

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085677.D
 Acq On : 05 Feb 2025 15:11
 Operator : JC\MD
 Sample : Q1280-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 06 00:41:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

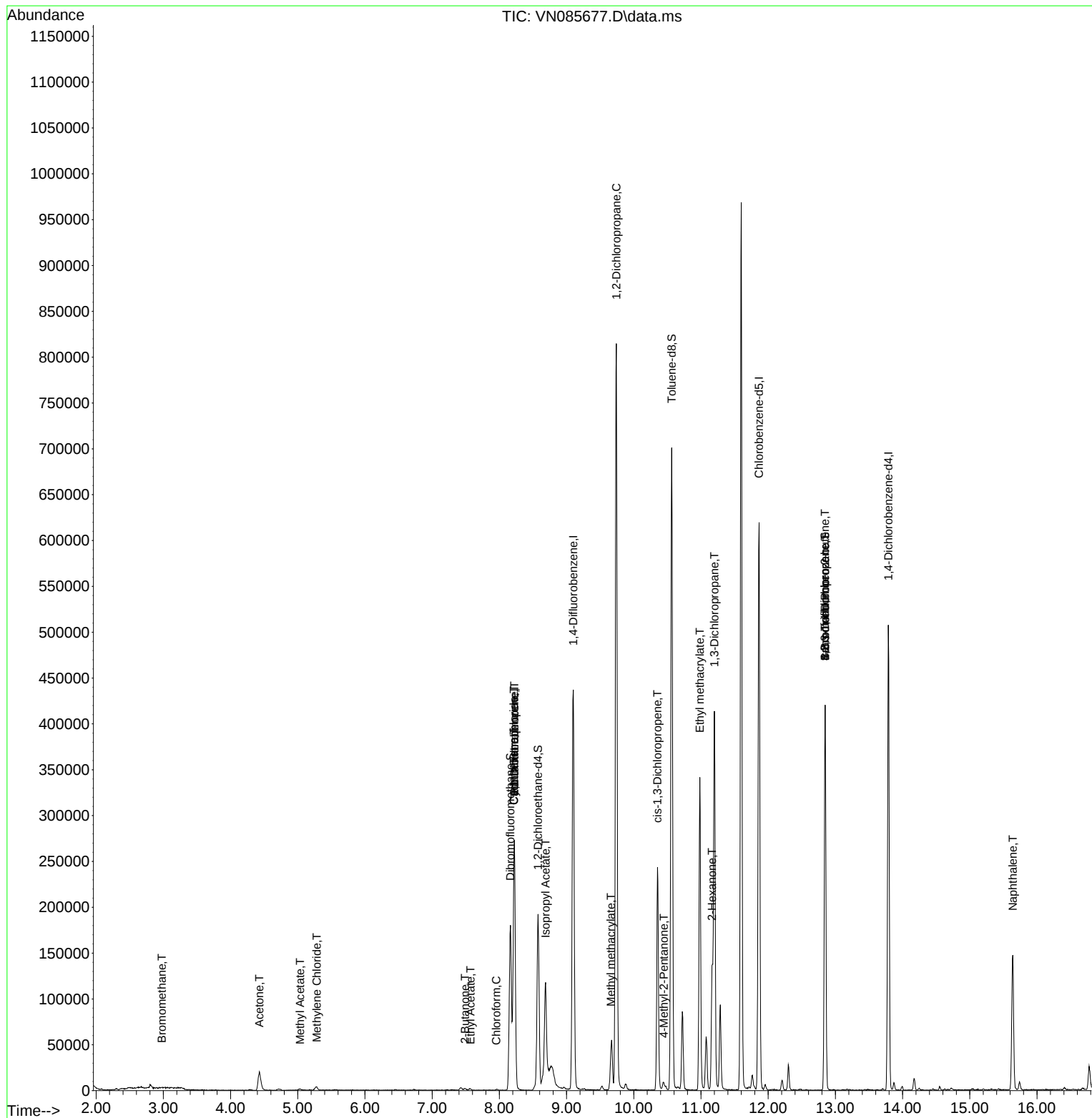
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	382857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	353023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152660	49.235	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.460%
35) Dibromofluoromethane	8.165	113	128581	48.410	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.820%
50) Toluene-d8	10.565	98	491931	52.128	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.260%
62) 4-Bromofluorobenzene	12.847	95	139401	43.183	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	381	0.223	ug/l	94
16) Acetone	4.430	43	36977	36.909	ug/l	94
18) Methyl Acetate	5.036	43	2533	0.831	ug/l	99
20) Methylene Chloride	5.283	84	2857	1.152	ug/l #	80
25) 2-Butanone	7.488	43	3691	2.504	ug/l #	85
30) Chloroform	7.953	83	1099	0.235	ug/l #	74
31) Cyclohexane	8.218	56	5140	1.306	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	16850	4.520	ug/l #	51
37) Ethyl Acetate	7.571	43	2817	0.749	ug/l #	84
38) Carbon Tetrachloride	8.218	117	21255	4.980	ug/l #	17
43) Isopropyl Acetate	8.688	43	141391	23.452	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	937	0.328	ug/l #	43
48) Methyl methacrylate	9.659	41	3301	1.217	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	9928	2.838	ug/l #	78
54) cis-1,3-Dichloropropene	10.353	75	43293	10.197	ug/l #	68
56) Ethyl methacrylate	10.982	69	2037	2.384	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4511	1.010	ug/l #	43
59) 2-Hexanone	11.165	43	154836	62.898	ug/l #	26
71) Bromoform	12.847	173	1269	0.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73944	27.089	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73944	73.291	ug/l #	3
95) Naphthalene	15.641	128	140654	23.313	ug/l	99

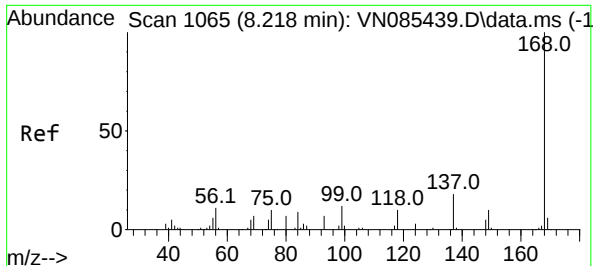
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 05 Feb 2025 15:11
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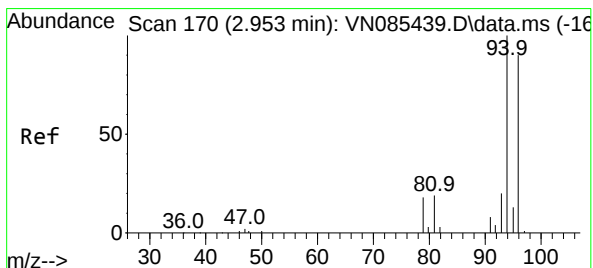
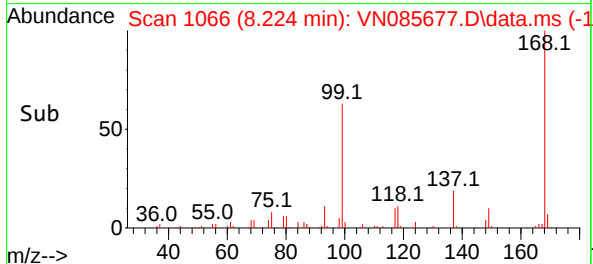
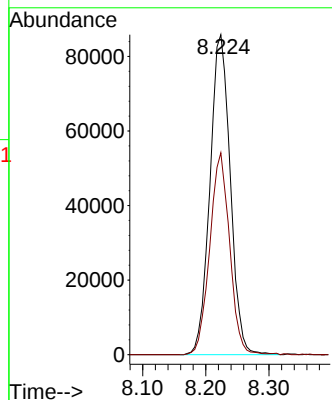
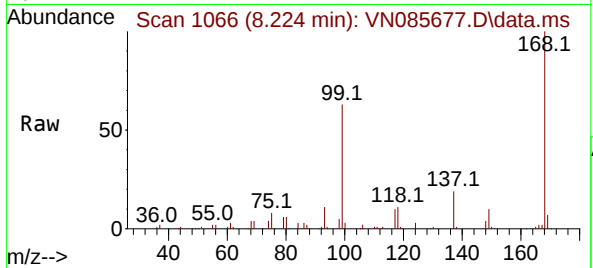




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

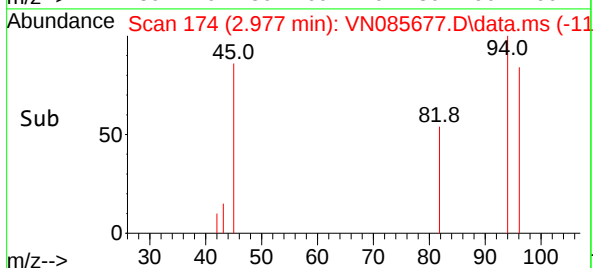
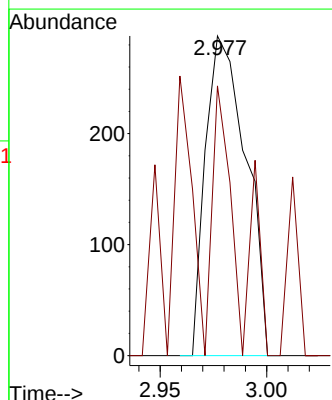
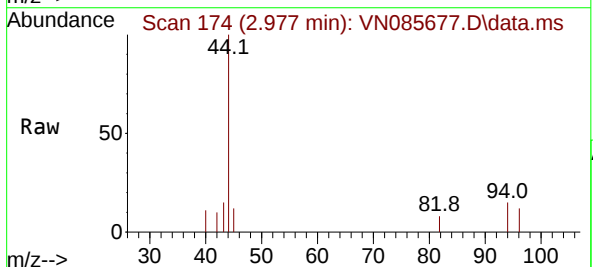
Instrument :
MSVOA_N
ClientSampleId :

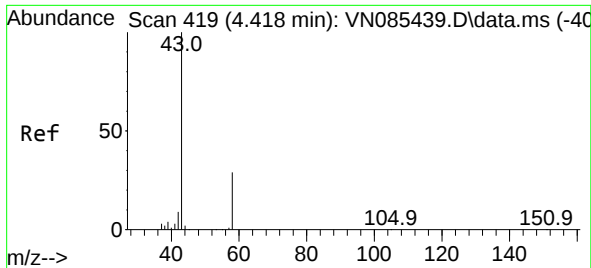
Tgt Ion:168 Resp: 192086
Ion Ratio Lower Upper
168 100
99 63.1 53.6 80.4



#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 84.4 71.8 107.6

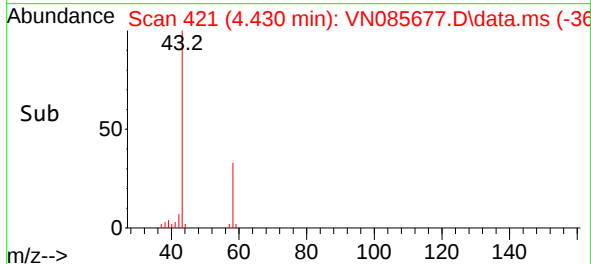
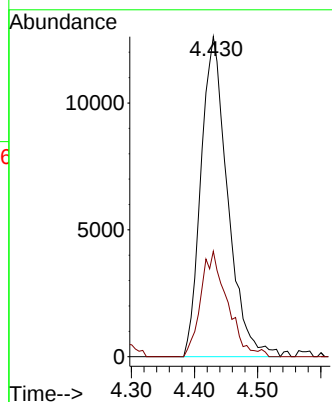
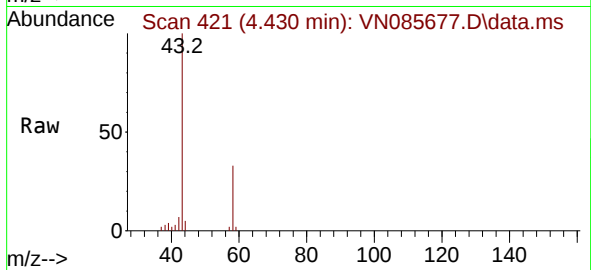




#16
Acetone
Concen: 36.909 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

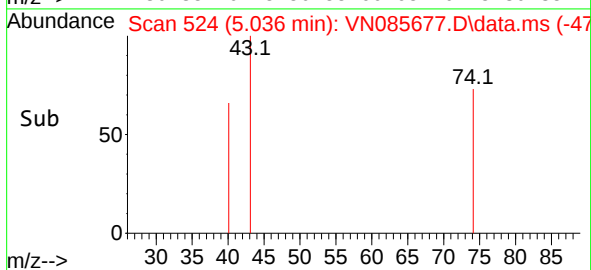
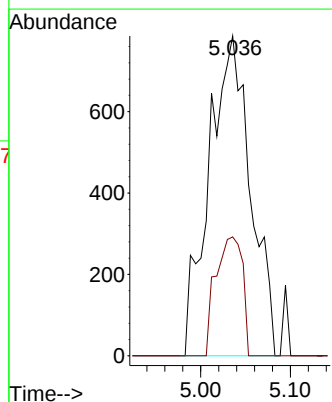
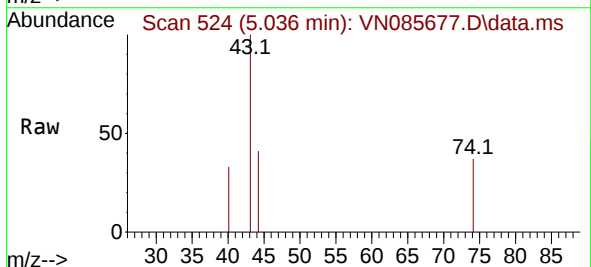
Instrument :
MSVOA_N
ClientSampleId :

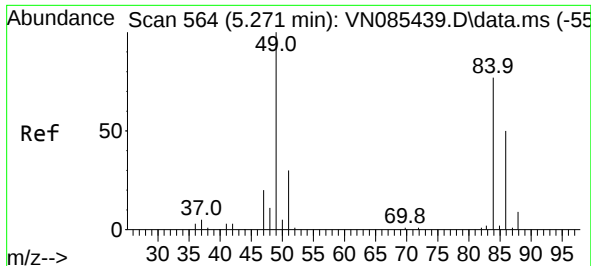
Tgt Ion: 43 Resp: 36977
Ion Ratio Lower Upper
43 100
58 33.0 23.8 35.6



#18
Methyl Acetate
Concen: 0.831 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

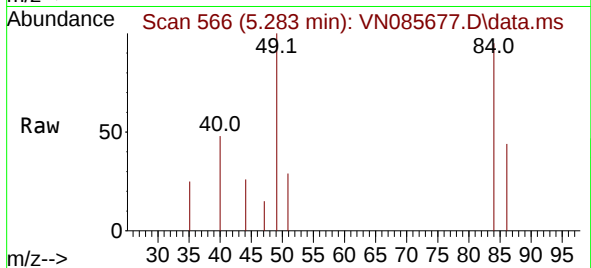
Tgt Ion: 43 Resp: 2533
Ion Ratio Lower Upper
43 100
74 23.8 18.6 28.0





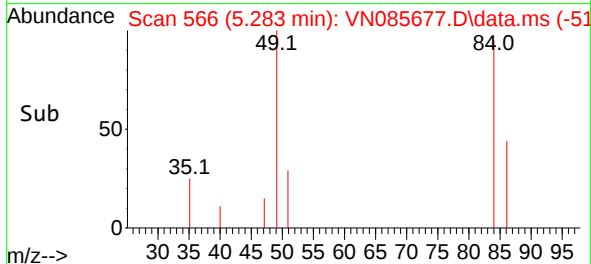
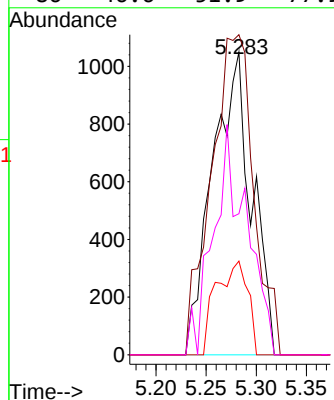
#20
Methylene Chloride
Concen: 1.152 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2857

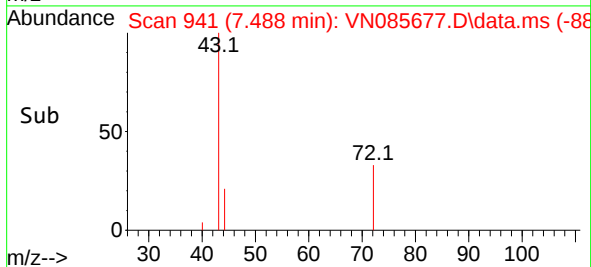
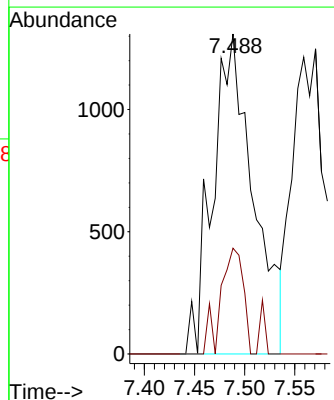
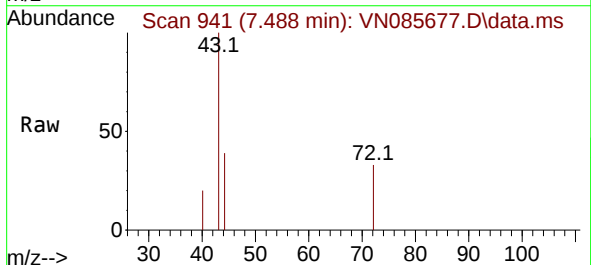
Ion	Ratio	Lower	Upper
84	100		
49	105.7	104.1	156.1
51	31.0	31.0	46.4#
86	46.6	51.9	77.9#

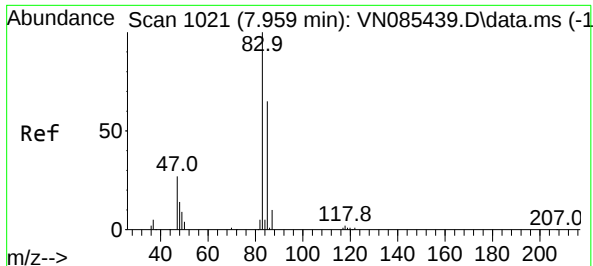


#25
2-Butanone
Concen: 2.504 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion: 43 Resp: 3691

Ion	Ratio	Lower	Upper
43	100		
72	33.1	20.2	30.4#

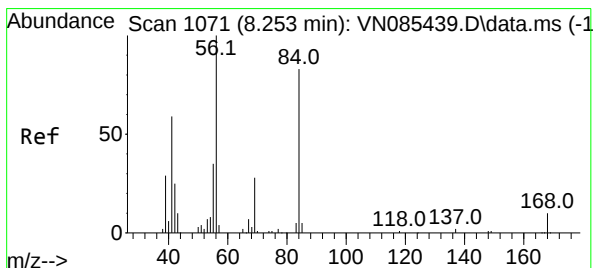
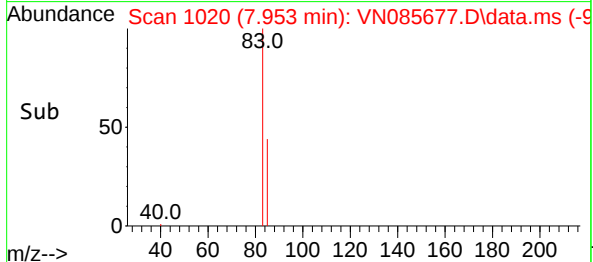
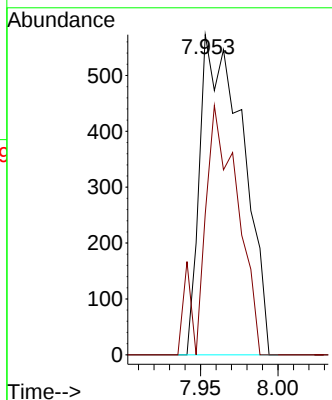
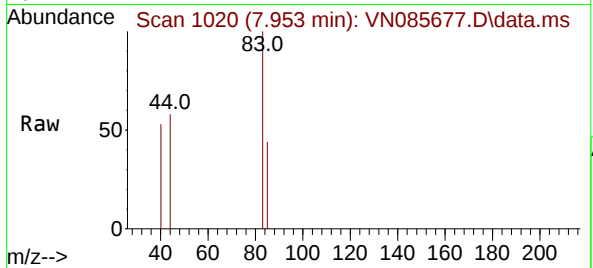




#30
Chloroform
Concen: 0.235 ug/l
RT: 7.953 min Scan# 1099
Delta R.T. -0.006 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

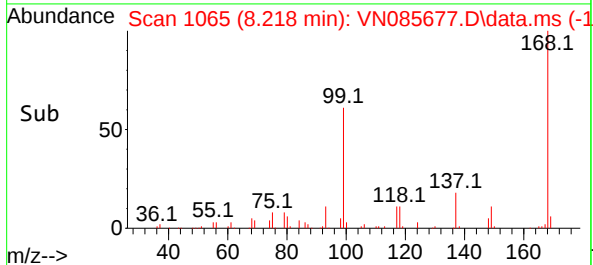
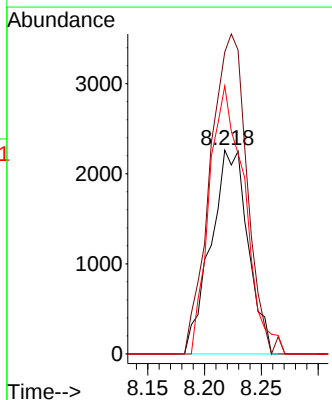
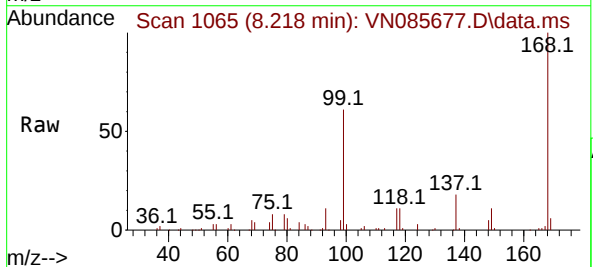
Instrument :
MSVOA_N
ClientSampleId :

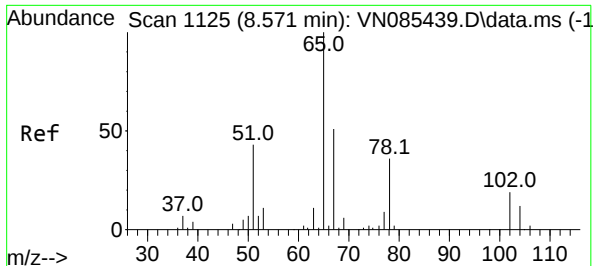
Tgt Ion: 83 Resp: 1099
Ion Ratio Lower Upper
83 100
85 44.0 51.8 77.6#



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion: 56 Resp: 5140
Ion Ratio Lower Upper
56 100
69 148.2 22.2 33.4#
84 131.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.235 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

Instrument :

MSVOA_N

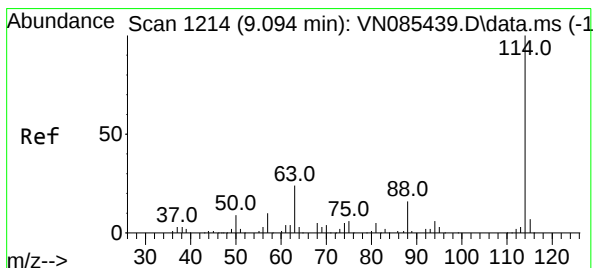
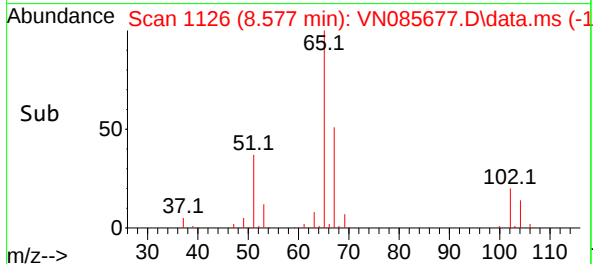
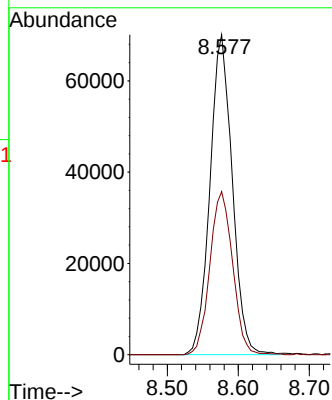
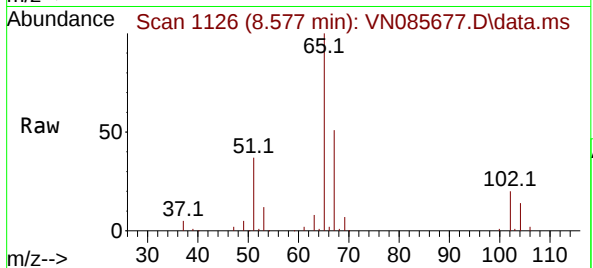
ClientSampleId :

Tgt Ion: 65 Resp: 152660

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

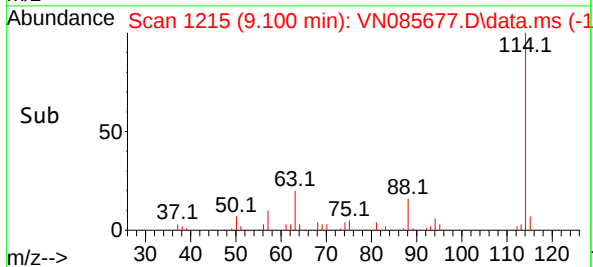
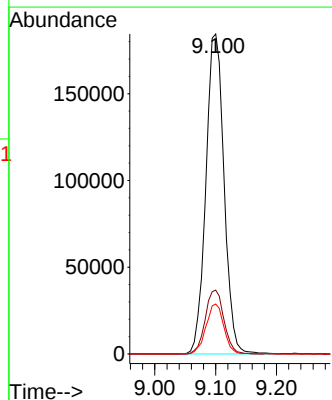
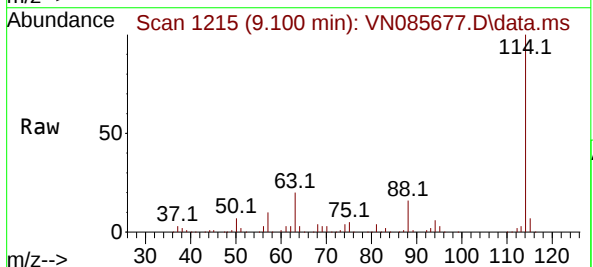
Tgt Ion: 114 Resp: 382857

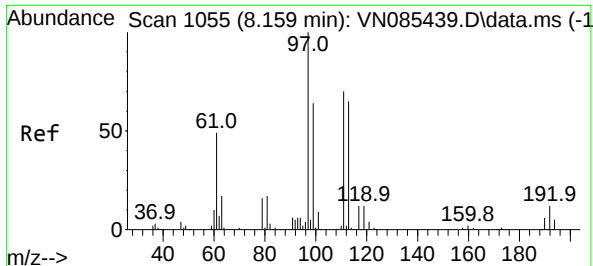
Ion Ratio Lower Upper

114 100

63 20.0 0.0 47.6

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.410 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.006 min

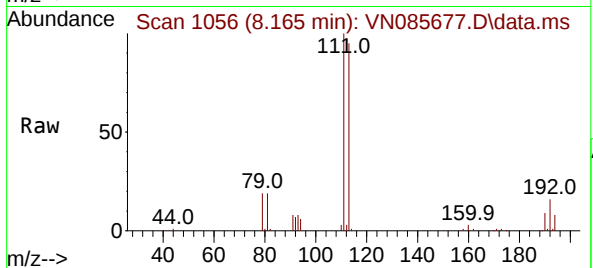
Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

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MSVOA_N

ClientSampleId :



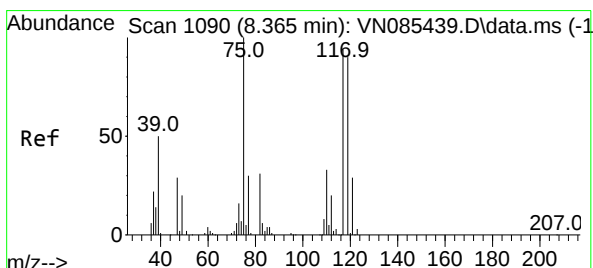
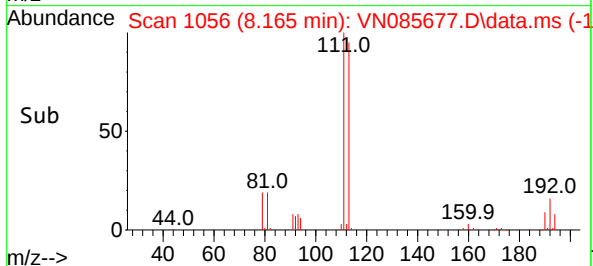
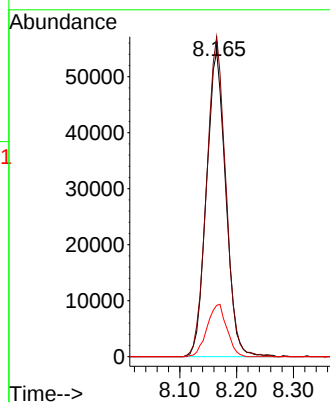
Tgt Ion:113 Resp: 128581

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.520 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

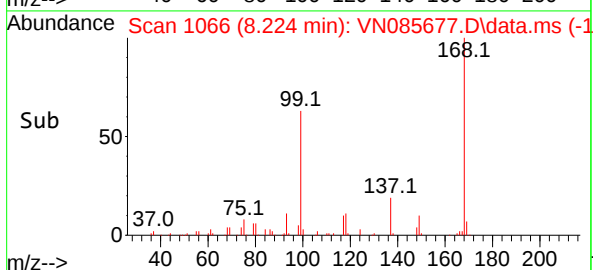
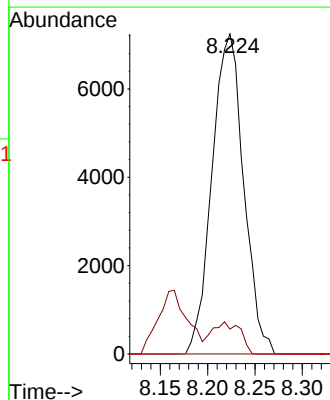
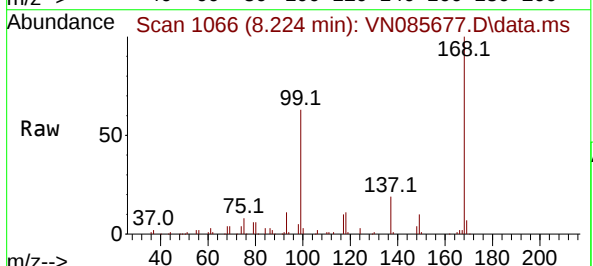
Tgt Ion: 75 Resp: 16850

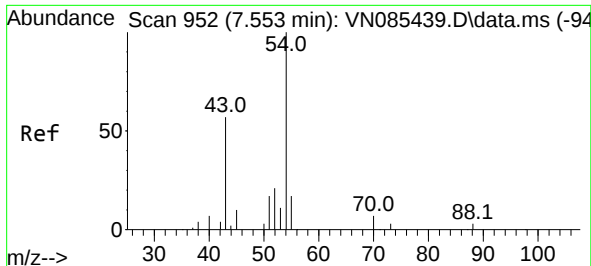
Ion Ratio Lower Upper

75 100

110 9.0 16.5 49.5#

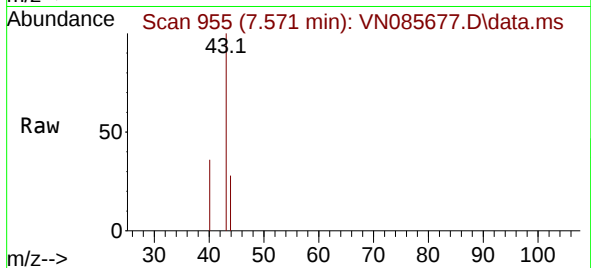
77 0.0 24.4 36.6#



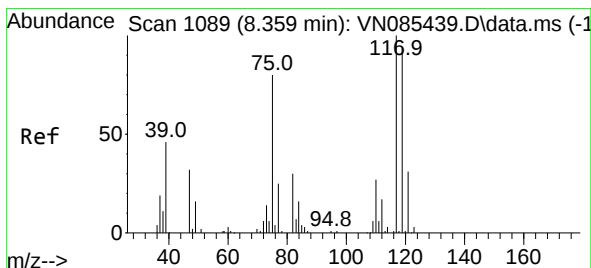
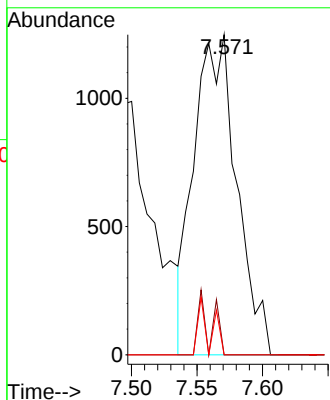
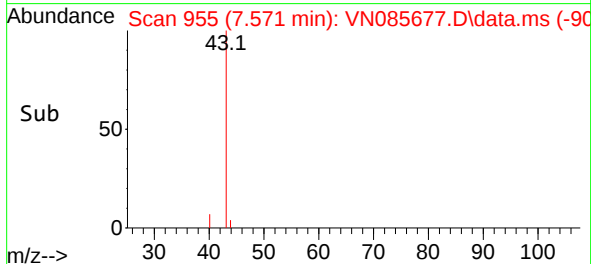


#37
Ethyl Acetate
Concen: 0.749 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Instrument :
MSVOA_N
ClientSampleId :

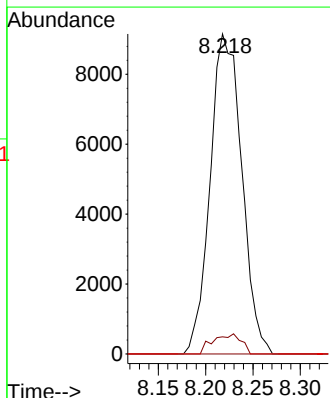
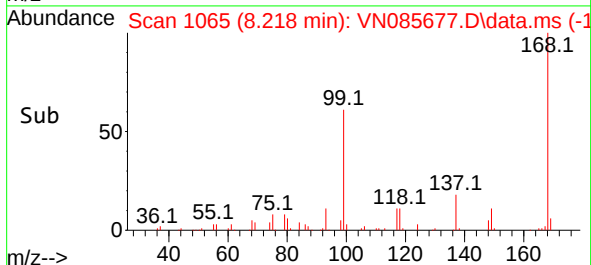
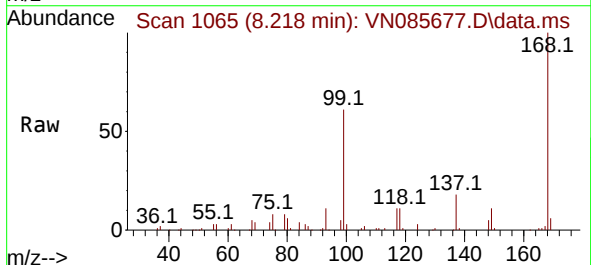


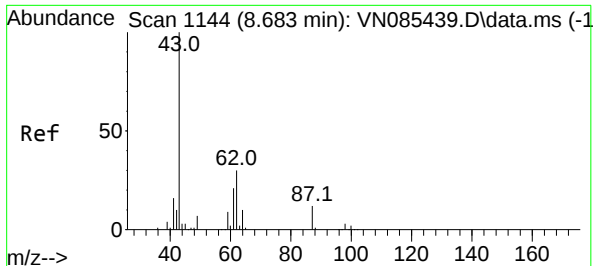
Tgt Ion: 43 Resp: 2817
Ion Ratio Lower Upper
43 100
61 5.9 10.9 16.3#
70 5.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.980 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

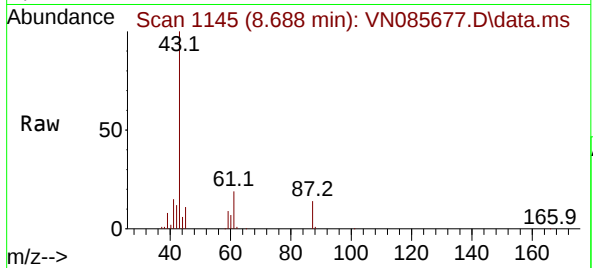
Tgt Ion: 117 Resp: 21255
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.6 37.0#



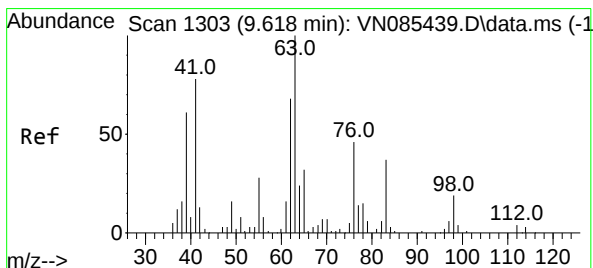
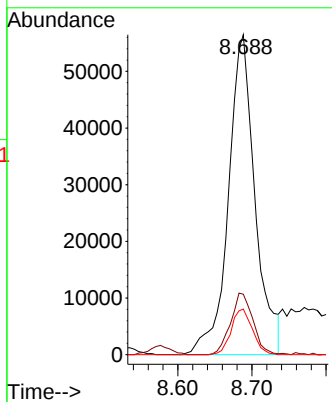
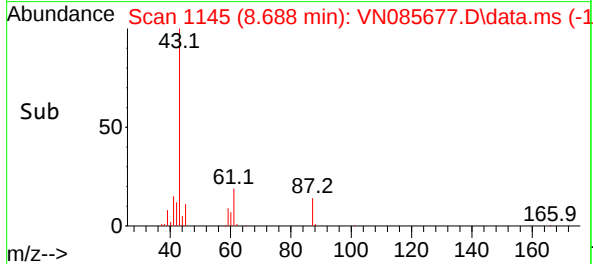


#43
Isopropyl Acetate
Concen: 23.452 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Instrument :
MSVOA_N
ClientSampleId :

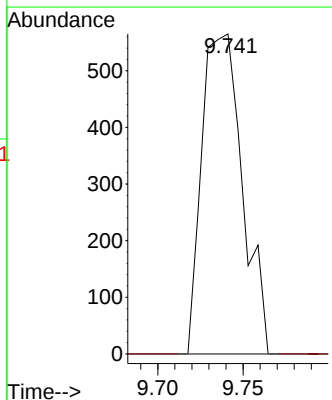
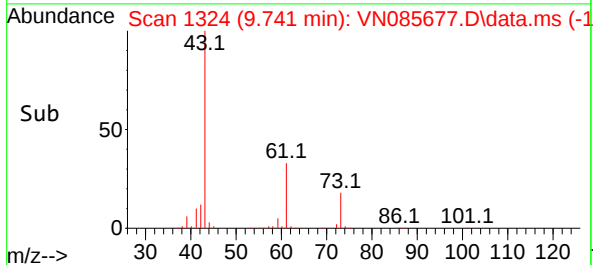
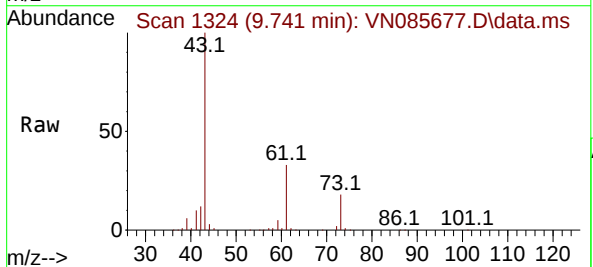


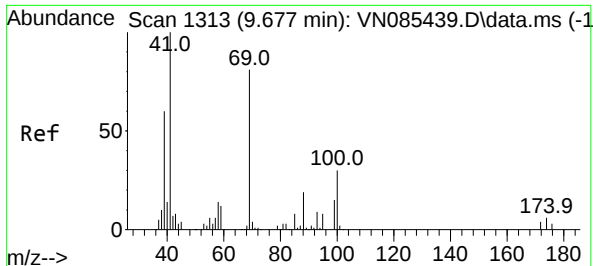
Tgt Ion: 43 Resp: 141391
Ion Ratio Lower Upper
43 100
61 16.2 20.7 31.1#
87 11.4 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.328 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion: 63 Resp: 937
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.217 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

Instrument :

MSVOA_N

ClientSampleId :

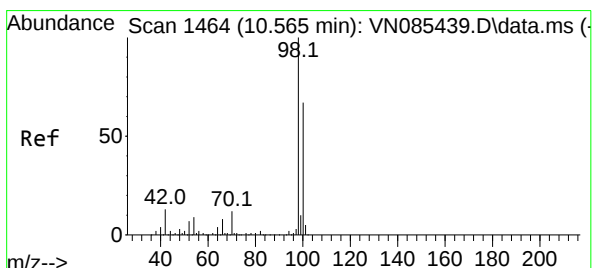
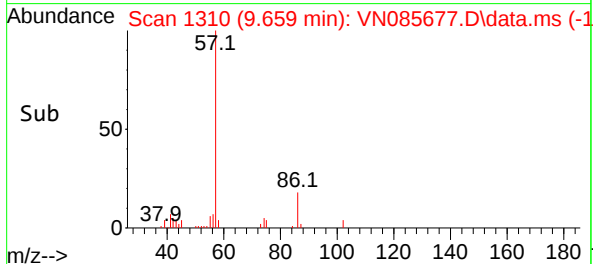
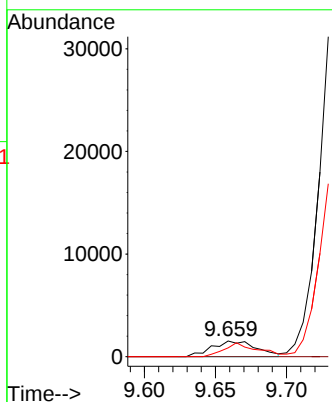
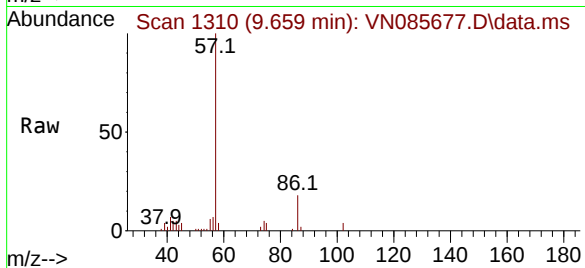
Tgt Ion: 41 Resp: 3301

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 68.3 49.0 73.6



#50

Toluene-d8

Concen: 52.128 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085677.D

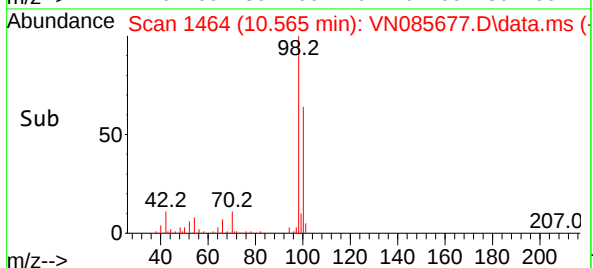
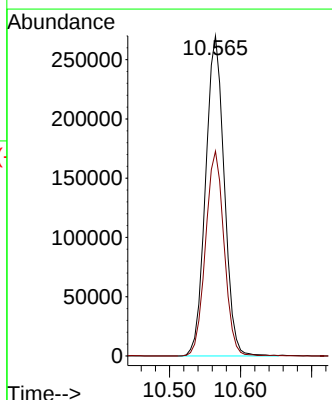
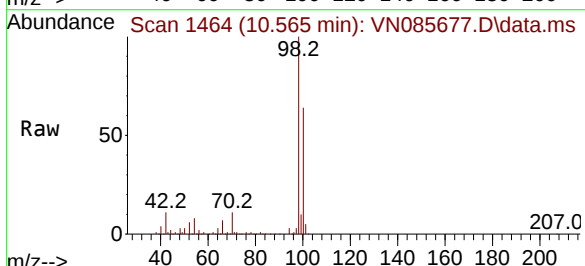
Acq: 05 Feb 2025 15:11

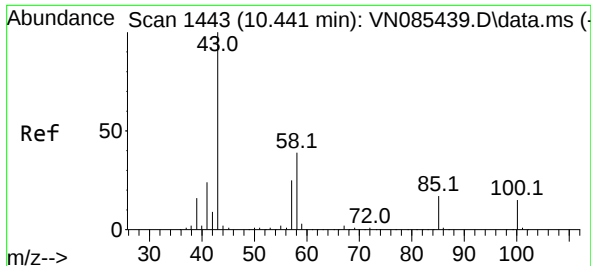
Tgt Ion: 98 Resp: 491931

Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 2.838 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

Instrument :

MSVOA_N

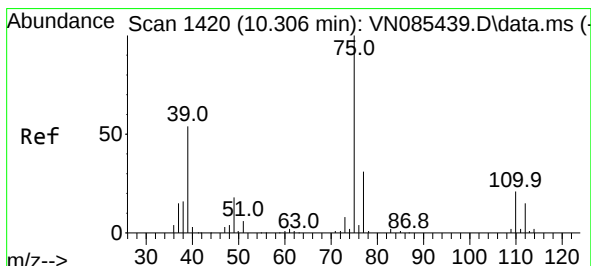
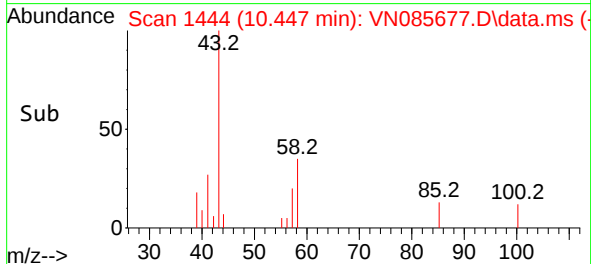
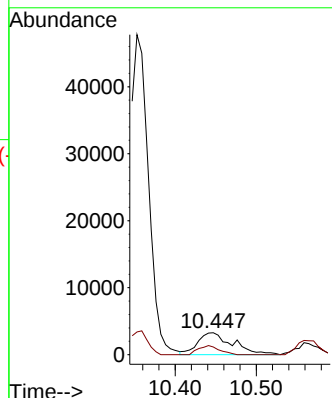
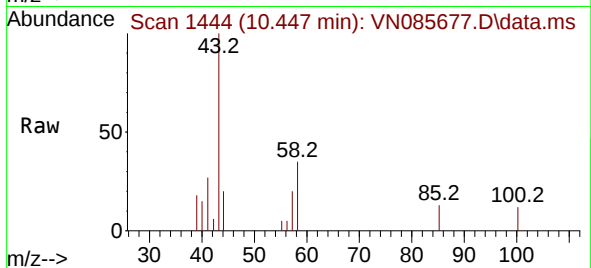
ClientSampleId :

Tgt Ion: 43 Resp: 9928

Ion Ratio Lower Upper

43 100

58 24.7 30.5 45.7#



#54

cis-1,3-Dichloropropene

Concen: 10.197 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.047 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

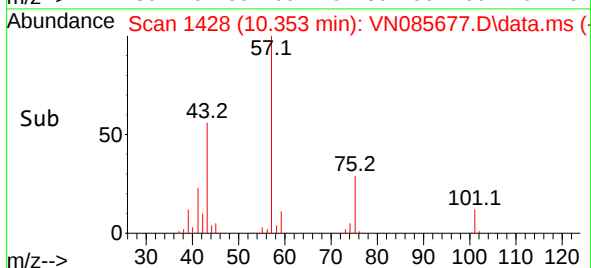
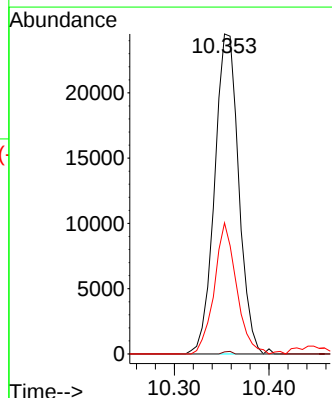
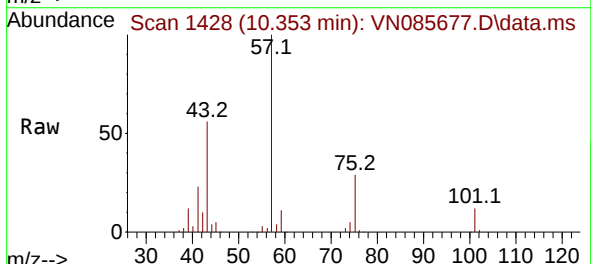
Tgt Ion: 75 Resp: 43293

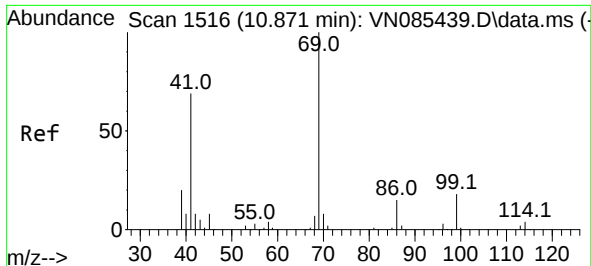
Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.4#

39 41.0 43.1 64.7#

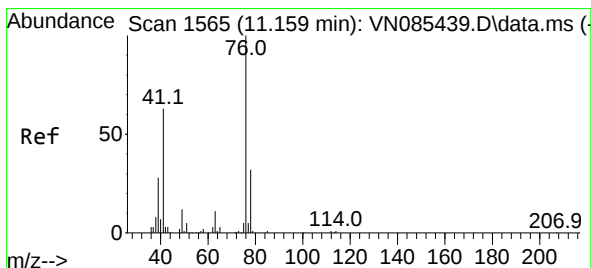
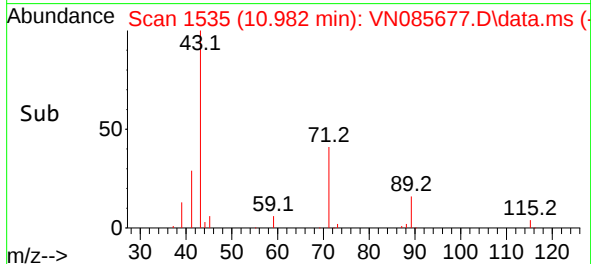
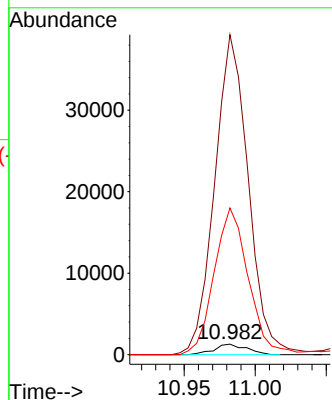
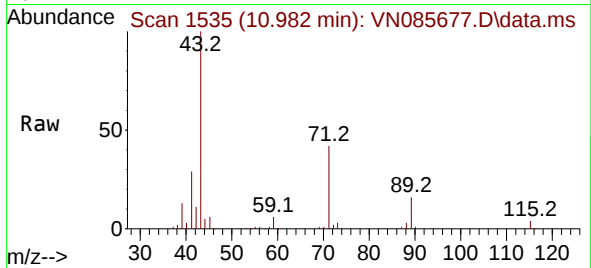




#56
Ethyl methacrylate
Concen: 2.384 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

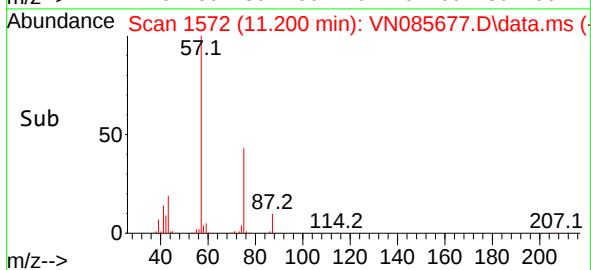
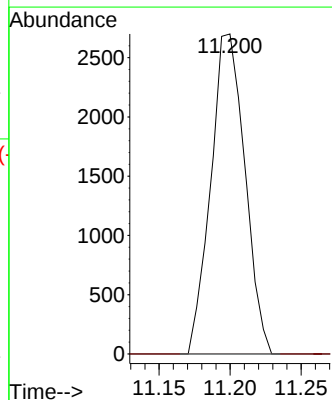
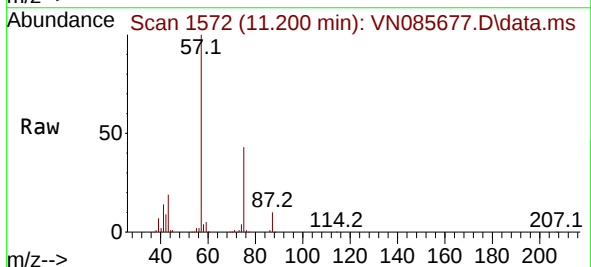
Instrument :
MSVOA_N
ClientSampleId :

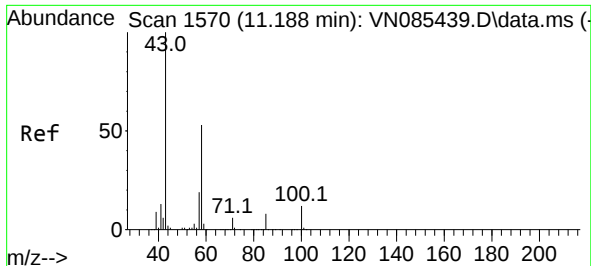
Tgt Ion: 69 Resp: 2037
Ion Ratio Lower Upper
69 100
41 3184.6 54.6 82.0#
39 1483.1 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.010 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion: 76 Resp: 4511
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

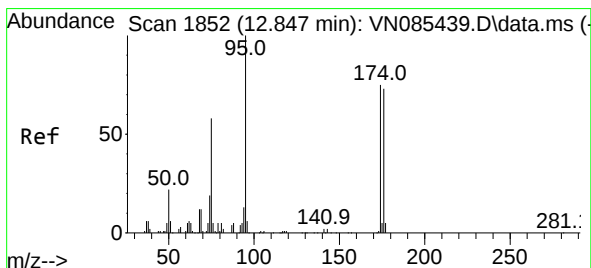
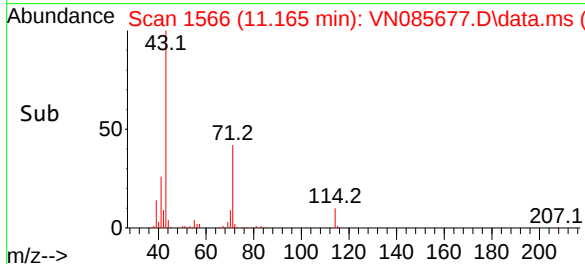
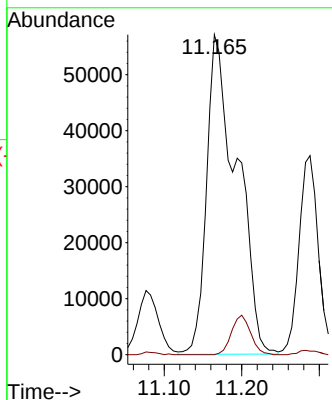
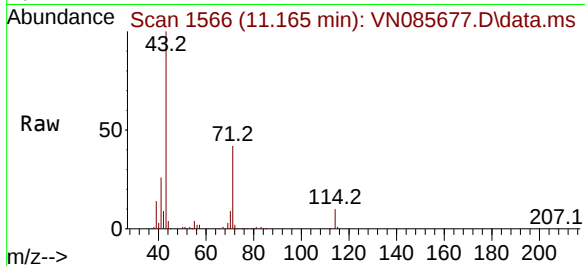




#59
2-Hexanone
Concen: 62.898 ug/l
RT: 11.165 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

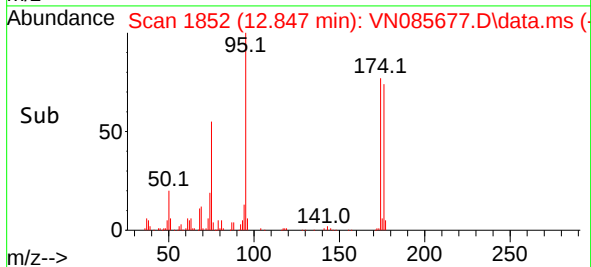
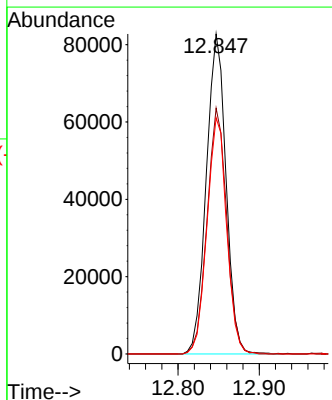
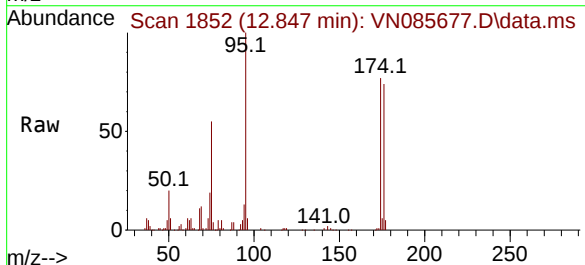
Instrument :
MSVOA_N
ClientSampleId :

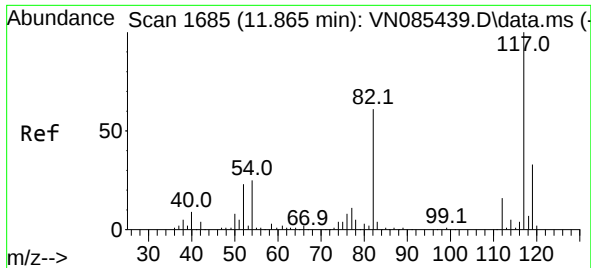
Tgt Ion: 43 Resp: 154836
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion: 95 Resp: 139401
Ion Ratio Lower Upper
95 100
174 76.8 0.0 145.0
176 73.3 0.0 142.4

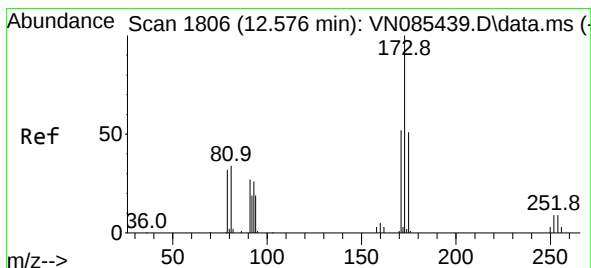
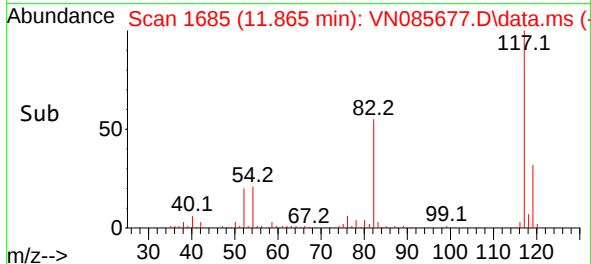
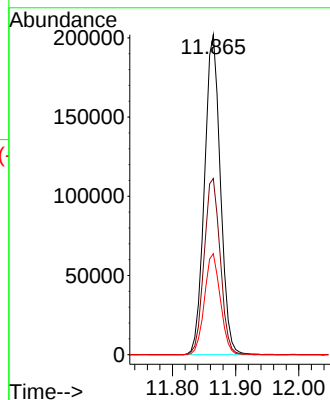
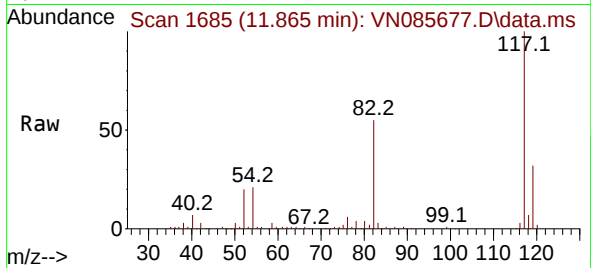




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

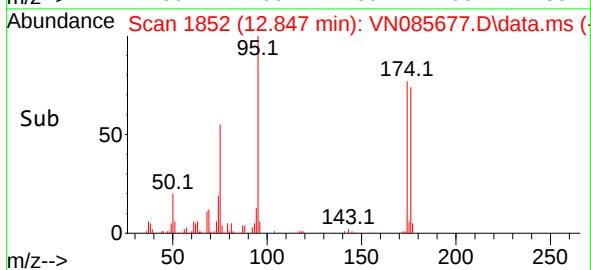
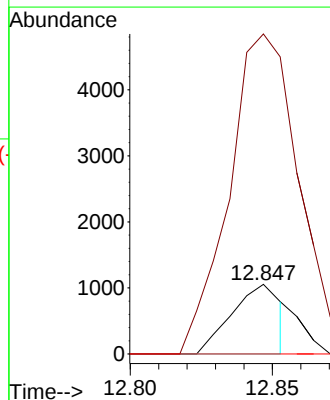
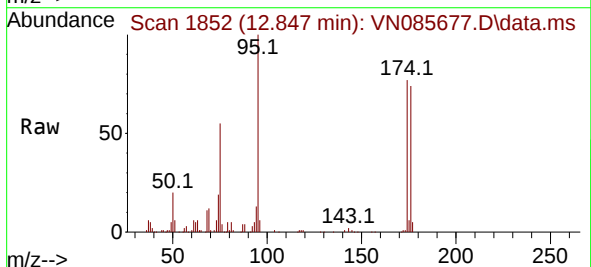
Instrument :
MSVOA_N
ClientSampleId :

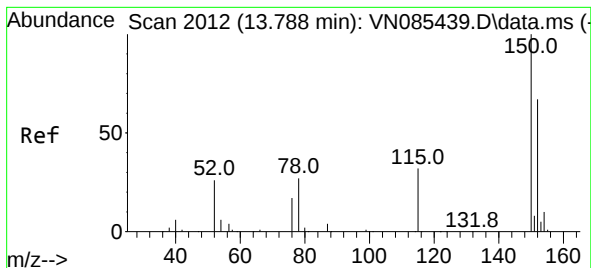
Tgt Ion:117 Resp: 353023
Ion Ratio Lower Upper
117 100
82 55.0 48.6 72.8
119 31.6 26.6 39.8



#71
Bromoform
Concen: 0.625 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion:173 Resp: 1269
Ion Ratio Lower Upper
173 100
175 509.7 24.4 73.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085677.D

Acq: 05 Feb 2025 15:11

Instrument :

MSVOA_N

ClientSampleId :

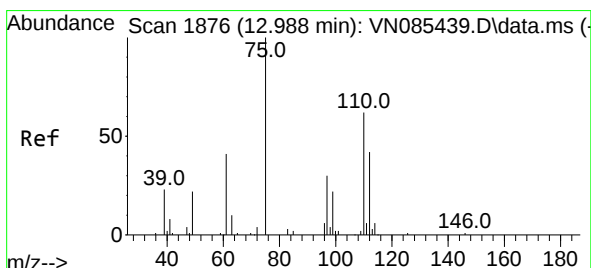
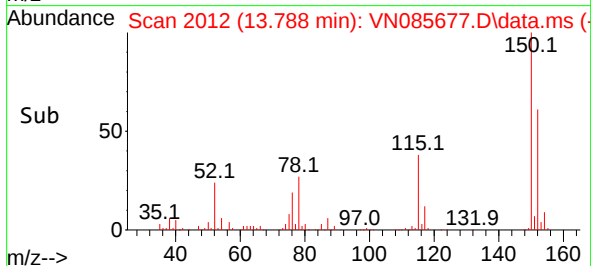
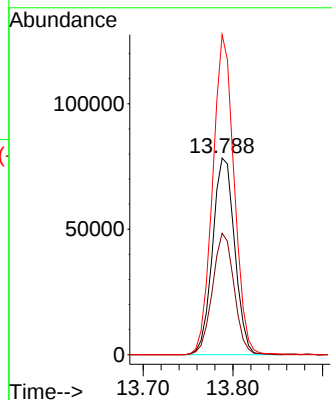
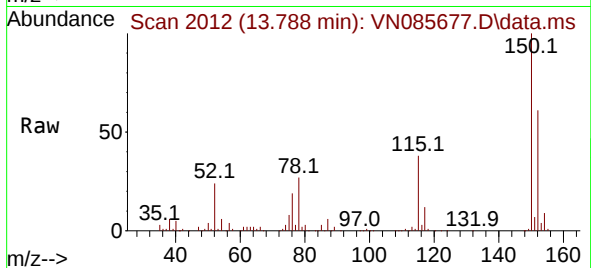
Tgt Ion:152 Resp: 134300

Ion Ratio Lower Upper

152 100

115 60.5 31.1 93.3

150 158.0 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 27.089 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085677.D

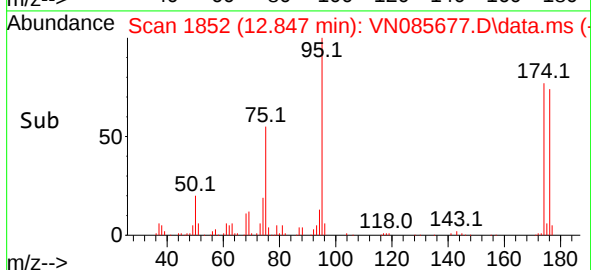
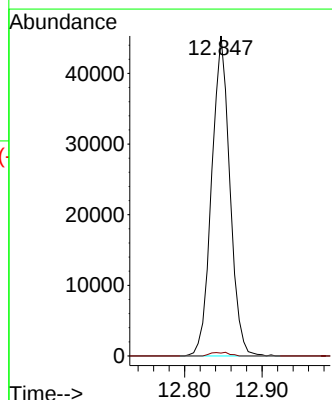
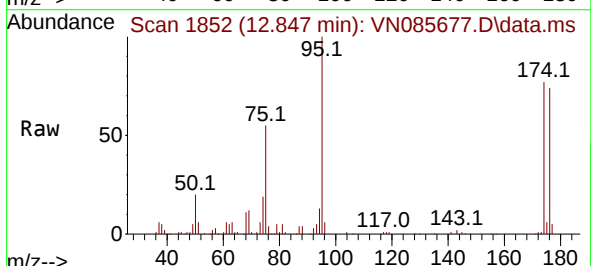
Acq: 05 Feb 2025 15:11

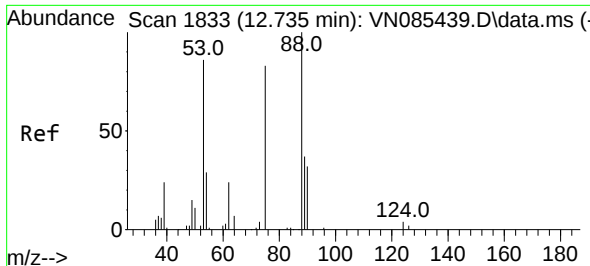
Tgt Ion: 75 Resp: 73944

Ion Ratio Lower Upper

75 100

77 1.1 109.7 329.2#

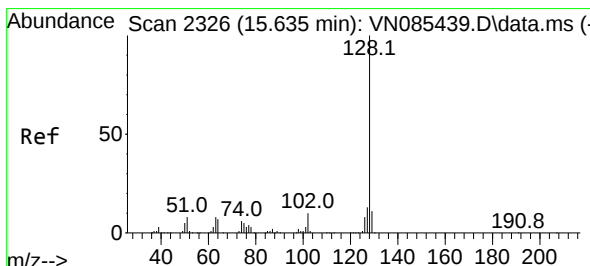
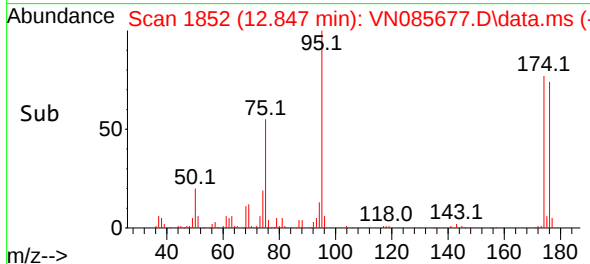
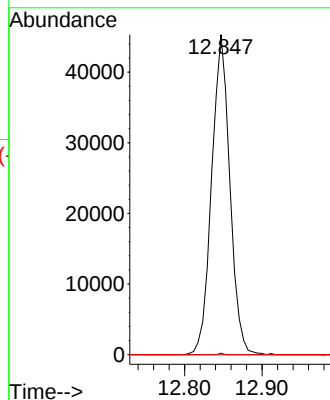
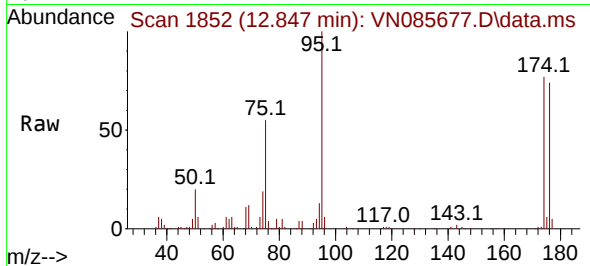




#81
trans-1,4-Dichloro-2-butene
Concen: 73.291 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73944
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 23.313 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085677.D
Acq: 05 Feb 2025 15:11

Tgt Ion:128 Resp: 140654
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 10.7 8.8 13.2

