

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087274.D
 Acq On : 03 Jul 2025 16:10
 Operator : JC\MD
 Sample : Q2487-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G1(4.5)

Quant Time: Jul 04 01:33:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

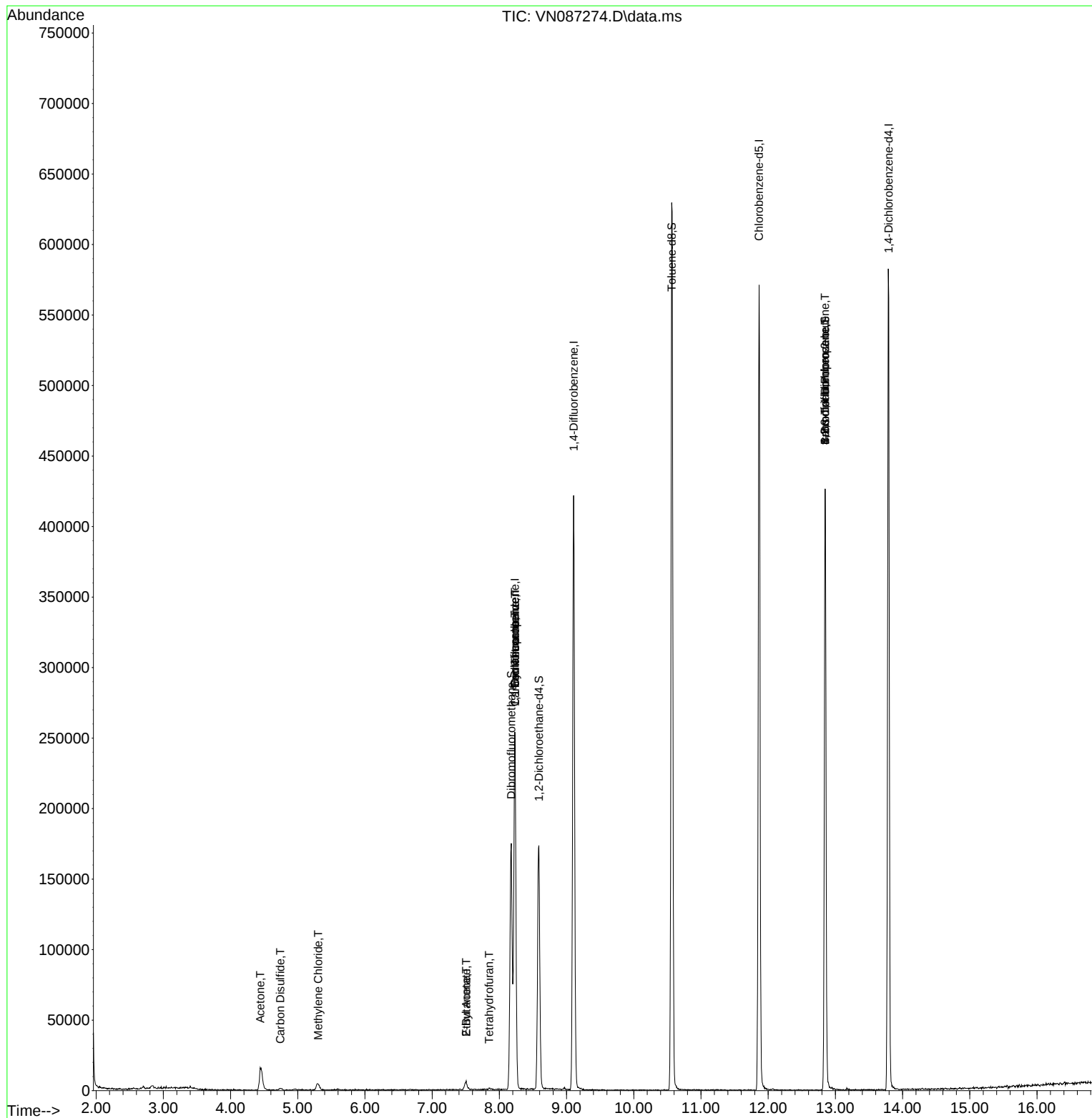
Internal Standards						
1) Pentafluorobenzene	8.230	168	196275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145016	58.869	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.740%	
35) Dibromofluoromethane	8.177	113	126518	52.094	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.180%	
50) Toluene-d8	10.565	98	460573	48.654	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.300%	
62) 4-Bromofluorobenzene	12.847	95	153736	45.643	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.280%	
Target Compounds						Qvalue
16) Acetone	4.442	43	31198	33.127	ug/l	98
17) Carbon Disulfide	4.742	76	1984	0.362	ug/l #	76
20) Methylene Chloride	5.306	84	4614	2.212	ug/l	88
25) 2-Butanone	7.506	43	9368	6.365	ug/l #	84
29) Tetrahydrofuran	7.847	42	363	0.383	ug/l #	63
31) Cyclohexane	8.230	56	3525	1.051	ug/l #	37
36) 1,1-Dichloropropene	8.235	75	14450	4.375	ug/l #	48
37) Ethyl Acetate	7.506	43	9368	2.639	ug/l #	67
38) Carbon Tetrachloride	8.235	117	19614	5.241	ug/l #	16
71) Bromoform	12.847	173	1144	0.535	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74868	22.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74868	53.427	ug/l #	14

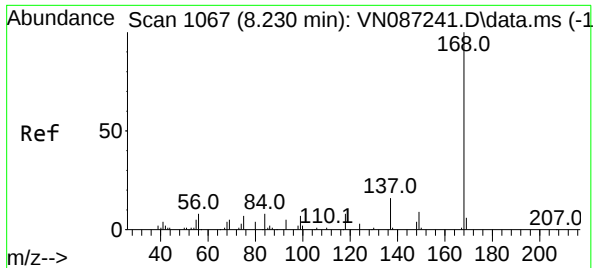
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

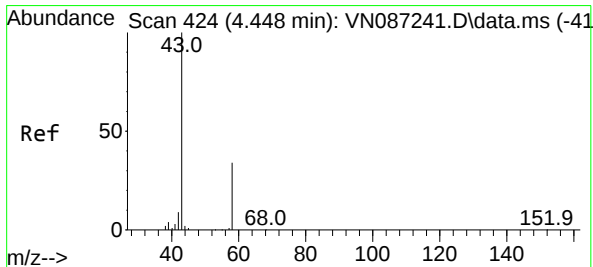
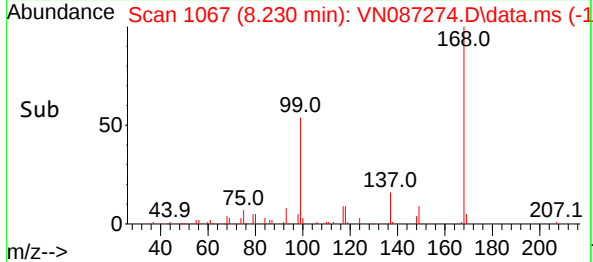
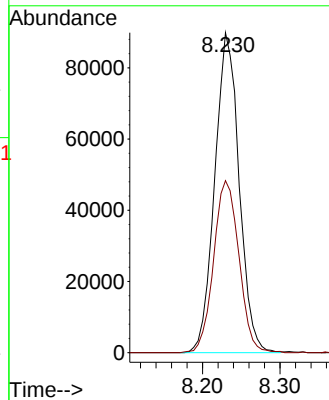
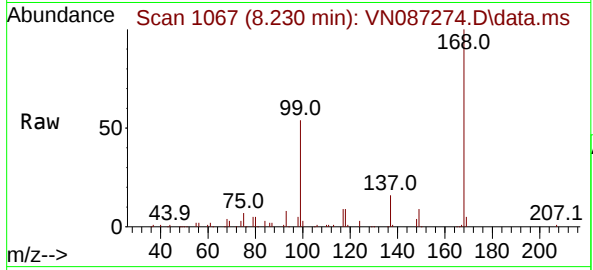




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

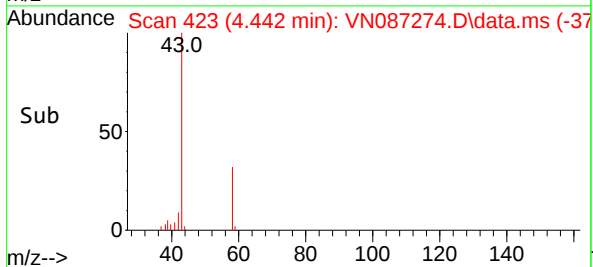
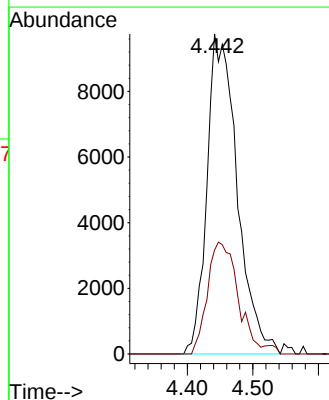
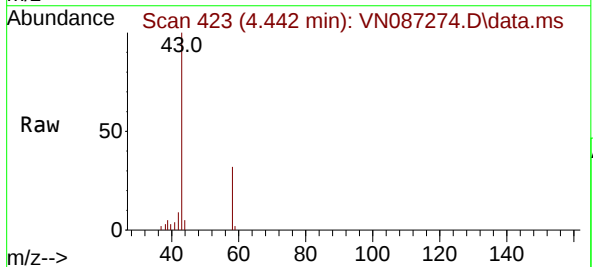
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

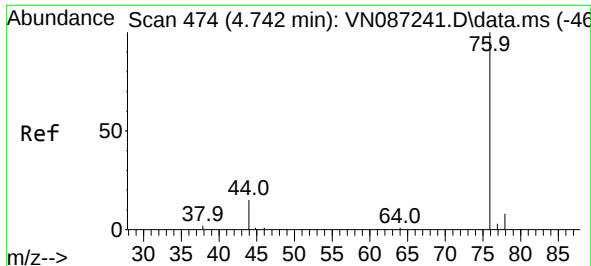
Tgt Ion:168 Resp: 196275
Ion Ratio Lower Upper
168 100
99 53.7 42.6 64.0



#16
Acetone
Concen: 33.127 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

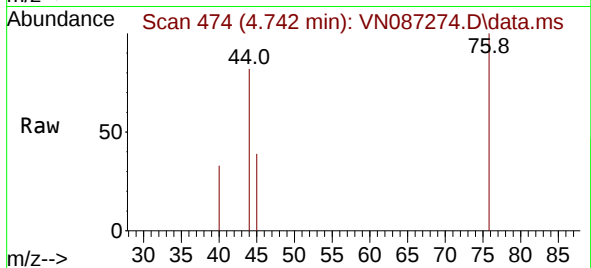
Tgt Ion: 43 Resp: 31198
Ion Ratio Lower Upper
43 100
58 32.5 27.1 40.7



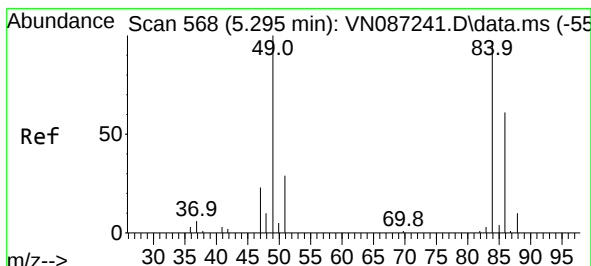
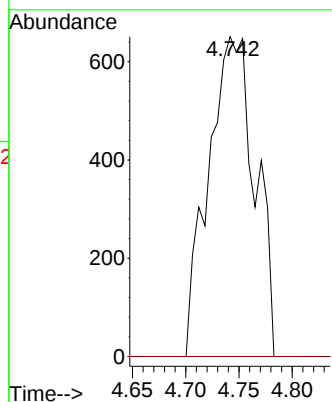
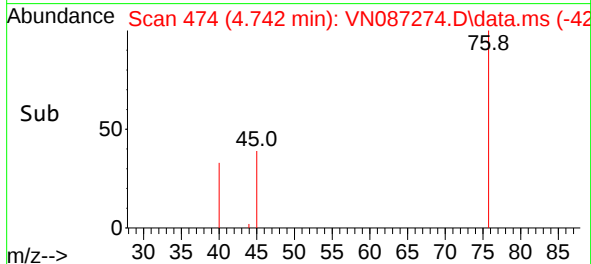


#17
Carbon Disulfide
Concen: 0.362 ug/l
RT: 4.742 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

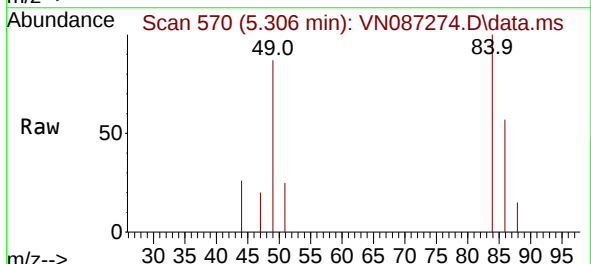
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)



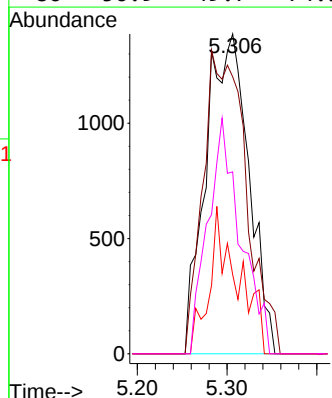
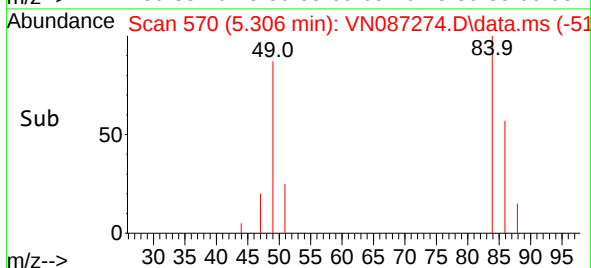
Tgt Ion: 76 Resp: 1984
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

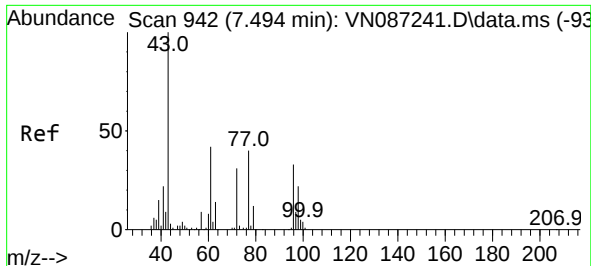


#20
Methylene Chloride
Concen: 2.212 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10



Tgt Ion: 84 Resp: 4614
Ion Ratio Lower Upper
84 100
49 86.6 82.1 123.1
51 24.8 23.5 35.3
86 56.9 49.7 74.5

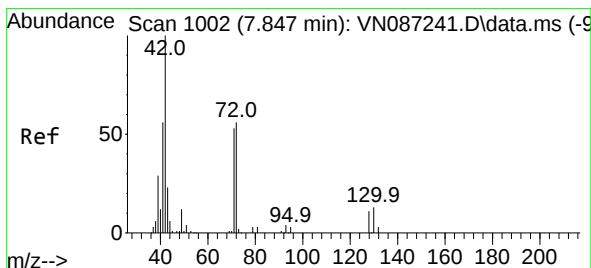
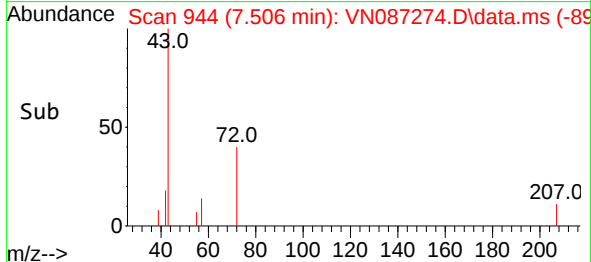
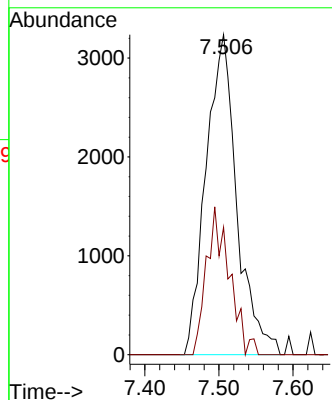
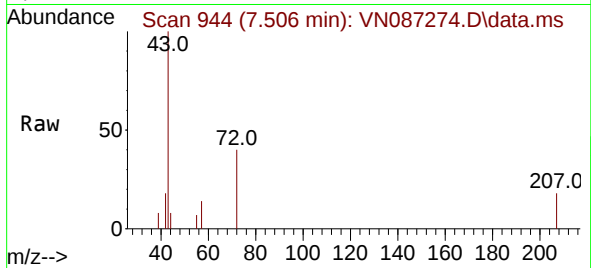




#25
2-Butanone
Concen: 6.365 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

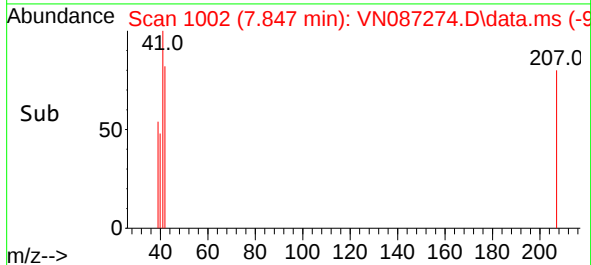
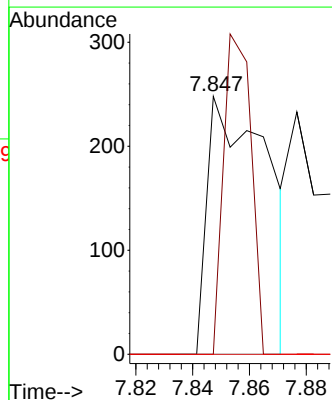
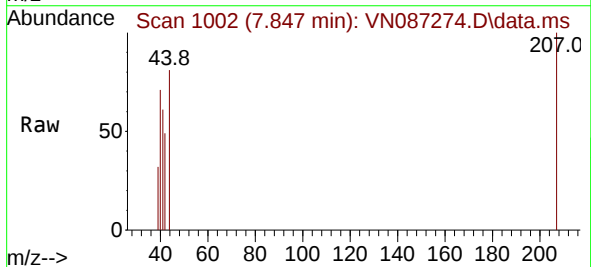
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

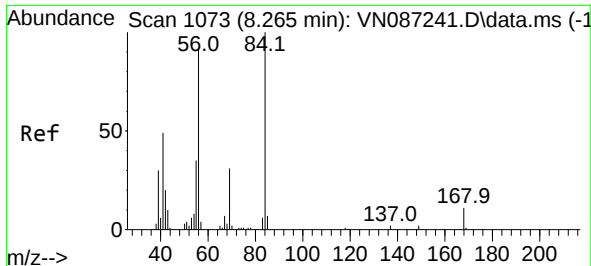
Tgt Ion: 43 Resp: 9368
Ion Ratio Lower Upper
43 100
72 39.8 24.8 37.2#



#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

Tgt Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 57.3 44.2 66.4
71 0.0 41.1 61.7#

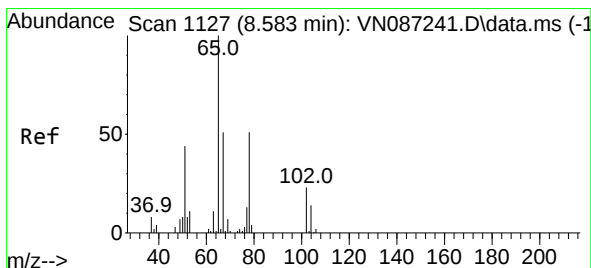
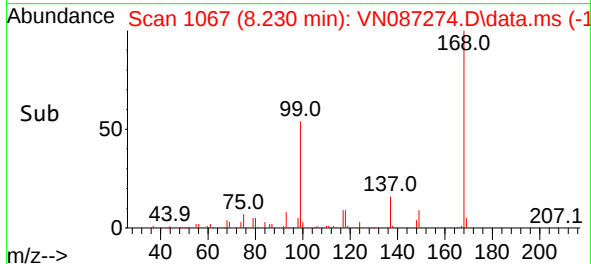
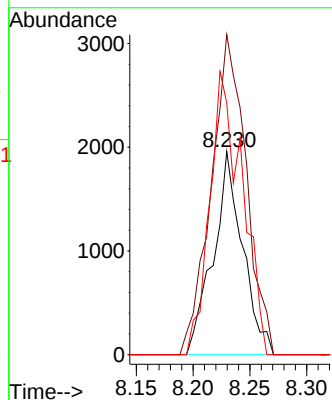
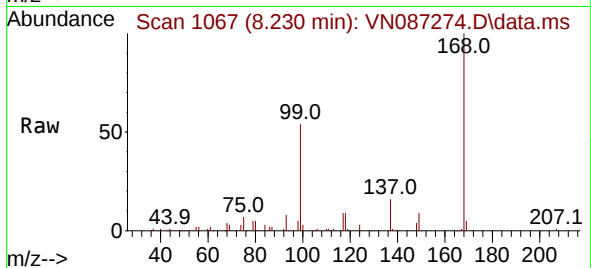




#31
Cyclohexane
Concen: 1.051 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.035 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

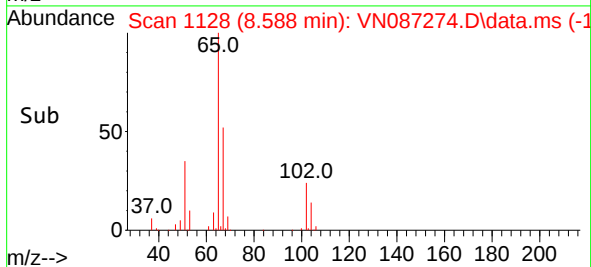
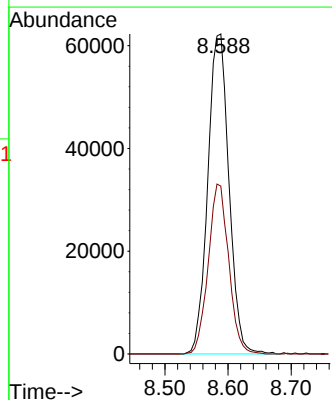
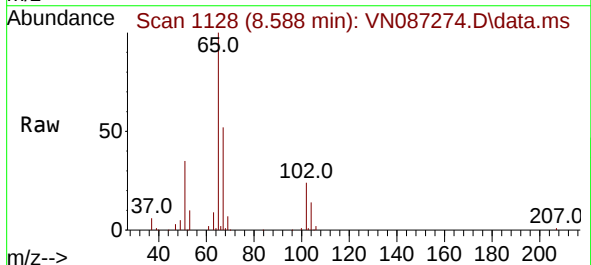
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

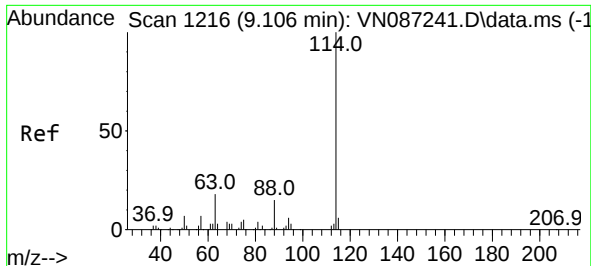
Tgt Ion: 56 Resp: 3525
Ion Ratio Lower Upper
56 100
69 157.5 27.0 40.6#
84 123.8 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 58.869 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

Tgt Ion: 65 Resp: 145016
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6

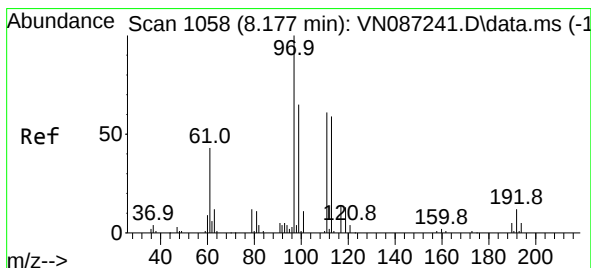
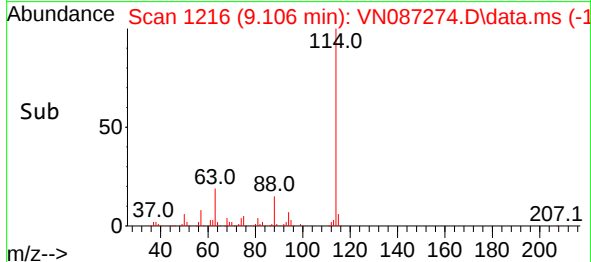
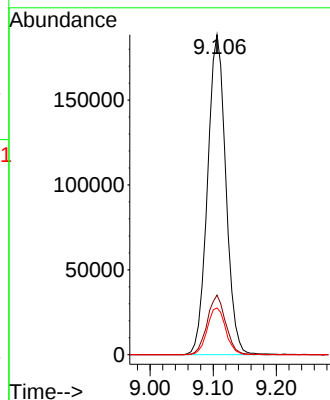
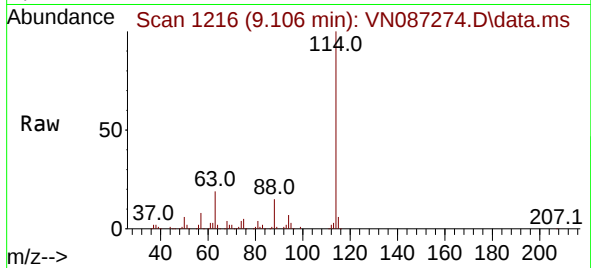




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

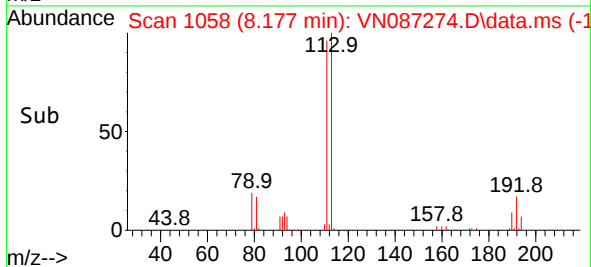
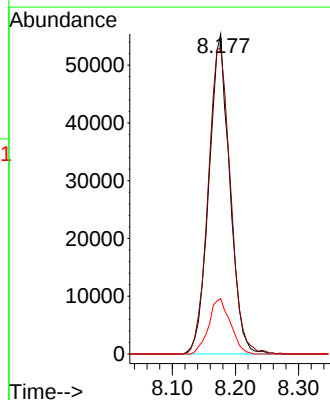
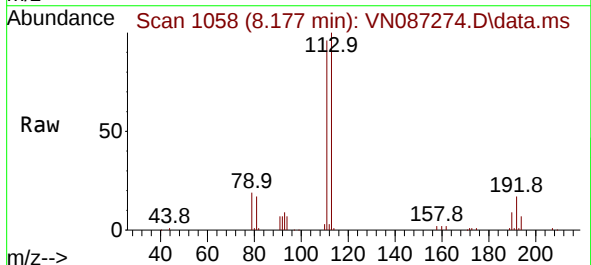
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

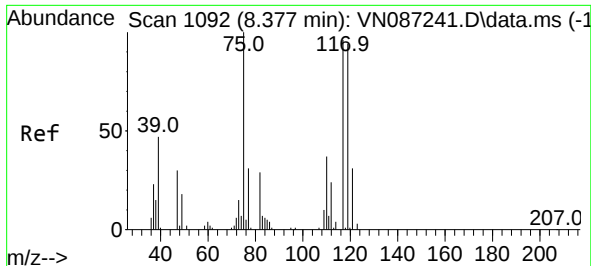
Tgt Ion:114 Resp: 379292
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.6
88 14.6 0.0 29.6



#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

Tgt Ion:113 Resp: 126518
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 17.9 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.375 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087274.D

Acq: 03 Jul 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

G1(4.5)

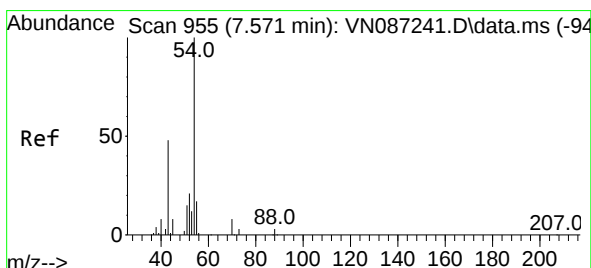
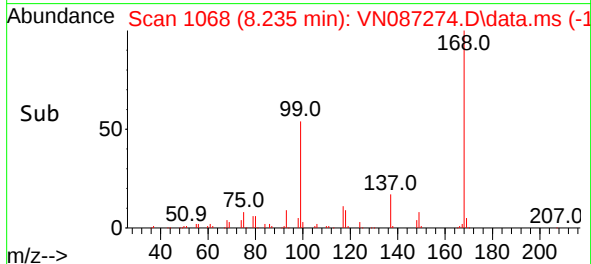
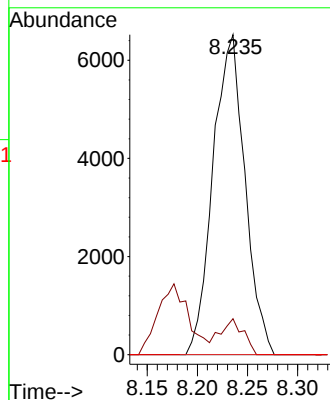
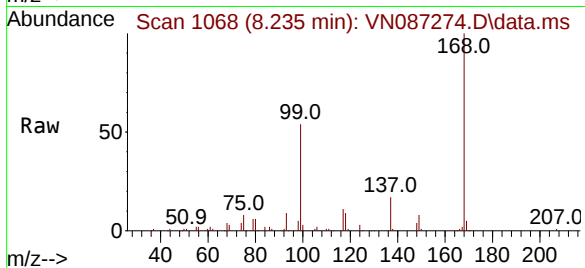
Tgt Ion: 75 Resp: 14450

Ion Ratio Lower Upper

75 100

110 8.2 18.7 56.1#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 2.639 ug/l

RT: 7.506 min Scan# 944

Delta R.T. -0.065 min

Lab File: VN087274.D

Acq: 03 Jul 2025 16:10

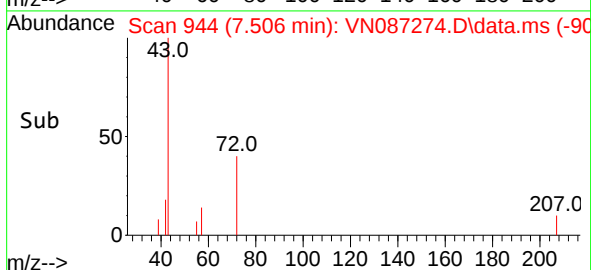
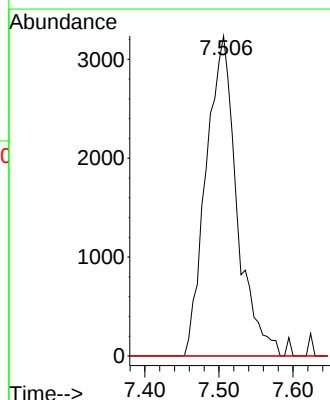
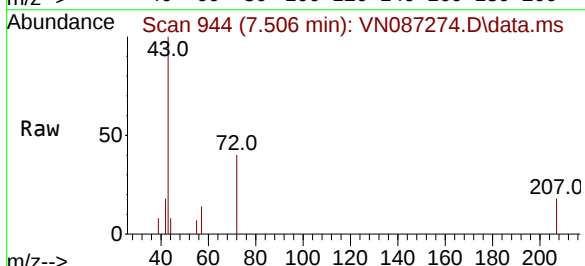
Tgt Ion: 43 Resp: 9368

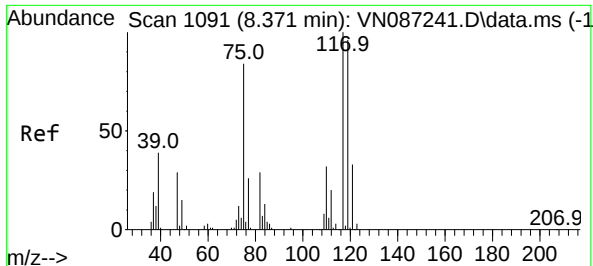
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 9.9 14.9#

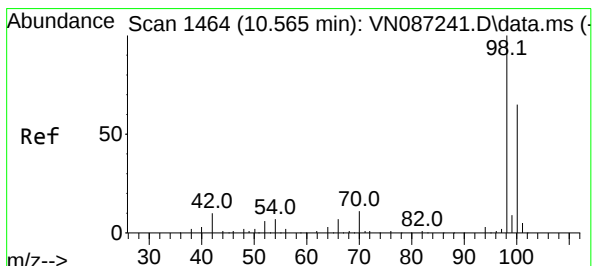
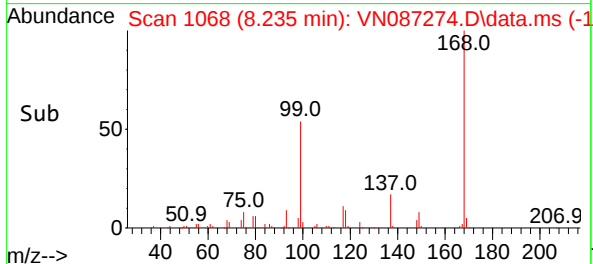
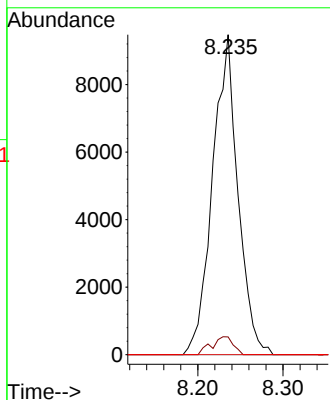
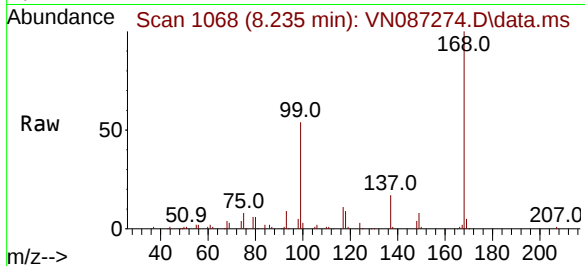




#38
Carbon Tetrachloride
Concen: 5.241 ug/l
RT: 8.235 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

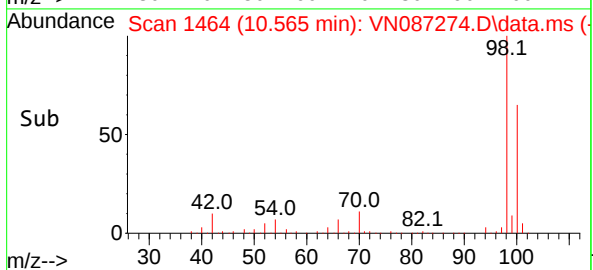
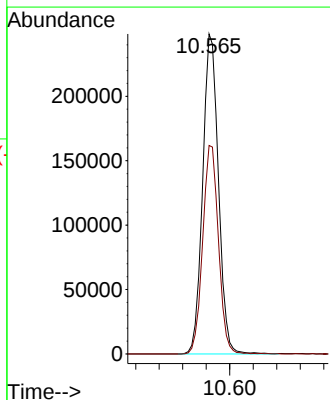
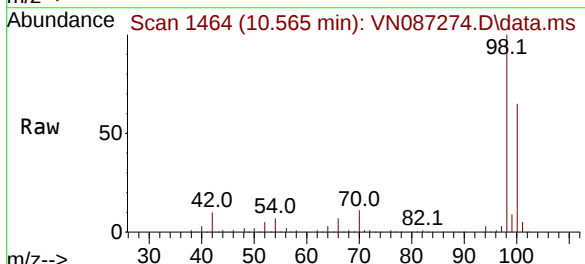
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

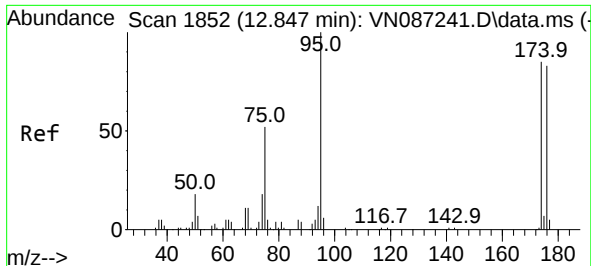
Tgt Ion:117 Resp: 19614
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 48.654 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

Tgt Ion: 98 Resp: 460573
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

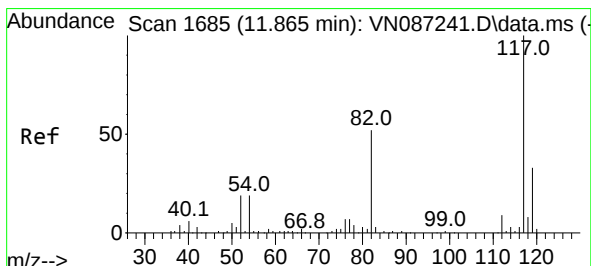
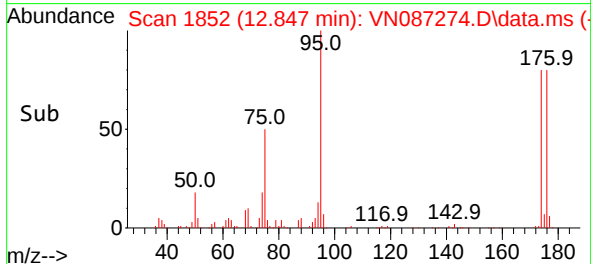
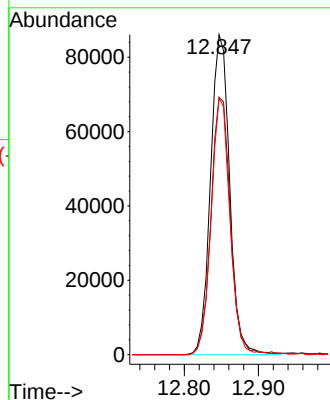
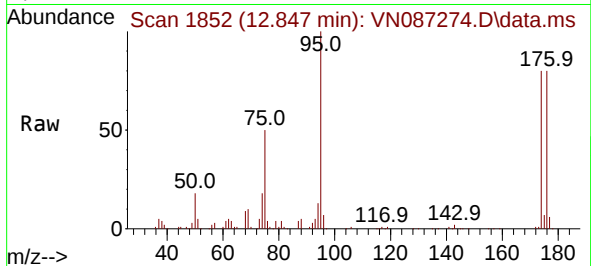




#62
4-Bromofluorobenzene
Concen: 45.643 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

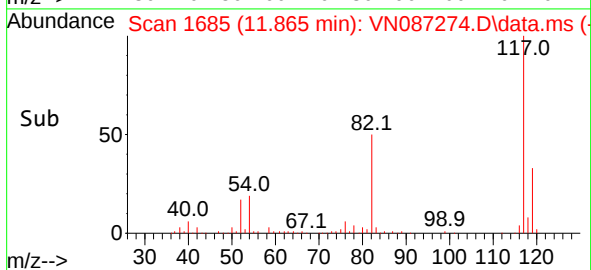
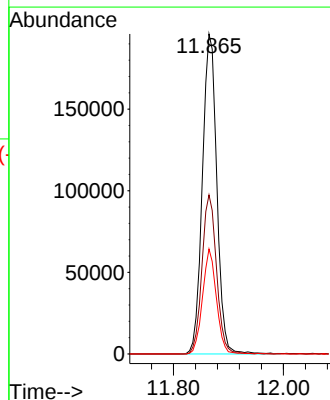
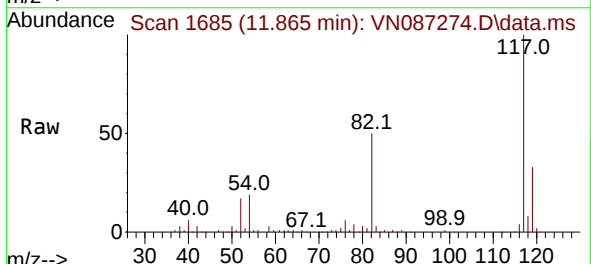
Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

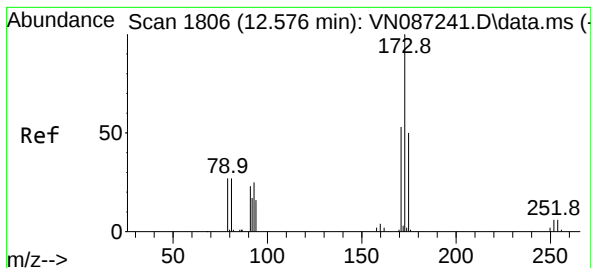
Tgt Ion: 95 Resp: 153736
Ion Ratio Lower Upper
95 100
174 81.5 0.0 169.6
176 79.4 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087274.D
Acq: 03 Jul 2025 16:10

Tgt Ion: 117 Resp: 357955
Ion Ratio Lower Upper
117 100
82 49.7 41.9 62.9
119 32.8 26.2 39.4





#71

Bromoform

Concen: 0.535 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN087274.D

Acq: 03 Jul 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

G1(4.5)

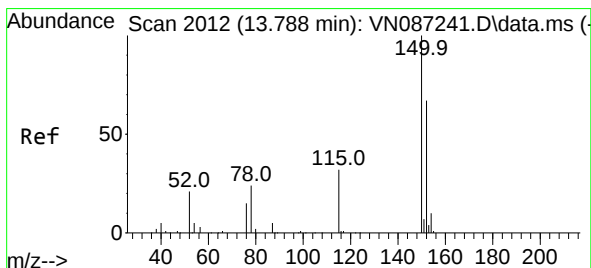
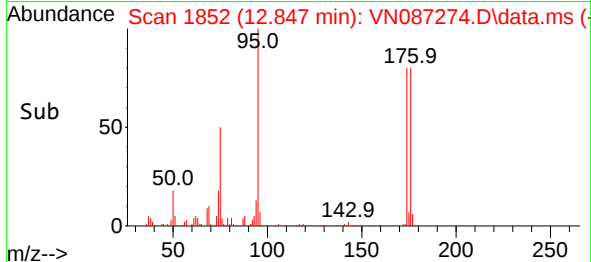
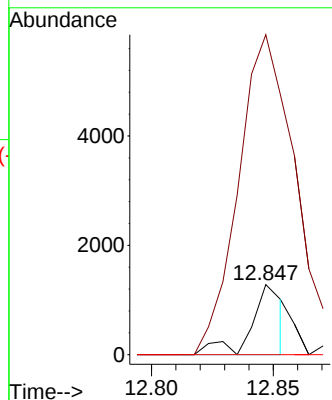
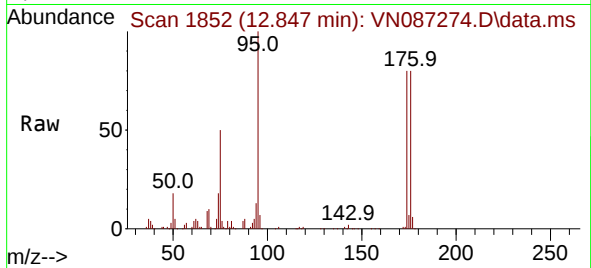
Tgt Ion:173 Resp: 1144

Ion Ratio Lower Upper

173 100

175 632.8 24.6 73.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN087274.D

Acq: 03 Jul 2025 16:10

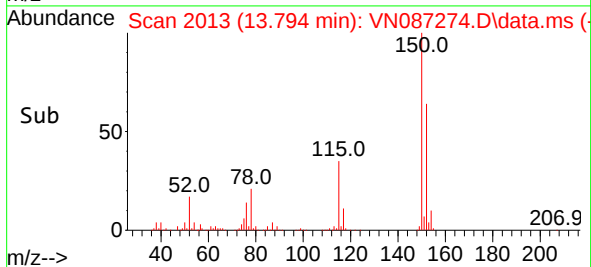
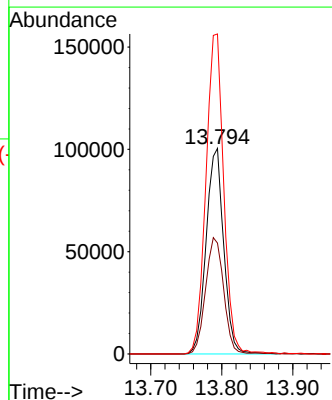
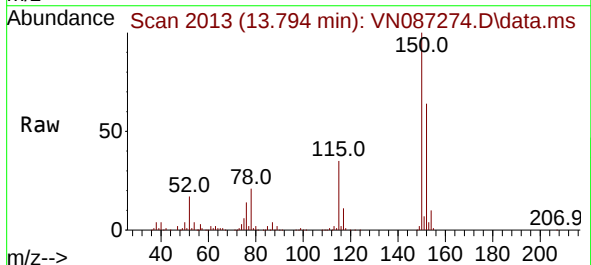
Tgt Ion:152 Resp: 173051

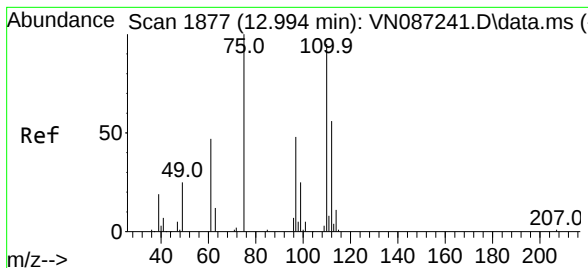
Ion Ratio Lower Upper

152 100

115 58.5 28.3 84.9

150 157.6 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 22.745 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087274.D

Acq: 03 Jul 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

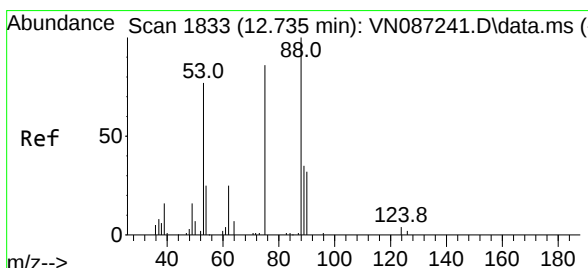
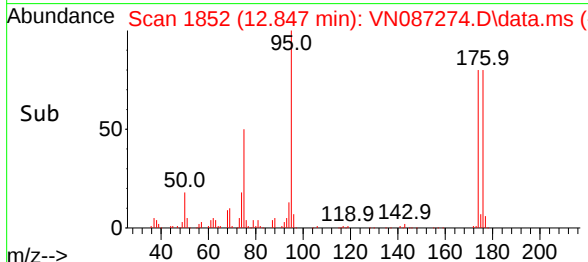
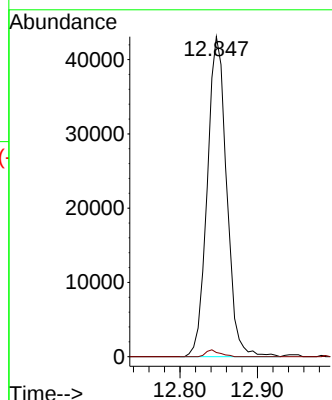
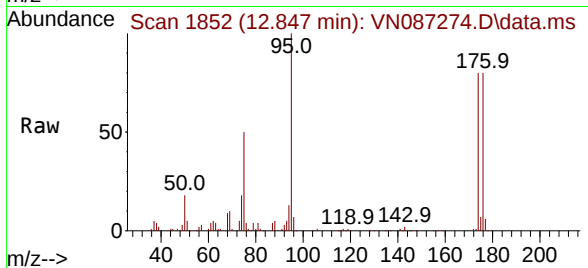
G1(4.5)

Tgt Ion: 75 Resp: 74868

Ion Ratio Lower Upper

75 100

77 1.5 82.0 245.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.427 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087274.D

Acq: 03 Jul 2025 16:10

Tgt Ion: 75 Resp: 74868

Ion Ratio Lower Upper

75 100

53 0.0 70.6 105.8#

89 0.0 36.1 54.1#

