

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
 Data File : VN088276.D
 Acq On : 13 Nov 2025 11:08
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:33:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:31:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	55911	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	311518	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	279554	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	154791	34.317	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 114.400%#			
60) 4-Bromofluorobenzene	12.829	95	143308	31.127	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.767%			
63) Toluene-d8	10.541	98	396360	31.299	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	202763	59.321	ug/l	99
3) Chloromethane	2.383	50	196949	52.368	ug/l	95
4) Vinyl Chloride	2.536	62	209252	53.337	ug/l	99
5) Bromomethane	2.977	94	107066	50.983	ug/l	93
6) Chloroethane	3.136	64	124513	48.668	ug/l	95
7) Trichlorofluoromethane	3.512	101	295192	54.558	ug/l	95
8) Diethyl Ether	3.965	74	104470	45.088	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	151998	52.734	ug/l	82
10) 1,1-Dichloroethene	4.336	96	149214	49.573	ug/l	85
11) Methyl Iodide	4.583	142	168273	57.790	ug/l	85
12) Methyl Acetate	5.018	43	238741	49.250	ug/l	93
13) Acrolein	4.177	56	164787	222.681	ug/l	96
14) Acrylonitrile	5.706	53	541419	234.654	ug/l	99
15) Acetone	4.424	58	158252	234.503	ug/l	94
16) Carbon Disulfide	4.706	76	513072	53.381	ug/l	100
17) Allyl chloride	5.012	41	293130	51.598	ug/l	96
18) Methylene Chloride	5.259	84	184772	48.711	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	172251	49.537	ug/l	98
20) Diisopropyl ether	6.659	45	597968	46.983	ug/l	97
21) 1,1-Dichloroethane	6.553	63	347380	51.389	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	199123	46.782	ug/l	98
23) tert-Butyl Alcohol	5.530	59	189443m	209.762	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	596789	47.134	ug/l	99
25) Chloroform	7.947	83	342347	49.668	ug/l	97
26) Cyclohexane	8.235	56	298210	52.690	ug/l	100
29) 1,1-Dichloropropene	8.353	75	244552	52.624	ug/l	99
30) 2-Butanone	7.471	43	776756	236.100	ug/l	99
31) 2,2-Dichloropropane	7.471	77	301771	51.101	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	300299	52.171	ug/l	99
33) Carbon Tetrachloride	8.341	117	258895	53.323	ug/l	96
34) Benzene	8.588	78	722849	48.174	ug/l	98
35) Methacrylonitrile	7.765	41	159534	46.282	ug/l	97
36) 1,2-Dichloroethane	8.653	62	283447	53.288	ug/l	100
37) Trichloroethene	9.329	130	166803	47.370	ug/l	100
38) Methylcyclohexane	9.577	83	287564	50.783	ug/l	99
39) 1,2-Dichloropropane	9.600	63	184617	48.942	ug/l	97
40) Dibromomethane	9.688	93	131620	48.007	ug/l	98
41) Bromodichloromethane	9.865	83	269136	48.418	ug/l	99
42) Vinyl Acetate	6.588	43	2683358m	237.292	ug/l	

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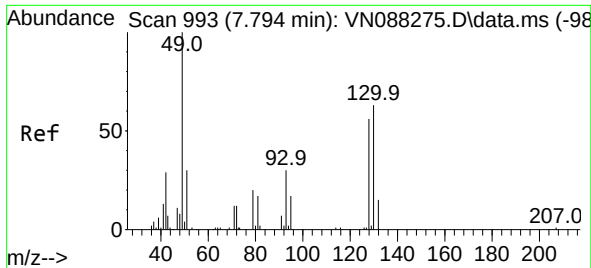
Quant Time: Nov 14 00:33:32 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	315737m	49.283	ug/l	
44) Isopropyl Acetate	8.671	43	482542	46.694	ug/l	99
45) 1,4-Dioxane	9.682	88	59672	890.836	ug/l	96
46) Methyl methacrylate	9.665	41	228386	48.764	ug/l	94
47) n-amyl Acetate	12.500	43	236169m	48.538	ug/l	
48) t-1,3-Dichloropropene	10.818	75	285594	46.692	ug/l	96
49) cis-1,3-Dichloropropene	10.288	75	301442	46.984	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	165256	46.289	ug/l	95
51) Ethyl methacrylate	10.853	69	276826	46.165	ug/l	96
52) 1,3-Dichloropropane	11.141	76	298832	47.547	ug/l	100
53) Dibromochloromethane	11.335	129	191134	45.155	ug/l	99
54) 1,2-Dibromoethane	11.447	107	168709	44.499	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	732371	226.148	ug/l	98
56) Bromoform	12.553	173	120289	42.562	ug/l	98
58) 4-Methyl-2-Pentanone	10.424	43	1495694	238.212	ug/l	100
59) 2-Hexanone	11.176	43	1024210	248.170	ug/l	100
61) Tetrachloroethene	11.082	164	137527	47.874	ug/l	98
62) Toluene	10.606	91	754127	47.127	ug/l	100
64) Chlorobenzene	11.871	112	463060	45.876	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	157503	45.435	ug/l	96
66) Ethyl Benzene	11.941	91	844642	48.524	ug/l	100
67) m/p-Xylenes	12.047	106	639721	95.987	ug/l	100
68) o-Xylene	12.376	106	299638	45.862	ug/l	99
69) Styrene	12.388	104	514330	47.146	ug/l	99
70) Isopropylbenzene	12.670	105	793307	48.480	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	252114	45.966	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	244240m	47.973	ug/l	
73) Bromobenzene	12.959	156	179669	45.956	ug/l	99
74) n-propylbenzene	13.012	91	991194	49.867	ug/l	100
75) 2-Chlorotoluene	13.100	91	592686	49.020	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	674081	48.695	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	85815	42.857	ug/l	99
78) 4-Chlorotoluene	13.200	91	605977	49.346	ug/l	99
79) tert-butylbenzene	13.412	119	576731	48.395	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	674243	48.884	ug/l	98
81) sec-Butylbenzene	13.594	105	835470	49.130	ug/l	100
82) p-Isopropyltoluene	13.706	119	704697	48.941	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	350626	47.120	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	346883	45.631	ug/l	98
85) n-Butylbenzene	14.035	91	664503	49.104	ug/l	98
86) Hexachloroethane	14.306	117	129811	45.501	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	324709	44.748	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	59546	47.944	ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	181481	42.739	ug/l	98
90) Hexachlorobutadiene	15.476	225	72346	47.241	ug/l	95
91) Naphthalene	15.611	128	659204	42.535	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	181481	42.739	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



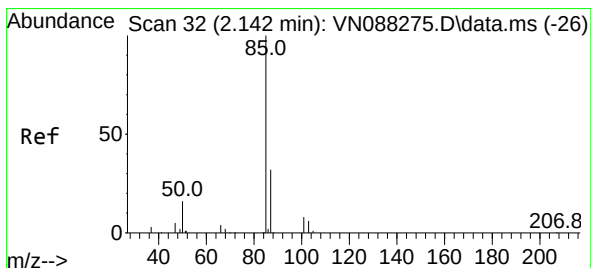
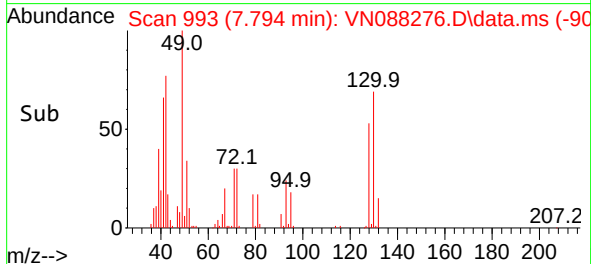
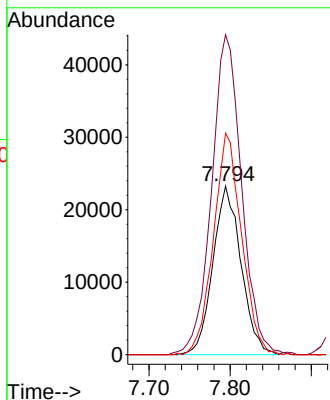
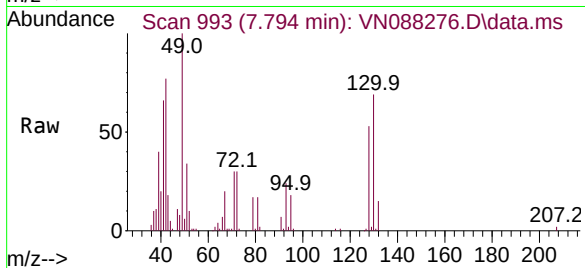
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 55911
Ion Ratio Lower Upper
128 100
49 202.5 0.0 501.2
130 131.8 0.0 320.2

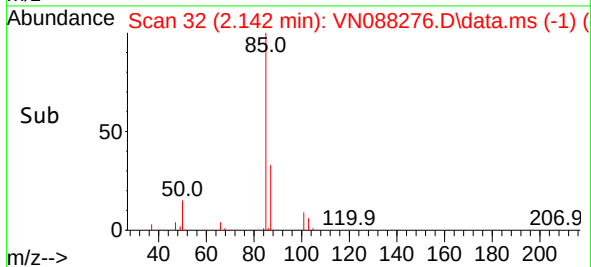
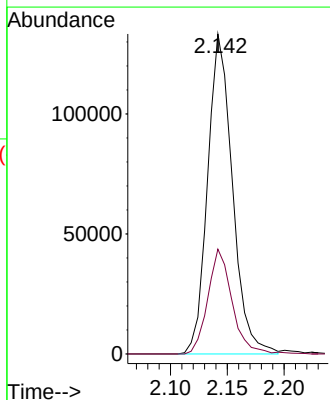
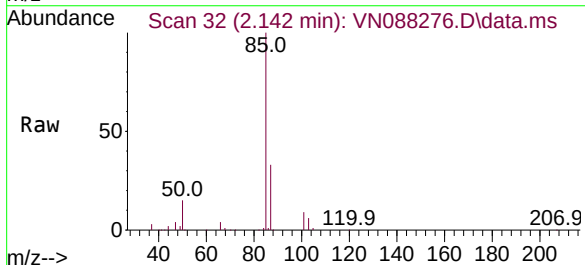
Manual Integrations
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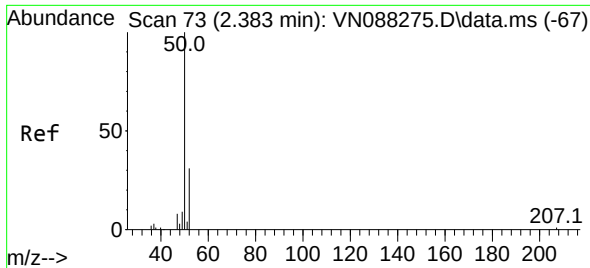
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#2
Dichlorodifluoromethane
Concen: 59.321 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

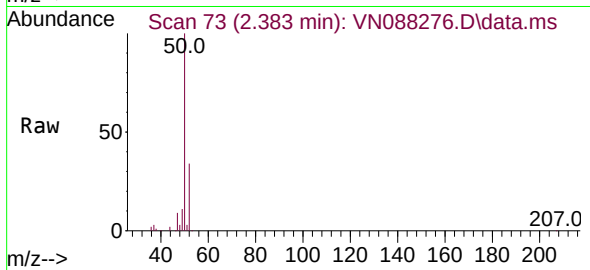
Tgt Ion: 85 Resp: 202763
Ion Ratio Lower Upper
85 100
87 32.7 16.0 48.0





#3
Chloromethane
Concen: 52.368 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

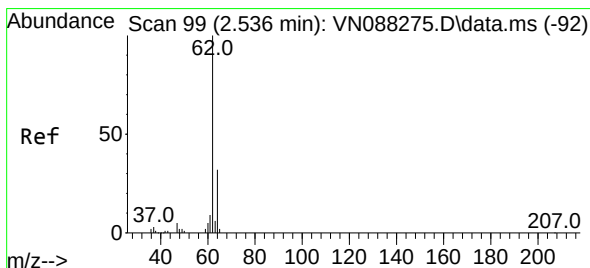
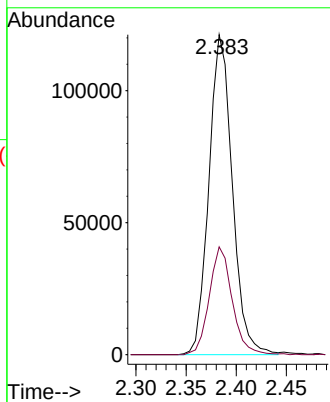
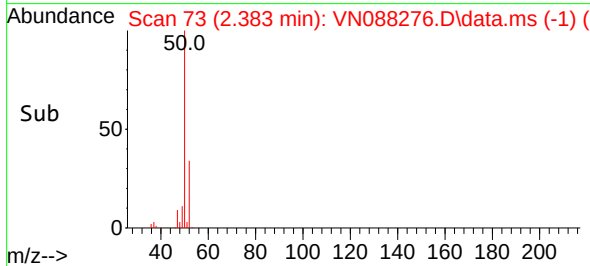
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



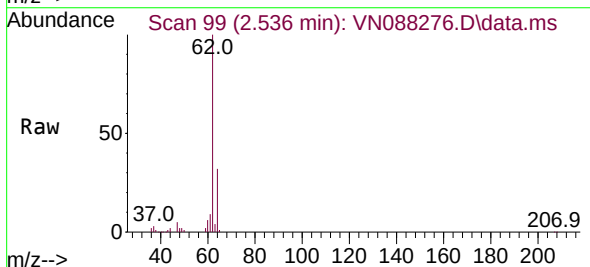
Tgt Ion: 50 Resp: 196949
Ion Ratio Lower Upper
50 100
52 33.7 24.6 36.8

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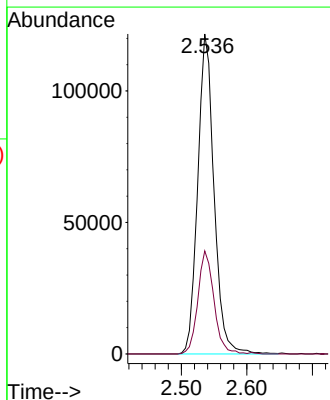
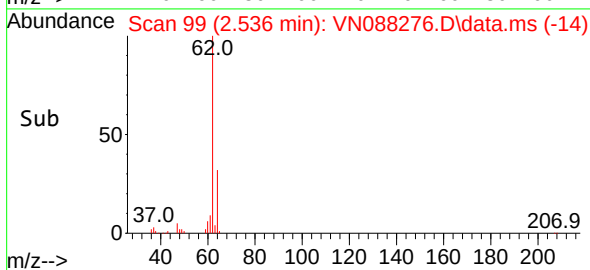
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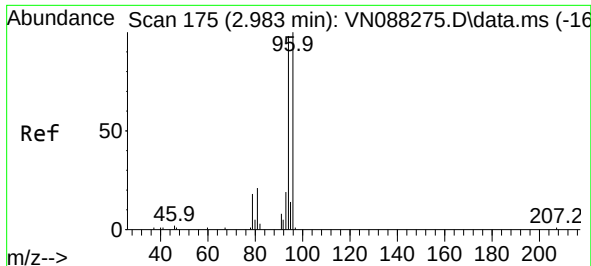


#4
Vinyl Chloride
Concen: 53.337 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



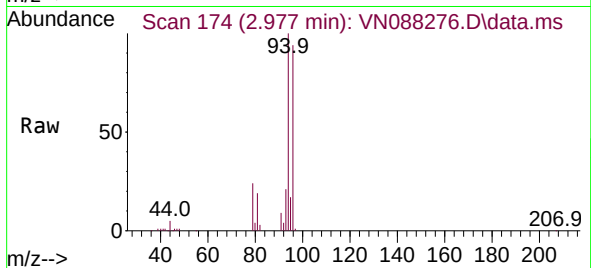
Tgt Ion: 62 Resp: 209252
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.2





#5
Bromomethane
Concen: 50.983 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

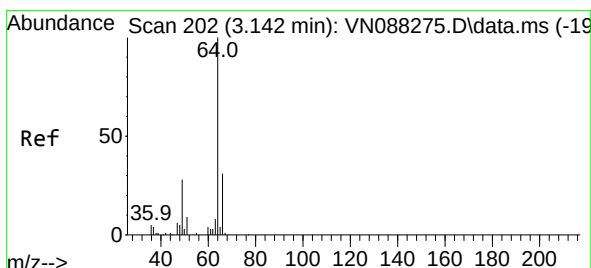
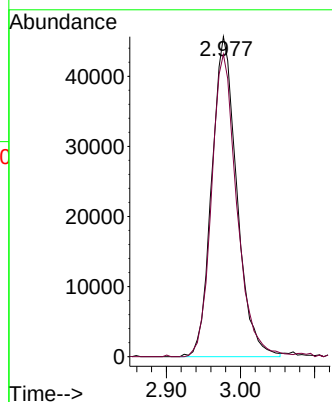
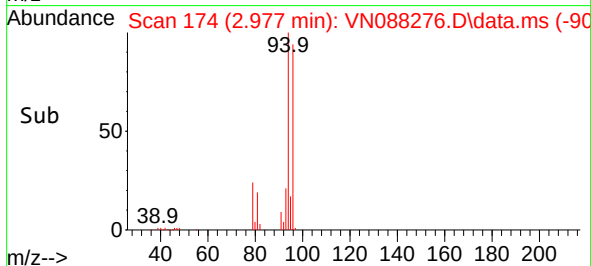
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 94 Resp: 107066
Ion Ratio Lower Upper
94 100
96 94.5 81.3 121.9

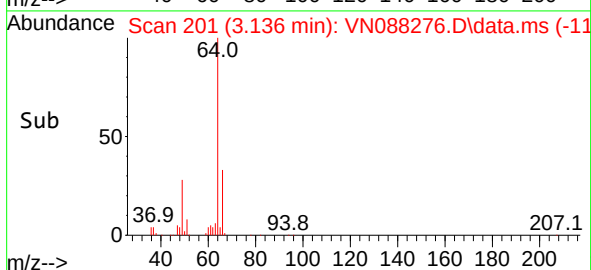
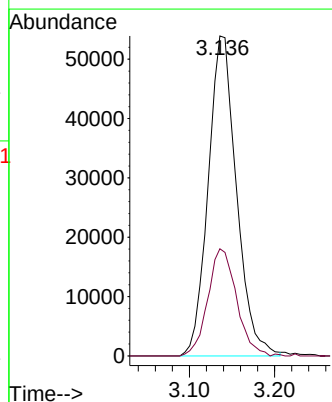
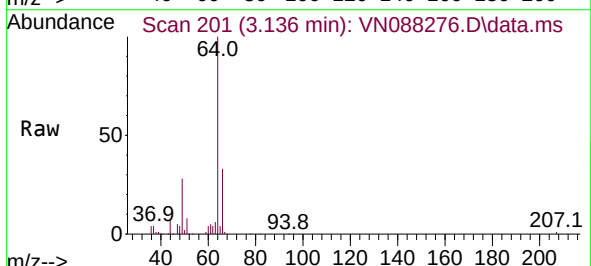
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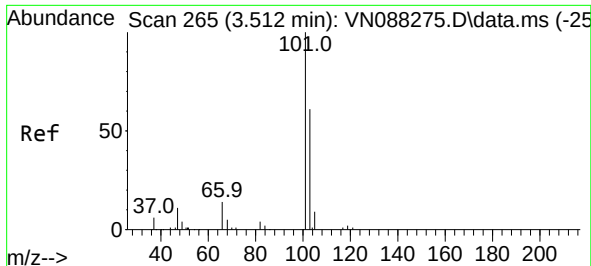
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#6
Chloroethane
Concen: 48.668 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088276.D
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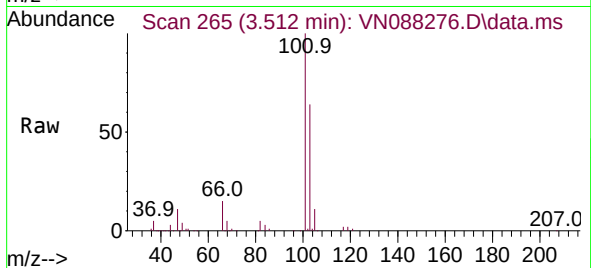
Tgt Ion: 64 Resp: 124513
Ion Ratio Lower Upper
64 100
66 33.5 24.7 37.1





#7
 Trichlorofluoromethane
 Concen: 54.558 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VN088276.D
 Acq: 13 Nov 2025 11:08

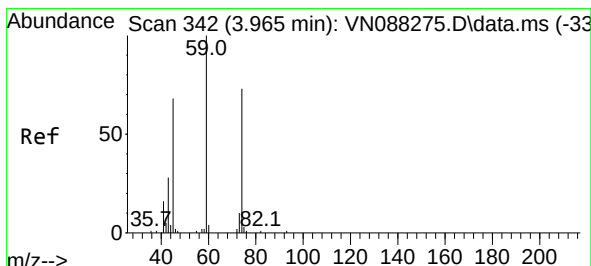
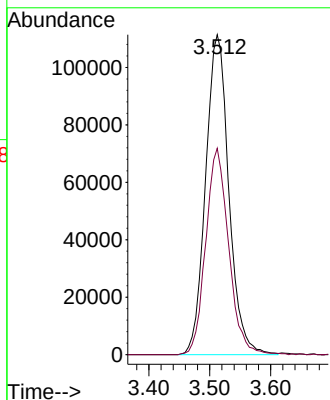
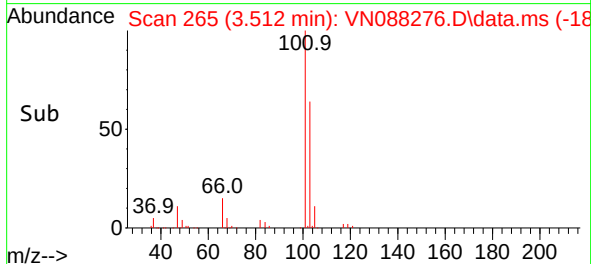
Instrument :
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Tgt Ion:101 Resp: 295192
 Ion Ratio Lower Upper
 101 100
 103 64.5 48.6 73.0

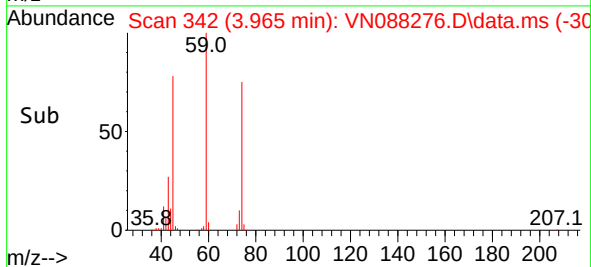
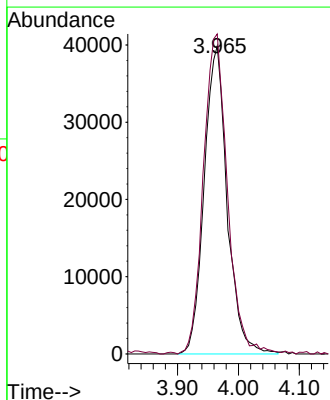
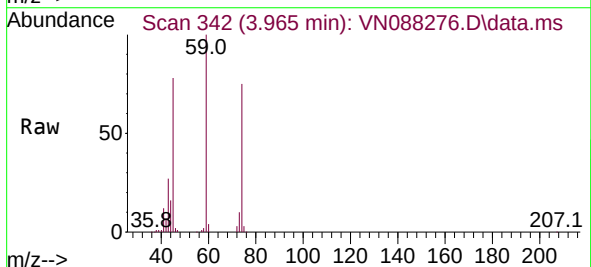
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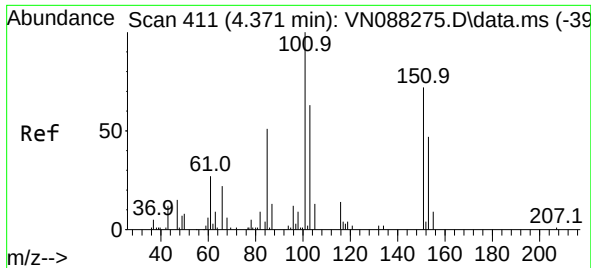
Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025



#8
 Diethyl Ether
 Concen: 45.088 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. -0.000 min
 Lab File: VN088276.D
 Acq: 13 Nov 2025 11:08

Tgt Ion: 74 Resp: 104470
 Ion Ratio Lower Upper
 74 100
 45 107.0 20.9 187.7





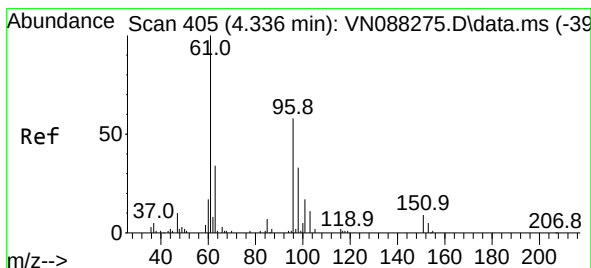
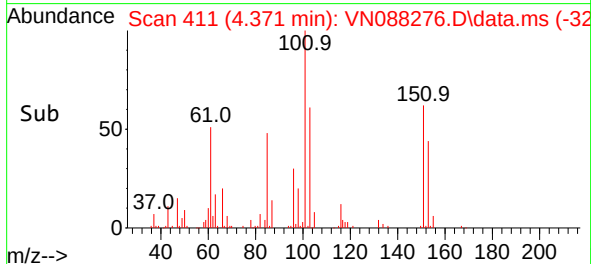
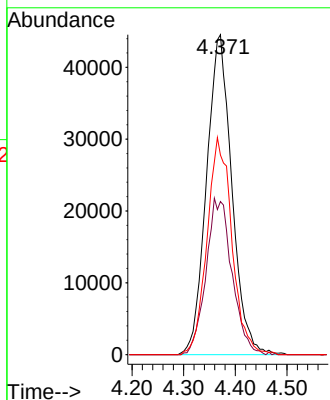
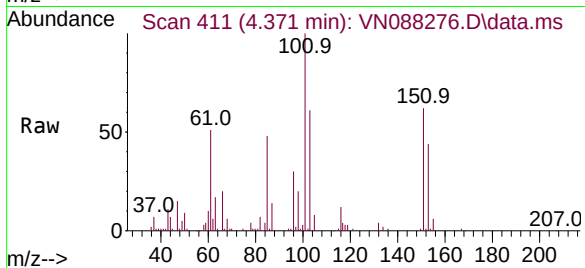
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1,1,2-Trichlorotrifluoroethane
Concen: 52.734 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 151998
Ion Ratio Lower Upper
101 100
85 24.2 0.0 100.8
151 66.8 0.0 138.4

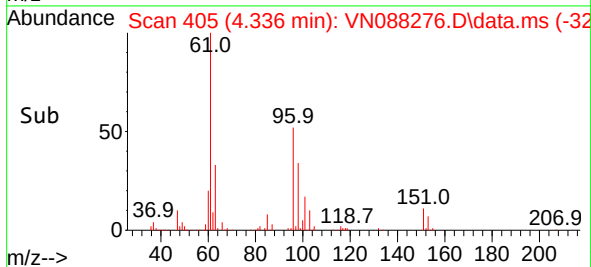
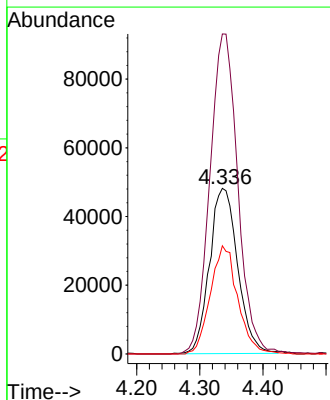
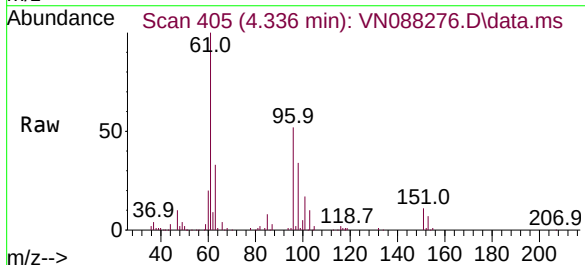
Manual Integrations
APPROVED

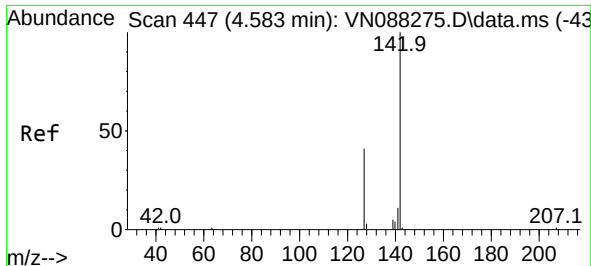
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#10
1,1-Dichloroethene
Concen: 49.573 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

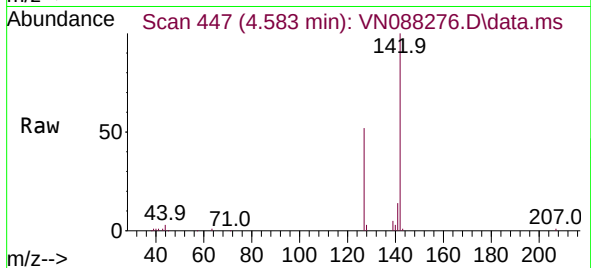
Tgt Ion: 96 Resp: 149214
Ion Ratio Lower Upper
96 100
61 194.1 137.8 206.8
98 65.6 45.6 68.4





#11
Methyl Iodide
Concen: 57.790 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

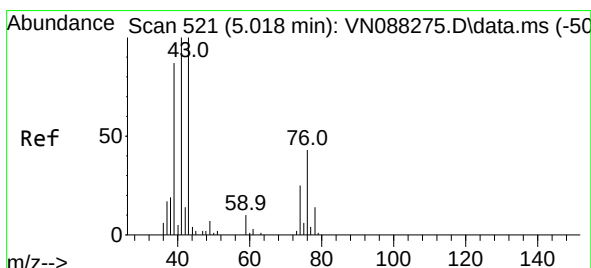
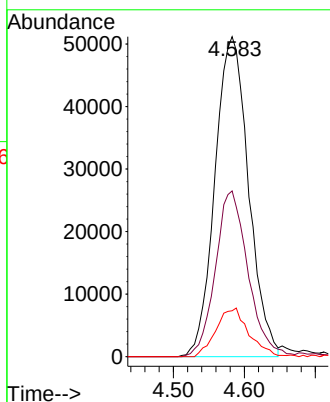
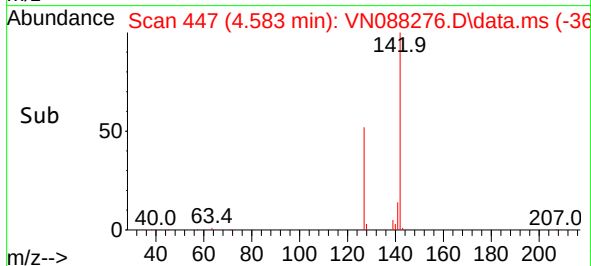
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



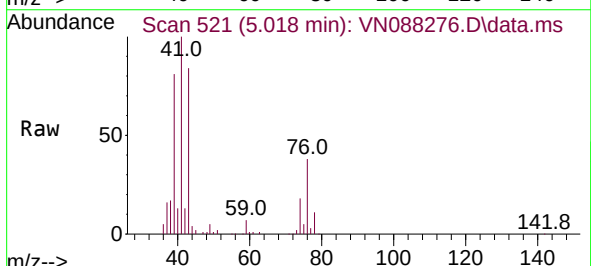
Tgt Ion:142 Resp: 168273
Ion Ratio Lower Upper
142 100
127 51.3 20.4 61.2
141 14.3 5.6 16.8

Manual Integrations
APPROVED

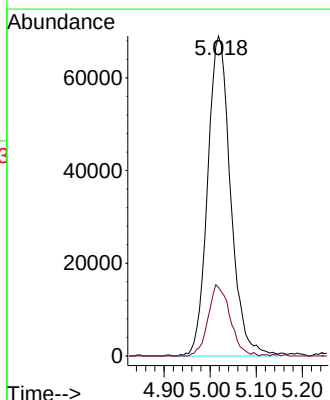
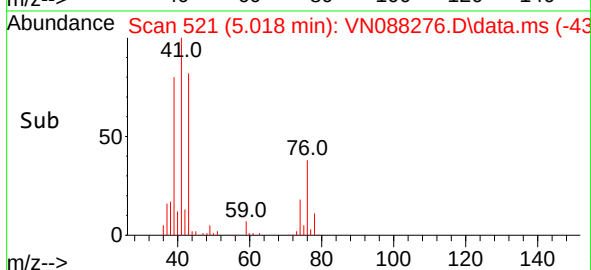
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

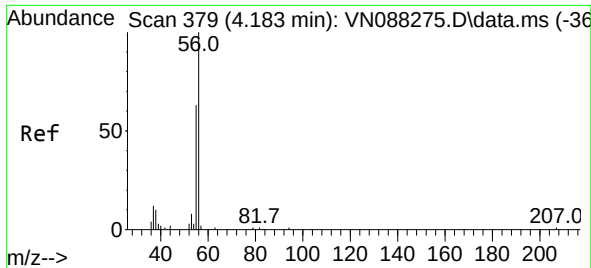


#12
Methyl Acetate
Concen: 49.250 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



Tgt Ion: 43 Resp: 238741
Ion Ratio Lower Upper
43 100
74 21.3 19.8 29.8





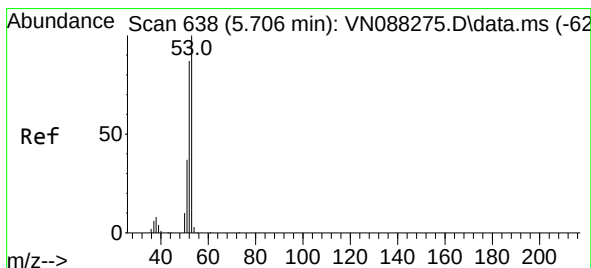
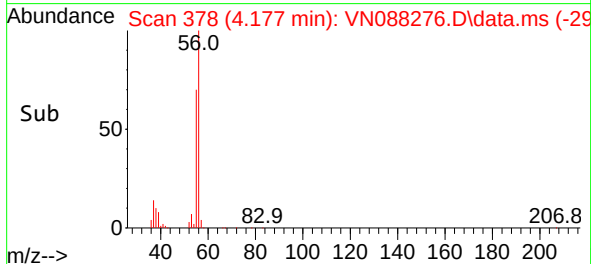
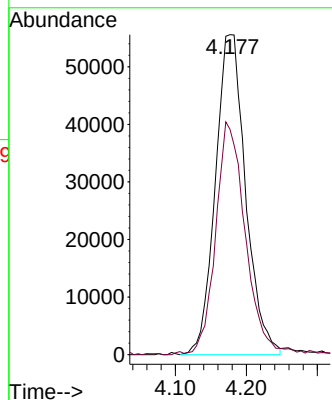
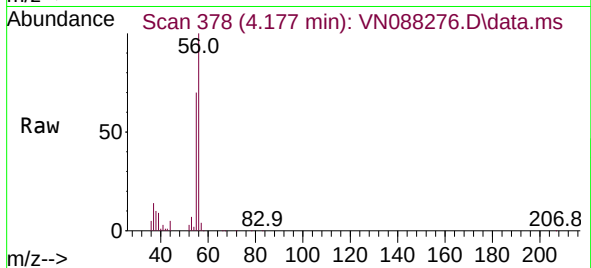
#13
Acrolein
Concen: 222.681 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 56 Resp: 16478
Ion Ratio Lower Upper
56 100
55 69.1 57.9 86.9

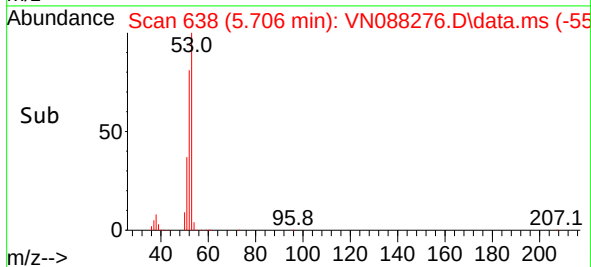
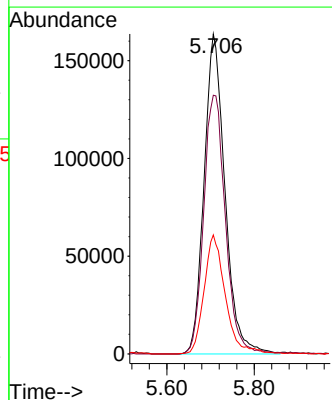
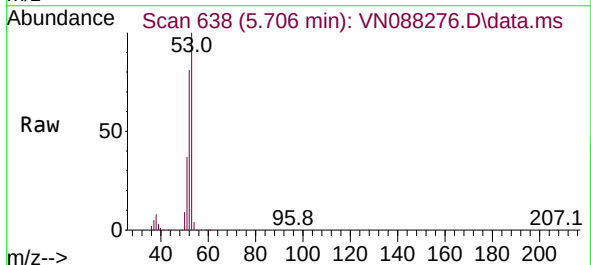
Manual Integrations
APPROVED

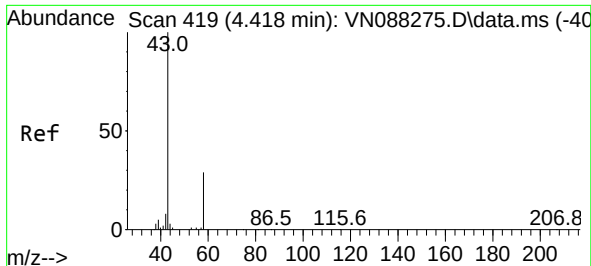
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#14
Acrylonitrile
Concen: 234.654 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

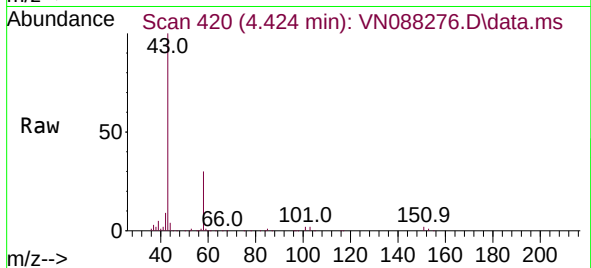
Tgt Ion: 53 Resp: 541419
Ion Ratio Lower Upper
53 100
52 84.0 42.3 126.9
51 36.0 18.4 55.2





#15
Acetone
Concen: 234.503 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

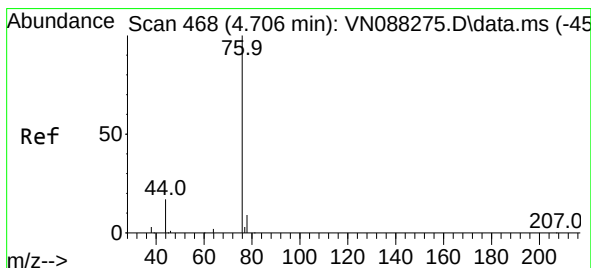
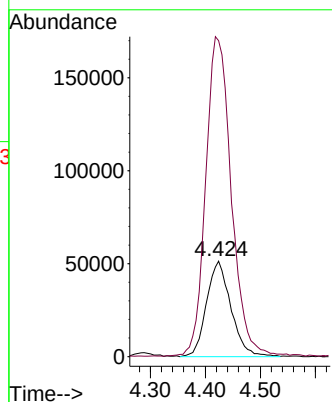
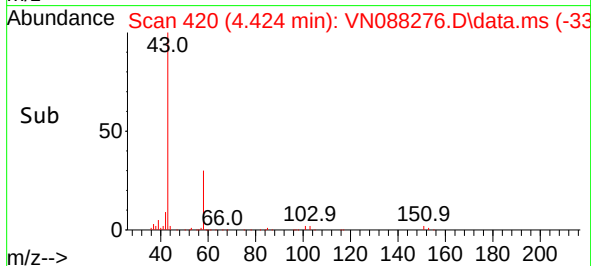
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 58 Resp: 158252
Ion Ratio Lower Upper
58 100
43 328.9 273.9 410.9

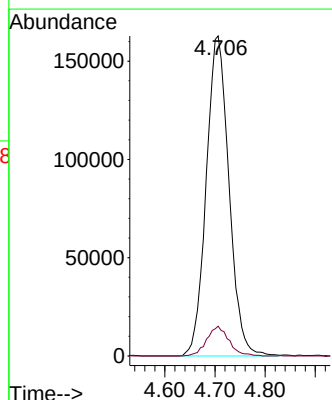
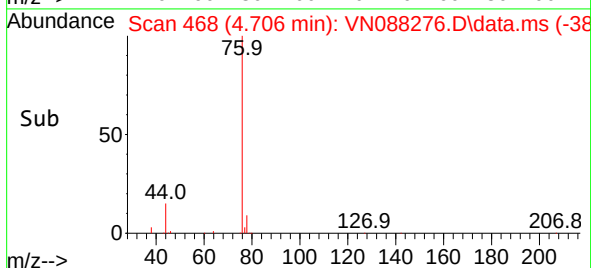
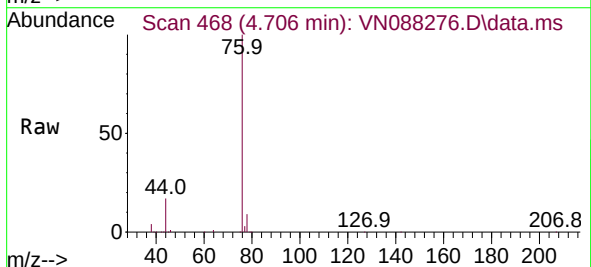
Manual Integrations
APPROVED

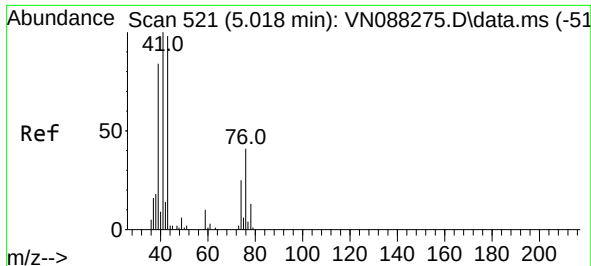
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#16
Carbon Disulfide
Concen: 53.381 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 76 Resp: 513072
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3





#17

Allyl chloride

Concen: 51.598 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

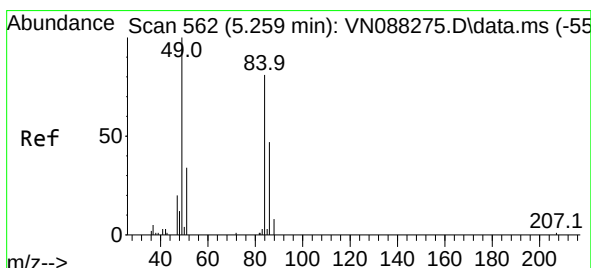
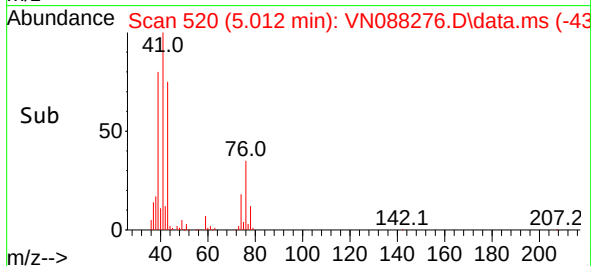
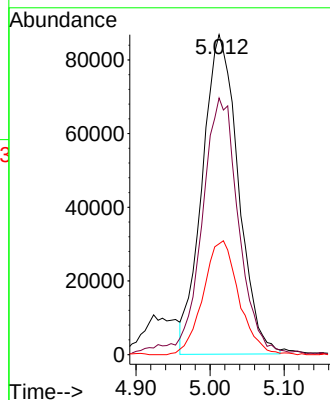
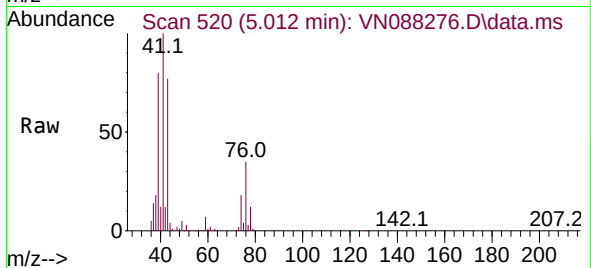
Tgt Ion:	41	Resp:	293130
Ion	Ratio	Lower	Upper
41	100		
39	79.9	38.3	114.9
76	34.7	18.5	55.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#18

Methylene Chloride

Concen: 48.711 ug/l

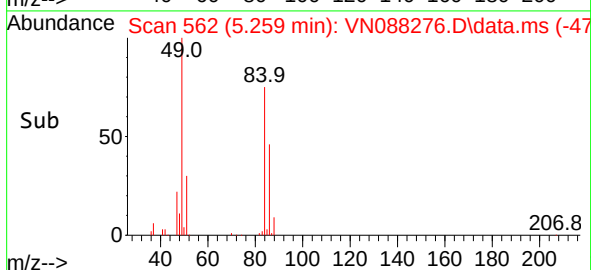
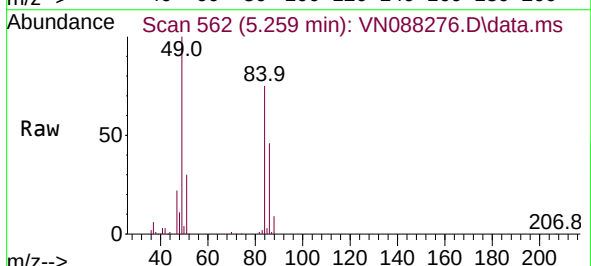
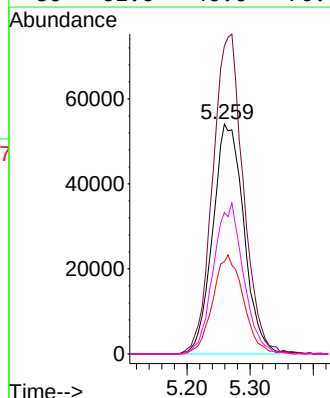
RT: 5.259 min Scan# 562

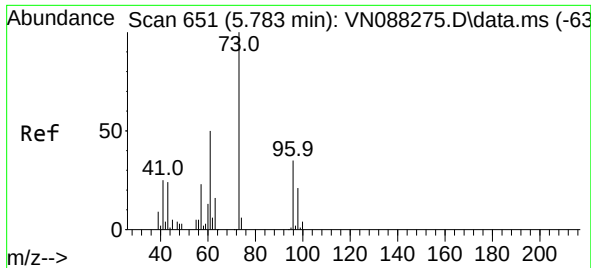
Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

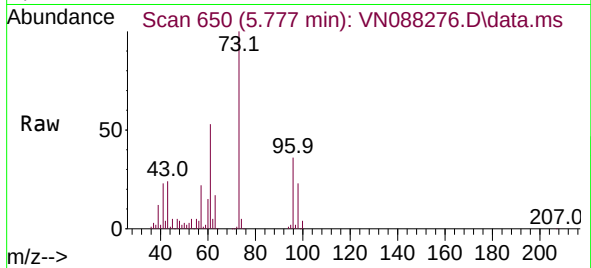
Tgt Ion:	84	Resp:	184772
Ion	Ratio	Lower	Upper
84	100		
49	133.7	98.7	148.1
51	40.2	33.7	50.5
86	61.6	46.6	70.0





#19
trans-1,2-Dichloroethene
Concen: 49.537 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

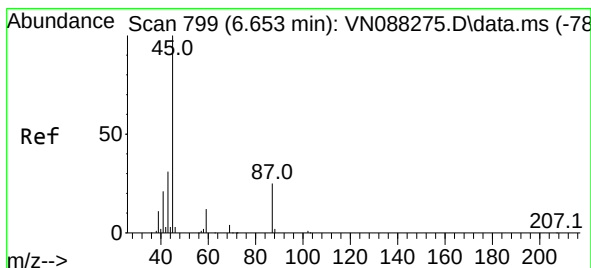
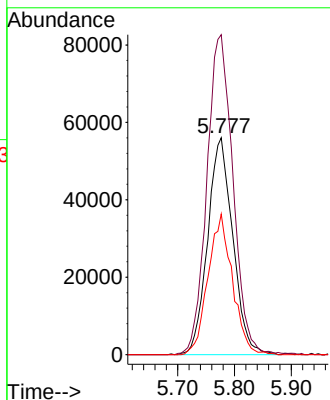
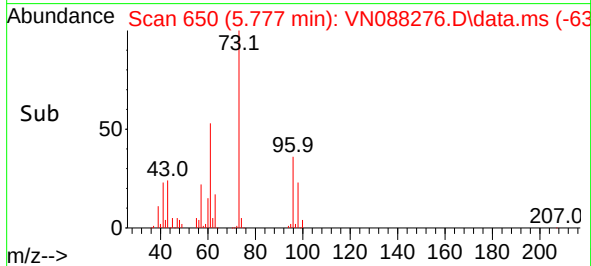
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



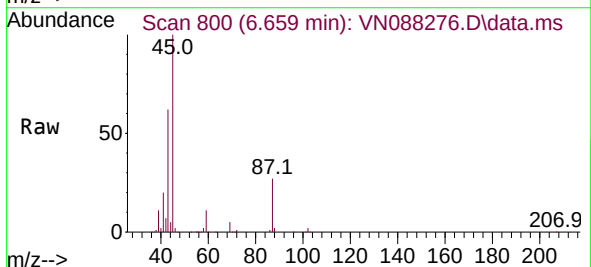
Tgt Ion: 96 Resp: 17225
Ion Ratio Lower Upper
96 100
61 147.0 117.0 175.4
98 64.8 48.6 72.8

Manual Integrations
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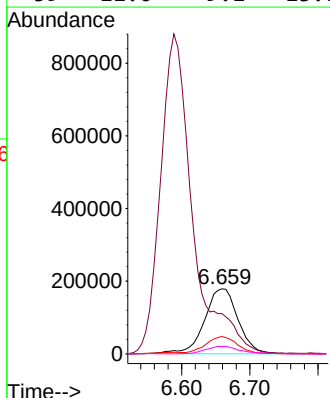
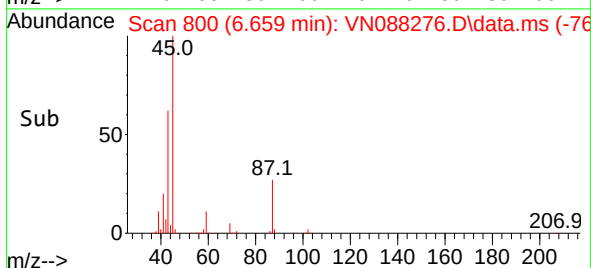
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

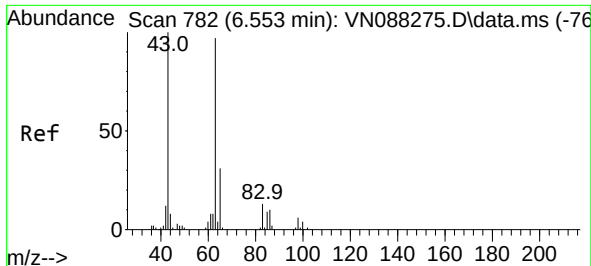


#20
Diisopropyl ether
Concen: 46.983 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



Tgt Ion: 45 Resp: 597968
Ion Ratio Lower Upper
45 100
43 60.9 51.9 77.9
87 26.7 21.1 31.7
59 11.0 9.1 13.7





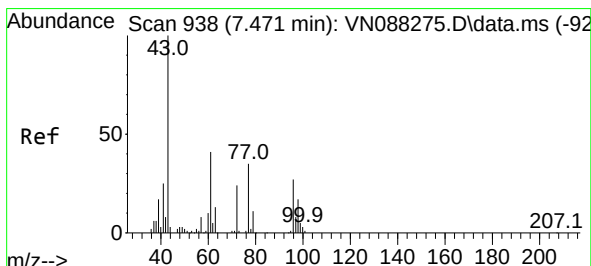
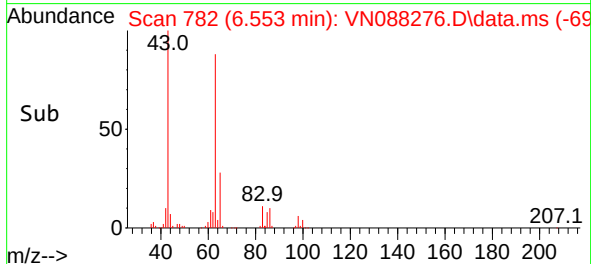
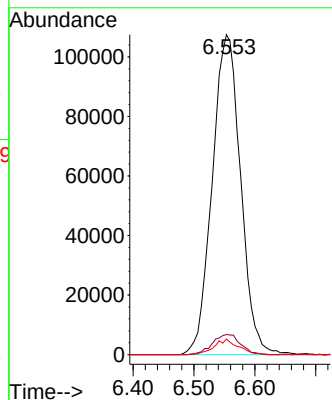
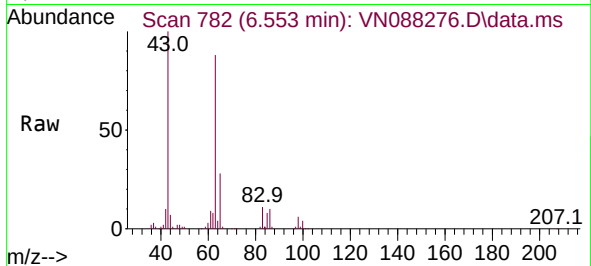
#21
1,1-Dichloroethane
Concen: 51.389 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 347386
Ion Ratio Lower Upper
63 100
98 6.3 3.0 9.0
100 4.9 2.1 6.3

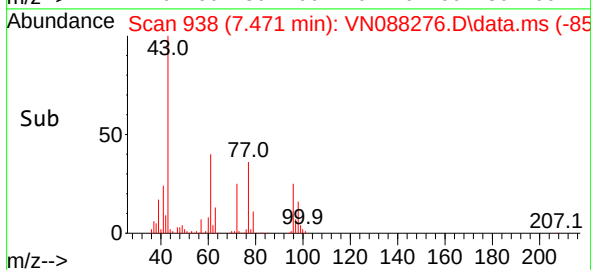
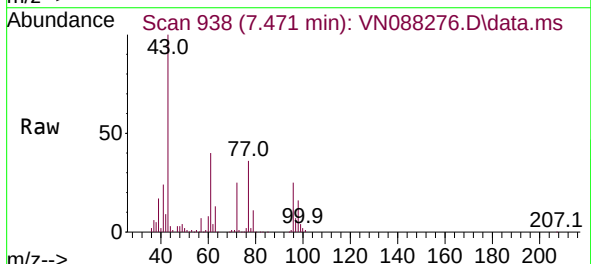
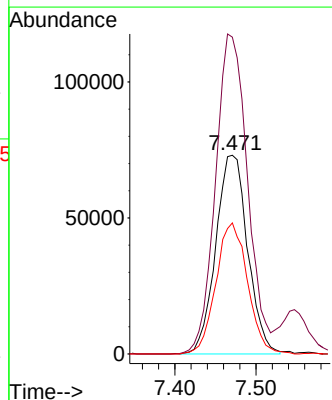
Manual Integrations
APPROVED

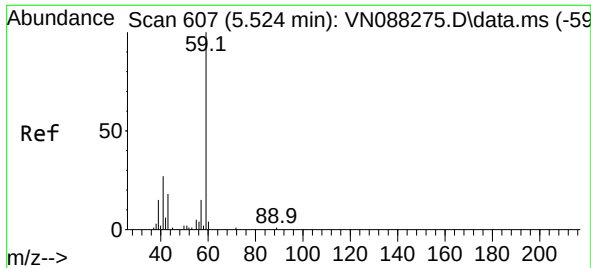
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#22
cis-1,2-Dichloroethene
Concen: 46.782 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 96 Resp: 199123
Ion Ratio Lower Upper
96 100
61 161.5 131.2 196.8
98 65.5 51.0 76.4





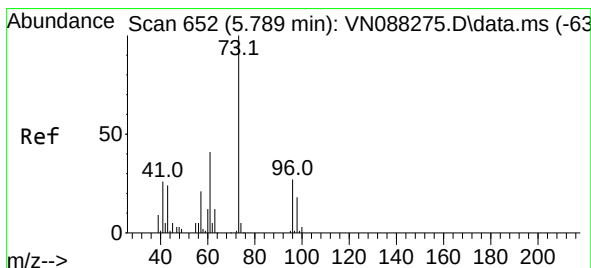
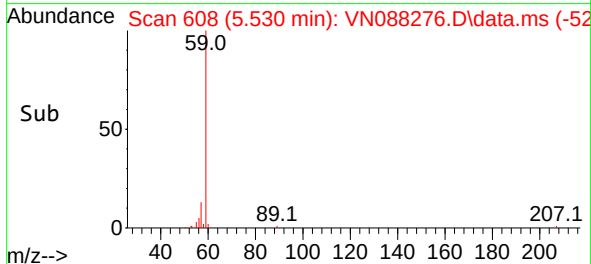
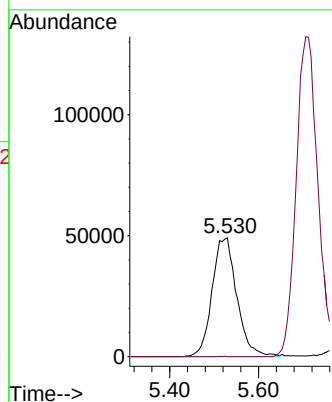
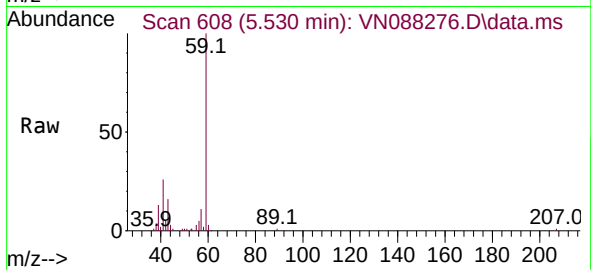
#23
tert-Butyl Alcohol
Concen: 209.762 ug/l m
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 59 Resp: 189443
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

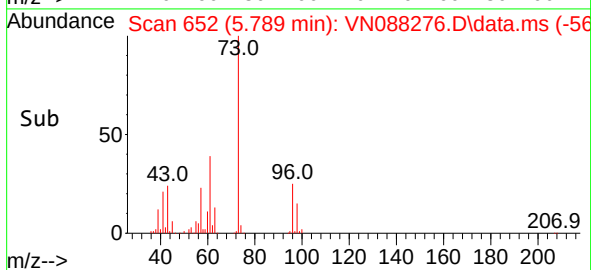
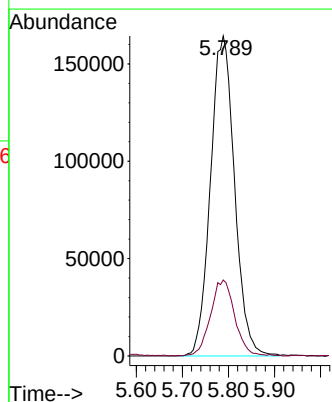
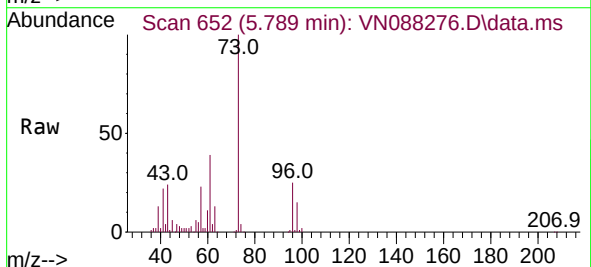
Manual Integrations
APPROVED

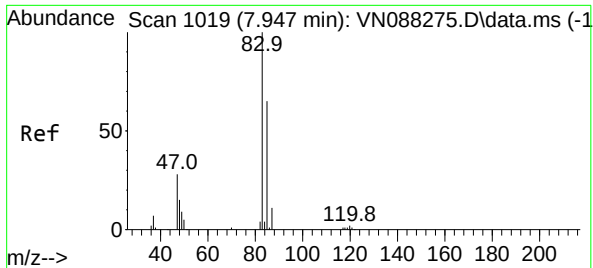
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#24
Methyl tert-Butyl Ether
Concen: 47.134 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

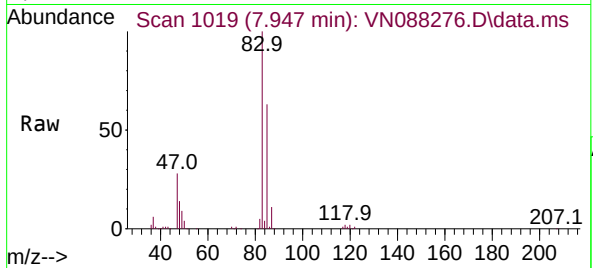
Tgt Ion: 73 Resp: 596789
Ion Ratio Lower Upper
73 100
43 23.7 18.5 27.7





#25
Chloroform
Concen: 49.668 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

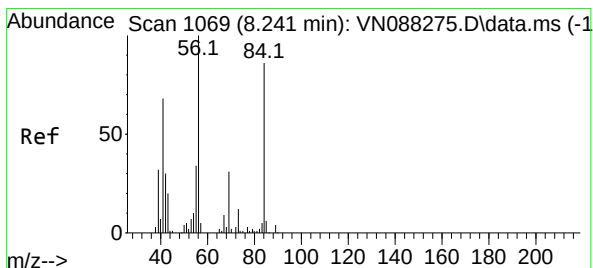
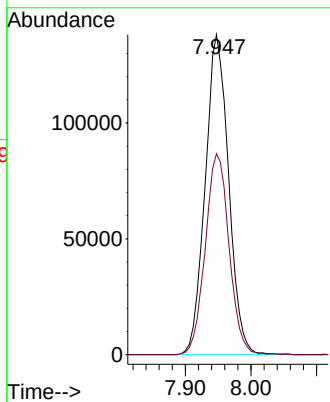
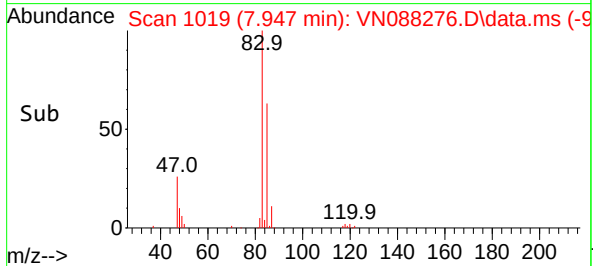
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 34234
Ion Ratio Lower Upper
83 100
85 62.7 52.2 78.4

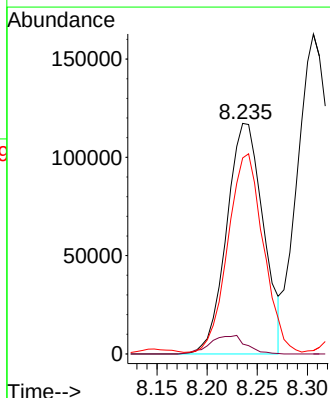
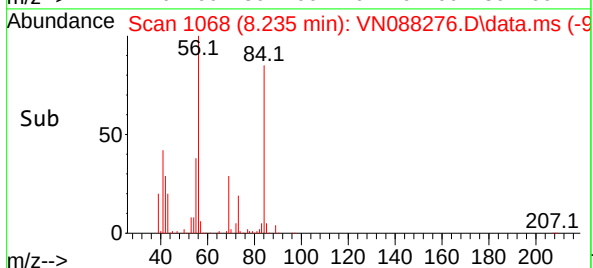
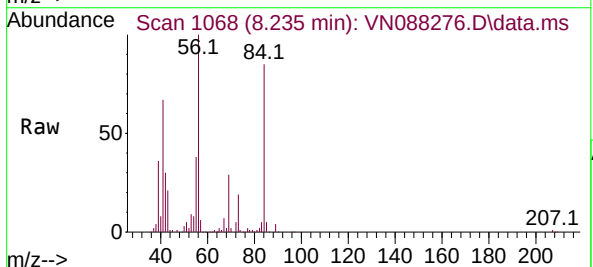
Manual Integrations
APPROVED

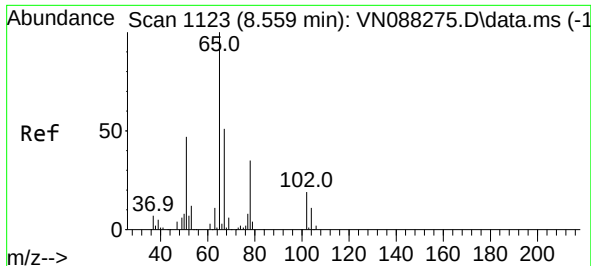
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#26
Cyclohexane
Concen: 52.690 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 56 Resp: 298210
Ion Ratio Lower Upper
56 100
89 7.8 7.3 10.9
84 84.8 67.8 101.8





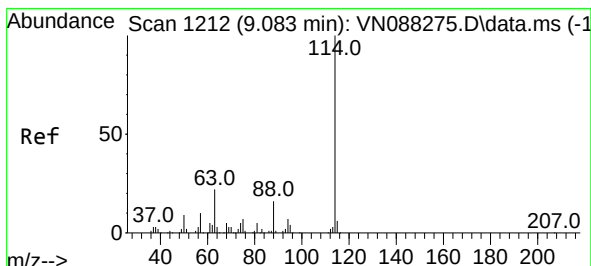
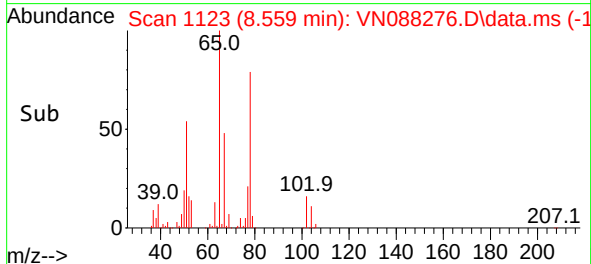
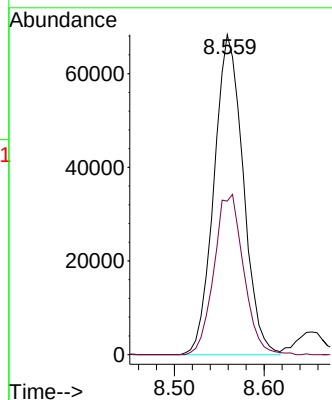
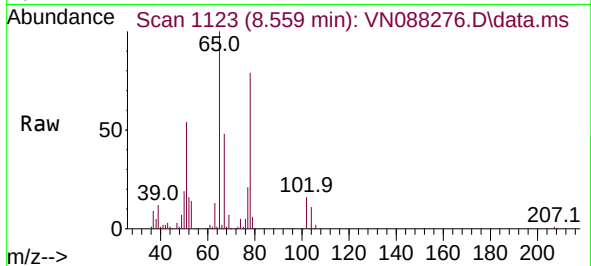
#27
1,2-Dichloroethane-d4
Concen: 34.317 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 65 Resp: 154791
Ion Ratio Lower Upper
65 100
67 50.9 40.2 60.2

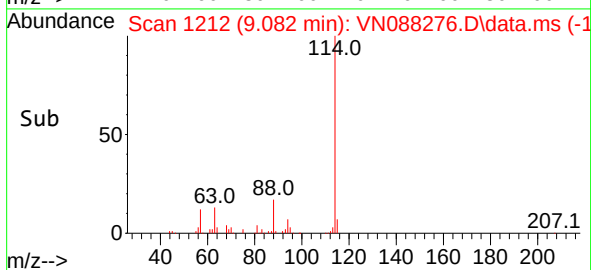
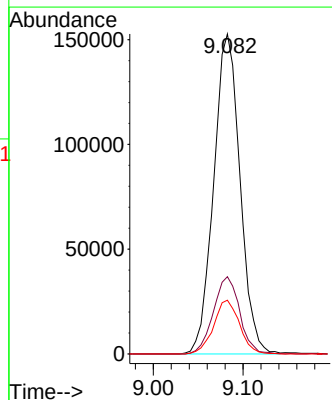
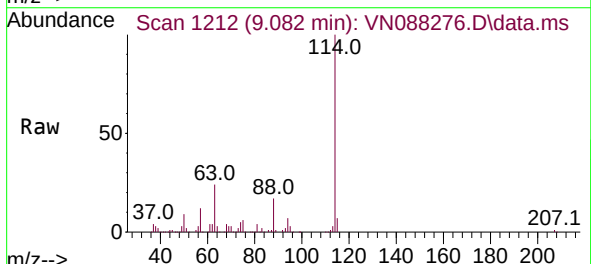
Manual Integrations
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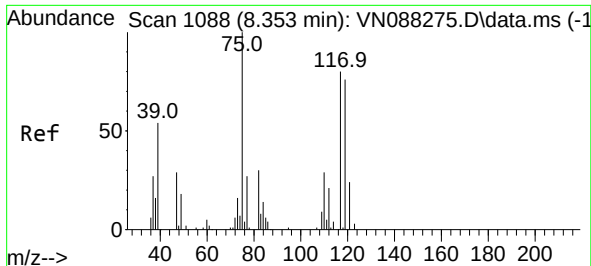
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion:114 Resp: 311518
Ion Ratio Lower Upper
114 100
63 24.1 18.9 28.3
88 16.5 12.8 19.2





#29

1,1-Dichloropropene

Concen: 52.624 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 75 Resp: 244552

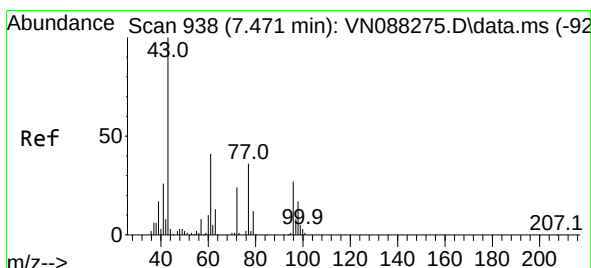
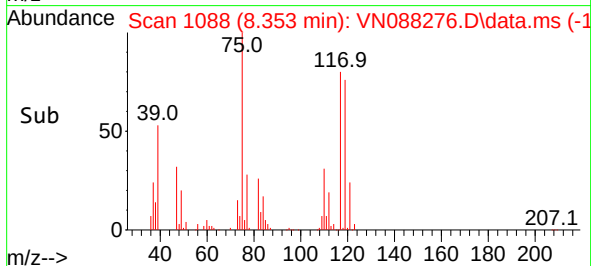
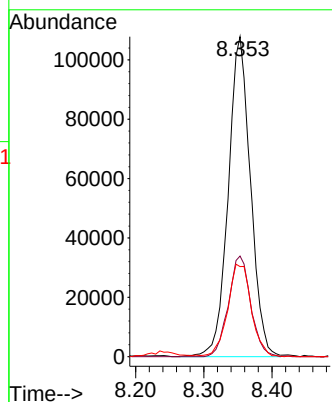
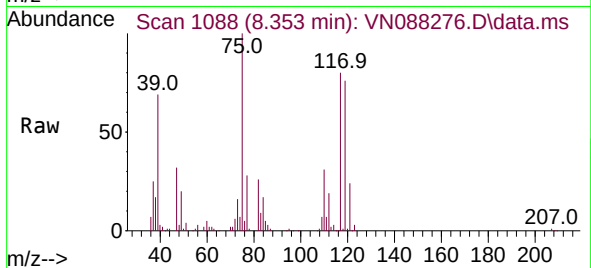
Ion	Ratio	Lower	Upper
75	100		
110	31.4	0.0	65.6
77	30.5	0.0	60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#30

2-Butanone

Concen: 236.100 ug/l

RT: 7.471 min Scan# 938

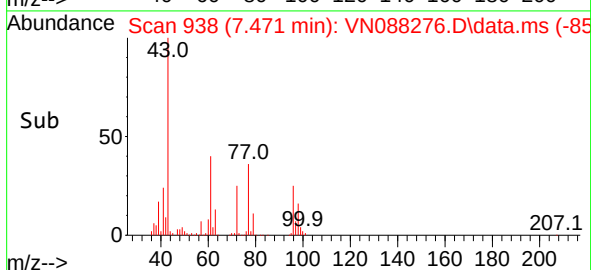
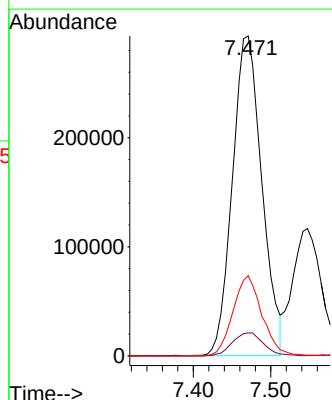
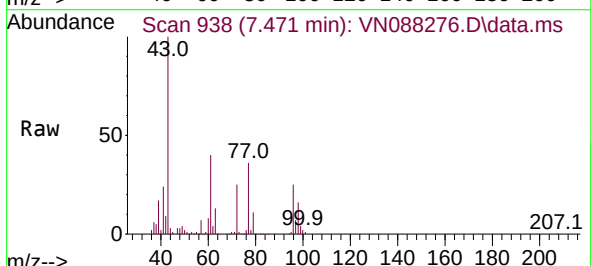
Delta R.T. -0.000 min

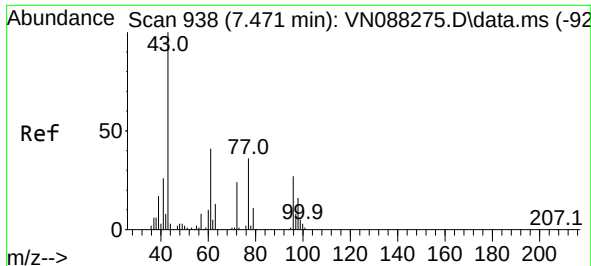
Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Tgt Ion: 43 Resp: 776756

Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.4
72	24.6	19.4	29.2





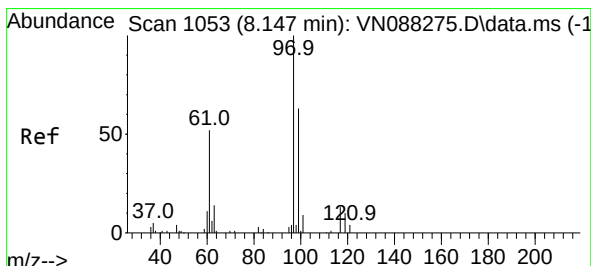
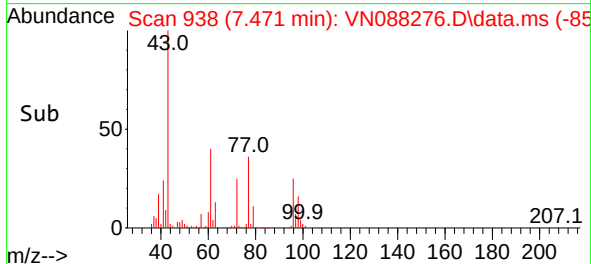
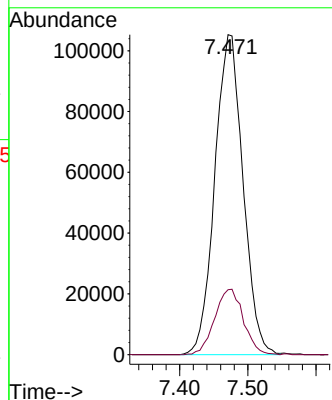
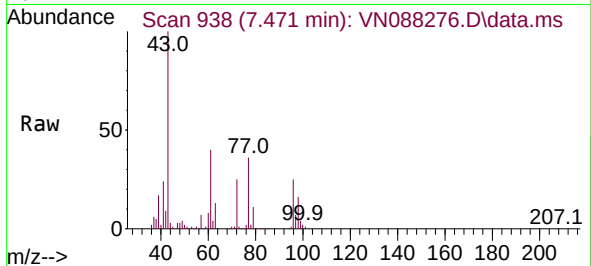
#31
2,2-Dichloropropane
Concen: 51.101 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 77 Resp: 30177
Ion Ratio Lower Upper
77 100
97 20.7 16.8 25.2

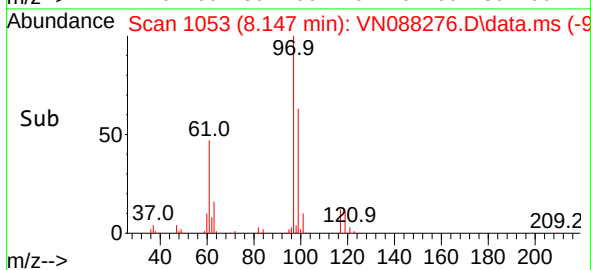
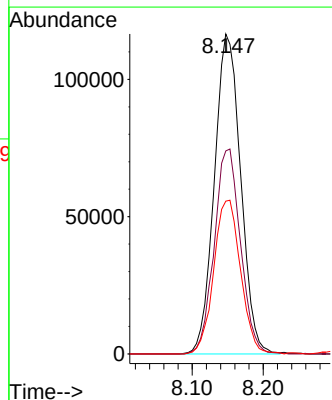
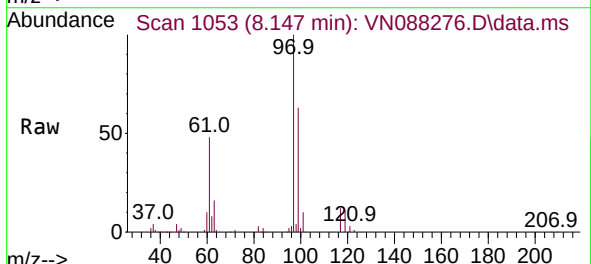
Manual Integrations
APPROVED

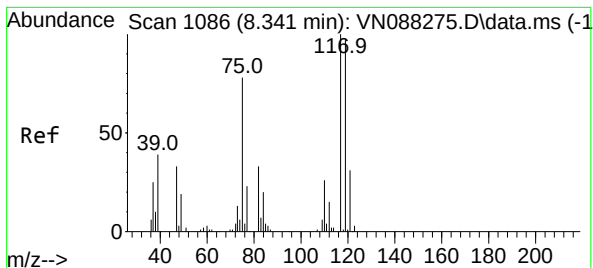
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#32
1,1,1-Trichloroethane
Concen: 52.171 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 97 Resp: 300299
Ion Ratio Lower Upper
97 100
99 63.9 50.2 75.4
61 49.0 39.8 59.8





#33

Carbon Tetrachloride

Concen: 53.323 ug/l

RT: 8.341 min Scan# 1086

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 117 Resp: 258895

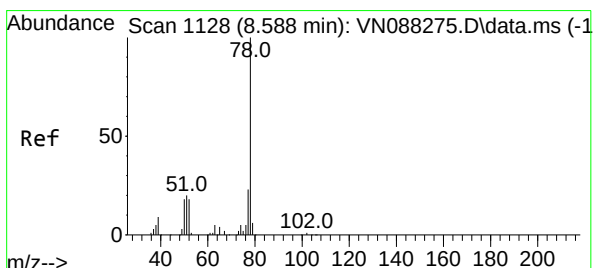
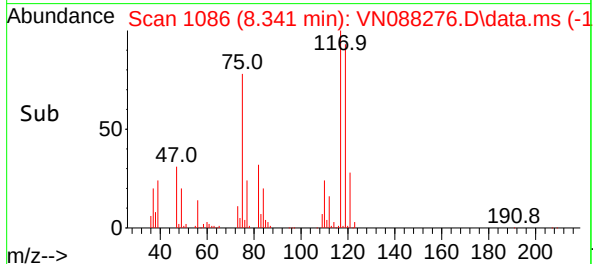
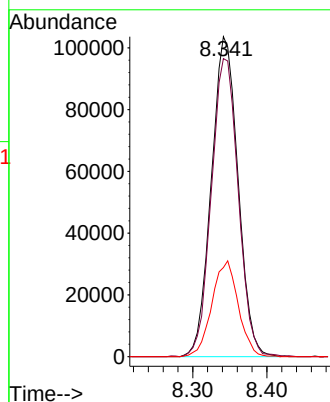
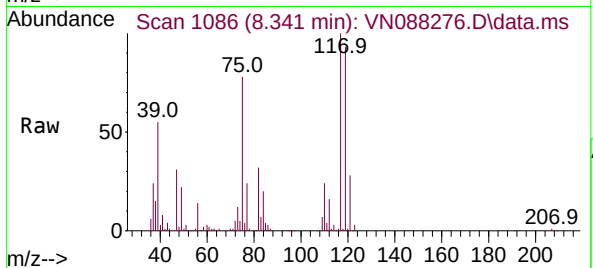
Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.8	116.8
121	27.8	24.5	36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#34

Benzene

Concen: 48.174 ug/l

RT: 8.588 min Scan# 1128

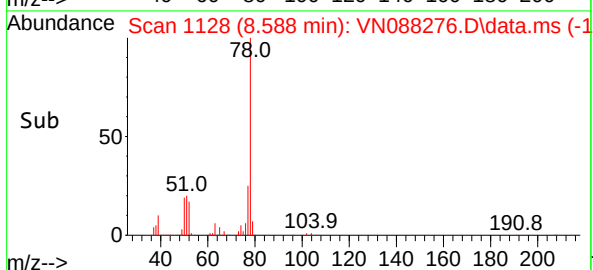
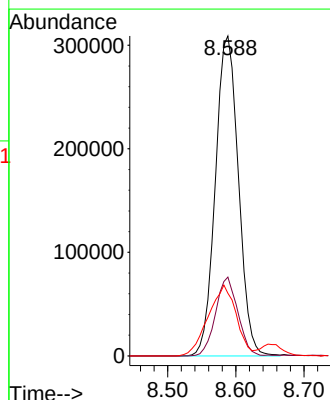
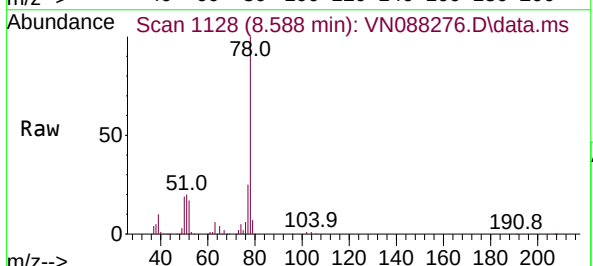
Delta R.T. -0.000 min

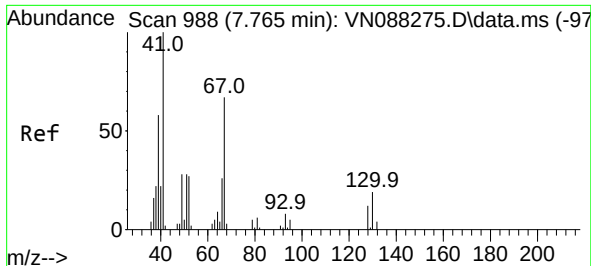
Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Tgt Ion: 78 Resp: 722849

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	27.8
51	19.4	15.8	23.8





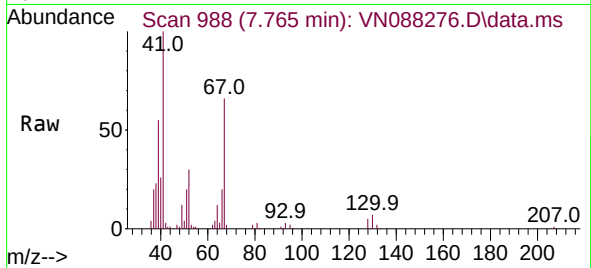
#35
Methacrylonitrile
Concen: 46.282 ug/l
RT: 7.765 min Scan# 988
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050



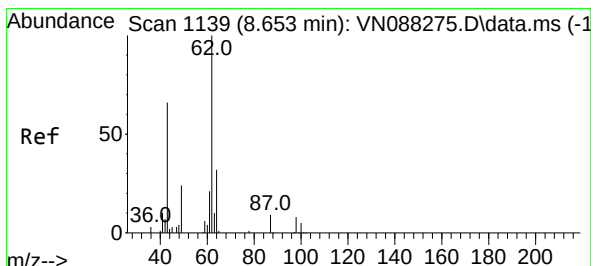
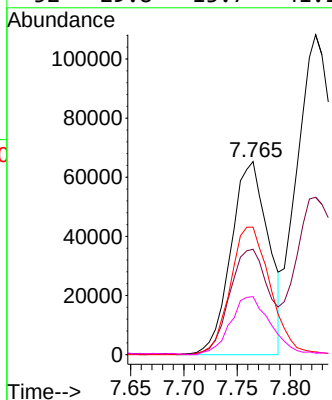
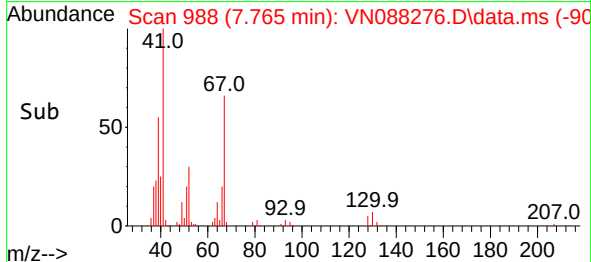
Tgt Ion: 41 Resp: 159534
Ion Ratio Lower Upper
41 100
39 54.4 29.0 87.0
67 66.1 33.3 99.9
52 29.8 13.7 41.1

Manual Integrations

APPROVED

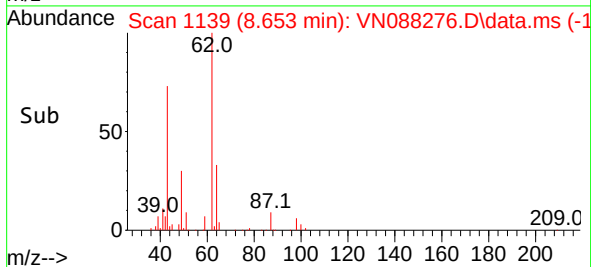
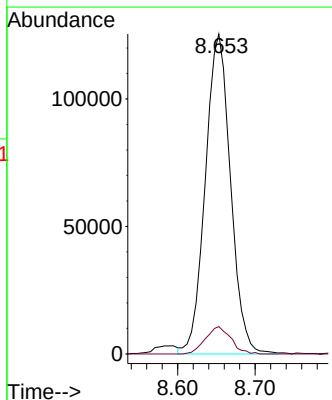
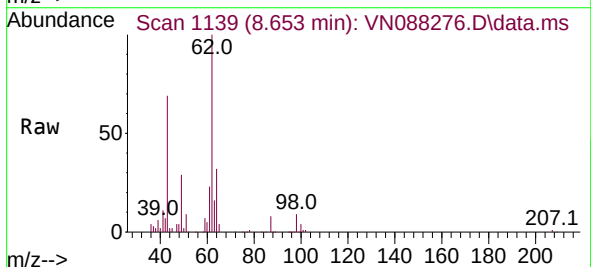
Reviewed By :John Carlone 11/14/2025

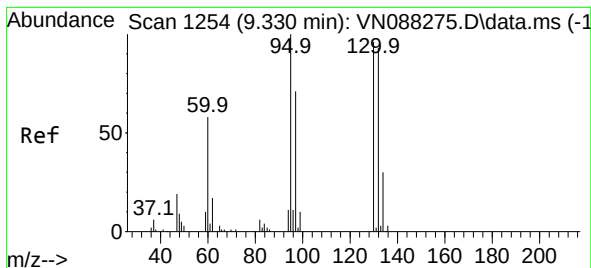
Supervised By :Semsettin Yesilyurt 11/14/2025



#36
1,2-Dichloroethane
Concen: 53.288 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 62 Resp: 283447
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#37

Trichloroethene

Concen: 47.370 ug/l

RT: 9.329 min Scan# 1254

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:130 Resp: 166803

Ion Ratio Lower Upper

130 100

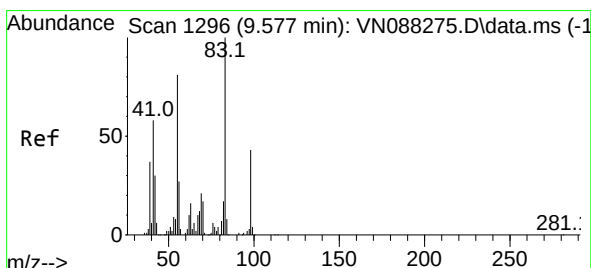
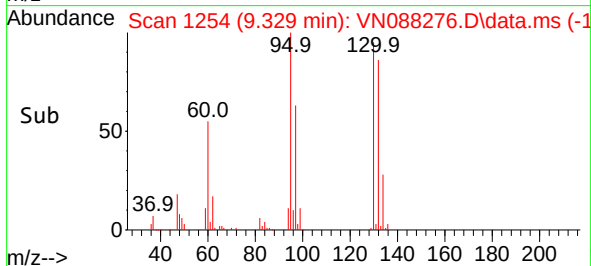
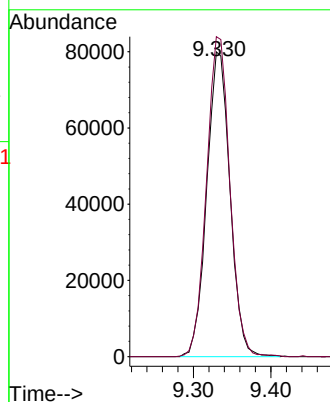
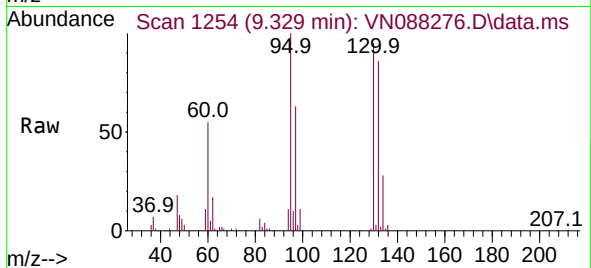
95 104.8 83.7 125.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#38

Methylcyclohexane

Concen: 50.783 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

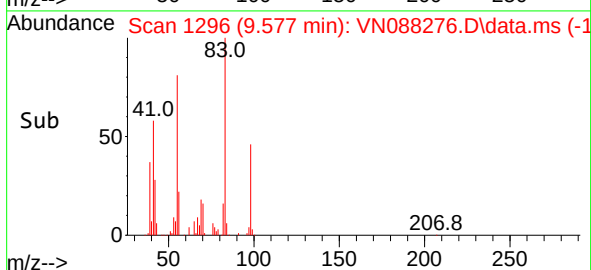
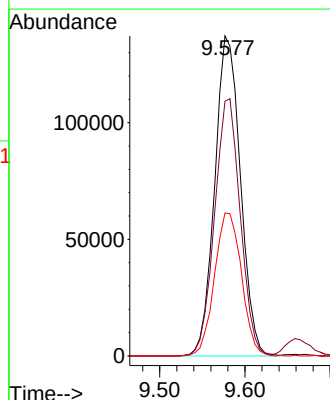
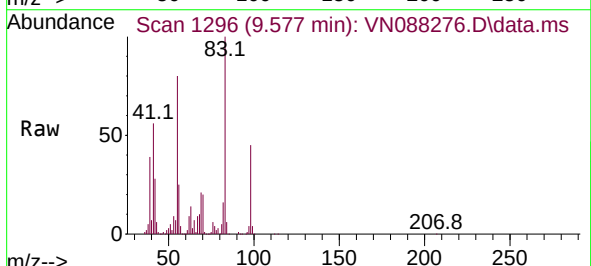
Tgt Ion: 83 Resp: 287564

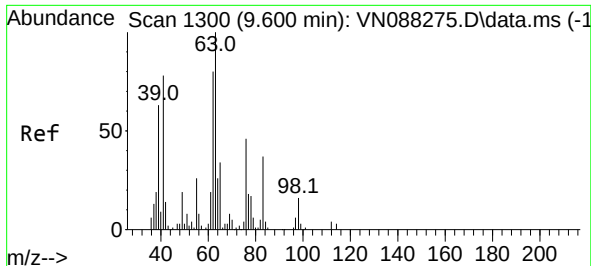
Ion Ratio Lower Upper

83 100

55 80.3 40.8 122.5

98 46.8 23.4 70.3





#39

1,2-Dichloropropane

Concen: 48.942 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 18461

Ion Ratio Lower Upper

63 100

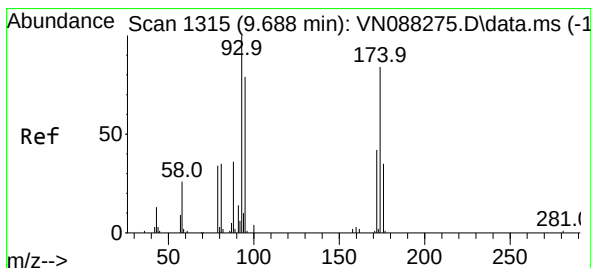
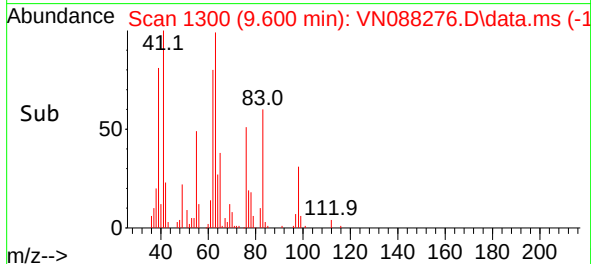
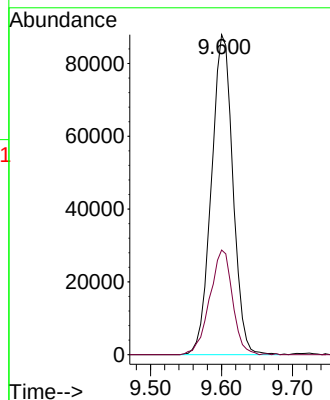
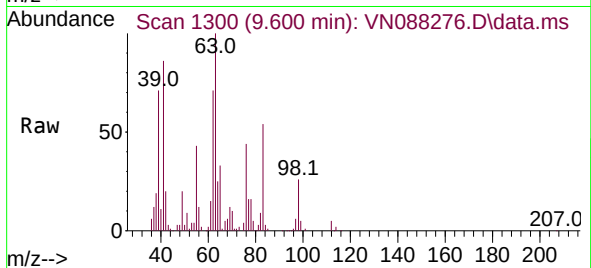
65 32.7 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#40

Dibromomethane

Concen: 48.007 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

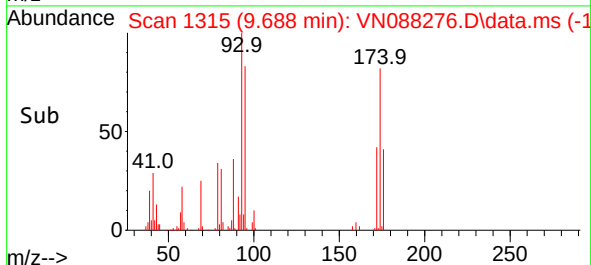
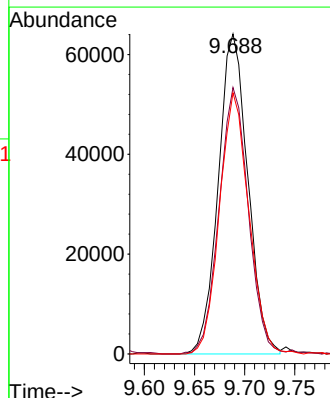
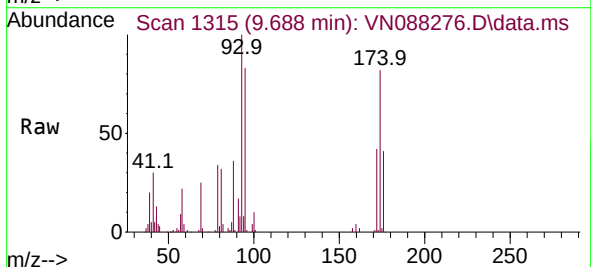
Tgt Ion: 93 Resp: 131620

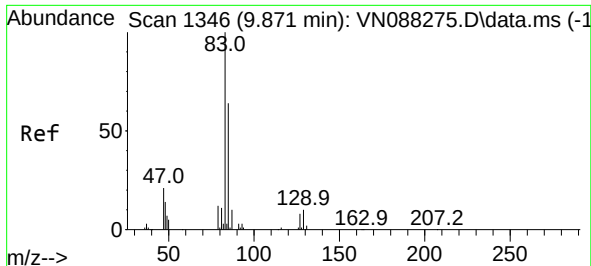
Ion Ratio Lower Upper

93 100

95 82.1 0.0 161.6

174 81.0 0.0 158.2





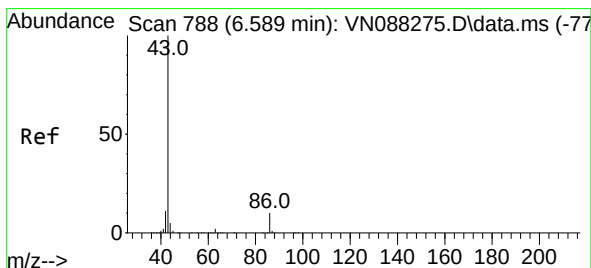
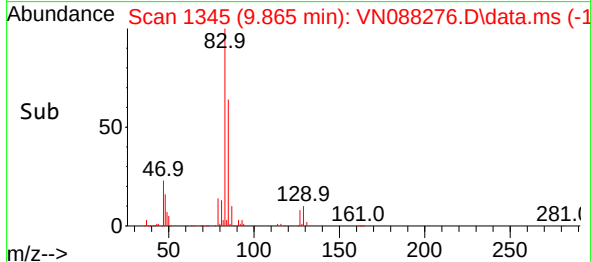
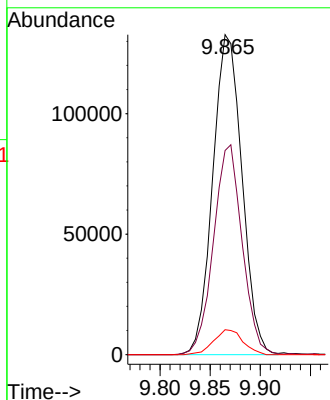
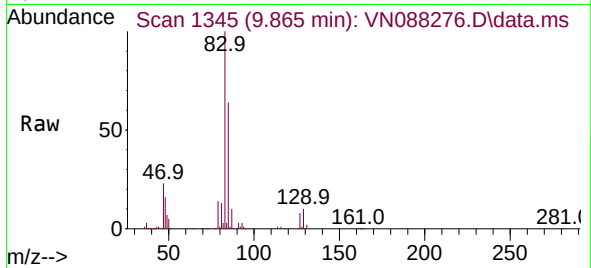
#41
Bromodichloromethane
Concen: 48.418 ug/l
RT: 9.865 min Scan# 1346
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 269136
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2
127 7.8 6.4 9.6

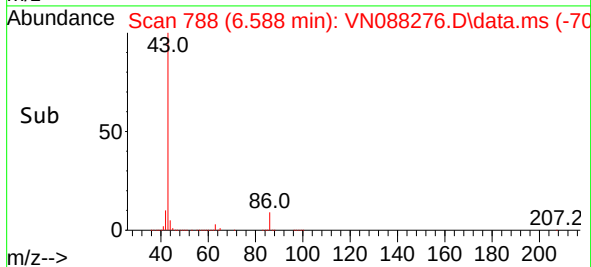
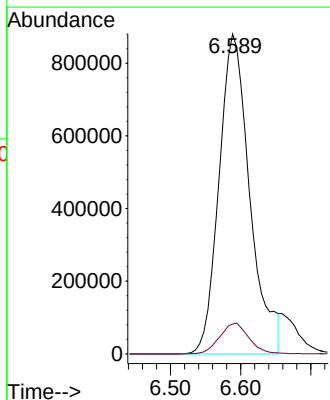
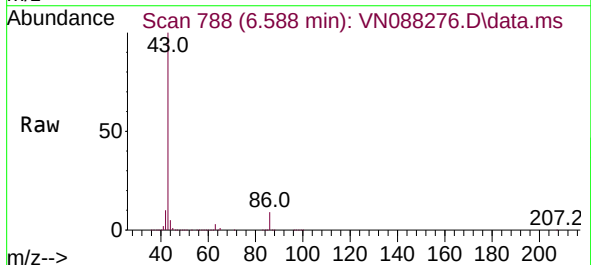
Manual Integrations
APPROVED

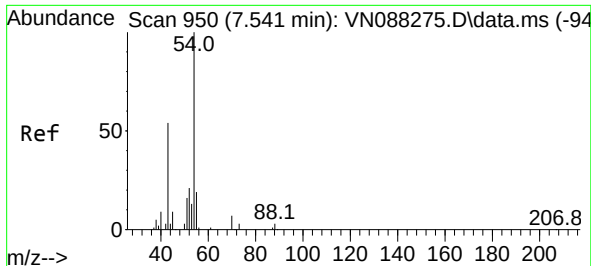
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#42
Vinyl Acetate
Concen: 237.292 ug/l m
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

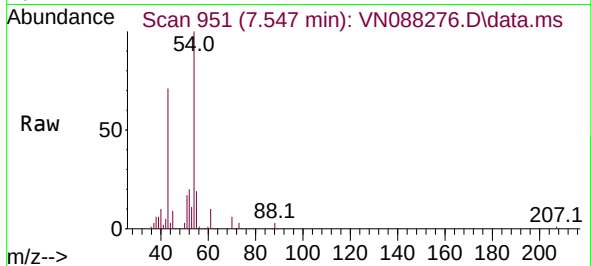
Tgt Ion: 43 Resp: 2683358
Ion Ratio Lower Upper
43 100
86 9.1 7.4 11.2





#43
Ethyl Acetate
Concen: 49.283 ug/l m
RT: 7.547 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

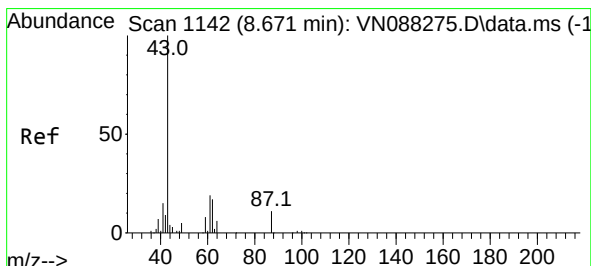
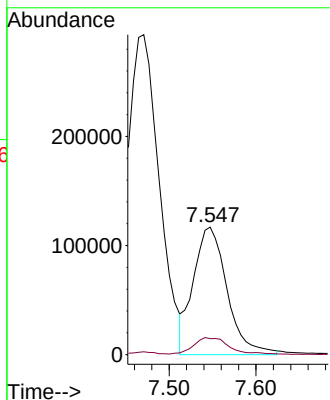
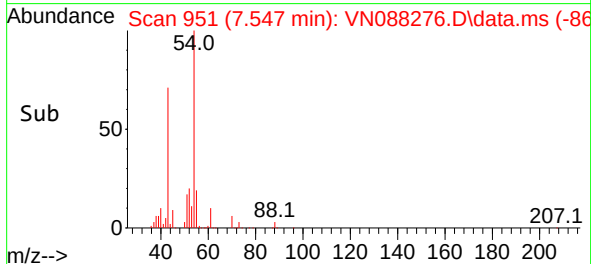
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 31573
Ion Ratio Lower Upper
43 100
45 0.0 9.9 14.9

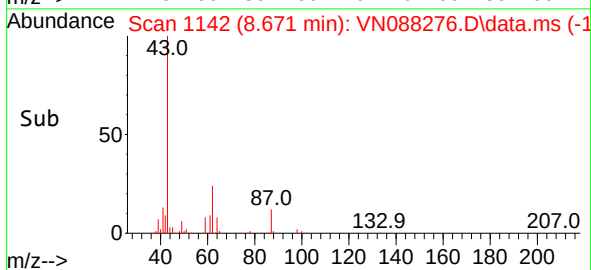
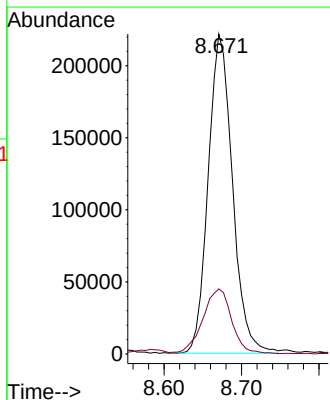
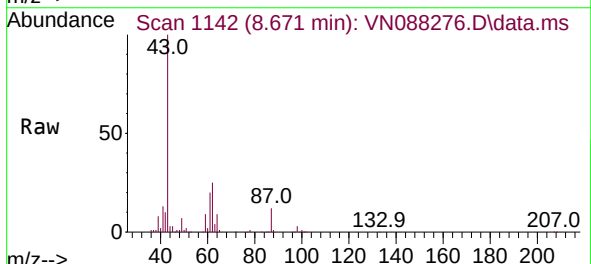
Manual Integrations
APPROVED

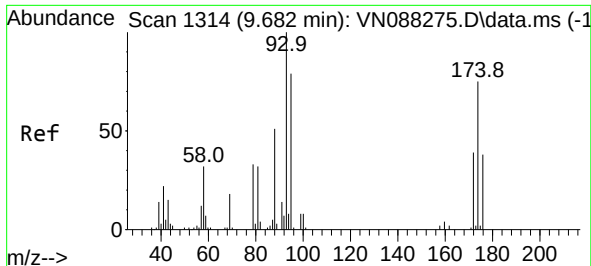
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#44
Isopropyl Acetate
Concen: 46.694 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

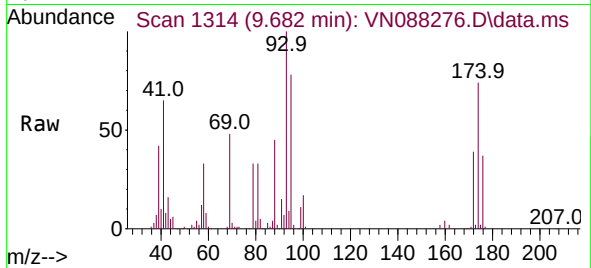
Tgt Ion: 43 Resp: 482542
Ion Ratio Lower Upper
43 100
61 24.4 19.0 28.6





#45
1,4-Dioxane
Concen: 890.836 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

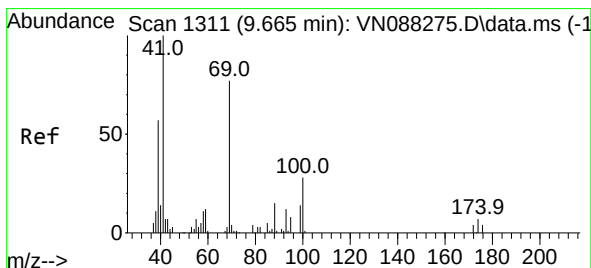
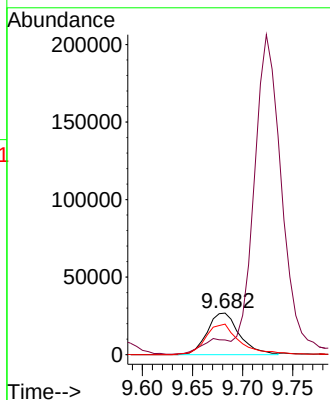
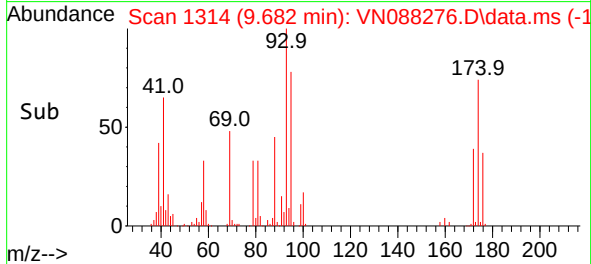
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 88 Resp: 59672
Ion Ratio Lower Upper
88 100
43 33.1 27.8 41.8
58 78.0 59.5 89.3

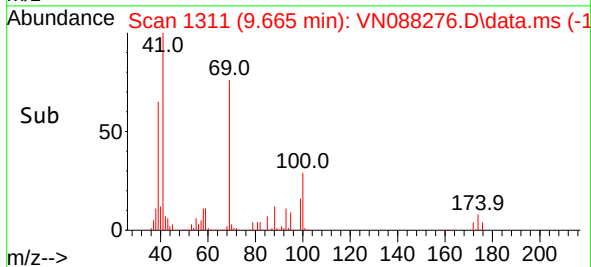
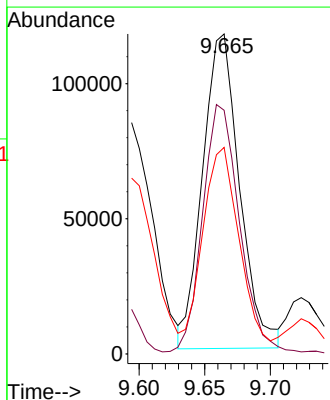
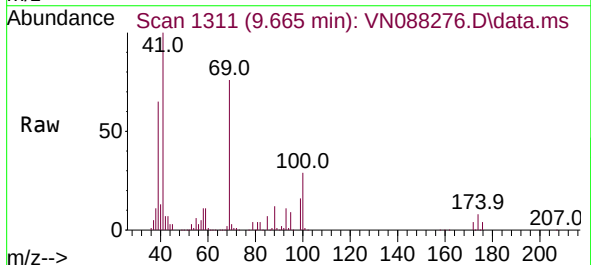
Manual Integrations
APPROVED

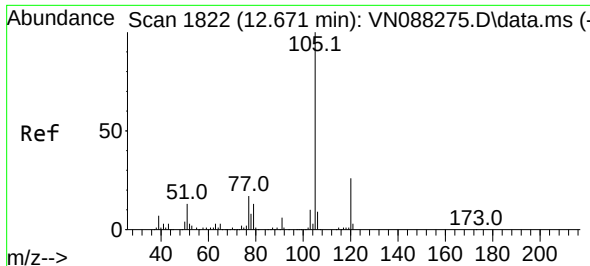
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#46
Methyl methacrylate
Concen: 48.764 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 41 Resp: 228386
Ion Ratio Lower Upper
41 100
69 80.2 38.5 115.3
39 64.3 29.0 87.1





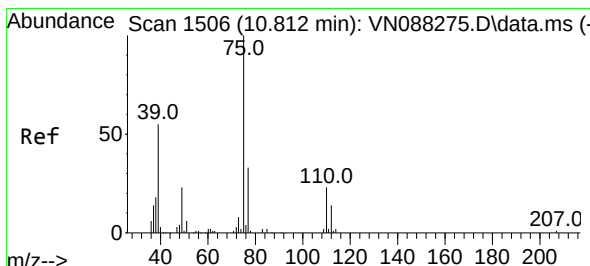
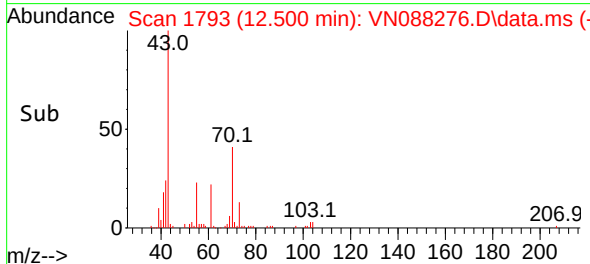
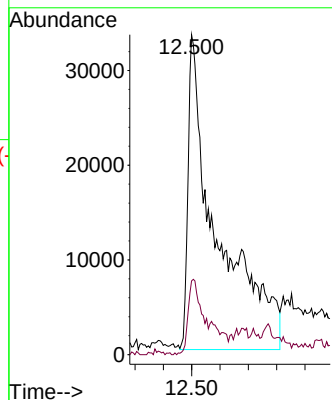
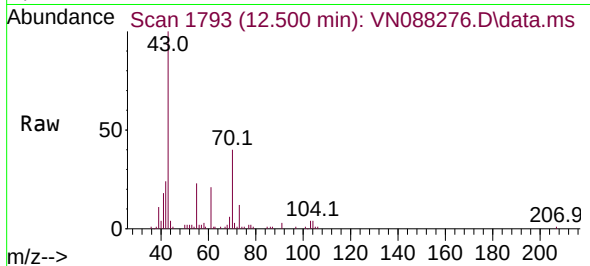
#47
n-amyl acetate
Concen: 48.538 ug/l m
RT: 12.500 min Scan# 1793
Delta R.T. -0.171 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 236169
Ion Ratio Lower Upper
43 100
55 0.8 0.0 0.0

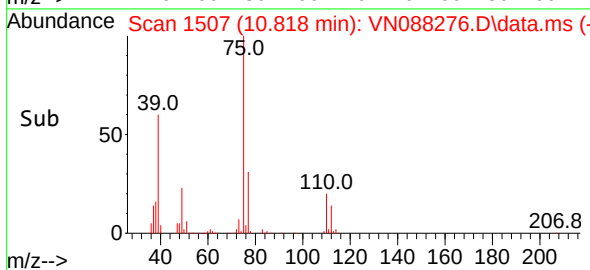
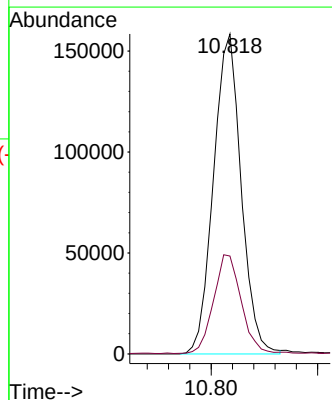
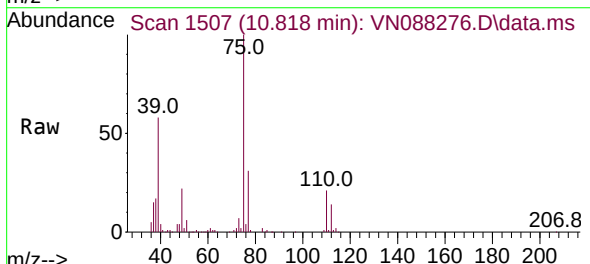
Manual Integrations
APPROVED

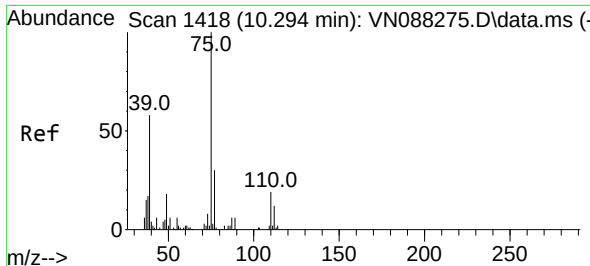
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#48
t-1,3-Dichloropropene
Concen: 46.692 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

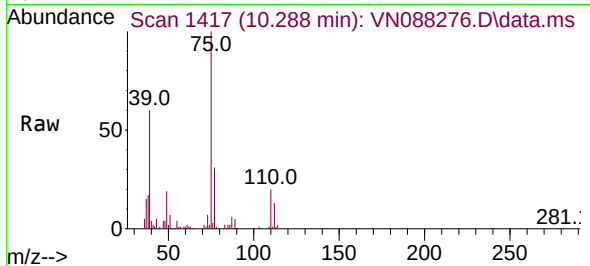
Tgt Ion: 75 Resp: 285594
Ion Ratio Lower Upper
75 100
77 30.4 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 46.984 ug/l
 RT: 10.288 min Scan# 1417
 Delta R.T. -0.006 min
 Lab File: VN088276.D
 Acq: 13 Nov 2025 11:08

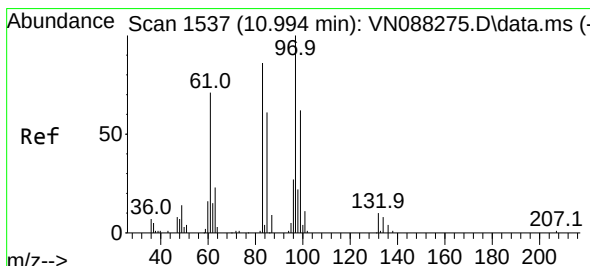
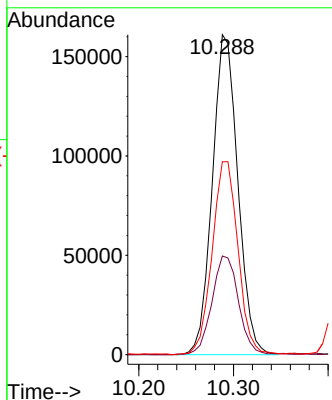
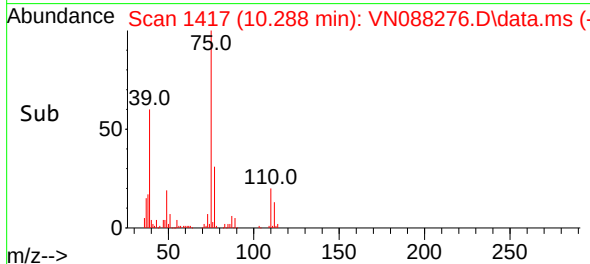
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050



Tgt Ion: 75 Resp: 301442
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.4 36.6
 39 60.2 46.1 69.1

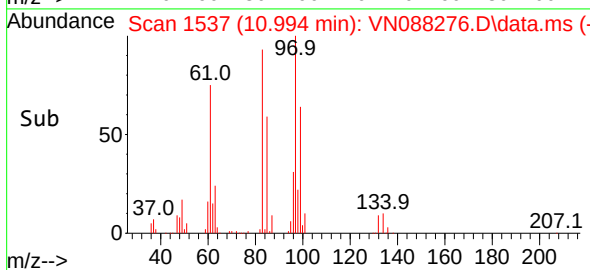
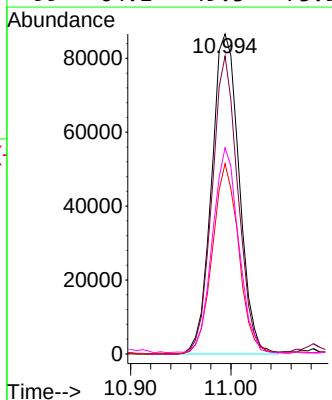
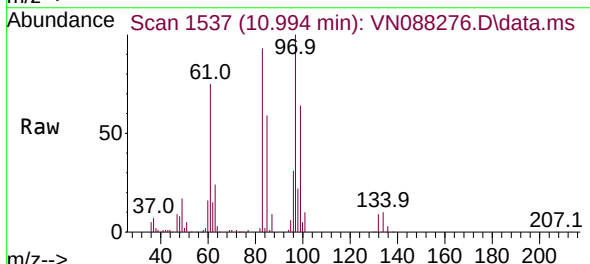
Manual Integrations
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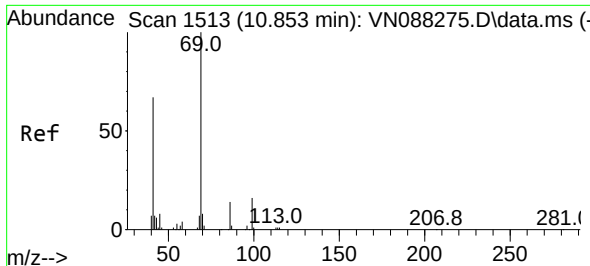
Reviewed By :John Carlone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025



#50
 1,1,2-Trichloroethane
 Concen: 46.289 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN088276.D
 Acq: 13 Nov 2025 11:08

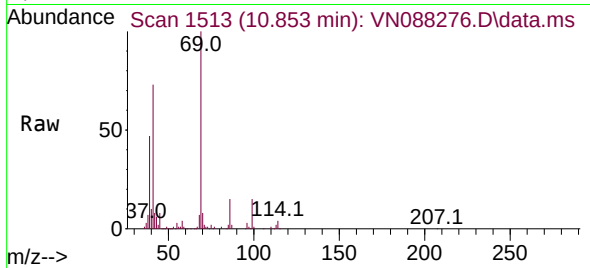
Tgt Ion: 97 Resp: 165256
 Ion Ratio Lower Upper
 97 100
 83 93.1 68.6 102.8
 85 59.4 49.0 73.6
 99 64.1 49.3 73.9





#51
Ethyl methacrylate
Concen: 46.165 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

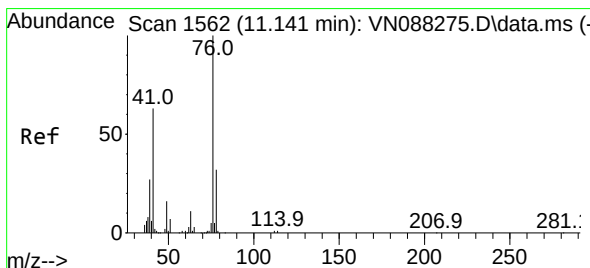
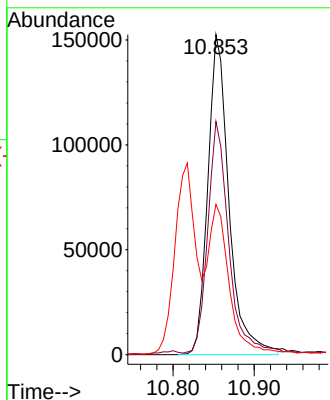
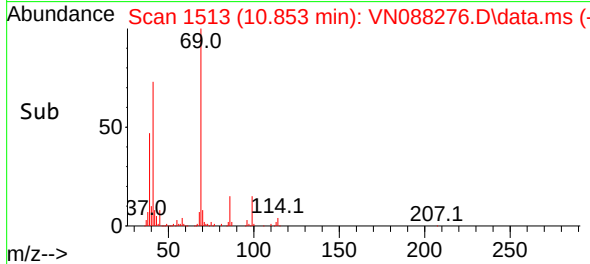
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 69 Resp: 276826
Ion Ratio Lower Upper
69 100
41 72.1 33.6 100.8
39 45.9 23.4 70.2

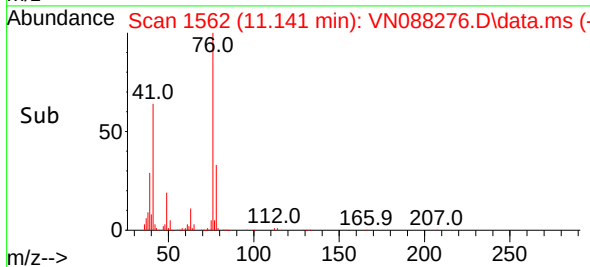
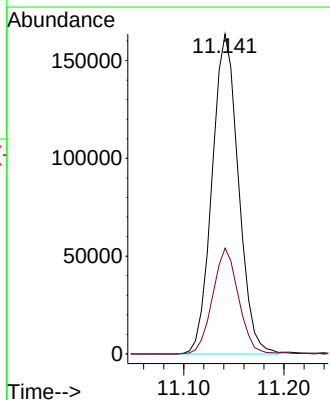
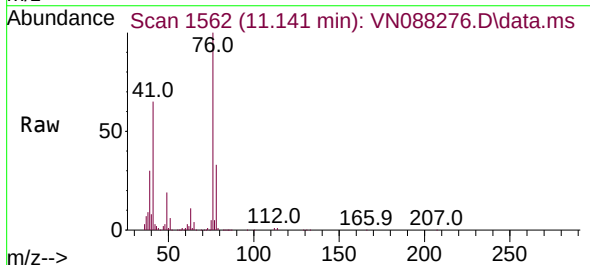
Manual Integrations
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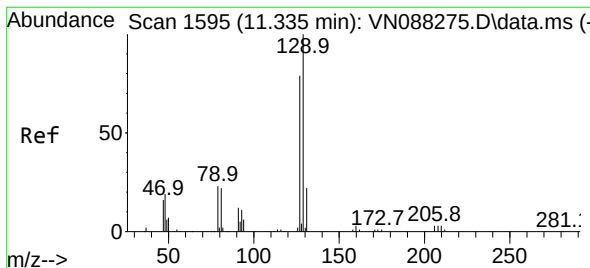
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#52
1,3-Dichloropropane
Concen: 47.547 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 76 Resp: 298832
Ion Ratio Lower Upper
76 100
78 32.3 0.0 64.2





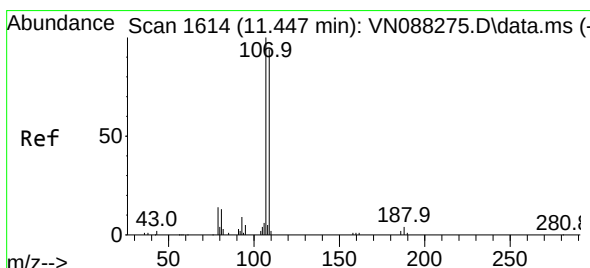
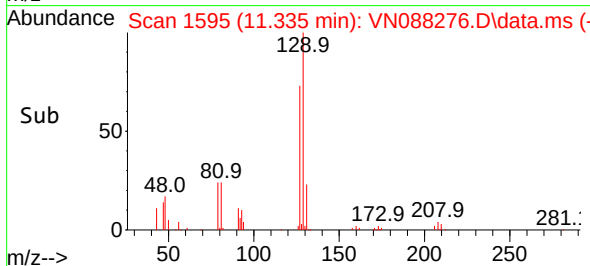
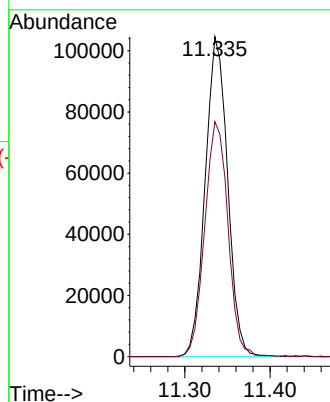
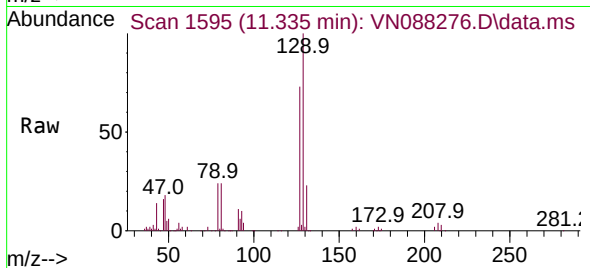
#53
Dibromochloromethane
Concen: 45.155 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:129 Resp: 191134
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6

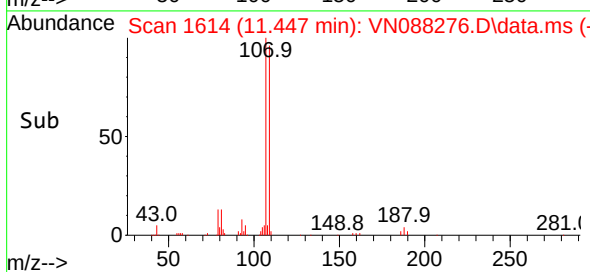
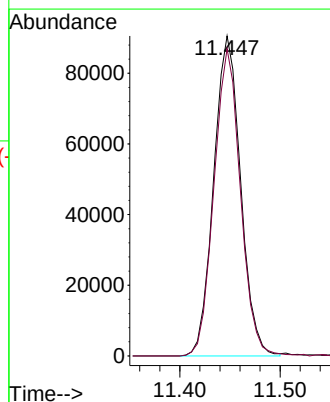
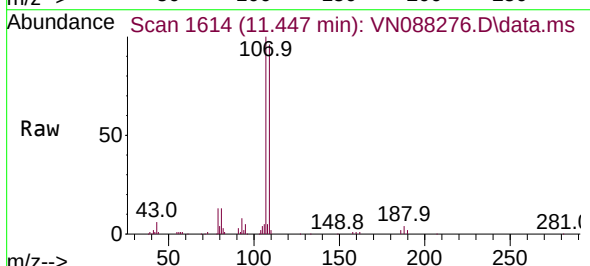
Manual Integrations
APPROVED

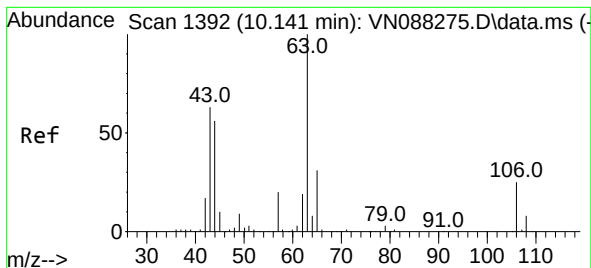
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#54
1,2-Dibromoethane
Concen: 44.499 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion:107 Resp: 168709
Ion Ratio Lower Upper
107 100
109 94.4 76.6 115.0





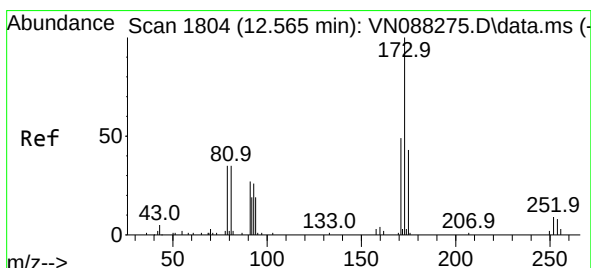
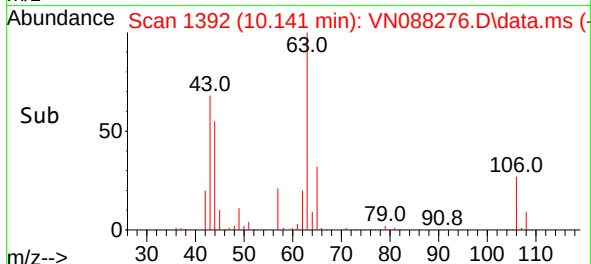
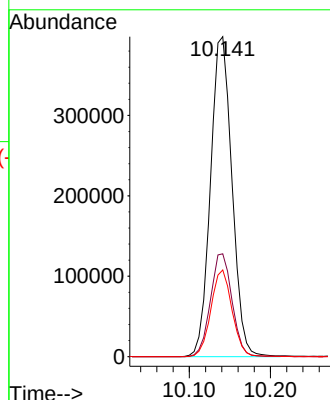
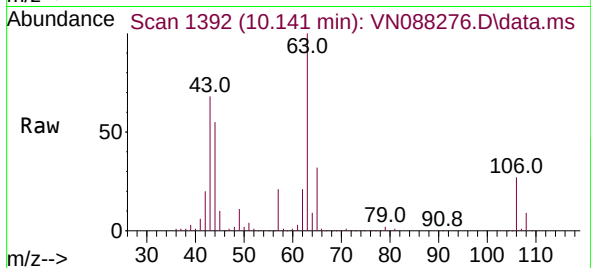
#55
2-Chloroethyl vinyl ether
Concen: 226.148 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 73237
Ion Ratio Lower Upper
63 100
65 32.3 24.9 37.3
106 26.6 20.3 30.5

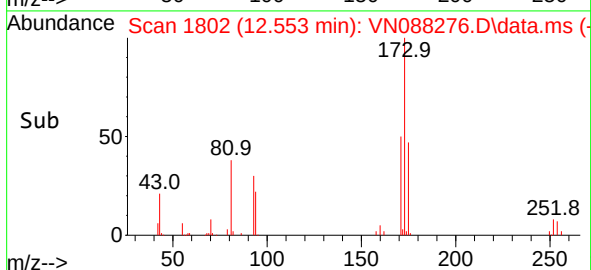
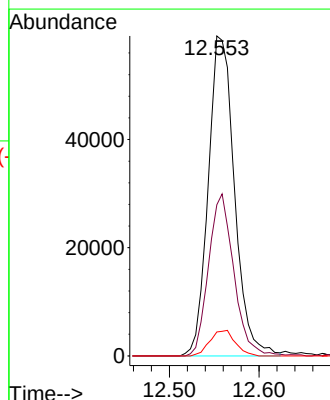
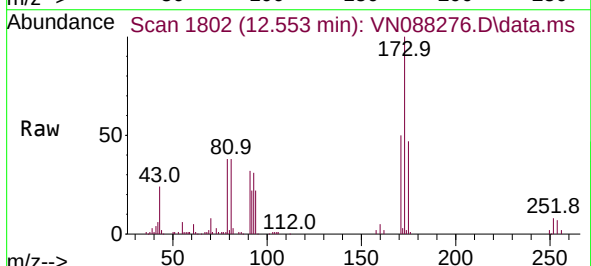
Manual Integrations
APPROVED

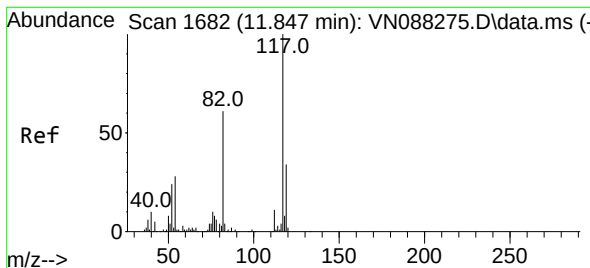
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#56
Bromoform
Concen: 42.562 ug/l
RT: 12.553 min Scan# 1802
Delta R.T. -0.012 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

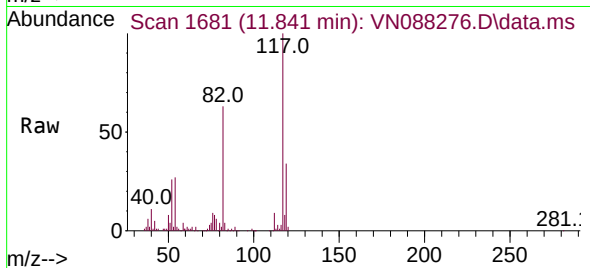
Tgt Ion:173 Resp: 120289
Ion Ratio Lower Upper
173 100
175 48.7 37.7 56.5
254 7.7 5.9 8.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

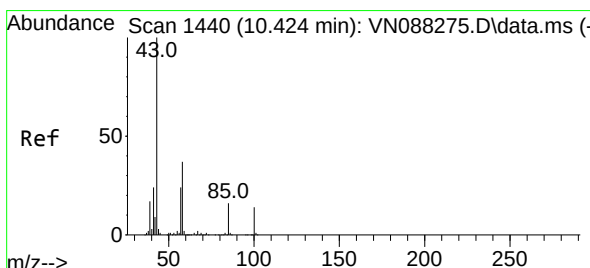
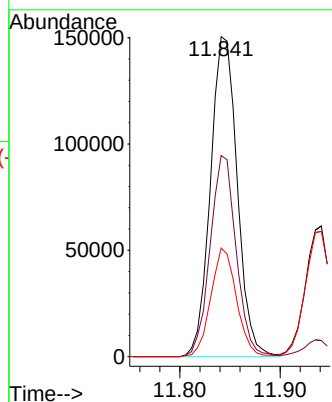
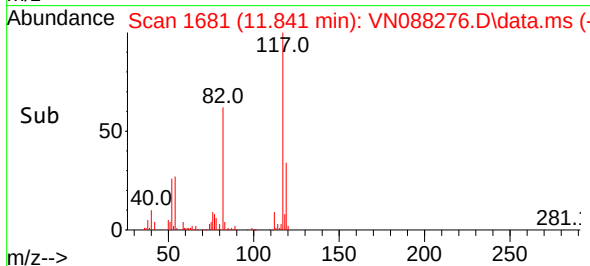
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 117 Resp: 279554
Ion Ratio Lower Upper
117 100
82 61.0 49.3 73.9
119 32.4 26.4 39.6

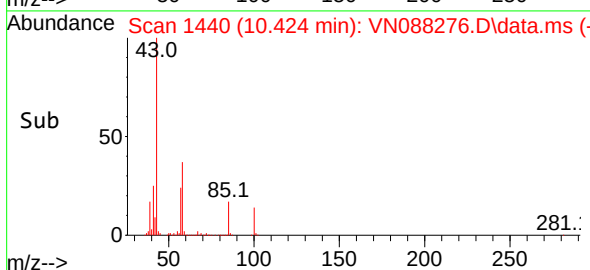
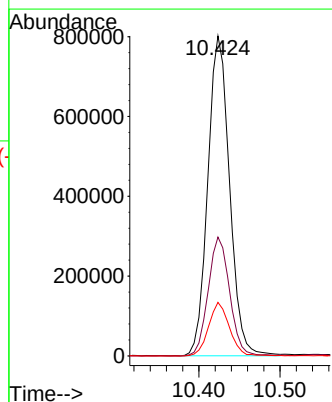
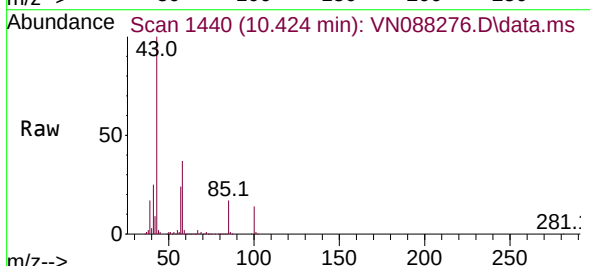
Manual Integrations
APPROVED

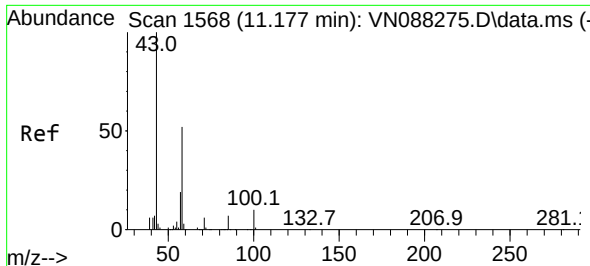
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#58
4-Methyl-2-Pentanone
Concen: 238.212 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

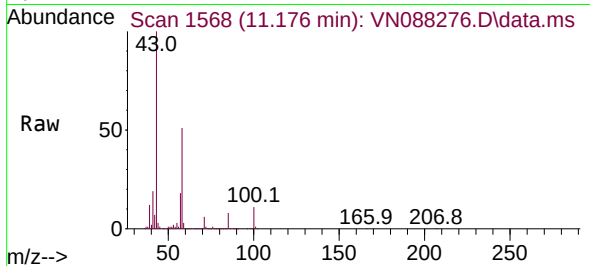
Tgt Ion: 43 Resp: 1495694
Ion Ratio Lower Upper
43 100
58 36.4 29.2 43.8
85 16.0 12.6 19.0





#59
2-Hexanone
Concen: 248.170 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

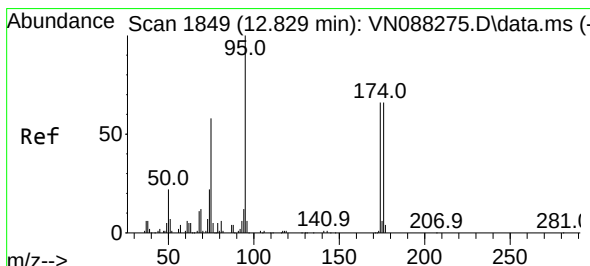
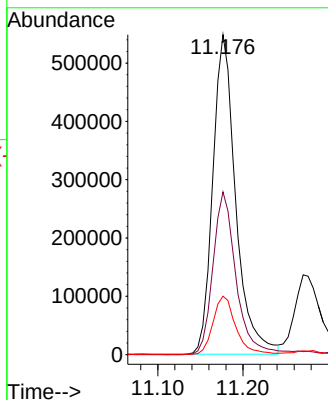
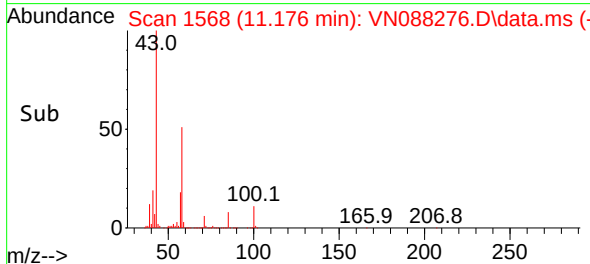
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



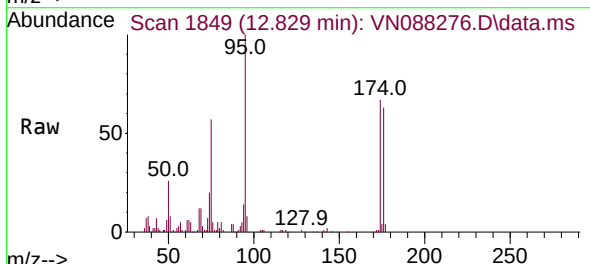
Tgt Ion: 43 Resp: 1024210
Ion Ratio Lower Upper
43 100
58 51.4 41.0 61.4
57 18.3 14.4 21.6

Manual Integrations
APPROVED

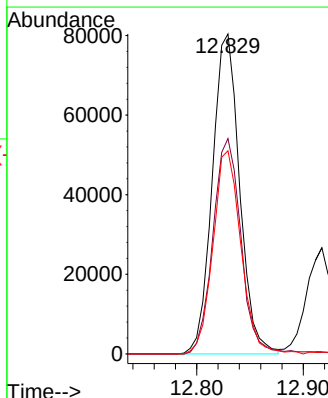
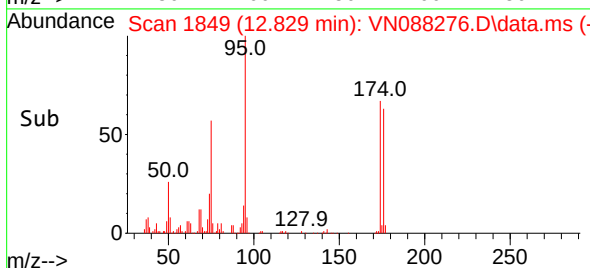
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

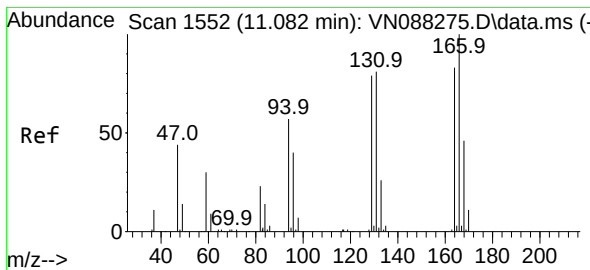


#60
4-Bromofluorobenzene
Concen: 31.127 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



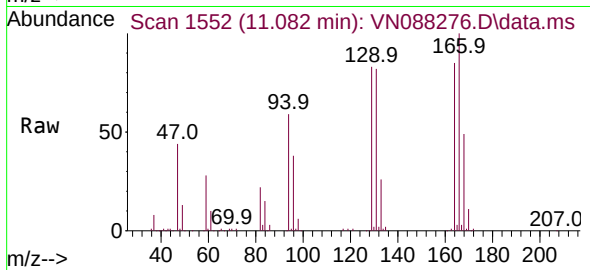
Tgt Ion: 95 Resp: 143308
Ion Ratio Lower Upper
95 100
174 68.9 54.5 81.7
176 64.8 53.8 80.6





#61
Tetrachloroethene
Concen: 47.874 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

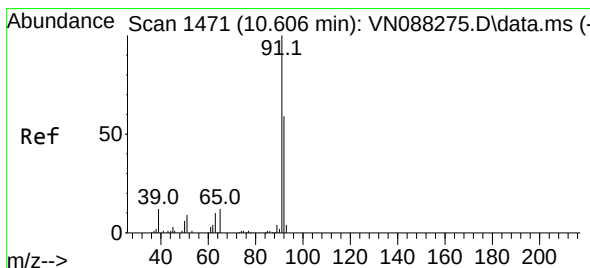
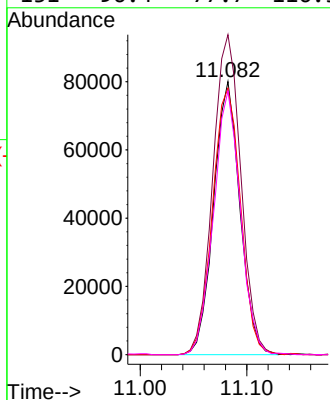
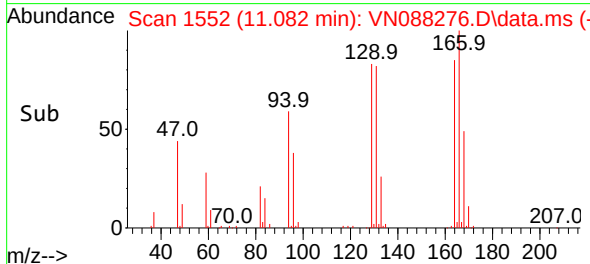
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:164 Resp: 137527
Ion Ratio Lower Upper
164 100
166 117.2 96.3 144.5
129 97.5 76.2 114.2
131 96.4 77.7 116.5

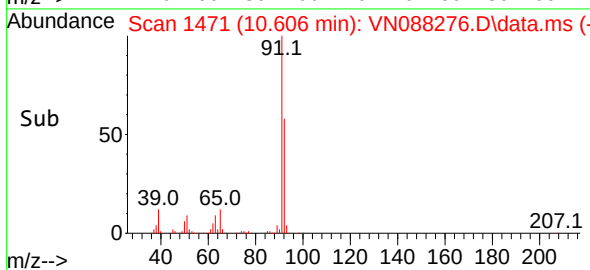
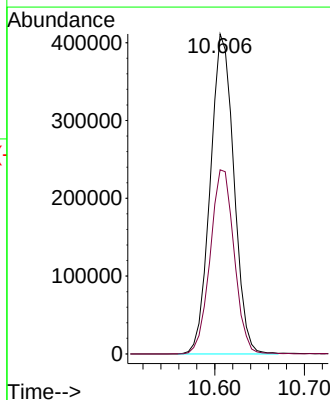
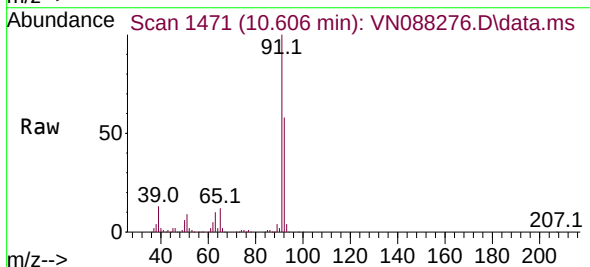
Manual Integrations
APPROVED

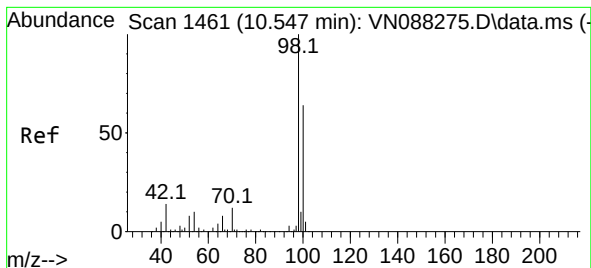
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#62
Toluene
Concen: 47.127 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 91 Resp: 754127
Ion Ratio Lower Upper
91 100
92 58.4 46.7 70.1





#63

Toluene-d8

Concen: 31.299 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 98 Resp: 396360

Ion Ratio Lower Upper

98 100

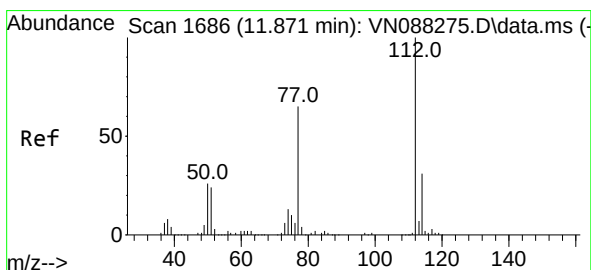
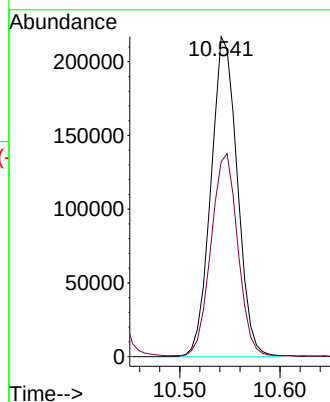
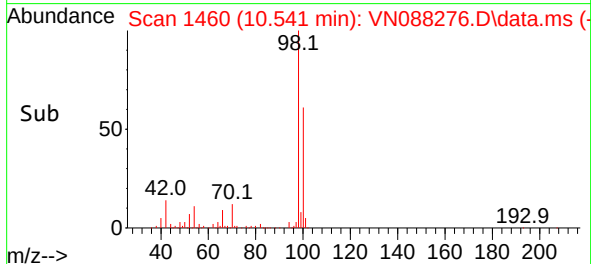
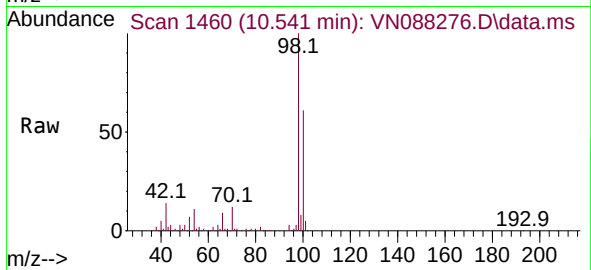
100 64.7 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#64

Chlorobenzene

Concen: 45.876 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VN088276.D

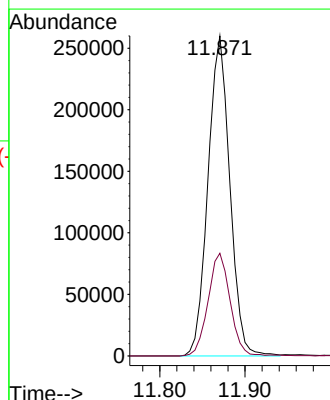
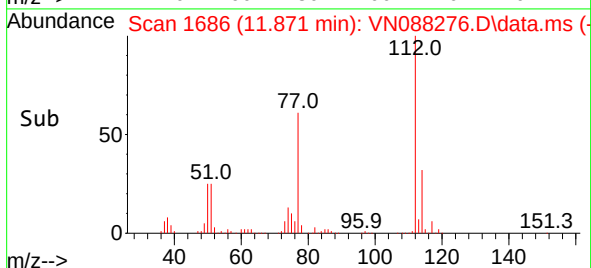
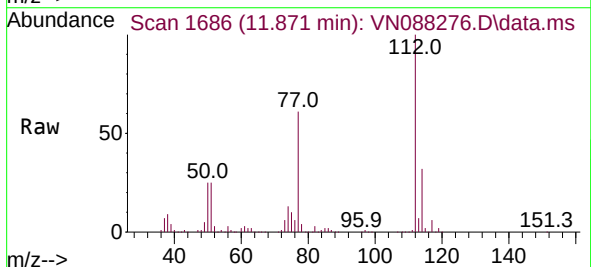
Acq: 13 Nov 2025 11:08

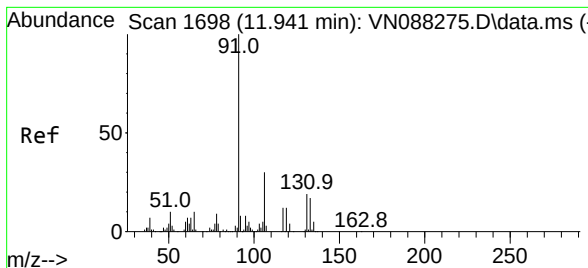
Tgt Ion:112 Resp: 463060

Ion Ratio Lower Upper

112 100

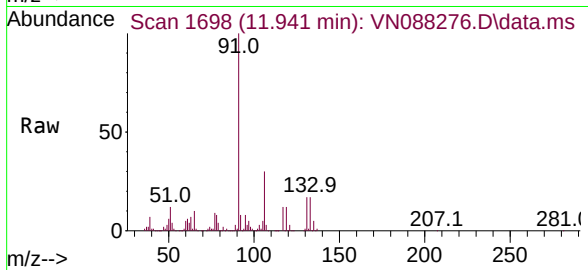
114 32.1 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 45.435 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

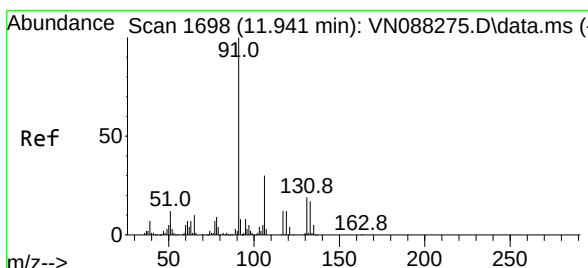
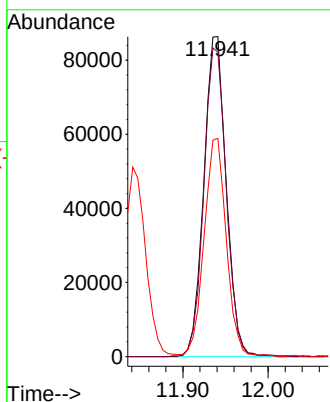
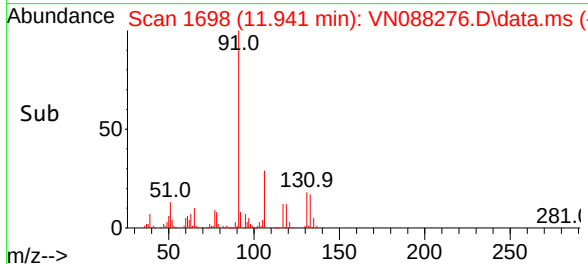
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



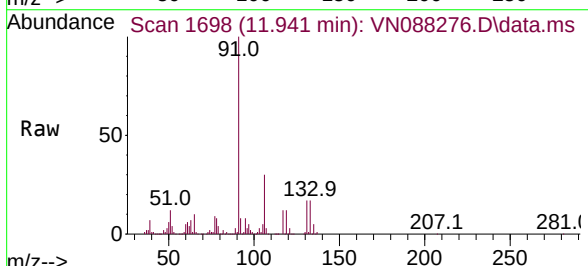
Tgt Ion:131 Resp: 157503
Ion Ratio Lower Upper
131 100
133 96.6 0.0 181.4
119 66.6 0.0 135.0

Manual Integrations
APPROVED

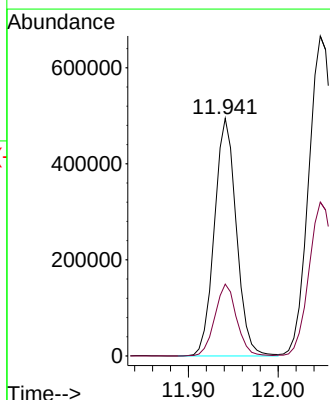
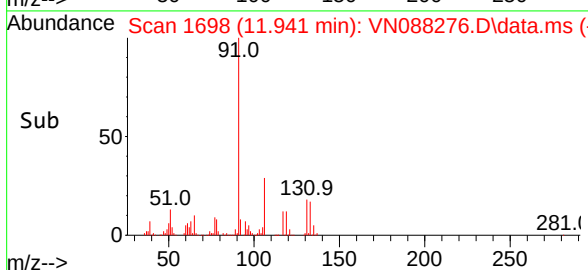
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

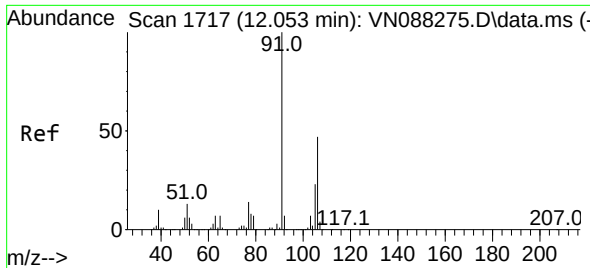


#66
Ethyl Benzene
Concen: 48.524 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



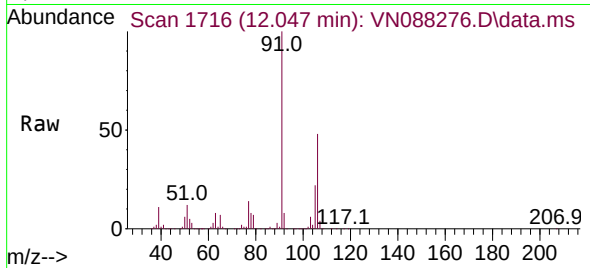
Tgt Ion: 91 Resp: 844642
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6





#67
m/p-Xylenes
Concen: 95.987 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

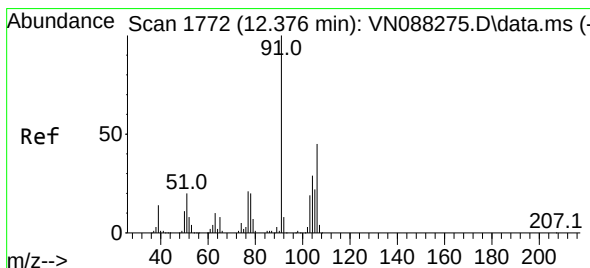
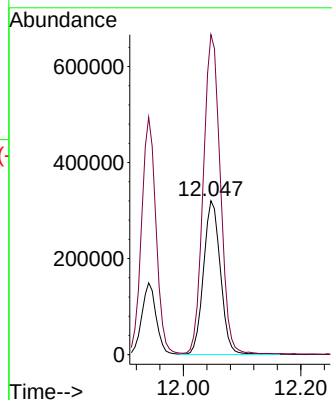
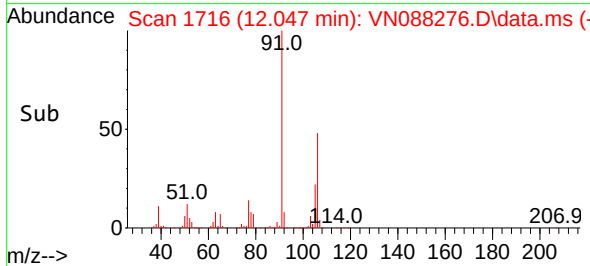
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



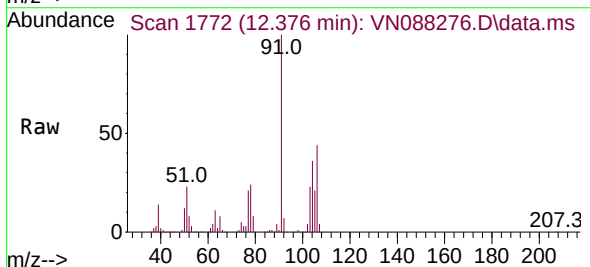
Tgt Ion:106 Resp: 63972
Ion Ratio Lower Upper
106 100
91 209.6 168.3 252.5

Manual Integrations
APPROVED

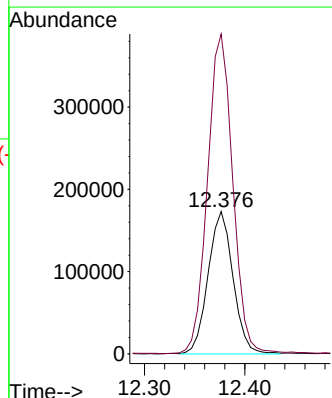
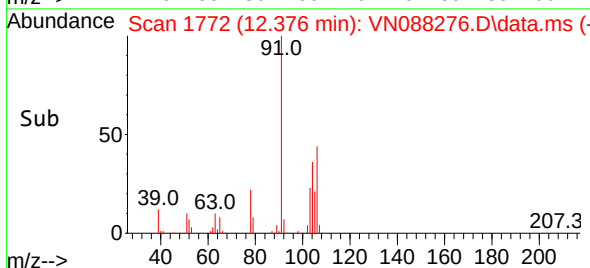
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

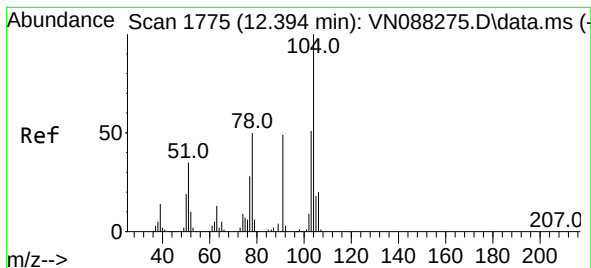


#68
o-Xylene
Concen: 45.862 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



Tgt Ion:106 Resp: 299638
Ion Ratio Lower Upper
106 100
91 226.4 114.0 342.0





#69

Styrene

Concen: 47.146 ug/l

RT: 12.388 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

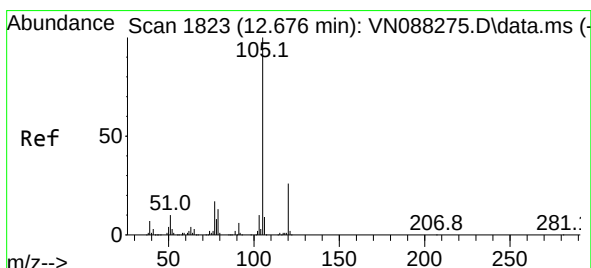
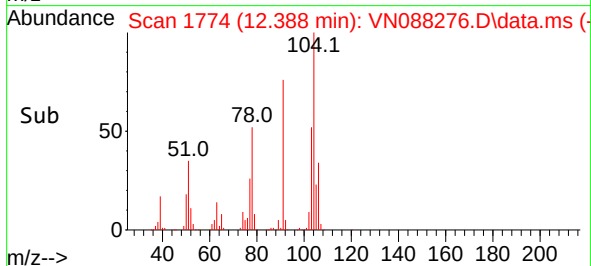
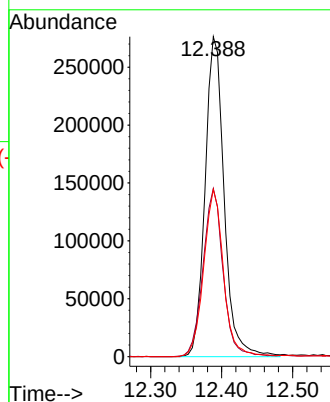
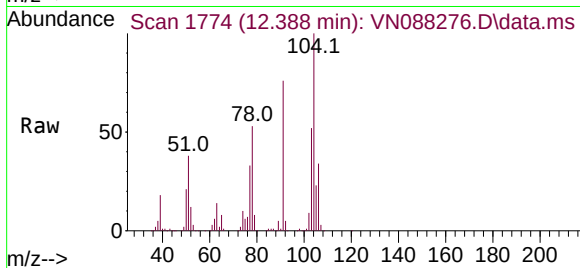
Tgt Ion:104 Resp: 514330
 Ion Ratio Lower Upper
 104 100
 78 54.8 43.8 65.8
 103 54.0 44.8 67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#70

Isopropylbenzene

Concen: 48.480 ug/l

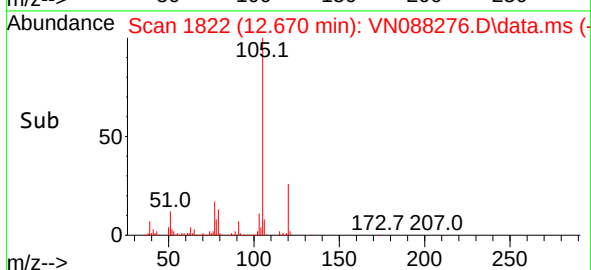
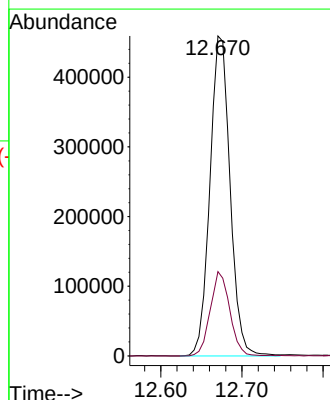
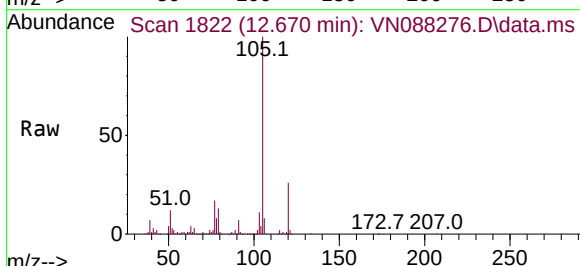
RT: 12.670 min Scan# 1822

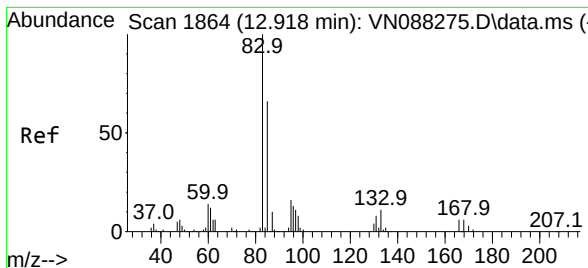
Delta R.T. -0.006 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Tgt Ion:105 Resp: 793307
 Ion Ratio Lower Upper
 105 100
 120 25.4 18.2 33.8





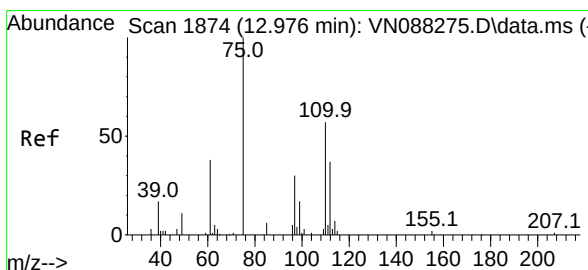
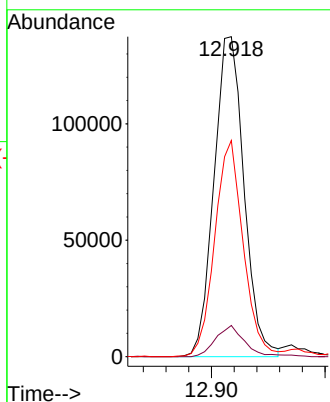
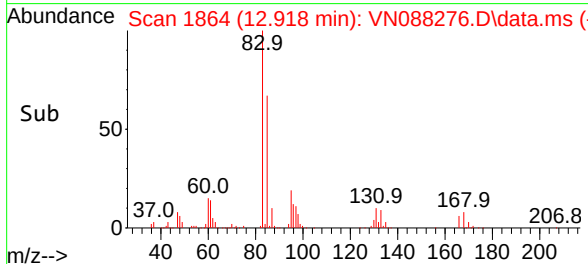
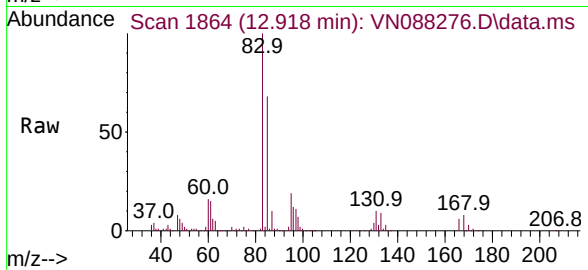
#71
1,1,2,2-Tetrachloroethane
Concen: 45.966 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 252114
Ion Ratio Lower Upper
83 100
131 9.0 4.3 12.9
85 64.0 32.4 97.2

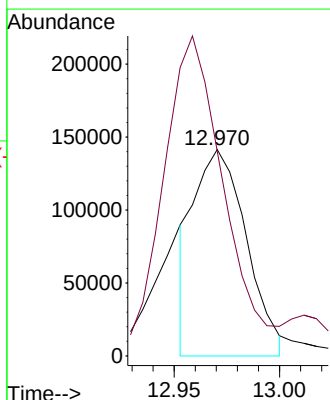
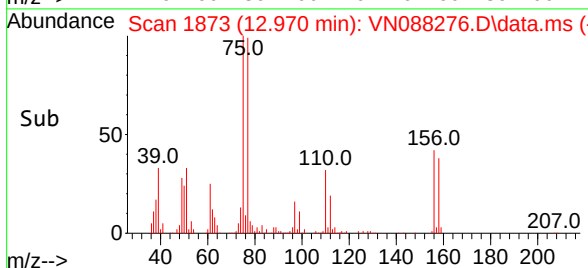
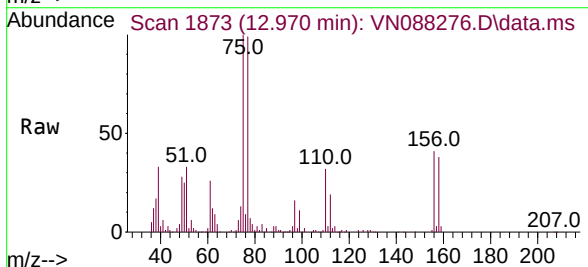
Manual Integrations
APPROVED

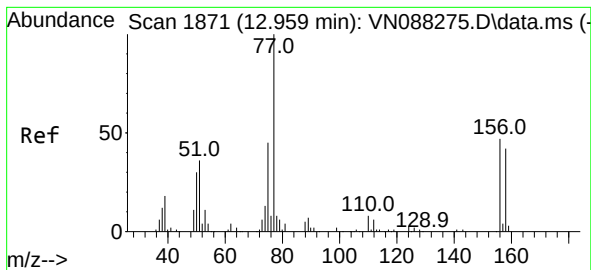
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#72
1,2,3-Trichloropropane
Concen: 47.973 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 75 Resp: 244240
Ion Ratio Lower Upper
75 100
77 179.8 0.0 386.6





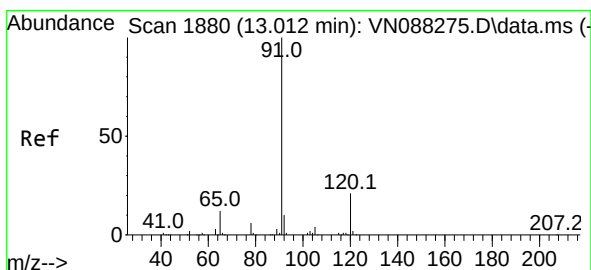
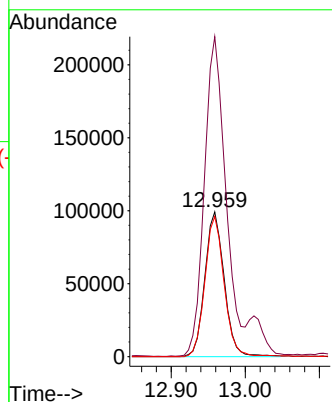
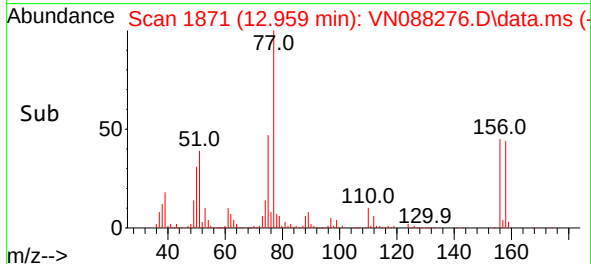
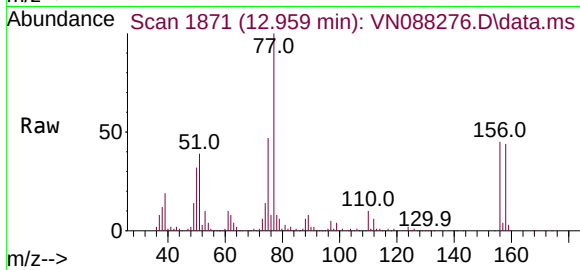
#73
Bromobenzene
Concen: 45.956 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:156 Resp: 179669
Ion Ratio Lower Upper
156 100
77 244.5 0.0 493.4
158 95.5 0.0 193.4

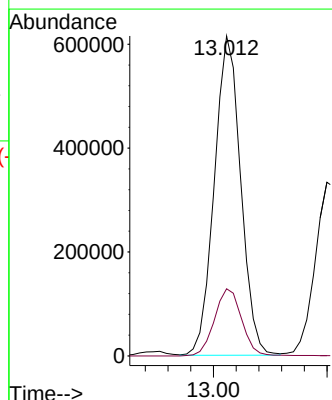
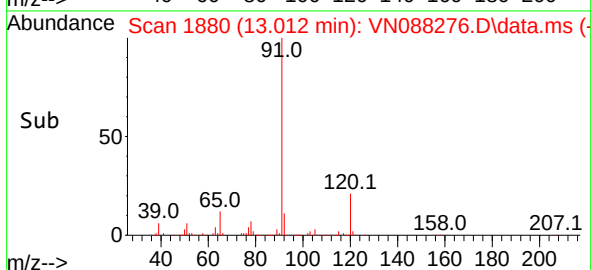
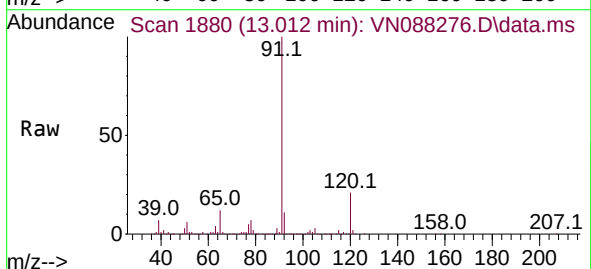
Manual Integrations
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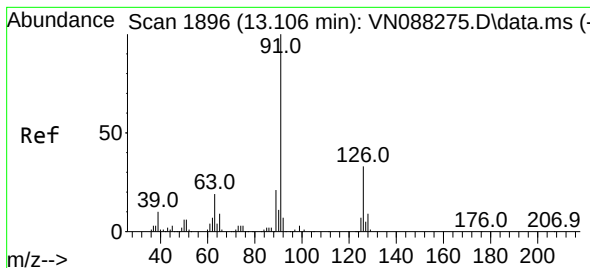
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#74
n-propylbenzene
Concen: 49.867 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 91 Resp: 991194
Ion Ratio Lower Upper
91 100
120 21.8 0.0 43.2





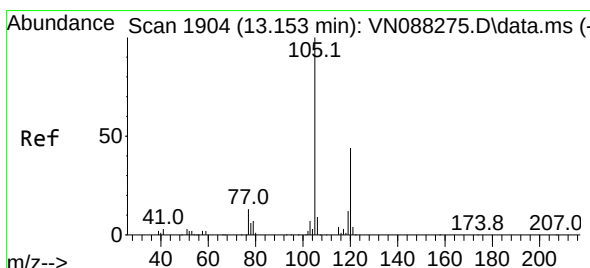
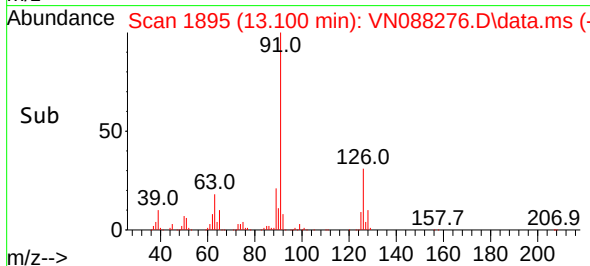
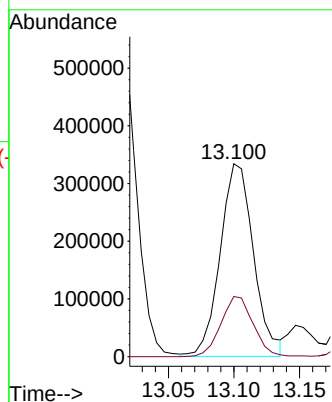
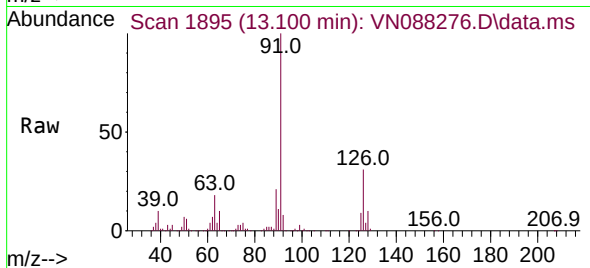
#75
2-Chlorotoluene
Concen: 49.020 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 592686
Ion Ratio Lower Upper
91 100
126 30.0 0.0 62.0

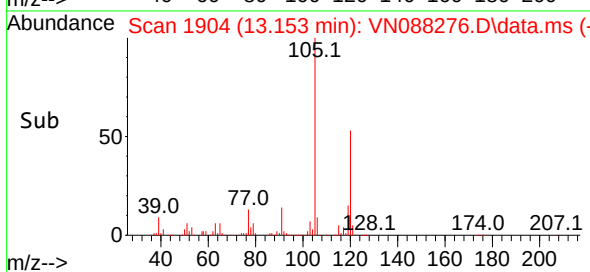
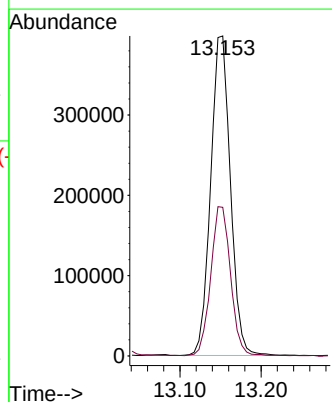
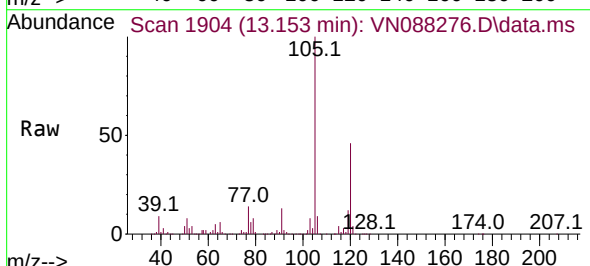
Manual Integrations
APPROVED

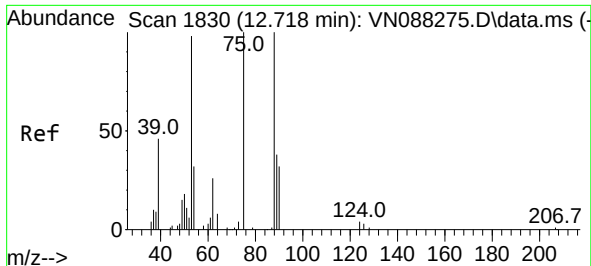
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#76
1,3,5-Trimethylbenzene
Concen: 48.695 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion:105 Resp: 674081
Ion Ratio Lower Upper
105 100
120 46.5 0.0 94.6





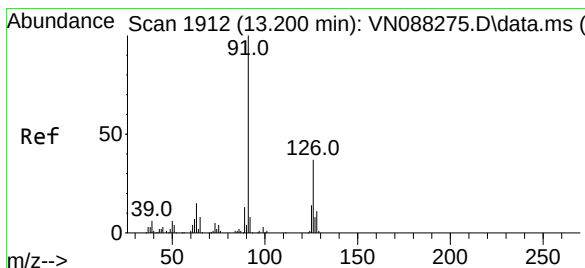
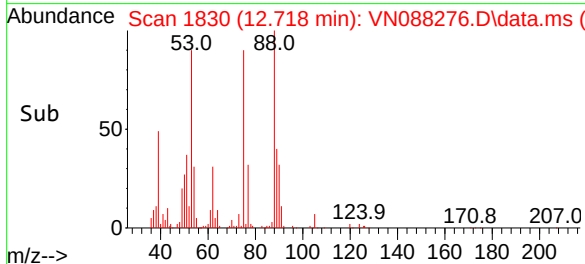
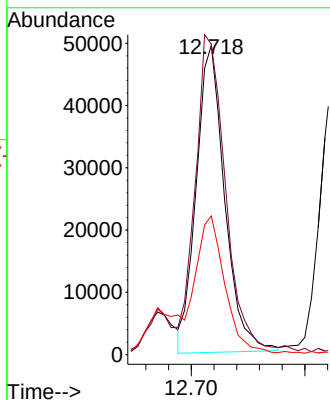
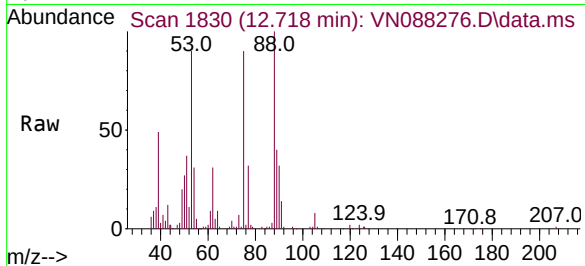
#77
t-1,4-Dichloro-2-butene
Concen: 42.857 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 85815
Ion Ratio Lower Upper
75 100
53 100.4 50.0 150.0
89 45.2 22.3 66.9

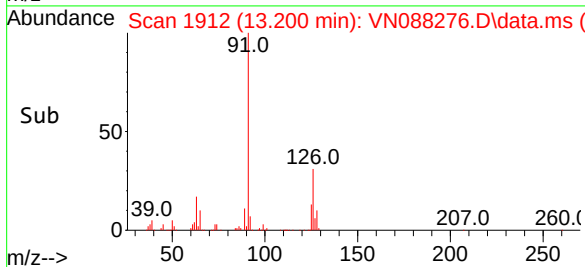
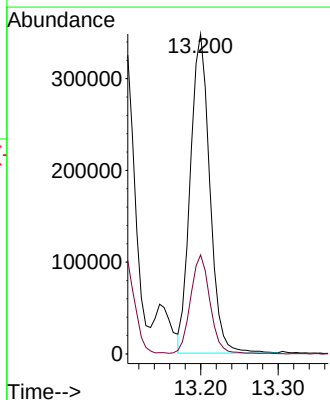
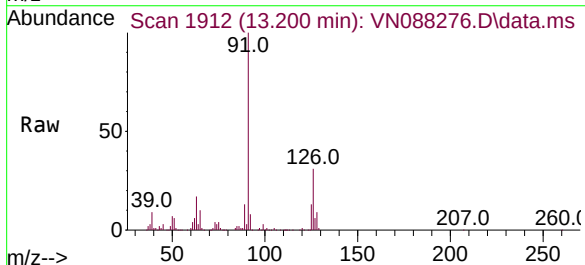
Manual Integrations
APPROVED

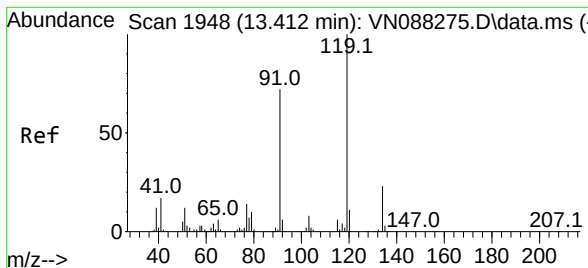
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#78
4-Chlorotoluene
Concen: 49.346 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 91 Resp: 605977
Ion Ratio Lower Upper
91 100
126 31.0 0.0 60.8





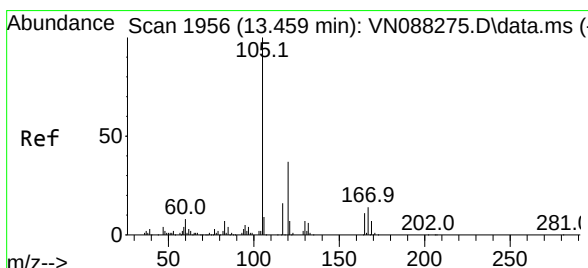
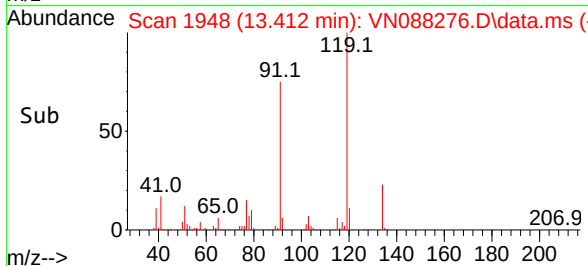
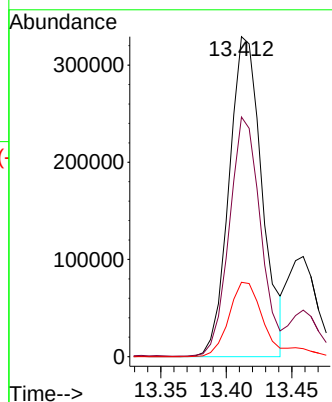
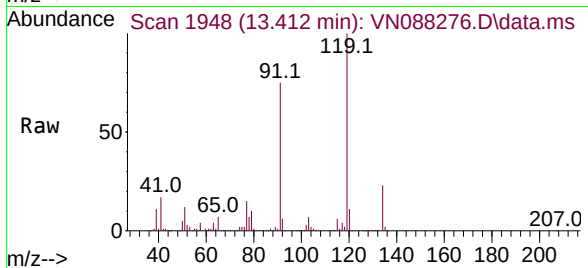
#79
tert-butylbenzene
Concen: 48.395 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 576733
Ion Ratio Lower Upper
119 100
91 70.6 0.0 140.8
134 23.5 0.0 48.4

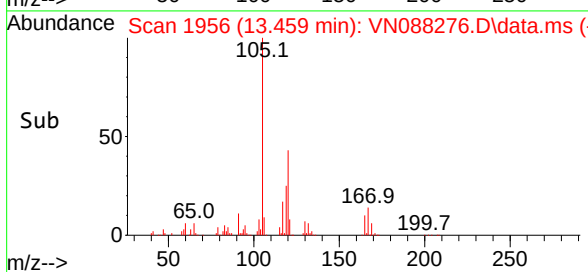
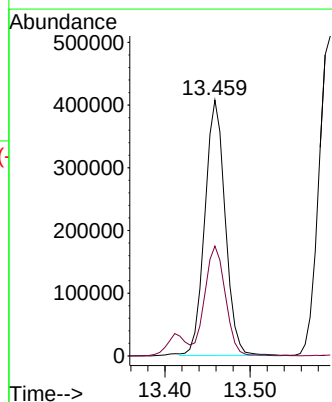
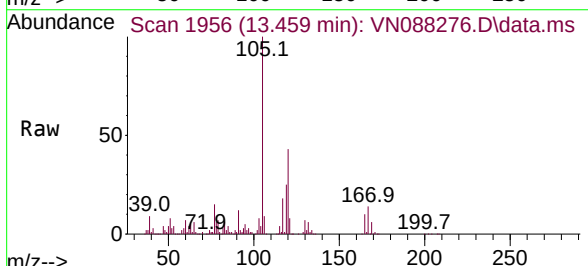
Manual Integrations
APPROVED

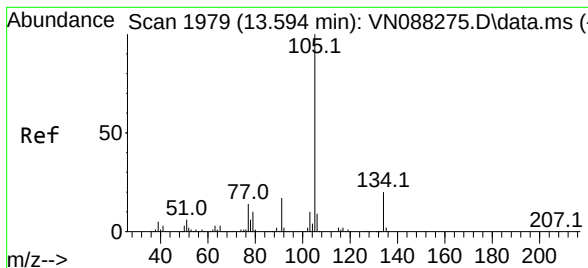
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#80
1,2,4-Trimethylbenzene
Concen: 48.884 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

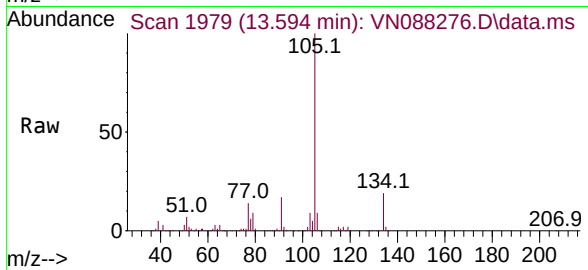
Tgt Ion:105 Resp: 674243
Ion Ratio Lower Upper
105 100
120 43.6 0.0 89.2





#81
 sec-Butylbenzene
 Concen: 49.130 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088276.D
 Acq: 13 Nov 2025 11:08

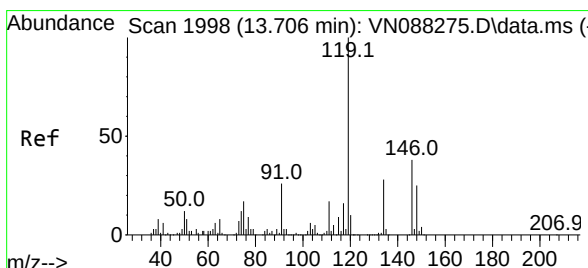
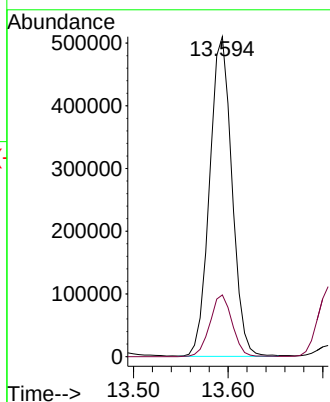
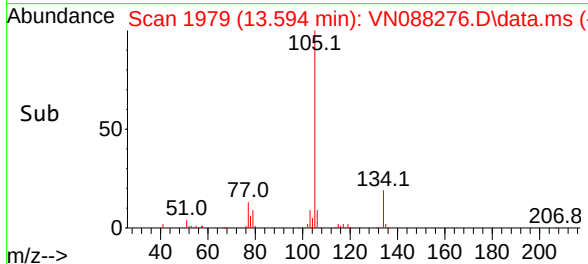
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



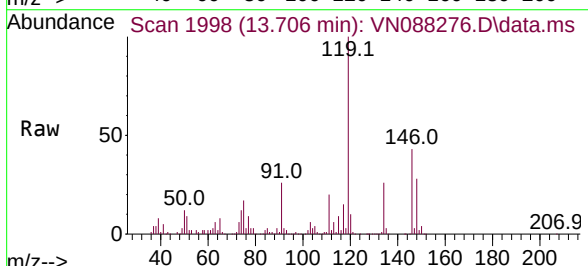
Tgt Ion:105 Resp: 835476
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.4

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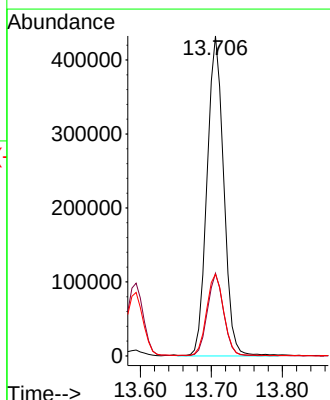
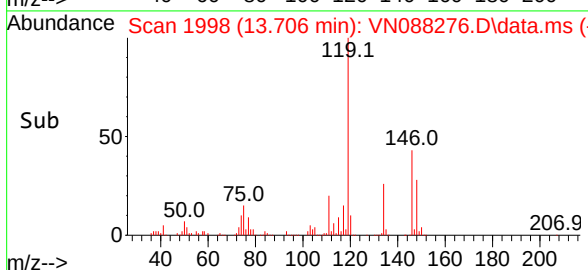
Reviewed By :John Carbone 11/14/2025
 Supervised By :Semsettin Yesilyurt 11/14/2025

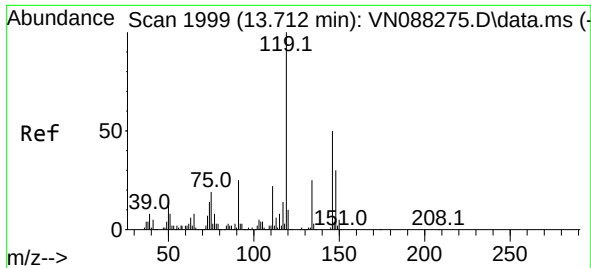


#82
 p-Isopropyltoluene
 Concen: 48.941 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088276.D
 Acq: 13 Nov 2025 11:08



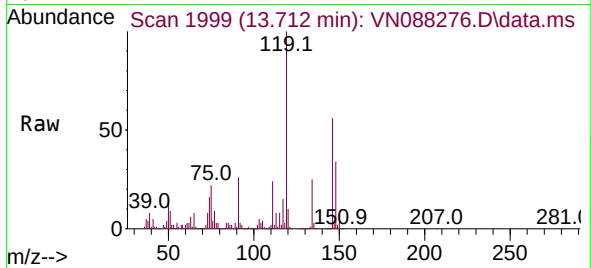
Tgt Ion:119 Resp: 704697
 Ion Ratio Lower Upper
 119 100
 134 24.8 0.0 51.2
 91 25.9 0.0 53.4





#83
1,3-Dichlorobenzene
Concen: 47.120 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

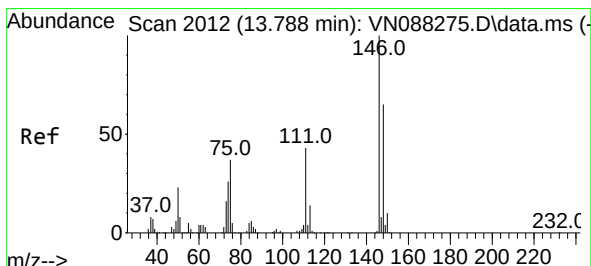
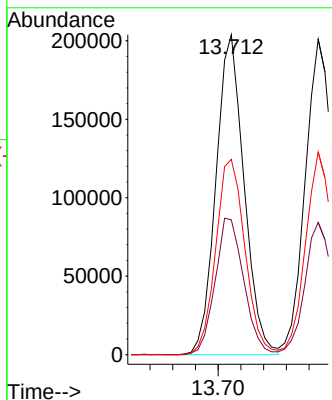
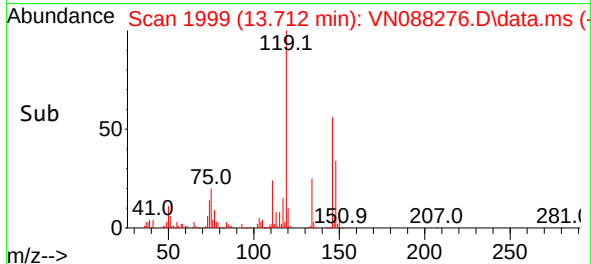
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



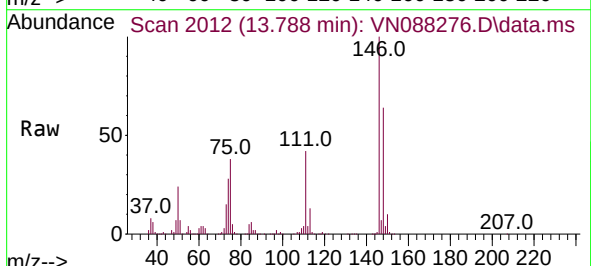
Tgt Ion:146 Resp: 350626
Ion Ratio Lower Upper
146 100
111 43.5 22.1 66.5
148 63.4 31.4 94.3

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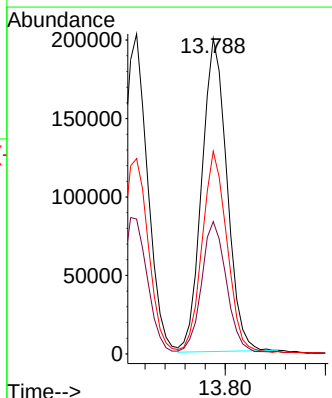
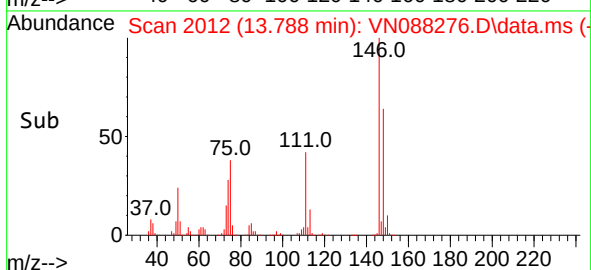
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

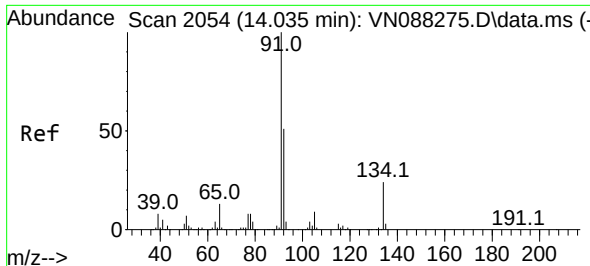


#84
1,4-Dichlorobenzene
Concen: 45.631 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



Tgt Ion:146 Resp: 346883
Ion Ratio Lower Upper
146 100
111 40.8 21.8 65.3
148 63.7 31.9 95.5





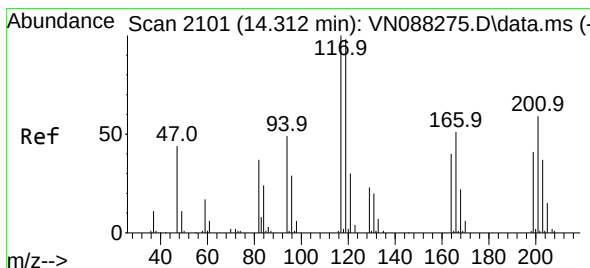
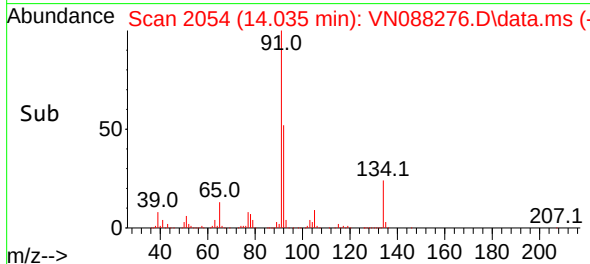
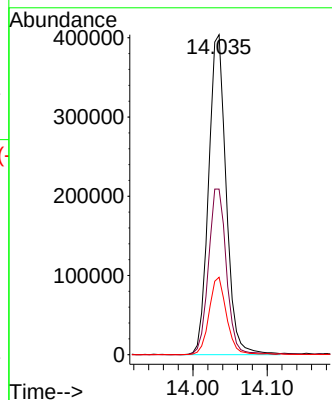
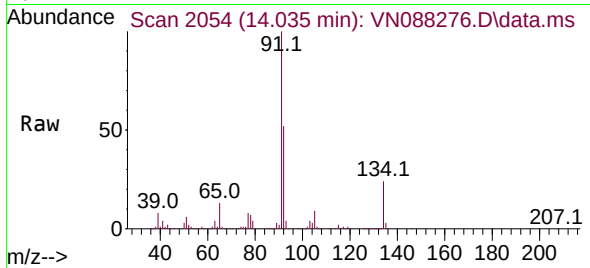
#85
n-Butylbenzene
Concen: 49.104 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 664503
Ion Ratio Lower Upper
91 100
92 53.0 0.0 102.4
134 23.9 0.0 45.8

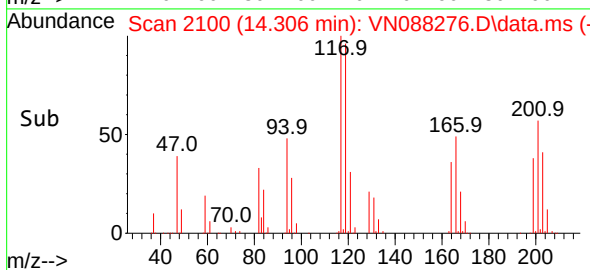
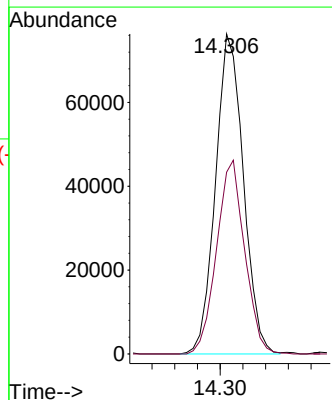
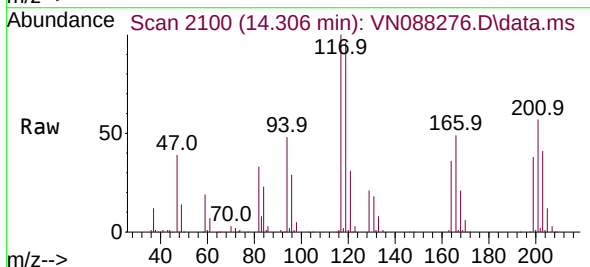
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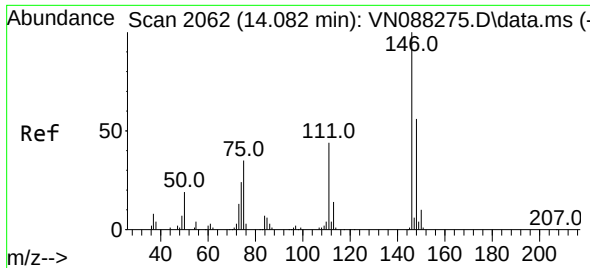
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#86
Hexachloroethane
Concen: 45.501 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion:117 Resp: 129811
Ion Ratio Lower Upper
117 100
201 61.0 30.6 92.0





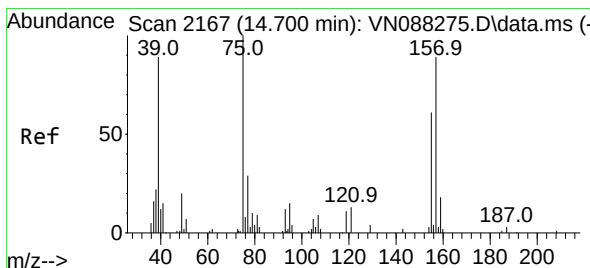
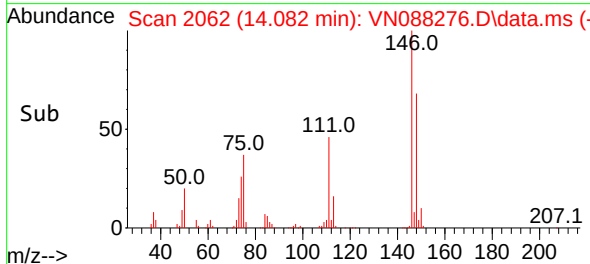
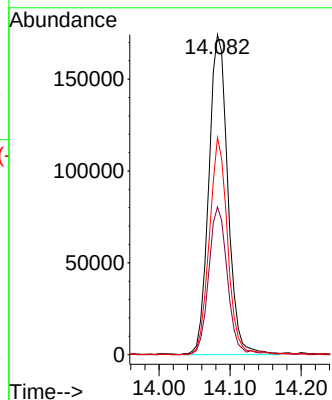
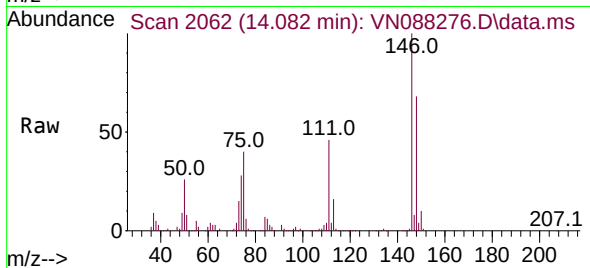
#87
1,2-Dichlorobenzene
Concen: 44.748 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:146 Resp: 324709
Ion Ratio Lower Upper
146 100
111 44.7 23.0 69.0
148 64.5 31.1 93.2

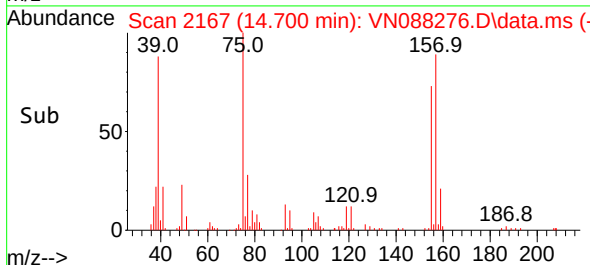
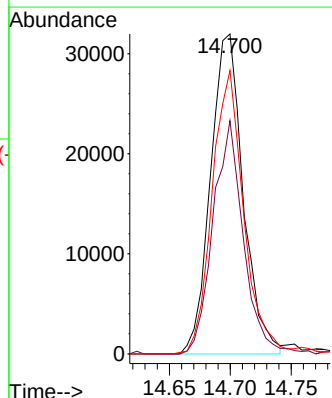
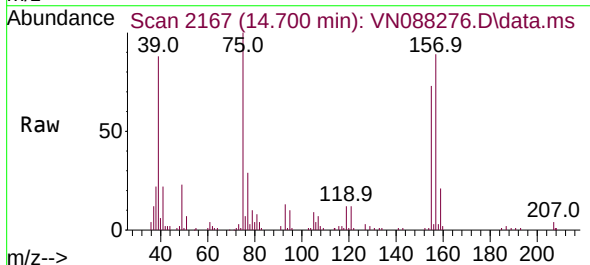
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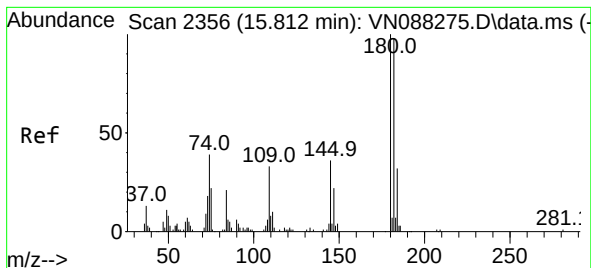
Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 47.944 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

Tgt Ion: 75 Resp: 59546
Ion Ratio Lower Upper
75 100
155 67.7 54.8 82.2
157 85.3 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 42.739 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:180 Resp: 18148

Ion Ratio Lower Upper

180 100

182 94.7 77.3 115.9

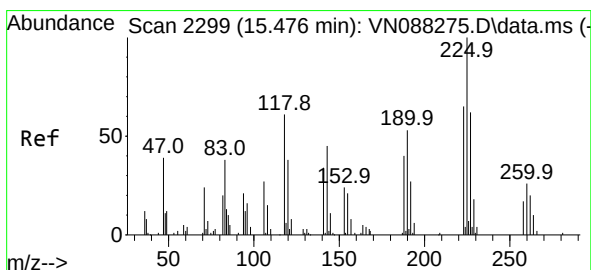
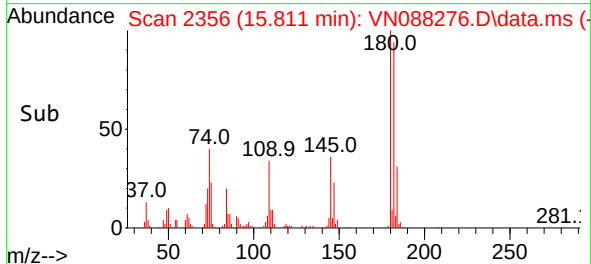
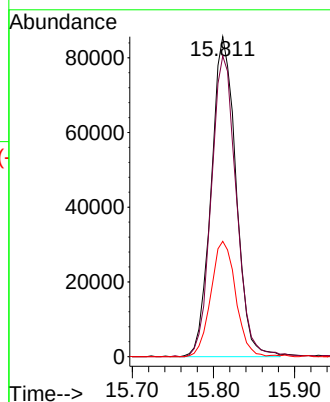
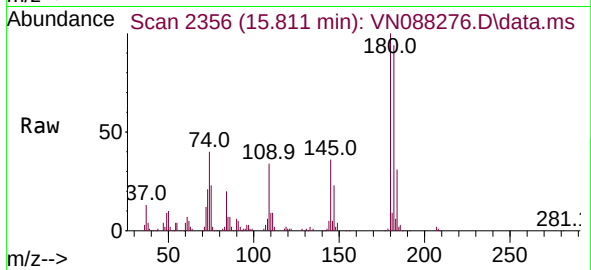
145 36.0 30.2 45.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Semsettin Yesilyurt 11/14/2025



#90

Hexachlorobutadiene

Concen: 47.241 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VN088276.D

Acq: 13 Nov 2025 11:08

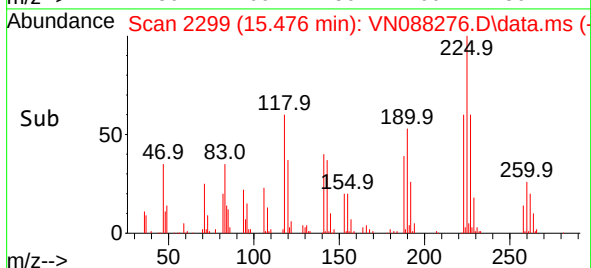
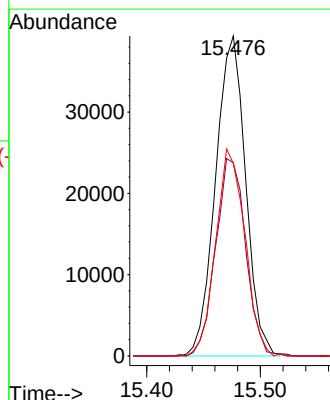
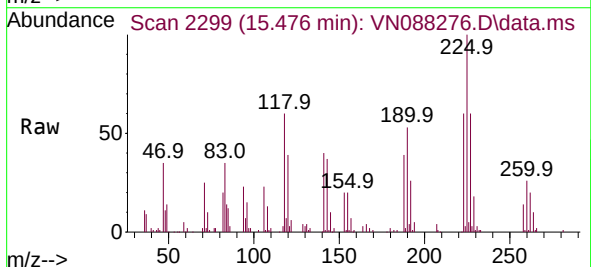
Tgt Ion:225 Resp: 72346

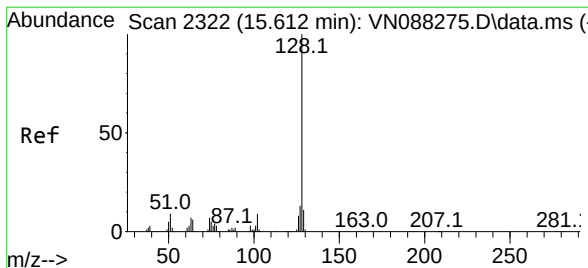
Ion Ratio Lower Upper

225 100

223 61.3 0.0 132.0

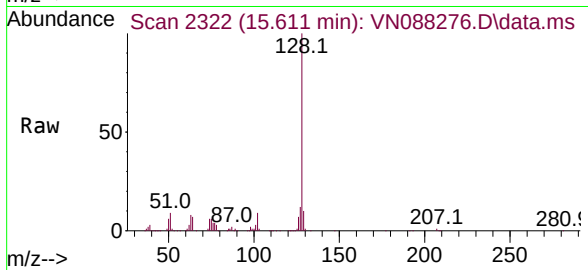
227 62.7 0.0 132.6





#91
Naphthalene
Concen: 42.535 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08

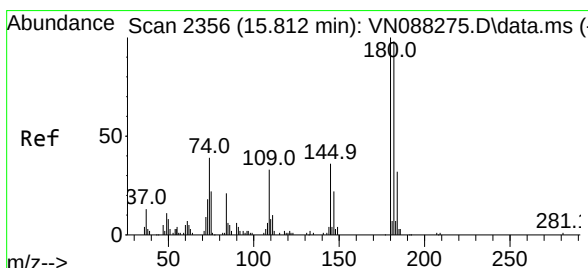
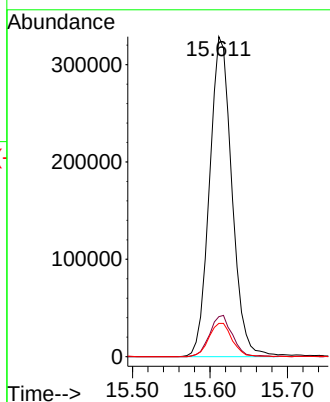
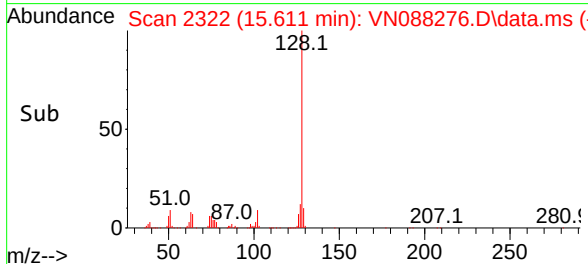
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



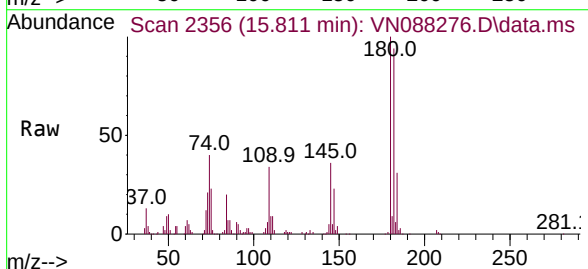
Tgt Ion:128 Resp: 659204
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



#92
1,2,3-Trichlorobenzene
Concen: 42.739 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088276.D
Acq: 13 Nov 2025 11:08



Tgt Ion:180 Resp: 181481
Ion Ratio Lower Upper
180 100
182 94.7 0.0 193.2
145 36.0 0.0 75.6

