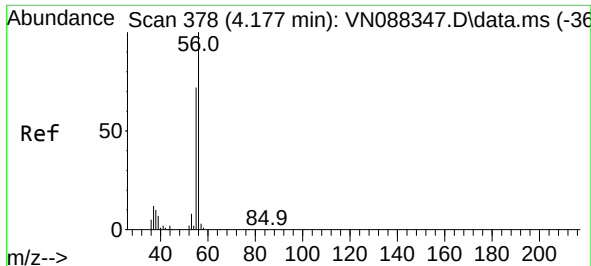


#12
1,1-Dichloroethene
Concen: 18.357 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion: 96 Resp: 63720
Ion Ratio Lower Upper
96 100
61 197.7 159.1 238.7
98 58.3 53.7 80.5





#13

Acrolein

Concen: 86.750 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 56 Resp: 7107

Ion Ratio Lower Upper

56 100

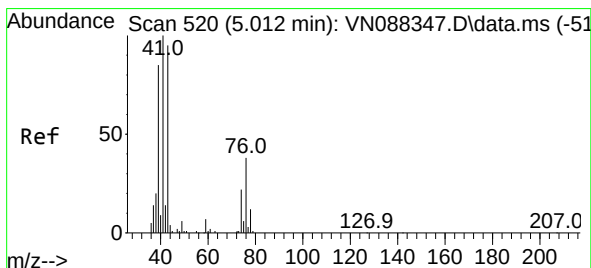
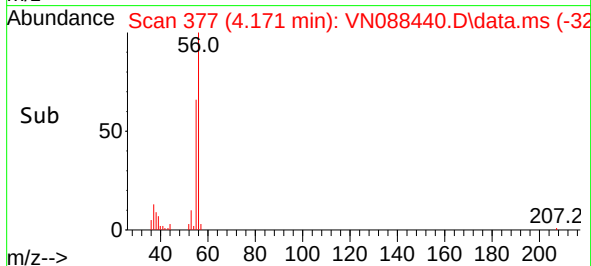
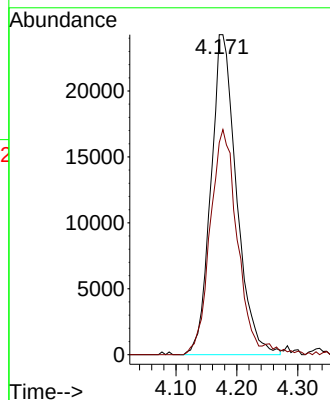
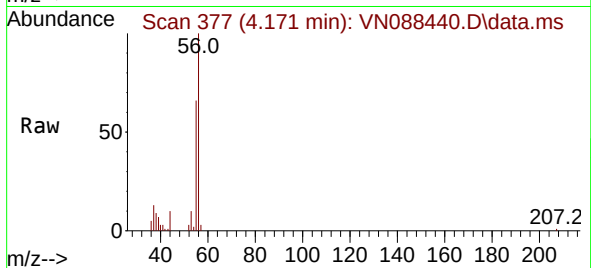
55 73.2 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#14

Allyl chloride

Concen: 17.455 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

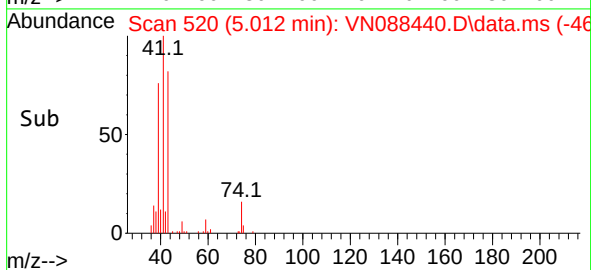
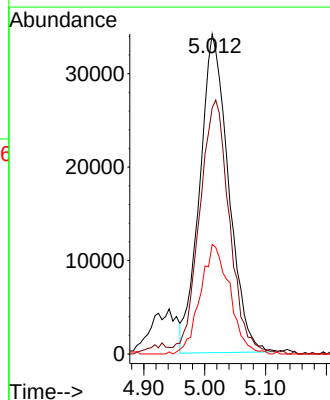
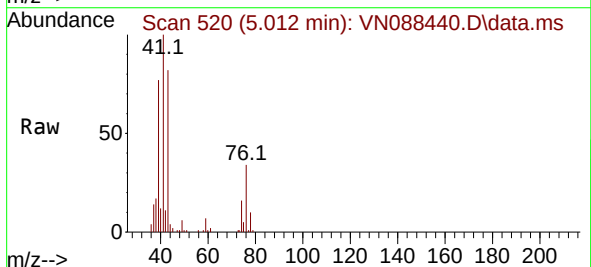
Tgt Ion: 41 Resp: 112303

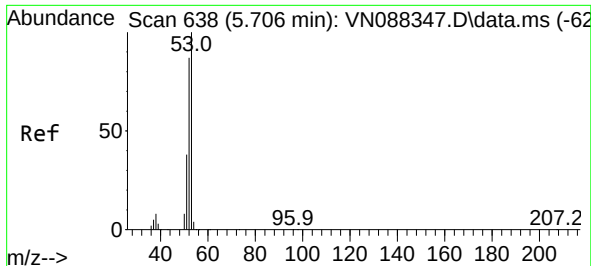
Ion Ratio Lower Upper

41 100

39 81.5 64.7 97.1

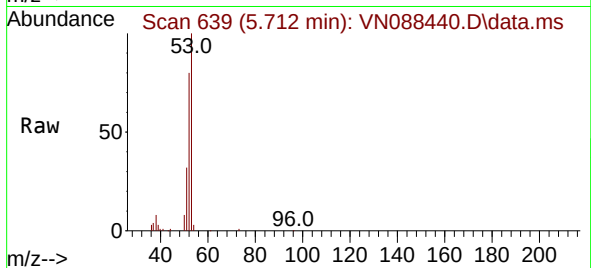
76 35.3 29.1 43.7





#15
Acrylonitrile
Concen: 88.922 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

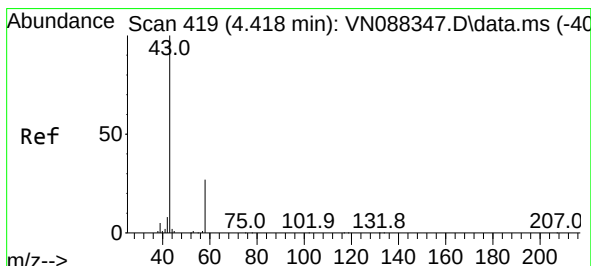
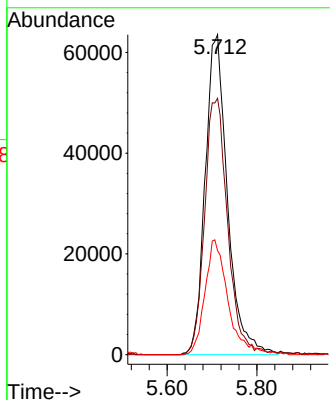
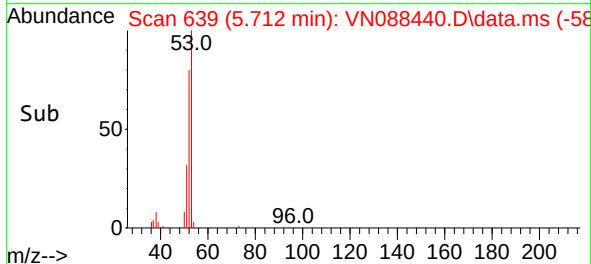
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



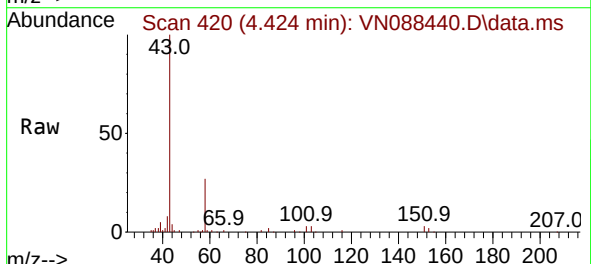
Tgt Ion: 53 Resp: 21954
Ion Ratio Lower Upper
53 100
52 82.4 67.8 101.6
51 37.3 29.8 44.8

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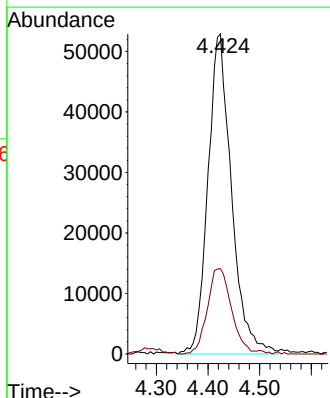
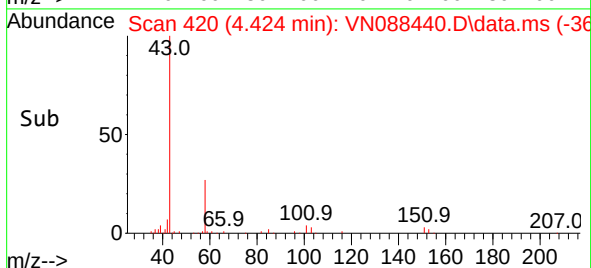
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

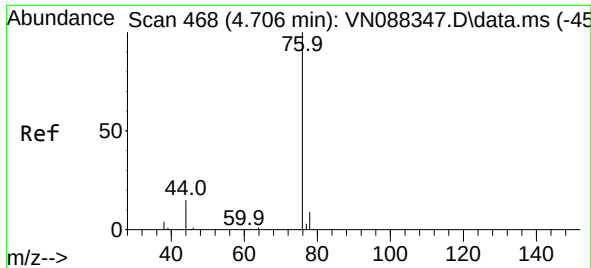


#16
Acetone
Concen: 86.337 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion: 43 Resp: 167355
Ion Ratio Lower Upper
43 100
58 26.7 21.7 32.5





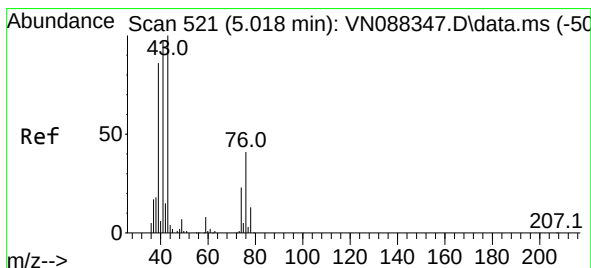
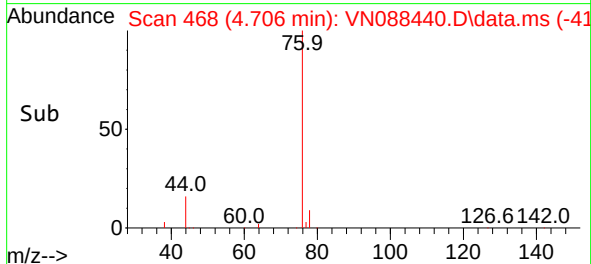
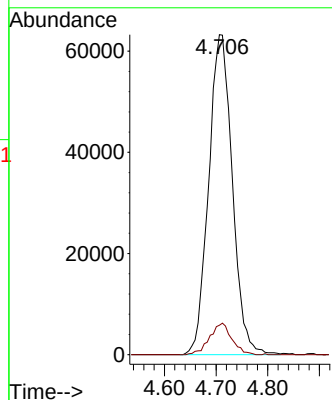
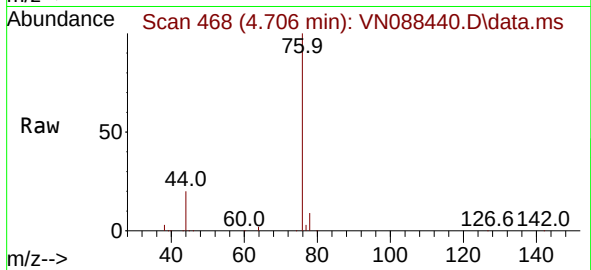
#17
Carbon Disulfide
Concen: 17.762 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion: 76 Resp: 20147
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

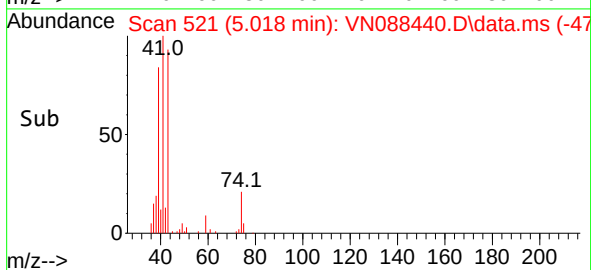
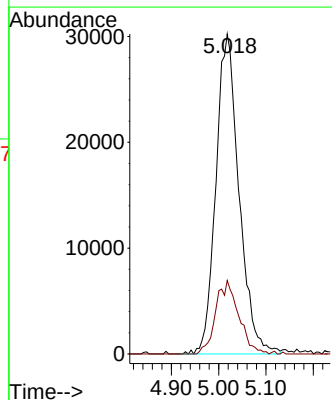
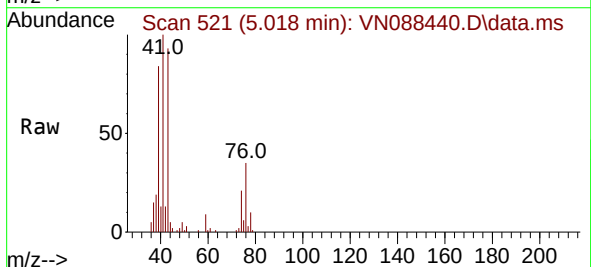
Manual Integrations
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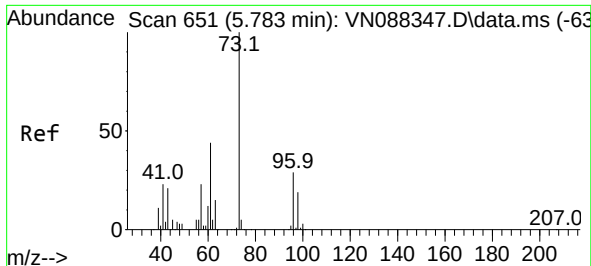
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#18
Methyl Acetate
Concen: 17.777 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion: 43 Resp: 102572
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9





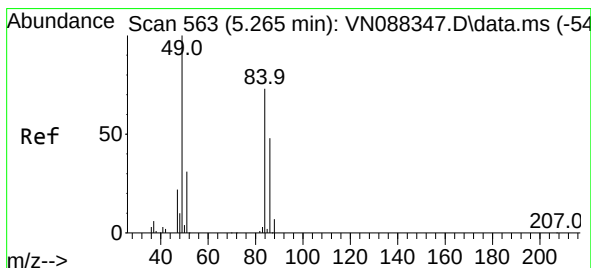
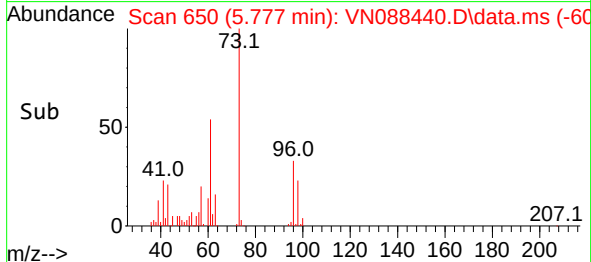
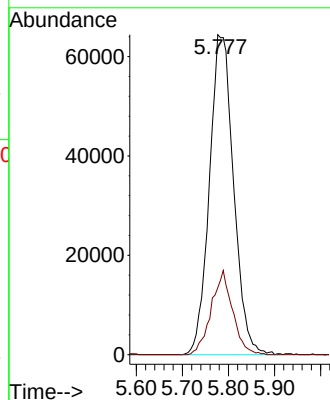
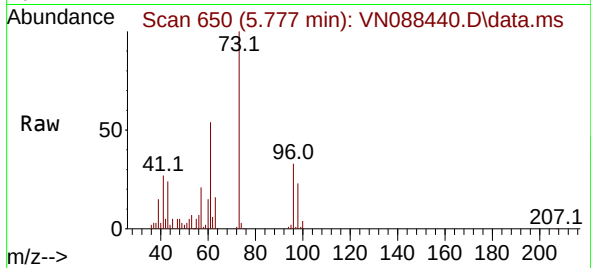
#19
Methyl tert-butyl Ether
Concen: 18.066 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion: 73 Resp: 234952
Ion Ratio Lower Upper
73 100
57 21.0 18.6 28.0

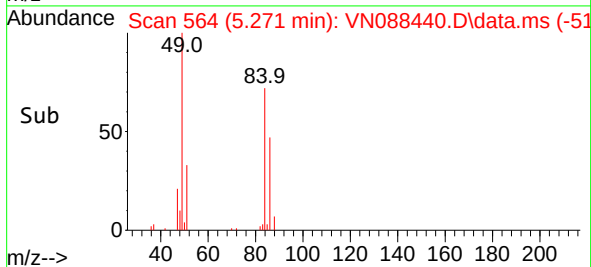
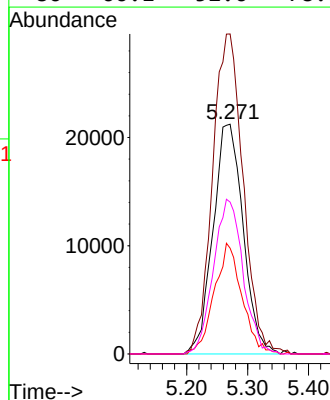
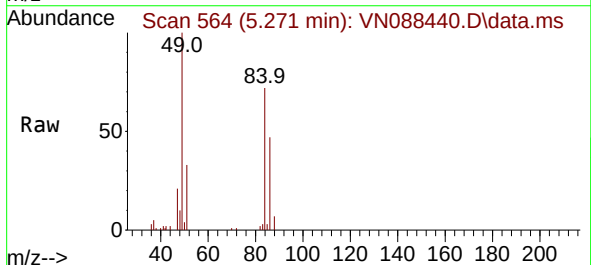
Manual Integrations
APPROVED

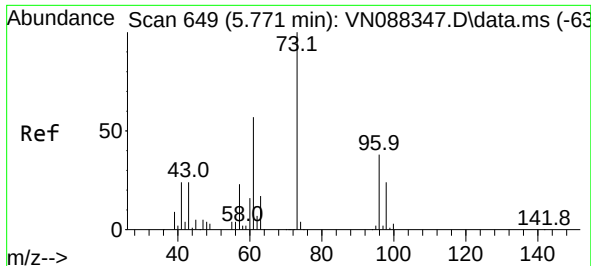
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#20
Methylene Chloride
Concen: 17.549 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion: 84 Resp: 72781
Ion Ratio Lower Upper
84 100
49 139.3 110.2 165.2
51 46.0 34.1 51.1
86 66.1 52.6 78.8





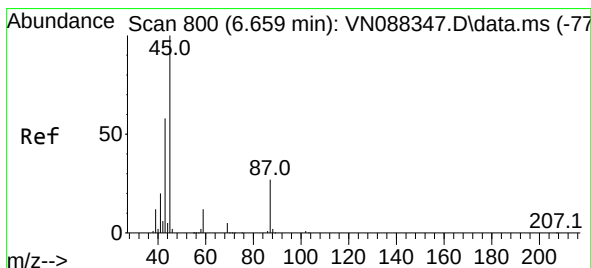
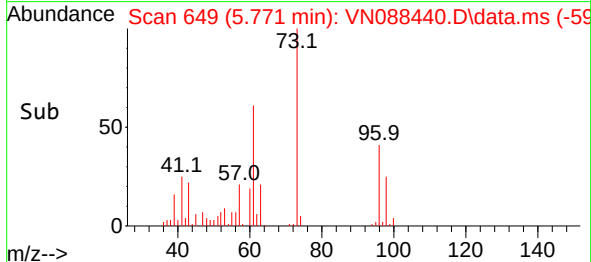
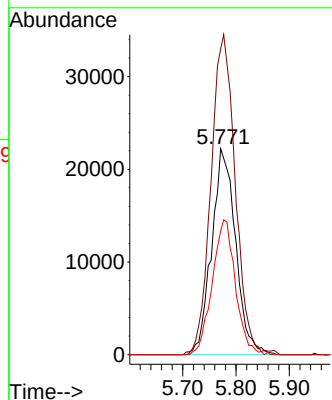
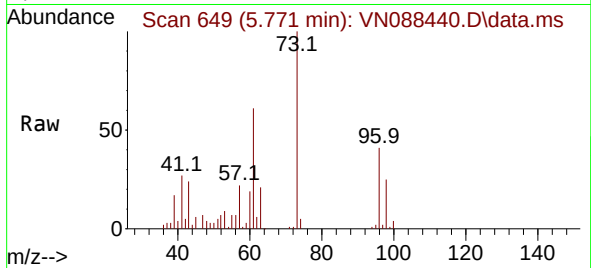
#21
trans-1,2-Dichloroethene
Concen: 18.075 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion: 96 Resp: 6950
Ion Ratio Lower Upper
96 100
61 148.6 122.4 183.6
98 60.2 50.9 76.3

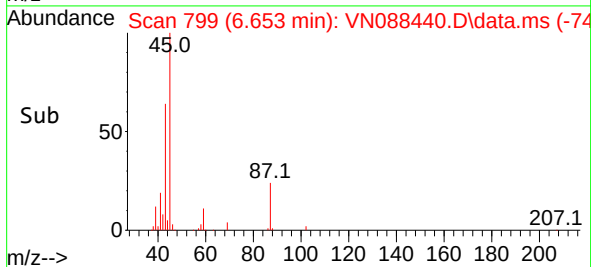
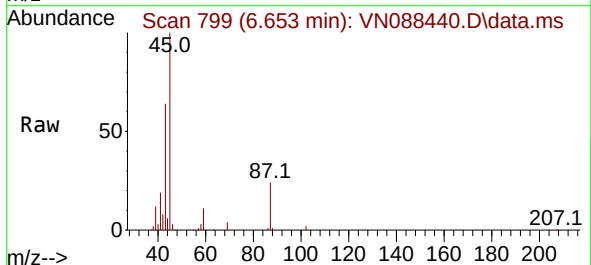
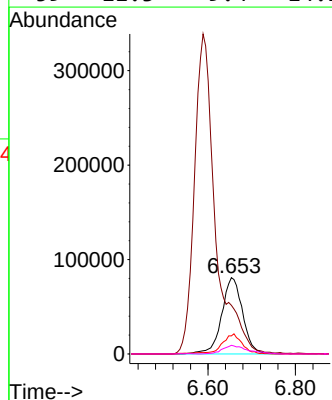
Manual Integrations
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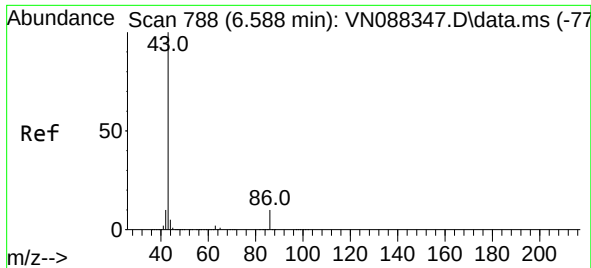
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#22
Diisopropyl ether
Concen: 19.451 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

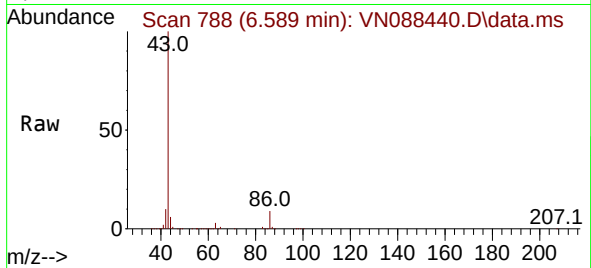
Tgt Ion: 45 Resp: 267174
Ion Ratio Lower Upper
45 100
43 62.1 47.4 71.2
87 23.8 21.9 32.9
59 11.3 9.4 14.2





#23
 Vinyl Acetate
 Concen: 102.288 ug/l
 RT: 6.589 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

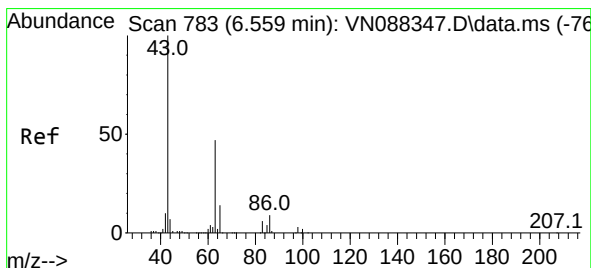
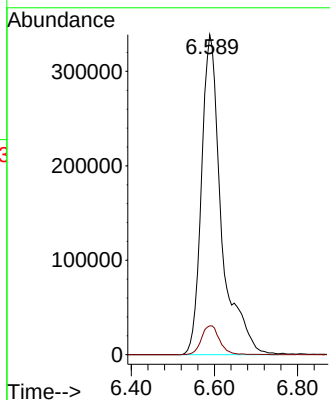
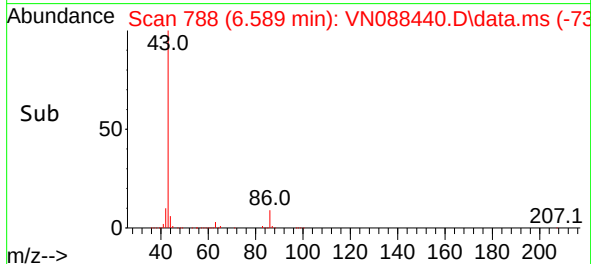
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01



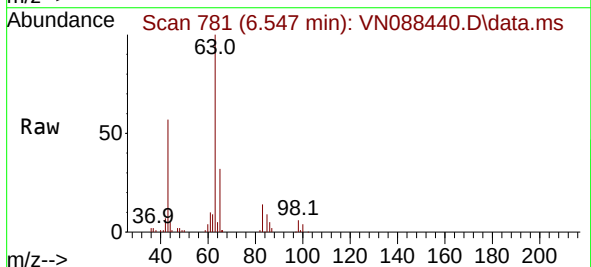
Tgt Ion: 43 Resp: 113201
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.8 11.8

Manual Integrations
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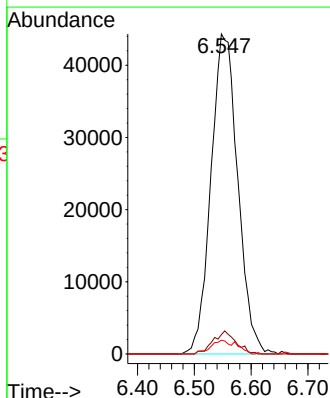
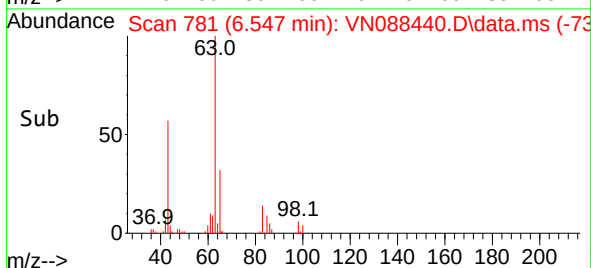
Reviewed By :John Carlone 12/05/2025
 Supervised By :Semsettin Yesilyurt 12/05/2025

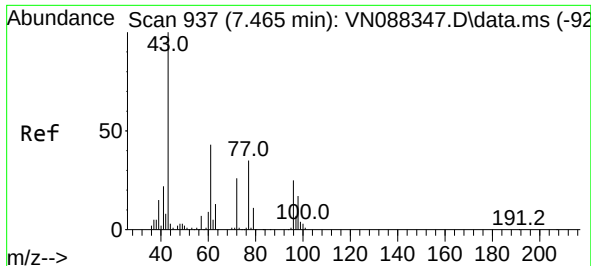


#24
 1,1-Dichloroethane
 Concen: 18.677 ug/l
 RT: 6.547 min Scan# 781
 Delta R.T. -0.012 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11



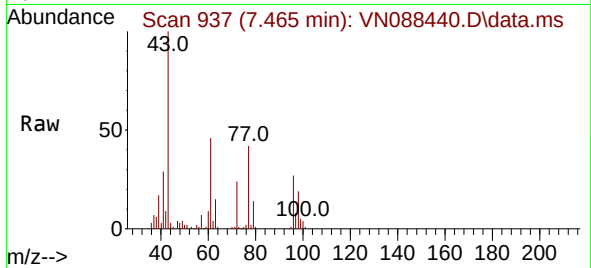
Tgt Ion: 63 Resp: 145286
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 4.3 1.9 5.7





#25
2-Butanone
Concen: 88.870 ug/l
RT: 7.465 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

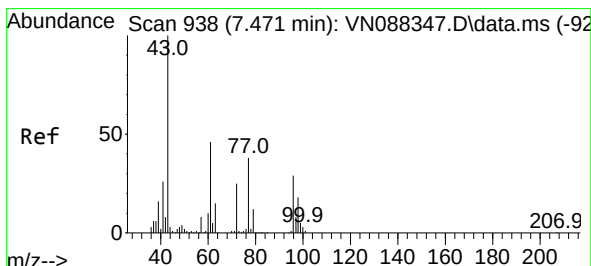
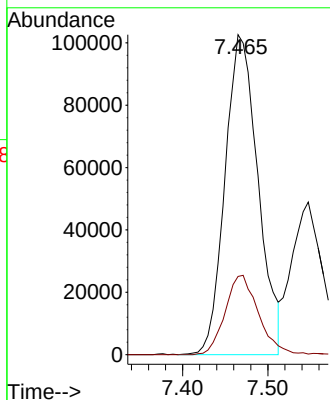
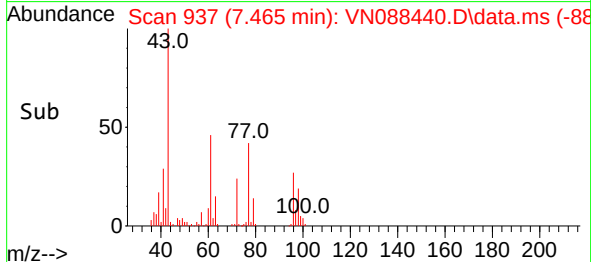
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



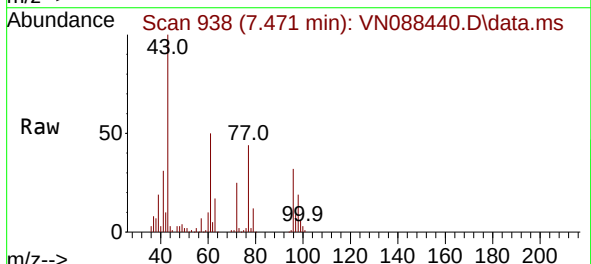
Tgt Ion: 43 Resp: 276930
Ion Ratio Lower Upper
43 100
72 24.5 20.5 30.7

Manual Integrations
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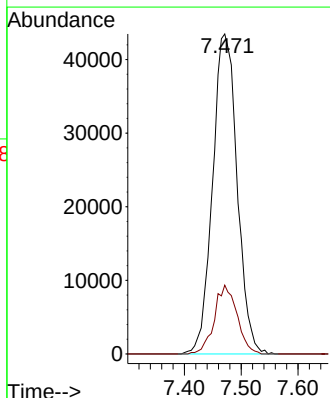
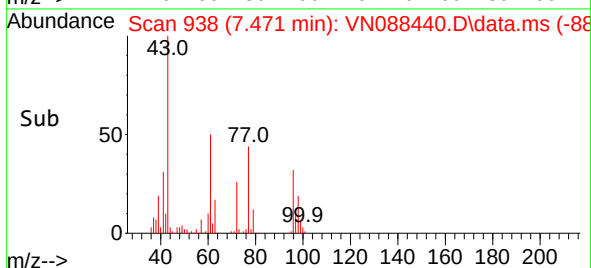
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

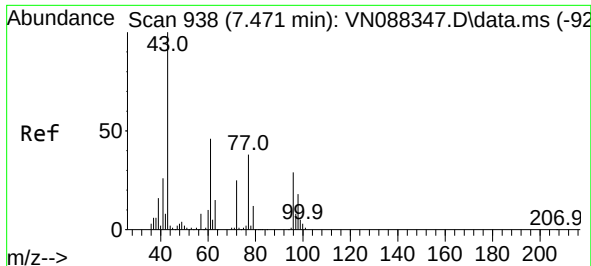


#26
2,2-Dichloropropane
Concen: 19.456 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion: 77 Resp: 130633
Ion Ratio Lower Upper
77 100
97 19.9 10.3 30.9





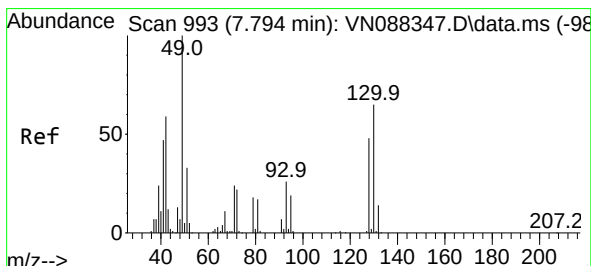
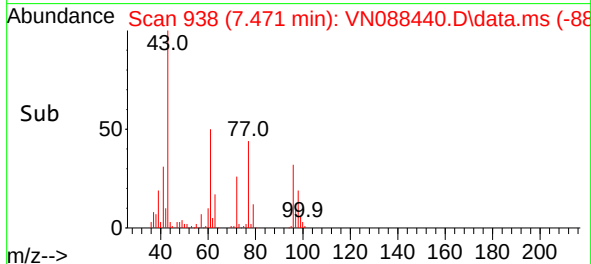
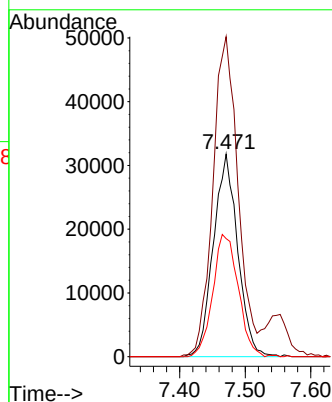
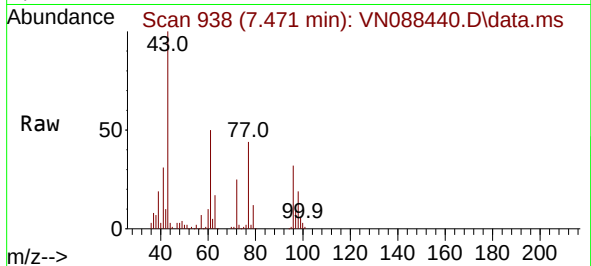
#27
 cis-1,2-Dichloroethene
 Concen: 18.302 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tgt Ion: 96 Resp: 81789
 Ion Ratio Lower Upper
 96 100
 61 162.8 0.0 323.6
 98 63.2 0.0 127.2

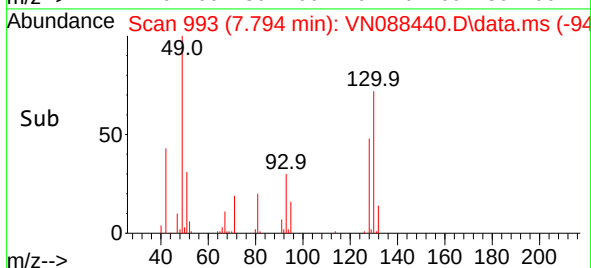
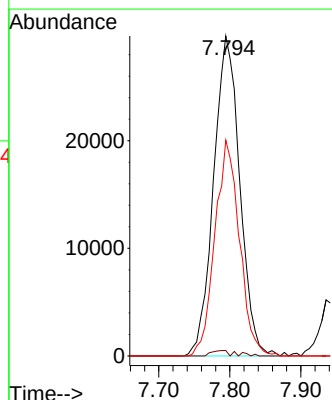
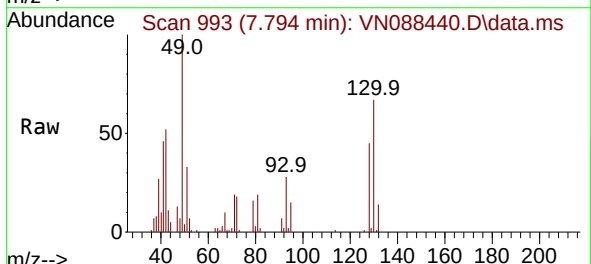
Manual Integrations
 APPROVED

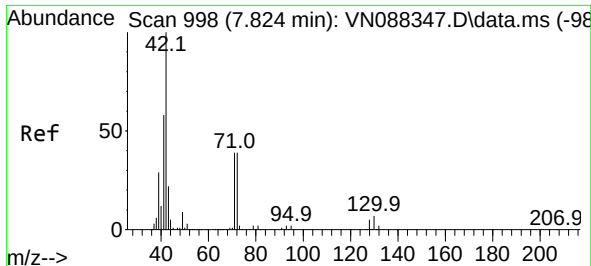
Reviewed By :John Carlone 12/05/2025
 Supervised By :Semsettin Yesilyurt 12/05/2025



#28
 Bromochloromethane
 Concen: 19.618 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

Tgt Ion: 49 Resp: 76021
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 3.6
 130 63.3 51.1 76.7





#29

Tetrahydrofuran

Concen: 89.627 ug/l

RT: 7.824 min Scan# 998

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 42 Resp: 20033

Ion Ratio Lower Upper

42 100

72 39.1 32.2 48.4

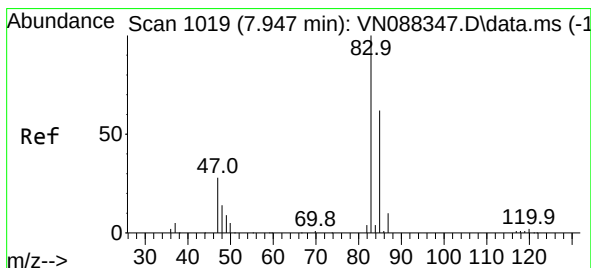
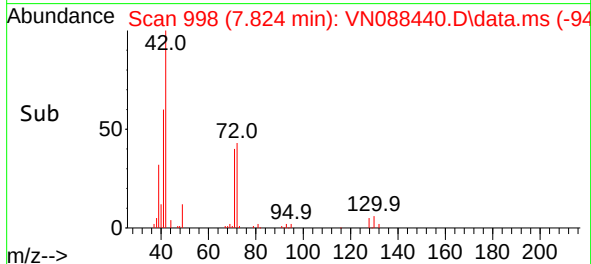
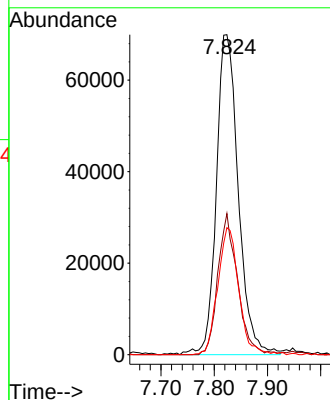
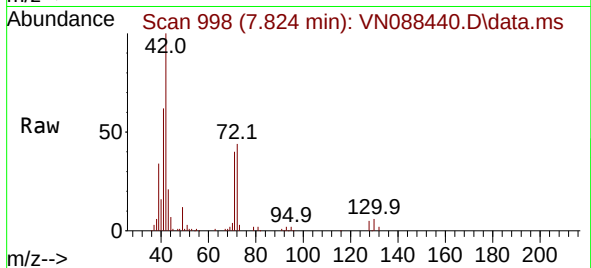
71 37.8 31.1 46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#30

Chloroform

Concen: 19.712 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN088440.D

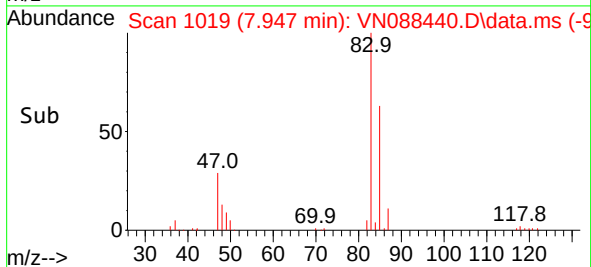
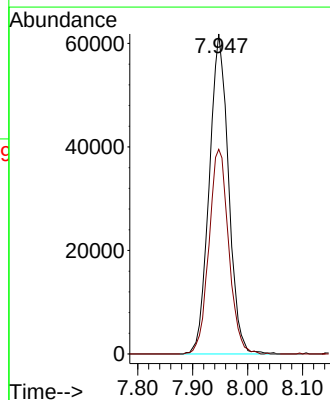
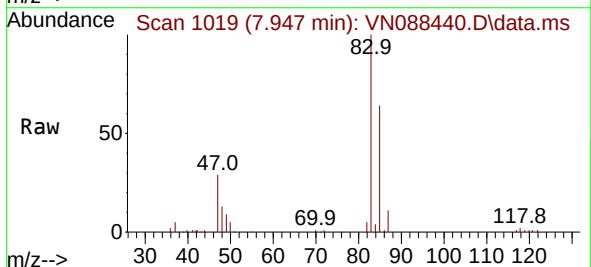
Acq: 04 Dec 2025 13:11

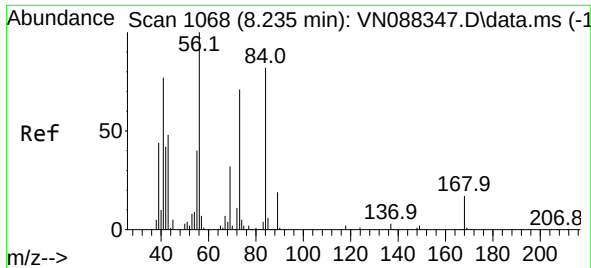
Tgt Ion: 83 Resp: 150669

Ion Ratio Lower Upper

83 100

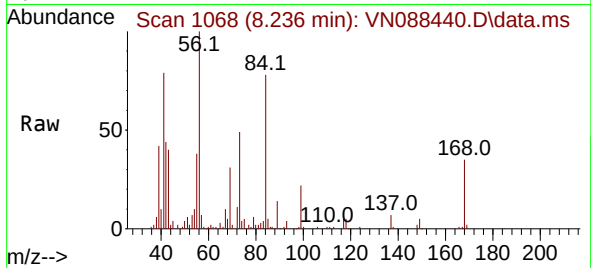
85 64.0 49.8 74.8





#31
Cyclohexane
Concen: 18.621 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

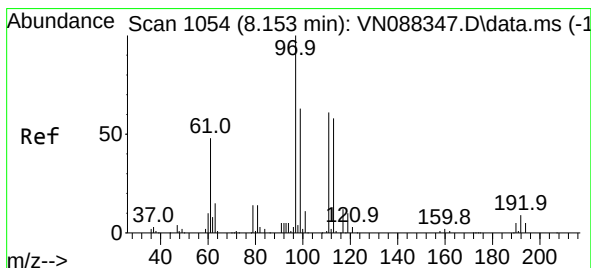
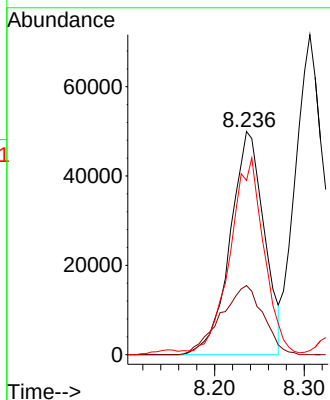
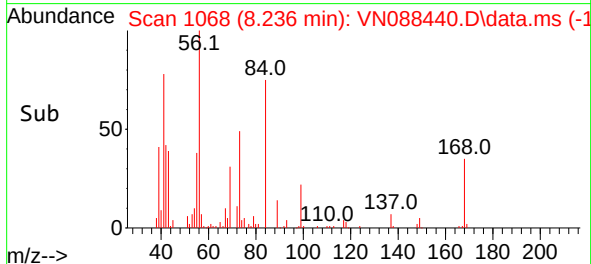
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



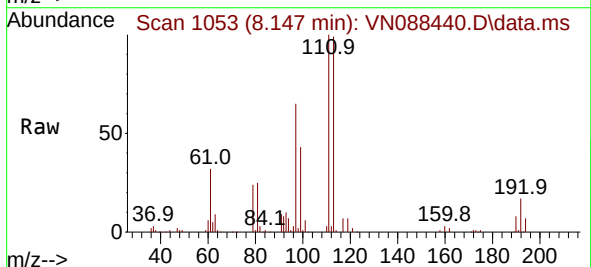
Tgt Ion: 56 Resp: 13126
Ion Ratio Lower Upper
56 100
69 31.0 25.3 37.9
84 76.5 65.4 98.2

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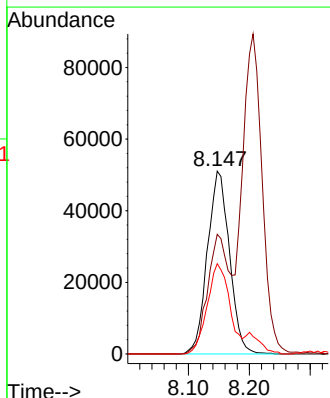
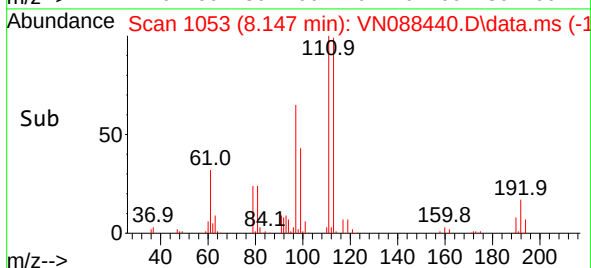
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

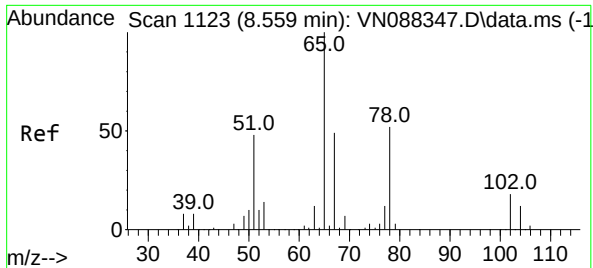


#32
1,1,1-Trichloroethane
Concen: 19.153 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion: 97 Resp: 128719
Ion Ratio Lower Upper
97 100
99 62.7 50.8 76.2
61 50.3 42.2 63.2





#33

1,2-Dichloroethane-d4

Concen: 54.627 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 65 Resp: 292790

Ion Ratio Lower Upper

65 100

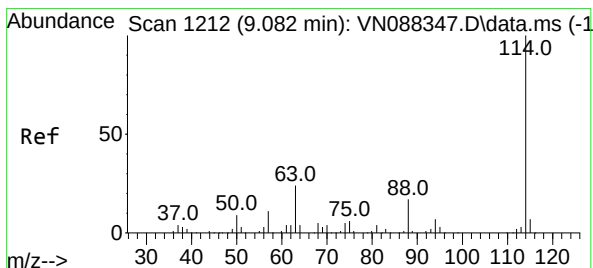
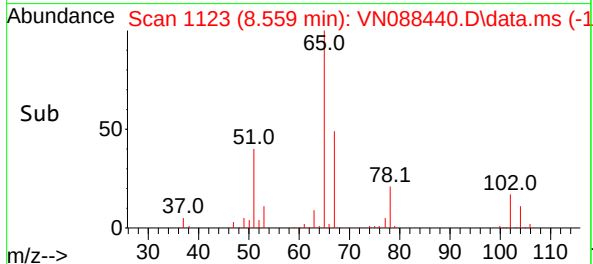
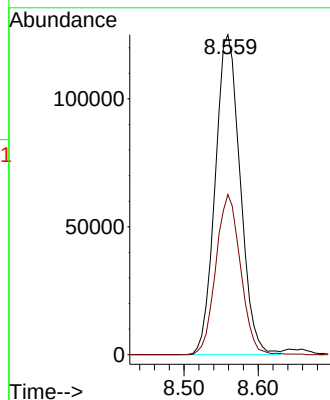
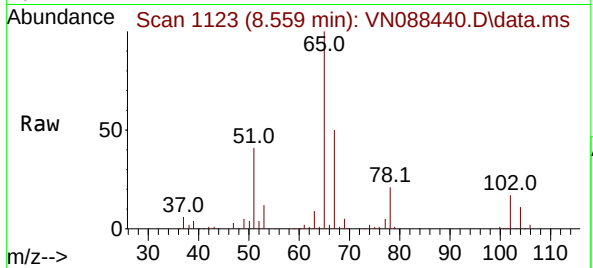
67 49.6 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

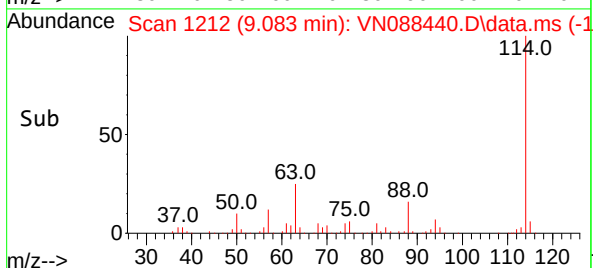
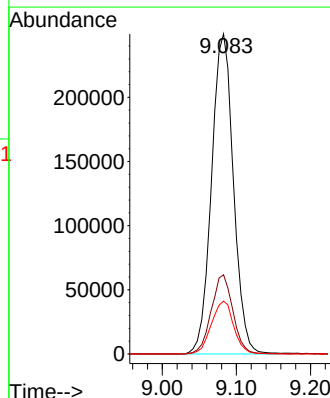
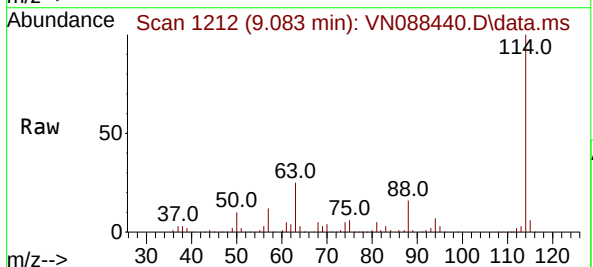
Tgt Ion:114 Resp: 511804

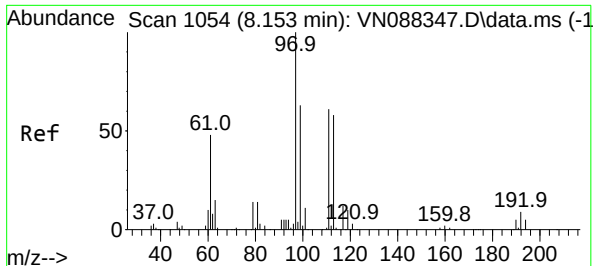
Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.0

88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 53.896 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 113 Resp: 19115

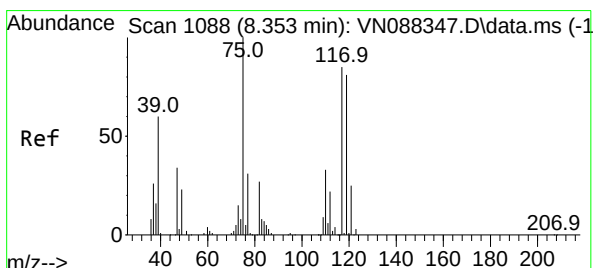
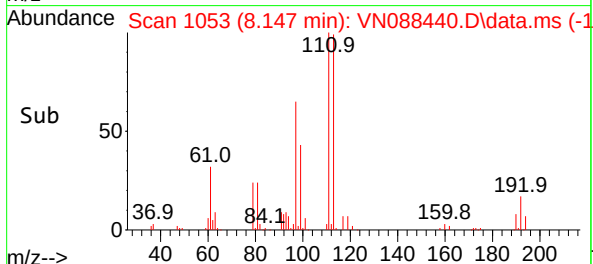
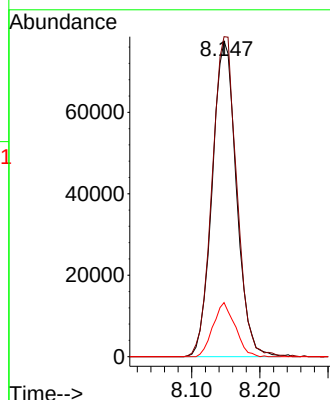
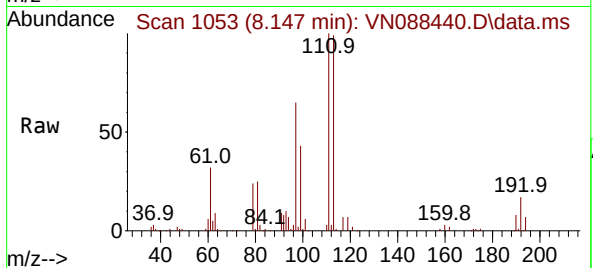
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.5	123.7
192	15.7	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#36

1,1-Dichloropropene

Concen: 18.669 ug/l

RT: 8.353 min Scan# 1088

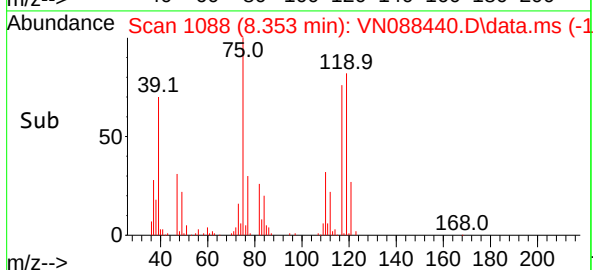
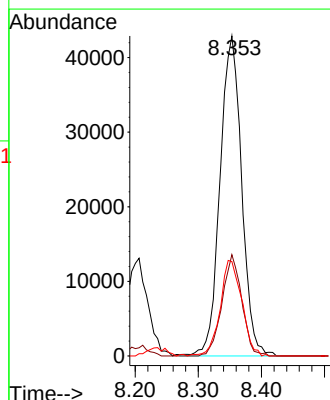
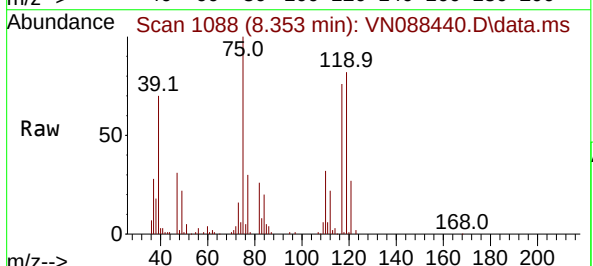
Delta R.T. 0.000 min

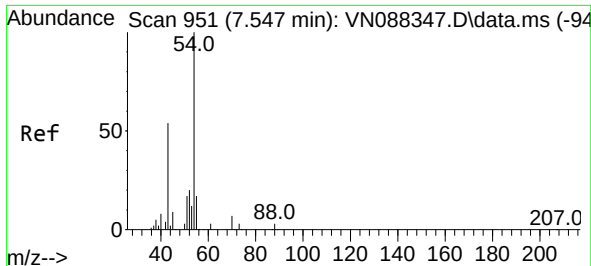
Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Tgt Ion: 75 Resp: 102190

Ion	Ratio	Lower	Upper
75	100		
110	28.9	15.8	47.4
77	29.8	24.2	36.2





#37

Ethyl Acetate

Concen: 18.039 ug/l

RT: 7.547 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 43 Resp: 12983

Ion Ratio Lower Upper

43 100

61 12.0 9.5 14.3

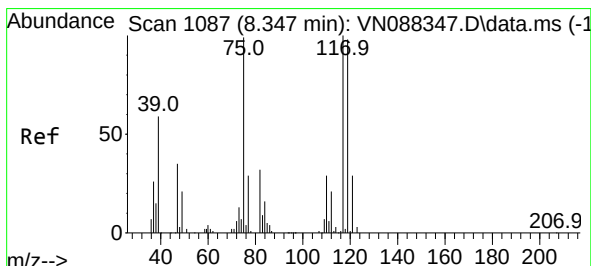
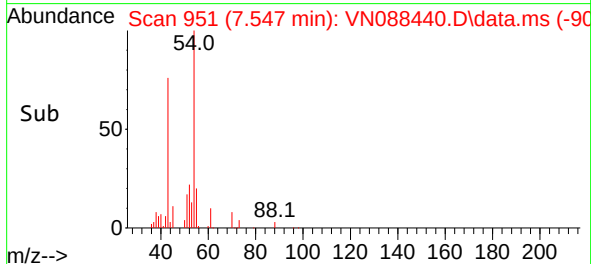
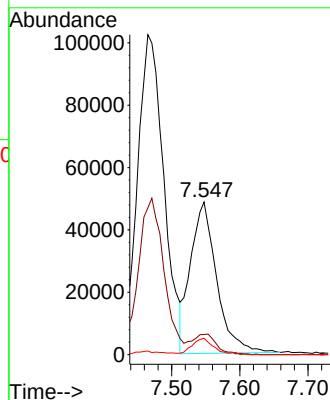
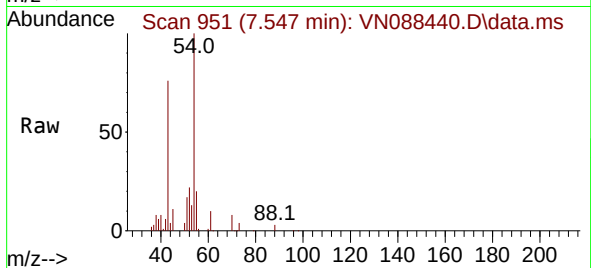
70 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#38

Carbon Tetrachloride

Concen: 19.839 ug/l

RT: 8.341 min Scan# 1086

Delta R.T. -0.006 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

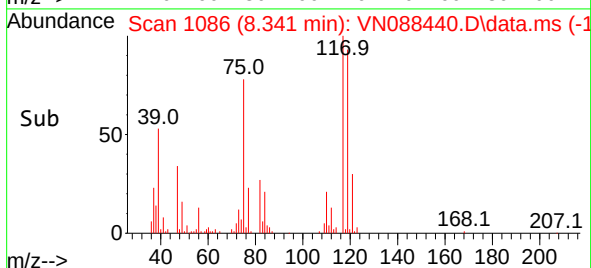
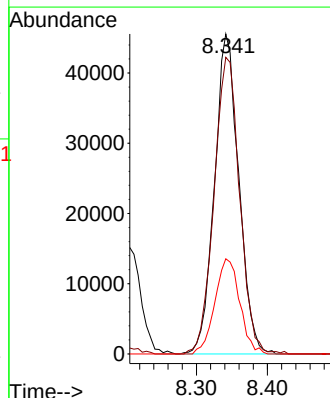
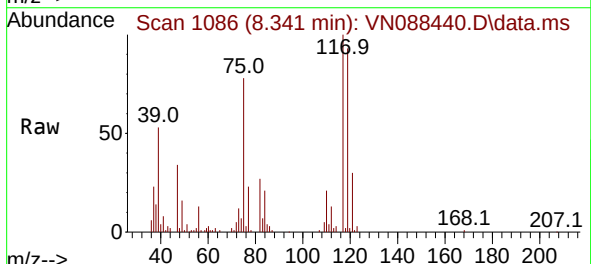
Tgt Ion:117 Resp: 108103

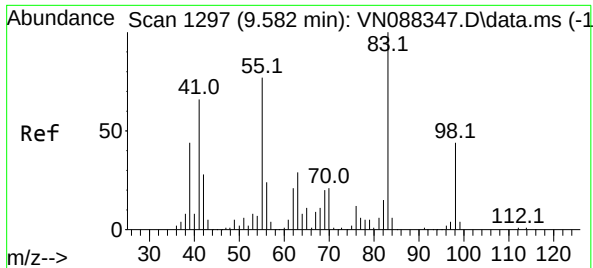
Ion Ratio Lower Upper

117 100

119 92.7 78.2 117.4

121 29.7 23.4 35.2





#39

Methylcyclohexane

Concen: 17.706 ug/l

RT: 9.577 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 83 Resp: 10366

Ion Ratio Lower Upper

83 100

55 83.3 61.6 92.4

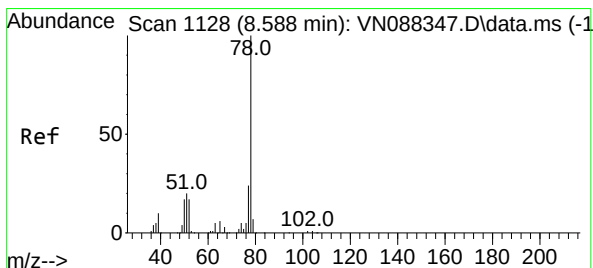
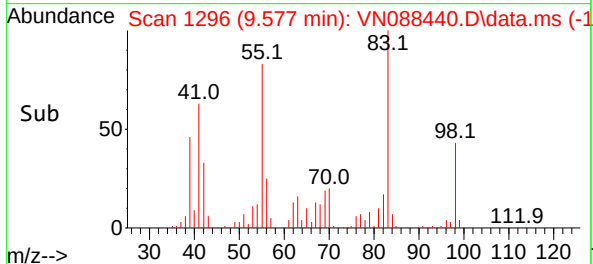
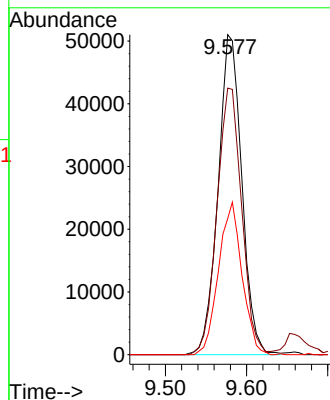
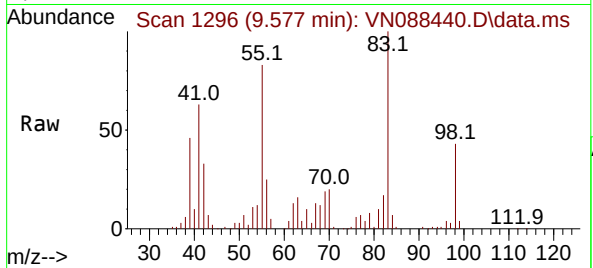
98 42.6 35.3 52.9

Manual Integrations

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Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#40

Benzene

Concen: 18.794 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN088440.D

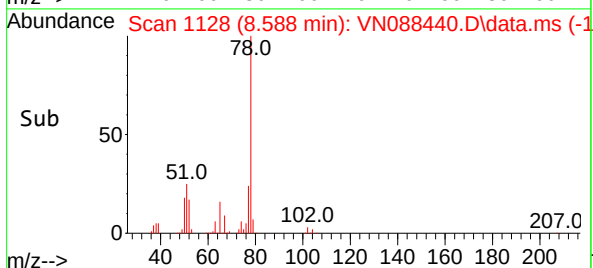
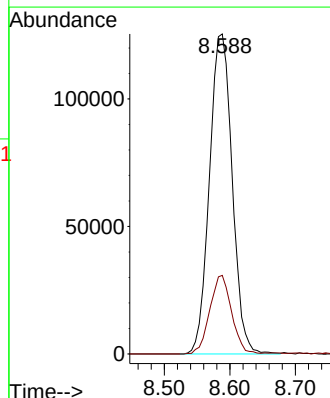
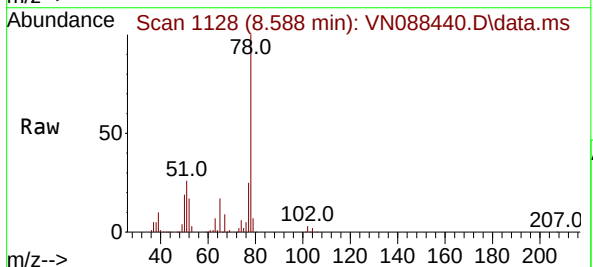
Acq: 04 Dec 2025 13:11

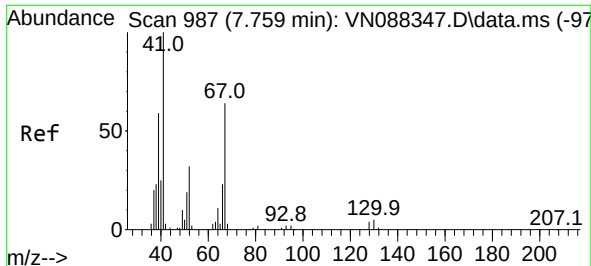
Tgt Ion: 78 Resp: 301936

Ion Ratio Lower Upper

78 100

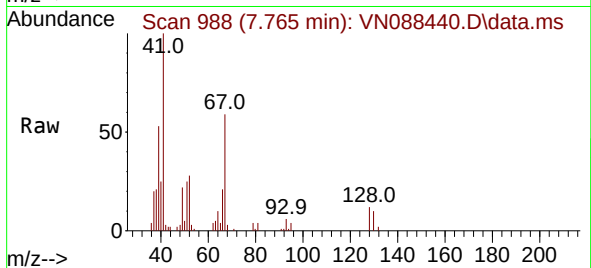
77 24.5 19.0 28.4





#41
Methacrylonitrile
Concen: 17.170 ug/l
RT: 7.765 min Scan# 987
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

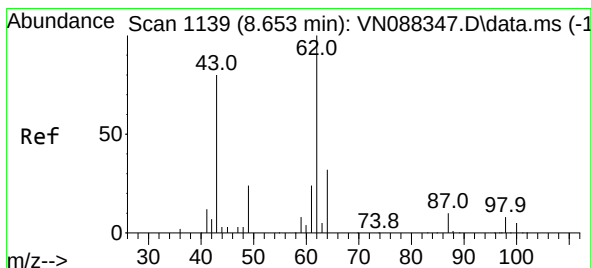
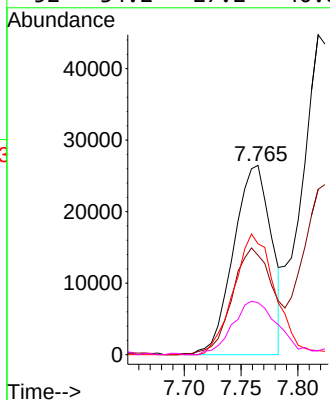
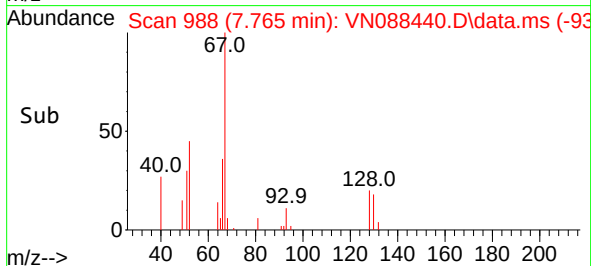
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion: 41 Resp: 6120
Ion Ratio Lower Upper
41 100
39 62.1 46.3 69.5
67 69.9 54.7 82.1
52 34.2 27.2 40.8

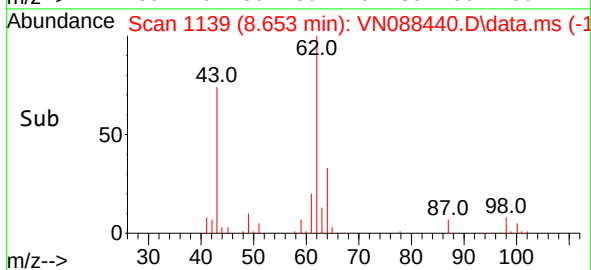
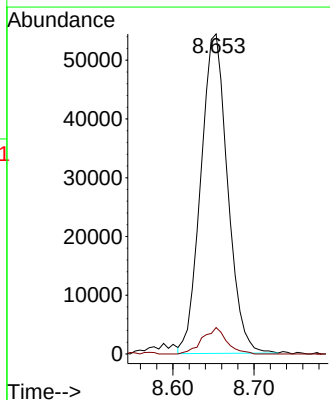
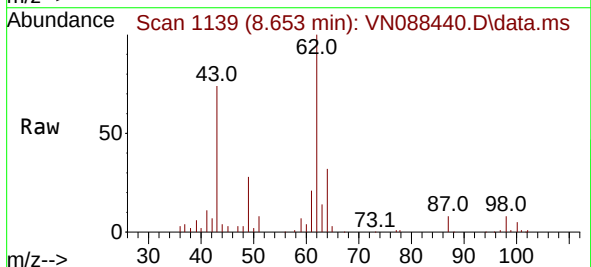
Manual Integrations
APPROVED

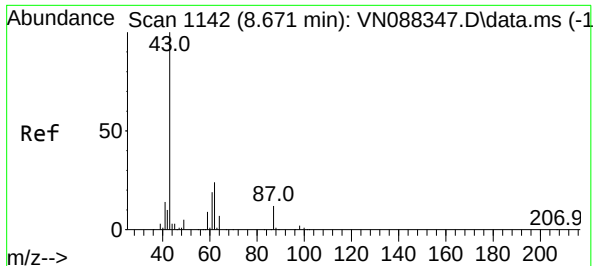
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#42
1,2-Dichloroethane
Concen: 20.393 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

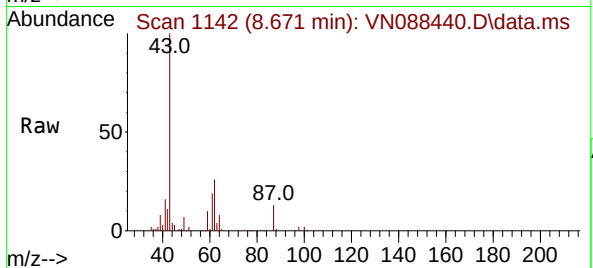
Tgt Ion: 62 Resp: 125001
Ion Ratio Lower Upper
62 100
98 7.4 0.0 16.2





#43
Isopropyl Acetate
Concen: 18.011 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

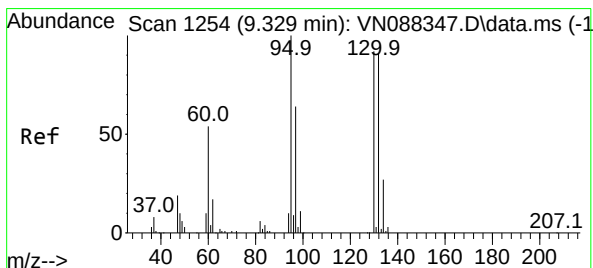
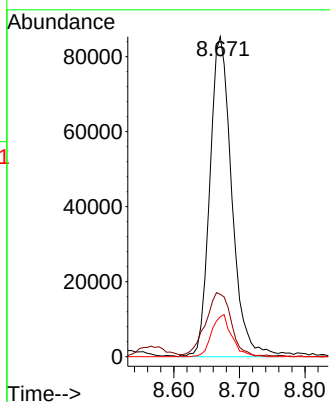
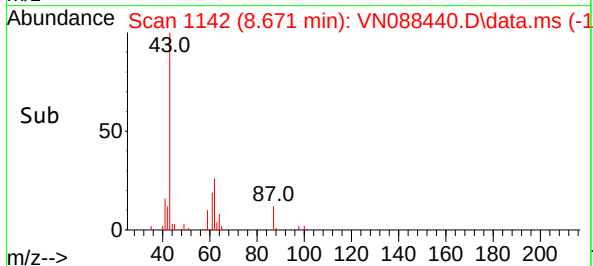
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion: 43 Resp: 19806
Ion Ratio Lower Upper
43 100
61 22.7 18.7 28.1
87 12.0 9.1 13.7

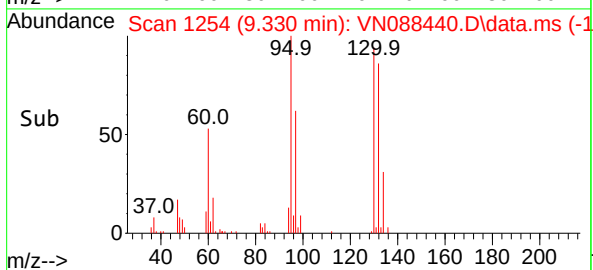
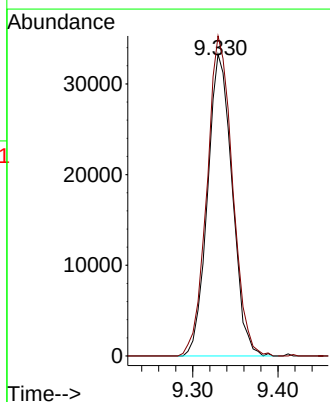
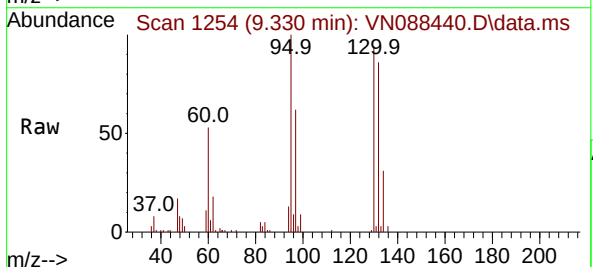
Manual Integrations
APPROVED

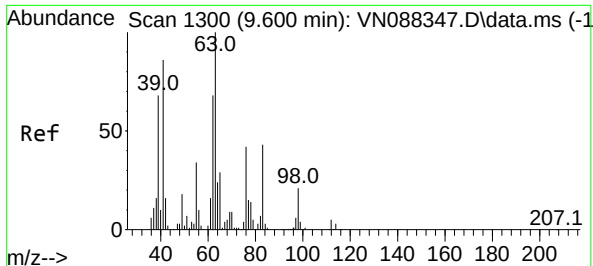
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#44
Trichloroethene
Concen: 17.601 ug/l
RT: 9.330 min Scan# 1254
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion:130 Resp: 66815
Ion Ratio Lower Upper
130 100
95 106.0 0.0 217.0





#45

1,2-Dichloropropane

Concen: 18.988 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 63 Resp: 7815

Ion Ratio Lower Upper

63 100

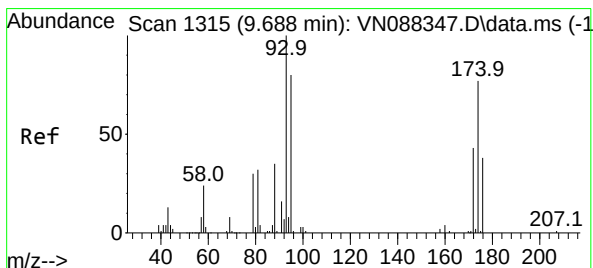
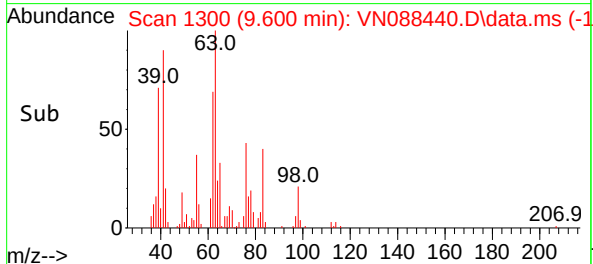
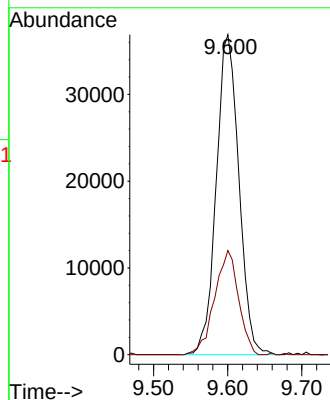
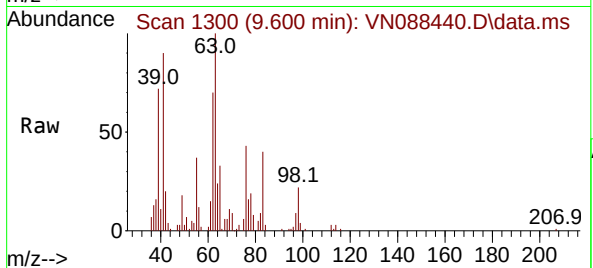
65 32.5 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#46

Dibromomethane

Concen: 19.689 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

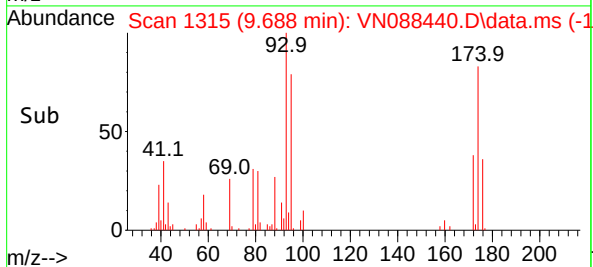
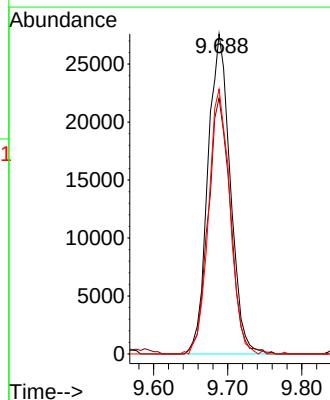
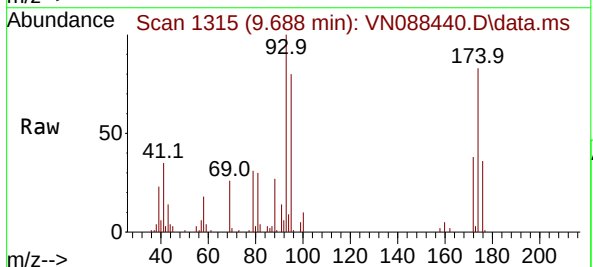
Tgt Ion: 93 Resp: 57836

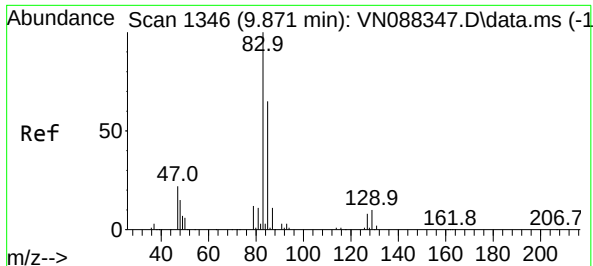
Ion Ratio Lower Upper

93 100

95 79.4 65.8 98.6

174 79.3 64.3 96.5





#47

Bromodichloromethane

Concen: 20.012 ug/l

RT: 9.865 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 83 Resp: 119940

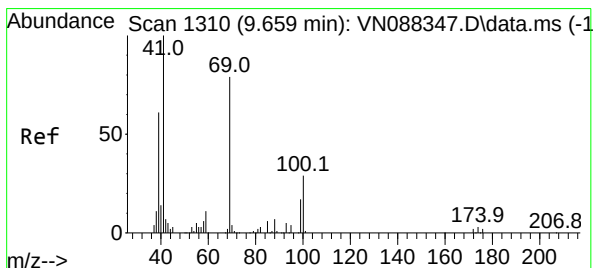
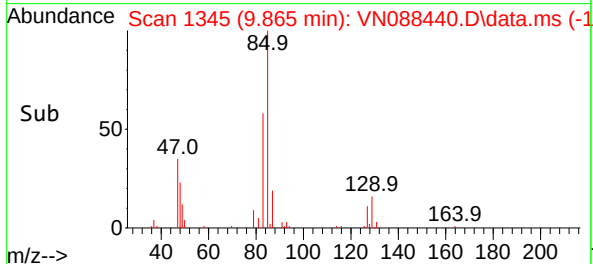
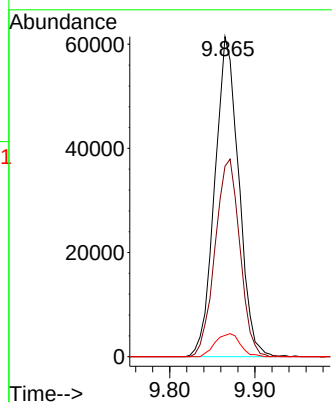
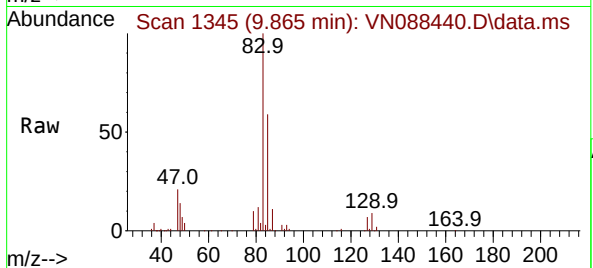
Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.9	77.9
127	6.7	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#48

Methyl methacrylate

Concen: 17.787 ug/l

RT: 9.659 min Scan# 1310

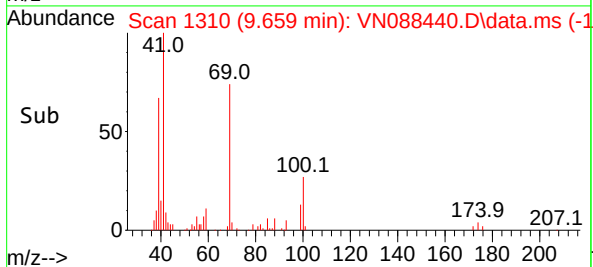
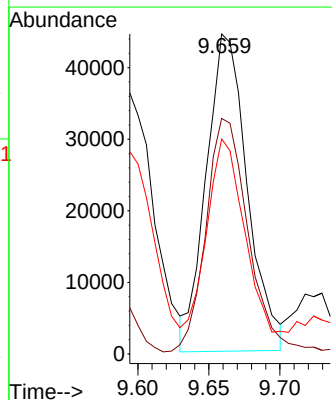
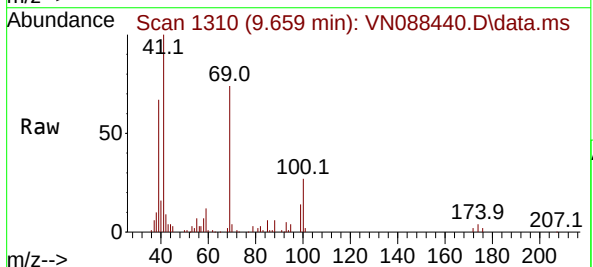
Delta R.T. 0.000 min

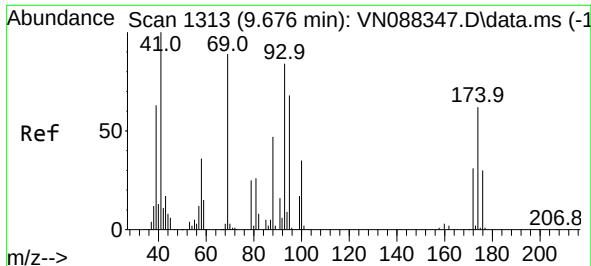
Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Tgt Ion: 41 Resp: 89246

Ion	Ratio	Lower	Upper
41	100		
69	76.8	62.4	93.6
39	67.8	52.6	79.0





#49

1,4-Dioxane

Concen: 363.052 ug/l

RT: 9.683 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 88 Resp: 2316

Ion Ratio Lower Upper

88 100

43 28.6 0.0 0.0

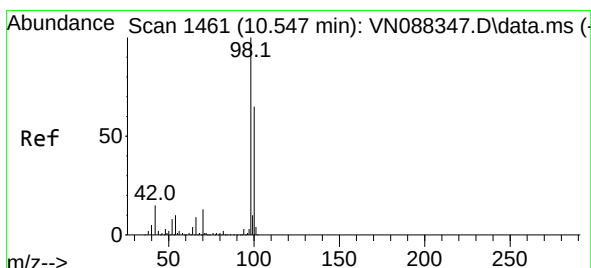
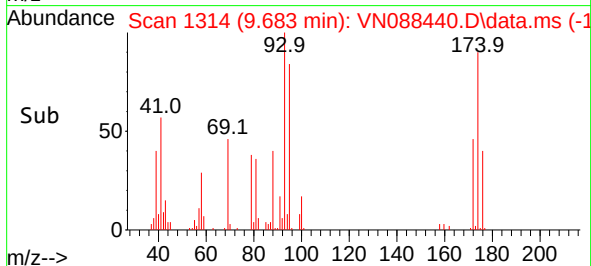
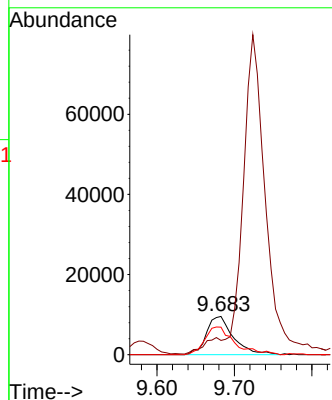
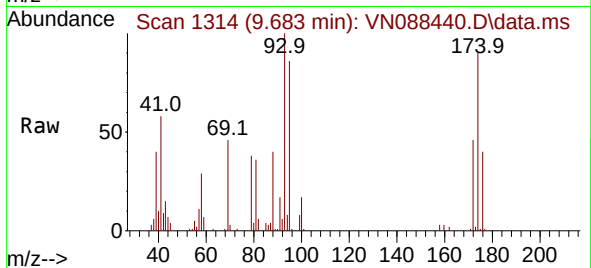
58 79.3 62.0 93.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#50

Toluene-d8

Concen: 53.827 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088440.D

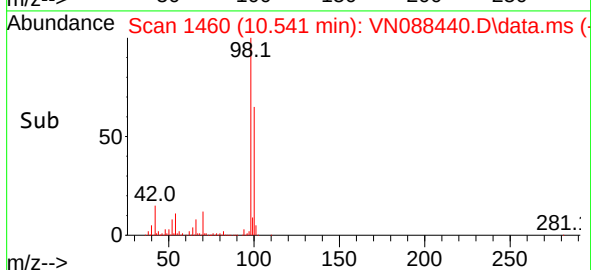
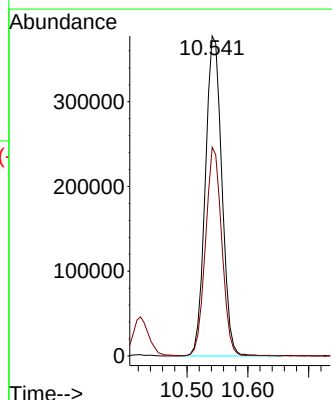
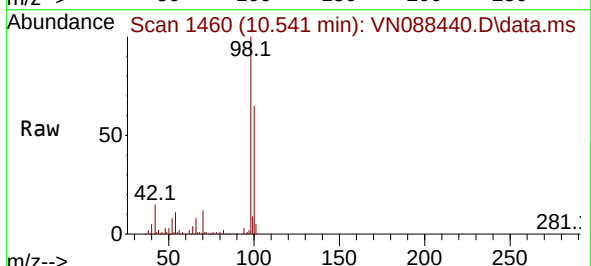
Acq: 04 Dec 2025 13:11

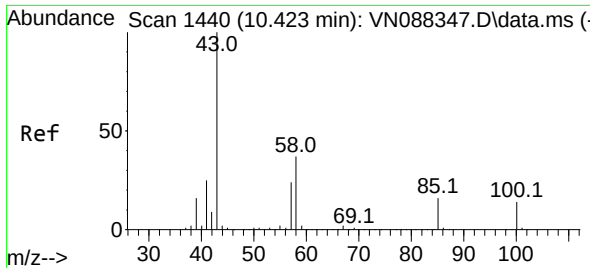
Tgt Ion: 98 Resp: 710342

Ion Ratio Lower Upper

98 100

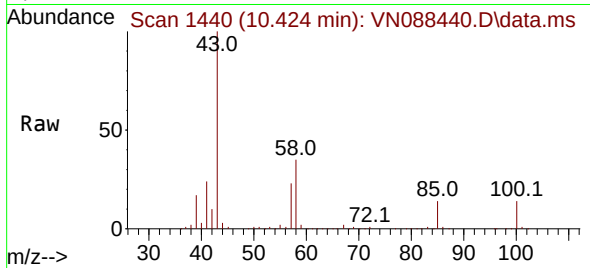
100 64.4 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 96.013 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

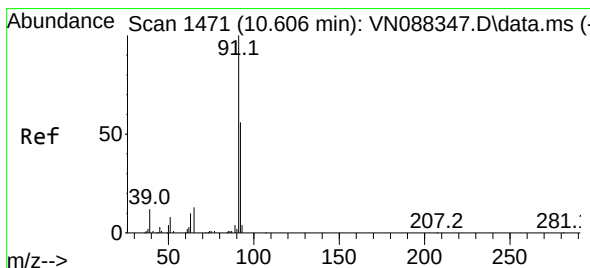
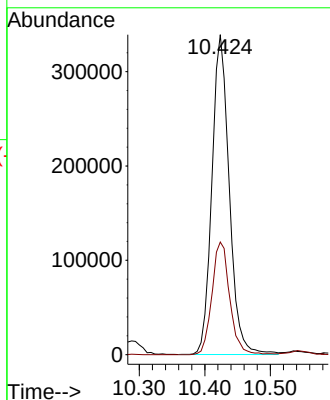
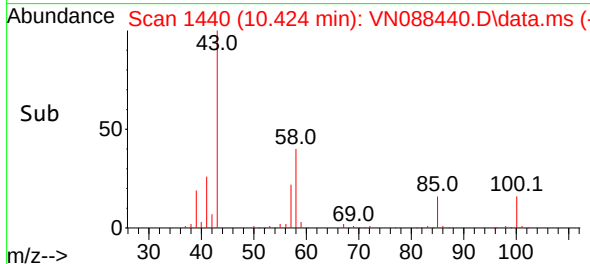
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion: 43 Resp: 62234
Ion Ratio Lower Upper
43 100
58 36.2 29.1 43.7

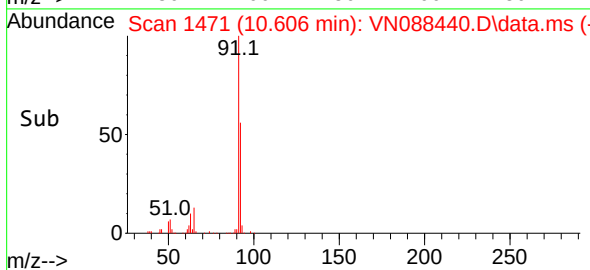
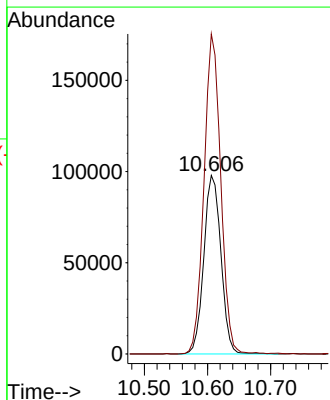
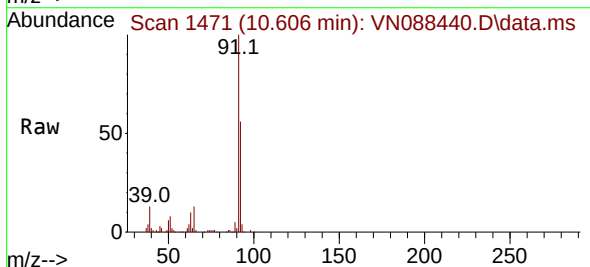
Manual Integrations
APPROVED

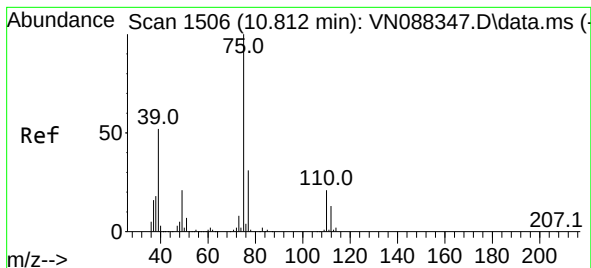
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#52
Toluene
Concen: 19.835 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

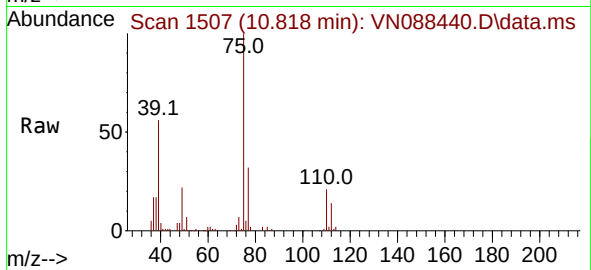
Tgt Ion: 92 Resp: 184006
Ion Ratio Lower Upper
92 100
91 175.1 140.2 210.2





#53
t-1,3-Dichloropropene
Concen: 18.472 ug/l
RT: 10.818 min Scan# 11364
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

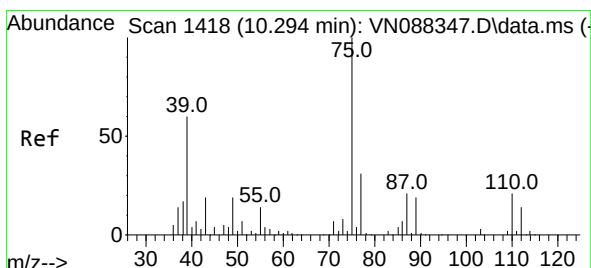
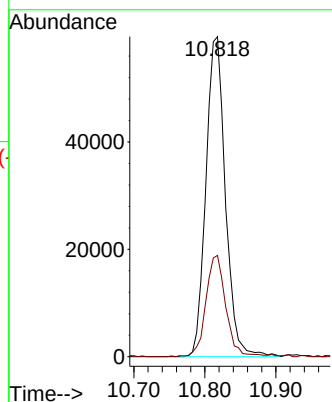
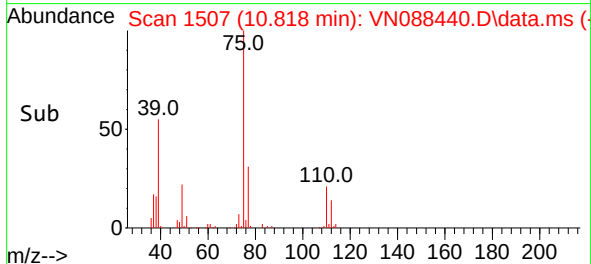
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion: 75 Resp: 11364
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2

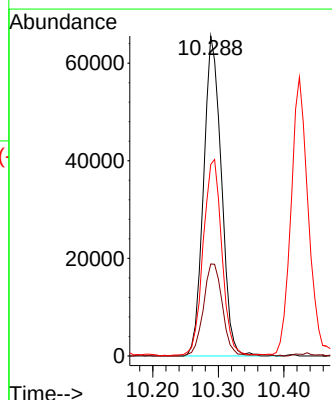
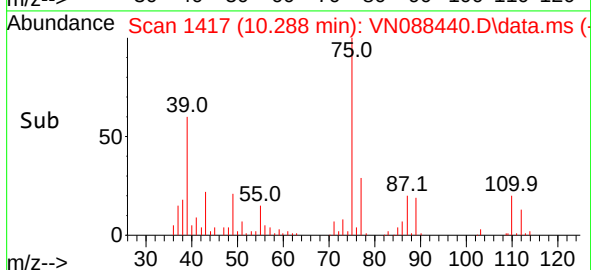
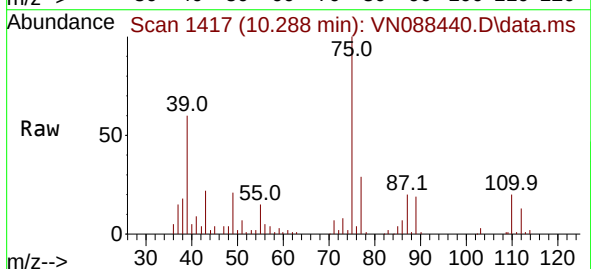
Manual Integrations
APPROVED

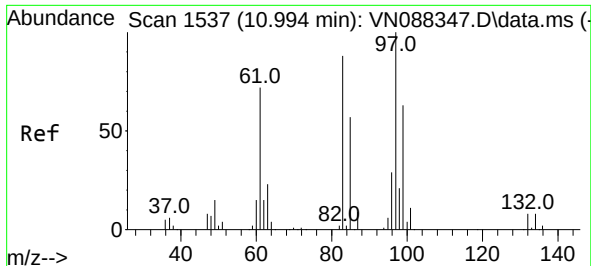
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#54
cis-1,3-Dichloropropene
Concen: 19.198 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

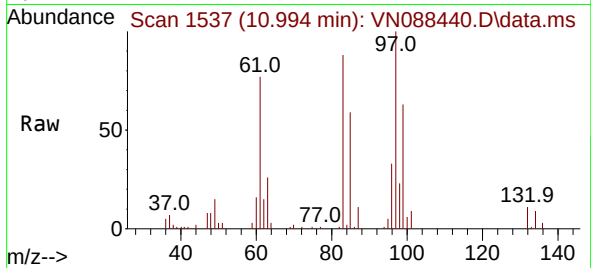
Tgt Ion: 75 Resp: 124206
Ion Ratio Lower Upper
75 100
77 28.8 24.5 36.7
39 59.5 48.3 72.5





#55
1,1,2-Trichloroethane
Concen: 19.257 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

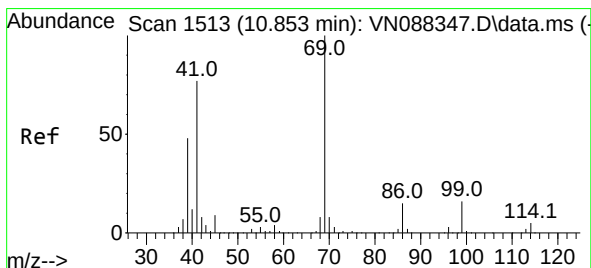
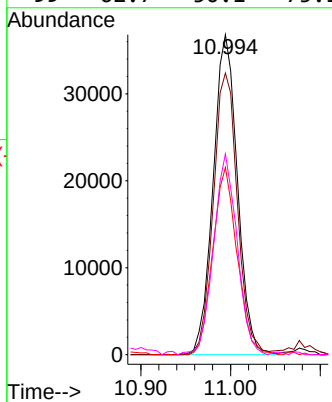
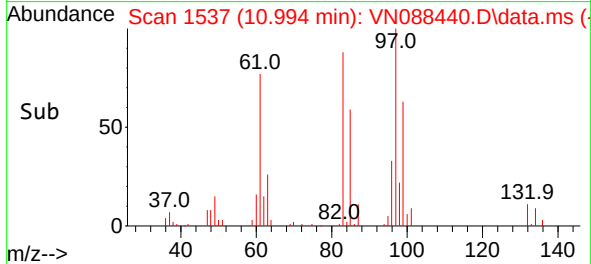
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



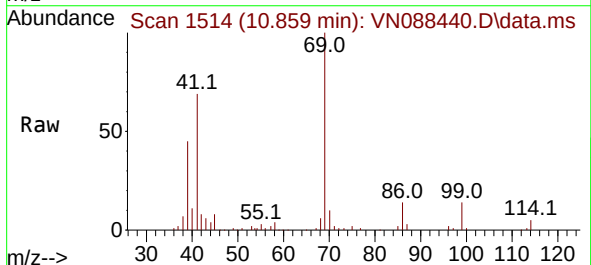
Tgt Ion: 97	Resp: 6911
Ion Ratio	Lower Upper
97 100	
83 88.0	70.4 105.6
85 58.5	45.4 68.2
99 62.7	50.1 75.1

Manual Integrations
APPROVED

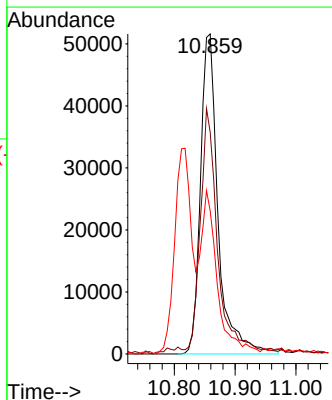
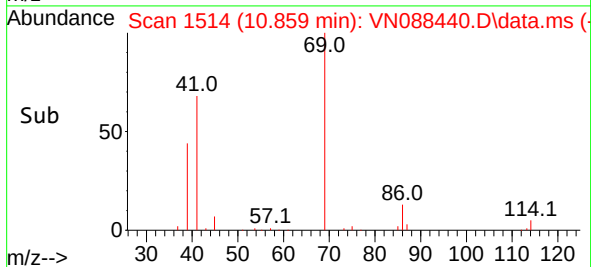
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

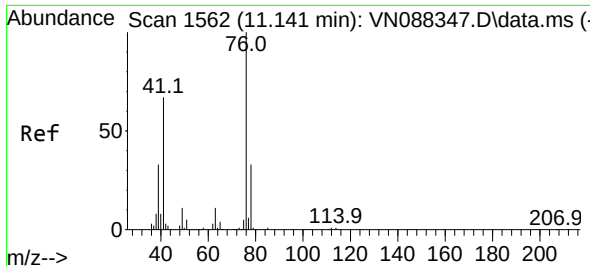


#56
Ethyl methacrylate
Concen: 18.321 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion: 69	Resp: 103870
Ion Ratio	Lower Upper
69 100	
41 70.2	59.6 89.4
39 46.5	36.4 54.6





#57

1,3-Dichloropropane

Concen: 19.021 ug/l

RT: 11.141 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion: 76 Resp: 123158

Ion Ratio Lower Upper

76 100

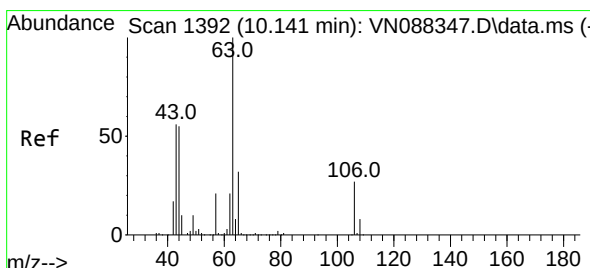
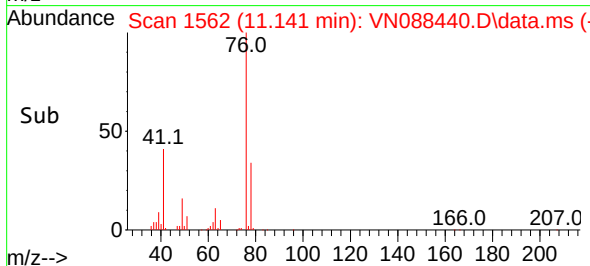
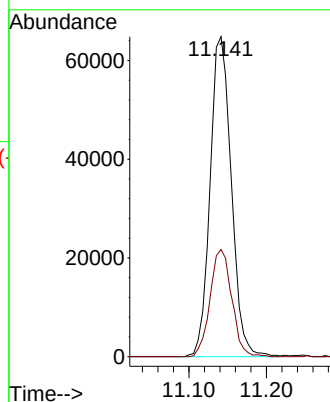
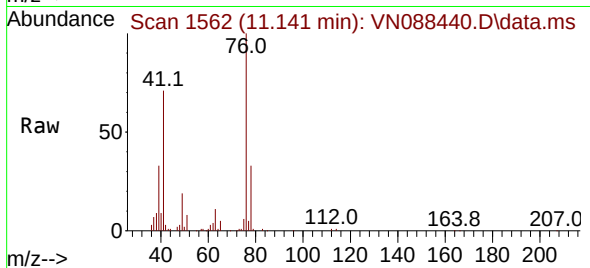
78 34.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#58

2-Chloroethyl Vinyl ether

Concen: 87.928 ug/l

RT: 10.135 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VN088440.D

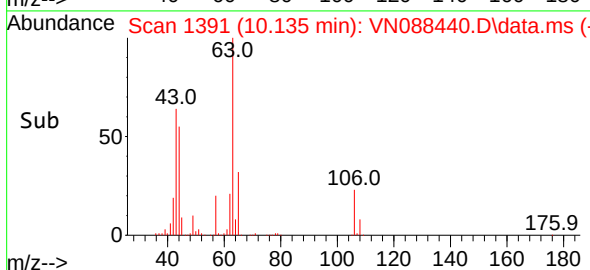
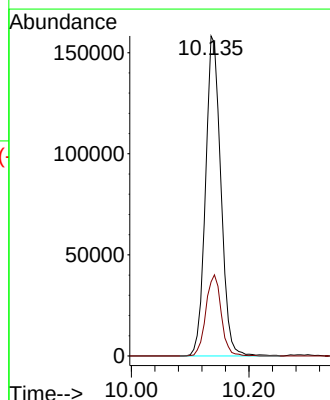
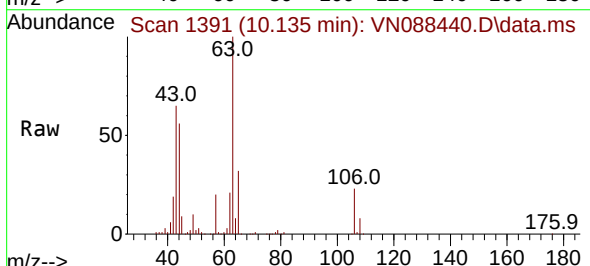
Acq: 04 Dec 2025 13:11

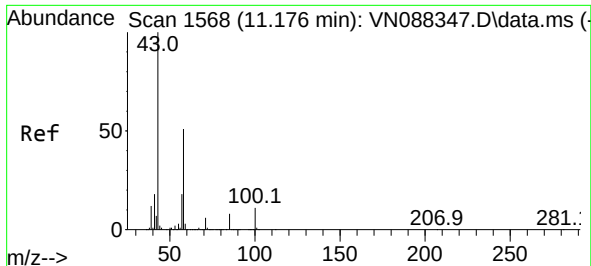
Tgt Ion: 63 Resp: 287394

Ion Ratio Lower Upper

63 100

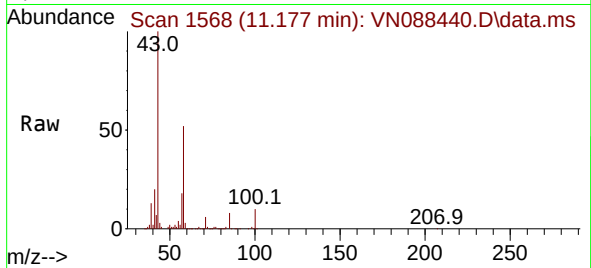
106 25.3 20.5 30.7





#59
2-Hexanone
Concen: 91.201 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

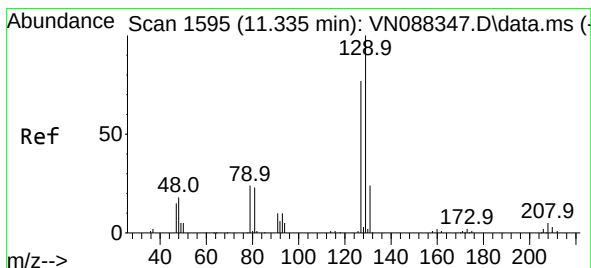
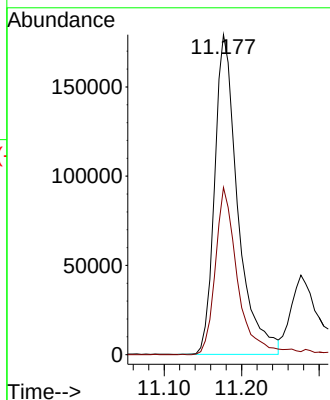
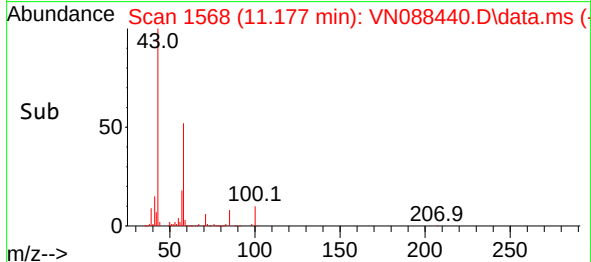
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion: 43 Resp: 372390
Ion Ratio Lower Upper
43 100
58 50.4 25.3 75.9

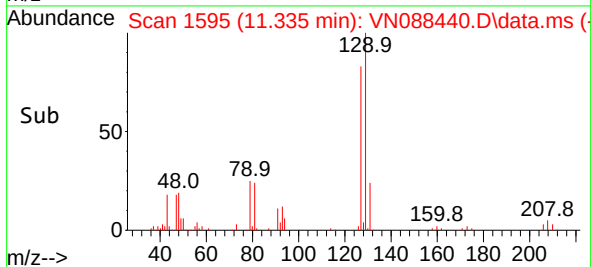
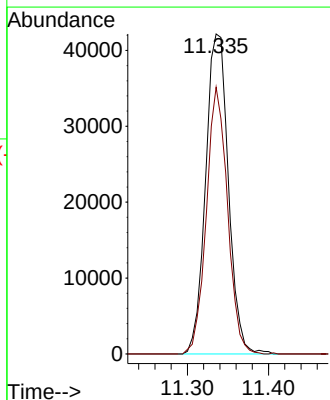
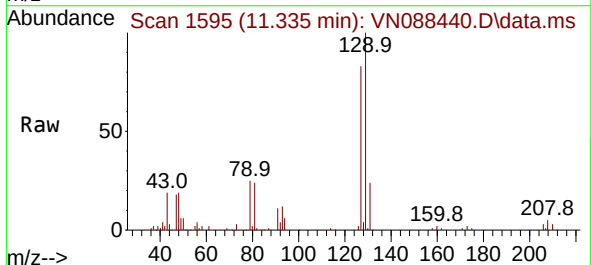
Manual Integrations
APPROVED

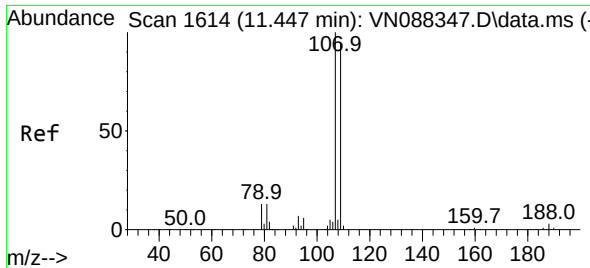
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#60
Dibromochloromethane
Concen: 20.088 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

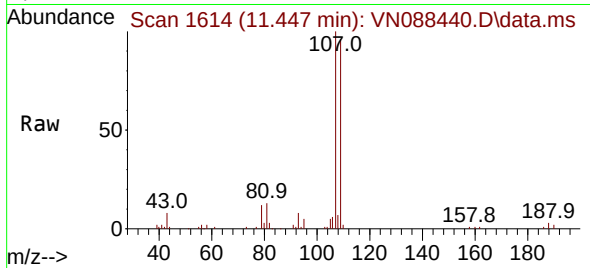
Tgt Ion:129 Resp: 82193
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6





#61
1,2-Dibromoethane
Concen: 18.936 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

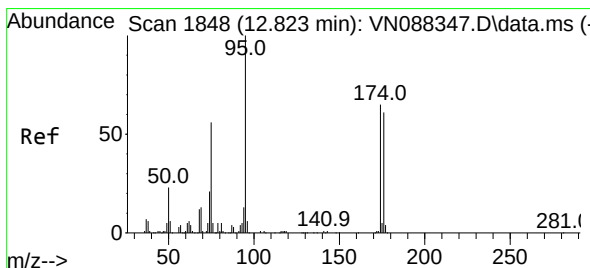
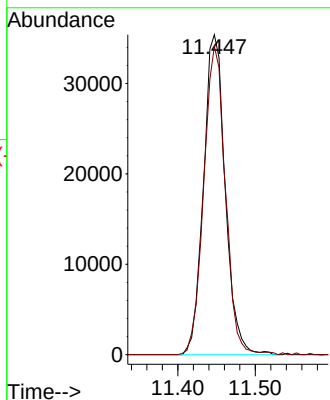
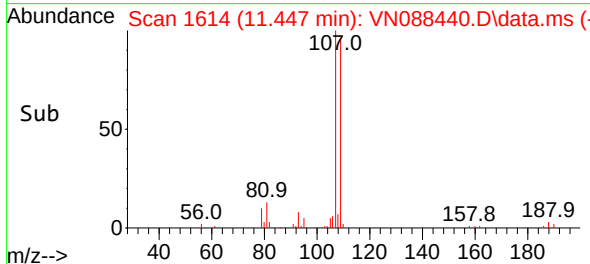
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



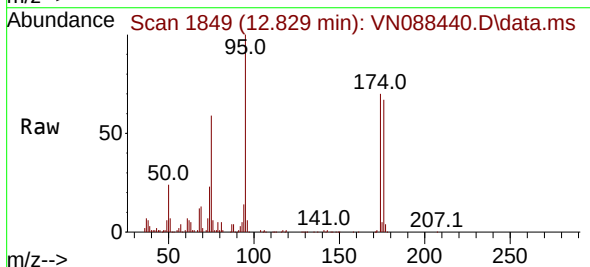
Tgt Ion:107 Resp: 68824
Ion Ratio Lower Upper
107 100
109 96.1 74.6 112.0

Manual Integrations
APPROVED

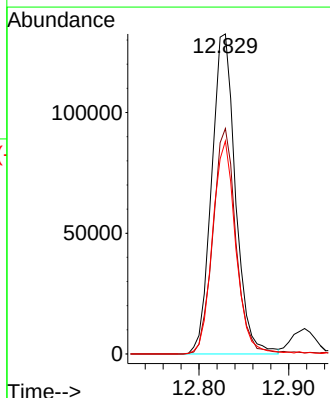
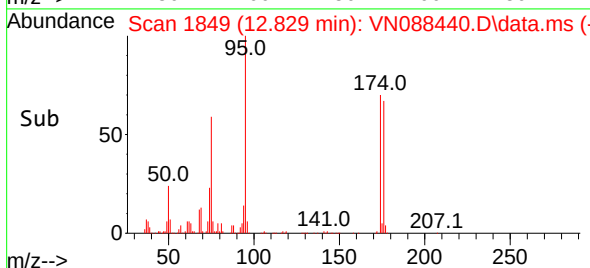
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

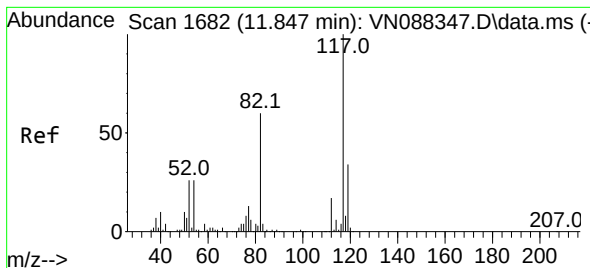


#62
4-Bromofluorobenzene
Concen: 54.054 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



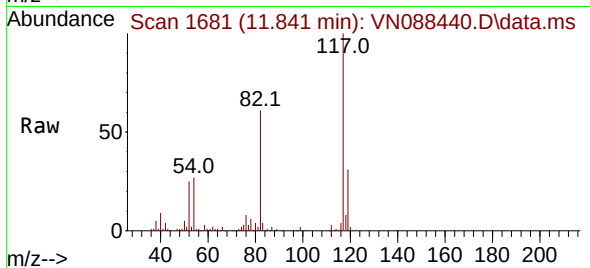
Tgt Ion: 95 Resp: 244760
Ion Ratio Lower Upper
95 100
174 67.8 0.0 139.0
176 64.9 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

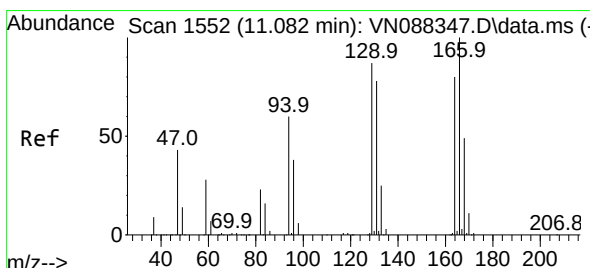
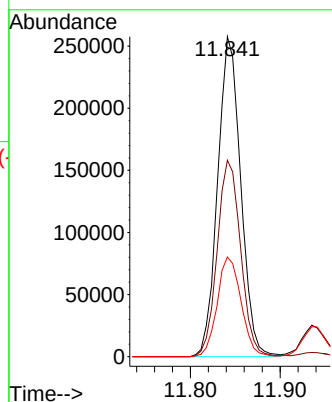
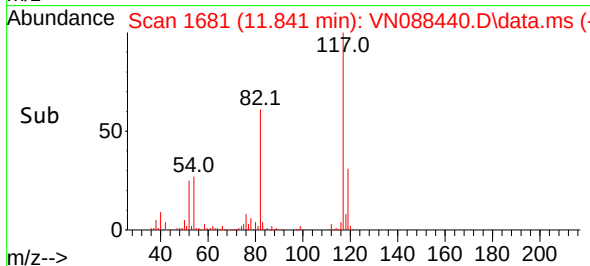
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion:117 Resp: 460578
Ion Ratio Lower Upper
117 100
82 61.4 47.8 71.8
119 31.1 26.9 40.3

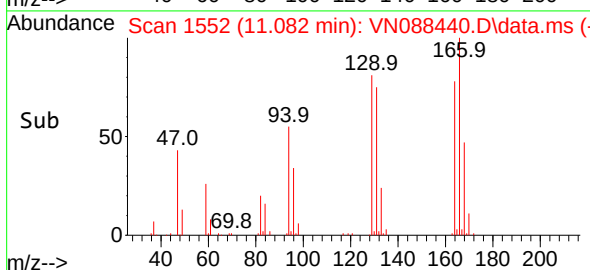
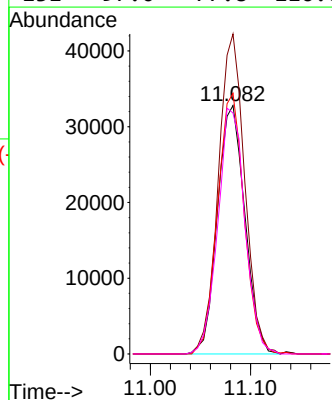
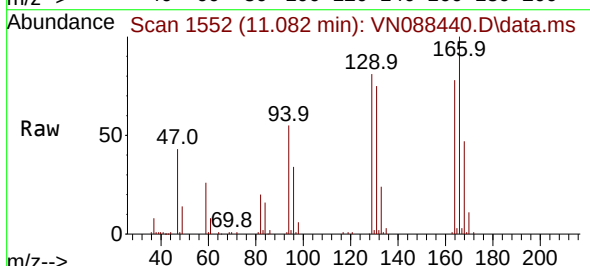
Manual Integrations
APPROVED

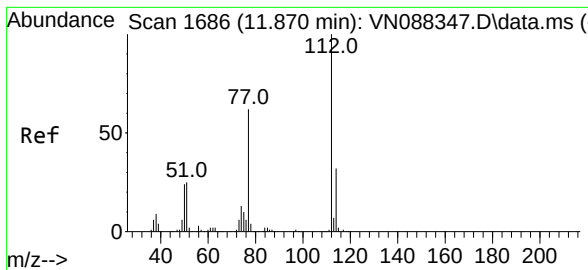
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#64
Tetrachloroethene
Concen: 17.077 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion:164 Resp: 62353
Ion Ratio Lower Upper
164 100
166 128.8 99.6 149.4
129 104.9 86.6 129.8
131 97.0 77.8 116.6





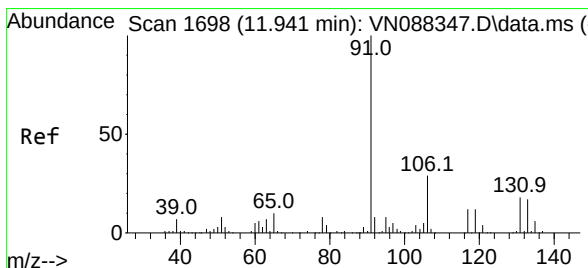
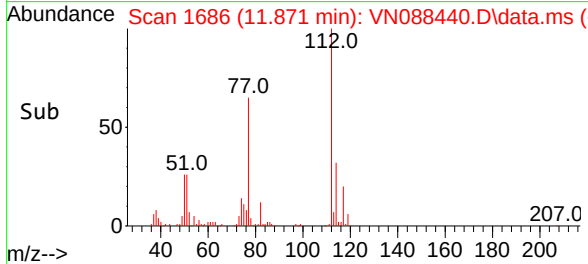
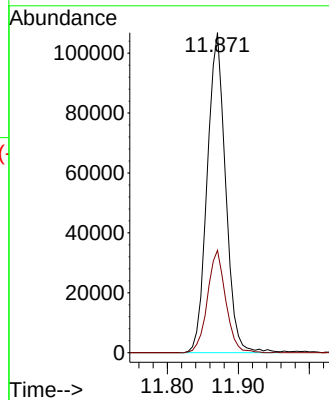
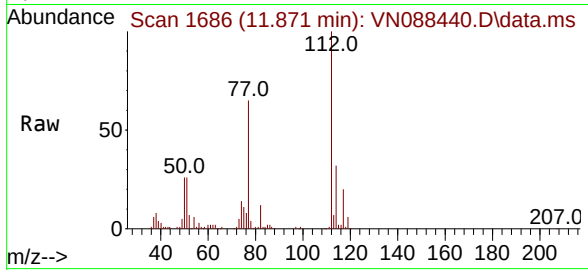
#65
Chlorobenzene
Concen: 18.585 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion:112 Resp: 19227
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

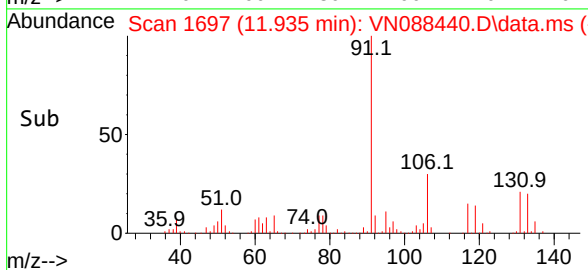
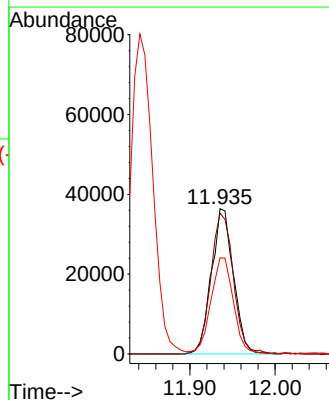
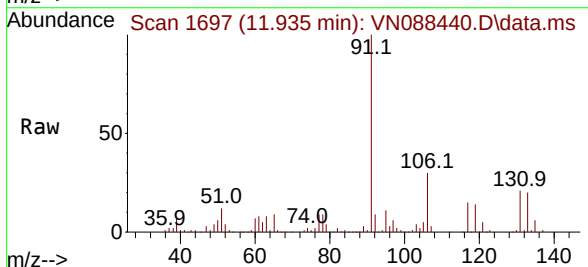
Manual Integrations
APPROVED

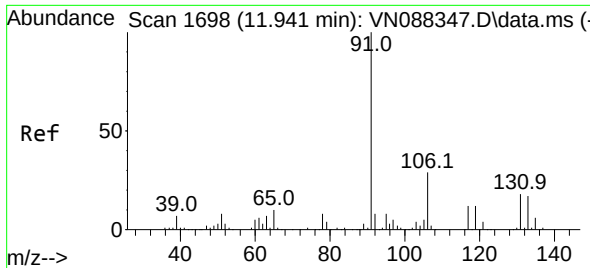
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.824 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

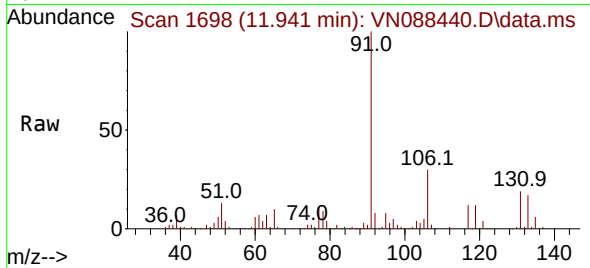
Tgt Ion:131 Resp: 65680
Ion Ratio Lower Upper
131 100
133 99.0 47.4 142.2
119 67.7 33.4 100.1





#67
Ethyl Benzene
Concen: 18.539 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

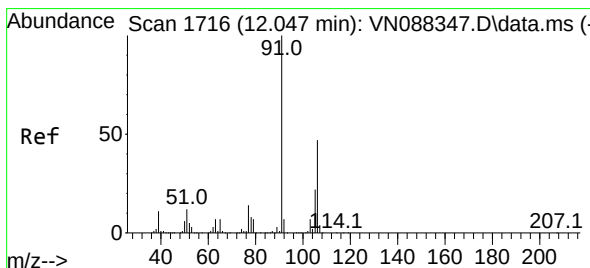
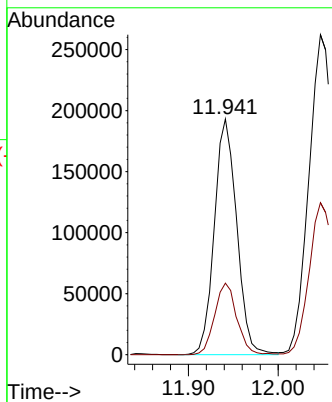
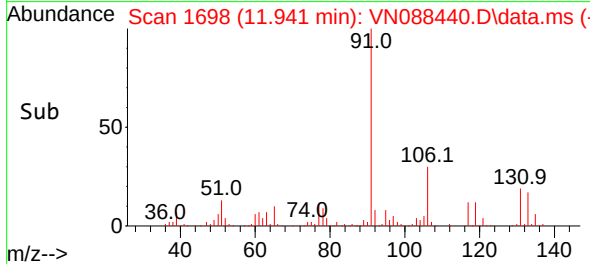
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



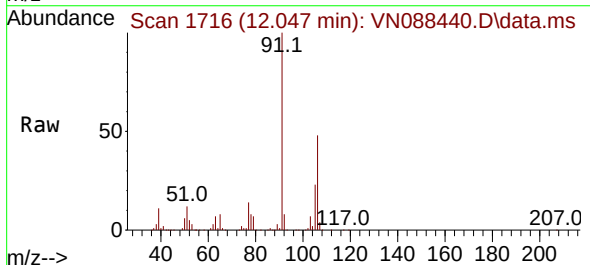
Tgt Ion: 91 Resp: 335210
Ion Ratio Lower Upper
91 100
106 30.3 23.6 35.4

Manual Integrations
APPROVED

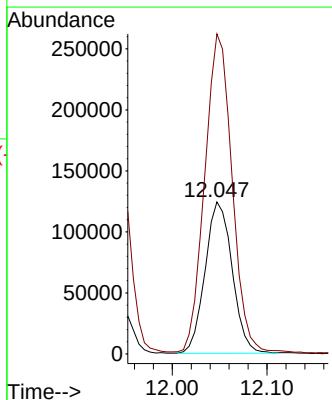
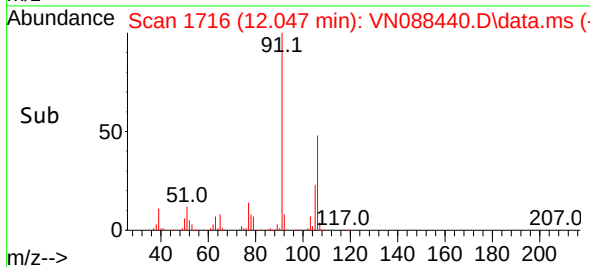
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

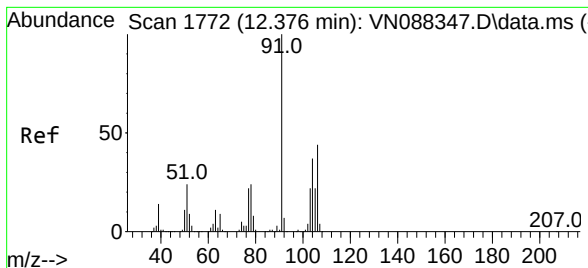


#68
m/p-Xylenes
Concen: 36.751 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



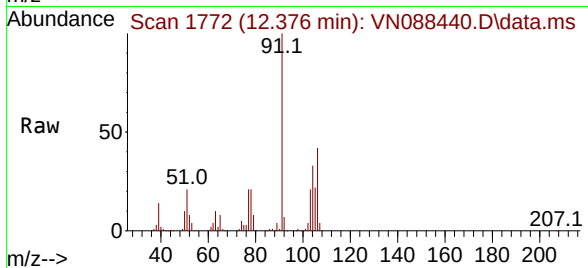
Tgt Ion:106 Resp: 246386
Ion Ratio Lower Upper
106 100
91 214.4 167.8 251.6





#69
o-Xylene
Concen: 17.628 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

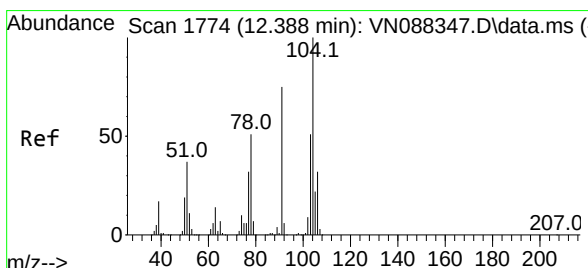
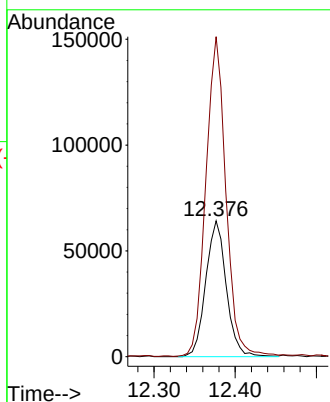
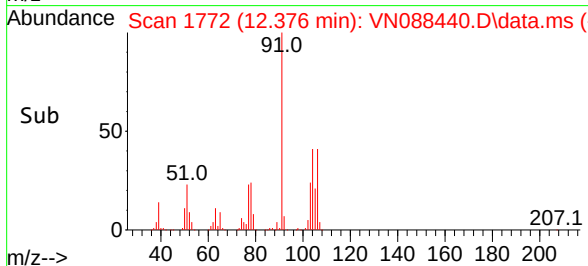
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion:106 Resp: 112668
Ion Ratio Lower Upper
106 100
91 229.8 112.9 338.7

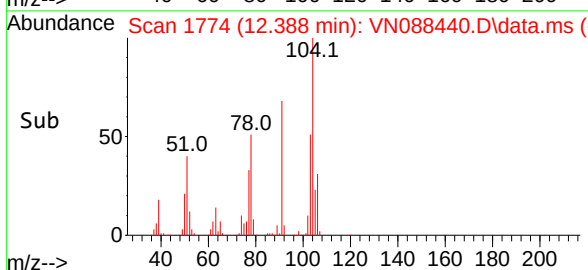
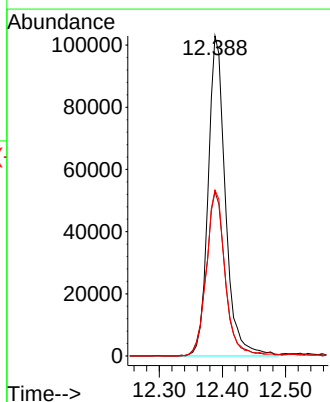
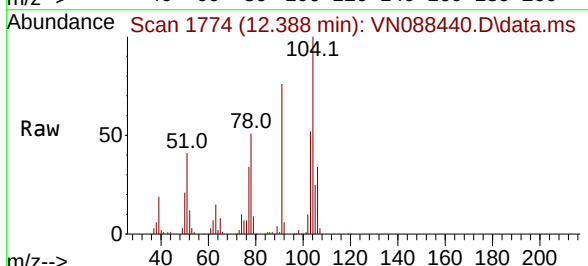
Manual Integrations
APPROVED

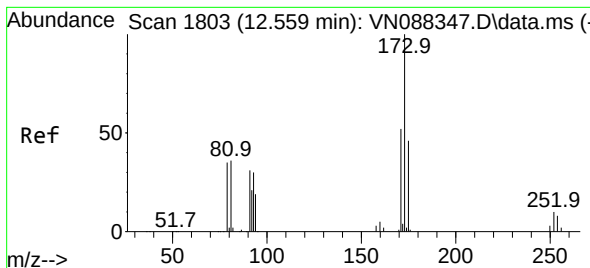
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#70
Styrene
Concen: 18.874 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion:104 Resp: 195869
Ion Ratio Lower Upper
104 100
78 55.5 44.3 66.5
103 56.2 44.2 66.4





#71

Bromoform

Concen: 19.118 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1204MBS01

Tgt Ion:173 Resp: 48860

Ion Ratio Lower Upper

173 100

175 47.7 23.9 71.8

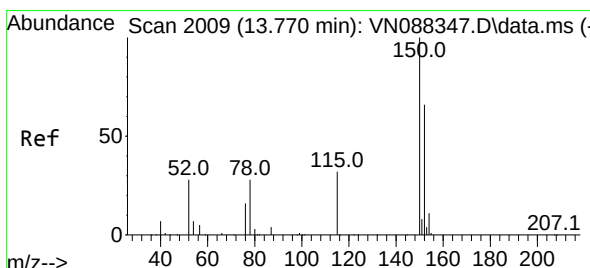
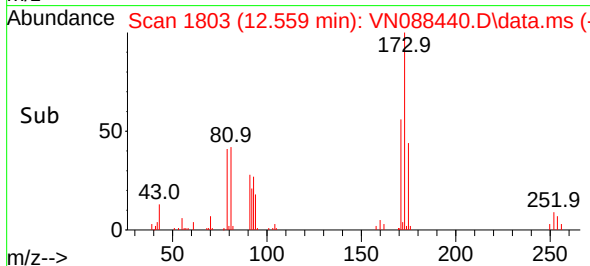
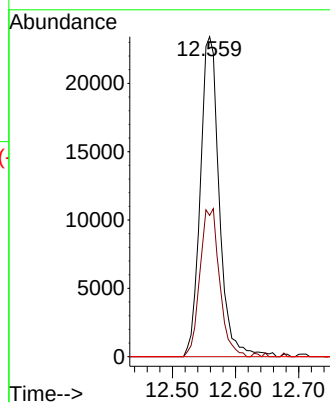
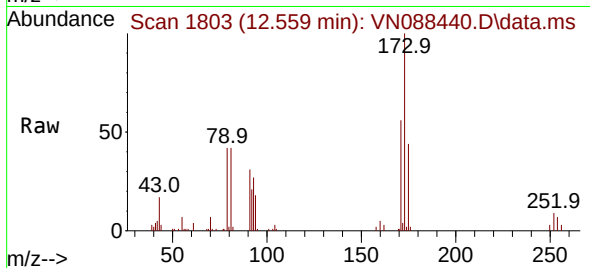
254 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088440.D

Acq: 04 Dec 2025 13:11

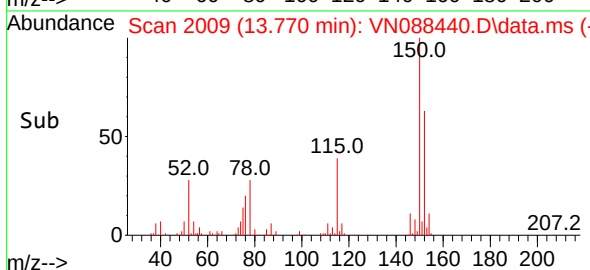
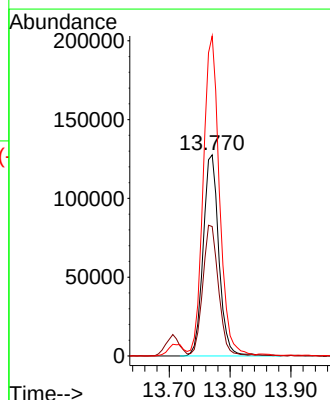
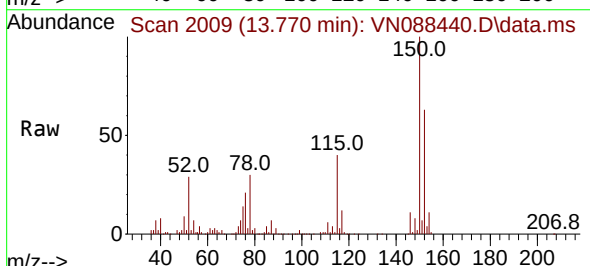
Tgt Ion:152 Resp: 228963

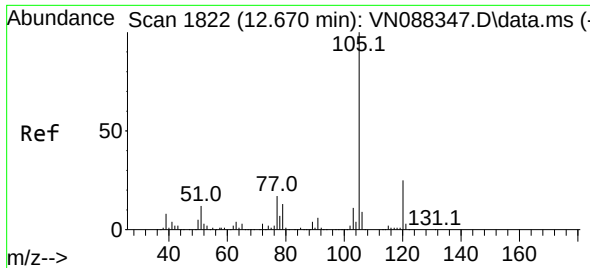
Ion Ratio Lower Upper

152 100

115 65.9 33.0 98.9

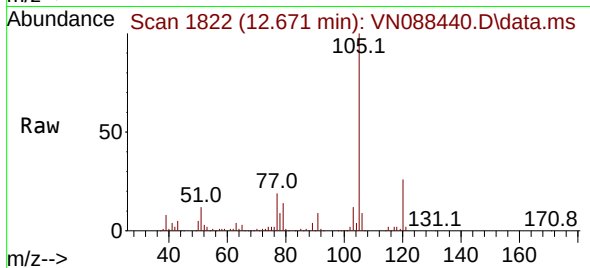
150 163.2 0.0 349.0





#73
Isopropylbenzene
Concen: 17.534 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

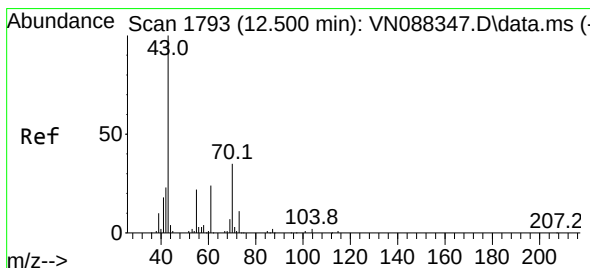
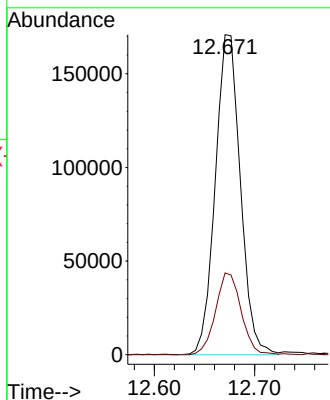
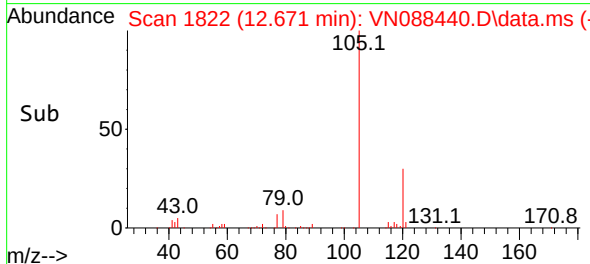
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



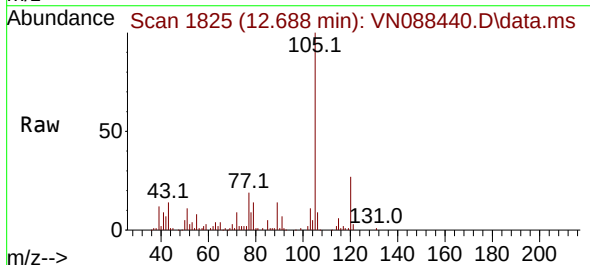
Tgt Ion:105 Resp: 29683
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.3

Manual Integrations
APPROVED

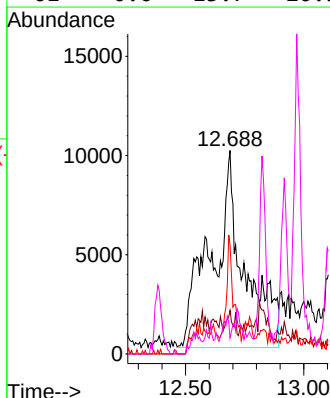
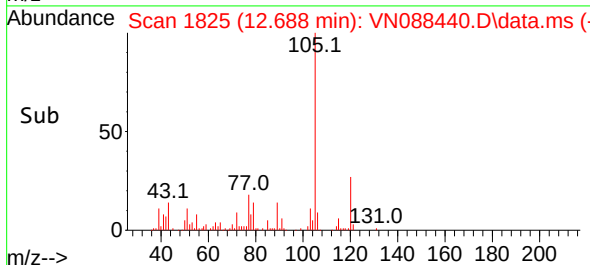
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

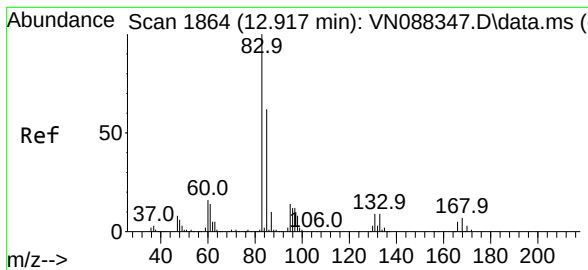


#74
N-ethyl acetate
Concen: 16.593 ug/l m
RT: 12.688 min Scan# 1825
Delta R.T. 0.188 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



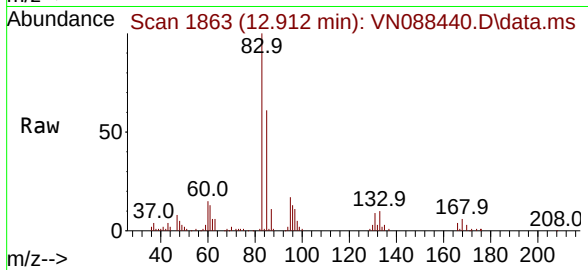
Tgt Ion: 43 Resp: 95665
Ion Ratio Lower Upper
43 100
70 0.0 28.3 42.5#
55 4.3 17.7 26.5#
61 0.0 13.7 20.5#





#75
1,1,2,2-Tetrachloroethane
Concen: 18.647 ug/l
RT: 12.912 min Scan# 1863
Delta R.T. -0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

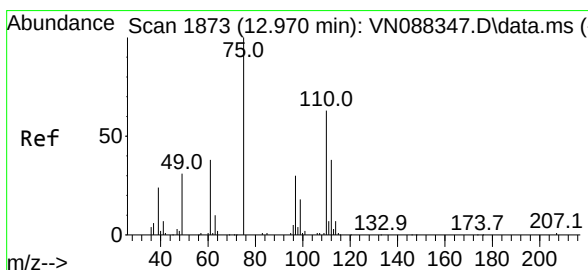
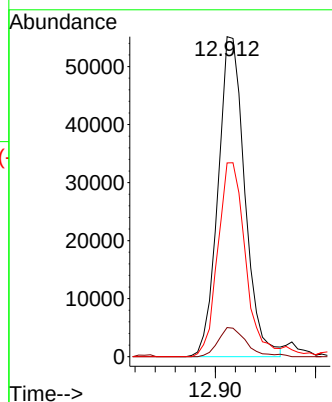
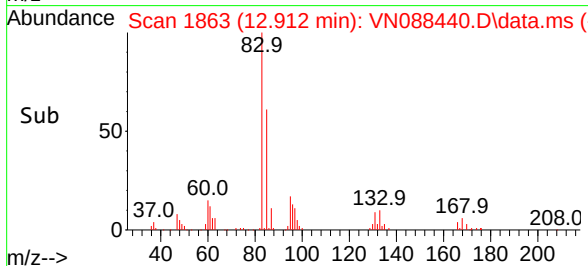
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



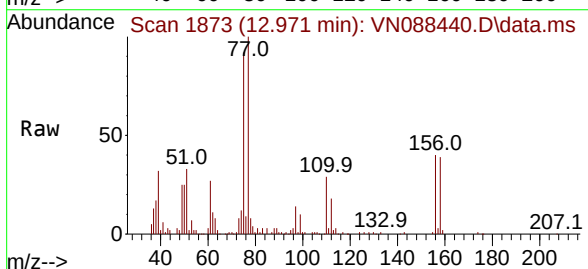
Tgt Ion: 83 Resp: 102052
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 64.3 32.1 96.5

Manual Integrations
APPROVED

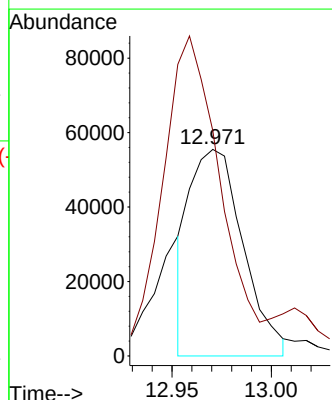
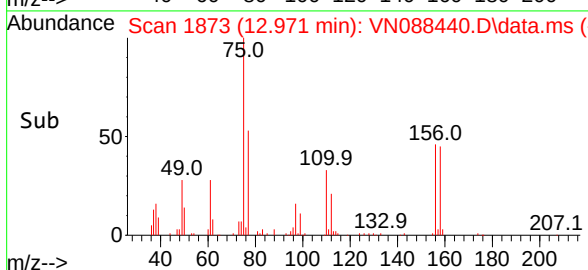
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

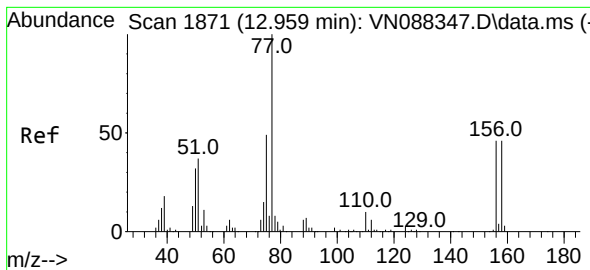


#76
1,2,3-Trichloropropane
Concen: 19.380 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



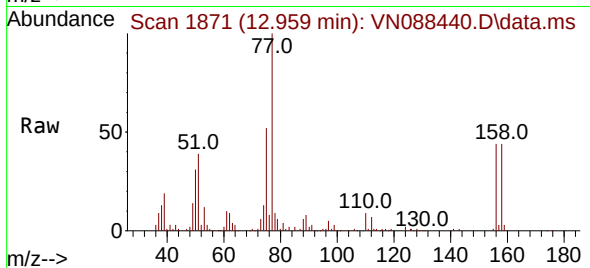
Tgt Ion: 75 Resp: 103932
Ion Ratio Lower Upper
75 100
77 171.2 87.2 261.6





#77
Bromobenzene
Concen: 18.839 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

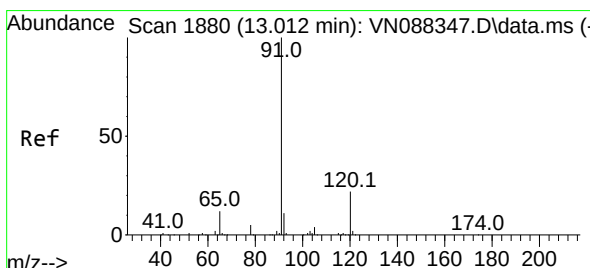
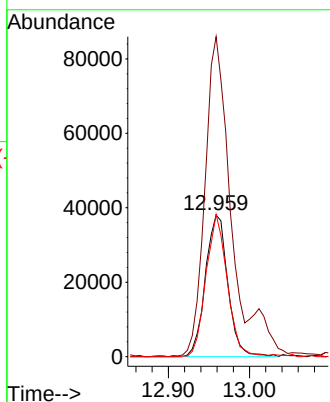
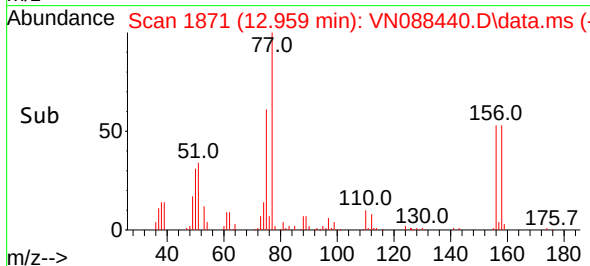
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion:156 Resp: 7297
Ion Ratio Lower Upper
156 100
77 243.8 121.6 364.7
158 95.1 48.6 145.8

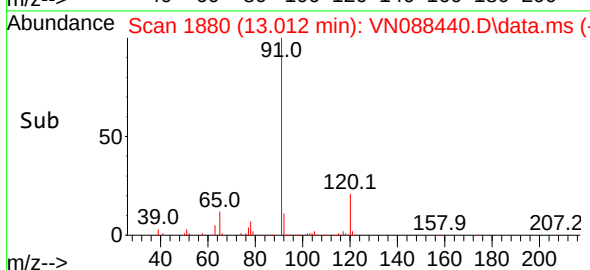
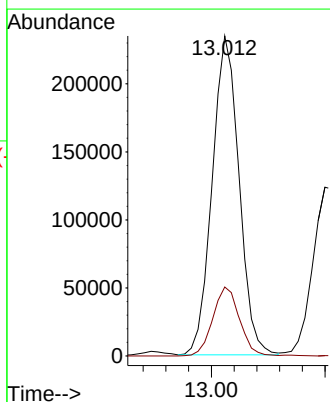
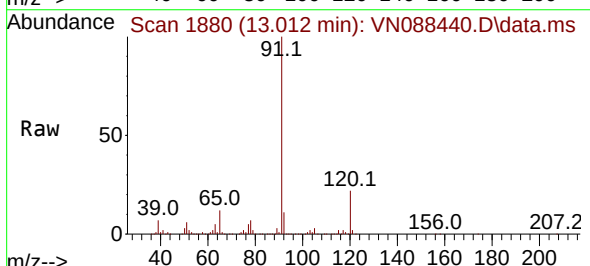
Manual Integrations
APPROVED

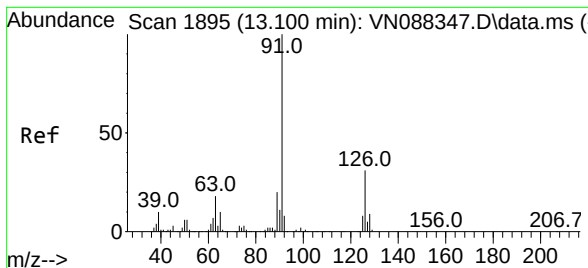
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#78
n-propylbenzene
Concen: 18.576 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

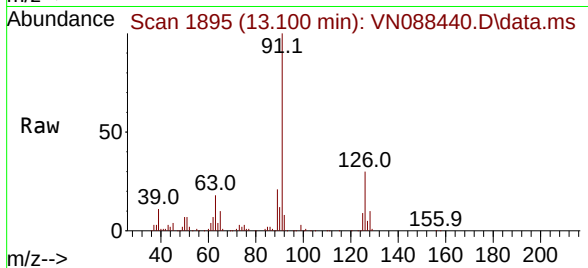
Tgt Ion: 91 Resp: 384732
Ion Ratio Lower Upper
91 100
120 21.5 10.9 32.6





#79
2-Chlorotoluene
Concen: 18.082 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

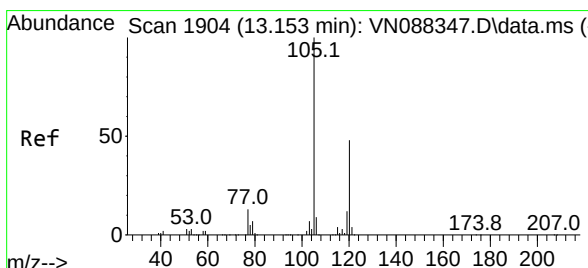
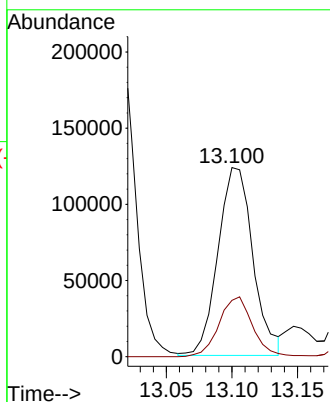
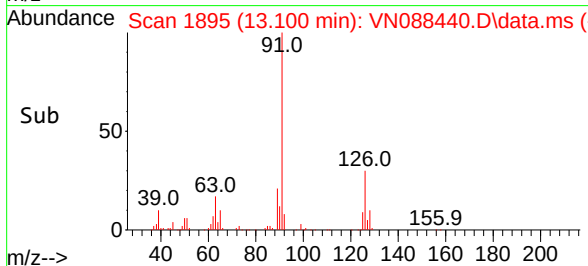
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



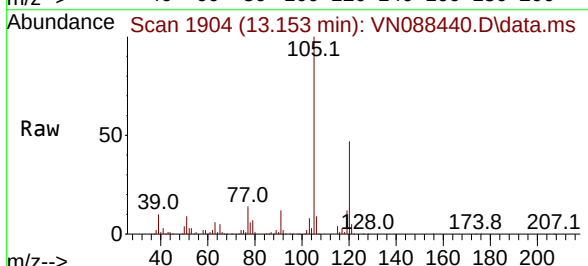
Tgt Ion: 91 Resp: 228690
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.9

Manual Integrations
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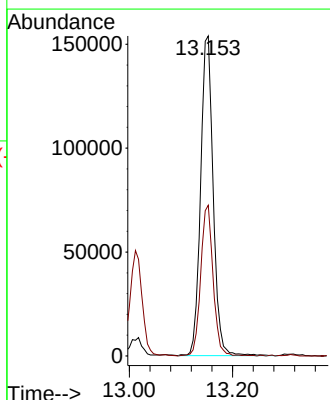
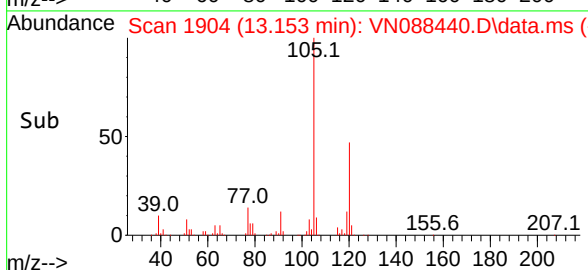
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

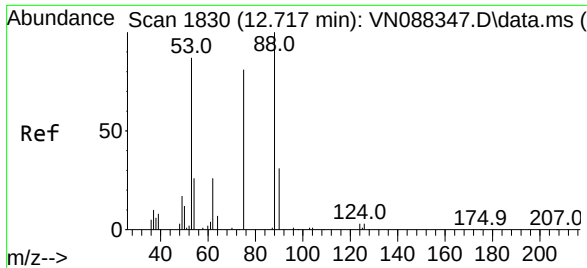


#80
1,3,5-Trimethylbenzene
Concen: 18.503 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



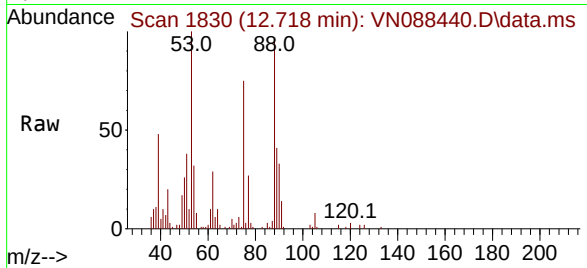
Tgt Ion:105 Resp: 259557
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 17.391 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

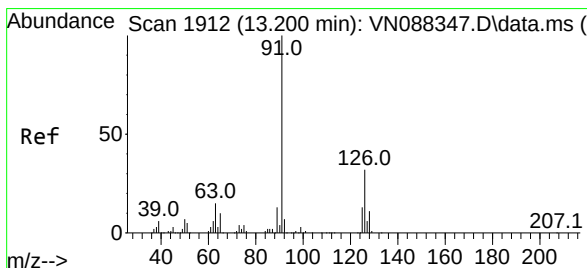
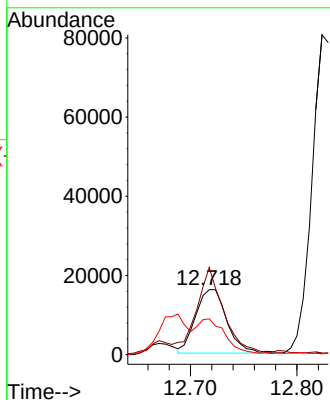
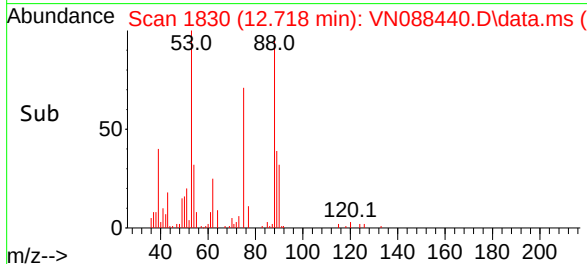
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



Tgt Ion: 75 Resp: 32875
Ion Ratio Lower Upper
75 100
53 116.0 92.2 138.4
89 50.3 0.0 0.0

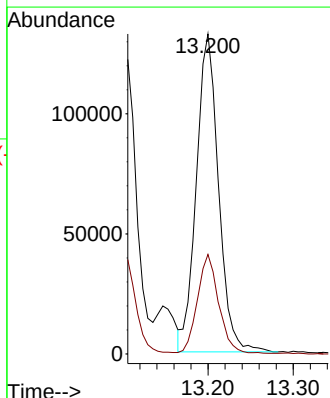
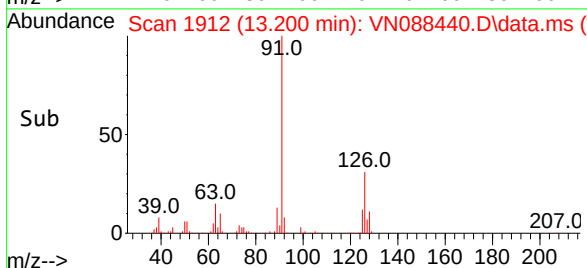
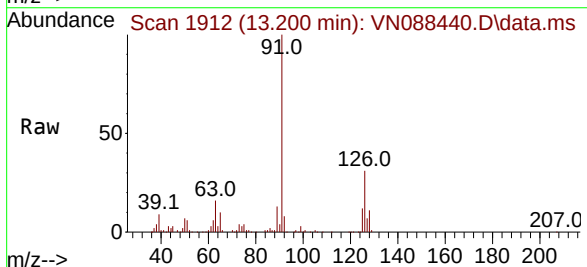
Manual Integrations
APPROVED

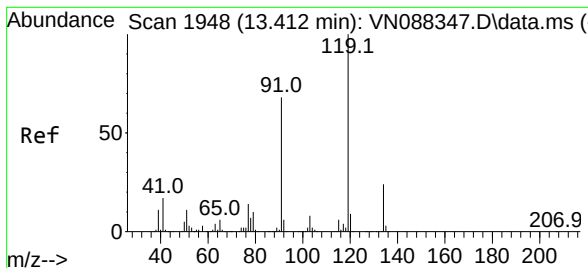
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#82
4-Chlorotoluene
Concen: 19.040 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

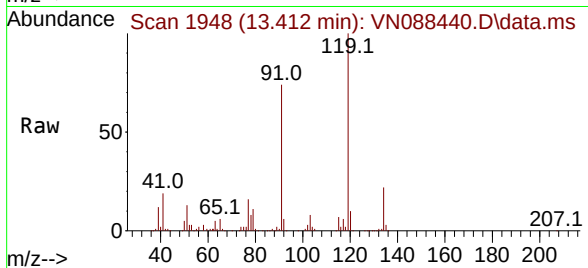
Tgt Ion: 91 Resp: 239177
Ion Ratio Lower Upper
91 100
126 29.9 15.6 46.7





#83
tert-Butylbenzene
Concen: 17.992 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

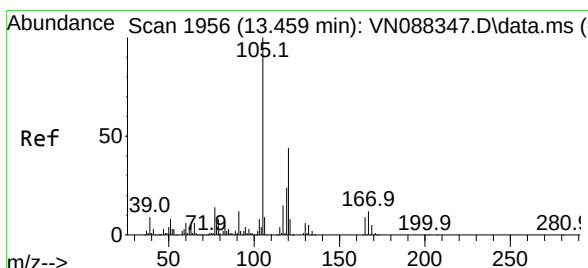
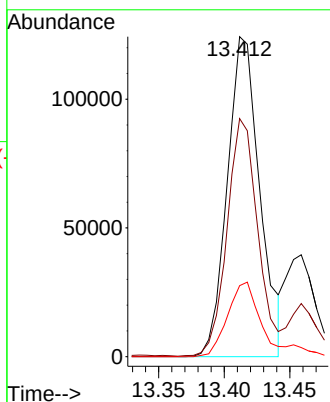
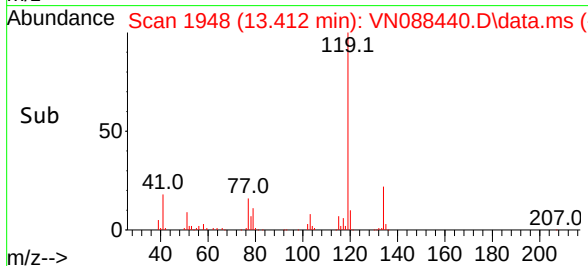
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



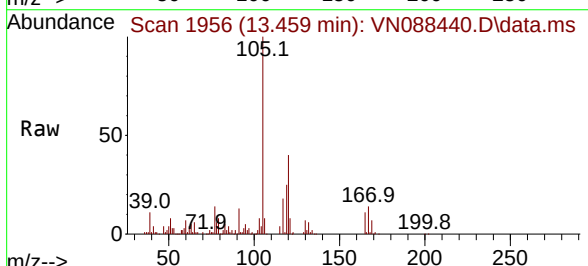
Tgt Ion:119 Resp: 21455
Ion Ratio Lower Upper
119 100
91 70.1 35.1 105.3
134 25.4 12.8 38.4

Manual Integrations
APPROVED

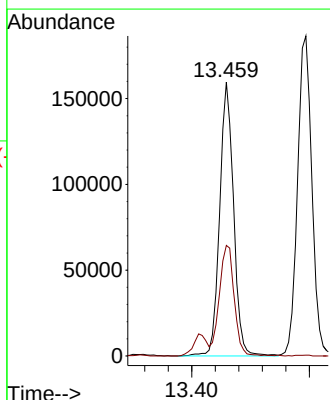
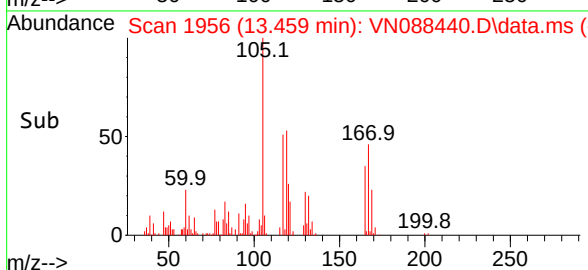
Reviewed By :John Carbone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

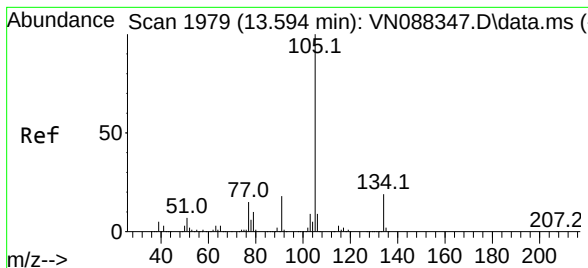


#84
1,2,4-Trimethylbenzene
Concen: 18.822 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion:105 Resp: 262441
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.1





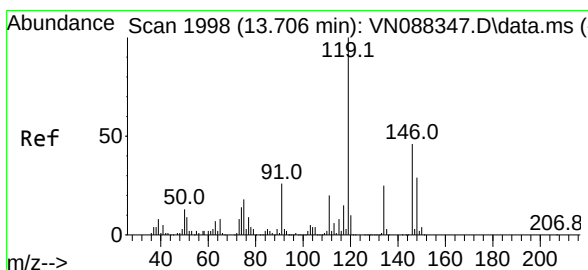
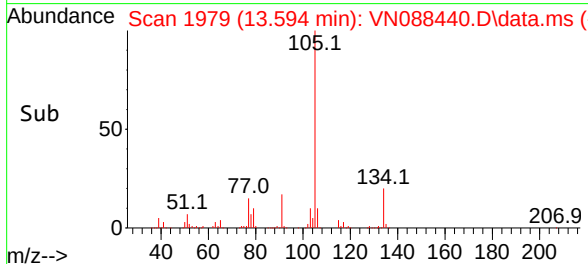
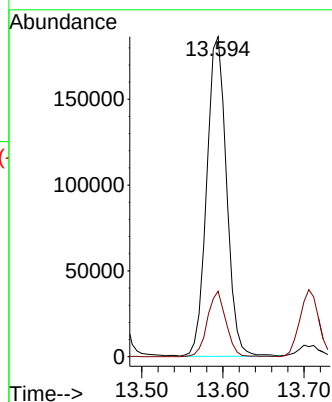
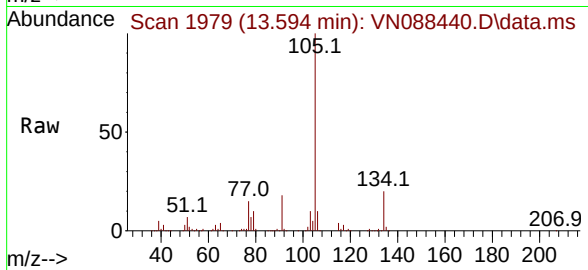
#85
 sec-Butylbenzene
 Concen: 18.409 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204MBS01

Tgt Ion:105 Resp: 315370
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5

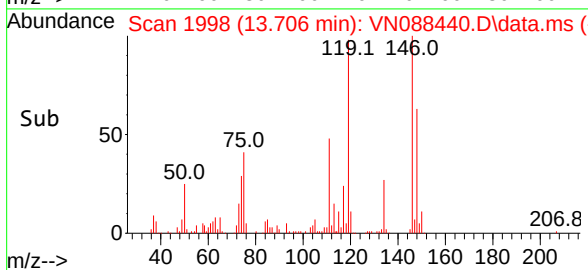
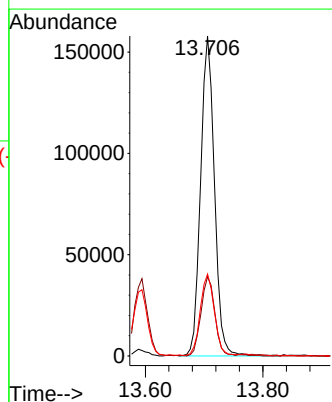
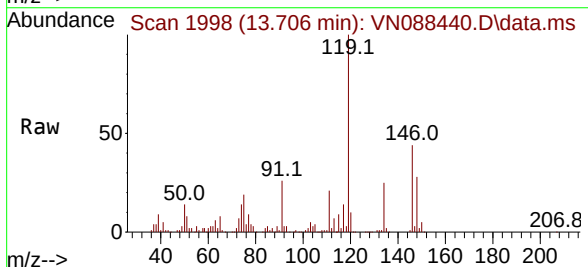
Manual Integrations
 APPROVED

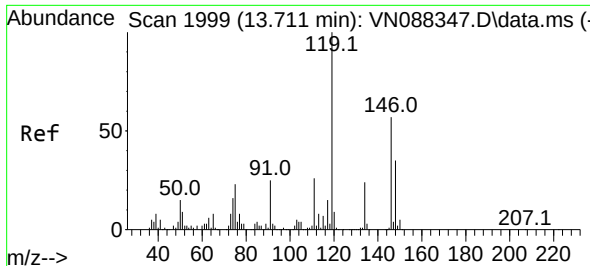
Reviewed By :John Carlone 12/05/2025
 Supervised By :Semsettin Yesilyurt 12/05/2025



#86
 p-Isopropyltoluene
 Concen: 18.405 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

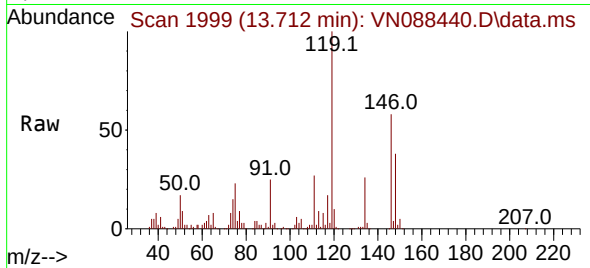
Tgt Ion:119 Resp: 258551
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.2 36.6
 91 25.9 13.0 39.0





#87
1,3-Dichlorobenzene
Concen: 17.973 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

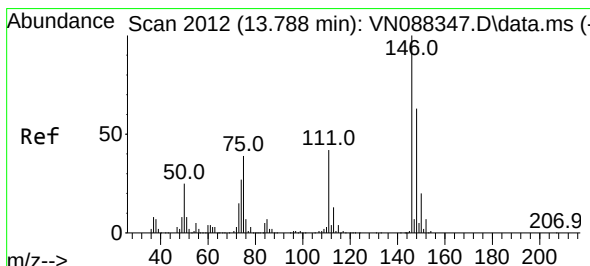
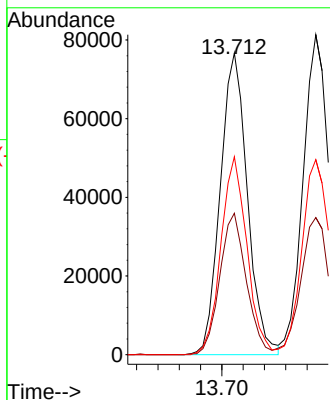
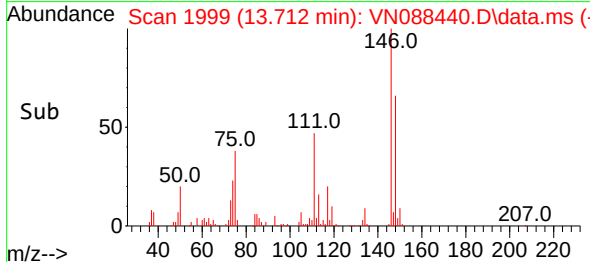
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



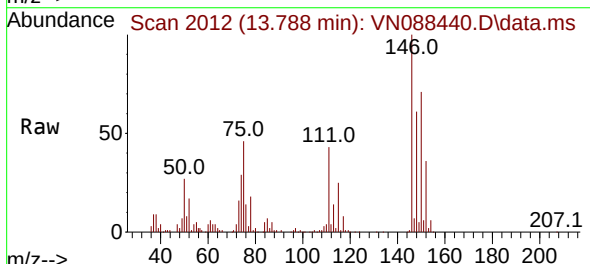
Tgt Ion:146 Resp: 135518
Ion Ratio Lower Upper
146 100
111 45.9 22.4 67.0
148 62.9 31.6 94.8

Manual Integrations
APPROVED

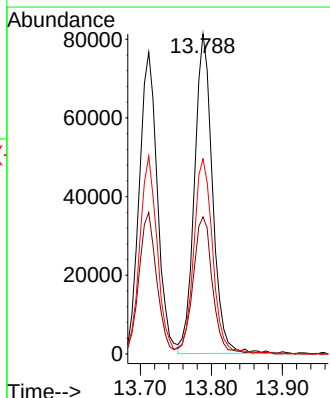
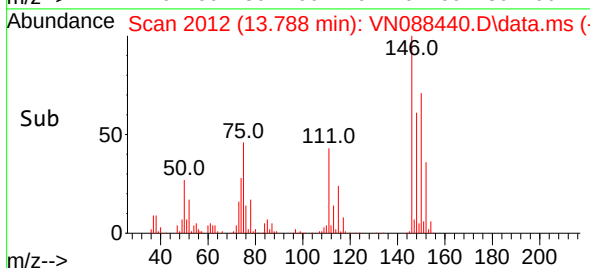
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

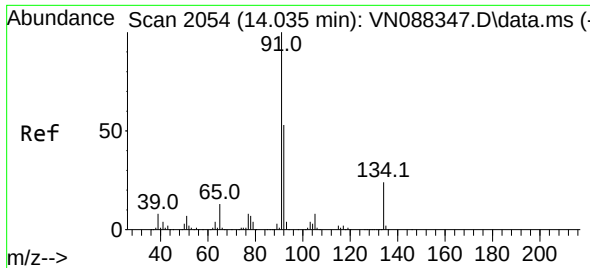


#88
1,4-Dichlorobenzene
Concen: 18.154 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion:146 Resp: 143385
Ion Ratio Lower Upper
146 100
111 45.8 21.6 64.6
148 63.8 31.0 93.0





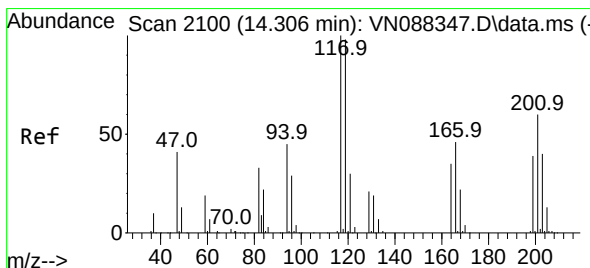
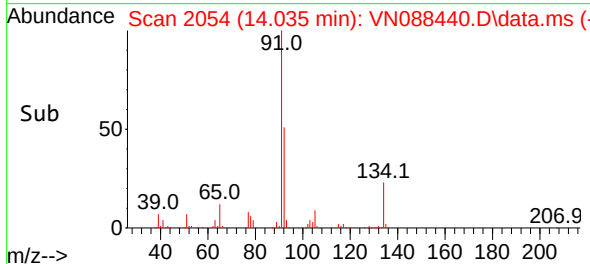
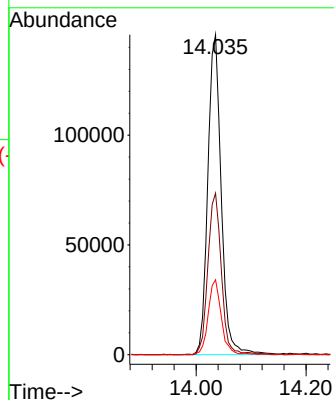
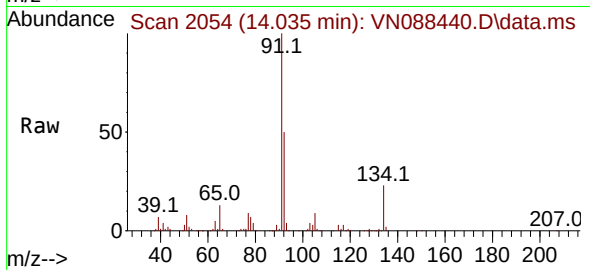
#89
n-Butylbenzene
Concen: 18.083 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion: 91 Resp: 246650
Ion Ratio Lower Upper
91 100
92 50.7 26.1 78.3
134 22.6 11.7 35.1

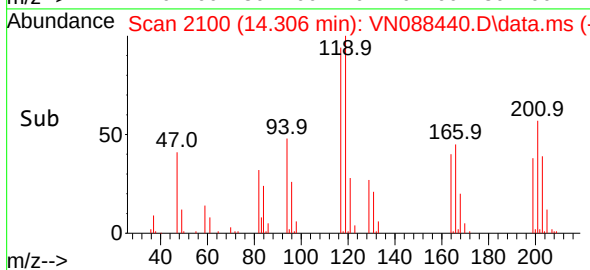
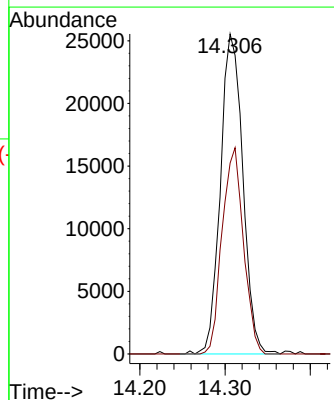
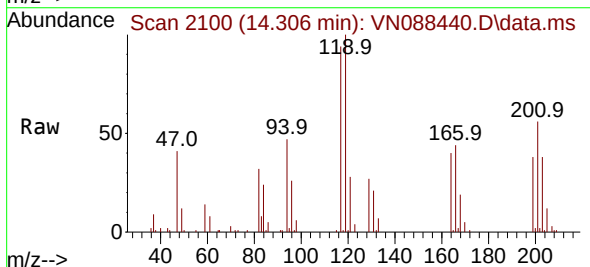
Manual Integrations
APPROVED

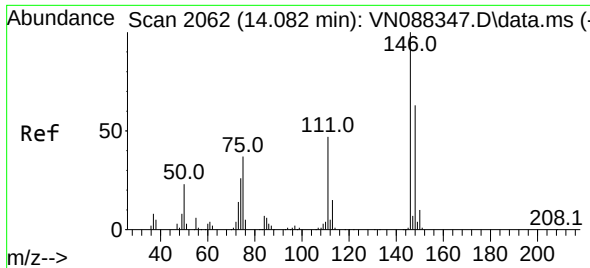
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#90
Hexachloroethane
Concen: 18.210 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Tgt Ion:117 Resp: 46731
Ion Ratio Lower Upper
117 100
201 61.4 30.3 90.9





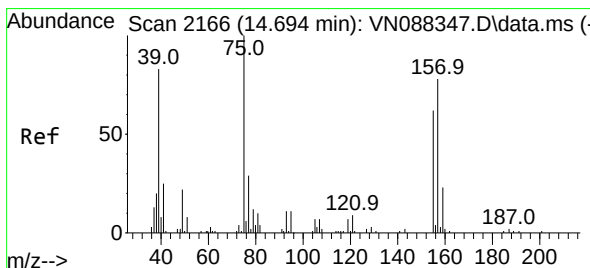
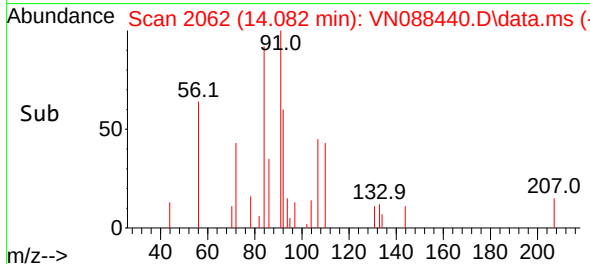
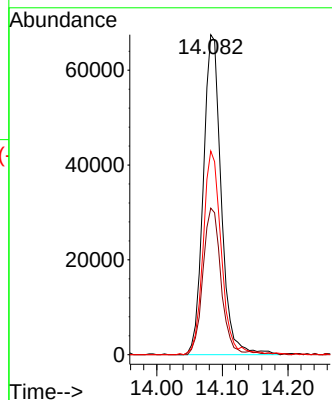
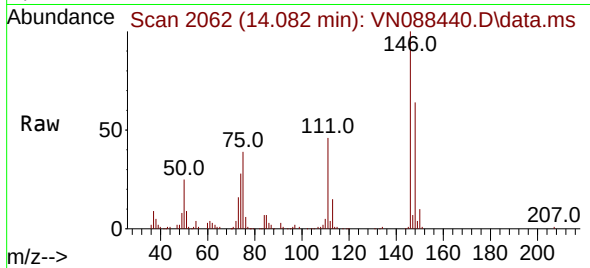
#91
1,2-Dichlorobenzene
Concen: 18.065 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01

Tgt Ion:146 Resp: 12818
Ion Ratio Lower Upper
146 100
111 46.7 23.3 69.9
148 64.7 31.8 95.4

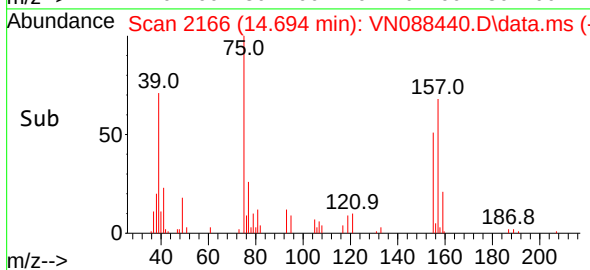
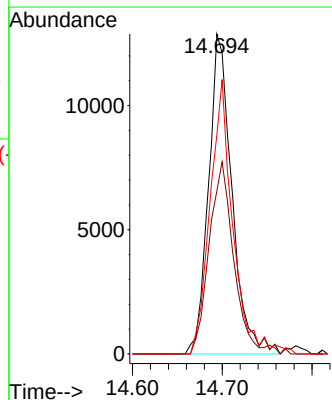
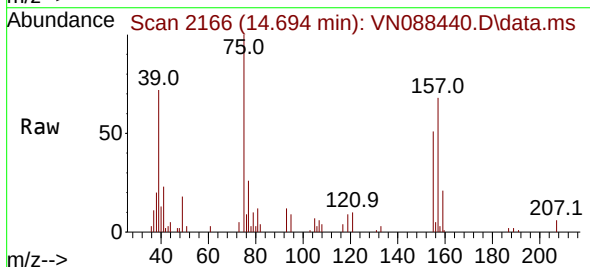
Manual Integrations
APPROVED

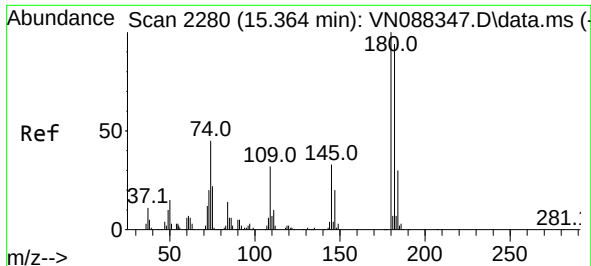
Reviewed By :John Carbone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.560 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

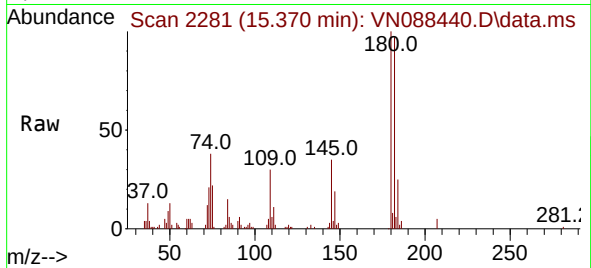
Tgt Ion: 75 Resp: 23318
Ion Ratio Lower Upper
75 100
155 63.5 33.7 101.1
157 83.8 43.8 131.3





#93
1,2,4-Trichlorobenzene
Concen: 16.486 ug/l
RT: 15.370 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11

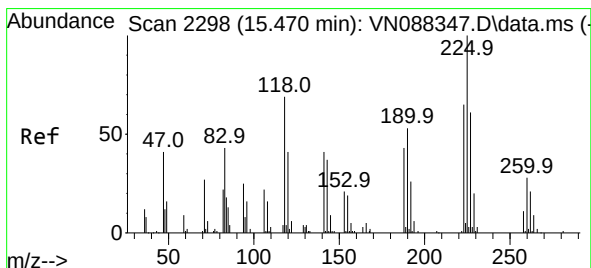
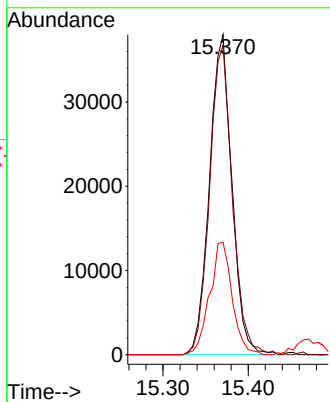
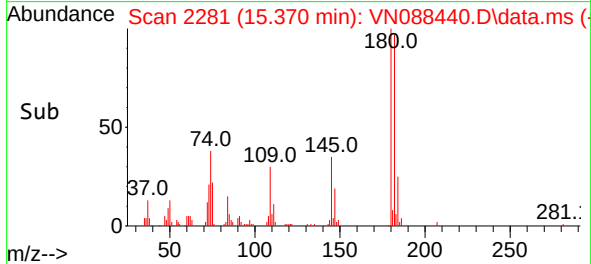
Instrument :
MSVOA_N
ClientSampleId :
VN1204MBS01



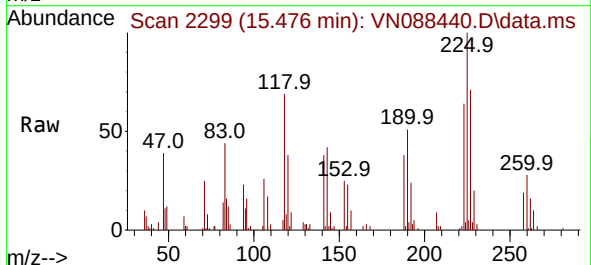
Tgt Ion:180 Resp: 6950
Ion Ratio Lower Upper
180 100
182 98.1 46.1 138.2
145 35.2 16.7 50.1

Manual Integrations
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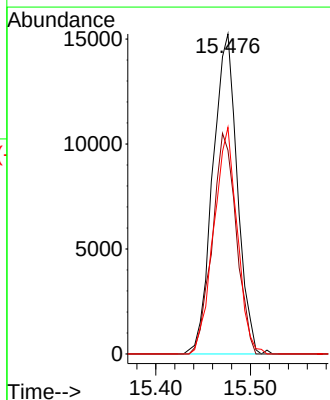
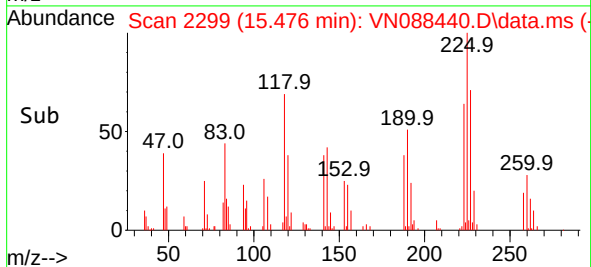
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

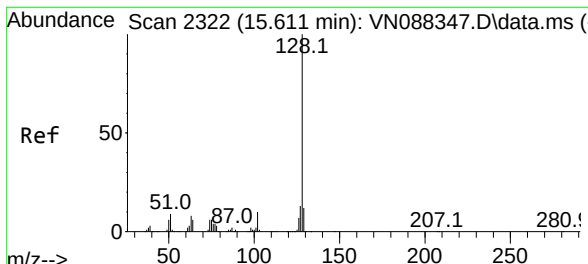


#94
Hexachlorobutadiene
Concen: 18.078 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN088440.D
Acq: 04 Dec 2025 13:11



Tgt Ion:225 Resp: 27388
Ion Ratio Lower Upper
225 100
223 67.7 32.3 96.8
227 67.8 29.9 89.8





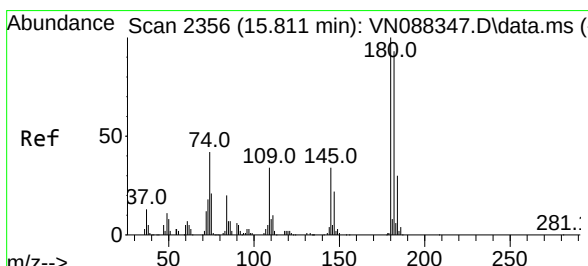
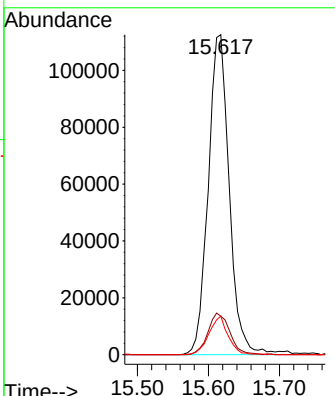
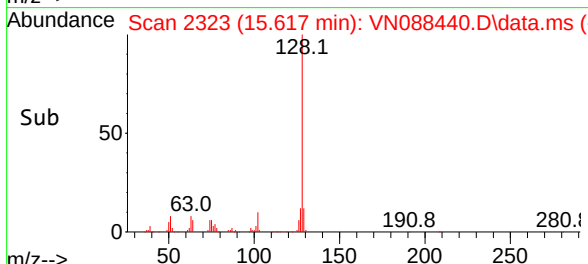
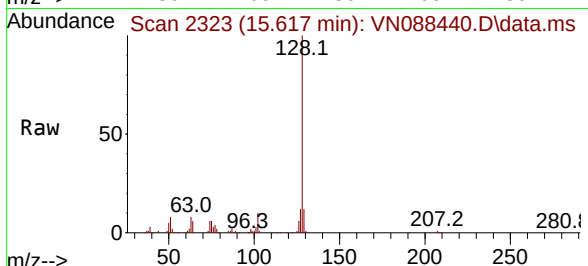
#95
 Naphthalene
 Concen: 15.790 ug/l
 RT: 15.617 min Scan# 2323
 Delta R.T. 0.006 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

Instrument : MSVOA_N
 ClientSampleId : VN1204MBS01

Tgt Ion:	128	Resp:	23068
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	11.1	9.0	13.6

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/05/2025
 Supervised By :Semsettin Yesilyurt 12/05/2025



#96
 1,2,3-Trichlorobenzene
 Concen: 16.932 ug/l
 RT: 15.812 min Scan# 2356
 Delta R.T. 0.000 min
 Lab File: VN088440.D
 Acq: 04 Dec 2025 13:11

Tgt Ion:	180	Resp:	69472
Ion Ratio	Lower	Upper	
180	100		
182	94.6	45.9	137.7
145	35.0	17.8	53.4

