

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086037.D
 Acq On : 21 Mar 2025 13:52
 Operator : JC\MD
 Sample : VN0321WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

Quant Time: Mar 21 22:55:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

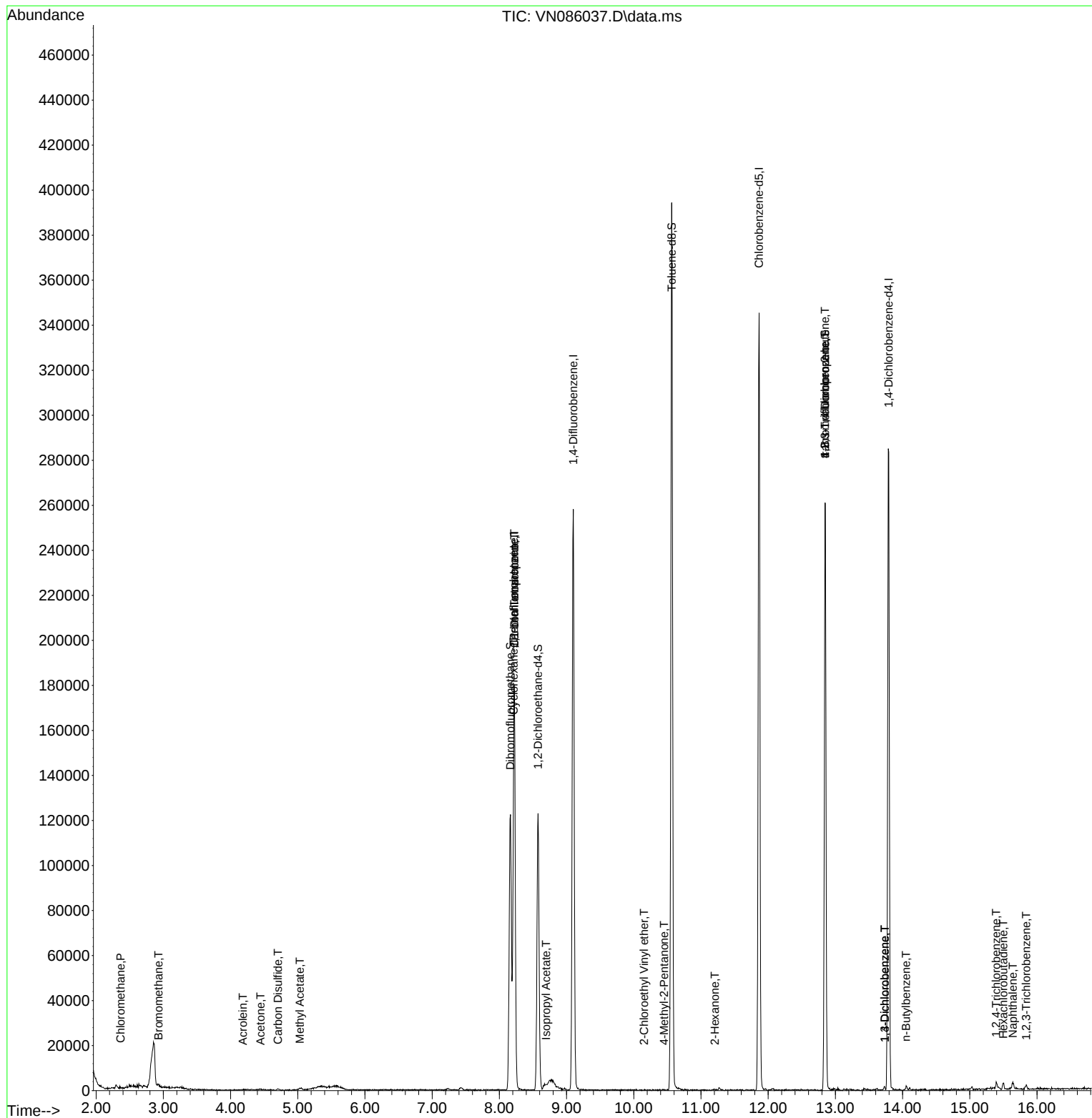
Internal Standards						
1) Pentafluorobenzene	8.218	168	129724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	224711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102474	57.688	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.380%			
35) Dibromofluoromethane	8.165	113	88103	56.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.340%			
50) Toluene-d8	10.565	98	276675	48.604	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.847	95	90119	44.392	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.780%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	413	0.274	ug/l #	42
5) Bromomethane	2.930	94	609	0.580	ug/l	83
13) Acrolein	4.183	56	57	0.212	ug/l #	15
16) Acetone	4.447	43	366	0.674	ug/l #	38
17) Carbon Disulfide	4.706	76	1166	0.267	ug/l #	74
18) Methyl Acetate	5.030	43	1823	1.358	ug/l #	59
31) Cyclohexane	8.212	56	2509	1.134	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10459	5.064	ug/l #	49
38) Carbon Tetrachloride	8.224	117	13060	4.809	ug/l #	18
43) Isopropyl Acetate	8.694	43	2734	0.724	ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	343	0.206	ug/l #	30
58) 2-Chloroethyl Vinyl ether	10.153	63	133	3.630	ug/l #	43
59) 2-Hexanone	11.206	43	534	0.440	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	44935	23.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44935	62.467	ug/l #	16
87) 1,3-Dichlorobenzene	13.735	146	641	0.220	ug/l	86
88) 1,4-Dichlorobenzene	13.735	146	641	0.209	ug/l	86
89) n-Butylbenzene	14.053	91	1526	0.405	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	782	0.537	ug/l	92
94) Hexachlorobutadiene	15.500	225	818	0.967	ug/l	79
95) Naphthalene	15.641	128	4631	1.097	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	1268	0.917	ug/l #	89

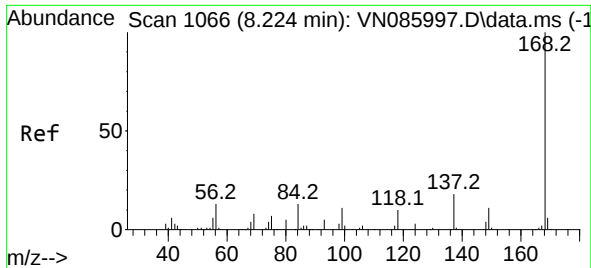
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
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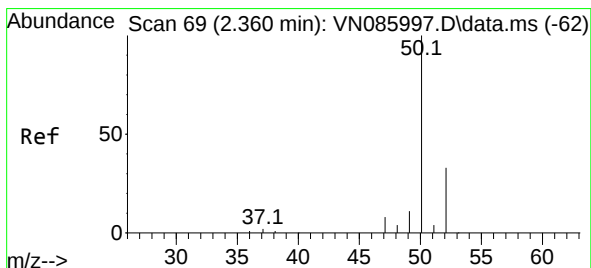
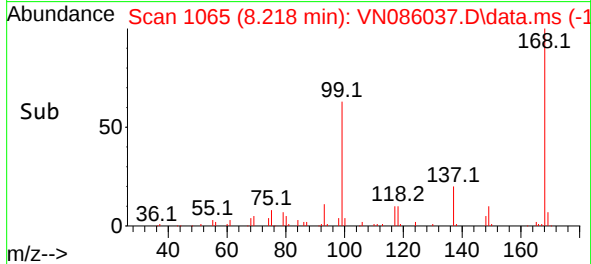
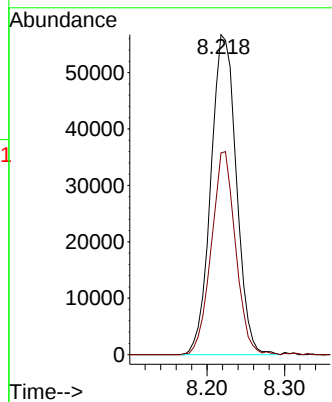
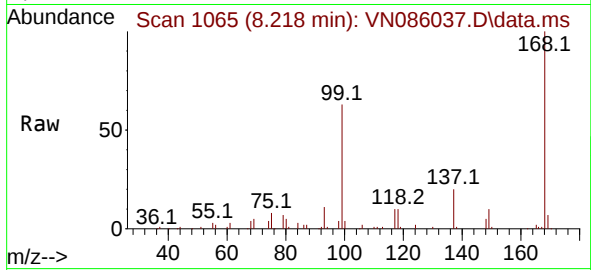




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

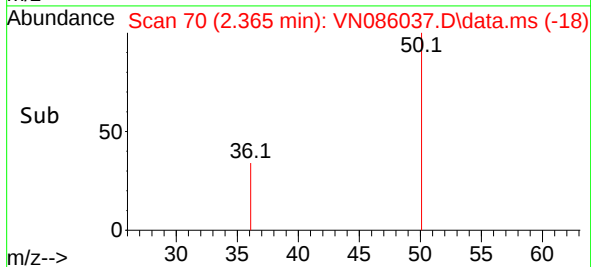
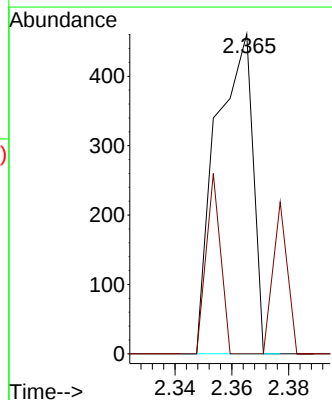
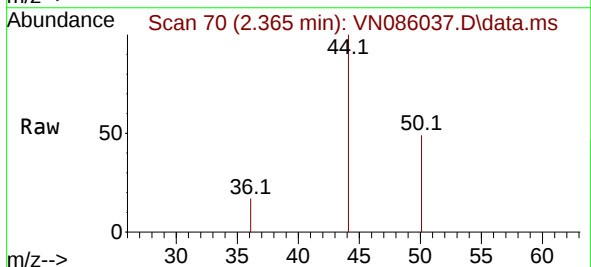
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

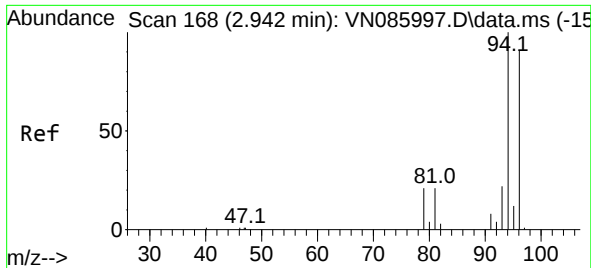
Tgt Ion:168 Resp: 129724
Ion Ratio Lower Upper
168 100
99 63.1 49.4 74.2



#3
Chloromethane
Concen: 0.274 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

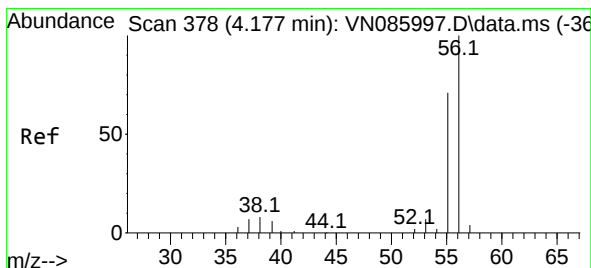
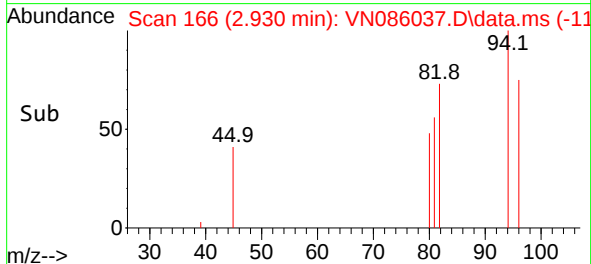
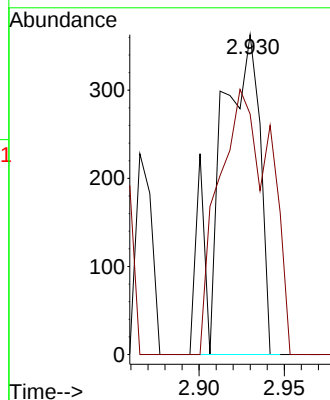
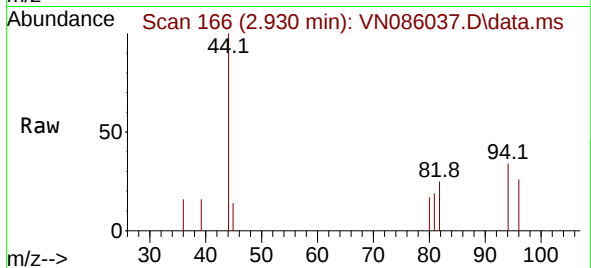




#5
Bromomethane
Concen: 0.580 ug/l
RT: 2.930 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

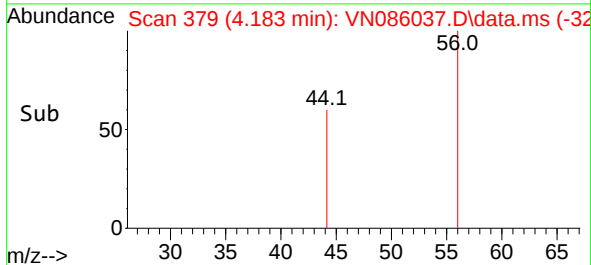
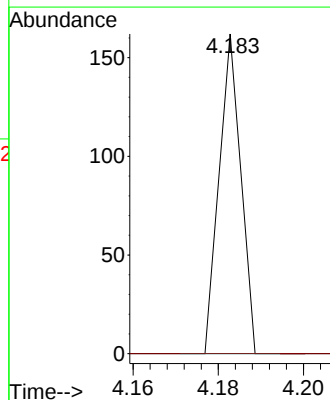
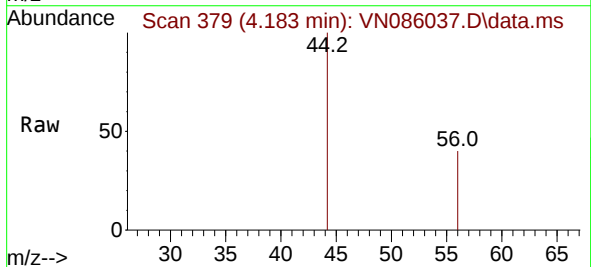
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

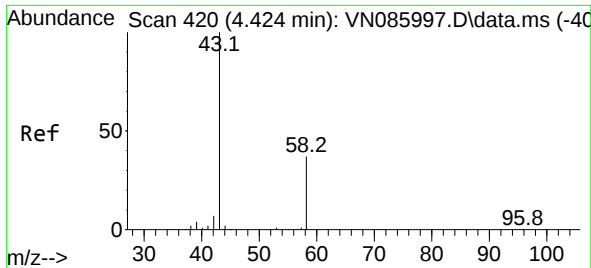
Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 75.2 72.8 109.2



#13
Acrolein
Concen: 0.212 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#





#16

Acetone

Concen: 0.674 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

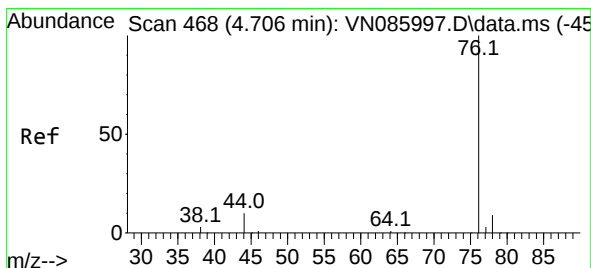
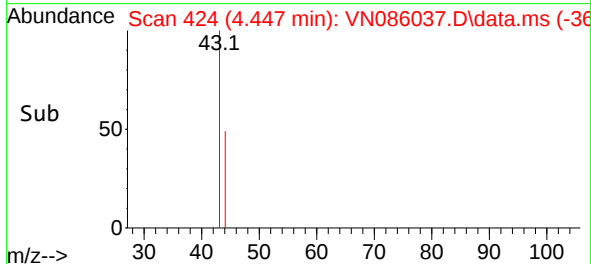
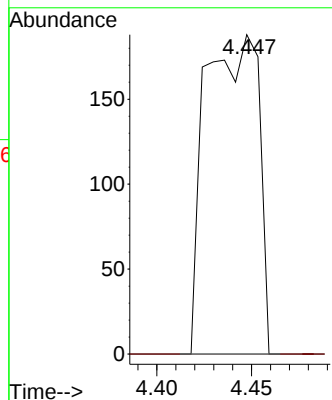
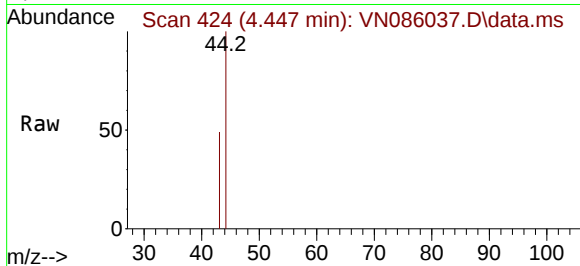
VN0321WBL01

Tgt Ion: 43 Resp: 366

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.000 min

Lab File: VN086037.D

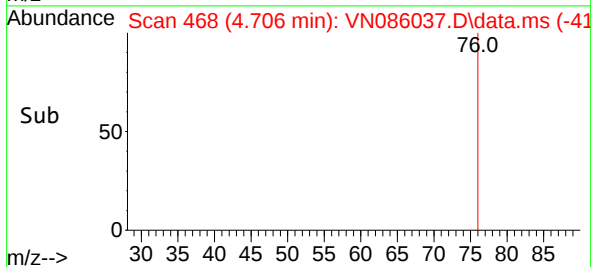
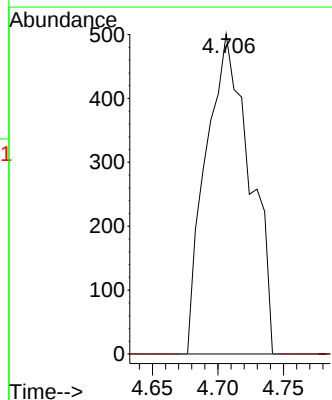
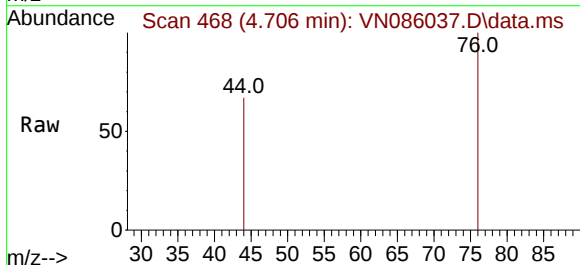
Acq: 21 Mar 2025 13:52

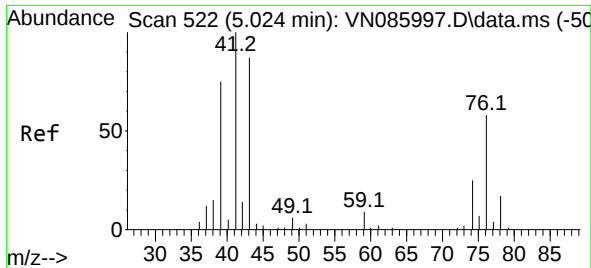
Tgt Ion: 76 Resp: 1166

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

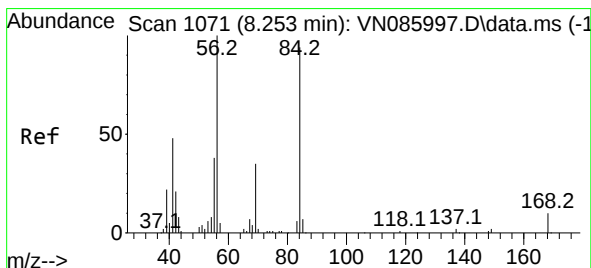
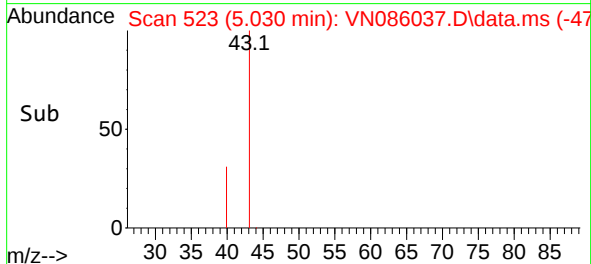
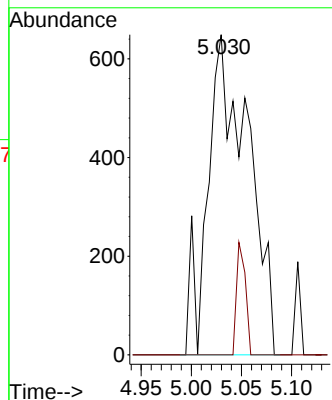
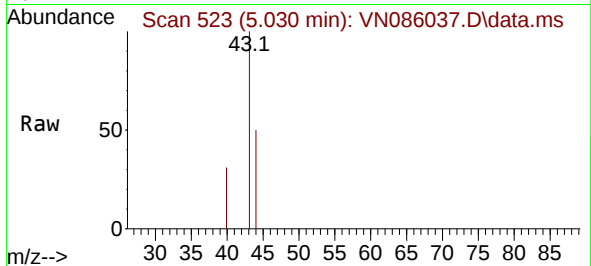




#18
Methyl Acetate
Concen: 1.358 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

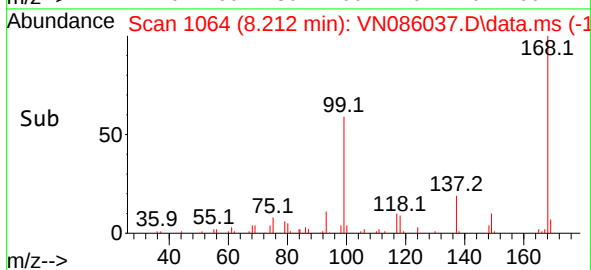
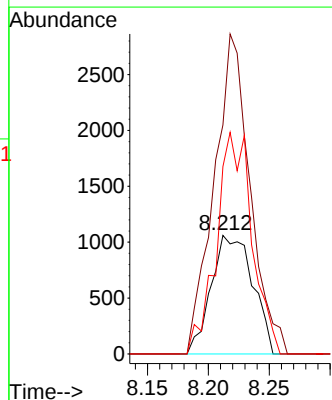
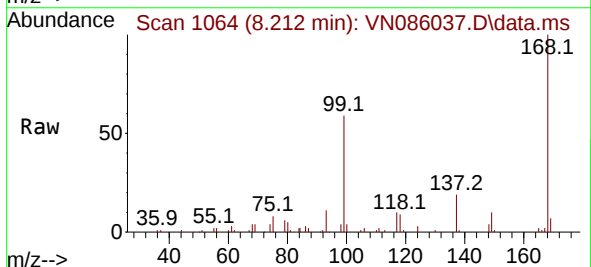
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

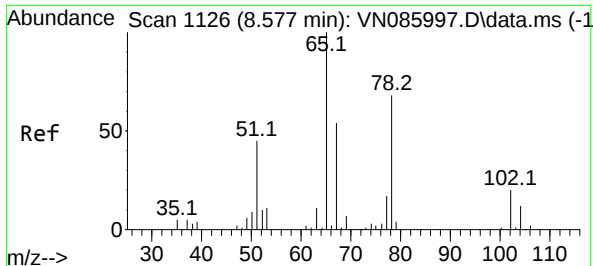
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
74 7.6 23.9 35.9#



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 56 Resp: 2509
Ion Ratio Lower Upper
56 100
69 193.0 28.0 42.0#
84 158.1 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 57.688 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

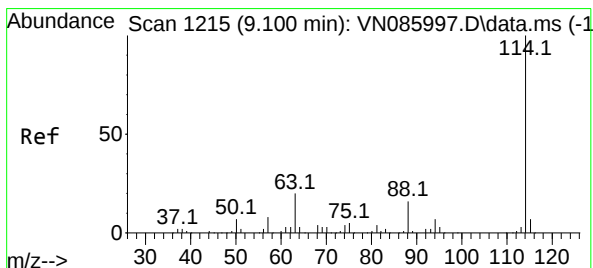
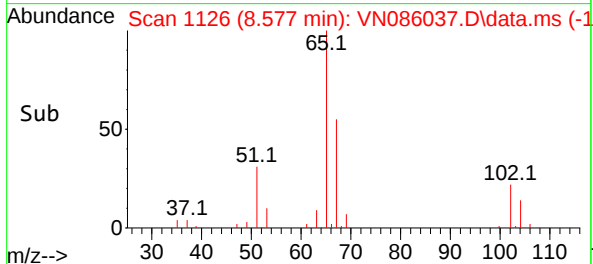
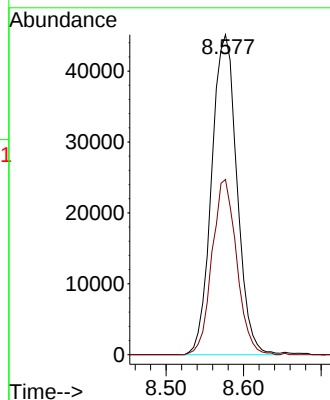
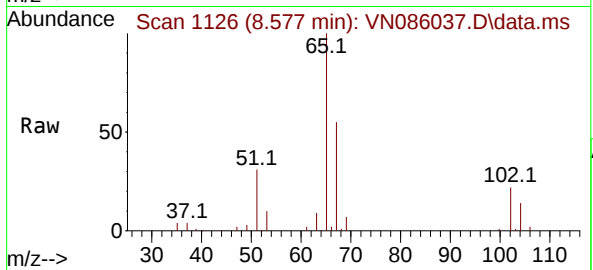
VN0321WBL01

Tgt Ion: 65 Resp: 102474

Ion Ratio Lower Upper

65 100

67 53.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

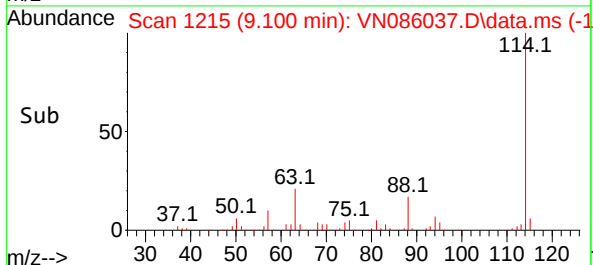
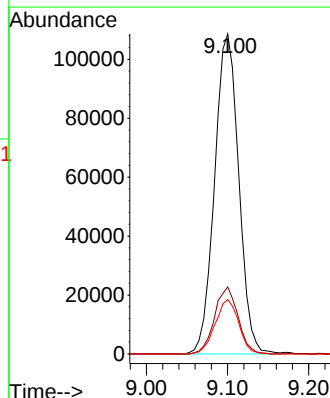
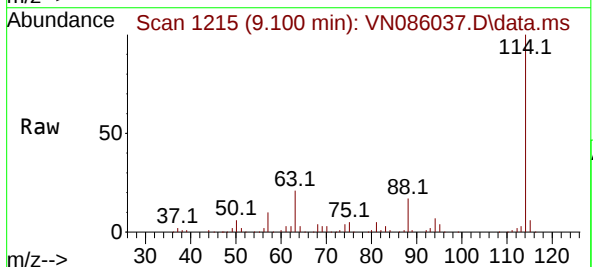
Tgt Ion: 114 Resp: 224711

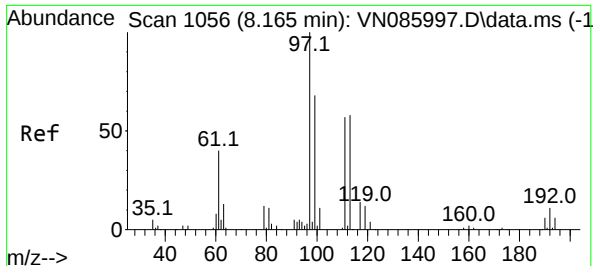
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.172 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

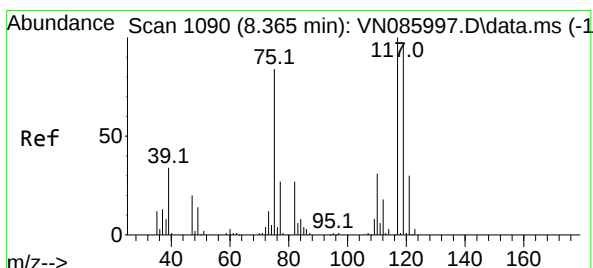
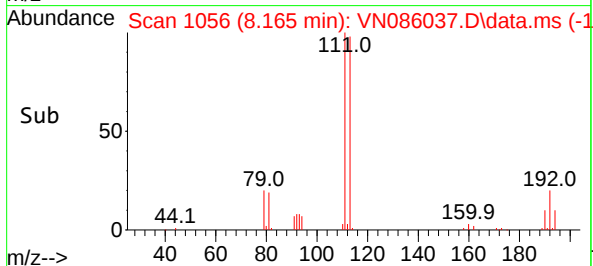
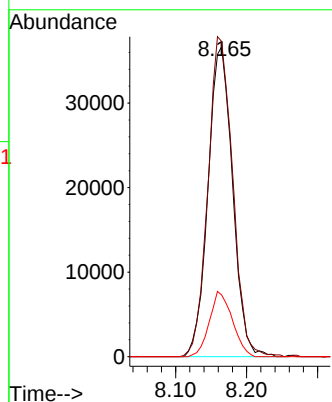
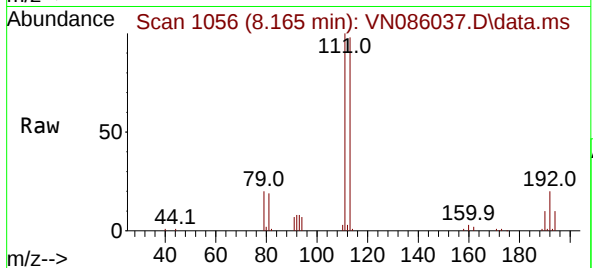
Tgt Ion:113 Resp: 88103

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 19.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

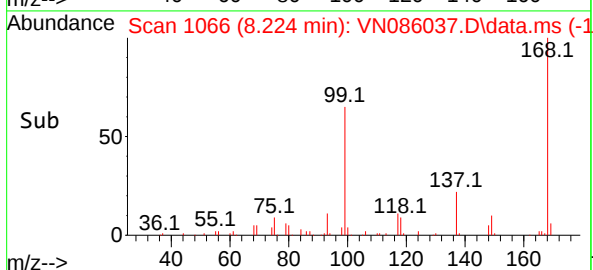
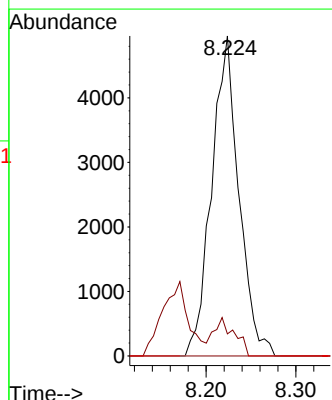
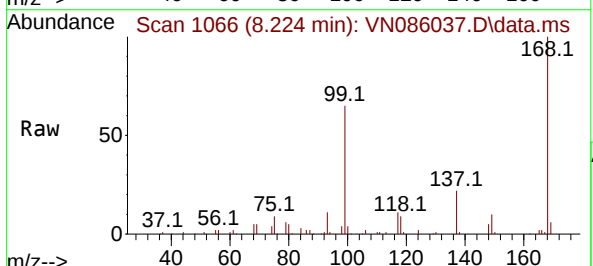
Tgt Ion: 75 Resp: 10459

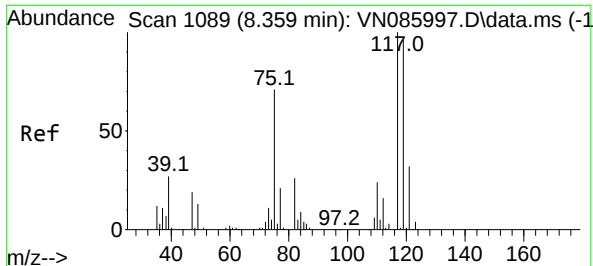
Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.3#

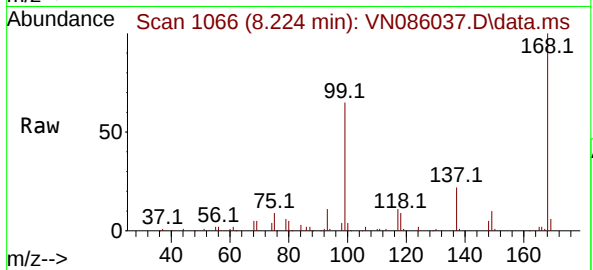
77 0.0 25.0 37.4#



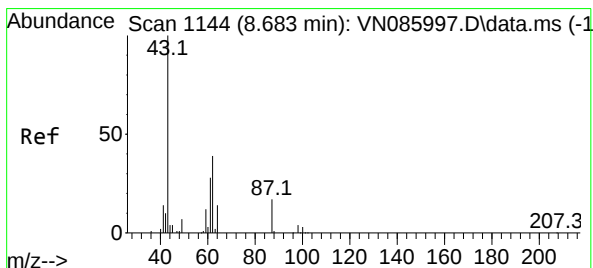
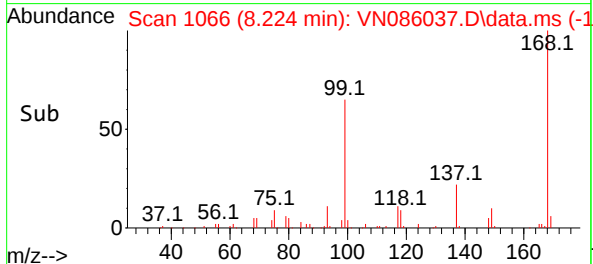
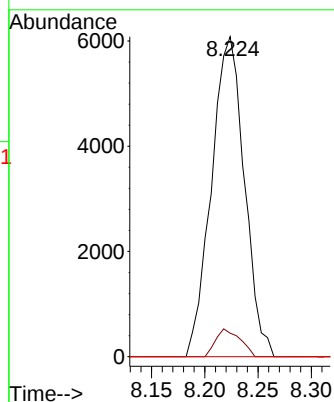


#38
Carbon Tetrachloride
Concen: 4.809 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

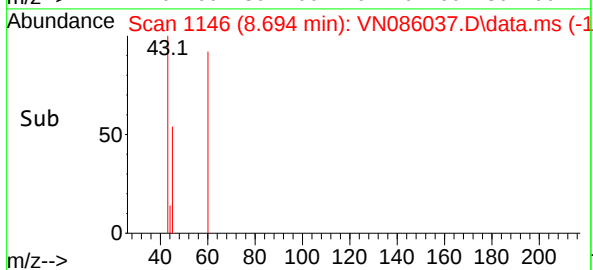
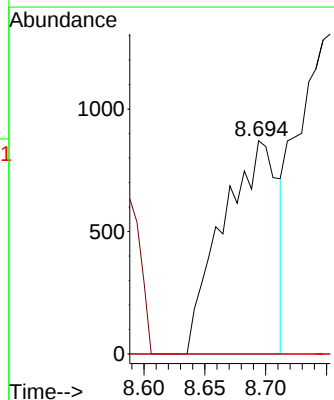
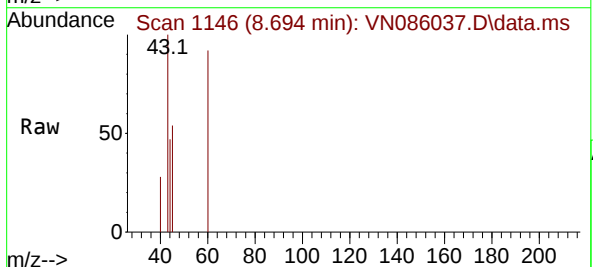


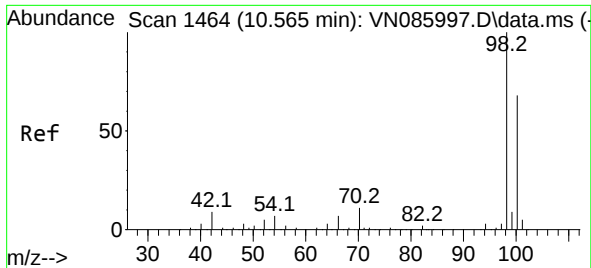
Tgt Ion:117 Resp: 13060
Ion Ratio Lower Upper
117 100
119 7.4 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.724 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 43 Resp: 2734
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

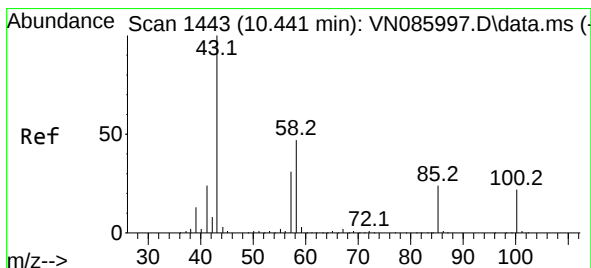
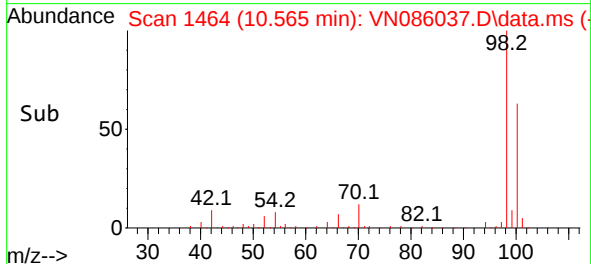
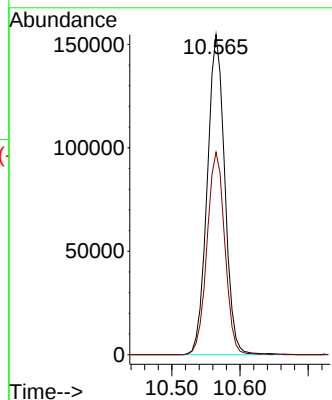
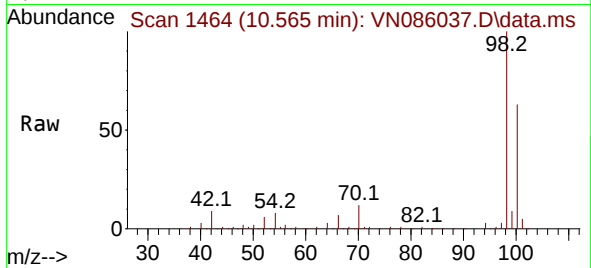




#50
Toluene-d8
Concen: 48.604 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

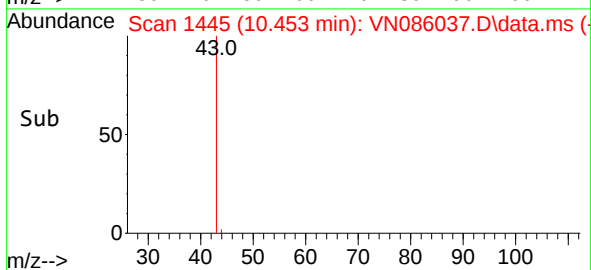
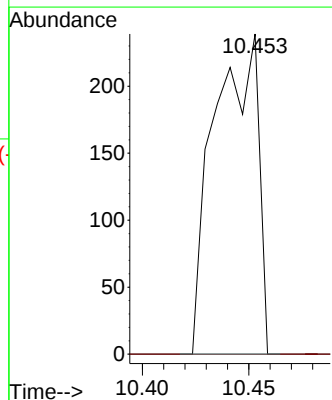
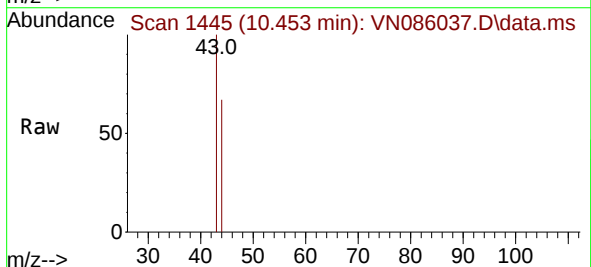
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

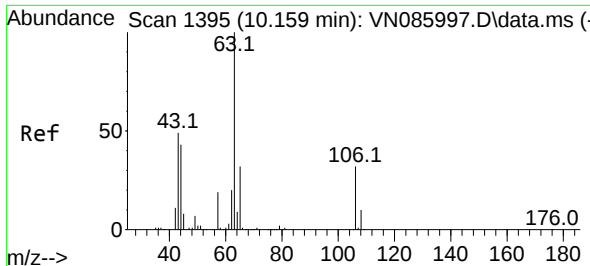
Tgt Ion: 98 Resp: 276675
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.206 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.0#

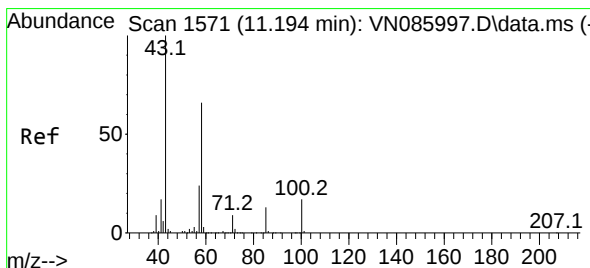
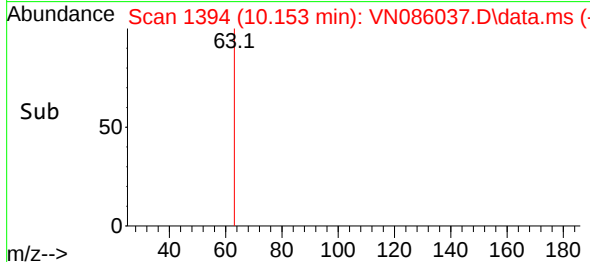
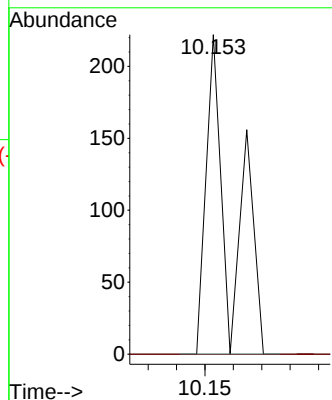
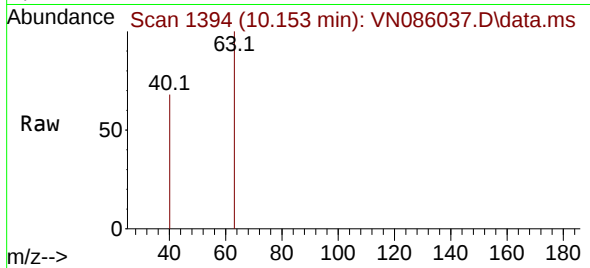




#58
2-Chloroethyl Vinyl ether
Concen: 3.630 ug/l
RT: 10.153 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

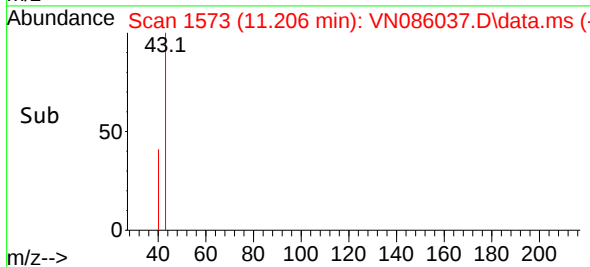
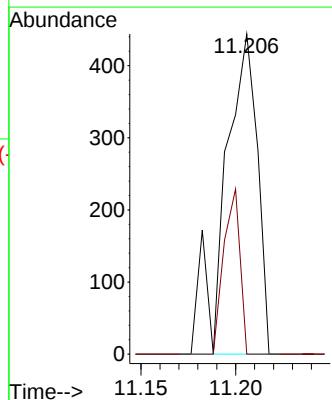
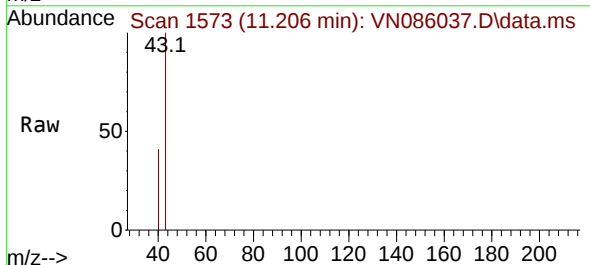
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

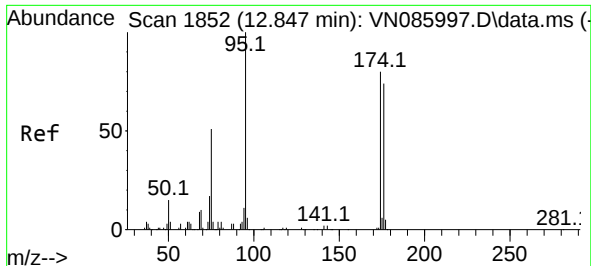
Tgt Ion: 63 Resp: 133
Ion Ratio Lower Upper
63 100
106 0.0 25.0 37.6#



#59
2-Hexanone
Concen: 0.440 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 25.7 32.4 97.2#

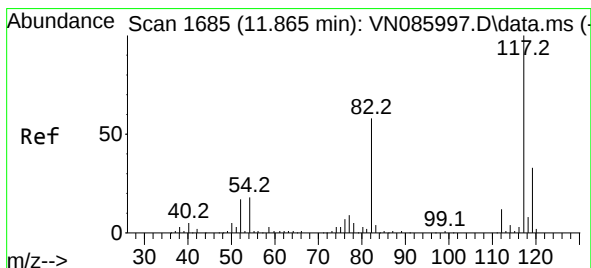
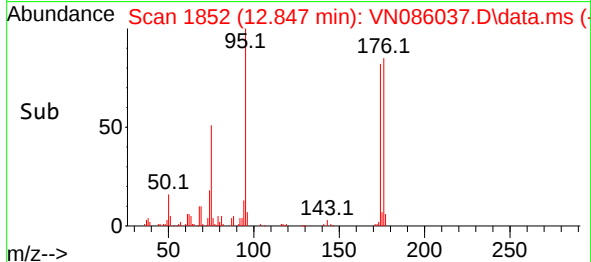
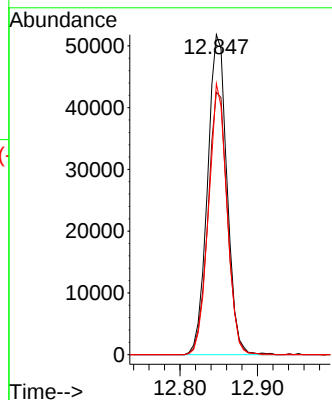
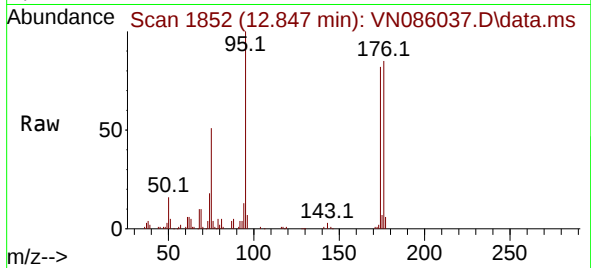




#62
4-Bromofluorobenzene
Concen: 44.392 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

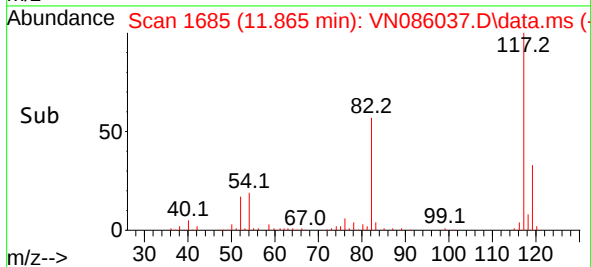
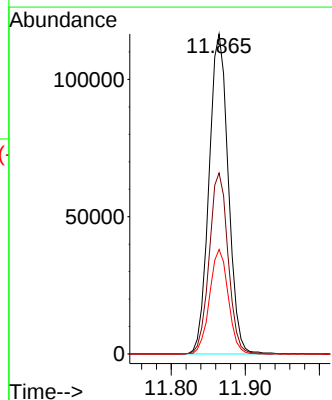
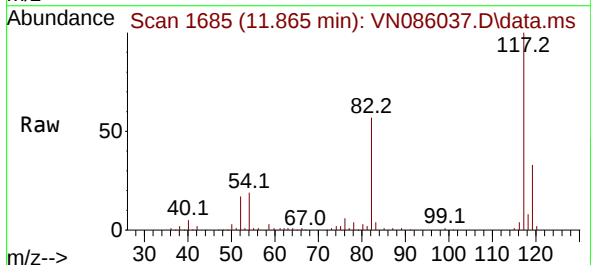
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

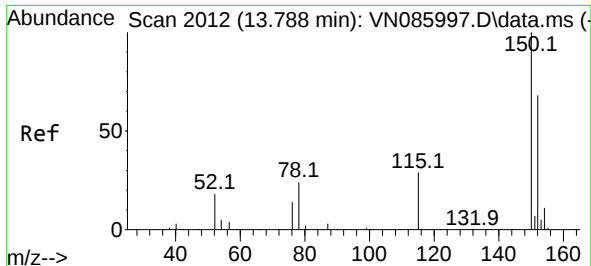
Tgt Ion: 95 Resp: 90119
Ion Ratio Lower Upper
95 100
174 82.1 0.0 156.8
176 80.1 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 117 Resp: 210417
Ion Ratio Lower Upper
117 100
82 56.6 46.7 70.1
119 32.7 26.5 39.7

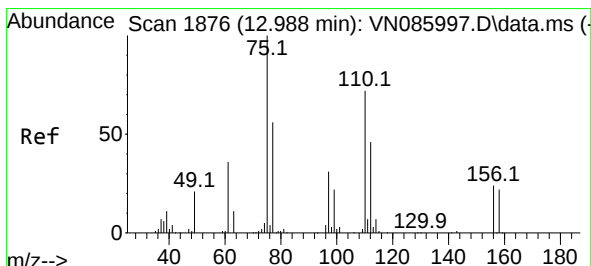
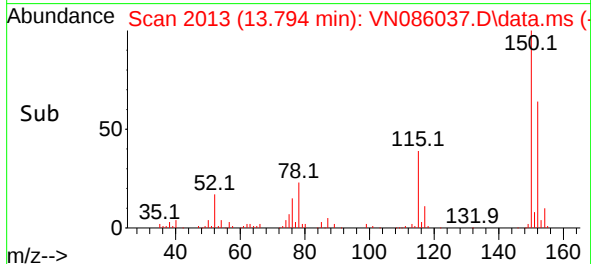
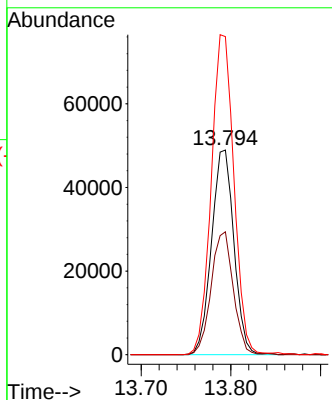
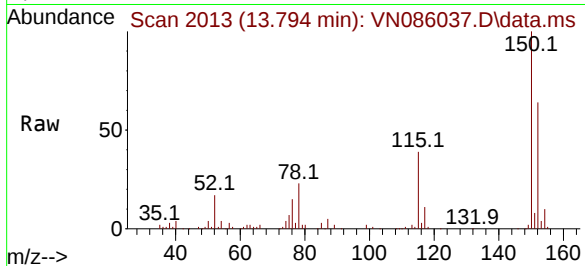




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

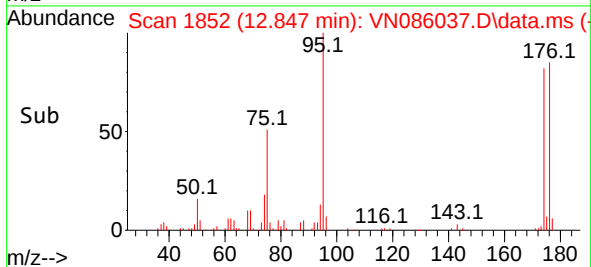
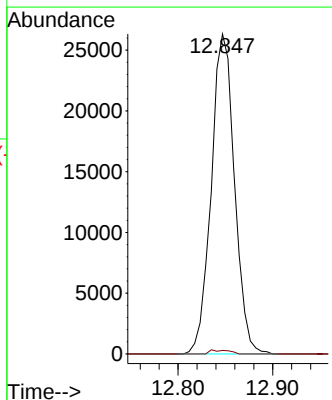
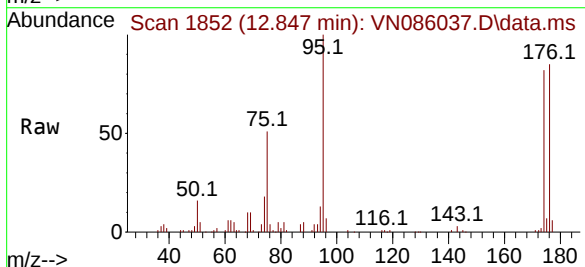
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

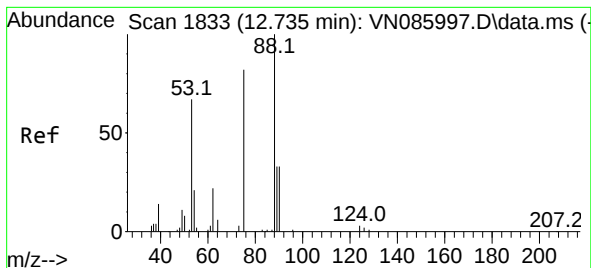
Tgt Ion:152 Resp: 84947
Ion Ratio Lower Upper
152 100
115 59.4 31.1 93.2
150 158.4 0.0 359.6



#76
1,2,3-Trichloropropane
Concen: 23.628 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 75 Resp: 44935
Ion Ratio Lower Upper
75 100
77 1.0 83.7 251.0#

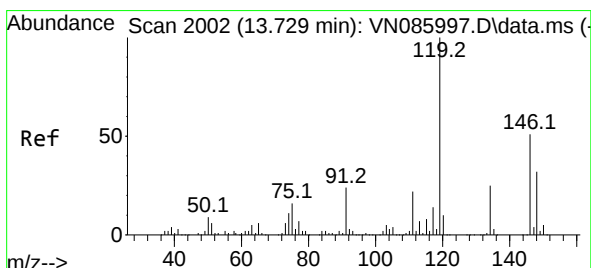
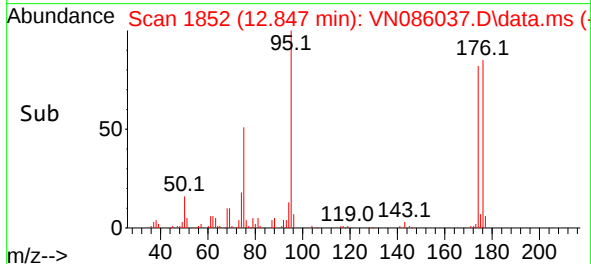
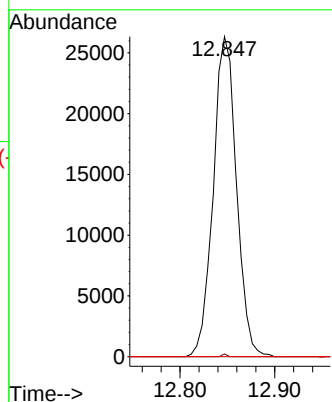
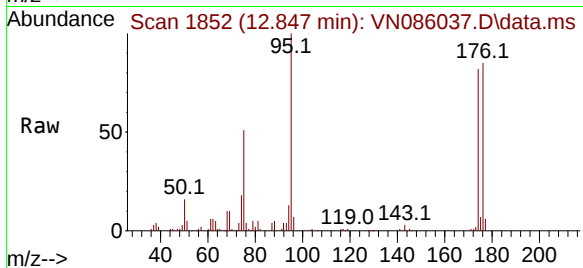




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.467 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086037.D
 Acq: 21 Mar 2025 13:52

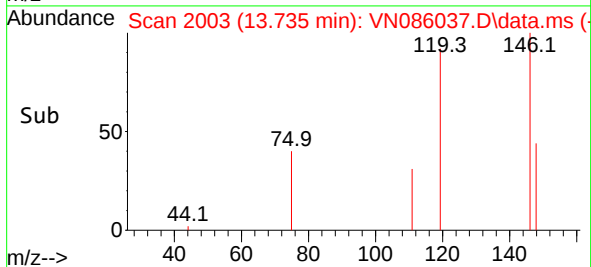
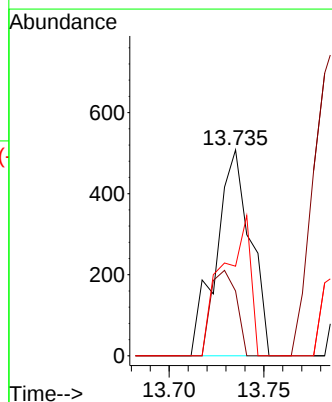
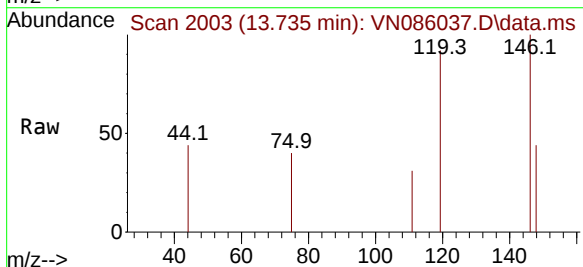
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

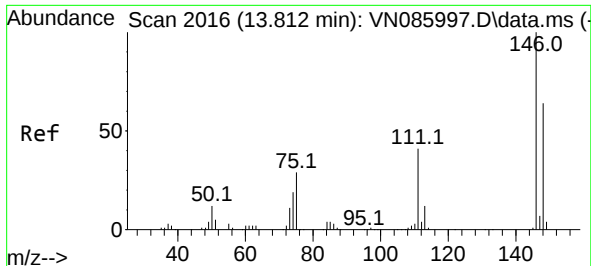
Tgt Ion: 75 Resp: 44935
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 36.9 55.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN086037.D
 Acq: 21 Mar 2025 13:52

Tgt Ion: 146 Resp: 641
 Ion Ratio Lower Upper
 146 100
 111 30.7 21.2 63.6
 148 54.9 31.8 95.4

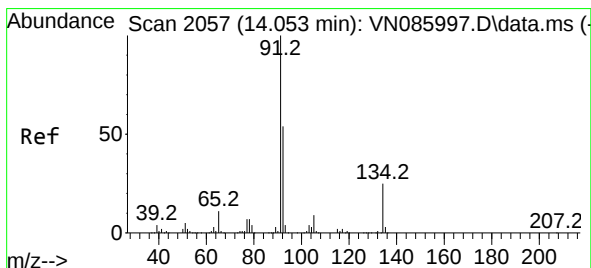
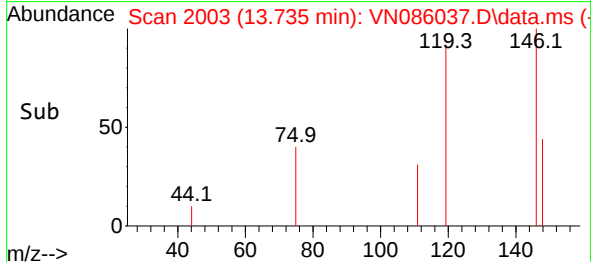
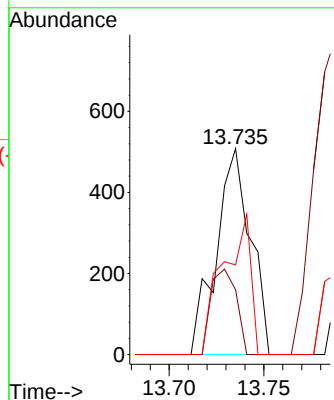
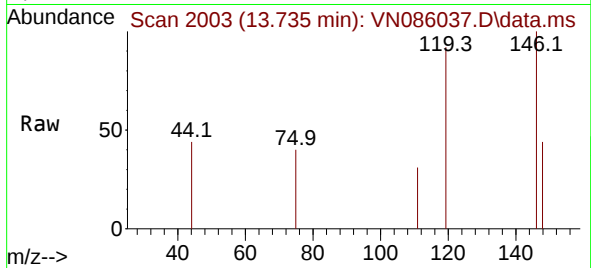




#88
 1,4-Dichlorobenzene
 Concen: 0.209 ug/l
 RT: 13.735 min Scan# 2016
 Delta R.T. -0.077 min
 Lab File: VN086037.D
 Acq: 21 Mar 2025 13:52

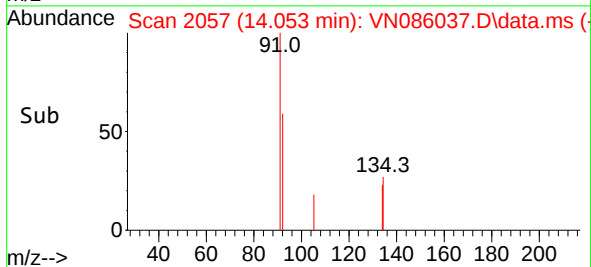
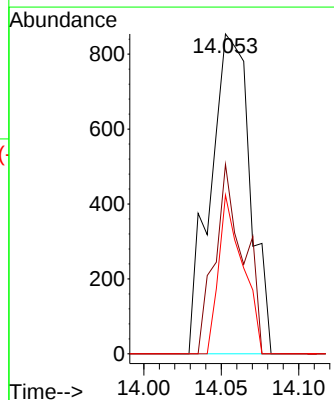
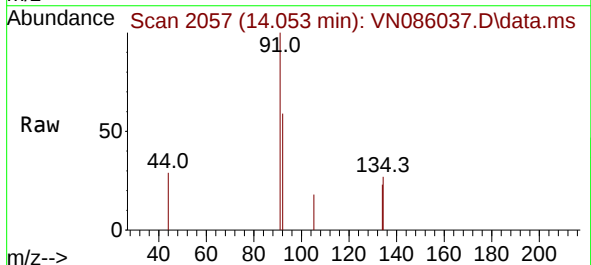
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

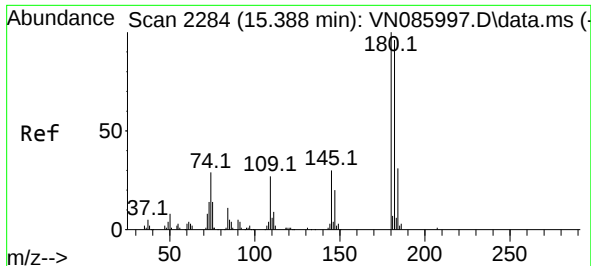
Tgt Ion:146 Resp: 641
 Ion Ratio Lower Upper
 146 100
 111 30.7 20.4 61.3
 148 54.9 32.1 96.5



#89
 n-Butylbenzene
 Concen: 0.405 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN086037.D
 Acq: 21 Mar 2025 13:52

Tgt Ion: 91 Resp: 1526
 Ion Ratio Lower Upper
 91 100
 92 42.5 26.9 80.6
 134 30.1 13.0 39.0

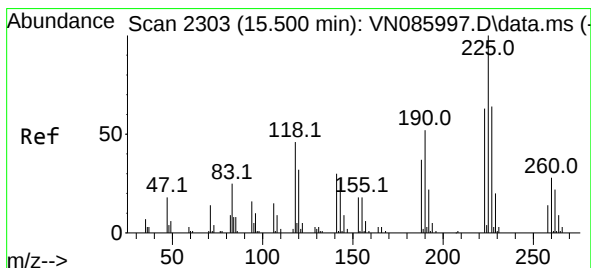
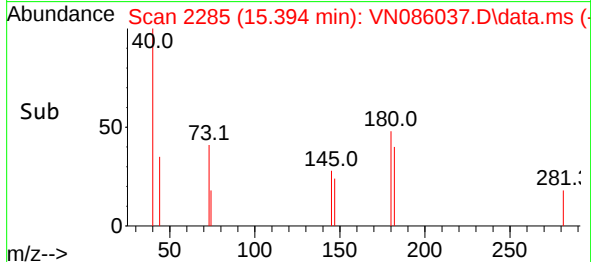
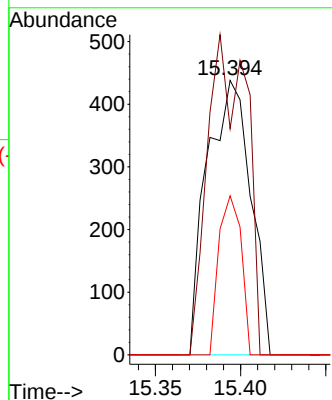
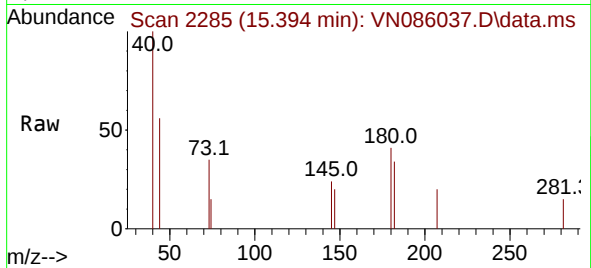




#93
1,2,4-Trichlorobenzene
Concen: 0.537 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

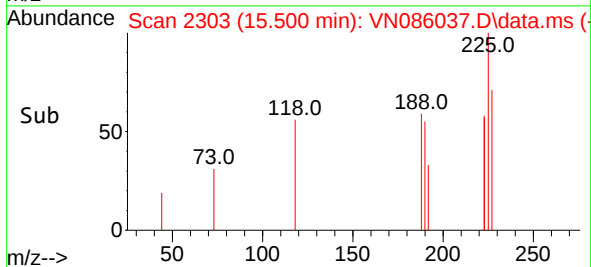
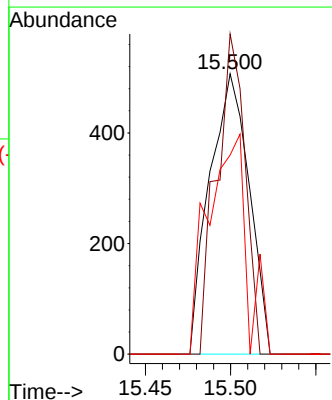
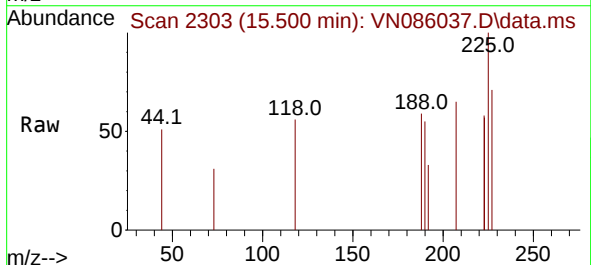
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

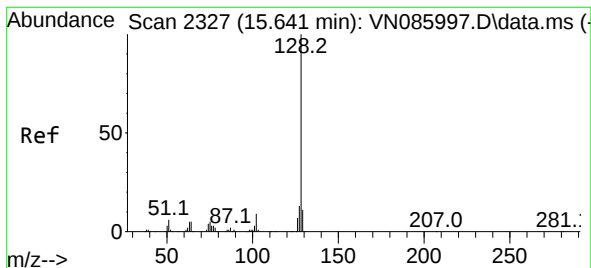
Tgt Ion:180 Resp: 782
Ion Ratio Lower Upper
180 100
182 104.1 47.0 141.0
145 29.8 15.5 46.5



#94
Hexachlorobutadiene
Concen: 0.967 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion:225 Resp: 818
Ion Ratio Lower Upper
225 100
223 82.3 31.3 93.9
227 76.8 32.1 96.3





#95

Naphthalene

Concen: 1.097 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

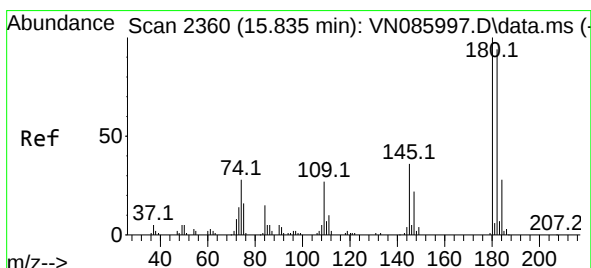
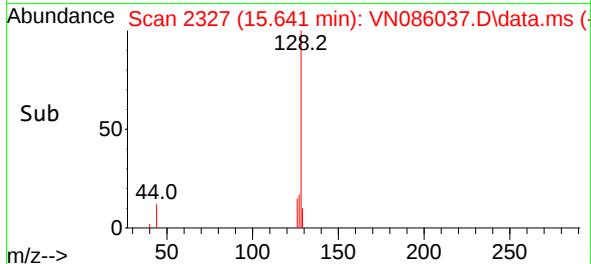
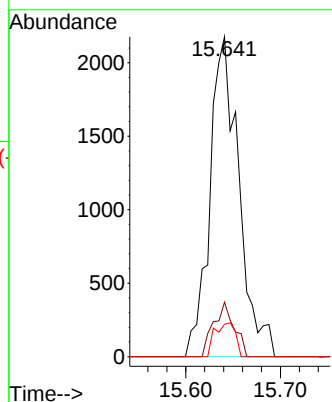
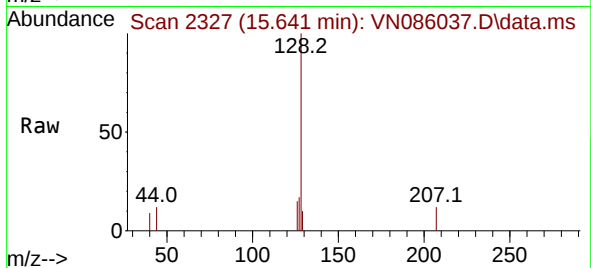
Tgt Ion:128 Resp: 4631

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 7.5 9.0 13.6#



#96

1,2,3-Trichlorobenzene

Concen: 0.917 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

Tgt Ion:180 Resp: 1268

Ion Ratio Lower Upper

180 100

182 93.7 47.5 142.5

145 14.3 17.7 53.1#

