

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085930.D
 Acq On : 11 Mar 2025 14:21
 Operator : JC\MD
 Sample : VN0311WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBL01

Quant Time: Mar 12 01:19:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

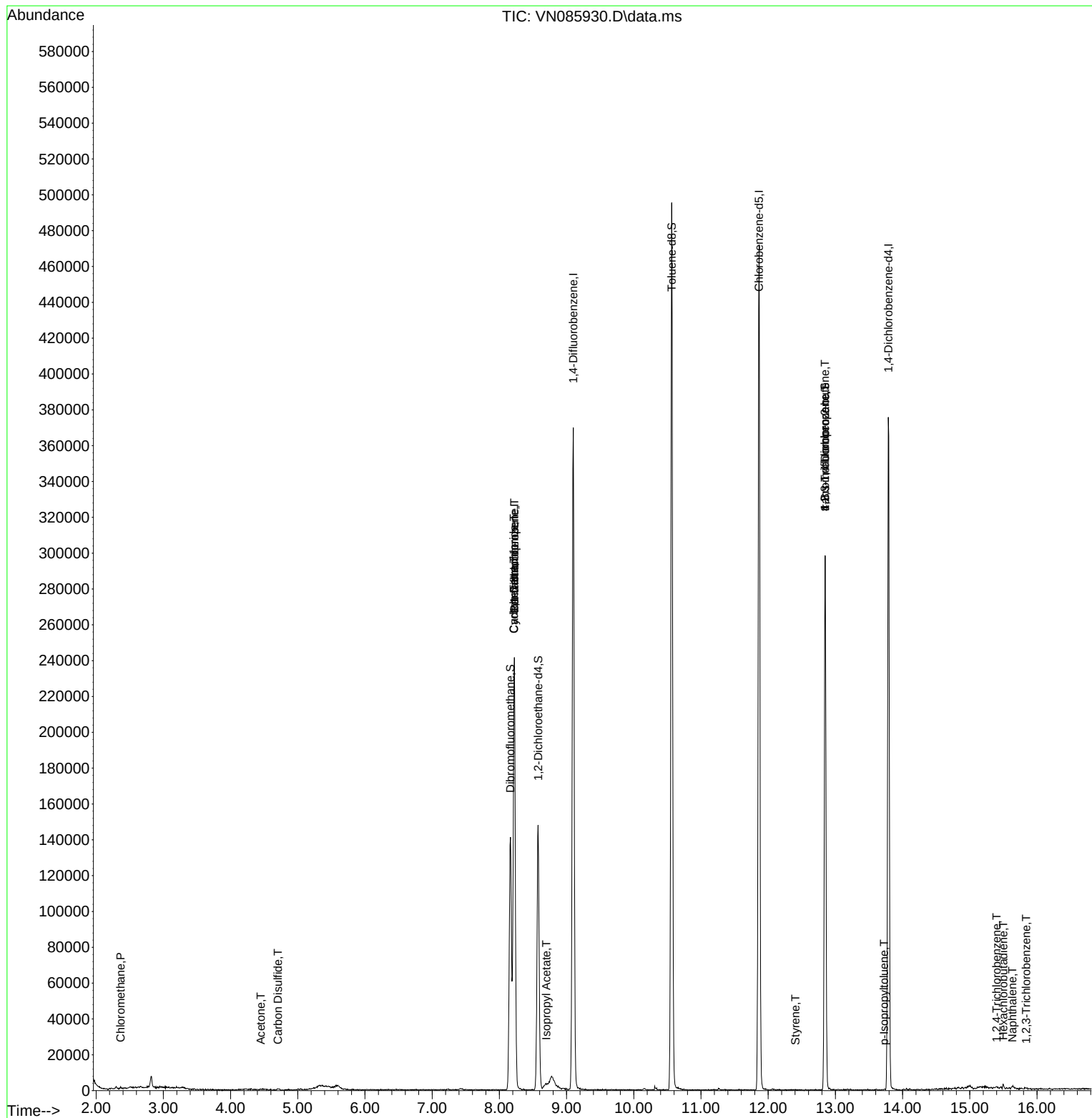
Internal Standards						
1) Pentafluorobenzene	8.224	168	166099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120828	56.110	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.220%			
35) Dibromofluoromethane	8.165	113	102406	49.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	10.565	98	338496	44.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.060%			
62) 4-Bromofluorobenzene	12.847	95	105788	42.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.480%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	523	0.231	ug/l #	86
16) Acetone	4.447	43	296	0.434	ug/l #	40
17) Carbon Disulfide	4.706	76	1573	0.291	ug/l #	75
31) Cyclohexane	8.218	56	3407	1.108	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14005	4.736	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18028	5.131	ug/l #	18
43) Isopropyl Acetate	8.700	43	3209	0.207	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.159	63	596	Below Cal	#	68
70) Styrene	12.406	104	53	0.593	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	52610	22.240	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52610	64.891	ug/l #	12
86) p-Isopropyltoluene	13.723	119	182	0.655	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.400	180	465	0.275	ug/l #	65
94) Hexachlorobutadiene	15.500	225	716	0.696	ug/l	82
95) Naphthalene	15.635	128	2131	0.459	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.841	180	512	0.301	ug/l #	51

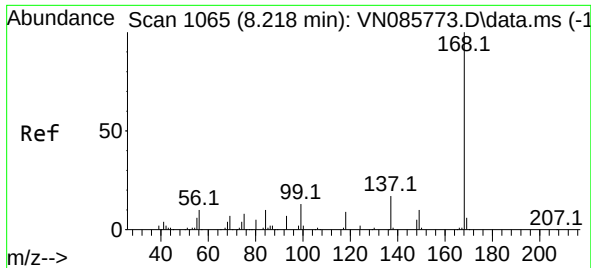
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
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Quant Time: Mar 12 01:19:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

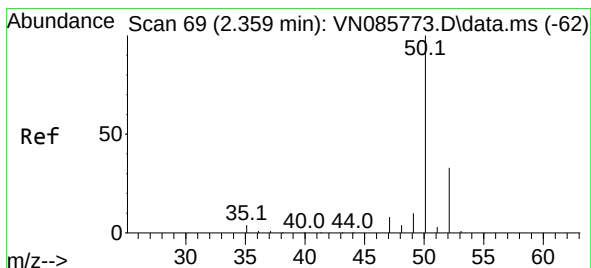
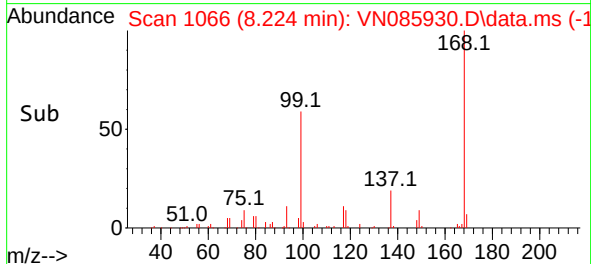
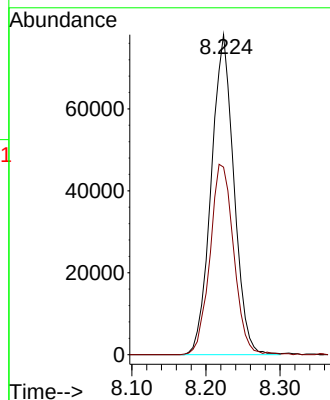
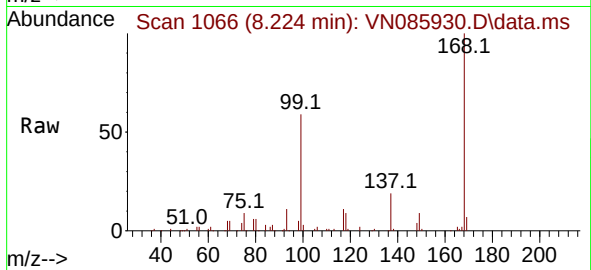




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

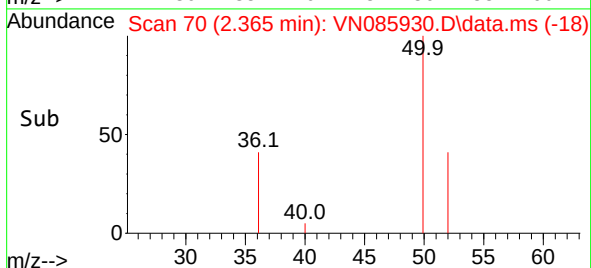
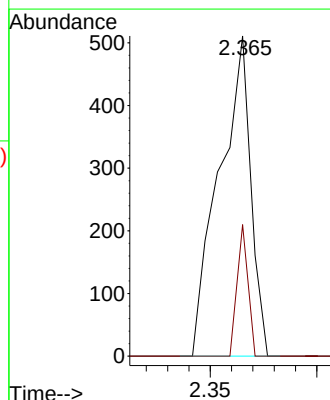
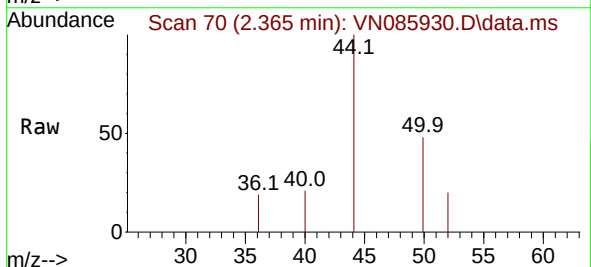
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

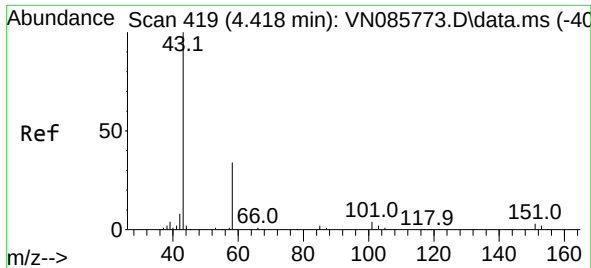
Tgt Ion:168 Resp: 166099
Ion Ratio Lower Upper
168 100
99 58.6 47.9 71.9



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 50 Resp: 523
Ion Ratio Lower Upper
50 100
52 41.1 26.7 40.1#

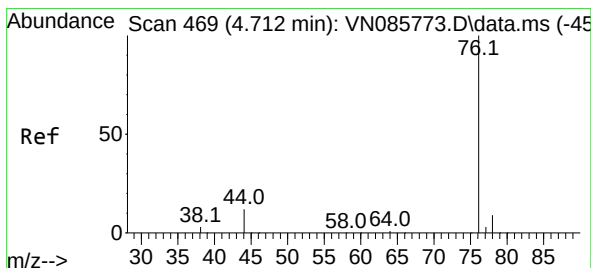
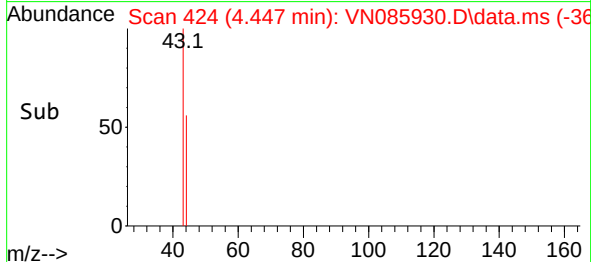
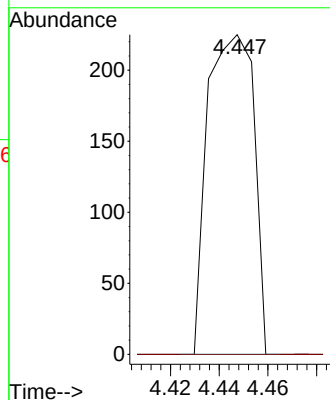
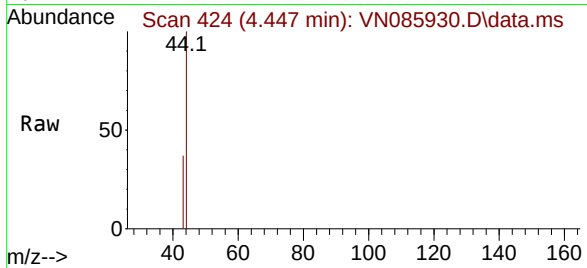




#16
Acetone
Concen: 0.434 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

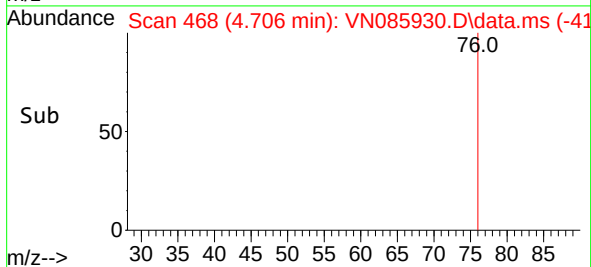
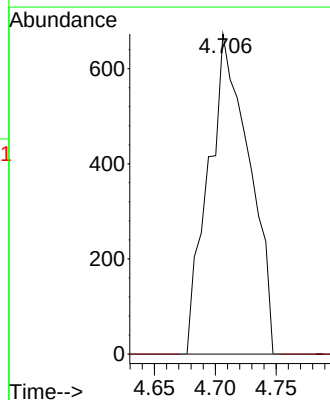
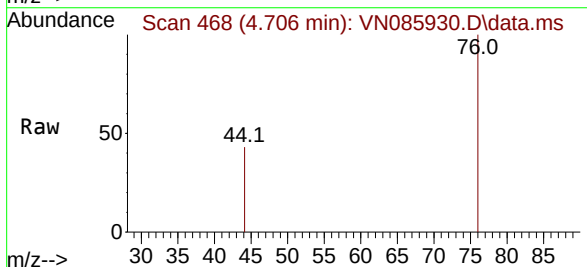
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

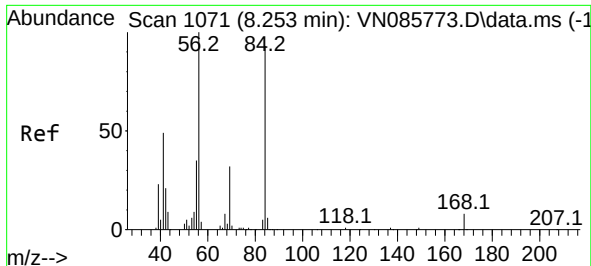
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 76 Resp: 1573
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

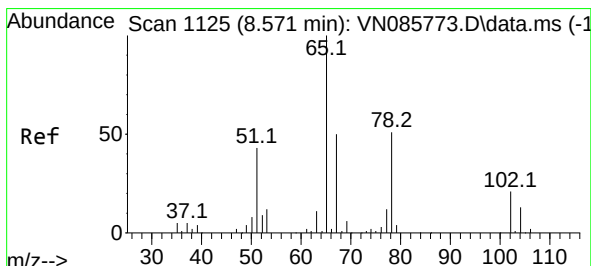
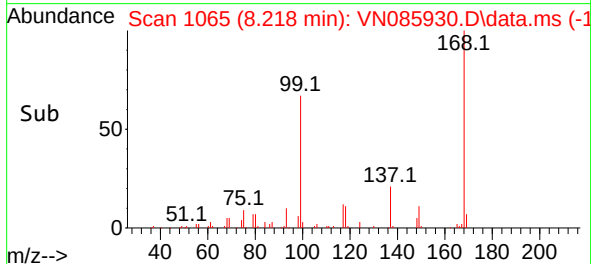
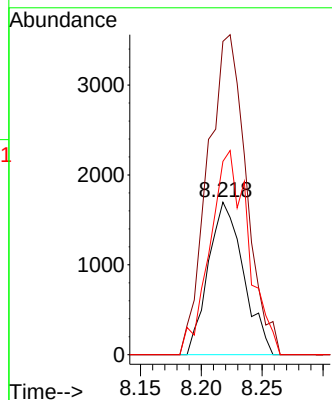
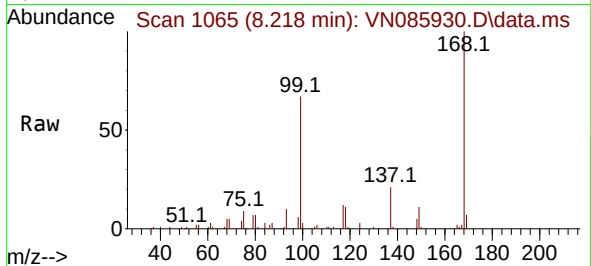




#31
Cyclohexane
Concen: 1.108 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

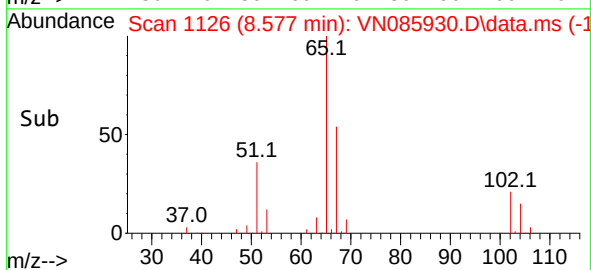
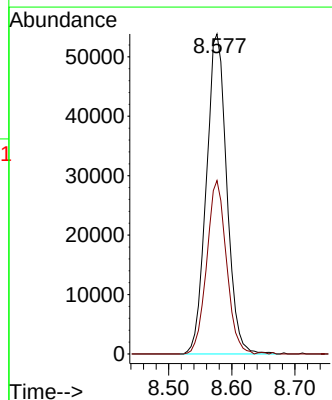
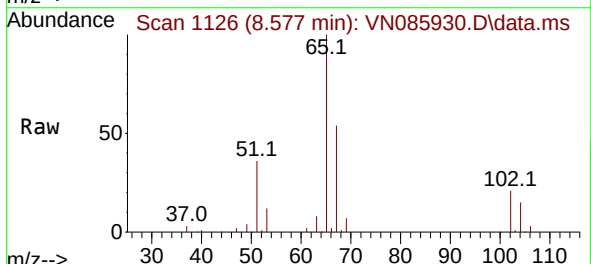
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

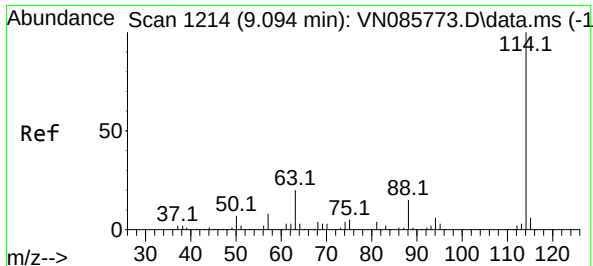
Tgt Ion: 56 Resp: 3407
Ion Ratio Lower Upper
56 100
69 205.5 25.8 38.6#
84 126.8 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 56.110 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 65 Resp: 120828
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBL01

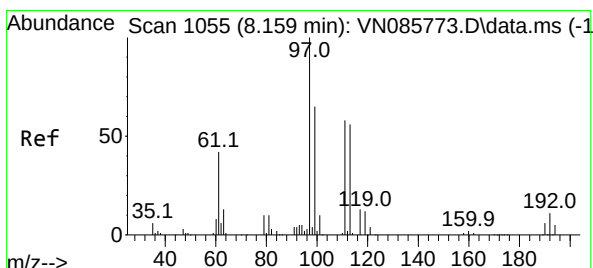
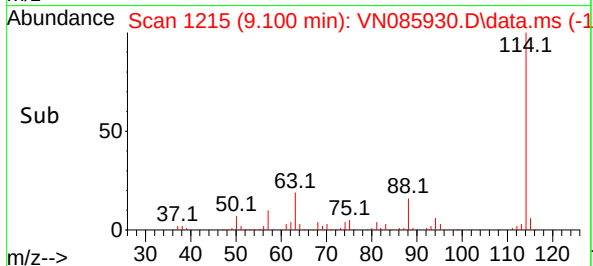
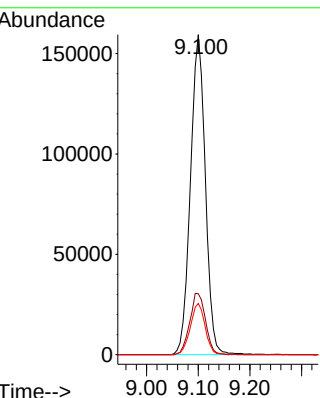
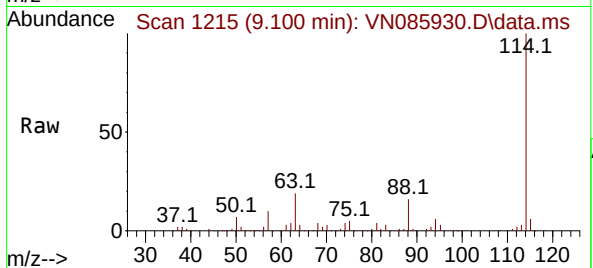
Tgt Ion:114 Resp: 319285

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

88 16.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.016 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

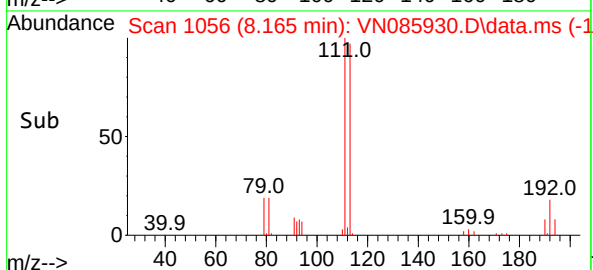
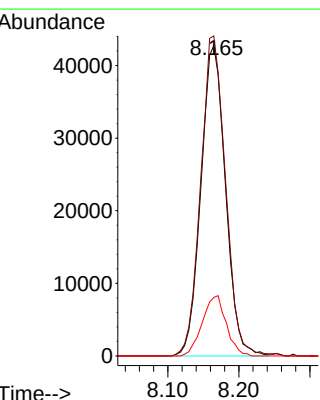
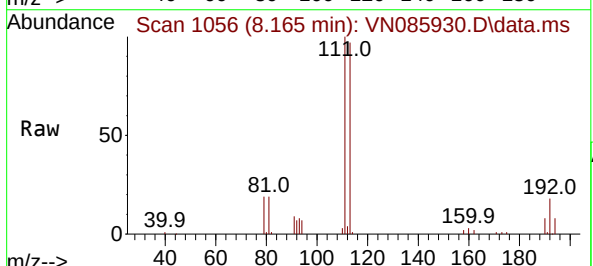
Tgt Ion:113 Resp: 102406

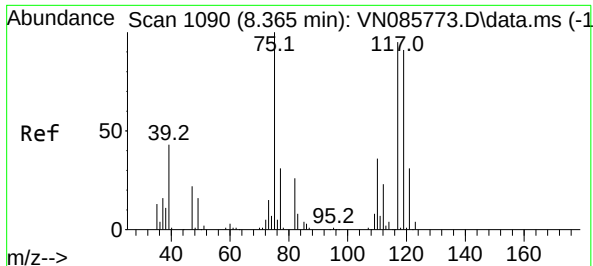
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 18.9 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBL01

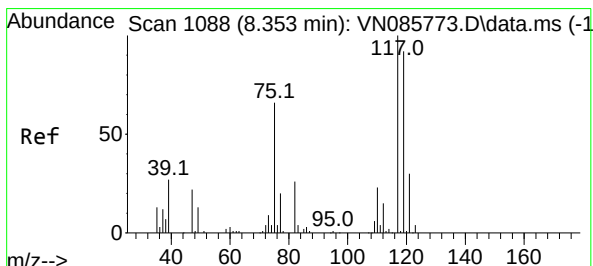
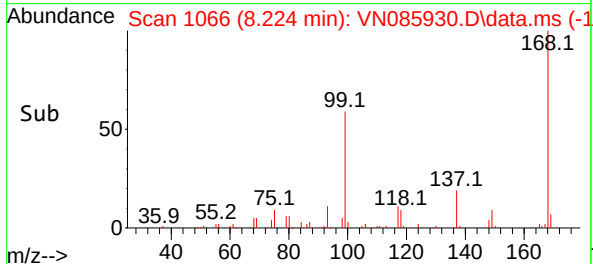
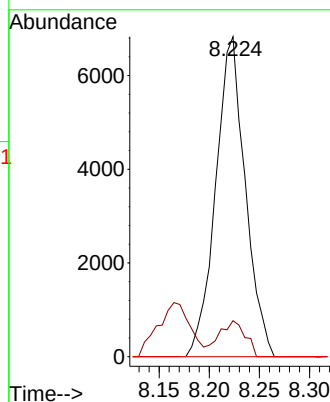
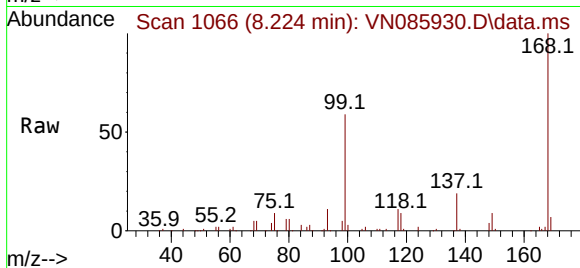
Tgt Ion: 75 Resp: 14005

Ion Ratio Lower Upper

75 100

110 10.0 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.131 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

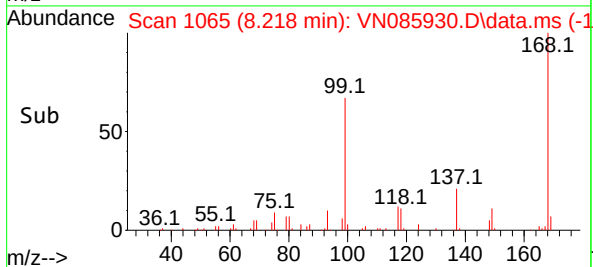
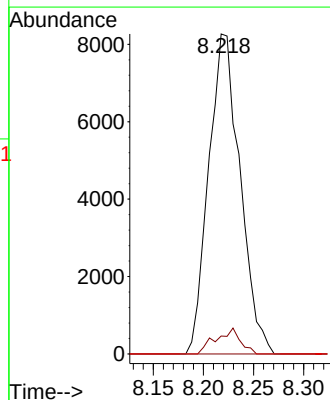
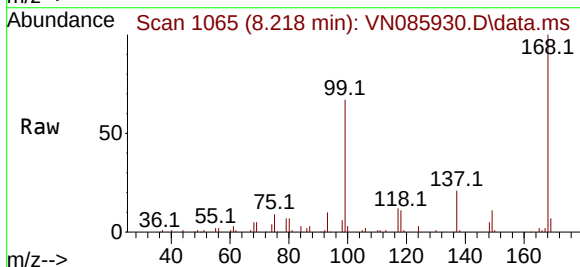
Tgt Ion: 117 Resp: 18028

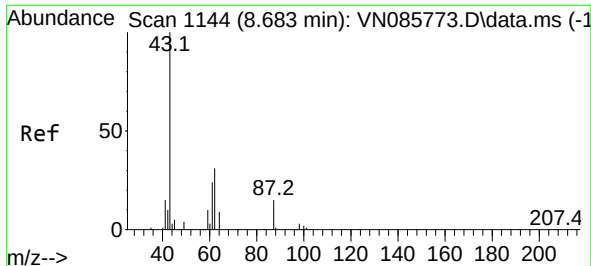
Ion Ratio Lower Upper

117 100

119 5.6 73.8 110.6#

121 0.0 24.3 36.5#

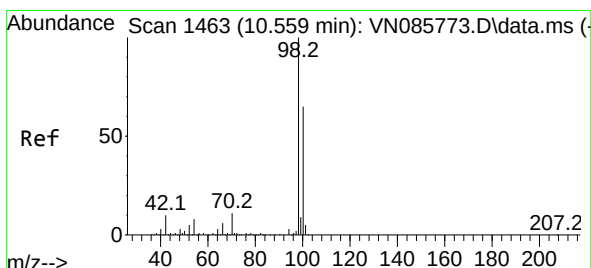
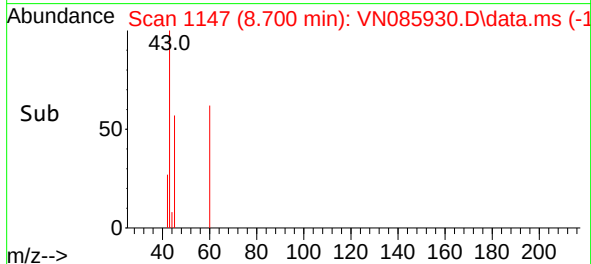
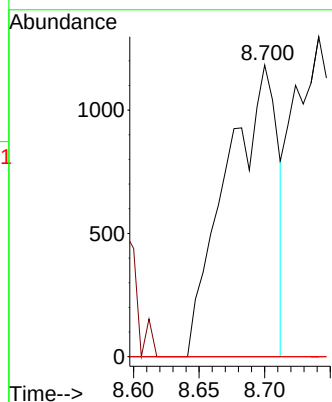
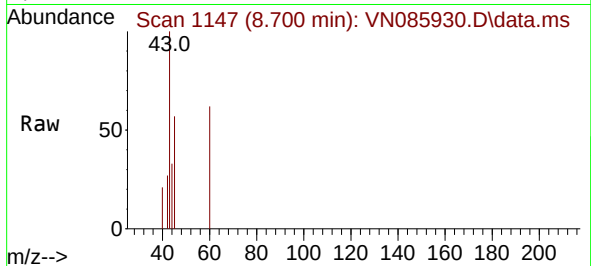




#43
Isopropyl Acetate
Concen: 0.207 ug/l
RT: 8.700 min Scan# 1144
Delta R.T. 0.017 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

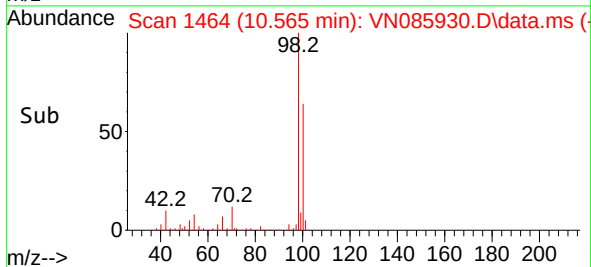
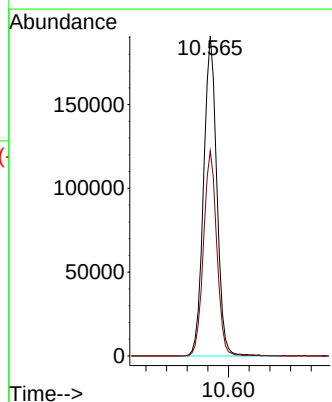
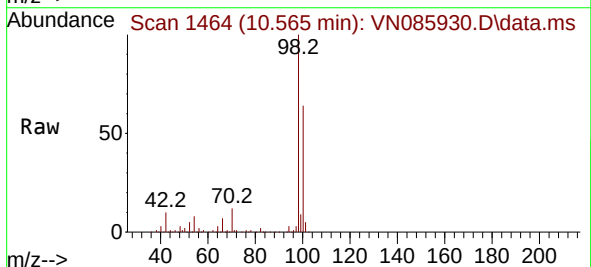
Instrument :
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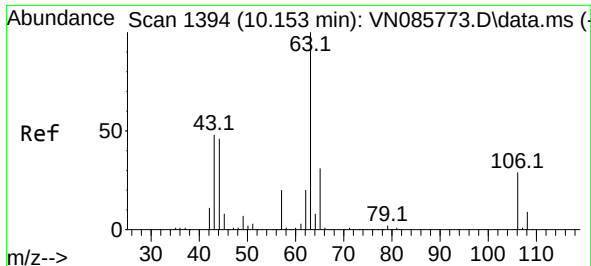
Tgt Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 44.531 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 98 Resp: 338496
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

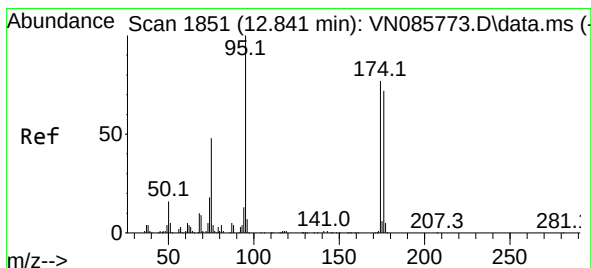
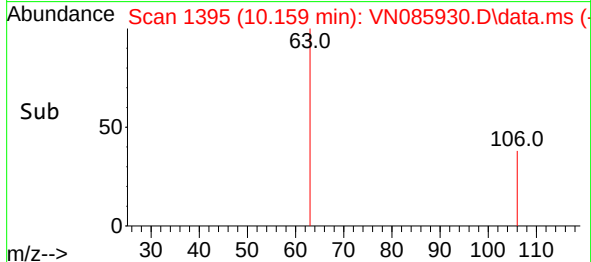
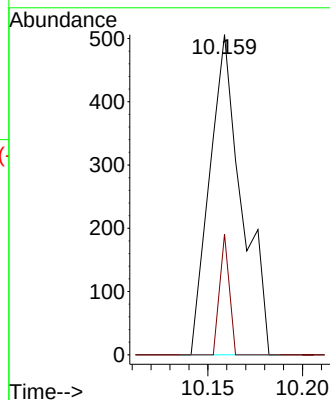
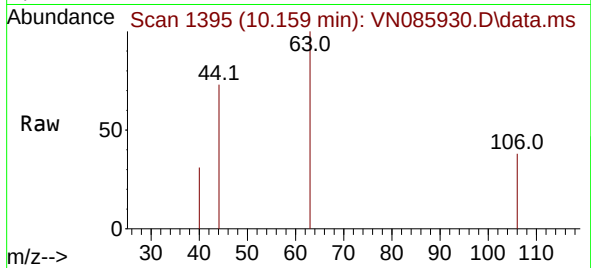




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

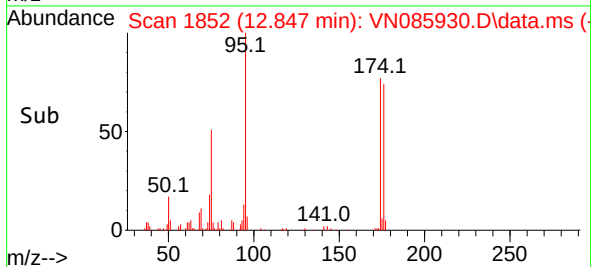
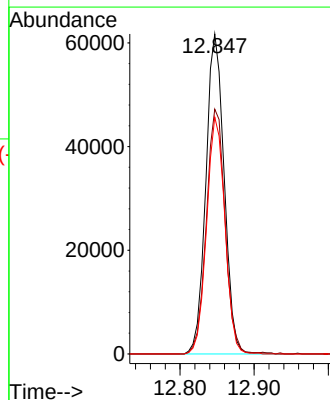
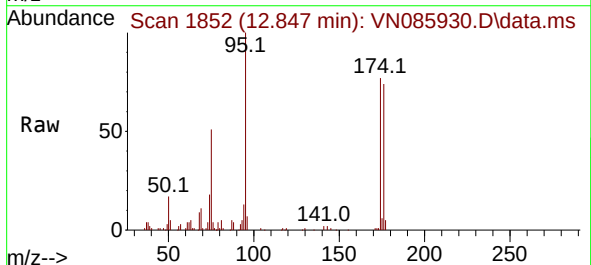
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

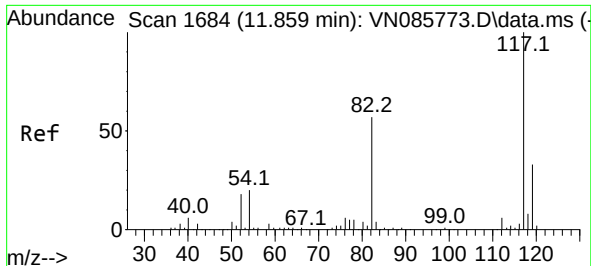
Tgt Ion: 63 Resp: 596
Ion Ratio Lower Upper
63 100
106 11.2 22.7 34.1#



#62
4-Bromofluorobenzene
Concen: 42.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 95 Resp: 105788
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.4
176 73.8 0.0 146.6

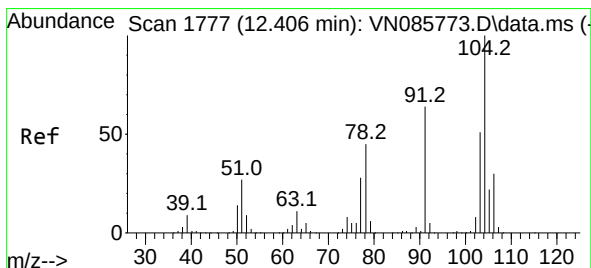
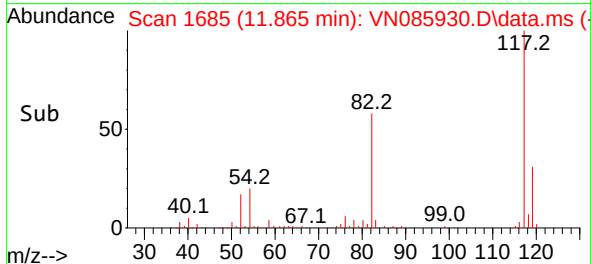
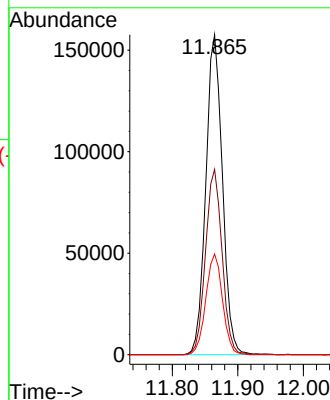
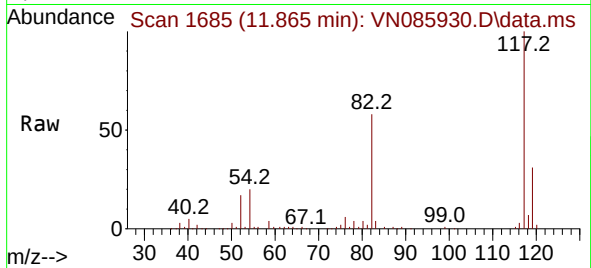




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

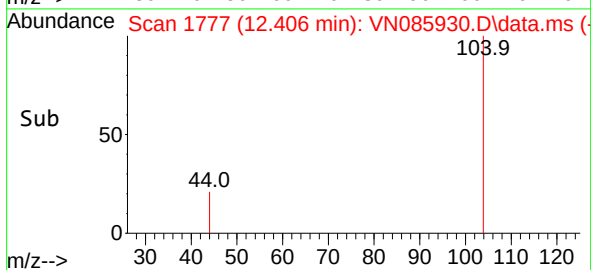
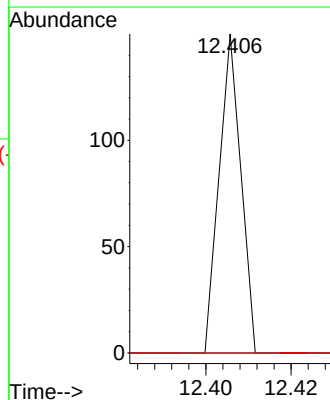
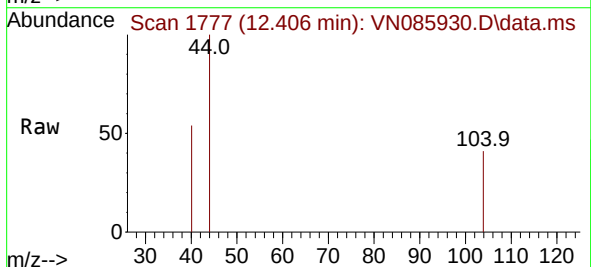
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

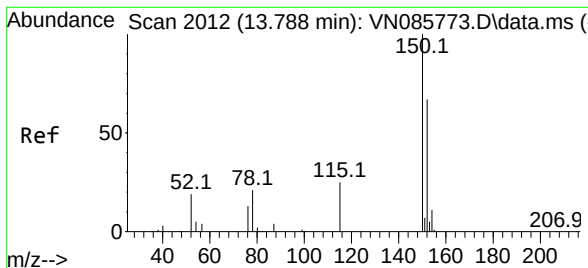
Tgt Ion:117 Resp: 277562
Ion Ratio Lower Upper
117 100
82 57.9 45.7 68.5
119 31.5 26.2 39.2



#70
Styrene
Concen: 0.593 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion:104 Resp: 53
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBL01

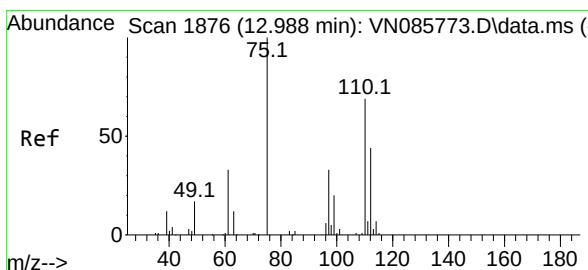
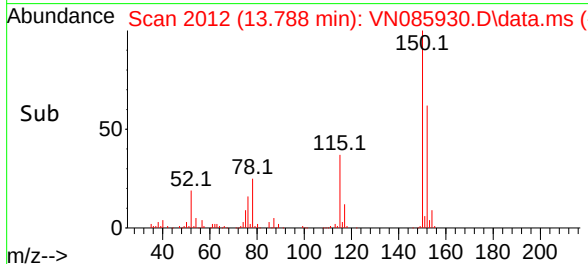
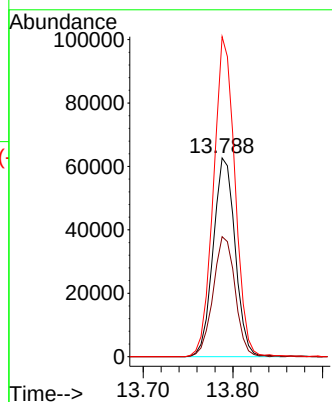
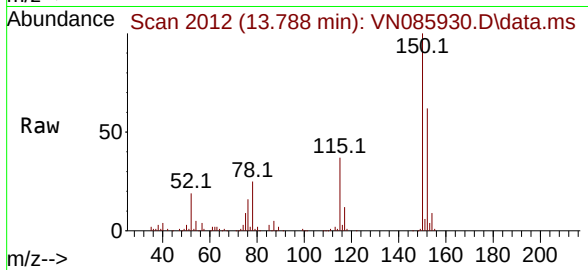
Tgt Ion:152 Resp: 106492

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.3

150 157.7 0.0 345.4



#76

1,2,3-Trichloropropane

Concen: 22.240 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085930.D

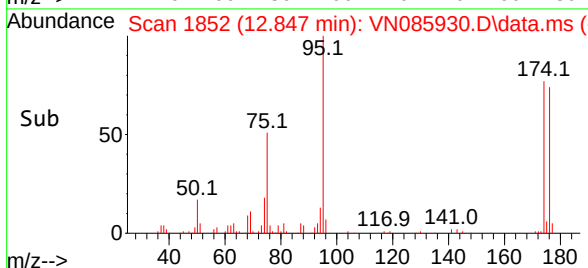
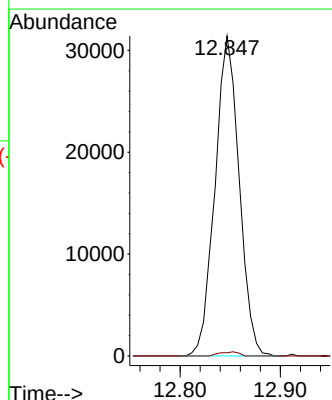
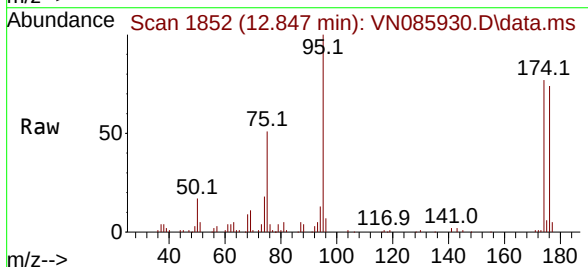
Acq: 11 Mar 2025 14:21

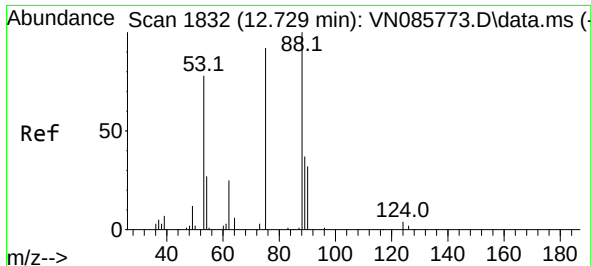
Tgt Ion: 75 Resp: 52610

Ion Ratio Lower Upper

75 100

77 1.0 100.0 300.0#

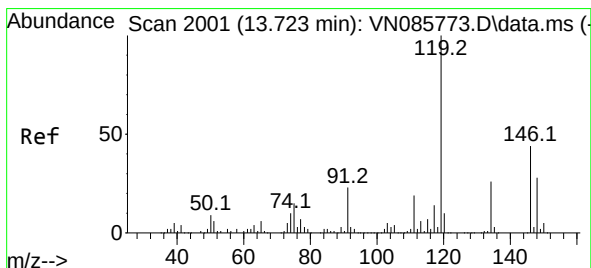
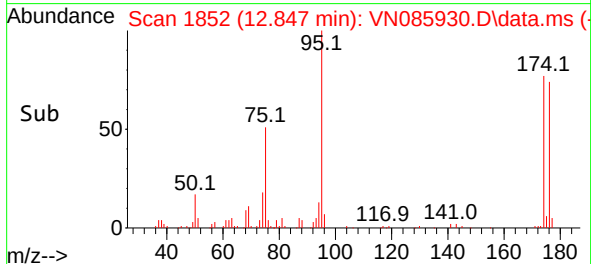
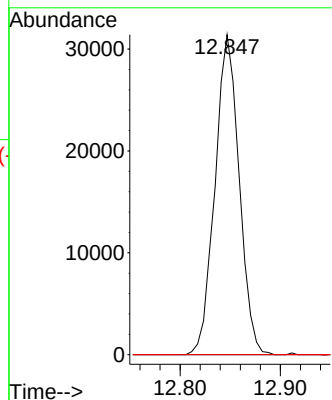
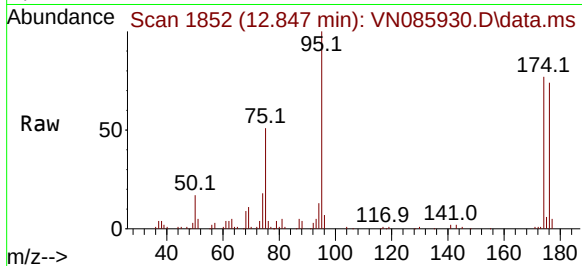




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.891 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.118 min
 Lab File: VN085930.D
 Acq: 11 Mar 2025 14:21

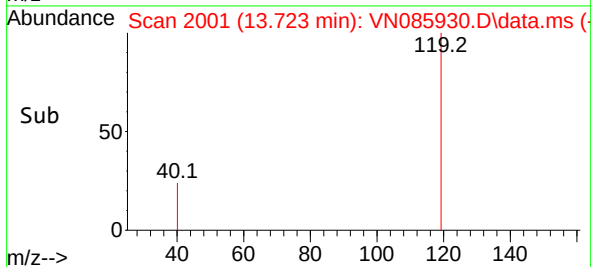
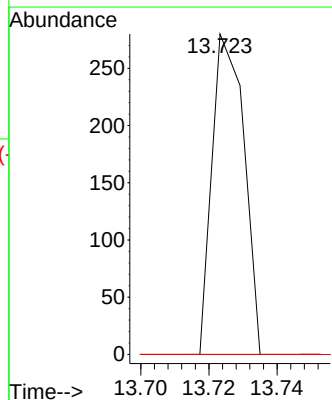
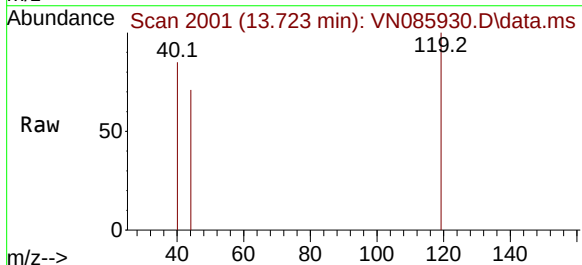
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBL01

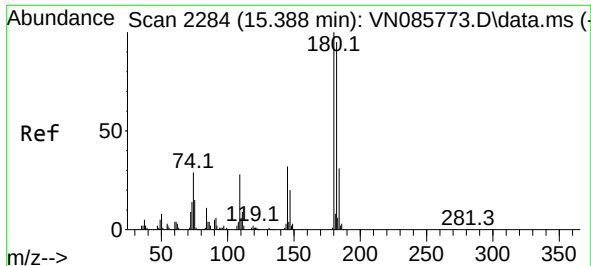
Tgt Ion: 75 Resp: 52610
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#



#86
 p-Isopropyltoluene
 Concen: 0.655 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085930.D
 Acq: 11 Mar 2025 14:21

Tgt Ion: 119 Resp: 182
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 11.7 35.1#

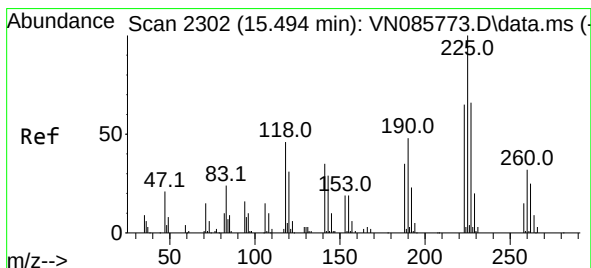
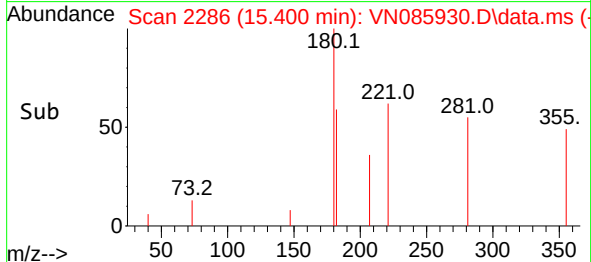
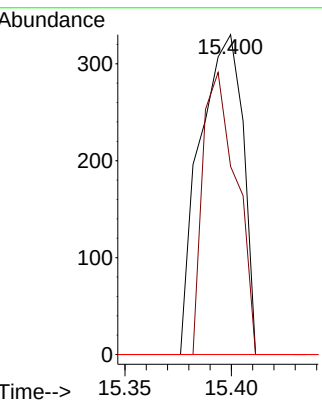
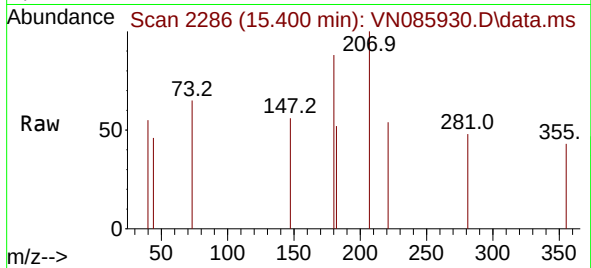




#93
1,2,4-Trichlorobenzene
Concen: 0.275 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

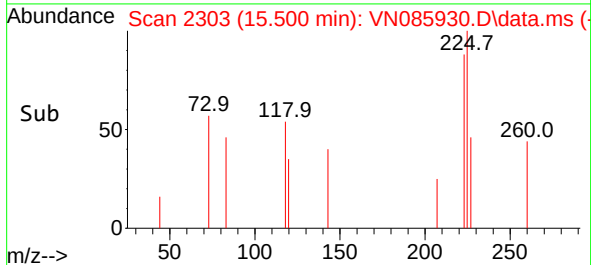
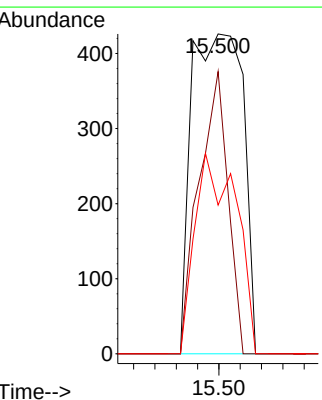
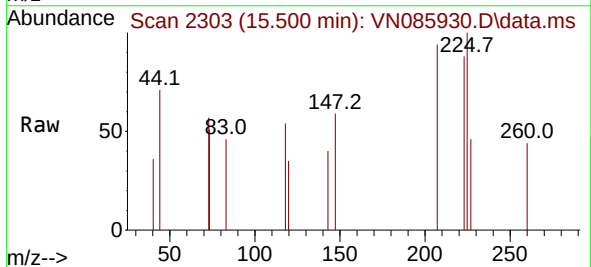
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

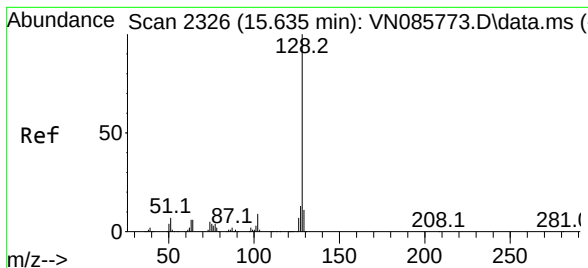
Tgt Ion:180 Resp: 465
Ion Ratio Lower Upper
180 100
182 68.4 47.3 141.9
145 0.0 16.2 48.5#



#94
Hexachlorobutadiene
Concen: 0.696 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion:225 Resp: 716
Ion Ratio Lower Upper
225 100
223 49.9 31.9 95.5
227 50.4 32.2 96.6





#95

Naphthalene

Concen: 0.459 ug/l

RT: 15.635 min Scan# 2131

Delta R.T. -0.000 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBL01

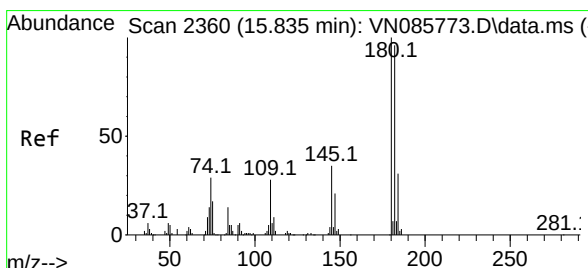
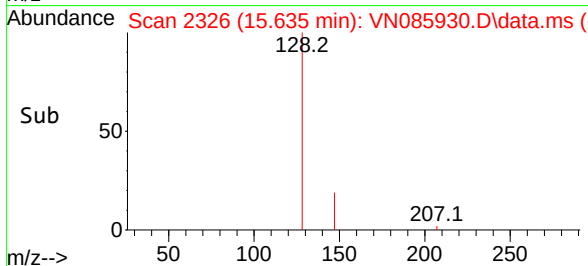
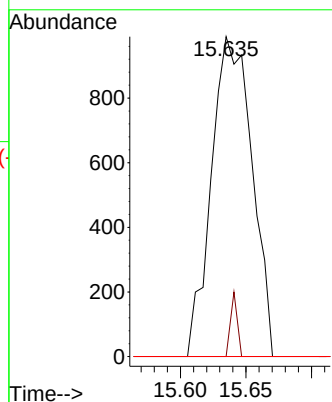
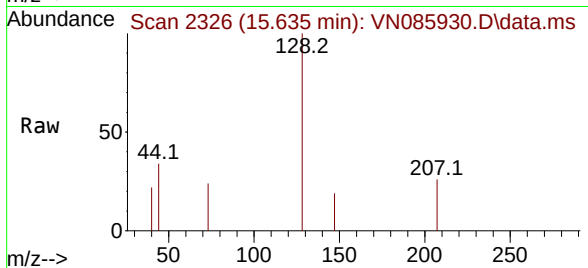
Tgt Ion:128 Resp: 2131

Ion Ratio Lower Upper

128 100

127 3.3 10.2 15.2#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.301 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085930.D

Acq: 11 Mar 2025 14:21

Tgt Ion:180 Resp: 512

Ion Ratio Lower Upper

180 100

182 51.0 47.3 141.8

145 0.0 16.9 50.6#

