

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087267.D
 Acq On : 03 Jul 2025 13:42
 Operator : JC\MD
 Sample : Q2487-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G4(1.5)

Quant Time: Jul 04 01:31:04 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)

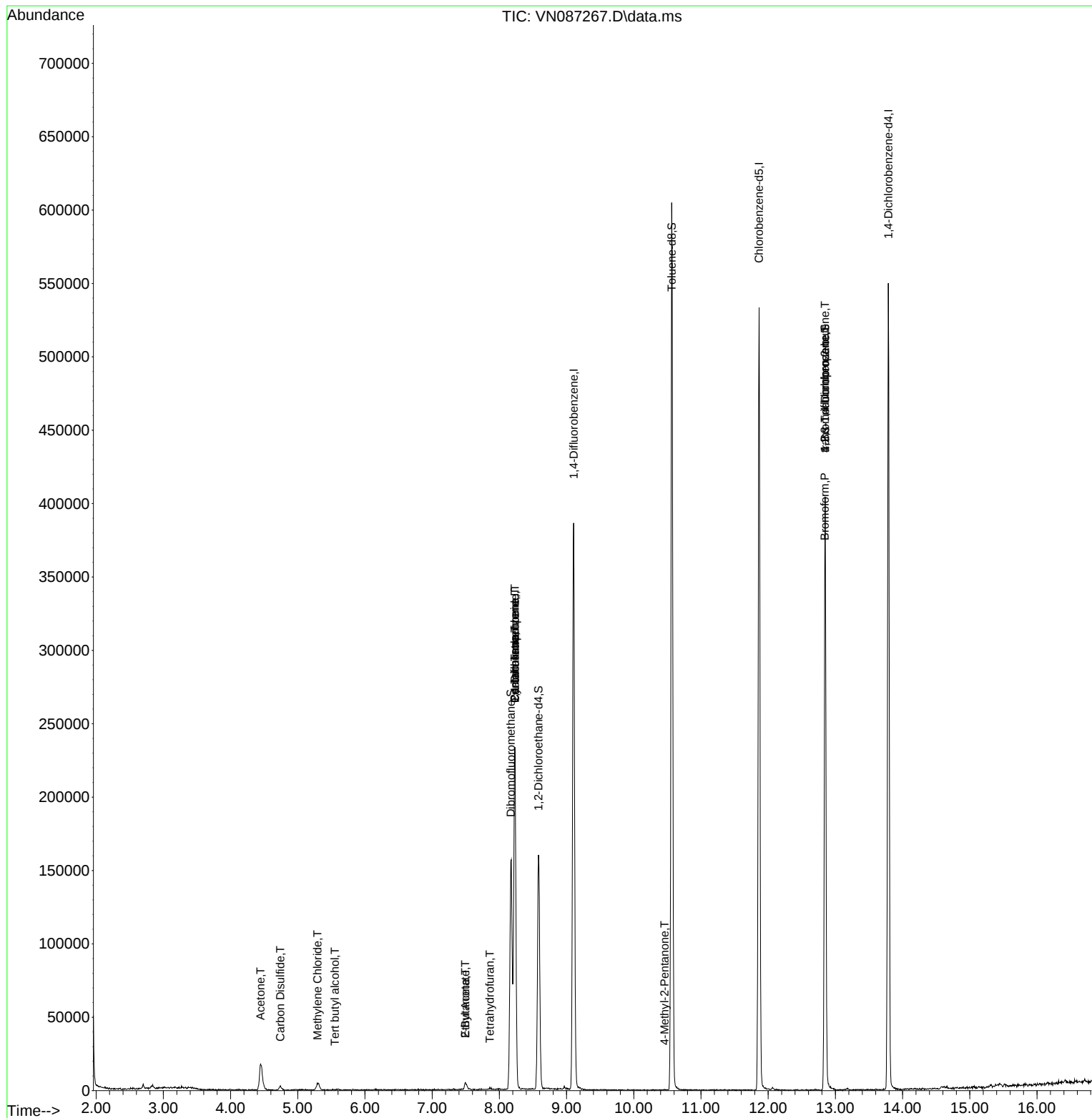
Internal Standards						
1) Pentafluorobenzene	8.229	168	184391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	352009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134872	58.280	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.560%	
35) Dibromofluoromethane	8.171	113	116470	51.674	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.340%	
50) Toluene-d8	10.565	98	430068	48.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.847	95	145859	46.661	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	121	0.287	ug/l #	72
16) Acetone	4.447	43	36113	40.817	ug/l	96
17) Carbon Disulfide	4.741	76	5392	1.048	ug/l #	93
20) Methylene Chloride	5.294	84	2241	1.143	ug/l #	88
25) 2-Butanone	7.494	43	8161	5.902	ug/l	95
29) Tetrahydrofuran	7.859	42	594	0.667	ug/l #	25
31) Cyclohexane	8.229	56	3625	1.150	ug/l #	51
36) 1,1-Dichloropropene	8.229	75	13412	4.376	ug/l #	48
37) Ethyl Acetate	7.494	43	8161	2.477	ug/l #	67
38) Carbon Tetrachloride	8.229	117	18143	5.224	ug/l #	17
51) 4-Methyl-2-Pentanone	10.459	43	813	0.260	ug/l #	33
71) Bromoform	12.841	173	1104	0.566	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70673	23.525	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70673	55.258	ug/l #	14

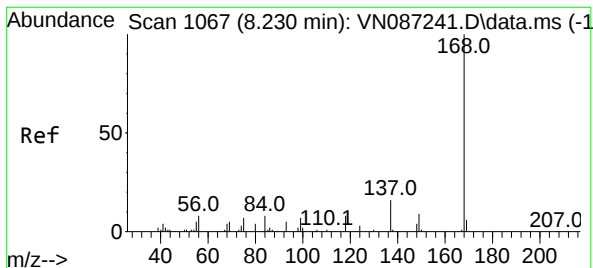
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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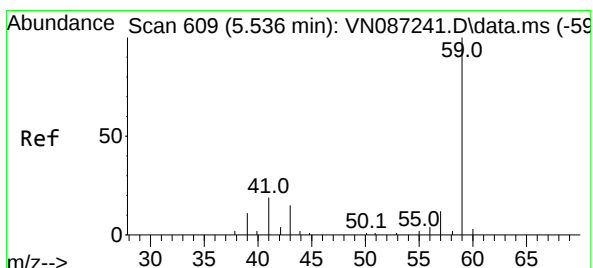
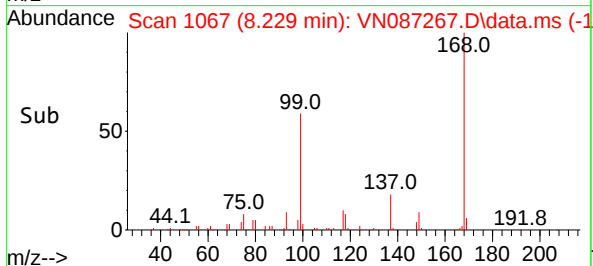
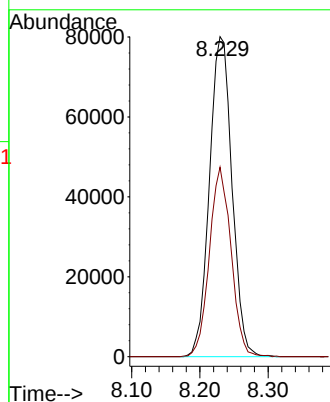
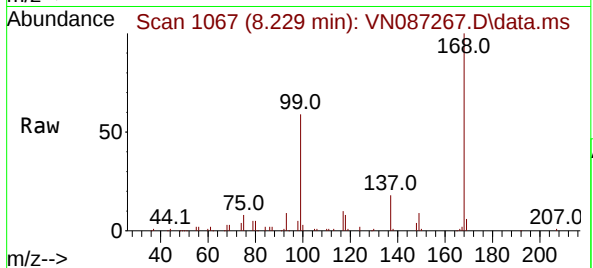




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

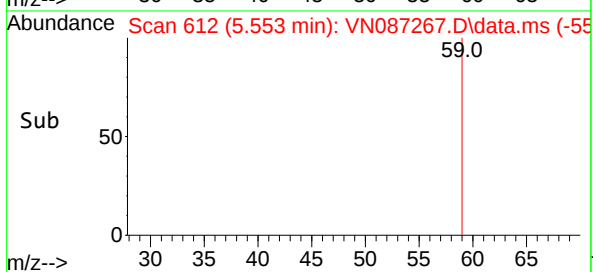
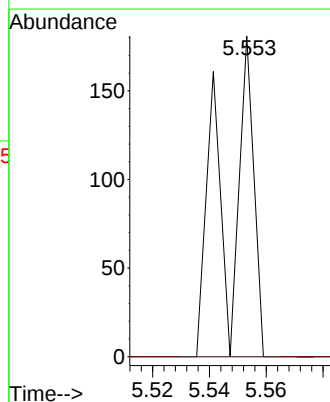
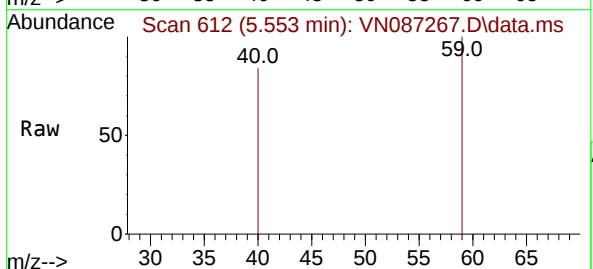
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

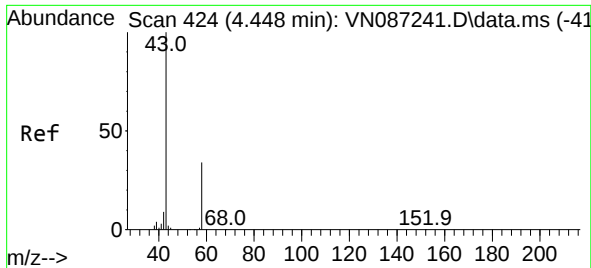
Tgt Ion:168 Resp: 184391
Ion Ratio Lower Upper
168 100
99 59.2 42.6 64.0



#11
Tert butyl alcohol
Concen: 0.287 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.017 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 40.817 ug/l

RT: 4.447 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

Instrument :

MSVOA_N

ClientSampleId :

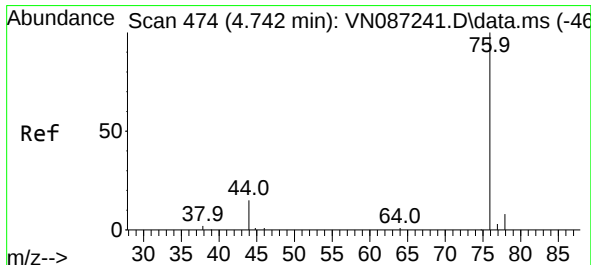
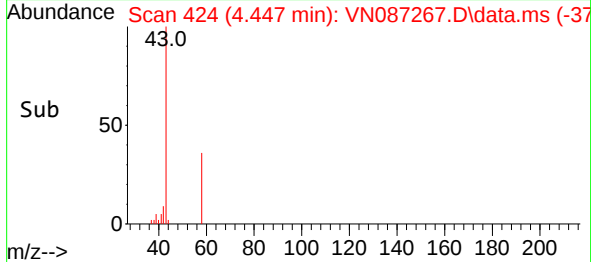
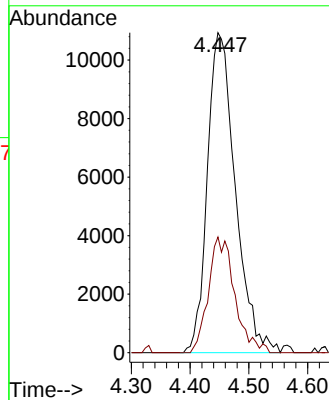
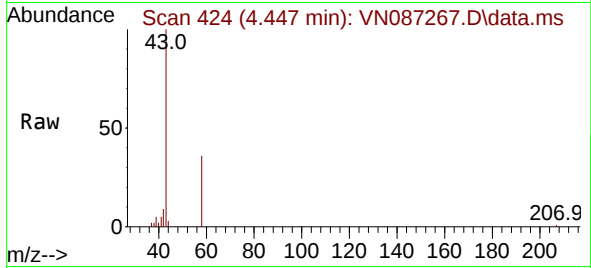
G4(1.5)

Tgt Ion: 43 Resp: 36113

Ion Ratio Lower Upper

43 100

58 36.2 27.1 40.7



#17

Carbon Disulfide

Concen: 1.048 ug/l

RT: 4.741 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN087267.D

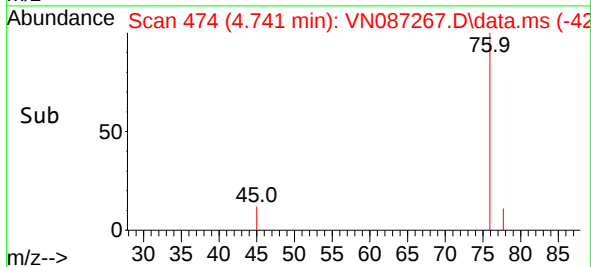
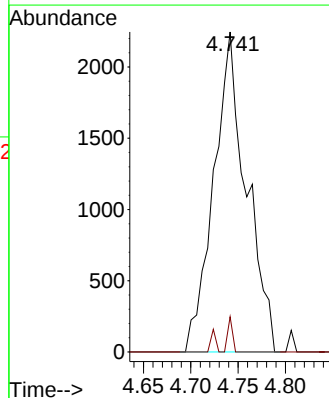
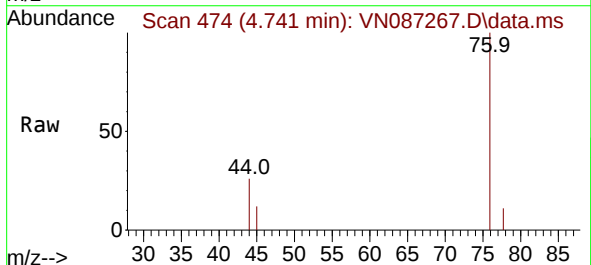
Acq: 03 Jul 2025 13:42

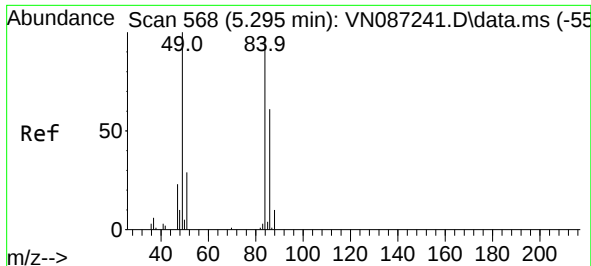
Tgt Ion: 76 Resp: 5392

Ion Ratio Lower Upper

76 100

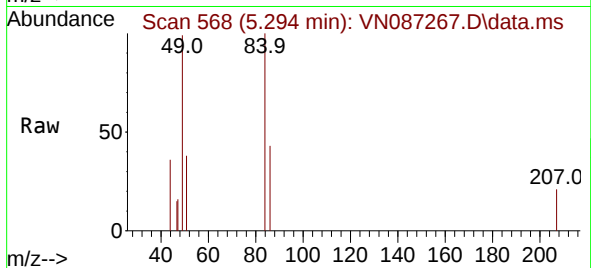
78 11.0 6.8 10.2#





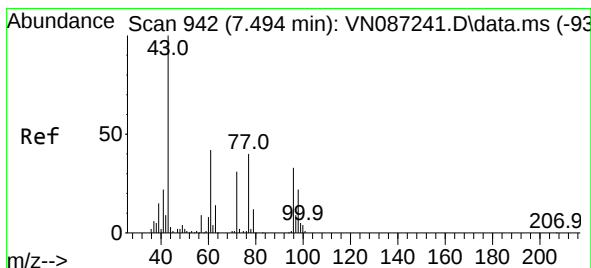
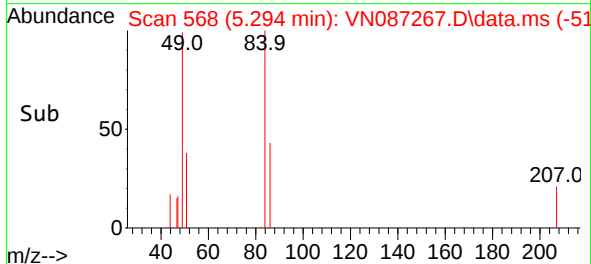
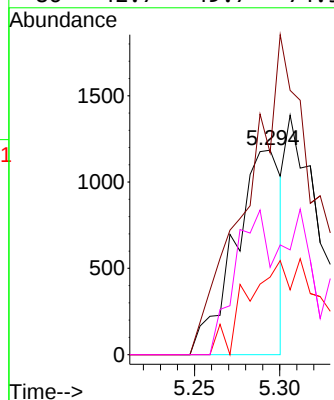
#20
Methylene Chloride
Concen: 1.143 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)



Tgt Ion: 84 Resp: 2241

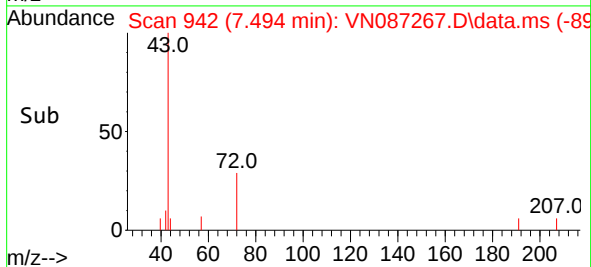
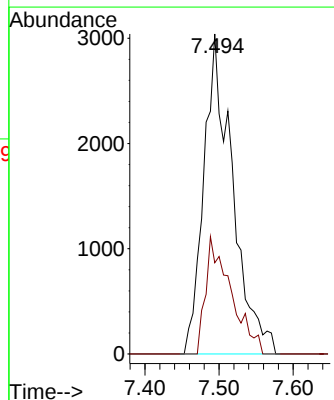
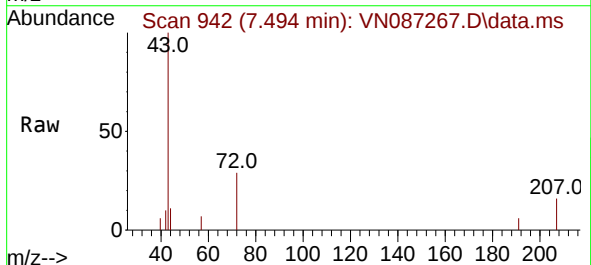
Ion	Ratio	Lower	Upper
84	100		
49	98.7	82.1	123.1
51	37.9	23.5	35.3#
86	42.7	49.7	74.5#

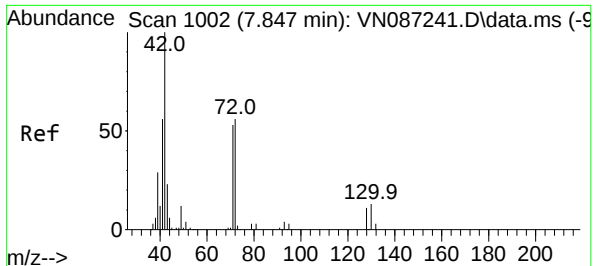


#25
2-Butanone
Concen: 5.902 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Tgt Ion: 43 Resp: 8161

Ion	Ratio	Lower	Upper
43	100		
72	28.5	24.8	37.2





#29

Tetrahydrofuran

Concen: 0.667 ug/l

RT: 7.859 min Scan# 1067

Delta R.T. 0.012 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

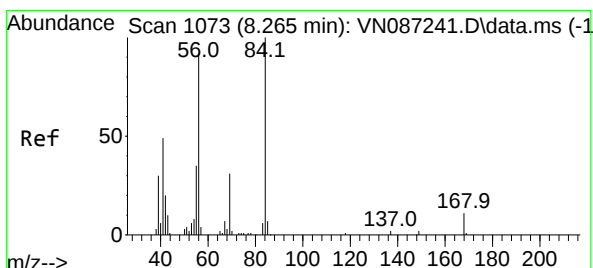
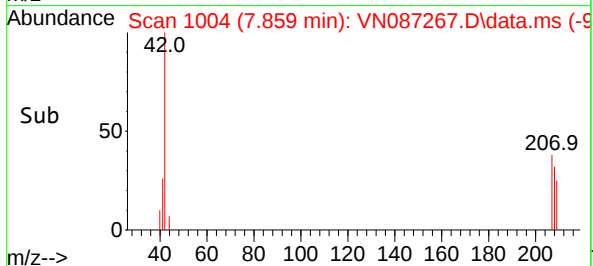
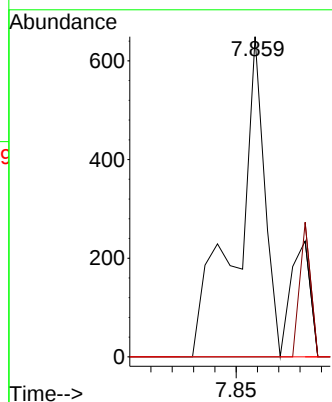
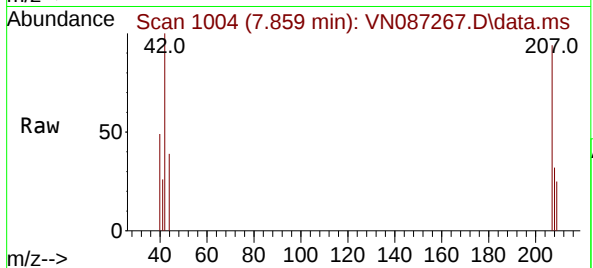
Instrument :

MSVOA_N

ClientSampleId :

G4(1.5)

Tgt Ion: 42	Resp: 594
Ion Ratio	Lower Upper
42 100	
72 0.0	44.2 66.4#
71 0.0	41.1 61.7#



#31

Cyclohexane

Concen: 1.150 ug/l

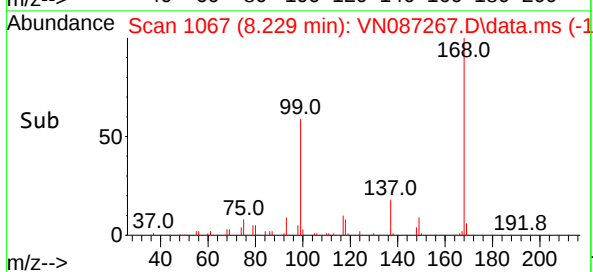
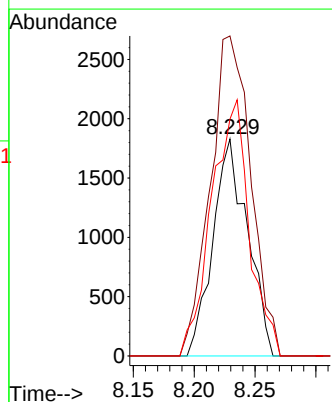
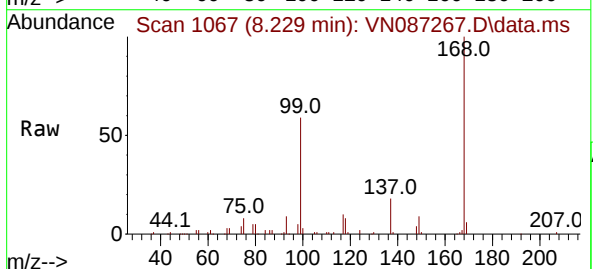
RT: 8.229 min Scan# 1067

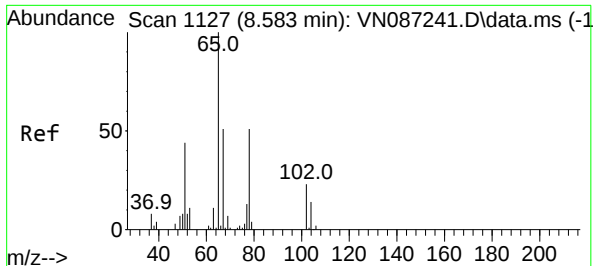
Delta R.T. -0.036 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

Tgt Ion: 56	Resp: 3625
Ion Ratio	Lower Upper
56 100	
69 147.5	27.0 40.6#
84 109.2	86.2 129.4





#33

1,2-Dichloroethane-d4

Concen: 58.280 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

Instrument :

MSVOA_N

ClientSampleId :

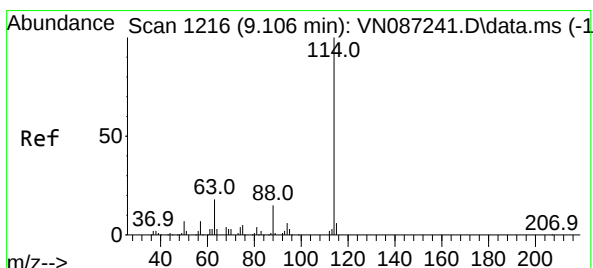
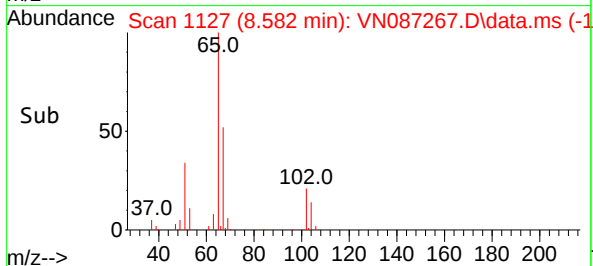
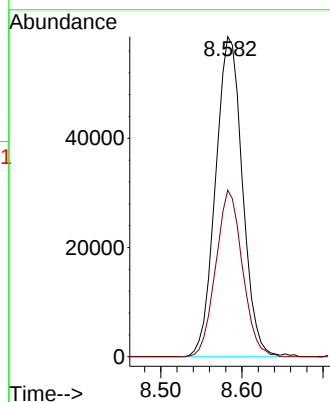
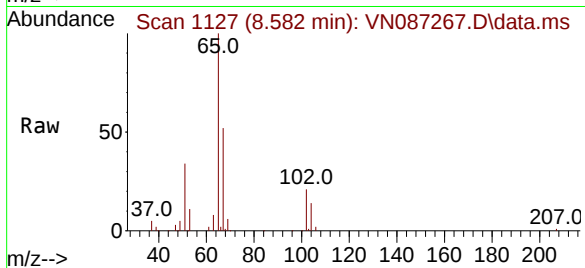
G4(1.5)

Tgt Ion: 65 Resp: 134872

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

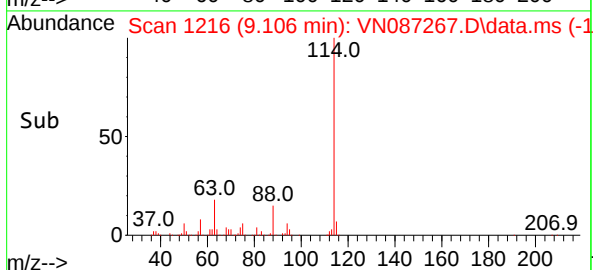
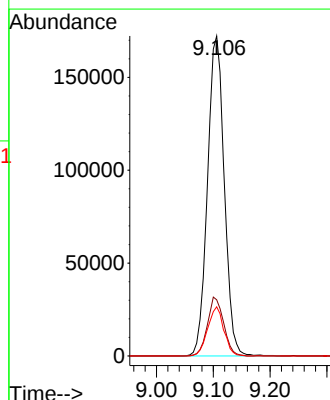
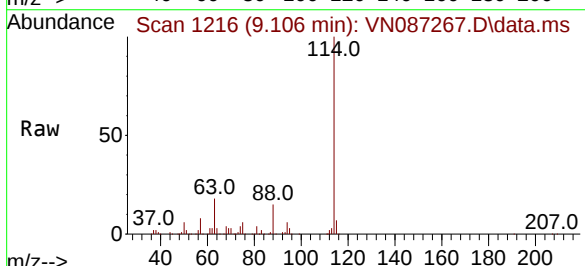
Tgt Ion: 114 Resp: 352009

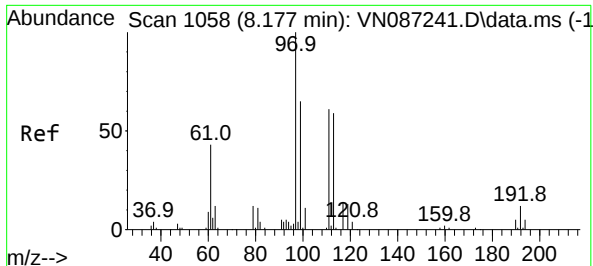
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.4 0.0 29.6

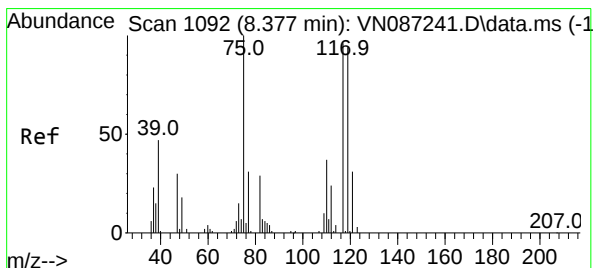
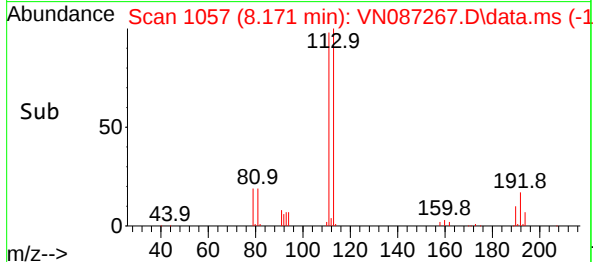
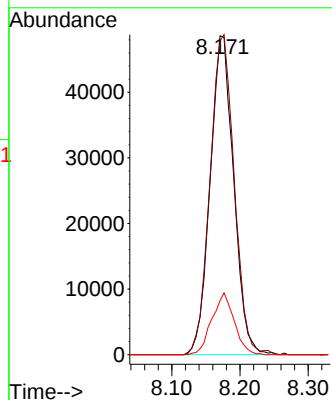
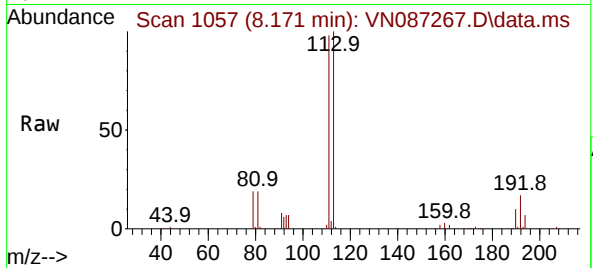




#35
Dibromofluoromethane
Concen: 51.674 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

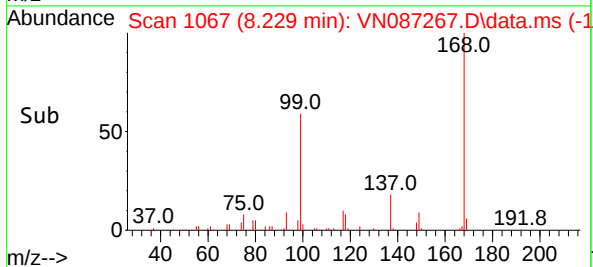
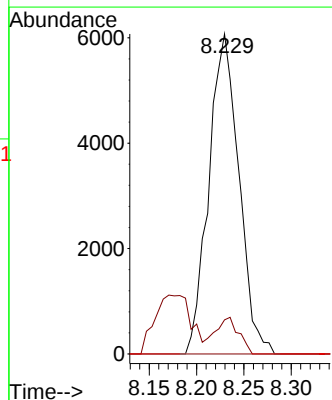
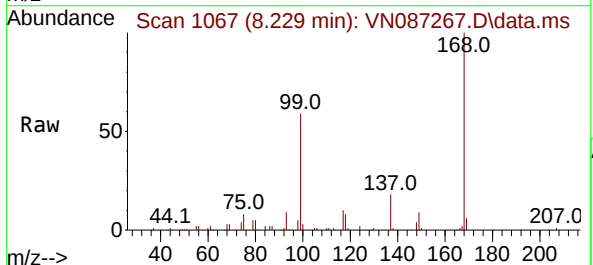
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G4(1.5)

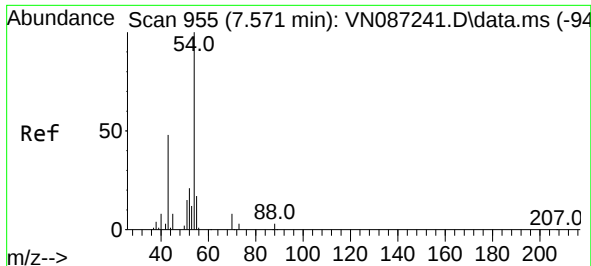
Tgt Ion:113 Resp: 116470
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.2
192 18.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.376 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Tgt Ion: 75 Resp: 13412
Ion Ratio Lower Upper
75 100
110 8.4 18.7 56.1#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 2.477 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.077 min

Lab File: VN087267.D

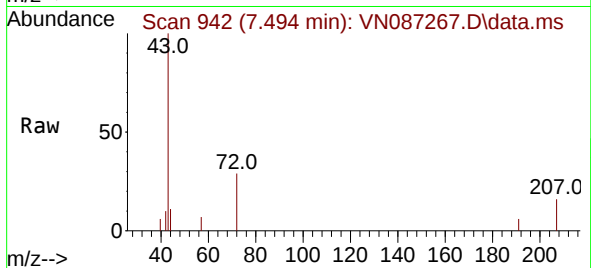
Acq: 03 Jul 2025 13:42

Instrument :

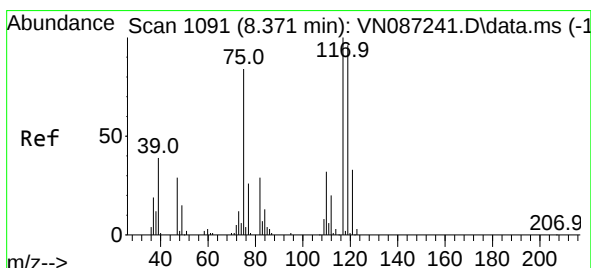
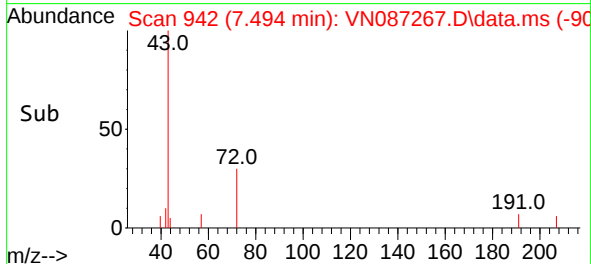
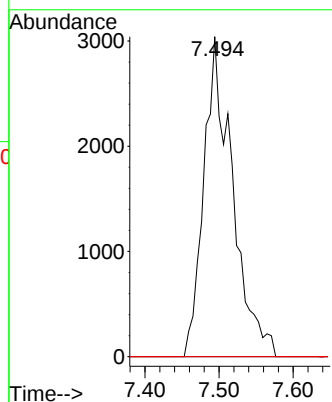
MSVOA_N

ClientSampleId :

G4(1.5)



Tgt Ion:	43	Resp:	8161
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 5.224 ug/l

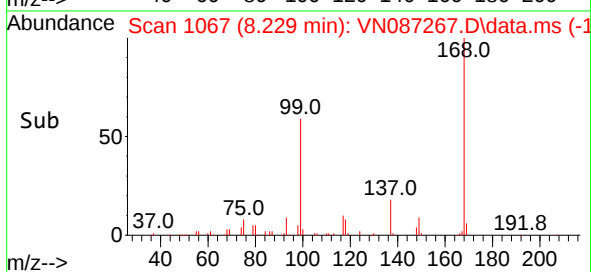
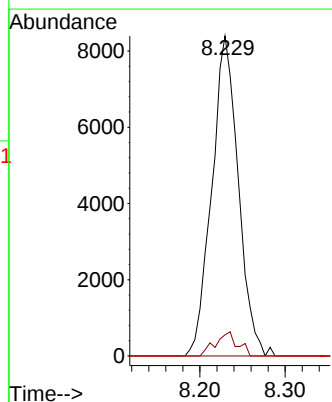
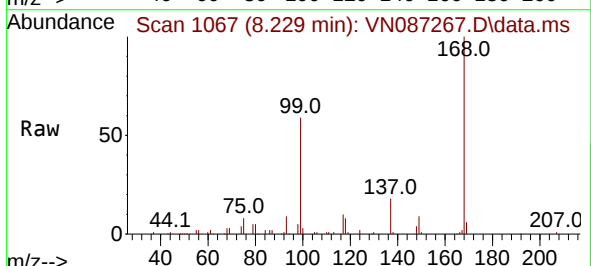
RT: 8.229 min Scan# 1067

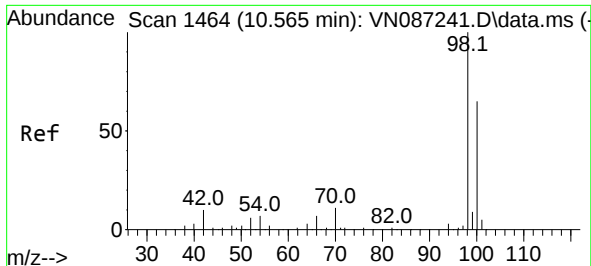
Delta R.T. -0.141 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

Tgt Ion:	117	Resp:	18143
Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.2	115.8#
121	0.0	26.6	39.8#

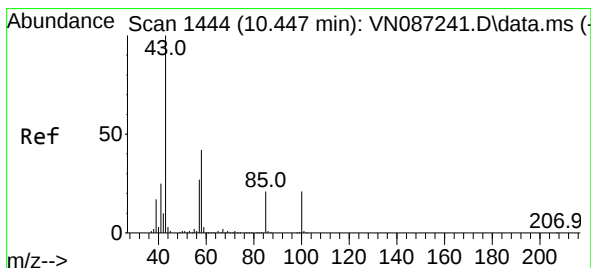
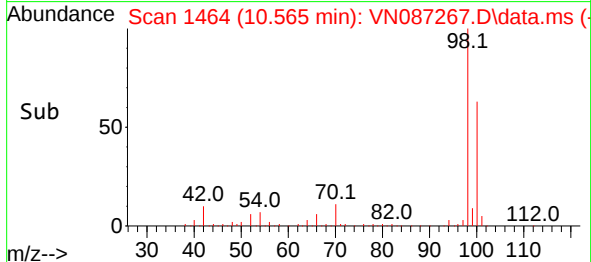
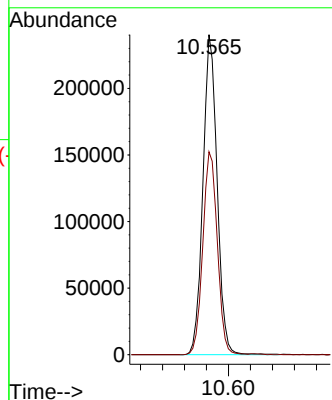
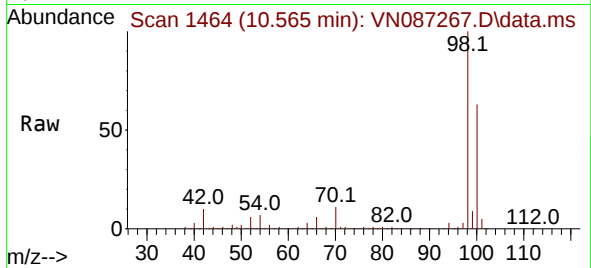




#50
Toluene-d8
Concen: 48.952 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

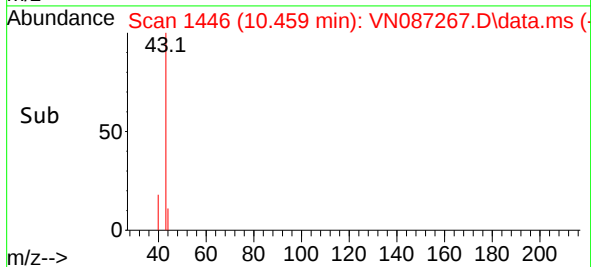
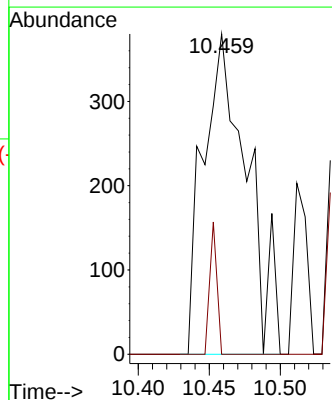
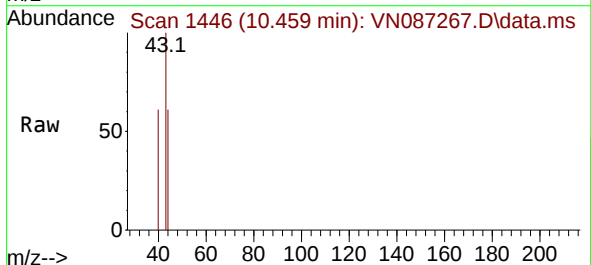
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

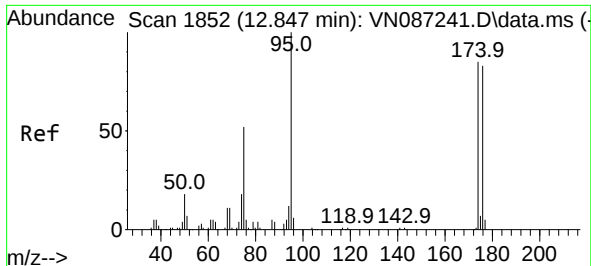
Tgt Ion: 98 Resp: 430068
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.2#

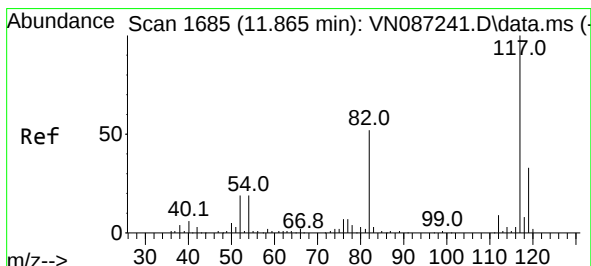
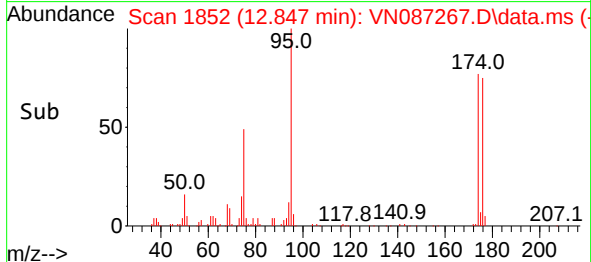
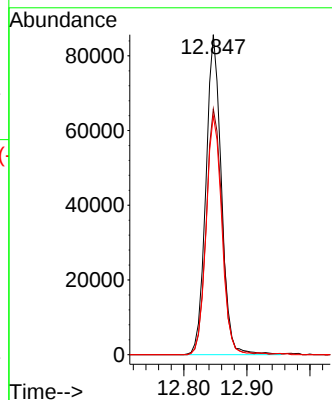
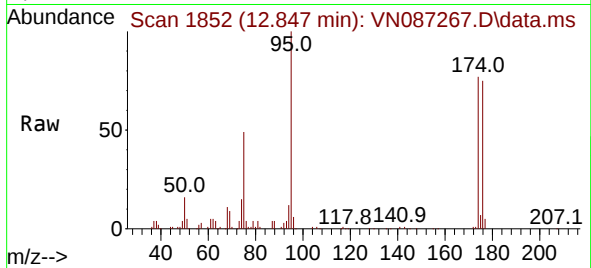




#62
4-Bromofluorobenzene
Concen: 46.661 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

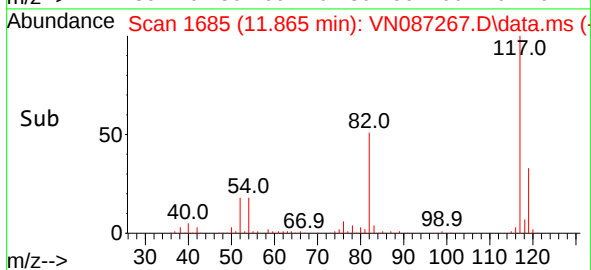
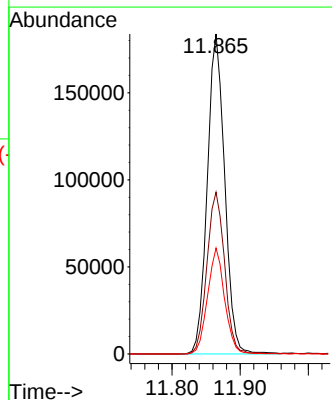
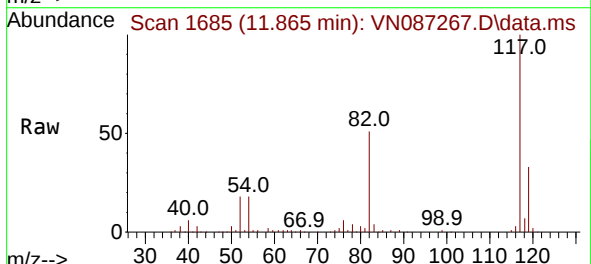
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

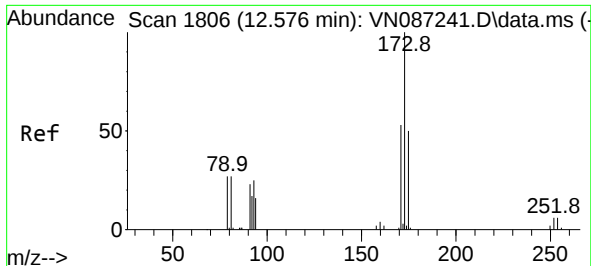
Tgt Ion: 95 Resp: 145859
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.6
176 76.1 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Tgt Ion: 117 Resp: 326560
Ion Ratio Lower Upper
117 100
82 50.6 41.9 62.9
119 33.1 26.2 39.4

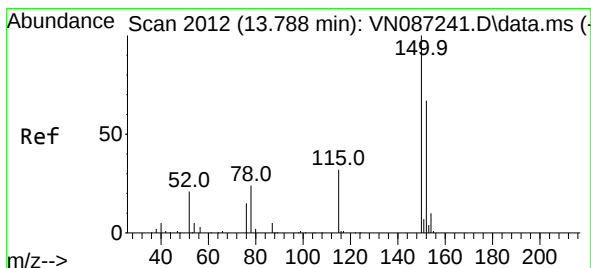
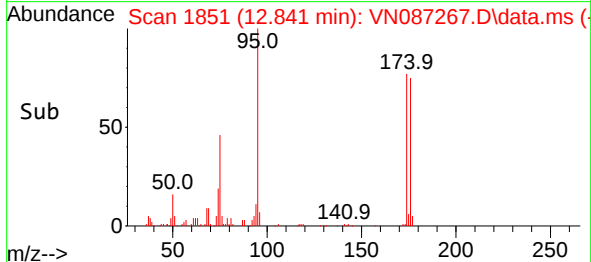
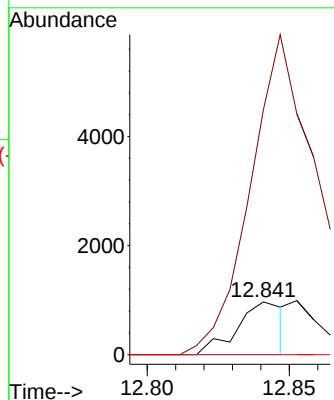
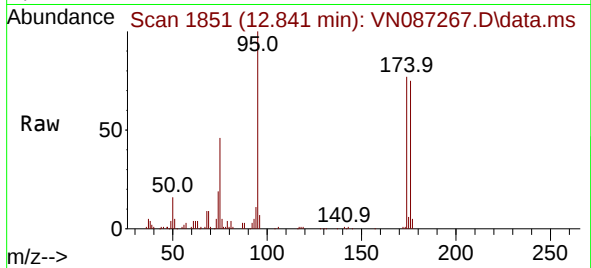




#71
Bromoform
Concen: 0.566 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.264 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

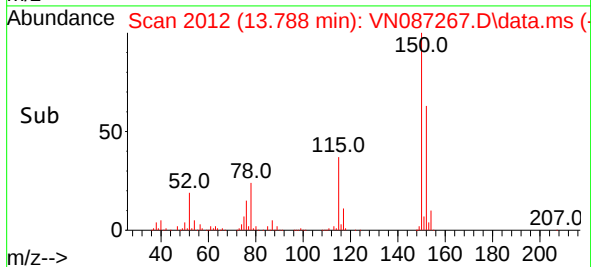
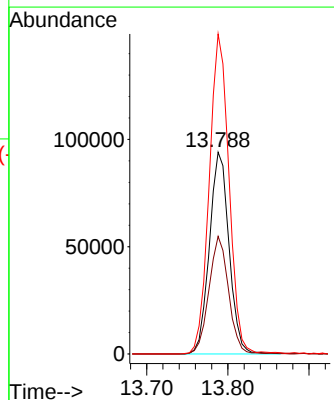
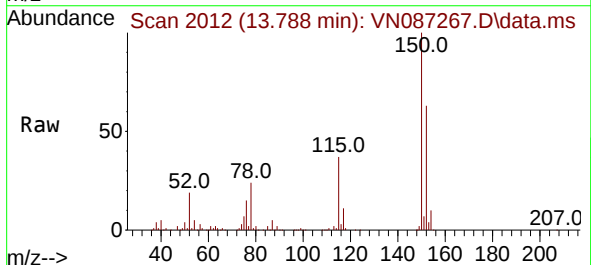
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

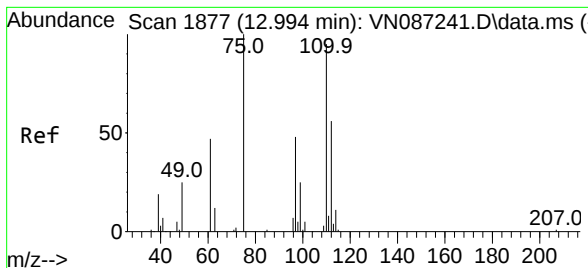
Tgt Ion:173 Resp: 1104
Ion Ratio Lower Upper
173 100
175 618.2 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087267.D
Acq: 03 Jul 2025 13:42

Tgt Ion:152 Resp: 157941
Ion Ratio Lower Upper
152 100
115 58.2 28.3 84.9
150 159.6 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 23.525 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

Instrument :

MSVOA_N

ClientSampleId :

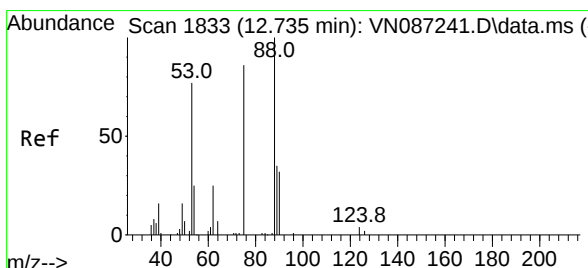
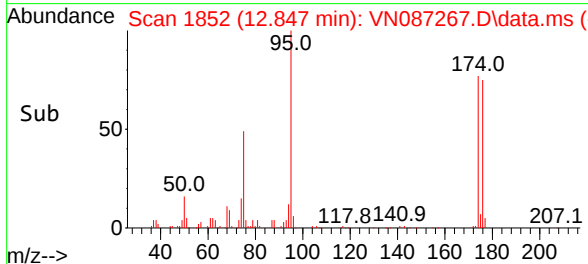
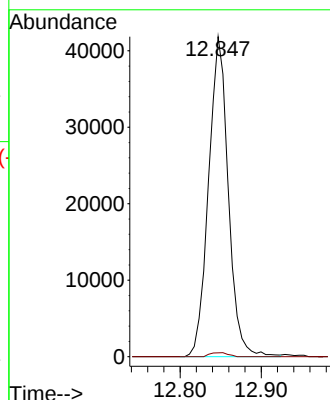
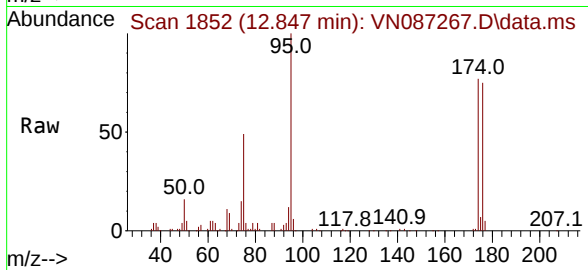
G4(1.5)

Tgt Ion: 75 Resp: 70673

Ion Ratio Lower Upper

75 100

77 1.2 82.0 245.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.258 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087267.D

Acq: 03 Jul 2025 13:42

Tgt Ion: 75 Resp: 70673

Ion Ratio Lower Upper

75 100

53 0.0 70.6 105.8#

89 0.0 36.1 54.1#

