

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087269.D
 Acq On : 03 Jul 2025 14:24
 Operator : JC\MD
 Sample : Q2487-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(9)

Quant Time: Jul 04 01:31:58 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)

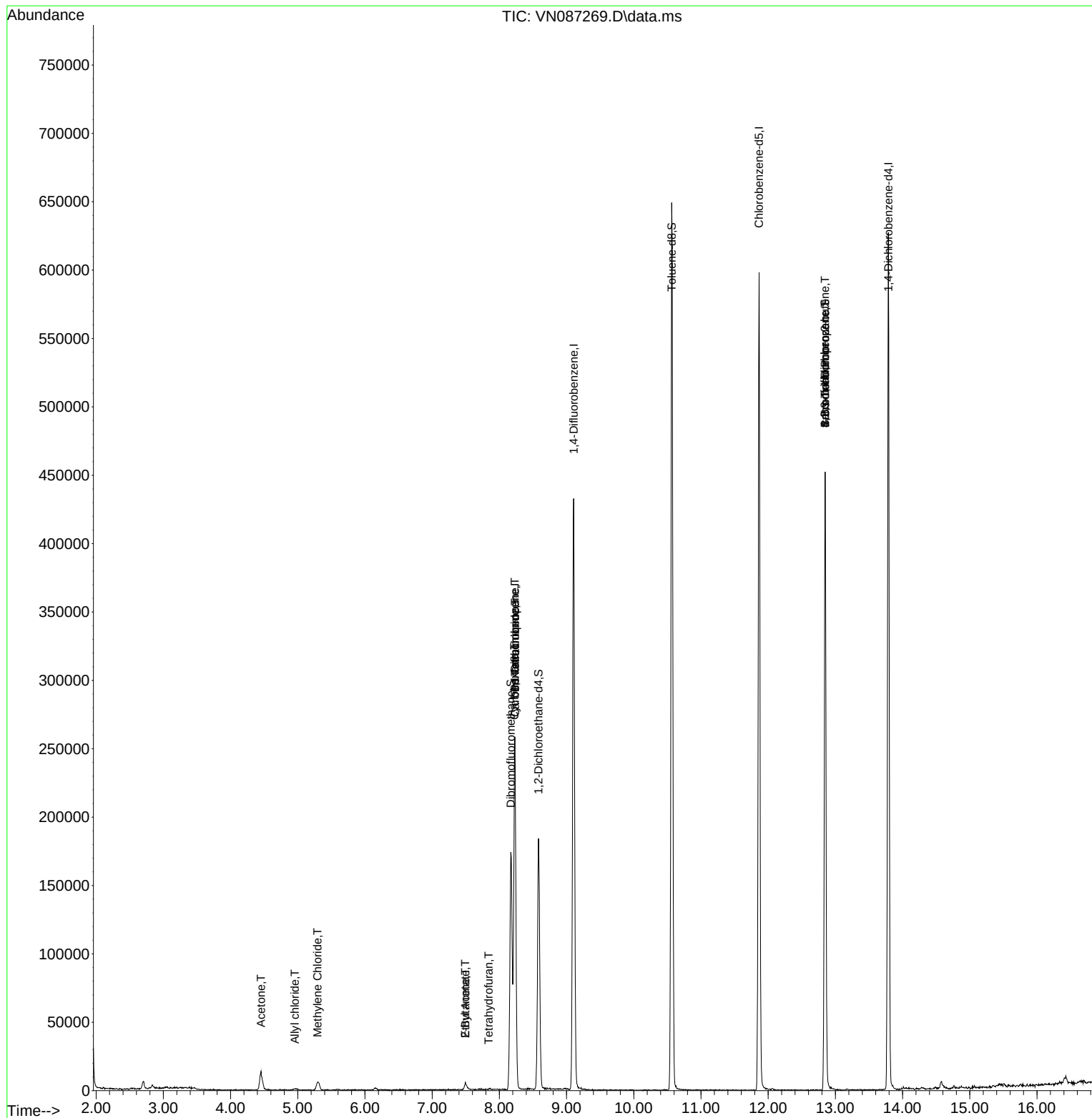
Internal Standards						
1) Pentafluorobenzene	8.230	168	199424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	389715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148731	59.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.840%	
35) Dibromofluoromethane	8.171	113	130399	52.256	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	10.565	98	473670	48.699	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.847	95	161003	46.523	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.040%	
Target Compounds						
					Qvalue	
14) Allyl chloride	4.959	41	677	0.298	ug/l #	22
16) Acetone	4.453	43	24722	25.836	ug/l	100
20) Methylene Chloride	5.294	84	5817	2.744	ug/l #	77
25) 2-Butanone	7.494	43	7520	5.029	ug/l	90
29) Tetrahydrofuran	7.841	42	358	0.372	ug/l #	25
31) Cyclohexane	8.224	56	3875	1.137	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	14139	4.167	ug/l #	49
37) Ethyl Acetate	7.494	43	7520	2.061	ug/l #	67
38) Carbon Tetrachloride	8.235	117	19951	5.189	ug/l #	15
71) Bromoform	12.847	173	1591	0.735	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	79487	23.784	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79487	55.865	ug/l #	14

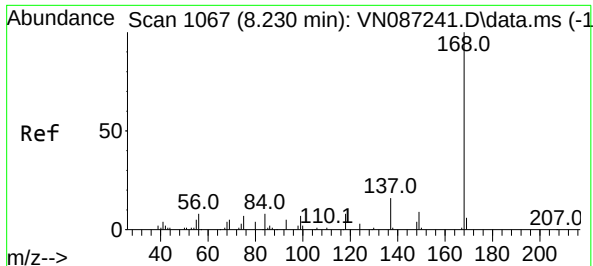
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
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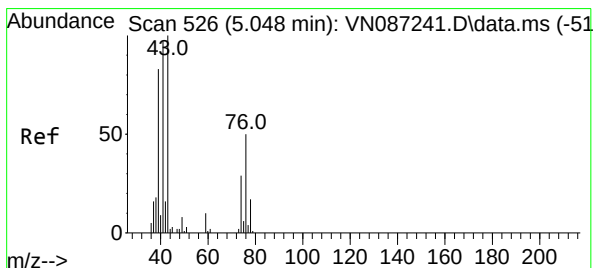
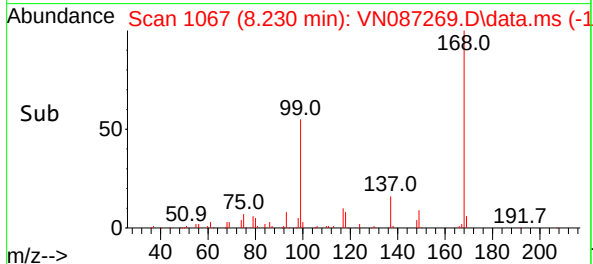
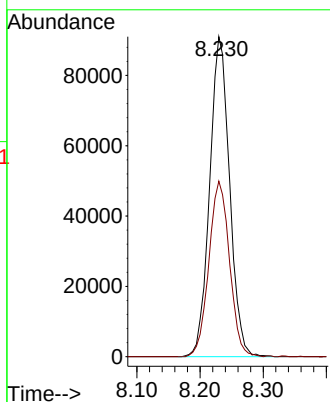
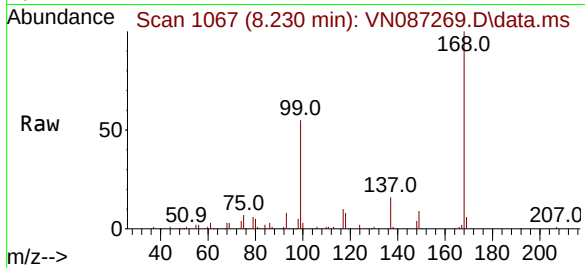




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

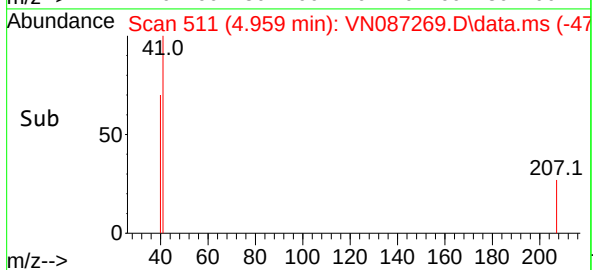
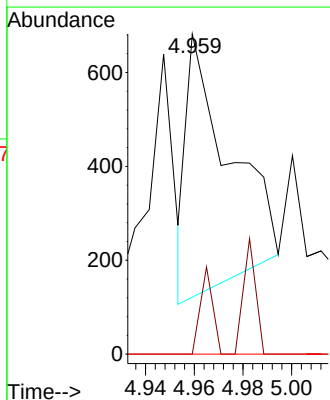
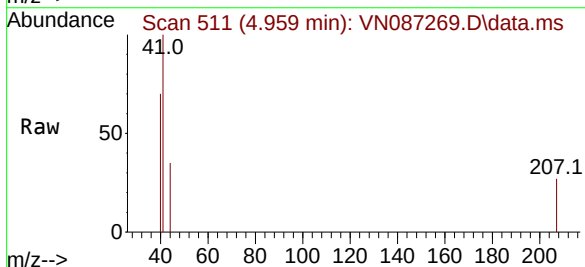
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

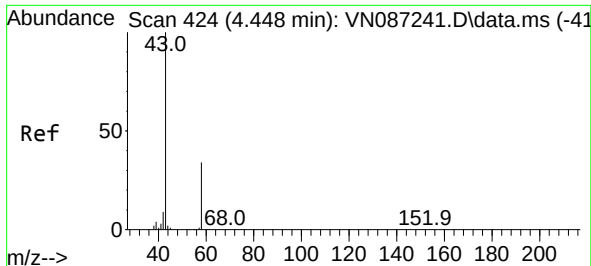
Tgt Ion:168 Resp: 199424
Ion Ratio Lower Upper
168 100
99 54.8 42.6 64.0



#14
Allyl chloride
Concen: 0.298 ug/l
RT: 4.959 min Scan# 511
Delta R.T. -0.088 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion: 41 Resp: 677
Ion Ratio Lower Upper
41 100
39 9.7 66.3 99.5#
76 0.0 38.6 58.0#





#16

Acetone

Concen: 25.836 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

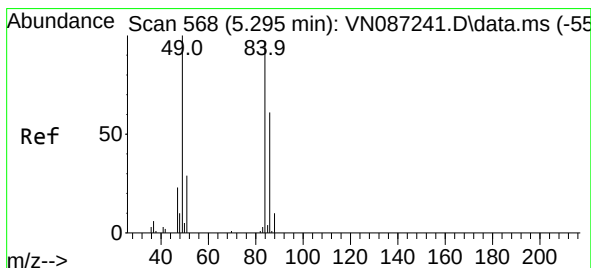
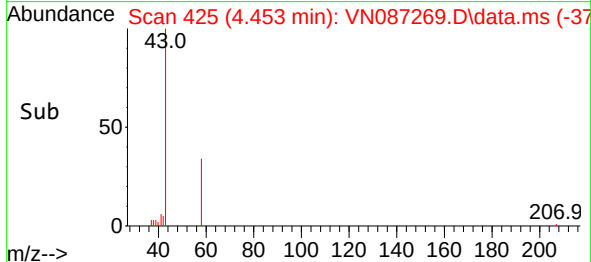
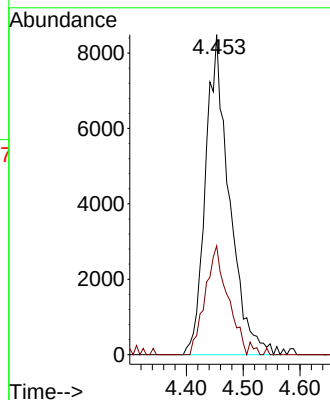
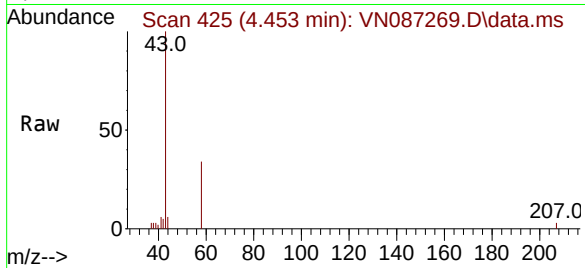
G3(9)

Tgt Ion: 43 Resp: 24722

Ion Ratio Lower Upper

43 100

58 34.0 27.1 40.7



#20

Methylene Chloride

Concen: 2.744 ug/l

RT: 5.294 min Scan# 568

Delta R.T. -0.000 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Tgt Ion: 84 Resp: 5817

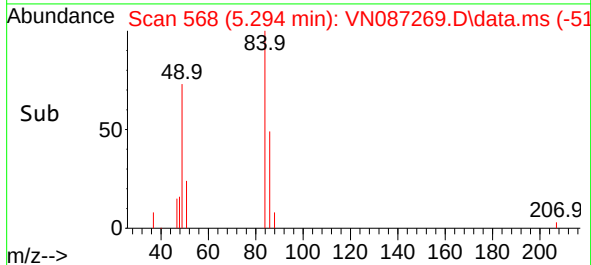
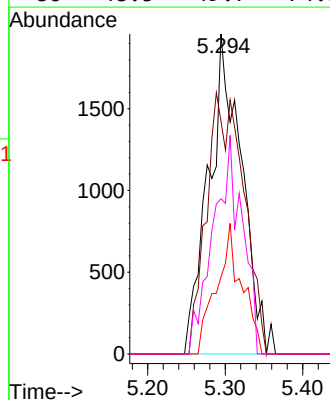
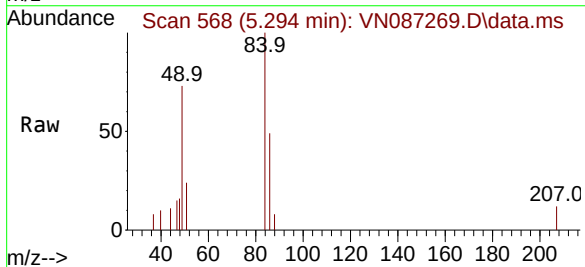
Ion Ratio Lower Upper

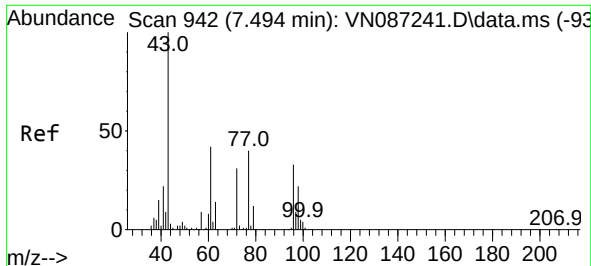
84 100

49 72.7 82.1 123.1#

51 24.1 23.5 35.3

86 48.5 49.7 74.5#

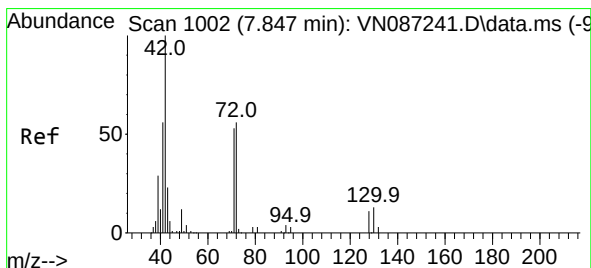
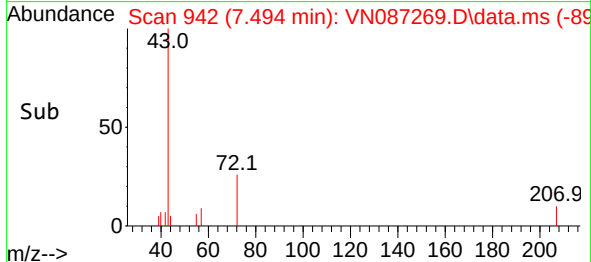
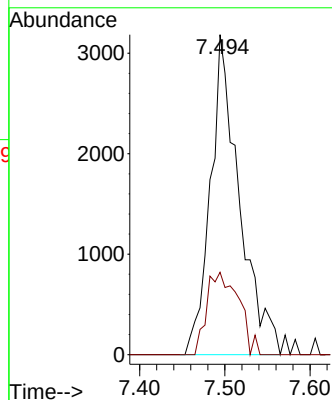
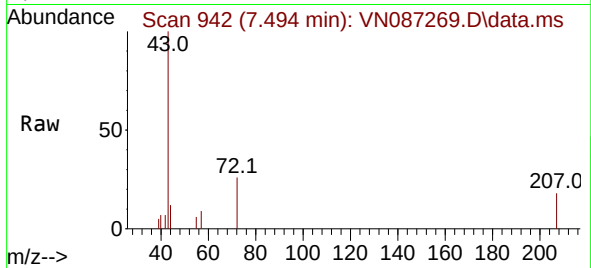




#25
2-Butanone
Concen: 5.029 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

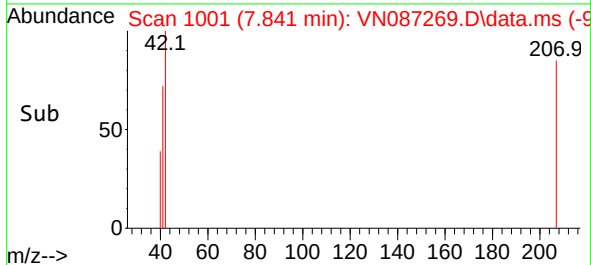
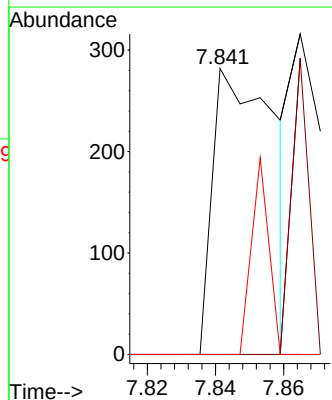
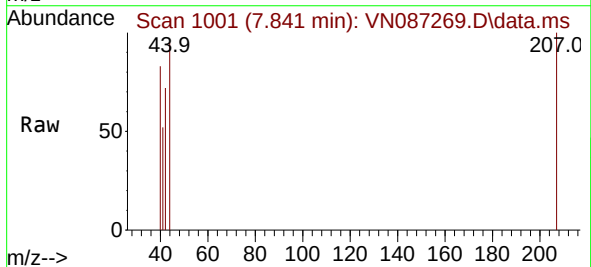
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

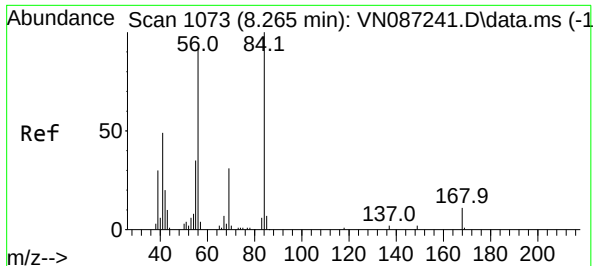
Tgt Ion: 43 Resp: 7520
Ion Ratio Lower Upper
43 100
72 25.7 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion: 42 Resp: 358
Ion Ratio Lower Upper
42 100
72 0.0 44.2 66.4#
71 0.0 41.1 61.7#

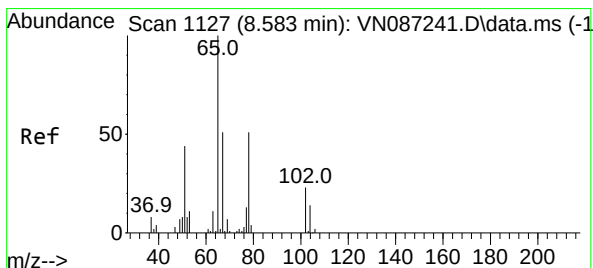
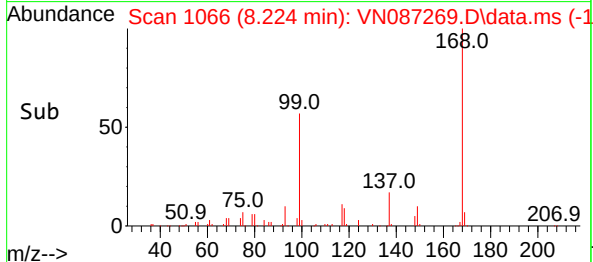
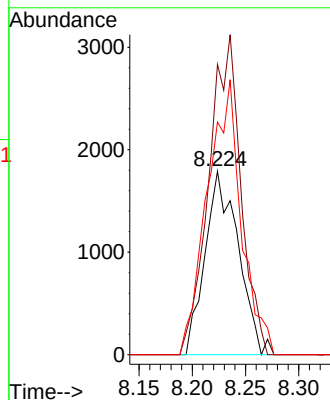
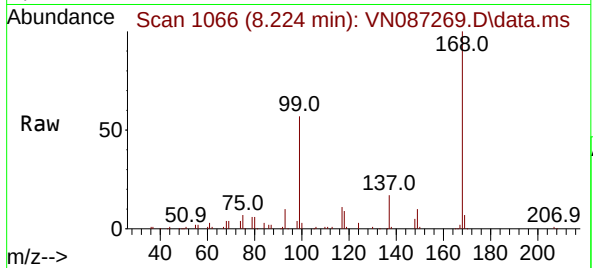




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

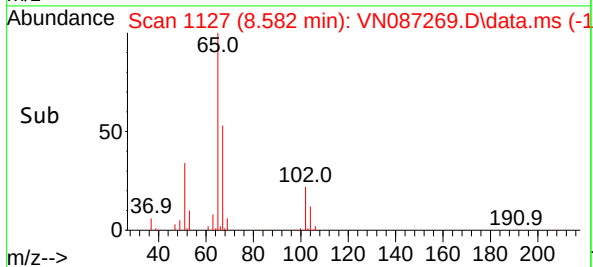
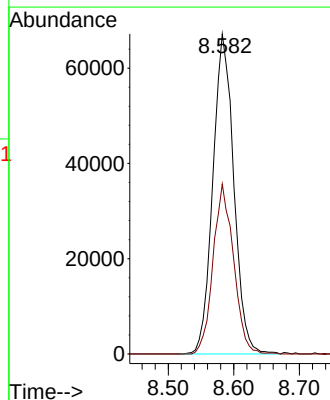
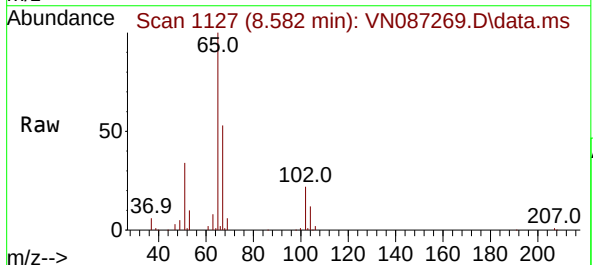
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

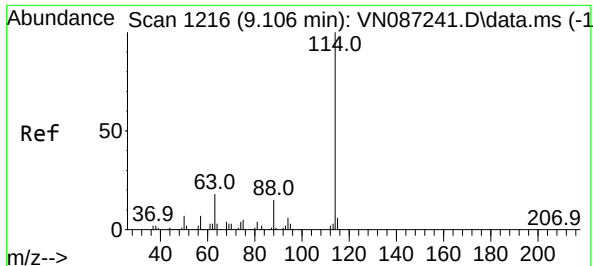
Tgt Ion: 56 Resp: 3875
Ion Ratio Lower Upper
56 100
69 158.3 27.0 40.6#
84 126.8 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 59.424 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion: 65 Resp: 148731
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6

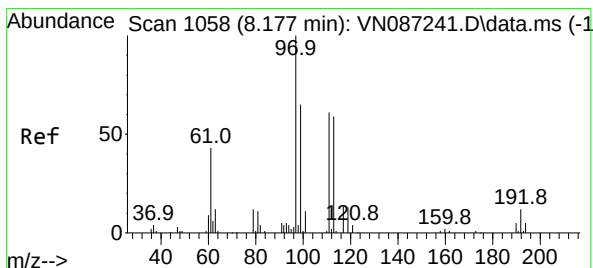
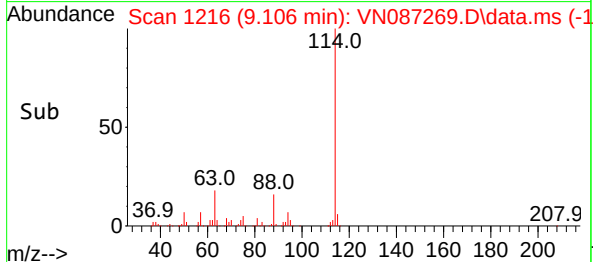
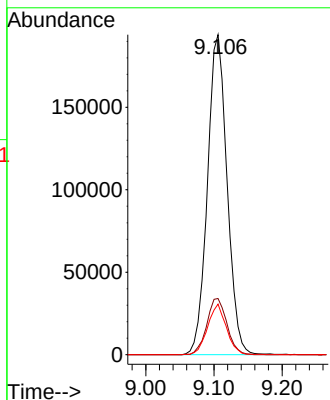
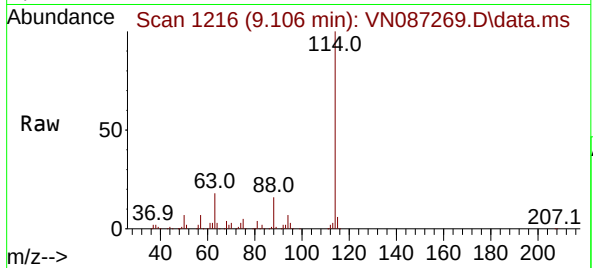




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

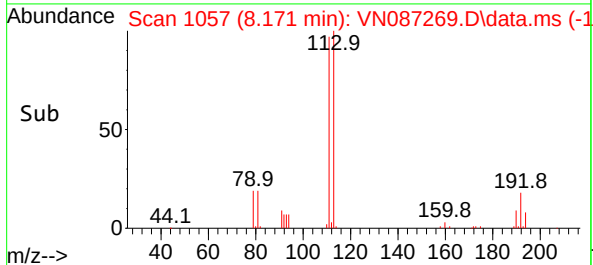
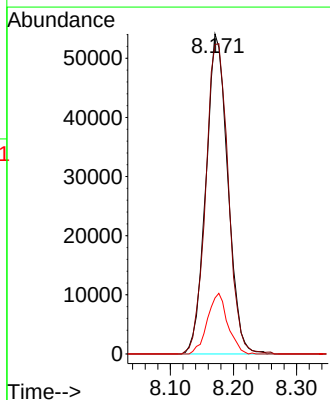
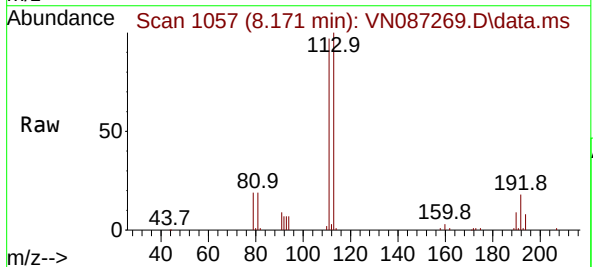
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

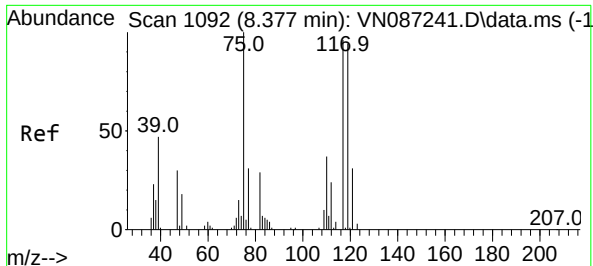
Tgt Ion:114 Resp: 389715
Ion Ratio Lower Upper
114 100
63 17.5 0.0 36.6
88 15.8 0.0 29.6



#35
Dibromofluoromethane
Concen: 52.256 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion:113 Resp: 130399
Ion Ratio Lower Upper
113 100
111 100.0 81.4 122.2
192 17.5 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.167 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

G3(9)

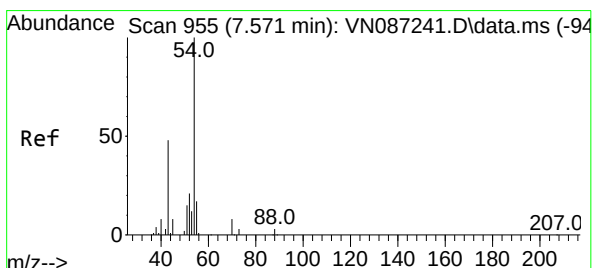
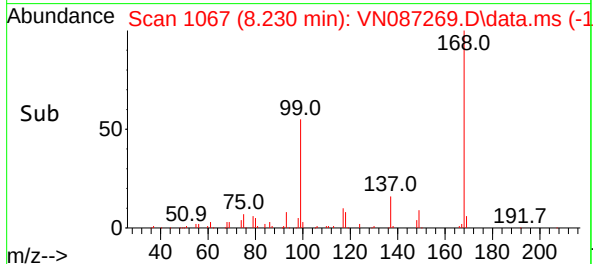
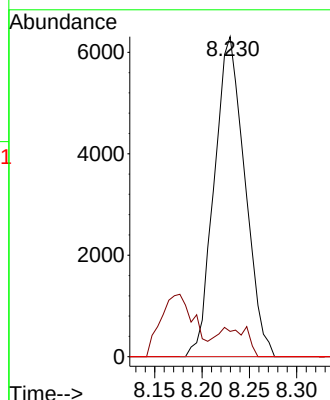
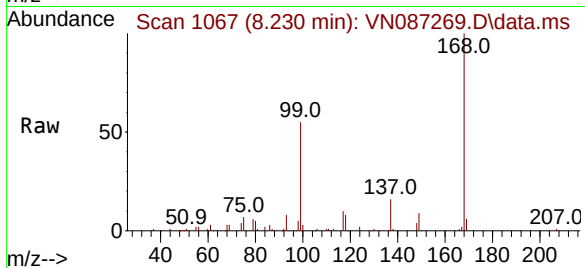
Tgt Ion: 75 Resp: 14139

Ion Ratio Lower Upper

75 100

110 9.1 18.7 56.1#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 2.061 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.077 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

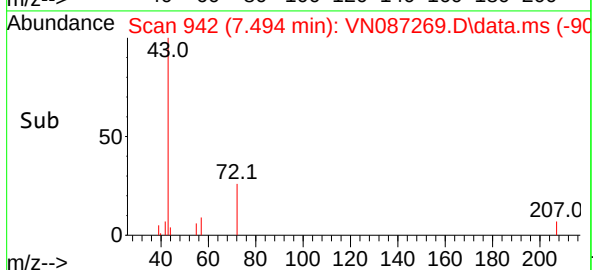
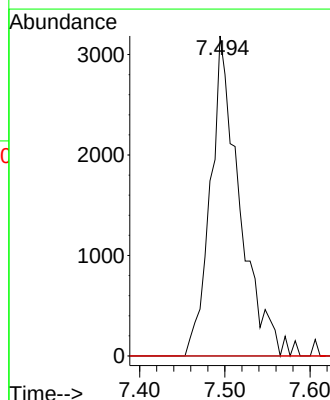
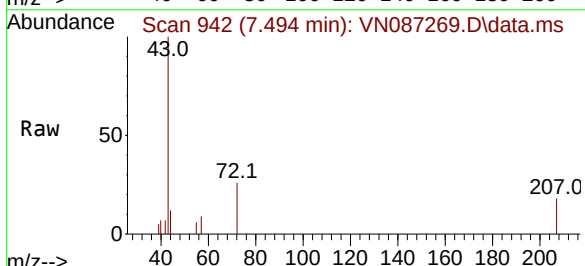
Tgt Ion: 43 Resp: 7520

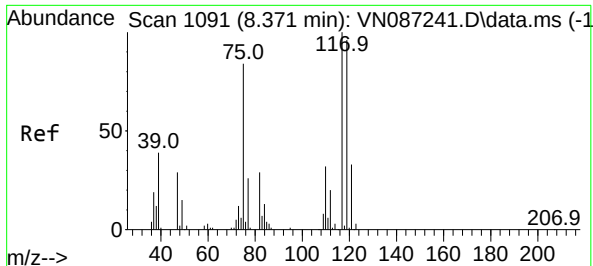
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 9.9 14.9#

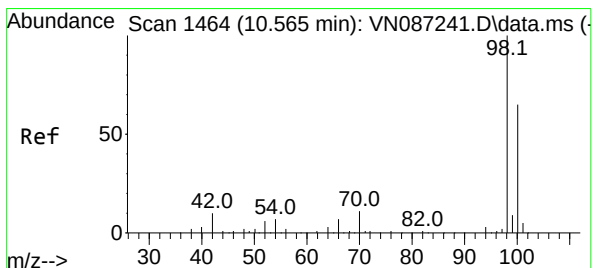
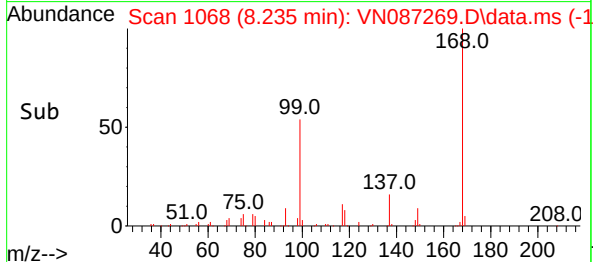
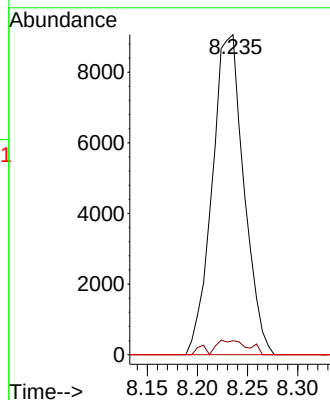
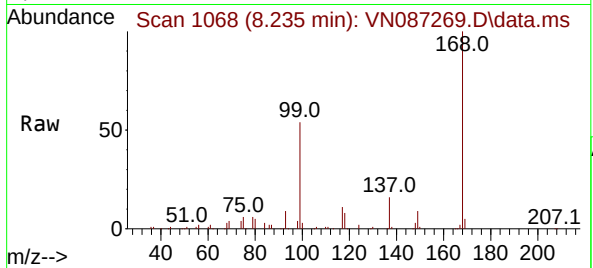




#38
Carbon Tetrachloride
Concen: 5.189 ug/l
RT: 8.235 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

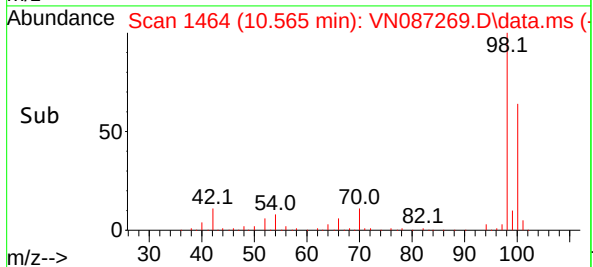
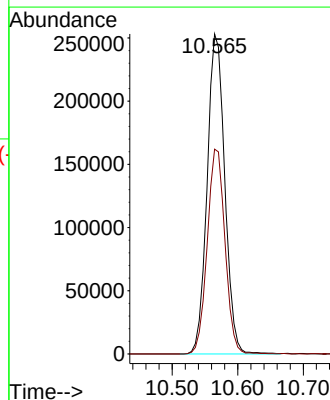
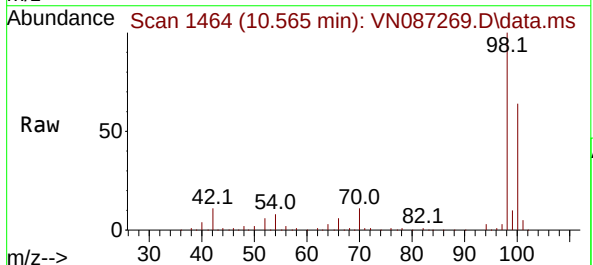
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

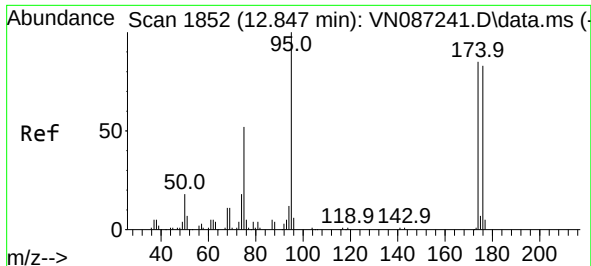
Tgt Ion:117 Resp: 19951
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 48.699 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion: 98 Resp: 473670
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

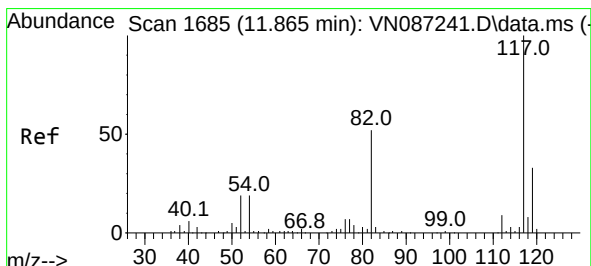
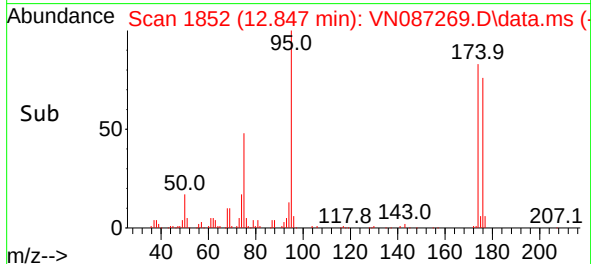
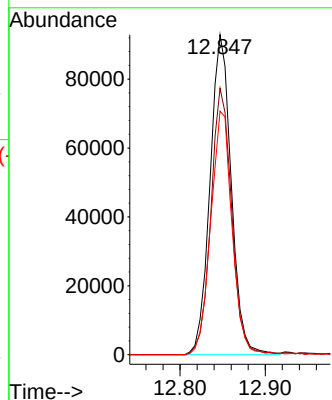
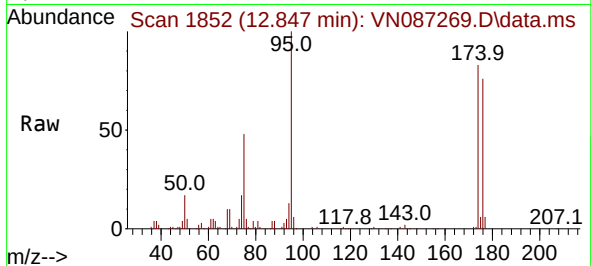




#62
4-Bromofluorobenzene
Concen: 46.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

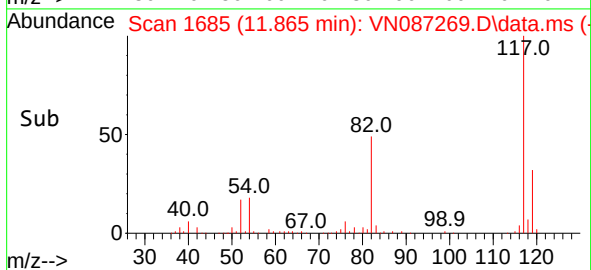
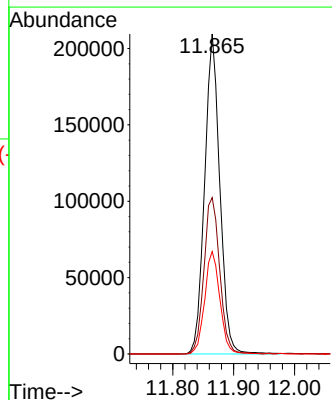
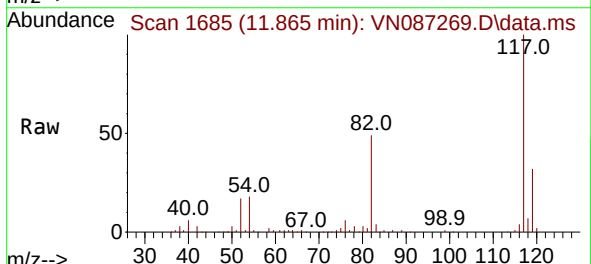
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

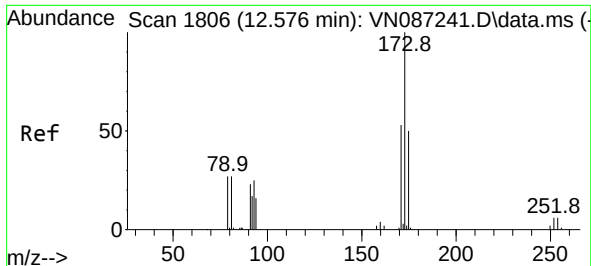
Tgt Ion: 95 Resp: 161003
Ion Ratio Lower Upper
95 100
174 81.6 0.0 169.6
176 76.6 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion: 117 Resp: 362303
Ion Ratio Lower Upper
117 100
82 48.9 41.9 62.9
119 32.0 26.2 39.4

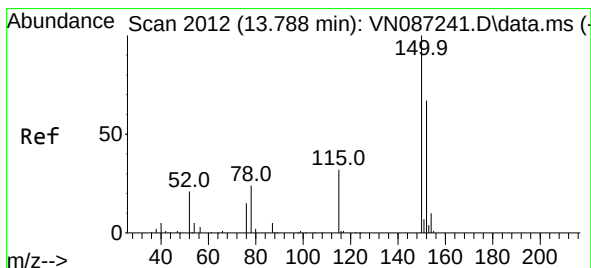
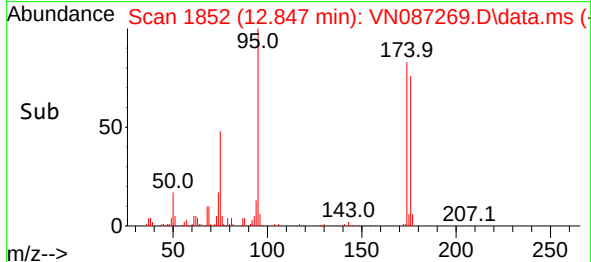
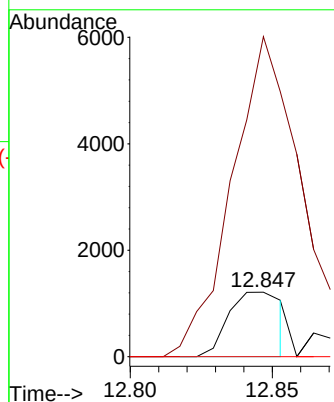
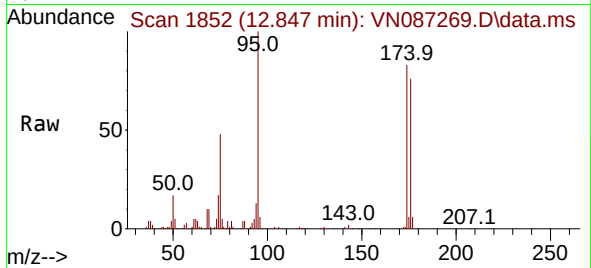




#71
Bromoform
Concen: 0.735 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

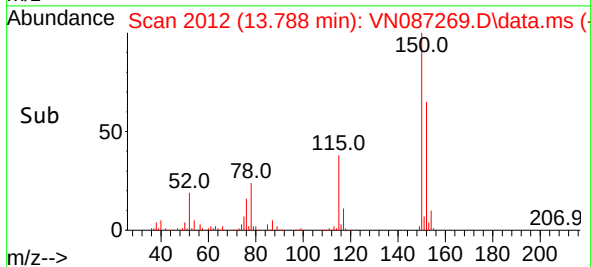
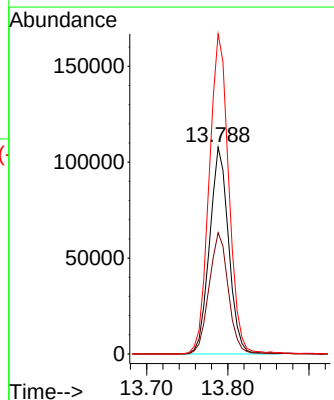
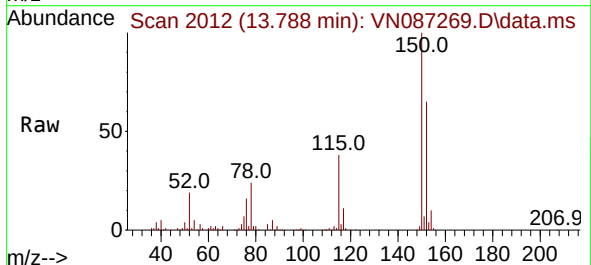
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

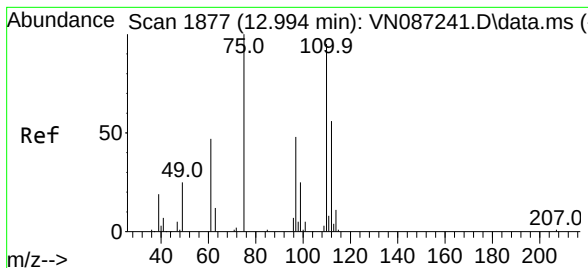
Tgt Ion:173 Resp: 1591
Ion Ratio Lower Upper
173 100
175 466.6 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion:152 Resp: 175707
Ion Ratio Lower Upper
152 100
115 59.1 28.3 84.9
150 159.4 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 23.784 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

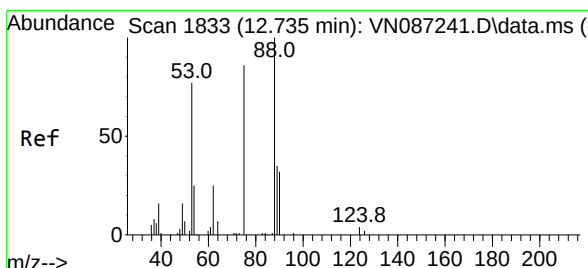
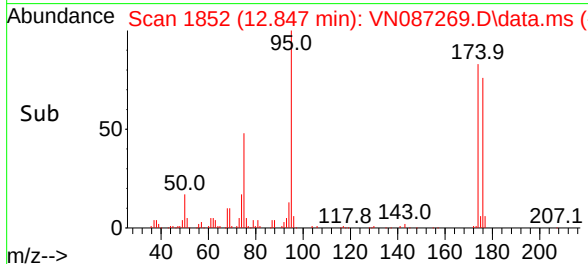
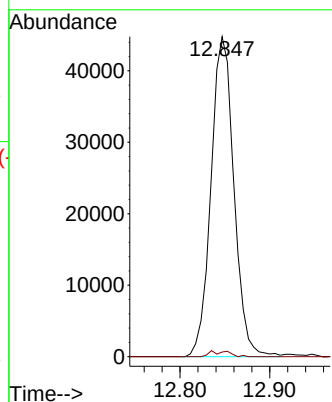
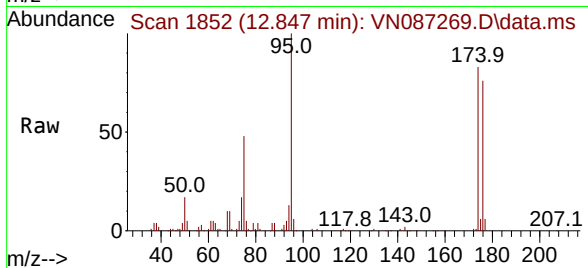
G3(9)

Tgt Ion: 75 Resp: 79487

Ion Ratio Lower Upper

75 100

77 0.6 82.0 245.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.865 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Tgt Ion: 75 Resp: 79487

Ion Ratio Lower Upper

75 100

53 0.0 70.6 105.8#

89 0.0 36.1 54.1#

