

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111225\
 Data File : VN088267.D
 Acq On : 12 Nov 2025 11:01
 Operator : JC\MD
 Sample : VN1112WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBL01

Quant Time: Nov 14 00:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

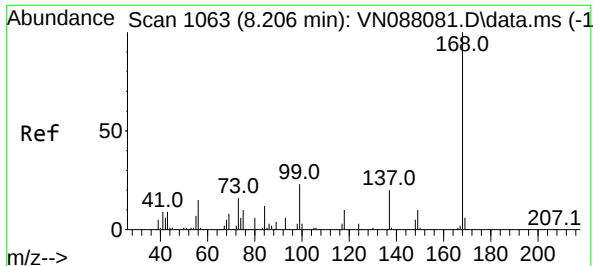
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	266382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	599773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	582443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	277481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	274023	59.489	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.980%			
35) Dibromofluoromethane	8.147	113	201398	49.983	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.960%			
50) Toluene-d8	10.541	98	727901	46.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.760%			
62) 4-Bromofluorobenzene	12.829	95	271520	49.520	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.040%			
Target Compounds						Qvalue
5) Bromomethane	2.989	94	522	0.227	ug/l	86
11) Tert butyl alcohol	5.500	59	261	0.329	ug/l #	71
13) Acrolein	4.177	56	204	0.229	ug/l #	59
16) Acetone	4.412	43	2800	1.210	ug/l	99
18) Methyl Acetate	5.018	43	1226	0.259	ug/l #	68
20) Methylene Chloride	5.259	84	809	0.208	ug/l #	50
31) Cyclohexane	8.200	56	8383	1.300	ug/l #	39
36) 1,1-Dichloropropene	8.206	75	27225	4.628	ug/l #	49
38) Carbon Tetrachloride	8.206	117	31646	5.208	ug/l #	16
51) 4-Methyl-2-Pentanone	10.547	43	4218	0.611	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	158284	24.950	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	158284	69.599	ug/l #	1

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

Quant Time: Nov 14 00:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

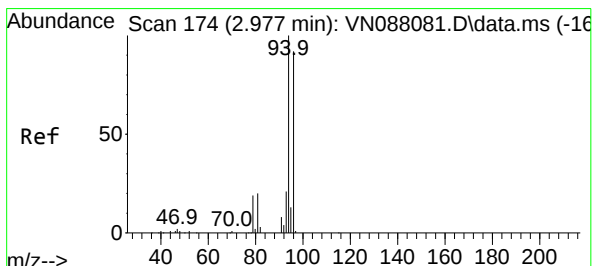
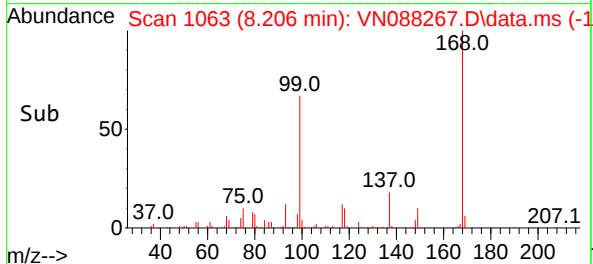
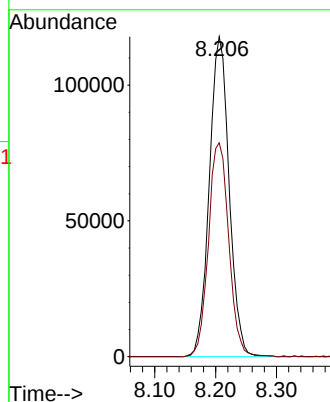
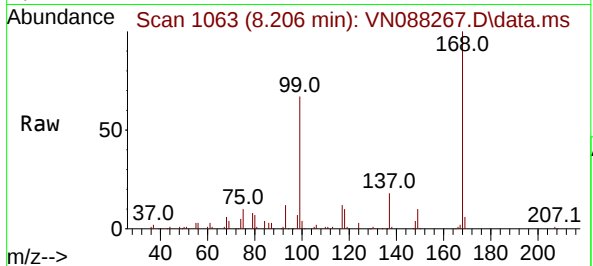




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

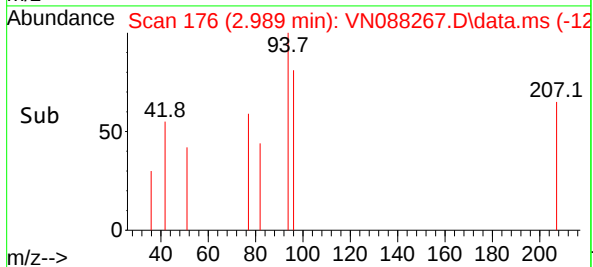
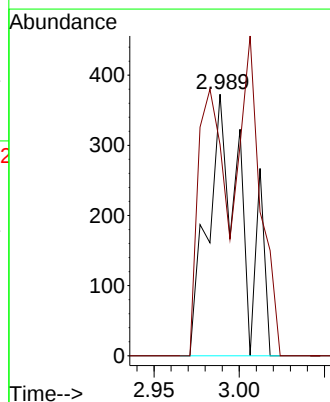
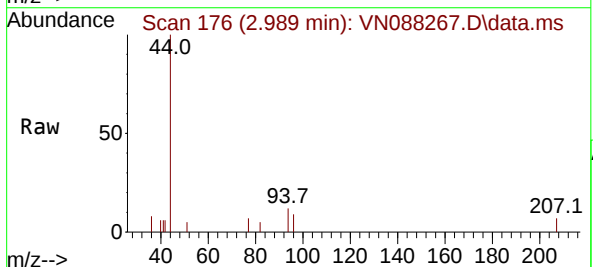
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

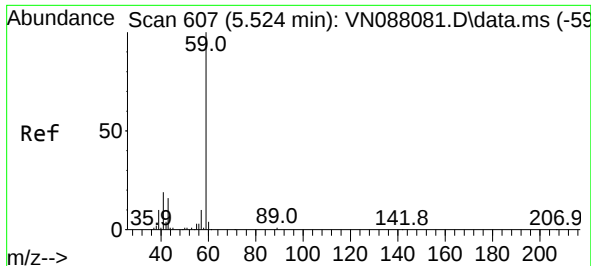
Tgt Ion:168 Resp: 266382
Ion Ratio Lower Upper
168 100
99 66.8 57.2 85.8



#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.017 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 94 Resp: 522
Ion Ratio Lower Upper
94 100
96 80.7 75.4 113.2

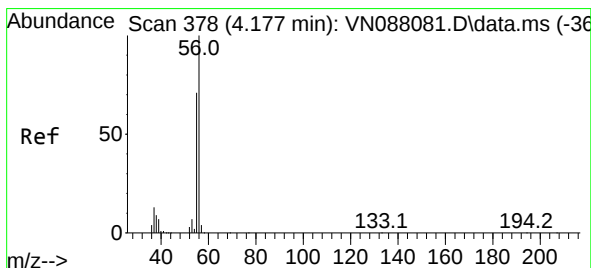
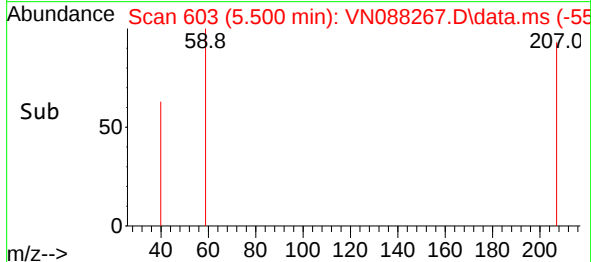
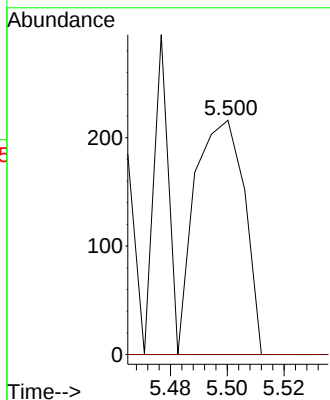
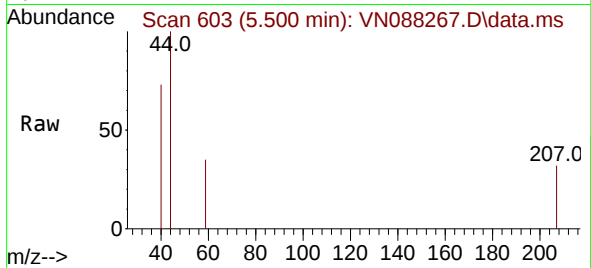




#11
Tert butyl alcohol
Concen: 0.329 ug/l
RT: 5.500 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

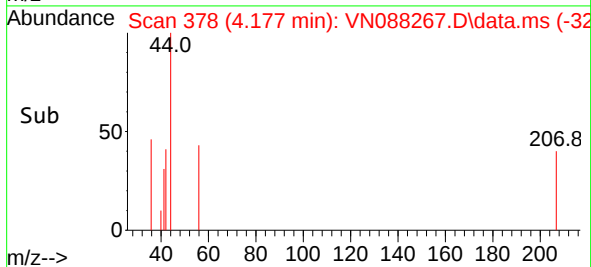
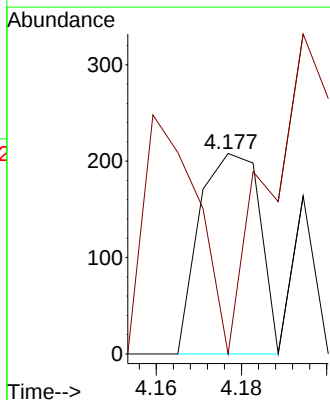
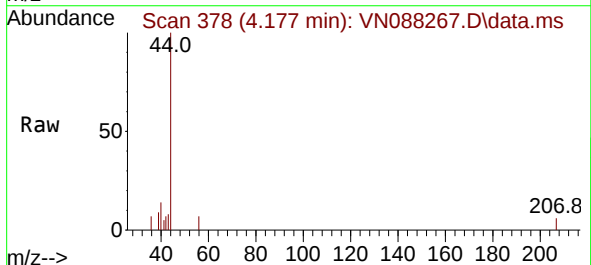
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

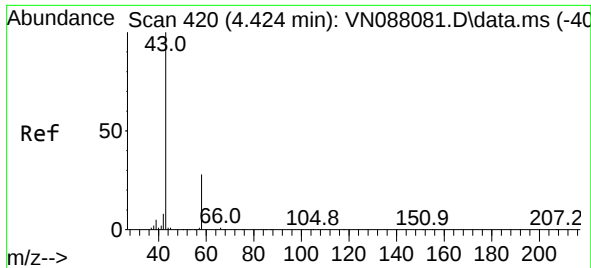
Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 0.229 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 105.4 57.3 85.9#

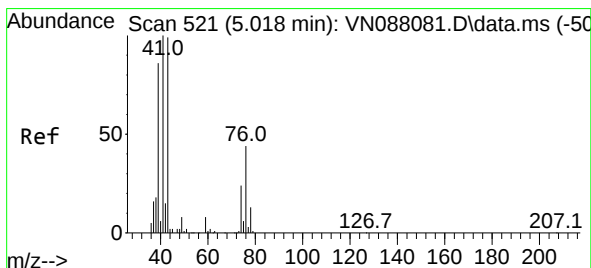
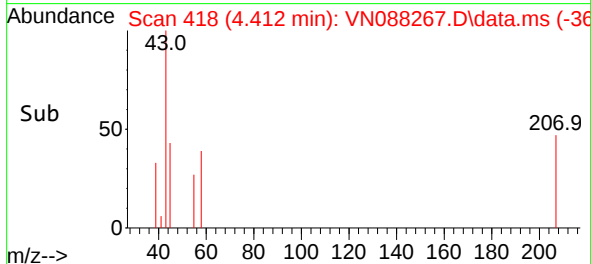
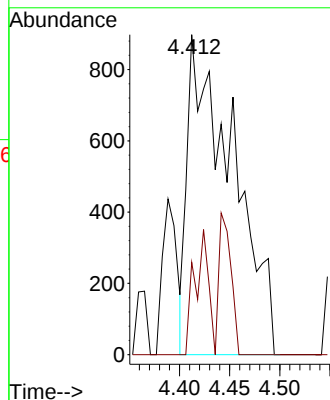
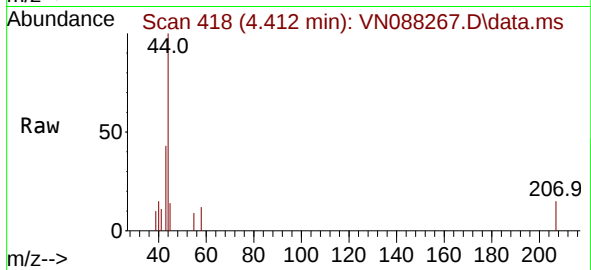




#16
Acetone
Concen: 1.210 ug/l
RT: 4.412 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

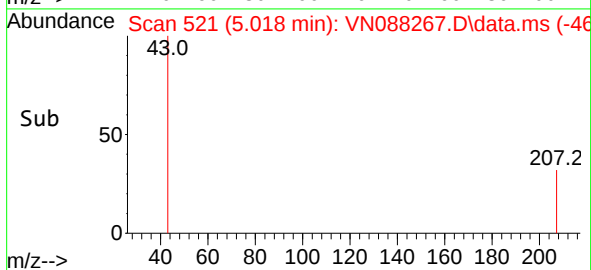
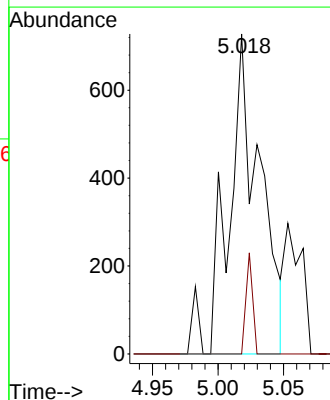
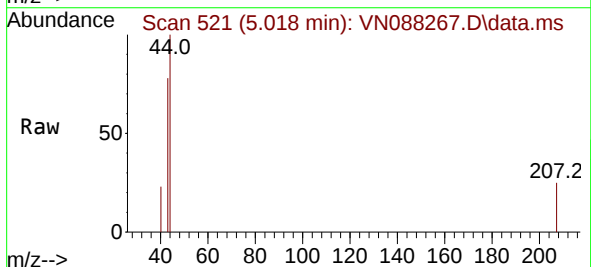
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

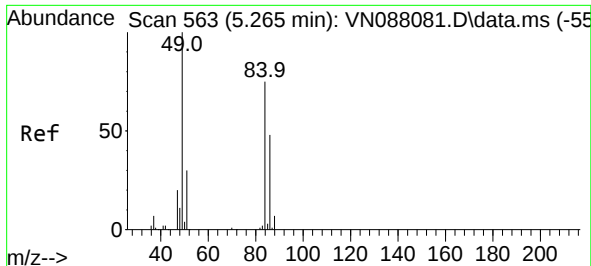
Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
58 28.8 22.6 33.8



#18
Methyl Acetate
Concen: 0.259 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
74 6.6 17.6 26.4#

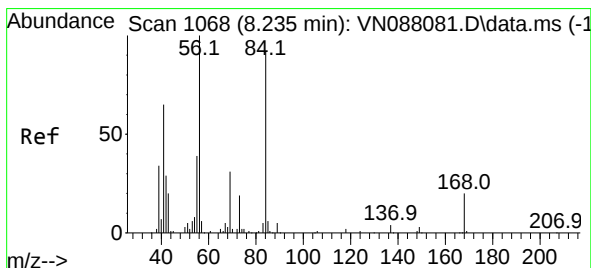
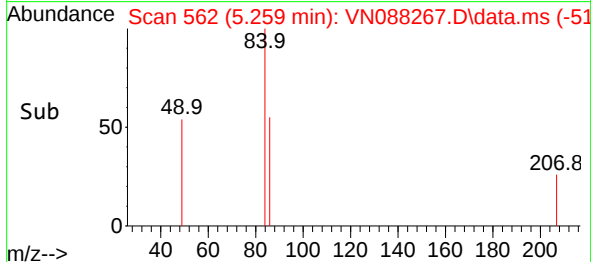
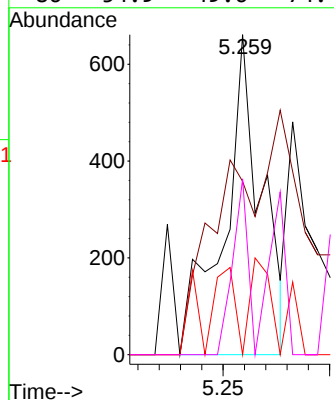
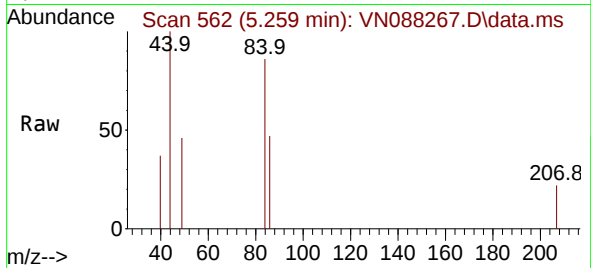




#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

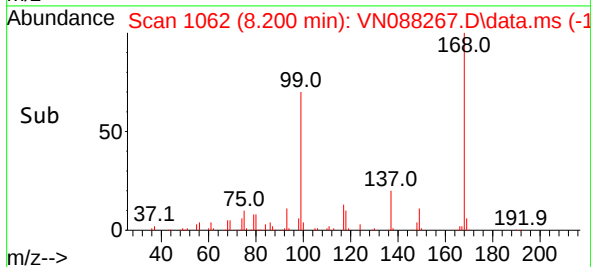
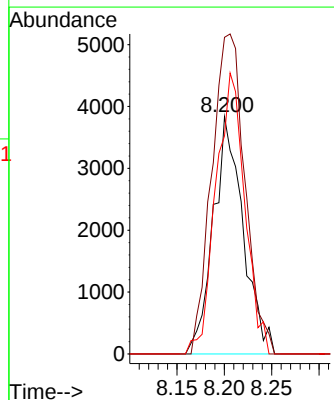
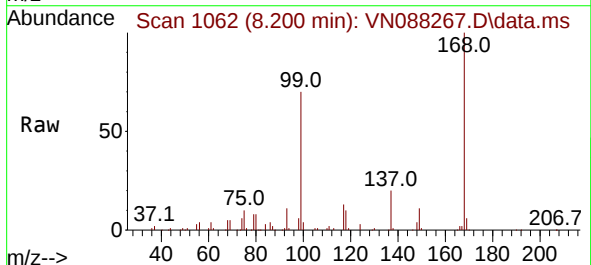
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

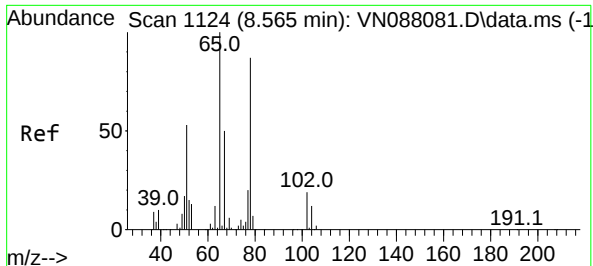
Tgt Ion:	84	Resp:	809
Ion	Ratio	Lower	Upper
84	100		
49	54.2	103.4	155.2#
51	0.0	33.8	50.8#
86	54.9	49.6	74.4



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion:	56	Resp:	8383
Ion	Ratio	Lower	Upper
56	100		
69	133.5	23.7	35.5#
84	91.9	64.7	97.1

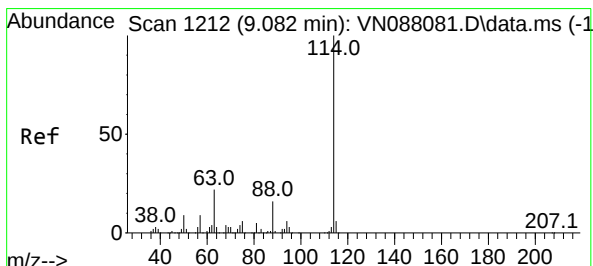
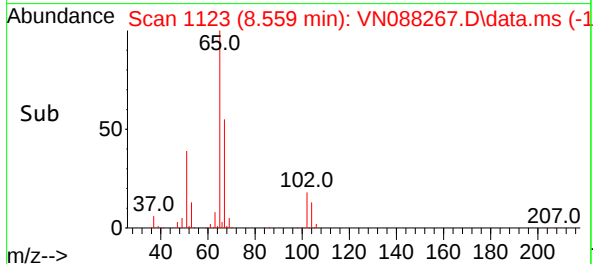
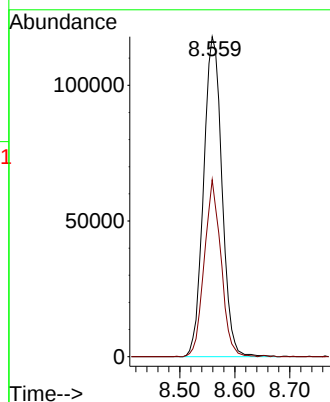
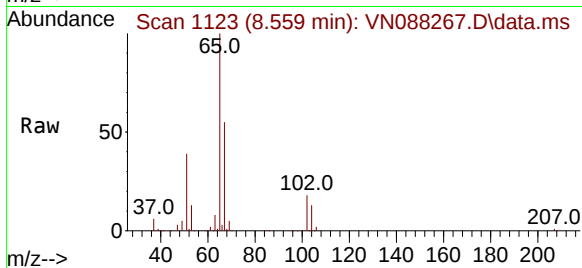




#33
 1,2-Dichloroethane-d4
 Concen: 59.489 ug/l
 RT: 8.559 min Scan# 1123
 Delta R.T. -0.000 min
 Lab File: VN088267.D
 Acq: 12 Nov 2025 11:01

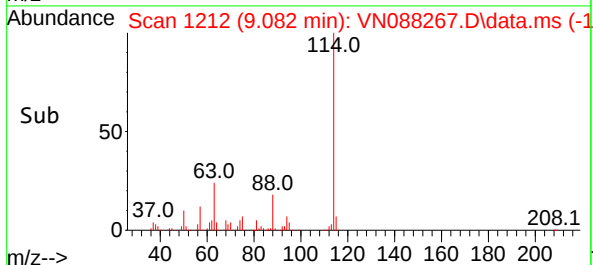
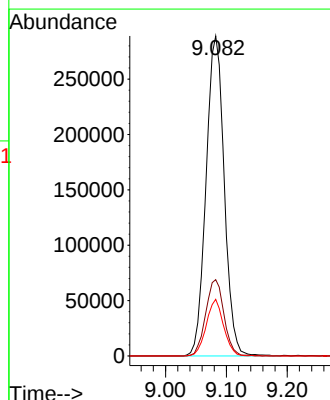
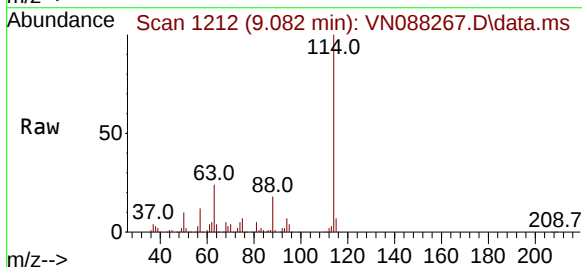
Instrument :
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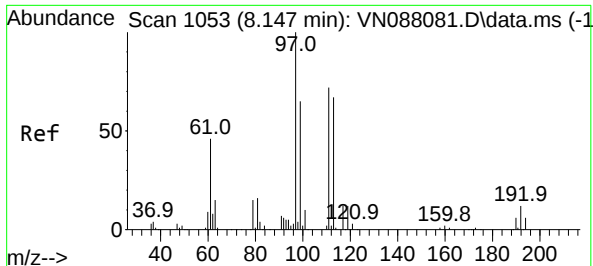
Tgt Ion: 65 Resp: 274023
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: VN088267.D
 Acq: 12 Nov 2025 11:01

Tgt Ion: 114 Resp: 599773
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.2
 88 17.7 0.0 33.4

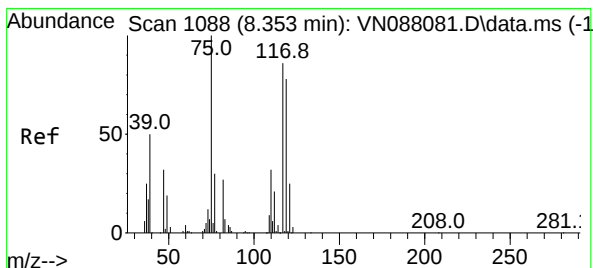
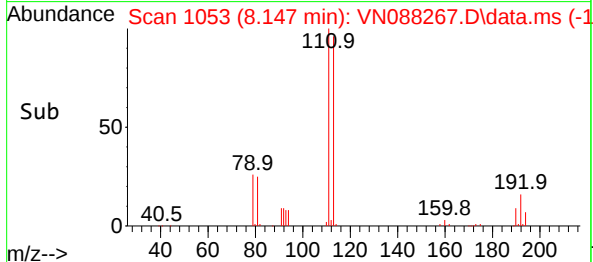
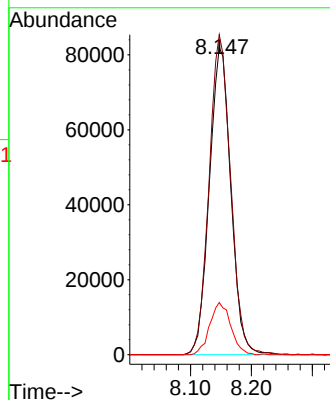
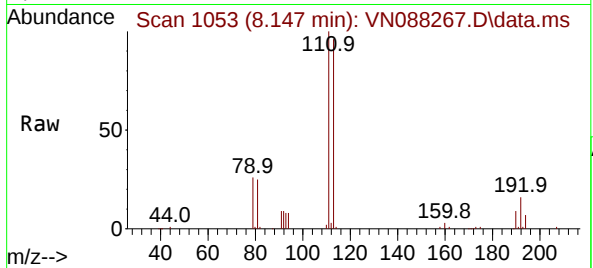




#35
Dibromofluoromethane
Concen: 49.983 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

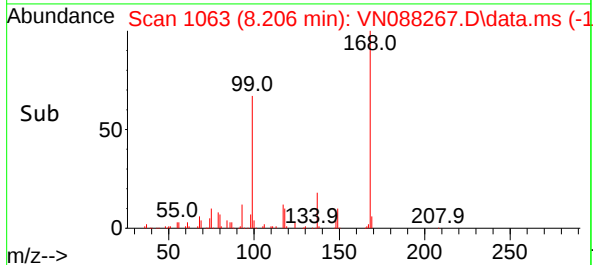
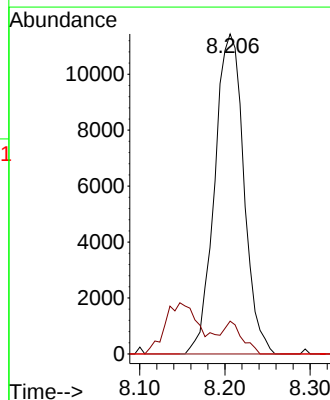
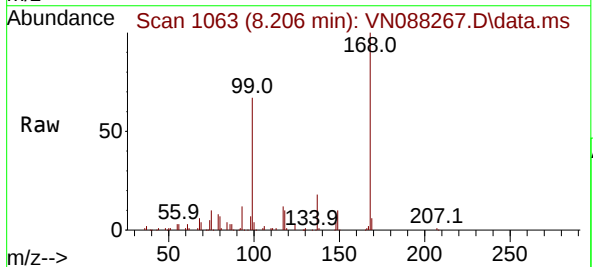
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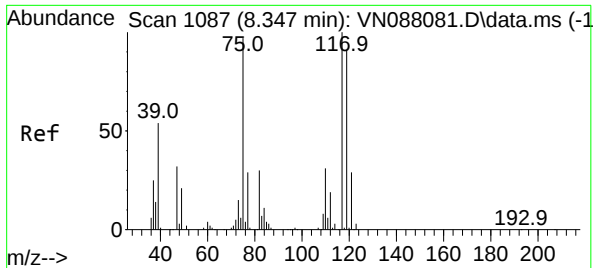
Tgt Ion:113 Resp: 201398
Ion Ratio Lower Upper
113 100
111 104.1 82.8 124.2
192 16.6 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.628 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 75 Resp: 27225
Ion Ratio Lower Upper
75 100
110 6.2 15.9 47.6#
77 0.0 24.4 36.6#

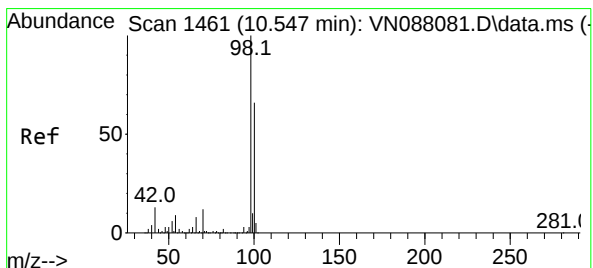
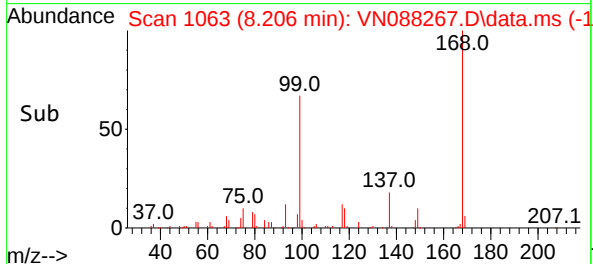
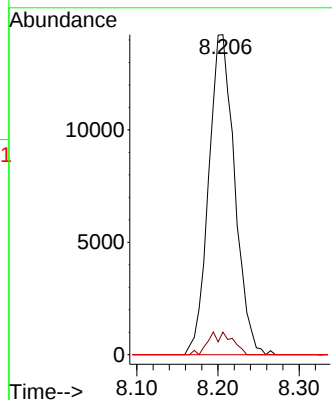
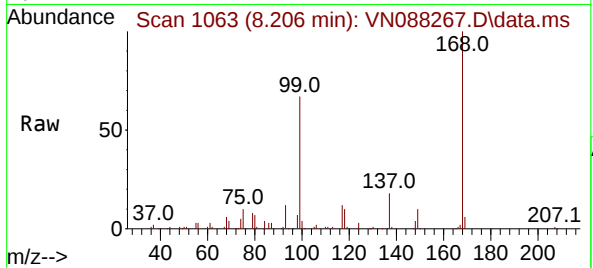




#38
Carbon Tetrachloride
Concen: 5.208 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

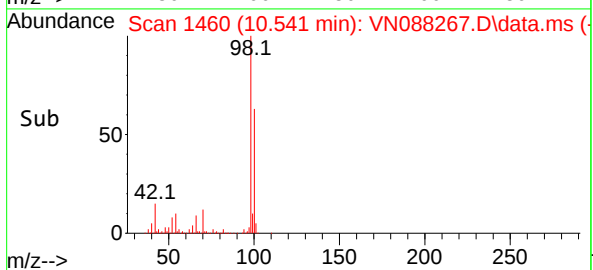
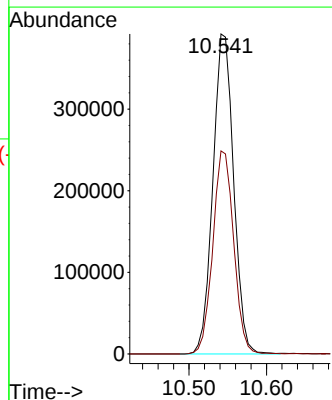
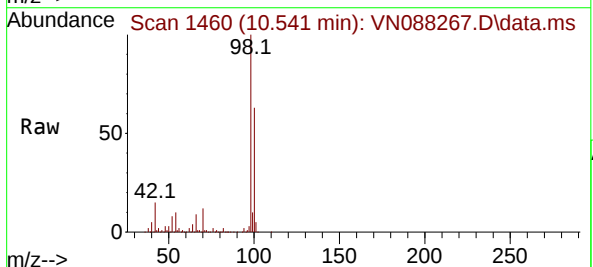
Instrument :
MSVOA_N
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VN1112WBL01

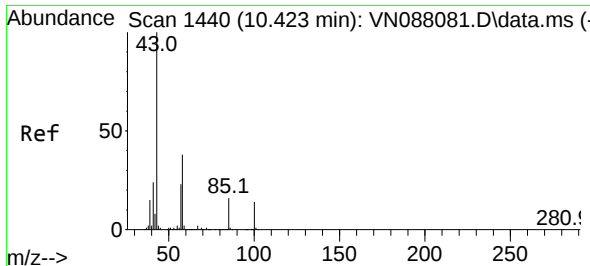
Tgt Ion:117 Resp: 31646
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 46.884 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 98 Resp: 727901
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2

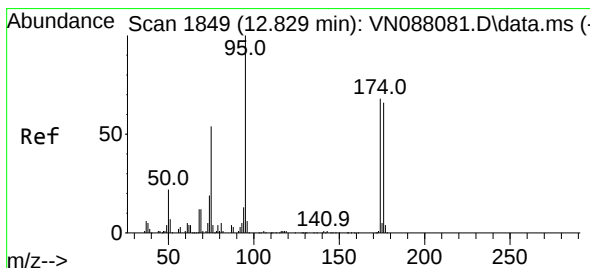
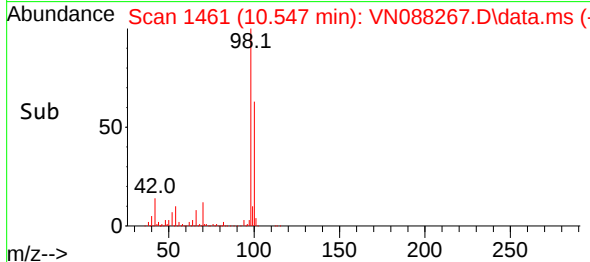
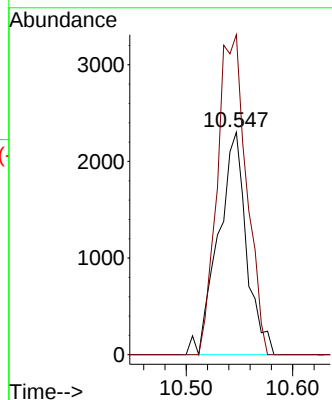
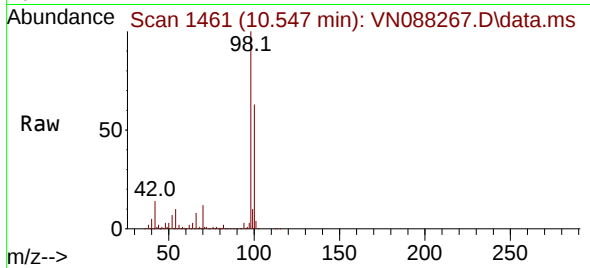




#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 10.547 min Scan# 1440
Delta R.T. 0.123 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

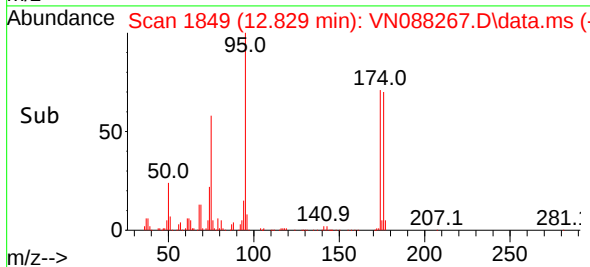
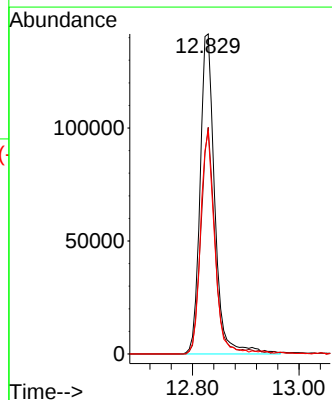
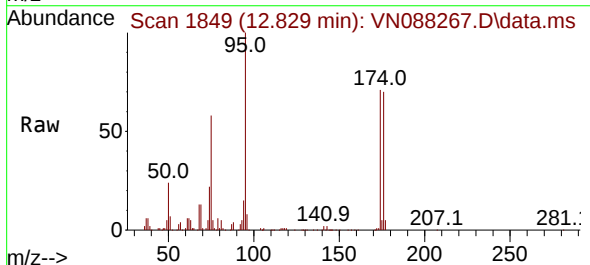
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

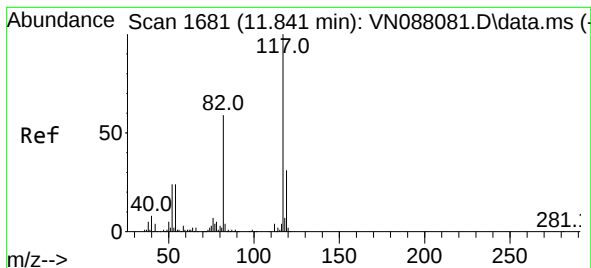
Tgt Ion: 43 Resp: 4218
Ion Ratio Lower Upper
43 100
58 149.8 29.6 44.4#



#62
4-Bromofluorobenzene
Concen: 49.520 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 95 Resp: 271520
Ion Ratio Lower Upper
95 100
174 66.5 0.0 138.4
176 66.3 0.0 132.6

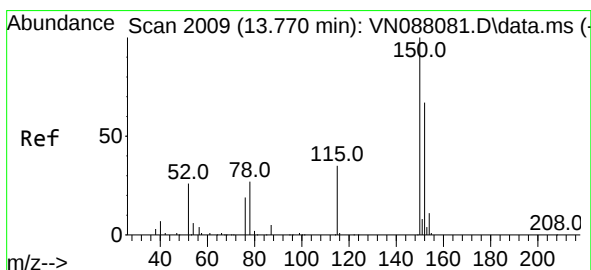
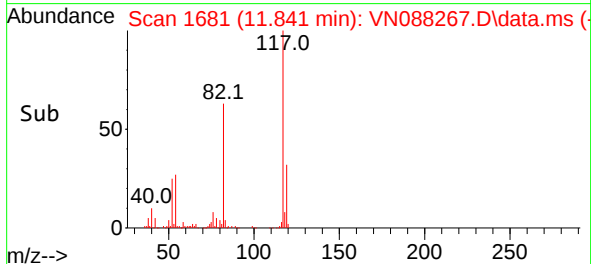
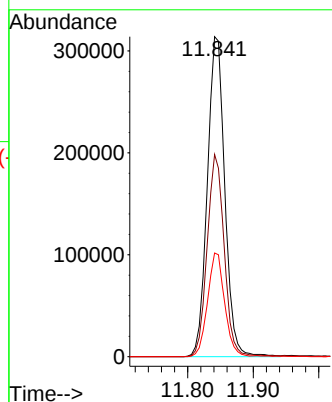
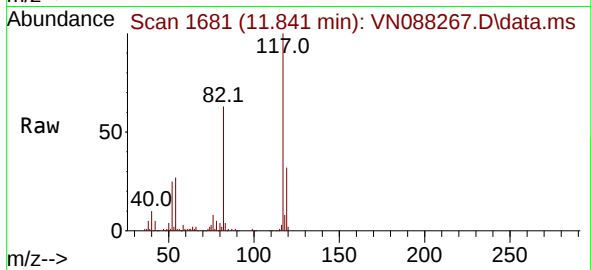




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

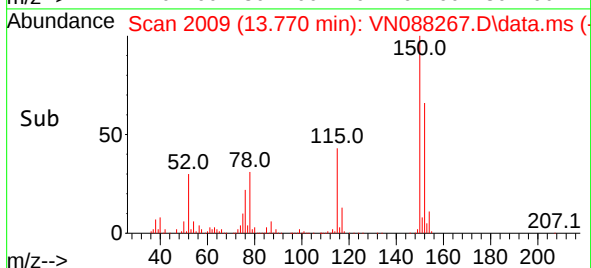
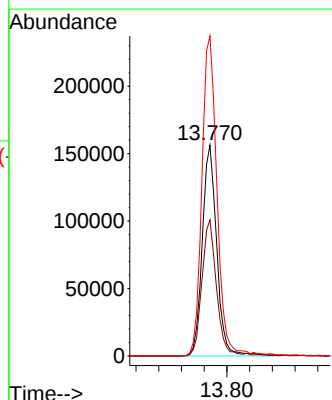
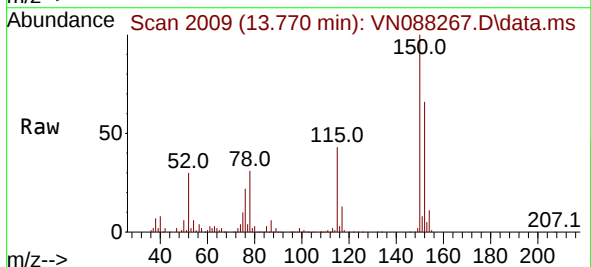
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

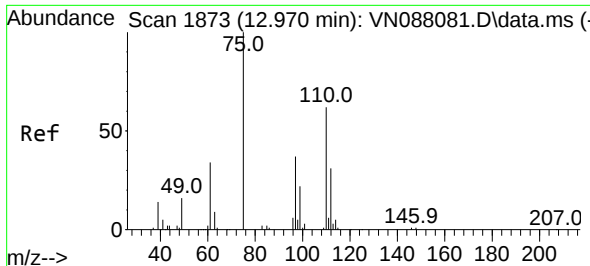
Tgt Ion:117 Resp: 582443
Ion Ratio Lower Upper
117 100
82 63.2 47.4 71.2
119 32.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion:152 Resp: 277481
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 158.3 0.0 351.0

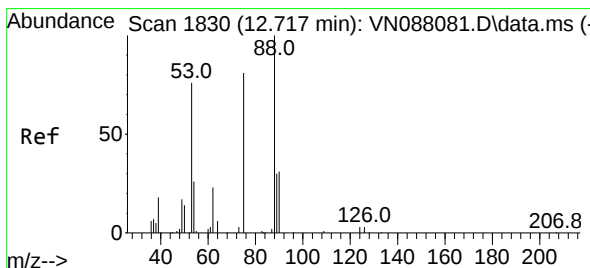
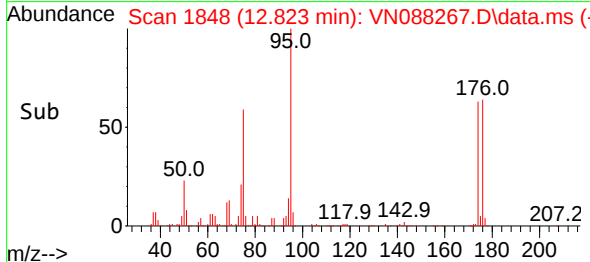
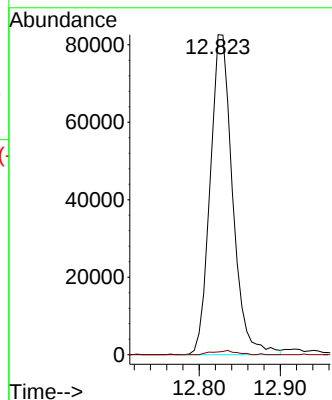
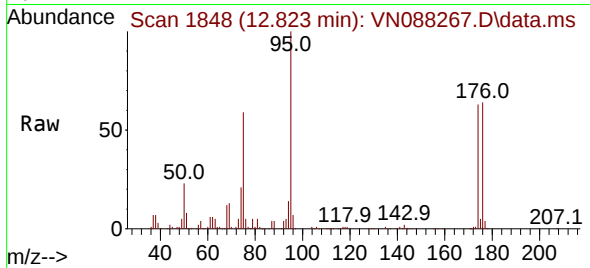




#76
1,2,3-Trichloropropane
Concen: 24.950 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

Tgt Ion: 75 Resp: 158284
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.599 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088267.D
Acq: 12 Nov 2025 11:01

Tgt Ion: 75 Resp: 158284
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

