

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
 Data File : VN085577.D
 Acq On : 30 Jan 2025 14:08
 Operator : JC\MD
 Sample : VN0130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 02:34:15 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	164209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99634	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150924	56.938	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.880%	
35) Dibromofluoromethane	8.165	113	114547	52.965	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.940%	
50) Toluene-d8	10.565	98	377400	49.115	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.240%	
62) 4-Bromofluorobenzene	12.847	95	108250	41.183	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 82.360%	

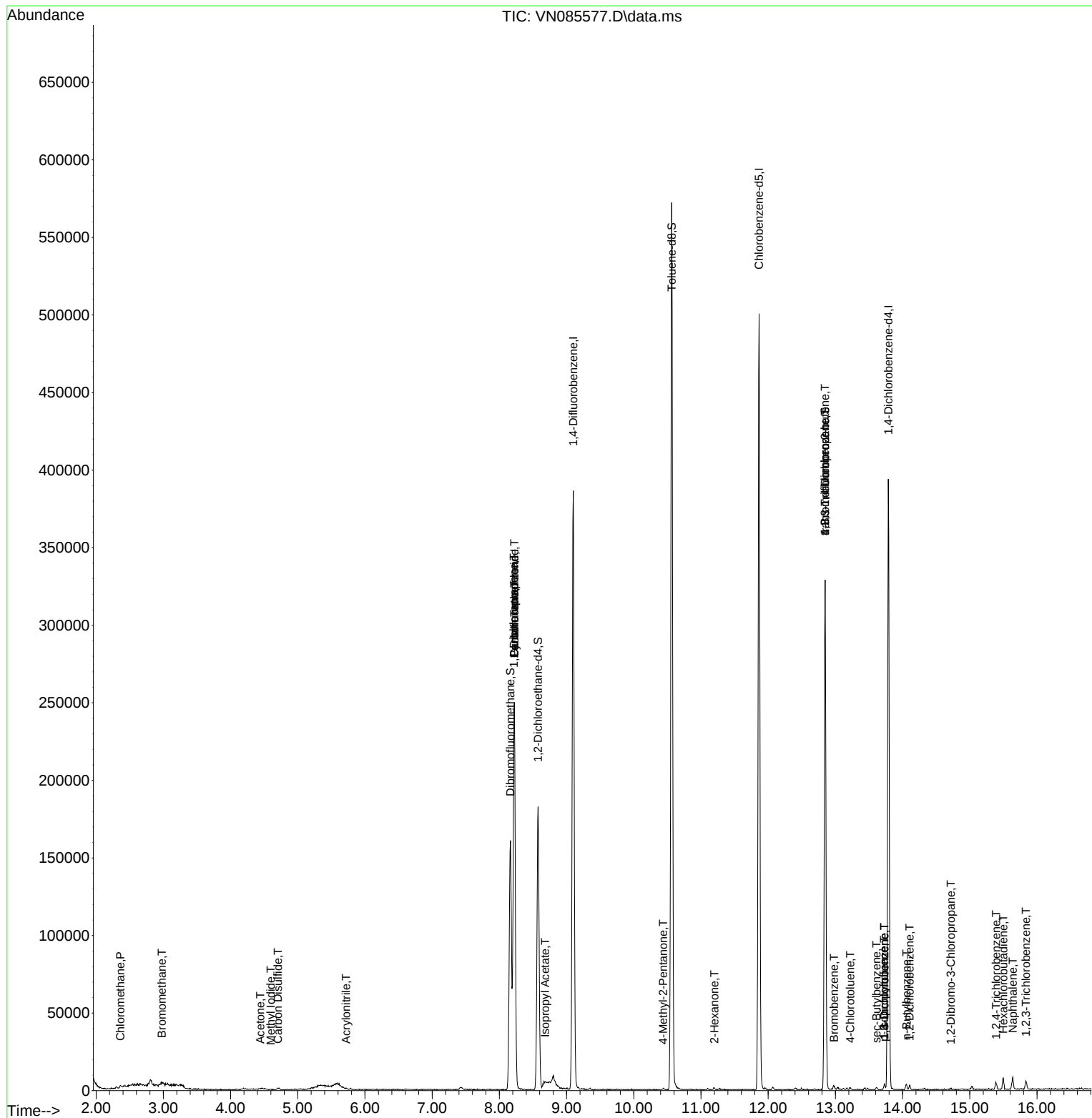
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1026	0.426	ug/l	90
5) Bromomethane	2.977	94	1221	0.835	ug/l	88
10) Methyl Iodide	4.600	142	517	0.228	ug/l #	36
15) Acrylonitrile	5.718	53	753	0.781	ug/l #	40
16) Acetone	4.442	43	582	0.680	ug/l #	45
17) Carbon Disulfide	4.706	76	2652	0.489	ug/l #	76
31) Cyclohexane	8.224	56	5221	1.552	ug/l #	17
36) 1,1-Dichloropropene	8.218	75	15869	5.228	ug/l #	51
38) Carbon Tetrachloride	8.224	117	19693	5.667	ug/l #	16
43) Isopropyl Acetate	8.682	43	3735	0.761	ug/l #	55
51) 4-Methyl-2-Pentanone	10.435	43	953	0.335	ug/l #	37
59) 2-Hexanone	11.200	43	1161	0.579	ug/l	78
76) 1,2,3-Trichloropropane	12.847	75	61596	30.416	ug/l #	1
77) Bromobenzene	12.982	156	560	0.319	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.847	75	61596	82.294	ug/l #	3
82) 4-Chlorotoluene	13.223	91	1281	0.250	ug/l	91
85) sec-Butylbenzene	13.612	105	1537	0.238	ug/l	92
86) p-Isopropyltoluene	13.723	119	1175	0.253	ug/l #	74
87) 1,3-Dichlorobenzene	13.729	146	1300	0.402	ug/l	88
88) 1,4-Dichlorobenzene	13.729	146	1300	0.388	ug/l	88
89) n-Butylbenzene	14.059	91	2553	0.550	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	1211	0.375	ug/l	78
92) 1,2-Dibromo-3-Chloropr...	14.717	75	309	0.712	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.394	180	1935	1.290	ug/l	88
94) Hexachlorobutadiene	15.500	225	1500	1.884	ug/l	86
95) Naphthalene	15.641	128	7259	1.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	2415	1.591	ug/l	92

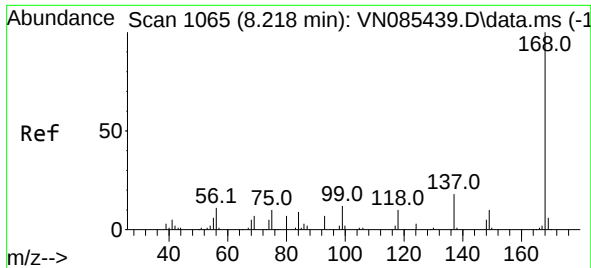
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
Data File : VN085577.D
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Sample : VN0130MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 31 02:34:15 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

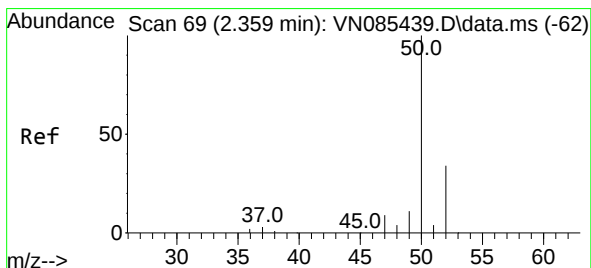
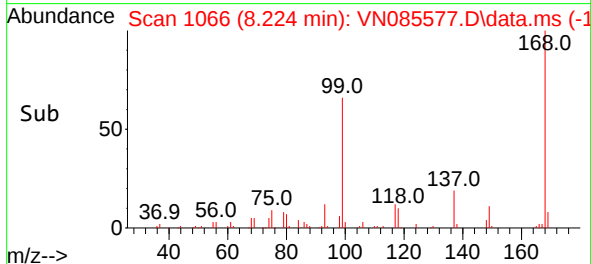
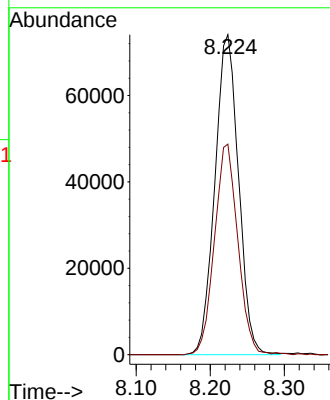
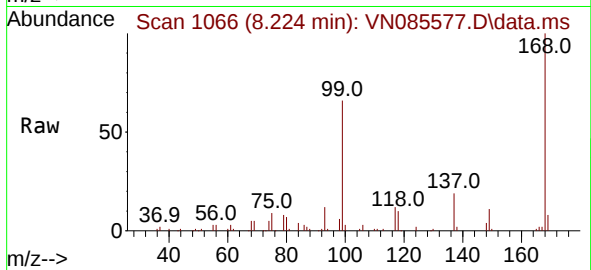




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

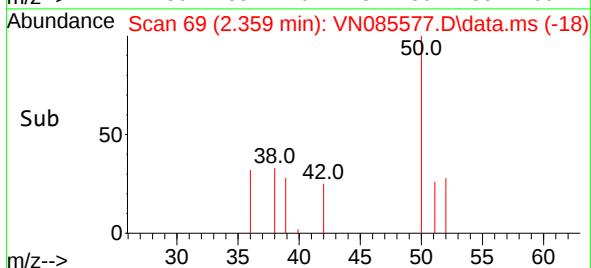
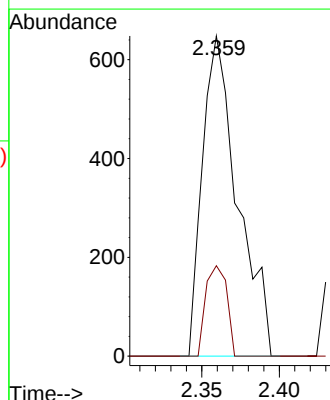
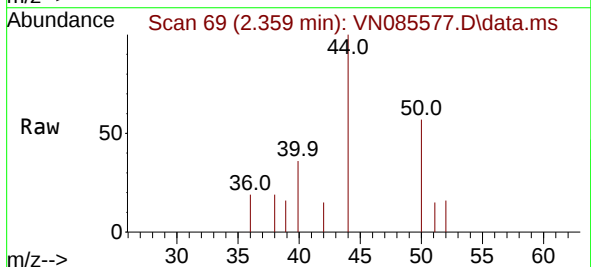
Instrument :
MSVOA_N
ClientSampleId :

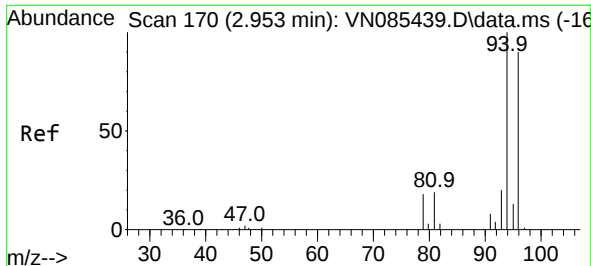
Tgt Ion:168 Resp: 164209
Ion Ratio Lower Upper
168 100
99 65.8 53.6 80.4



#3
Chloromethane
Concen: 0.426 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Tgt Ion: 50 Resp: 1026
Ion Ratio Lower Upper
50 100
52 28.2 27.0 40.6

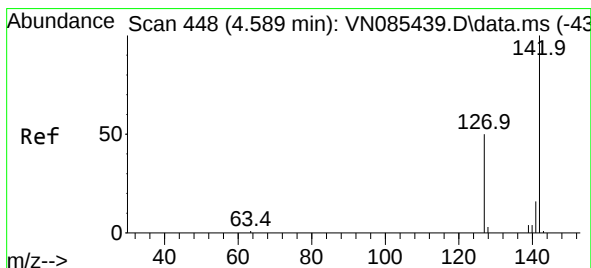
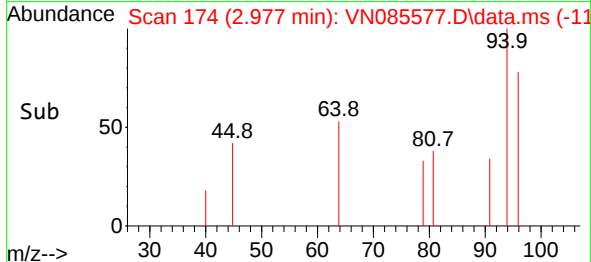
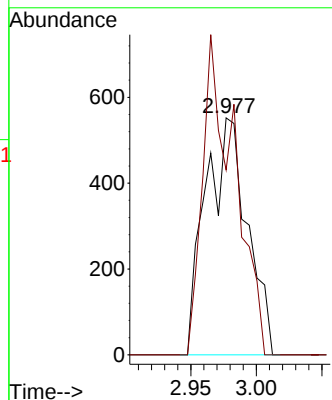
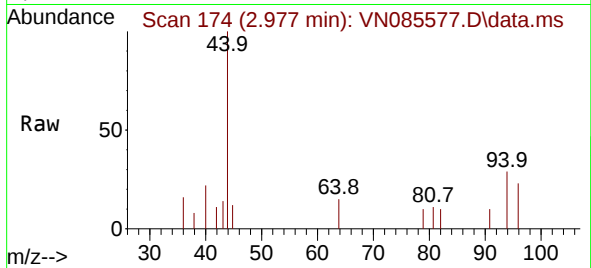




#5
Bromomethane
Concen: 0.835 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

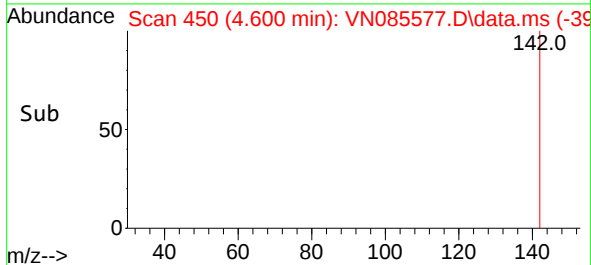
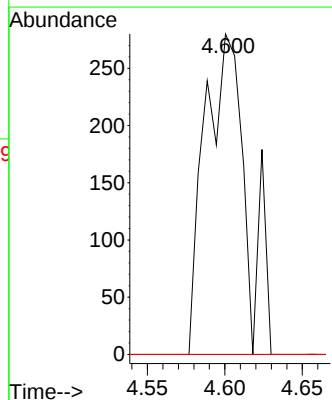
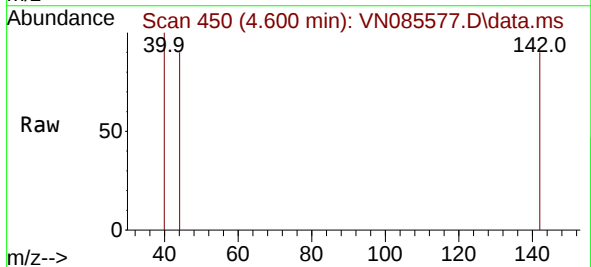
Instrument :
MSVOA_N
ClientSampleId :

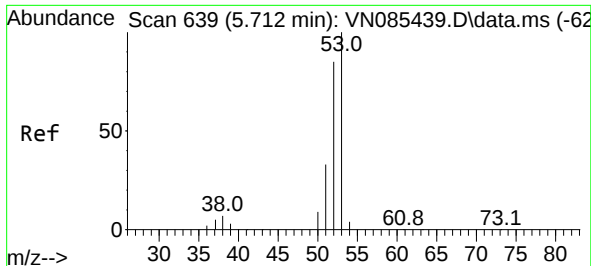
Tgt Ion: 94 Resp: 1221
Ion Ratio Lower Upper
94 100
96 78.1 71.8 107.6



#10
Methyl Iodide
Concen: 0.228 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

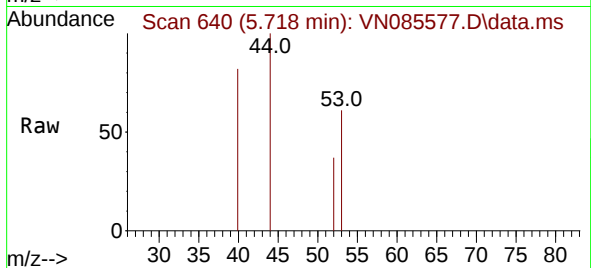
Tgt Ion: 142 Resp: 517
Ion Ratio Lower Upper
142 100
127 0.0 40.3 60.5#
141 0.0 12.8 19.2#



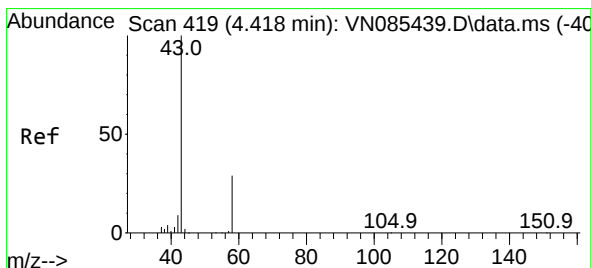
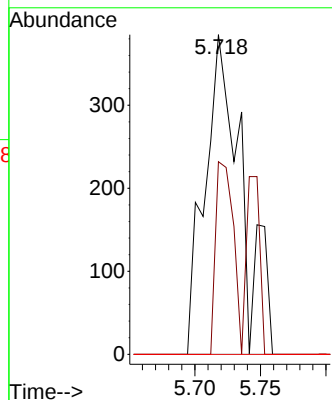
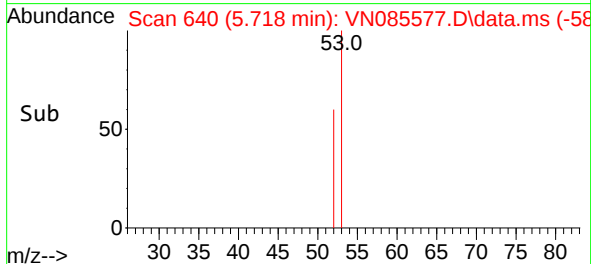


#15
Acrylonitrile
Concen: 0.781 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Instrument :
MSVOA_N
ClientSampleId :

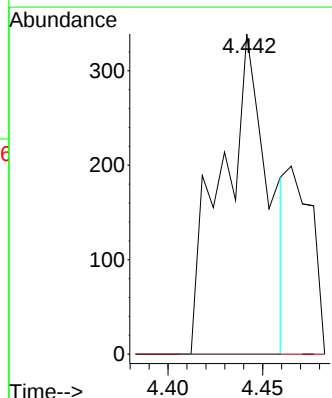
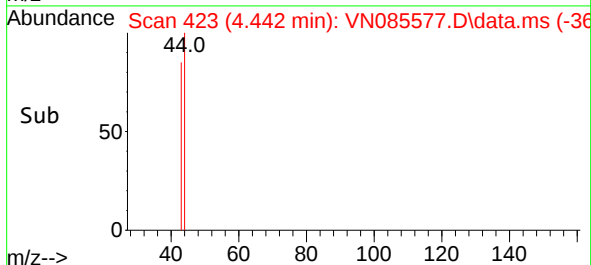
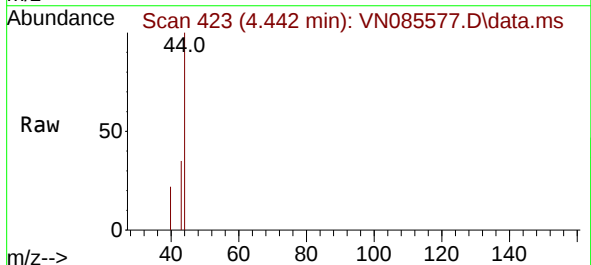


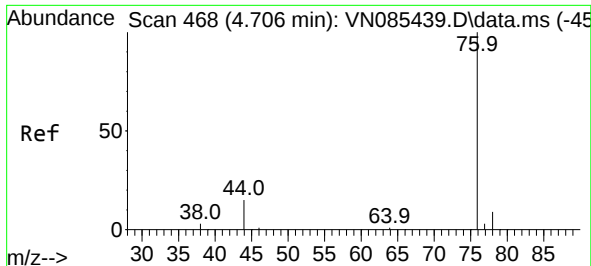
Tgt Ion: 53 Resp: 753
Ion Ratio Lower Upper
53 100
52 28.7 65.5 98.3#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 0.680 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

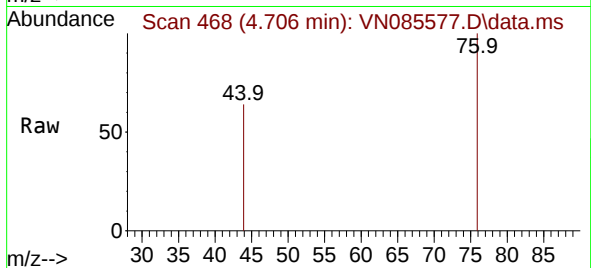
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



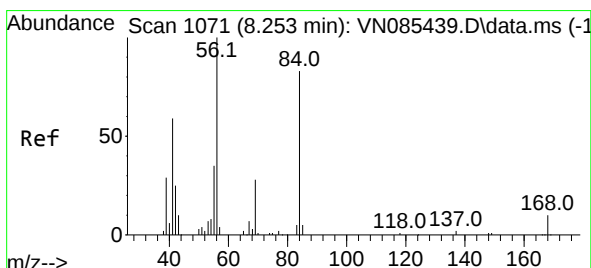
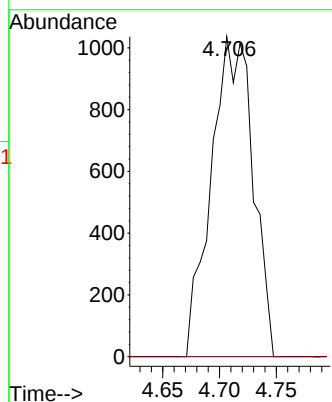
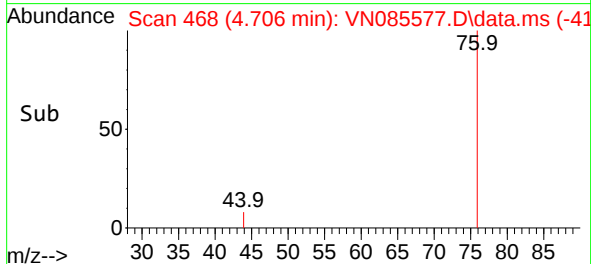


#17
Carbon Disulfide
Concen: 0.489 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

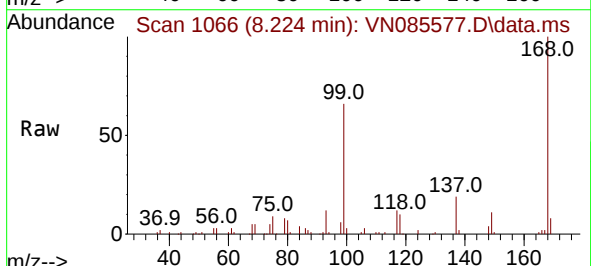
Instrument :
MSVOA_N
ClientSampleId :



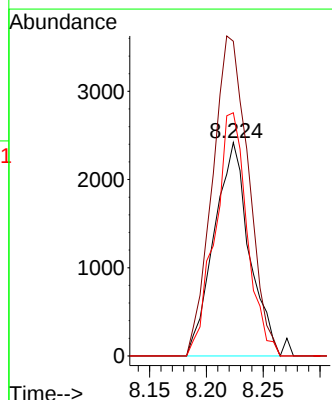
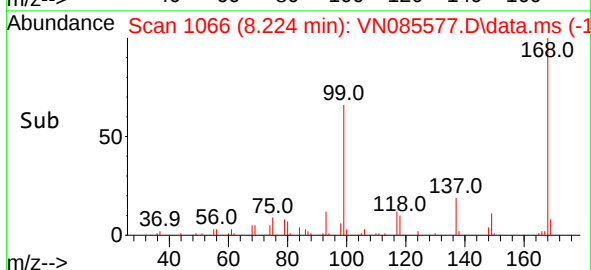
Tgt Ion: 76 Resp: 2652
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

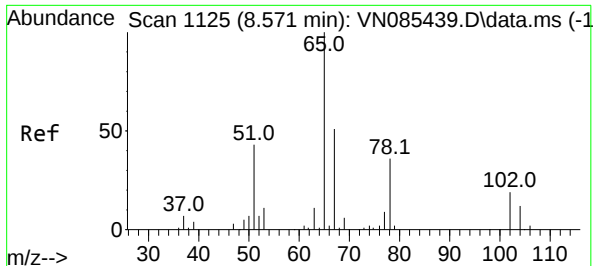


#31
Cyclohexane
Concen: 1.552 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08



Tgt Ion: 56 Resp: 5221
Ion Ratio Lower Upper
56 100
69 147.5 22.2 33.4#
84 114.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.938 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

Instrument :

MSVOA_N

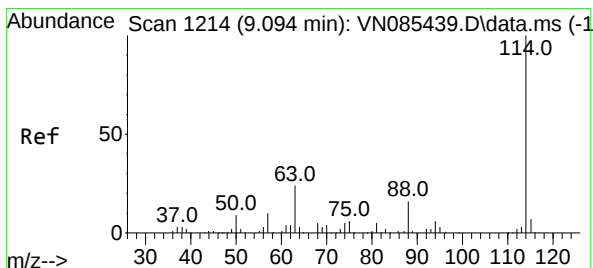
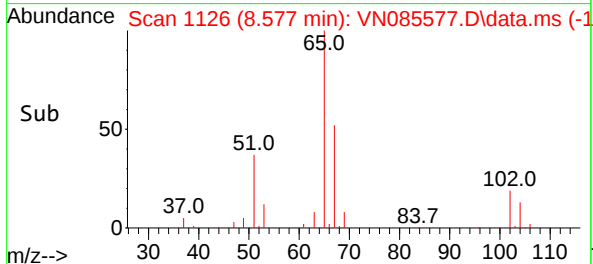
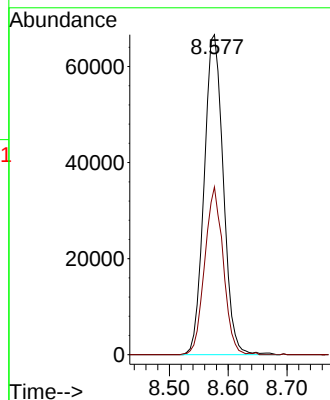
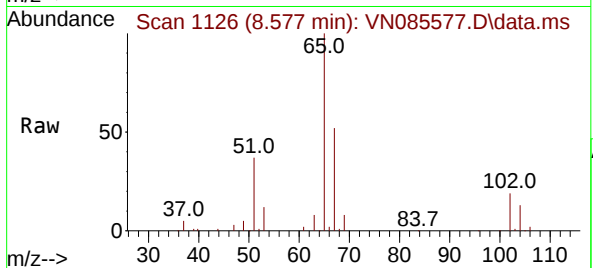
ClientSampleId :

Tgt Ion: 65 Resp: 150924

Ion Ratio Lower Upper

65 100

67 50.7 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: VN085577.D

Acq: 30 Jan 2025 14:08

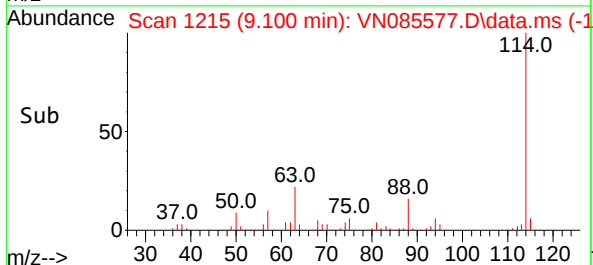
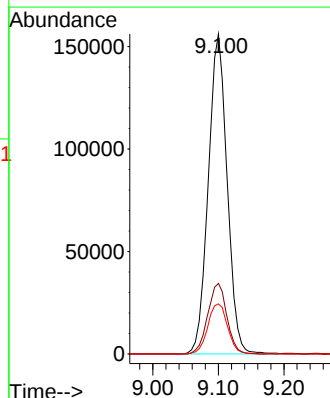
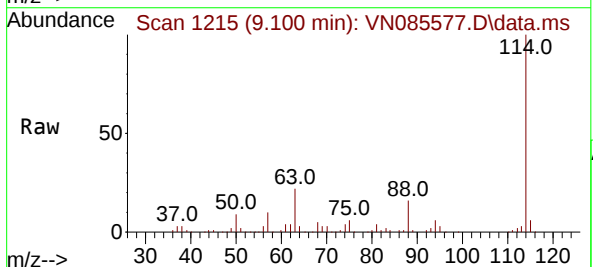
Tgt Ion: 114 Resp: 311736

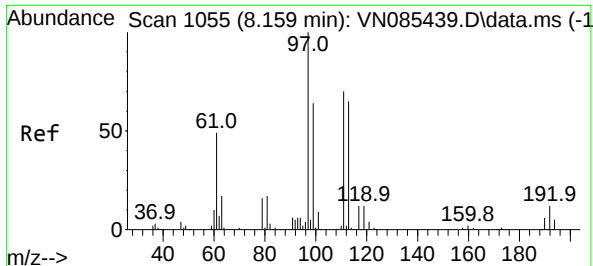
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.965 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

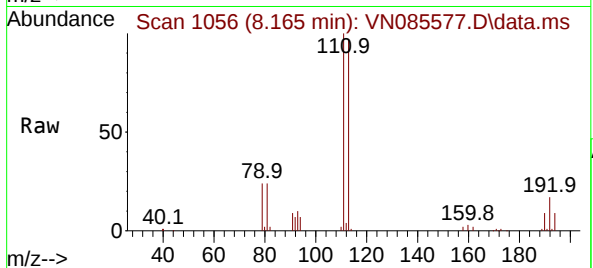
Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :



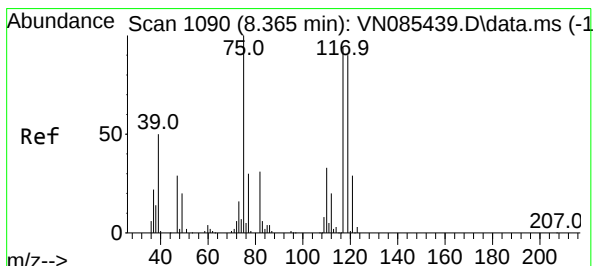
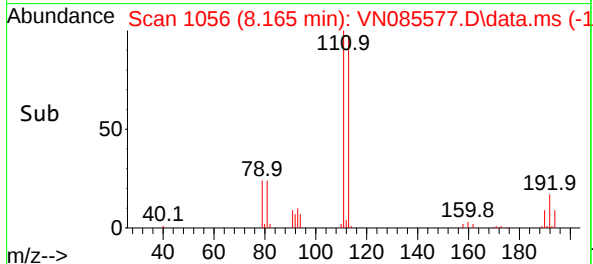
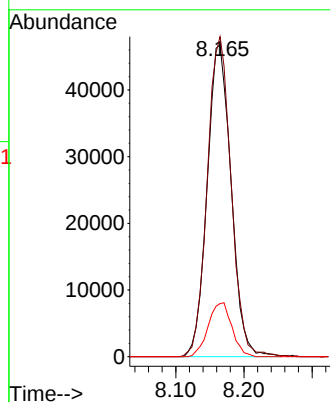
Tgt Ion:113 Resp: 114547

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

192 17.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.228 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

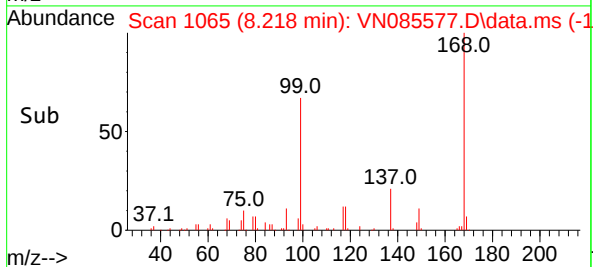
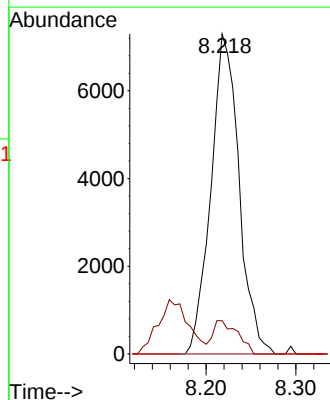
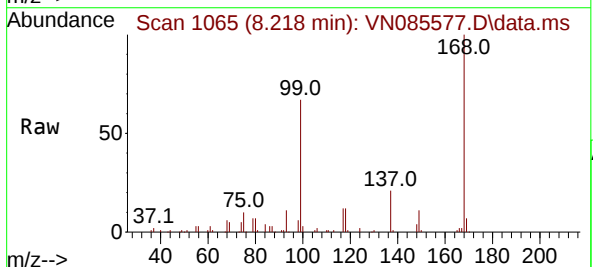
Tgt Ion: 75 Resp: 15869

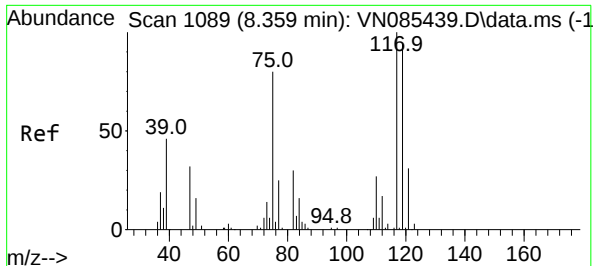
Ion Ratio Lower Upper

75 100

110 9.0 16.5 49.5#

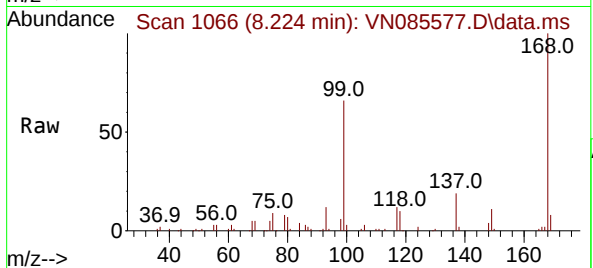
77 0.0 24.4 36.6#



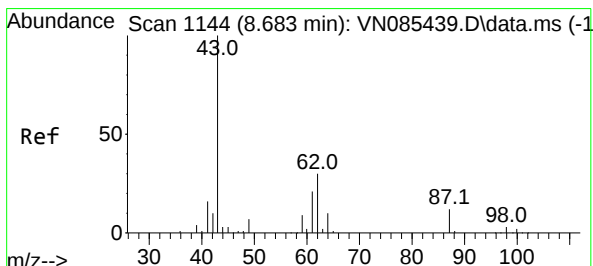
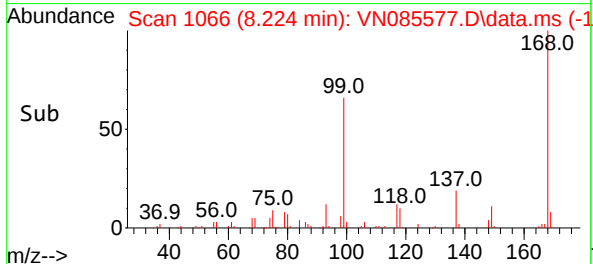
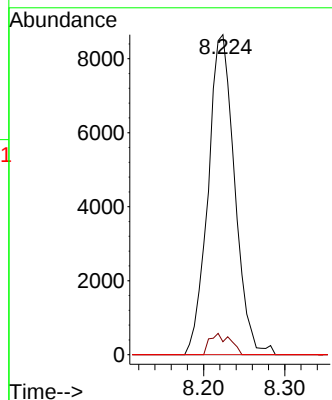


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Instrument :
MSVOA_N
ClientSampleId :

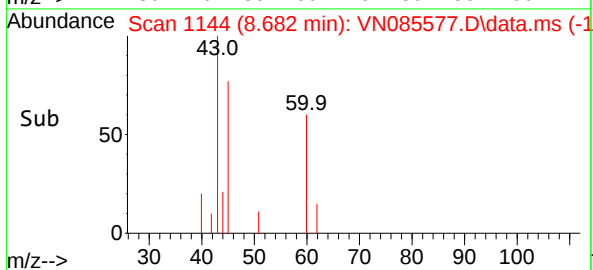
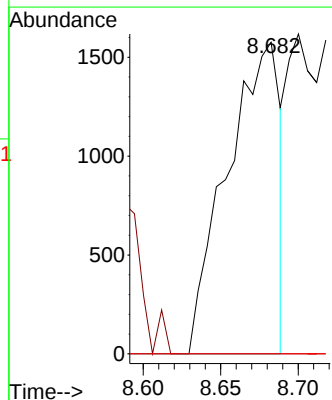
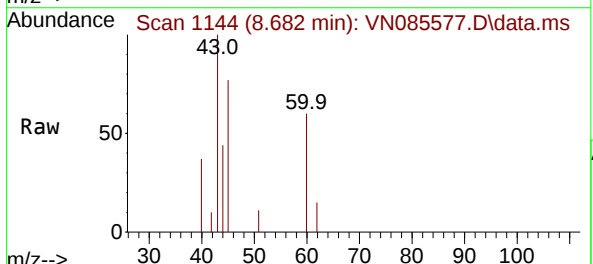


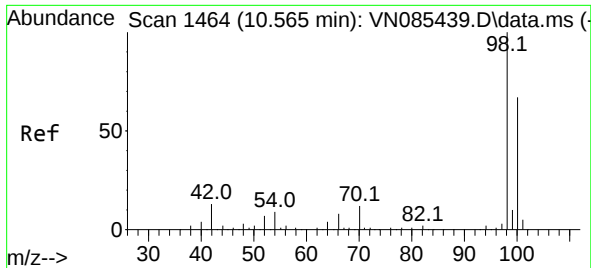
Tgt Ion:117 Resp: 19693
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.761 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Tgt Ion: 43 Resp: 3735
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

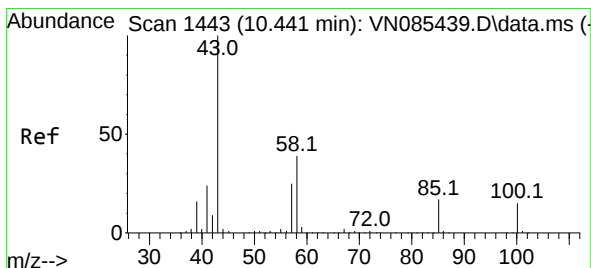
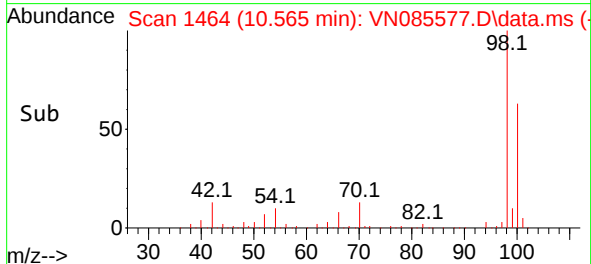
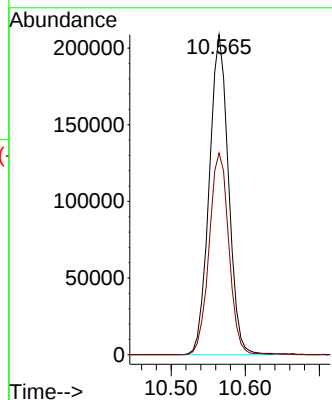
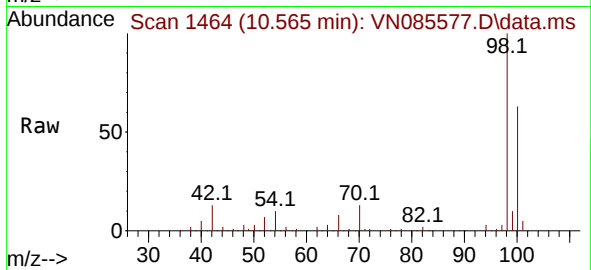




#50
Toluene-d8
Concen: 49.115 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

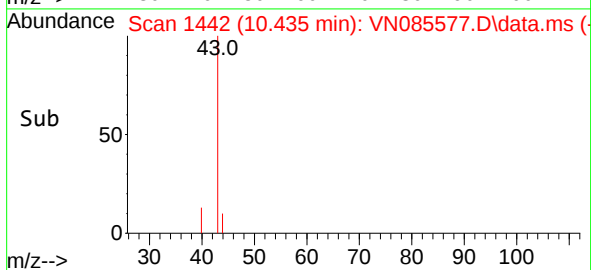
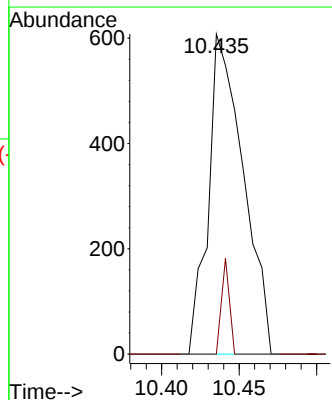
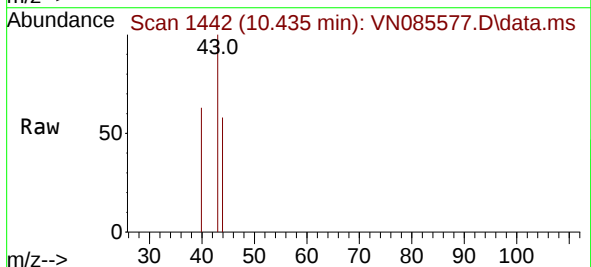
Instrument :
MSVOA_N
ClientSampleId :

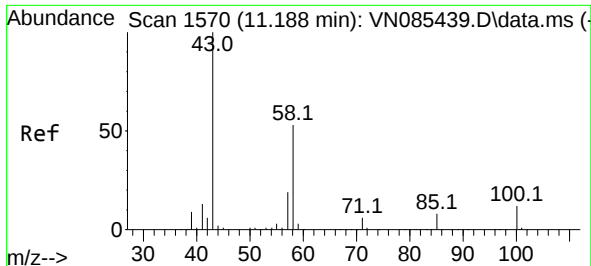
Tgt Ion: 98 Resp: 377400
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.335 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#

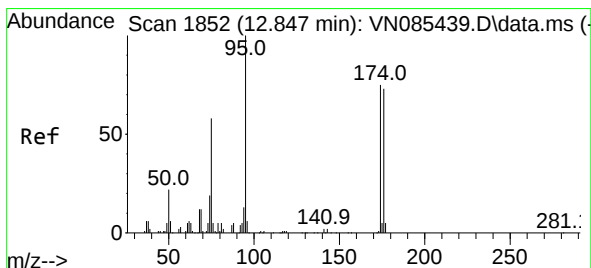
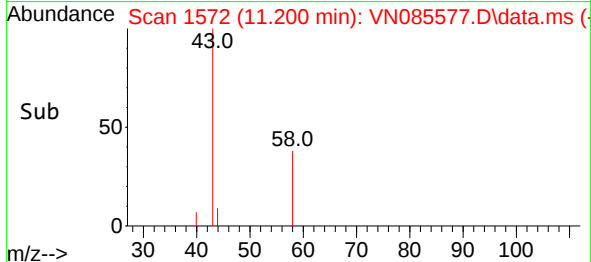
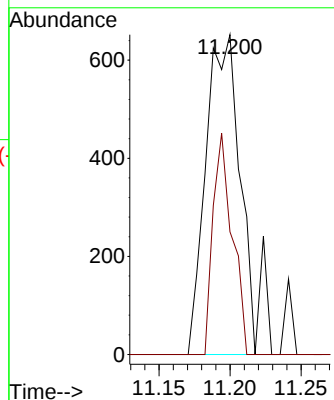
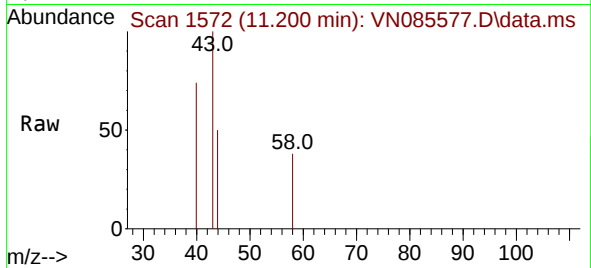




#59
2-Hexanone
Concen: 0.579 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

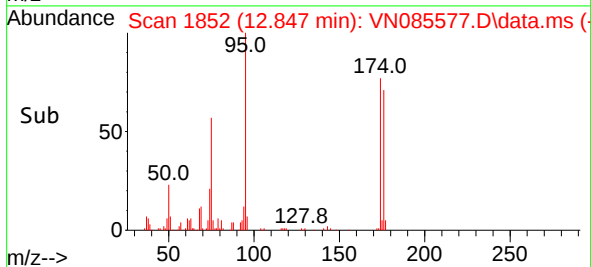
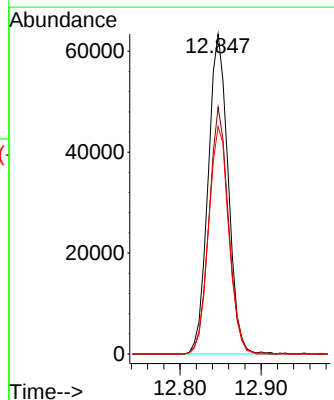
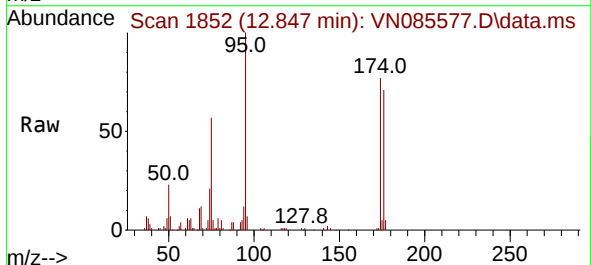
Instrument :
MSVOA_N
ClientSampleId :

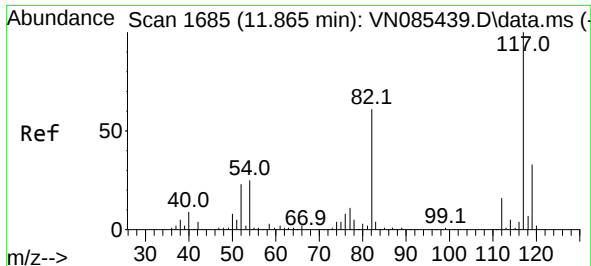
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
58 36.7 26.2 78.6



#62
4-Bromofluorobenzene
Concen: 41.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Tgt Ion: 95 Resp: 108250
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.0
176 72.1 0.0 142.4

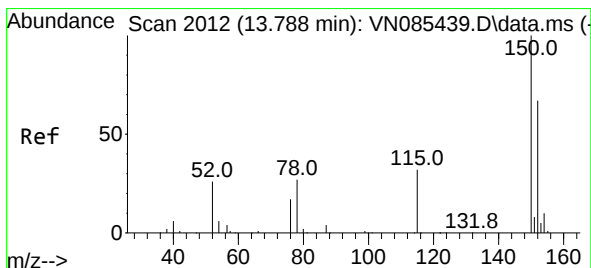
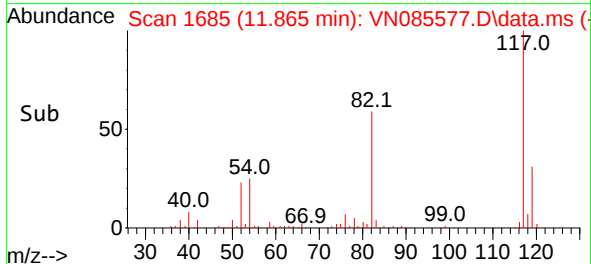
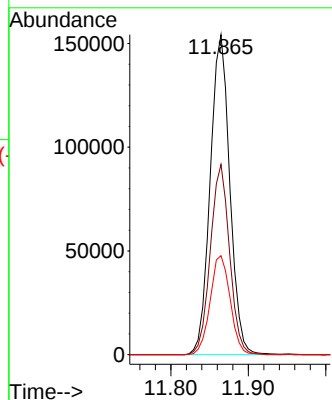
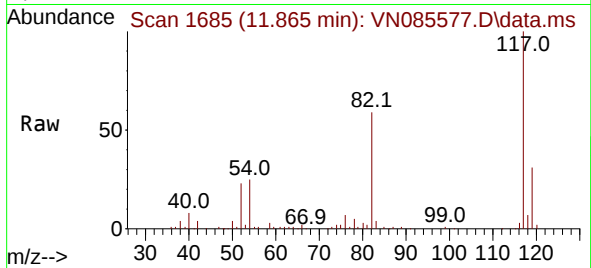




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

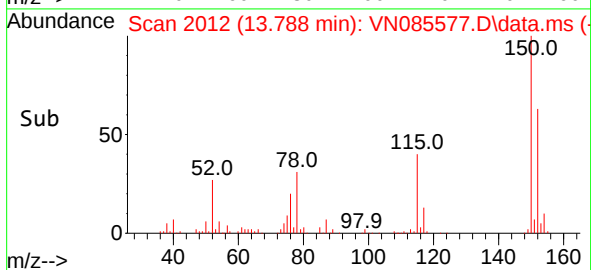
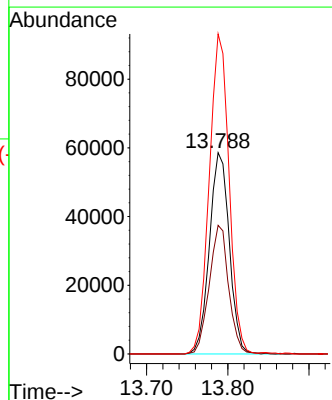
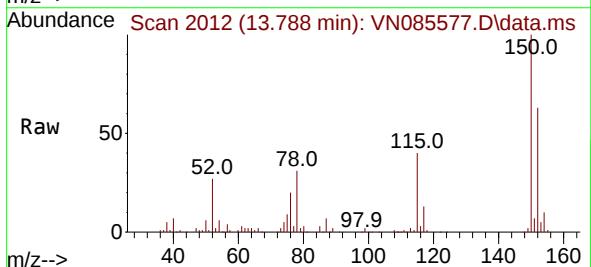
Instrument :
MSVOA_N
ClientSampleId :

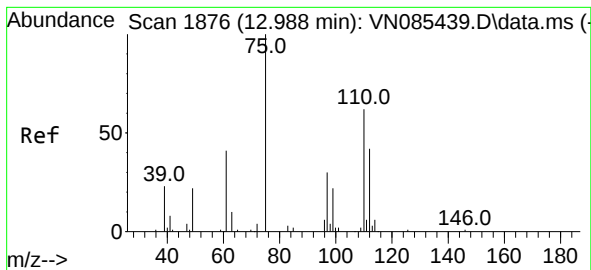
Tgt Ion:117 Resp: 270376
Ion Ratio Lower Upper
117 100
82 59.5 48.6 72.8
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Tgt Ion:152 Resp: 99634
Ion Ratio Lower Upper
152 100
115 62.5 31.1 93.3
150 157.6 0.0 343.6





#76

1,2,3-Trichloropropane

Concen: 30.416 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

Instrument :

MSVOA_N

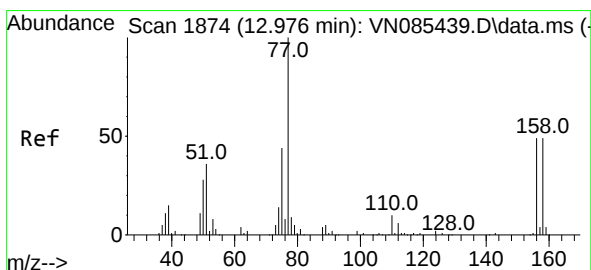
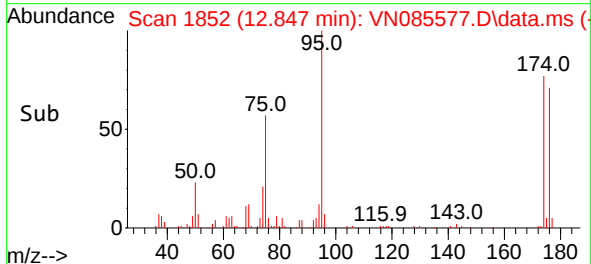
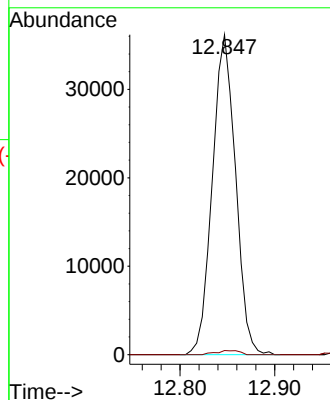
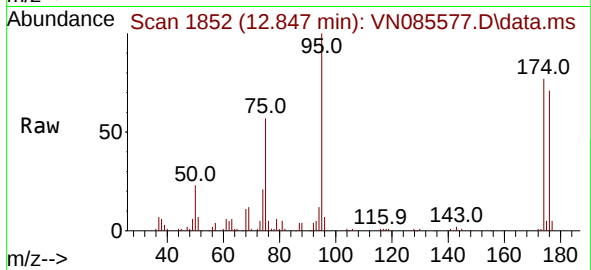
ClientSampleId :

Tgt Ion: 75 Resp: 61596

Ion Ratio Lower Upper

75 100

77 1.3 109.7 329.2#



#77

Bromobenzene

Concen: 0.319 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

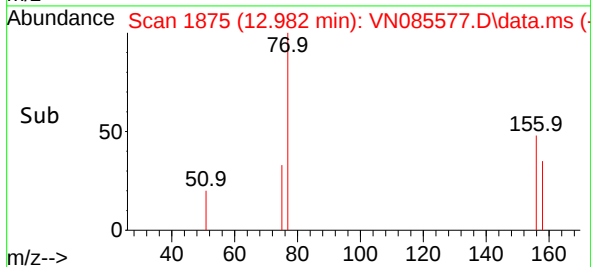
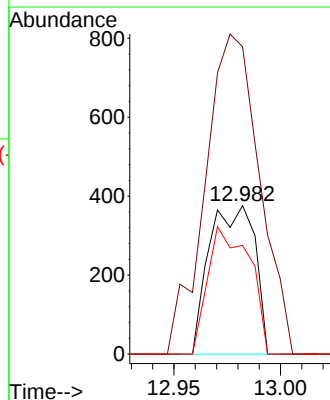
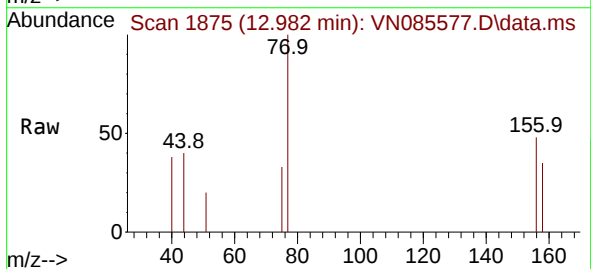
Tgt Ion:156 Resp: 560

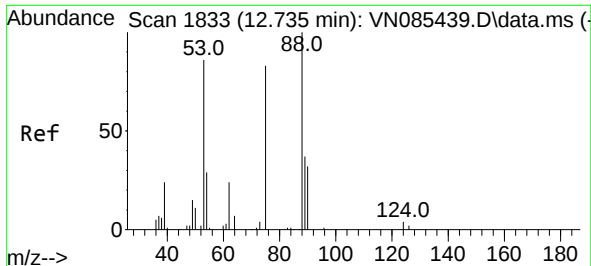
Ion Ratio Lower Upper

156 100

77 257.5 114.1 342.4

158 78.6 48.9 146.8

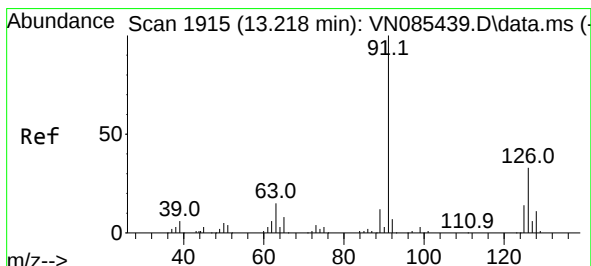
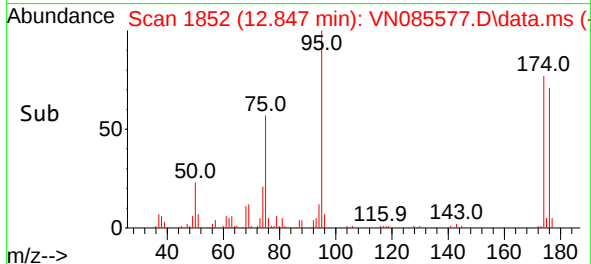
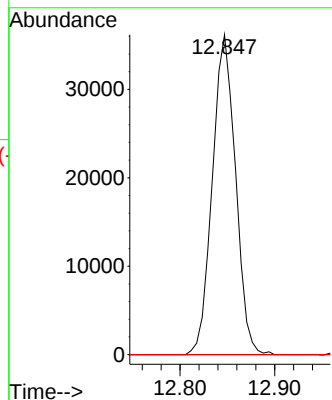
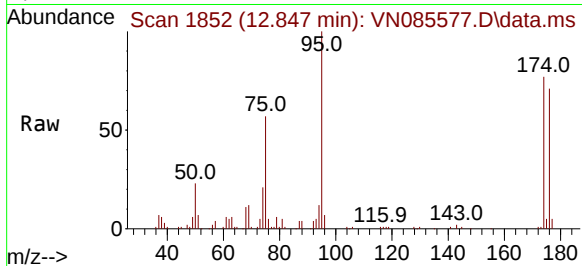




#81
trans-1,4-Dichloro-2-butene
Concen: 82.294 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

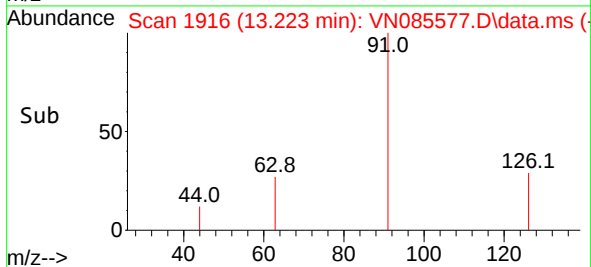
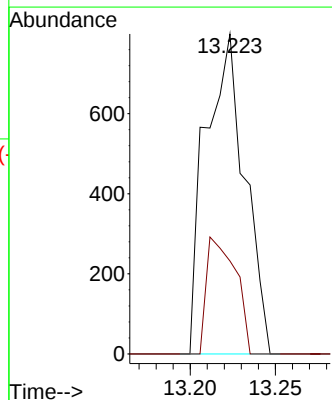
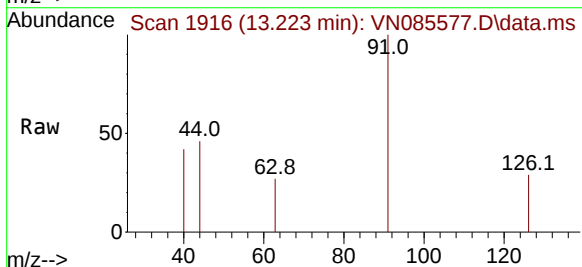
Instrument :
MSVOA_N
ClientSampleId :

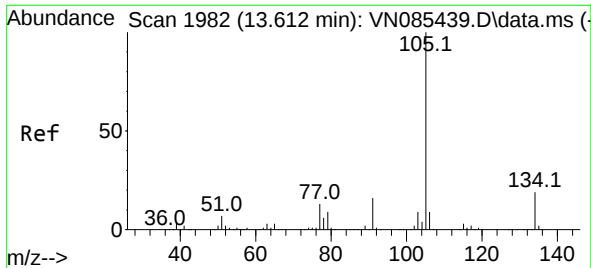
Tgt Ion: 75 Resp: 61596
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 0.250 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

Tgt Ion: 91 Resp: 1281
Ion Ratio Lower Upper
91 100
126 27.0 15.9 47.7

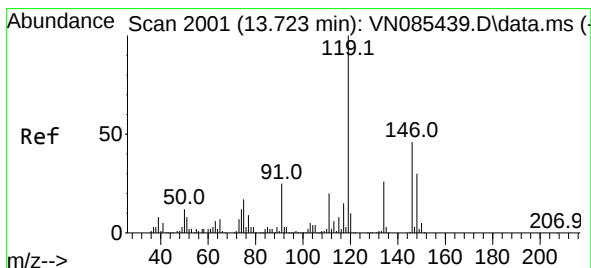
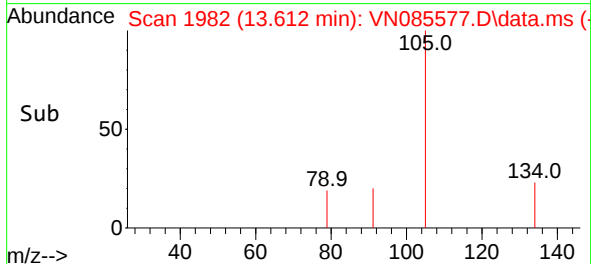
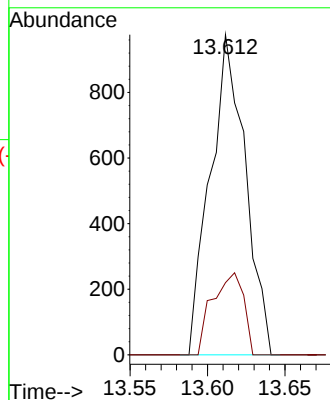
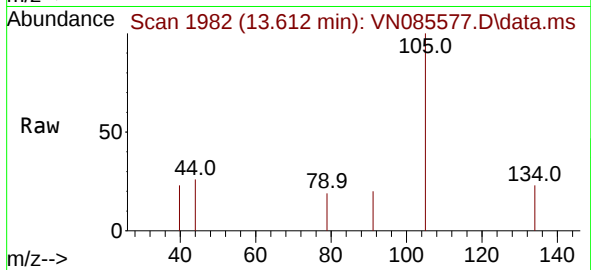




#85
 sec-Butylbenzene
 Concen: 0.238 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085577.D
 Acq: 30 Jan 2025 14:08

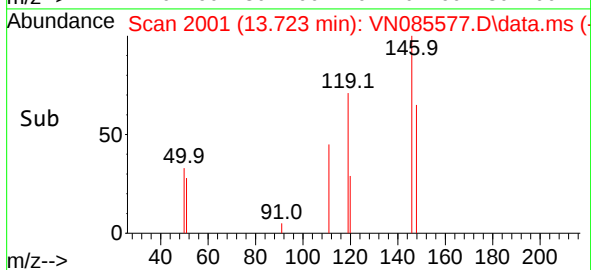
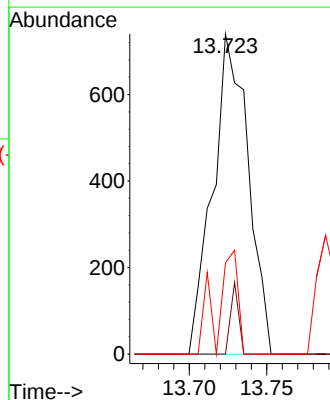
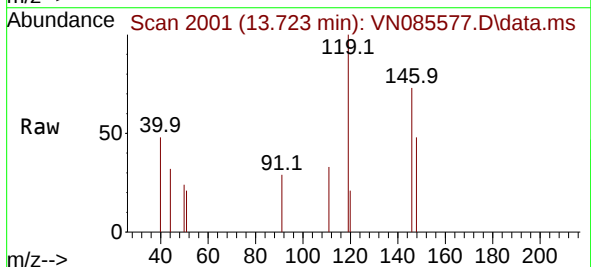
Instrument :
 MSVOA_N
 ClientSampleId :

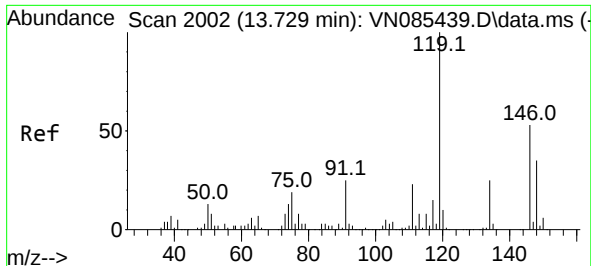
Tgt Ion:105 Resp: 1537
 Ion Ratio Lower Upper
 105 100
 134 22.7 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 0.253 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085577.D
 Acq: 30 Jan 2025 14:08

Tgt Ion:119 Resp: 1175
 Ion Ratio Lower Upper
 119 100
 134 5.0 12.7 38.0#
 91 19.2 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 0.402 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

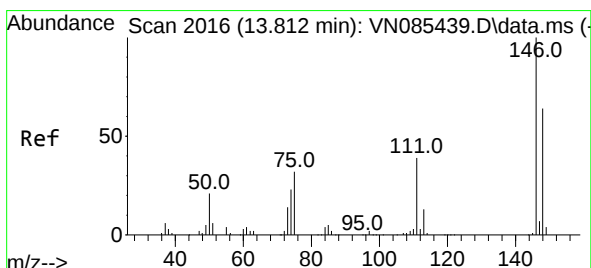
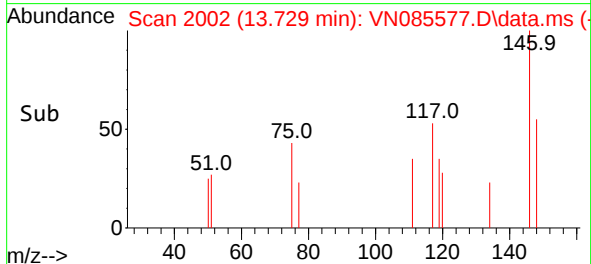
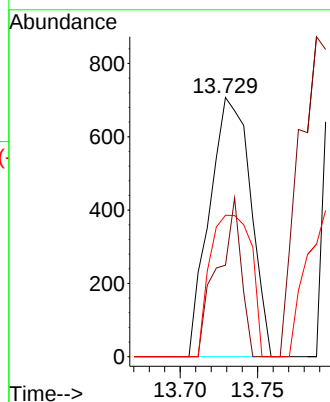
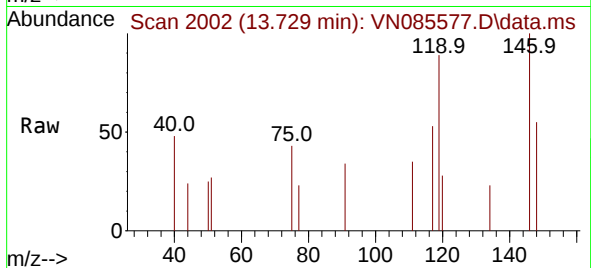
Tgt Ion:146 Resp: 1300

Ion Ratio Lower Upper

146 100

111 35.2 21.4 64.3

148 54.8 32.3 96.9



#88

1,4-Dichlorobenzene

Concen: 0.388 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

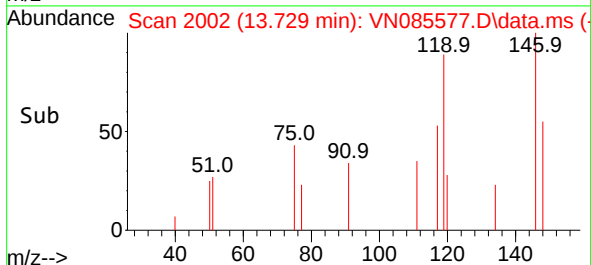
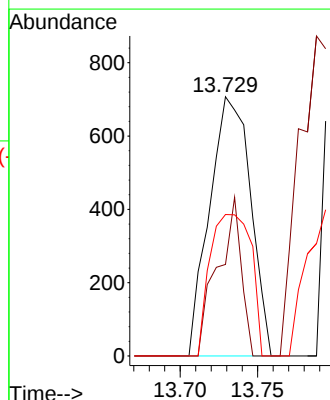
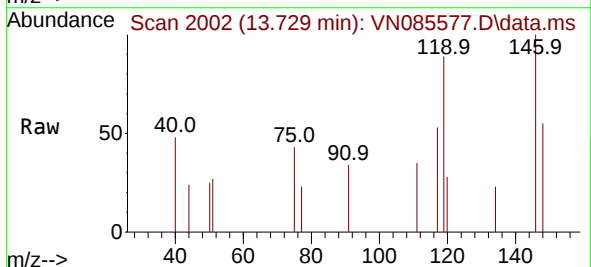
Tgt Ion:146 Resp: 1300

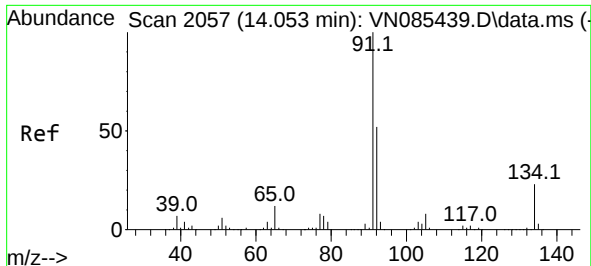
Ion Ratio Lower Upper

146 100

111 35.2 21.3 63.7

148 54.8 32.4 97.0





#89

n-Butylbenzene

Concen: 0.550 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN085577.D

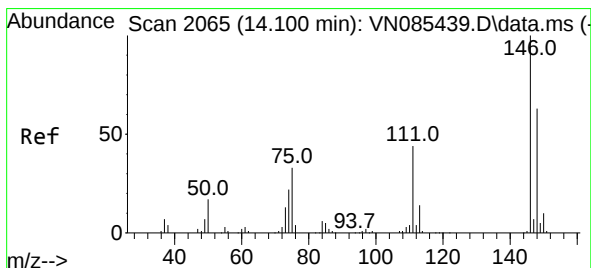
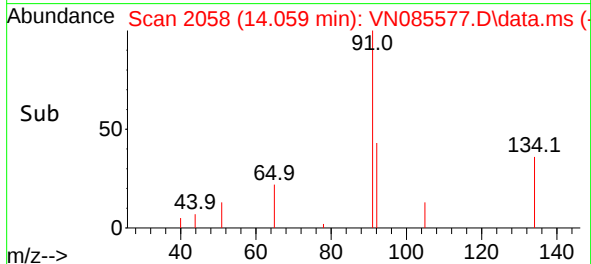
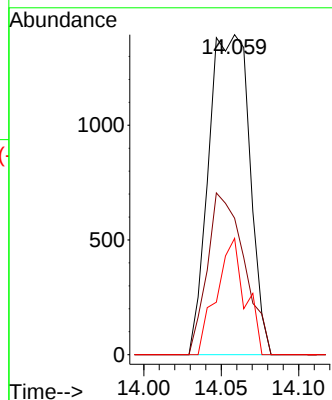
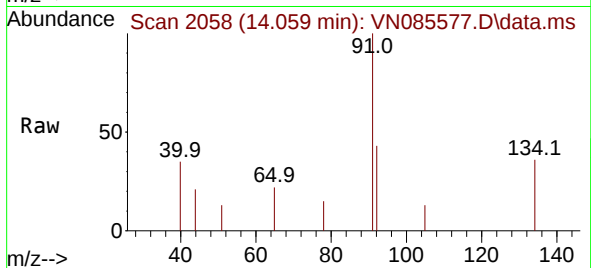
Acq: 30 Jan 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 2553
Ion Ratio	Lower Upper
91 100	
92 45.9	25.8 77.3
134 25.4	11.7 35.1



#91

1,2-Dichlorobenzene

Concen: 0.375 ug/l

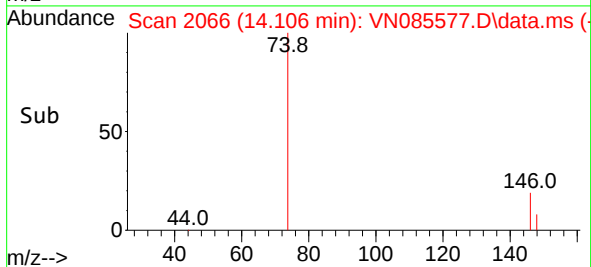
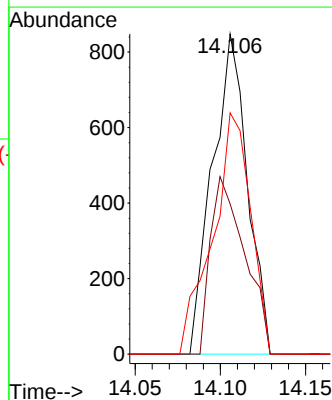
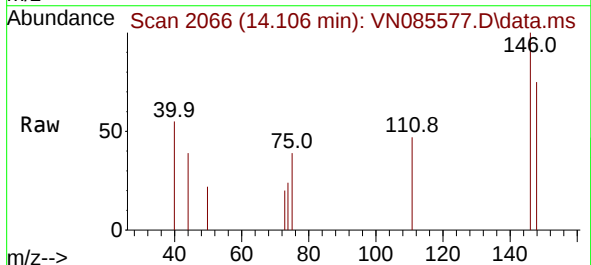
RT: 14.106 min Scan# 2066

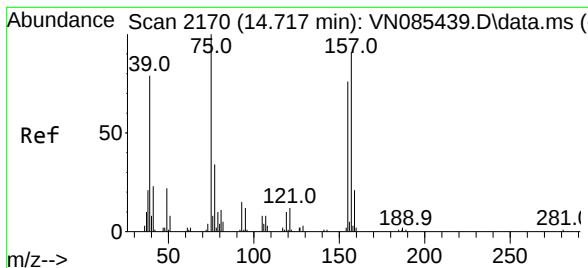
Delta R.T. 0.006 min

Lab File: VN085577.D

Acq: 30 Jan 2025 14:08

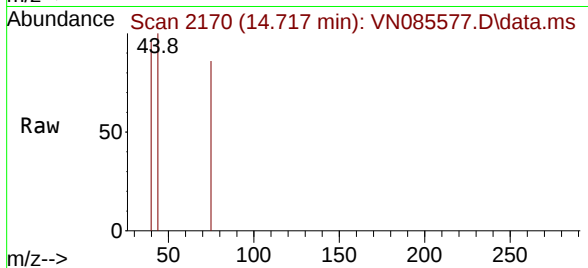
Tgt	Ion:146	Resp:	1211
Ion	Ratio	Lower	Upper
146	100		
111	54.5	21.7	65.1
148	81.9	31.4	94.2



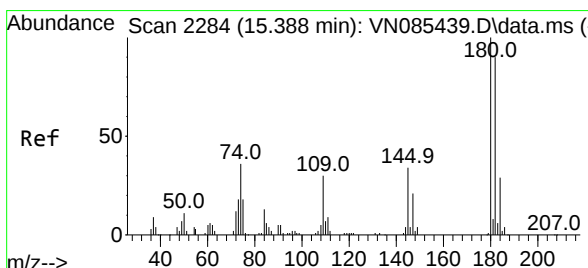
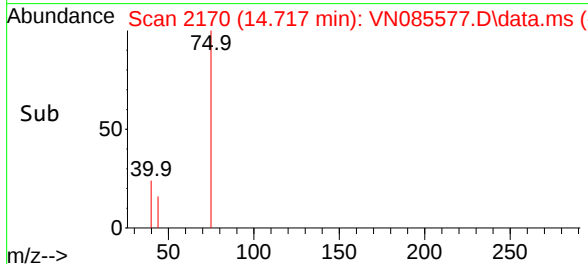
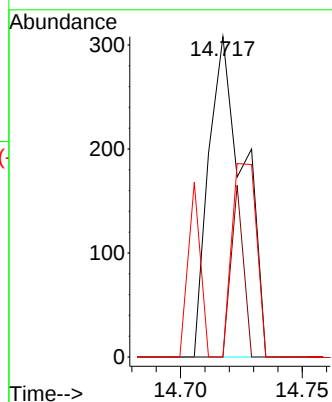


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.712 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VN085577.D
 Acq: 30 Jan 2025 14:08

Instrument :
 MSVOA_N
 ClientSampleId :

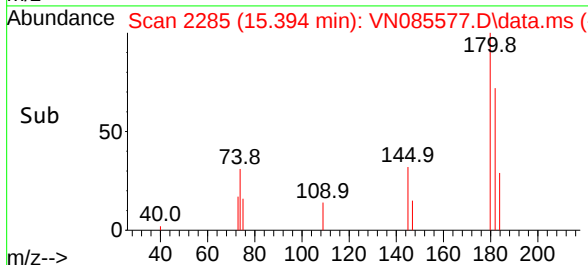
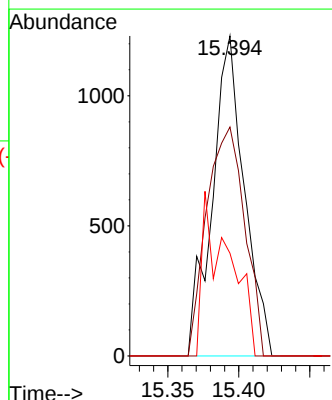
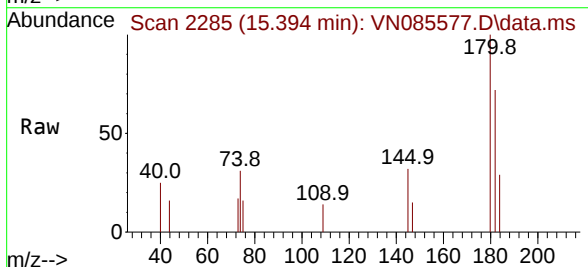


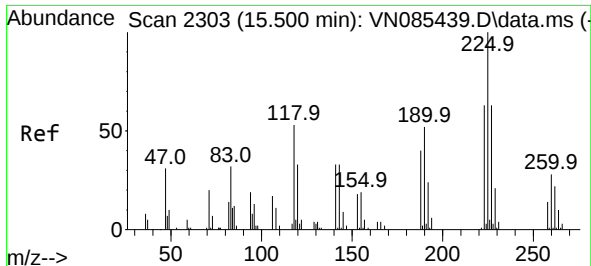
Tgt Ion: 75 Resp: 309
 Ion Ratio Lower Upper
 75 100
 155 18.8 36.4 109.2#
 157 42.4 45.4 136.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.290 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: VN085577.D
 Acq: 30 Jan 2025 14:08

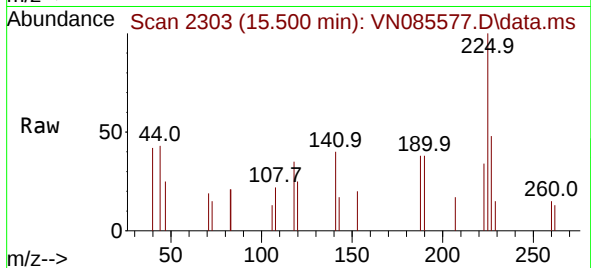
Tgt Ion: 180 Resp: 1935
 Ion Ratio Lower Upper
 180 100
 182 84.7 46.8 140.3
 145 43.3 16.0 48.0



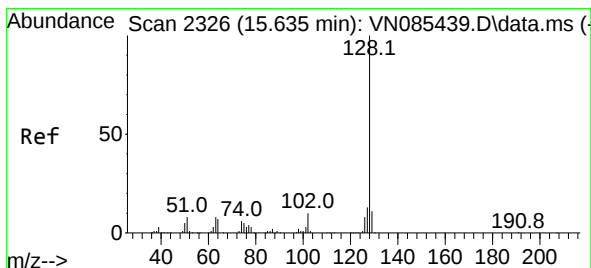
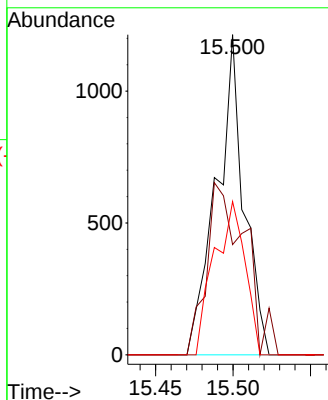
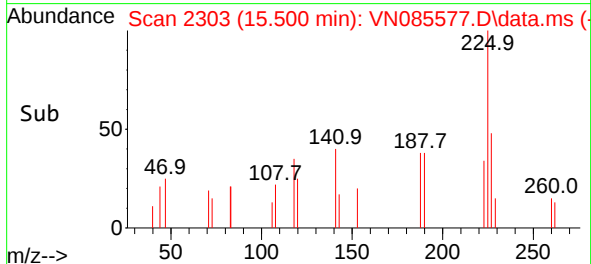


#94
Hexachlorobutadiene
Concen: 1.884 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08

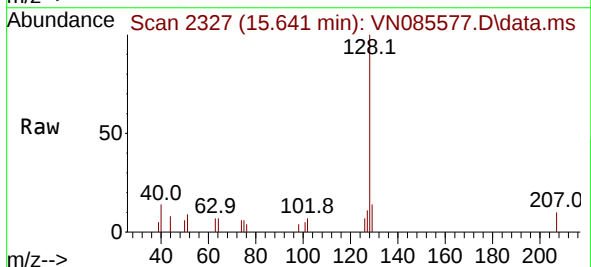
Instrument :
MSVOA_N
ClientSampleId :



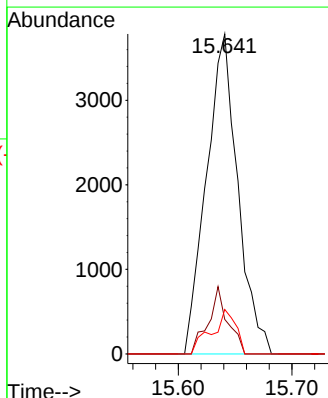
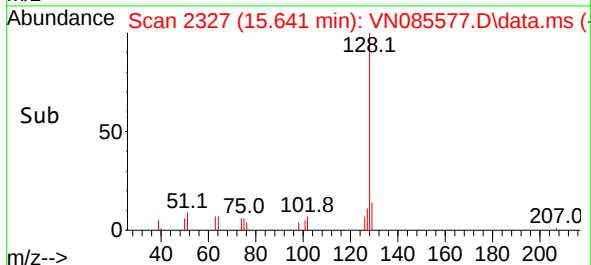
Tgt Ion:225 Resp: 1500
Ion Ratio Lower Upper
225 100
223 75.1 30.7 92.1
227 53.7 30.9 92.5

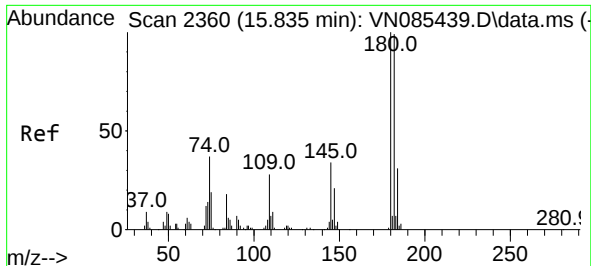


#95
Naphthalene
Concen: 1.622 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085577.D
Acq: 30 Jan 2025 14:08



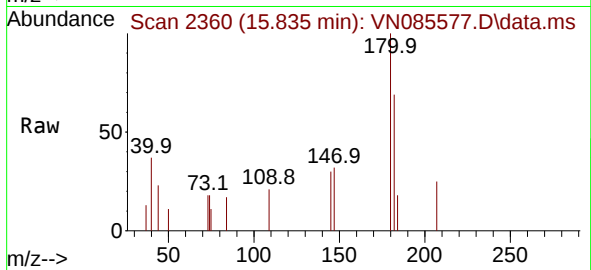
Tgt Ion:128 Resp: 7259
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.591 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN085577.D
 Acq: 30 Jan 2025 14:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2415
Ion	Ratio	Lower	Upper
180	100		
182	86.0	47.4	142.2
145	31.3	16.9	50.7

