

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087270.D
 Acq On : 03 Jul 2025 14:45
 Operator : JC\MD
 Sample : Q2487-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

Quant Time: Jul 04 01:32:21 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)

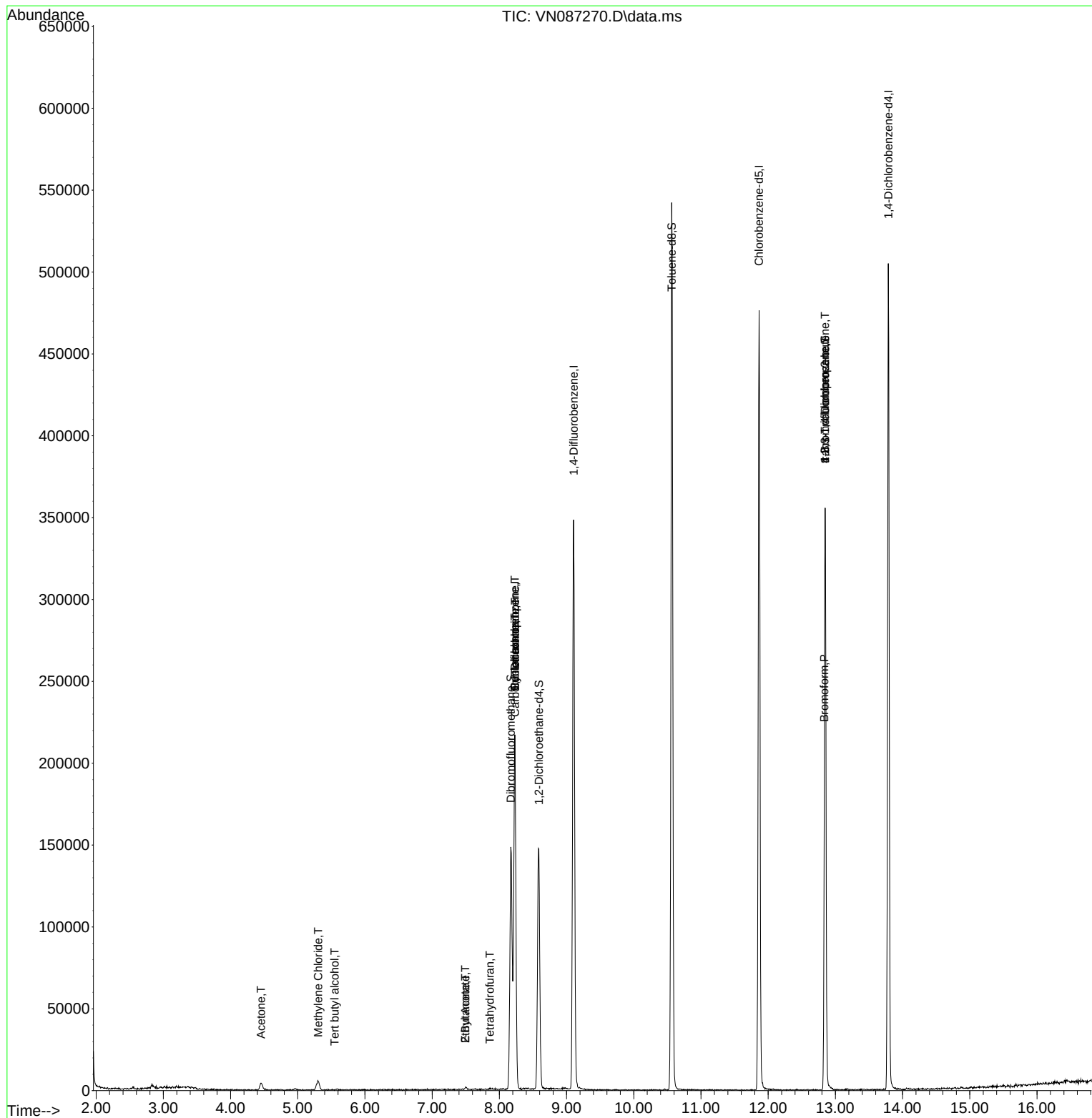
Internal Standards						
1) Pentafluorobenzene	8.230	168	168893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	123179	58.111	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.220%	
35) Dibromofluoromethane	8.171	113	109091	53.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.560%	
50) Toluene-d8	10.565	98	391228	49.482	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.960%	
62) 4-Bromofluorobenzene	12.847	95	129222	45.935	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	121	0.313	ug/l #	72
16) Acetone	4.453	43	8244	10.173	ug/l	95
20) Methylene Chloride	5.306	84	4930	2.746	ug/l #	89
25) 2-Butanone	7.494	43	1894	1.496	ug/l #	44
29) Tetrahydrofuran	7.859	42	410	0.502	ug/l #	25
31) Cyclohexane	8.230	56	3301	1.143	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	12266	4.447	ug/l #	47
37) Ethyl Acetate	7.494	43	1894	0.639	ug/l #	67
38) Carbon Tetrachloride	8.236	117	16293	5.213	ug/l #	15
71) Bromoform	12.835	173	618	0.349	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66707	24.192	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66707	56.825	ug/l #	14

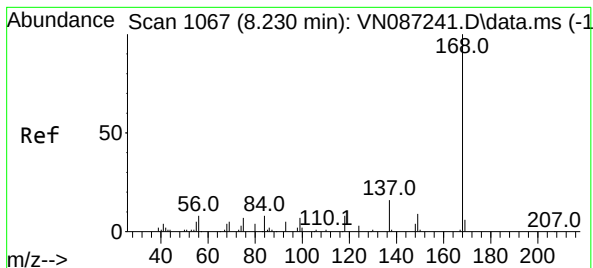
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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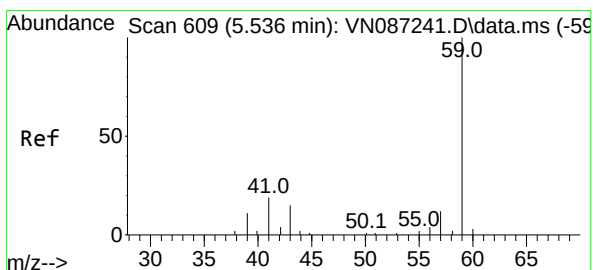
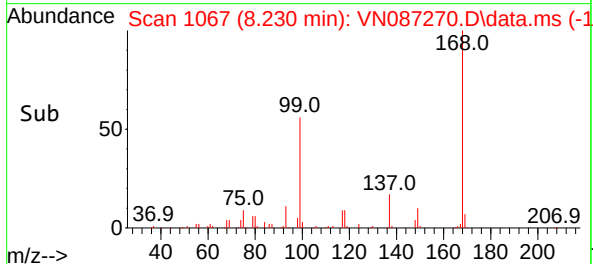
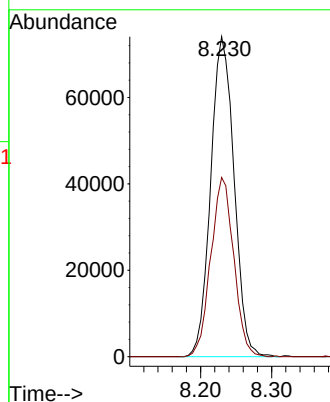
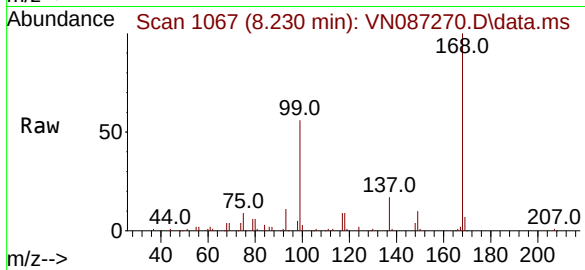




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

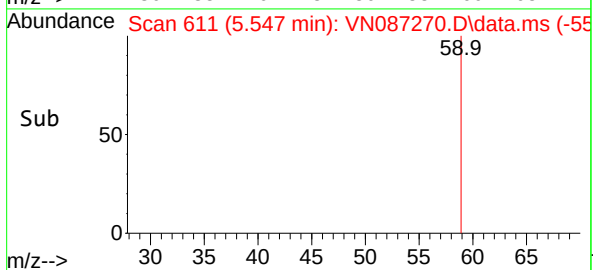
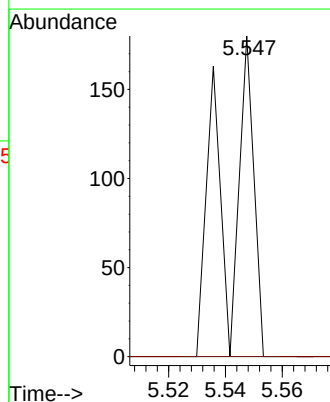
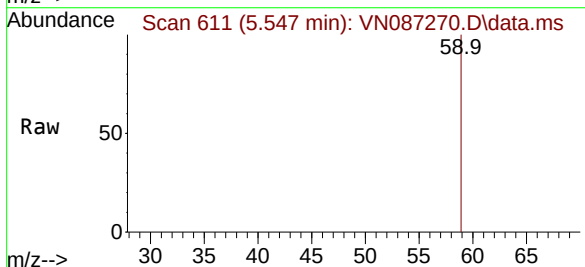
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

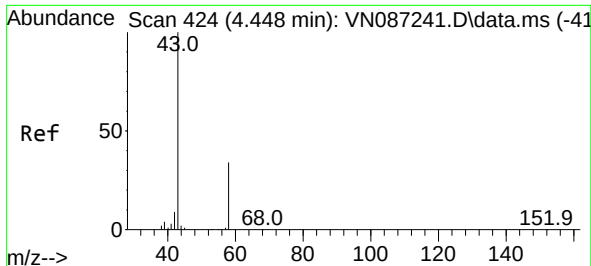
Tgt Ion:168 Resp: 168893
Ion Ratio Lower Upper
168 100
99 56.0 42.6 64.0



#11
Tert butyl alcohol
Concen: 0.313 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

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





#16

Acetone

Concen: 10.173 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

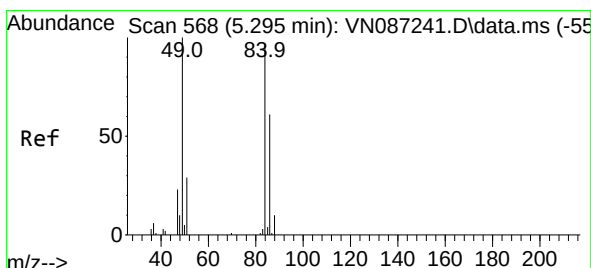
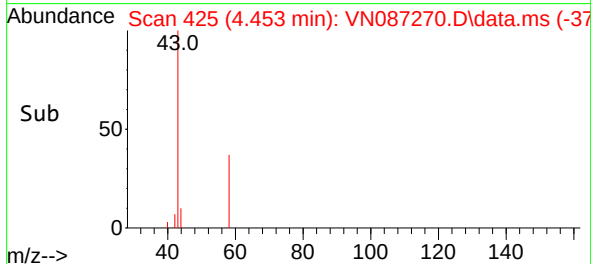
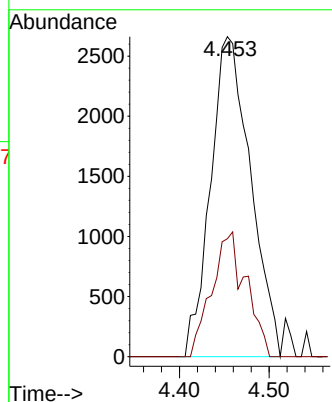
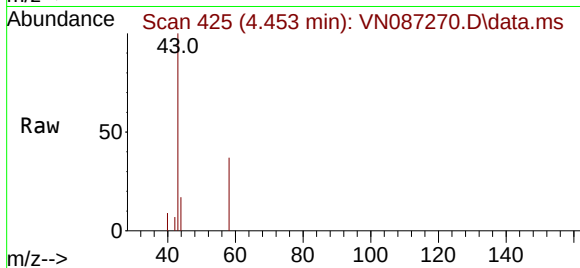
G3(3)

Tgt Ion: 43 Resp: 8244

Ion Ratio Lower Upper

43 100

58 36.9 27.1 40.7



#20

Methylene Chloride

Concen: 2.746 ug/l

RT: 5.306 min Scan# 570

Delta R.T. 0.012 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

Tgt Ion: 84 Resp: 4930

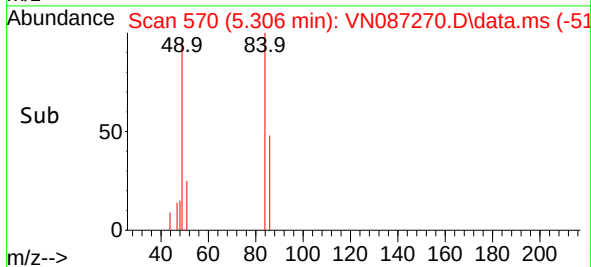
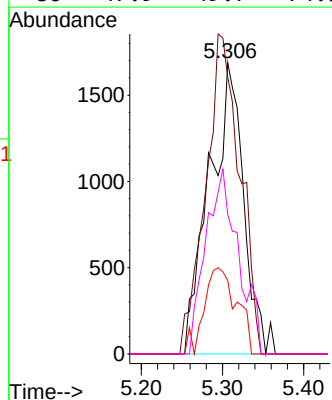
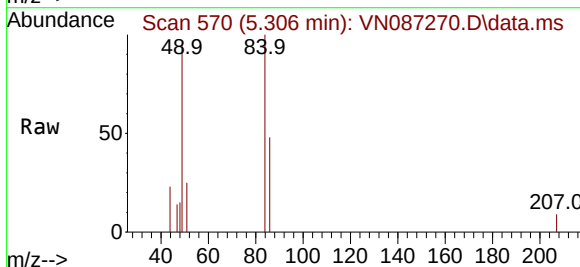
Ion Ratio Lower Upper

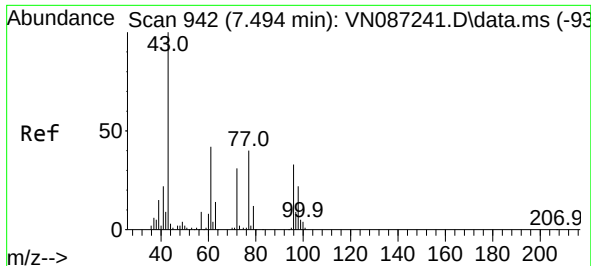
84 100

49 95.1 82.1 123.1

51 25.2 23.5 35.3

86 47.9 49.7 74.5#

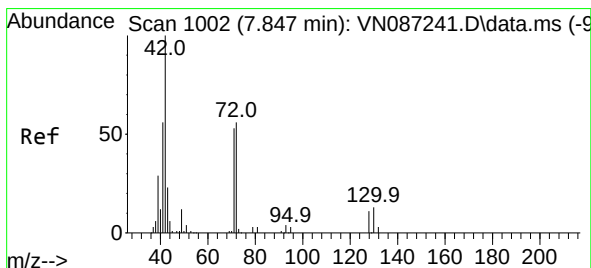
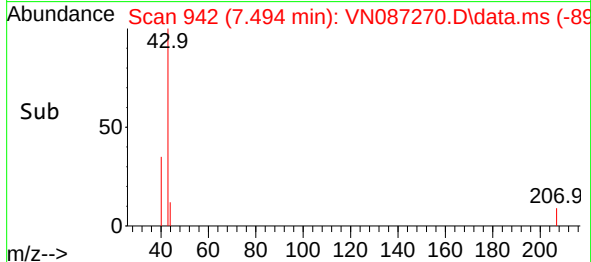
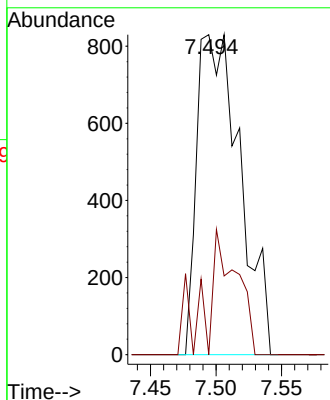
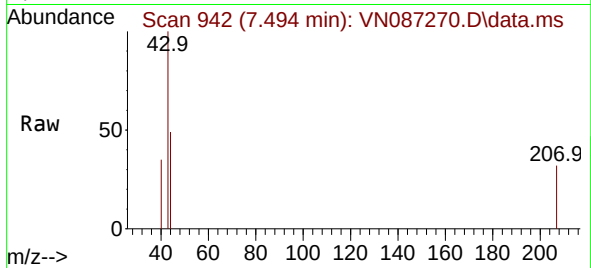




#25
2-Butanone
Concen: 1.496 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

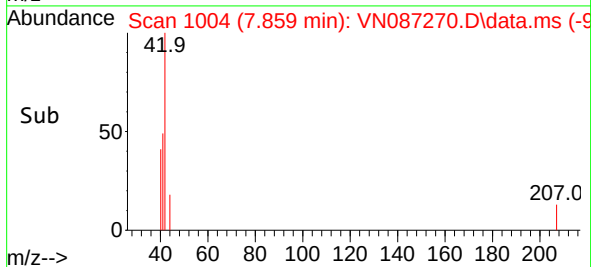
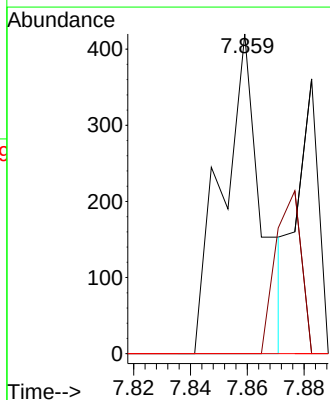
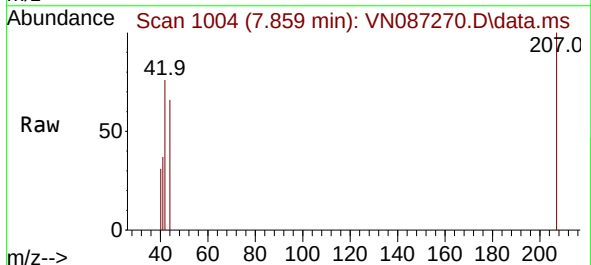
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

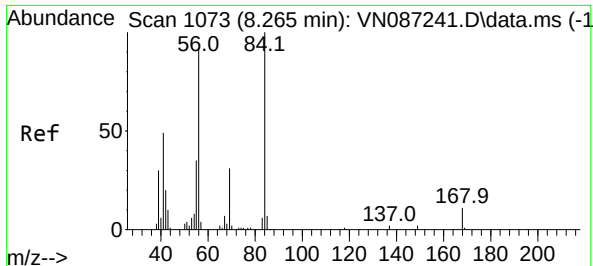
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
72 0.0 24.8 37.2#



#29
Tetrahydrofuran
Concen: 0.502 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 44.2 66.4#
71 0.0 41.1 61.7#

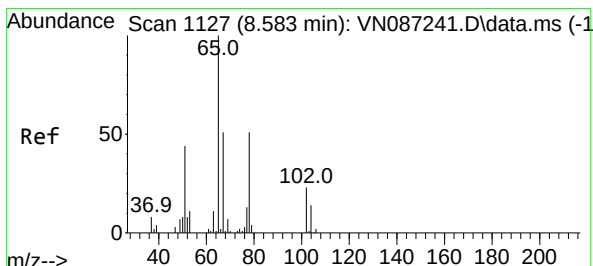
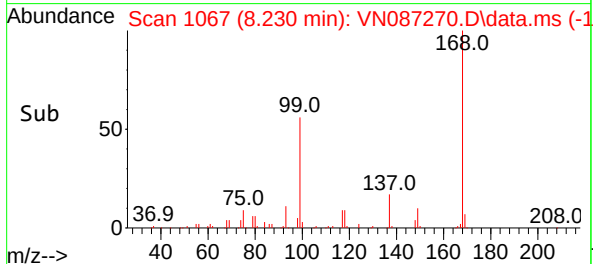
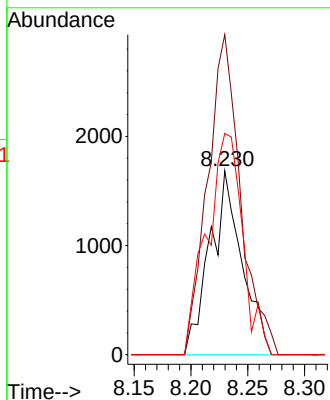
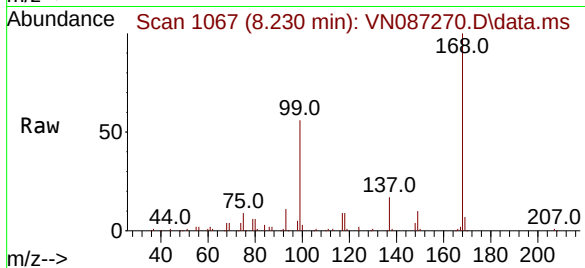




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

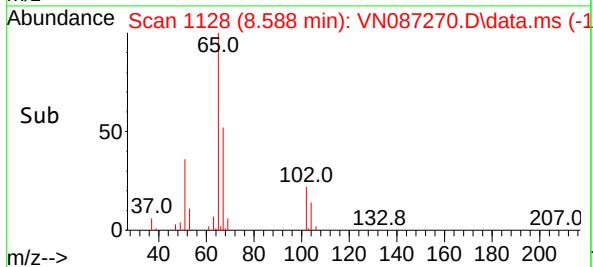
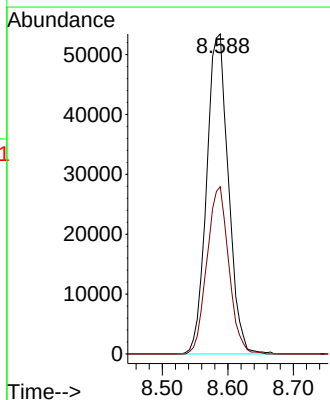
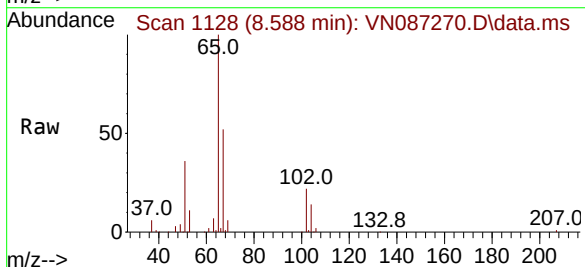
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

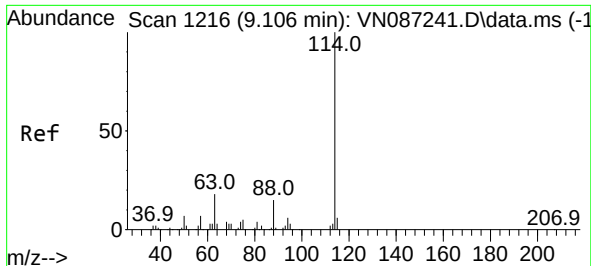
Tgt Ion: 56 Resp: 3301
Ion Ratio Lower Upper
56 100
69 174.1 27.0 40.6#
84 120.4 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 58.111 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 65 Resp: 123179
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

G3(3)

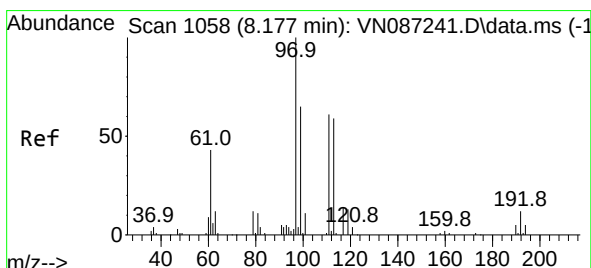
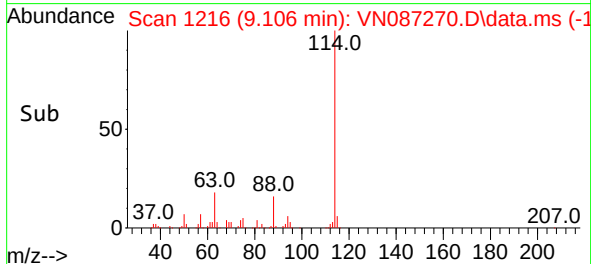
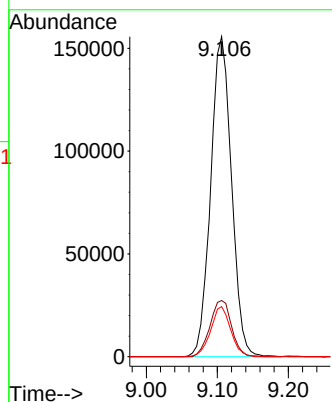
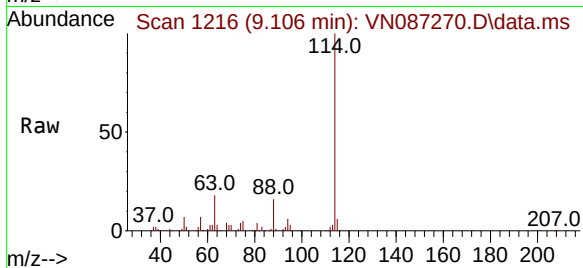
Tgt Ion:114 Resp: 316789

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.781 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

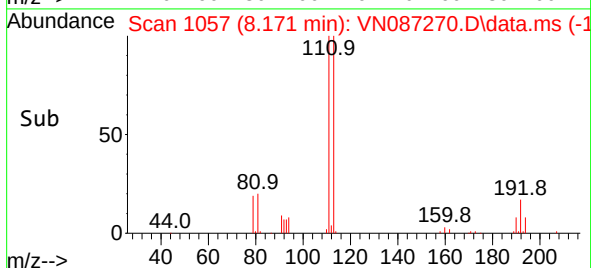
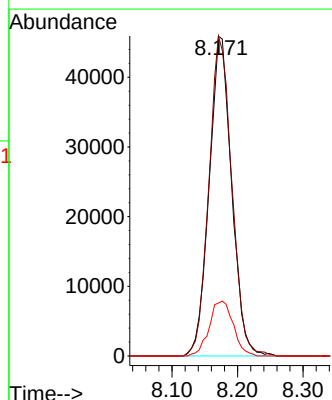
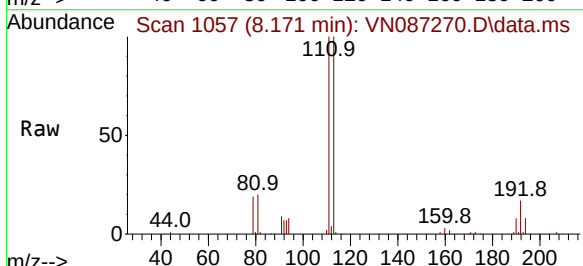
Tgt Ion:113 Resp: 109091

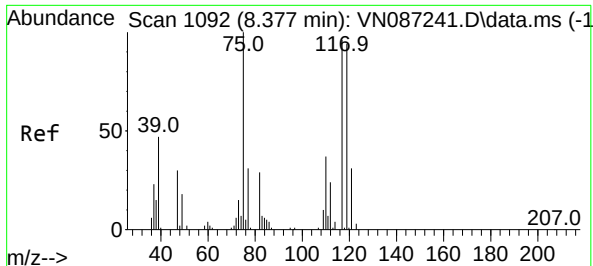
Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

192 18.4 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.447 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

G3(3)

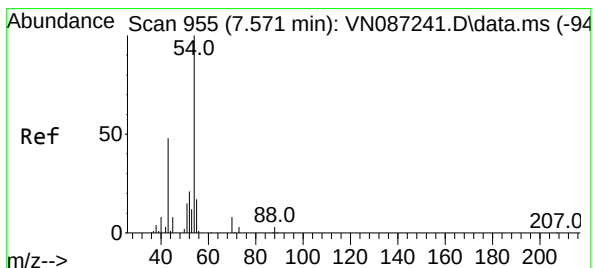
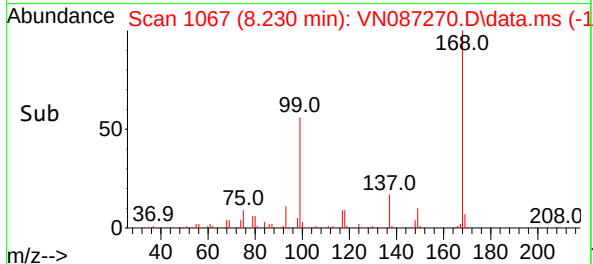
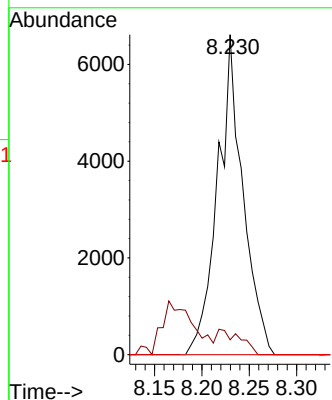
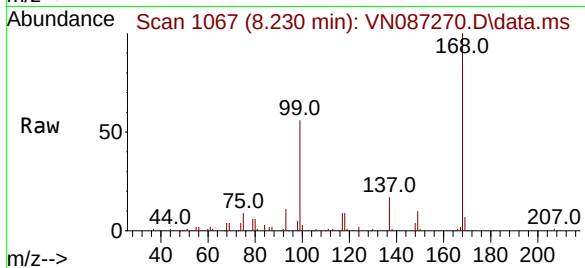
Tgt Ion: 75 Resp: 12266

Ion Ratio Lower Upper

75 100

110 7.3 18.7 56.1#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 0.639 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.077 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

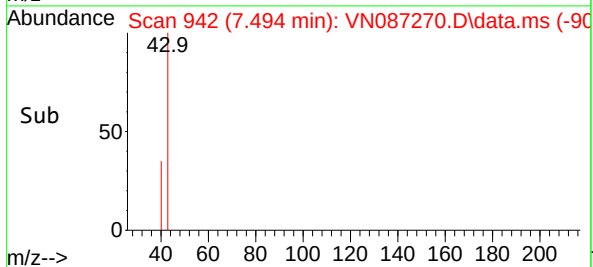
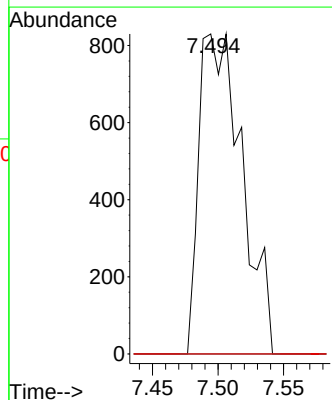
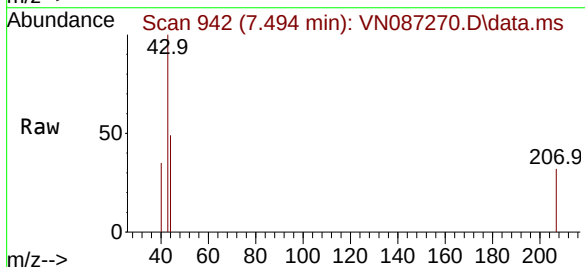
Tgt Ion: 43 Resp: 1894

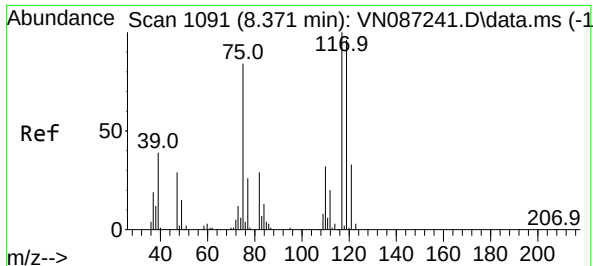
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 9.9 14.9#

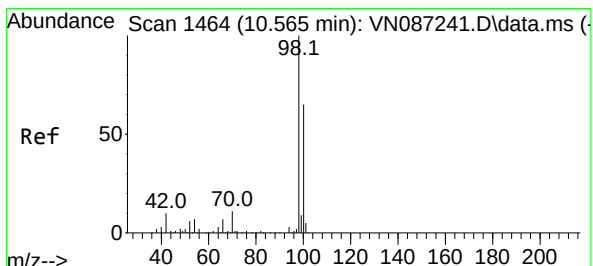
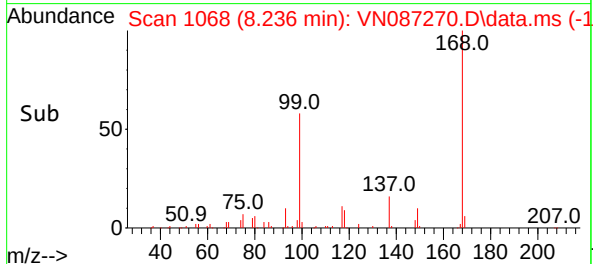
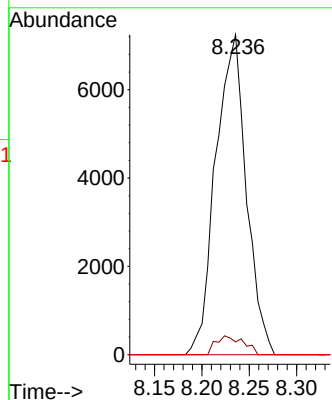
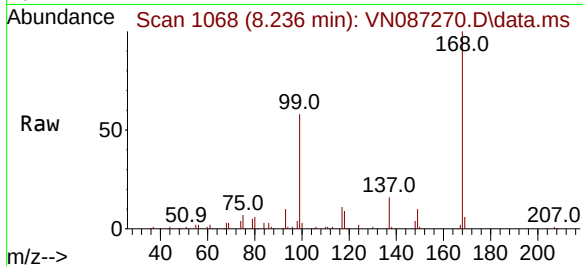




#38
Carbon Tetrachloride
Concen: 5.213 ug/l
RT: 8.236 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

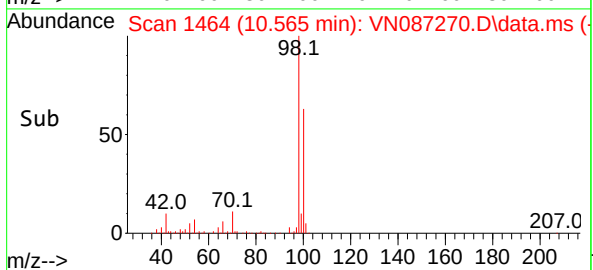
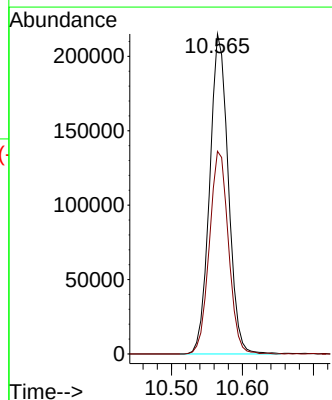
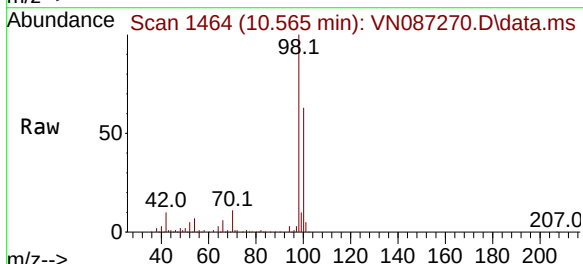
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

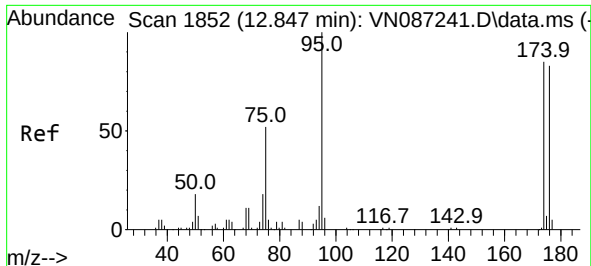
Tgt Ion:117 Resp: 16293
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 98 Resp: 391228
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

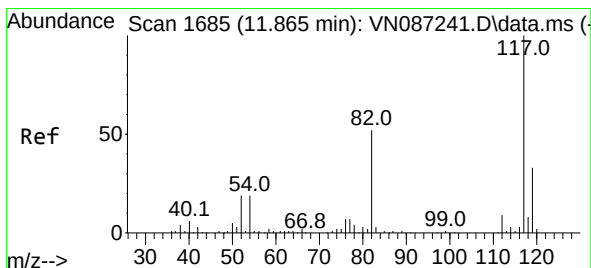
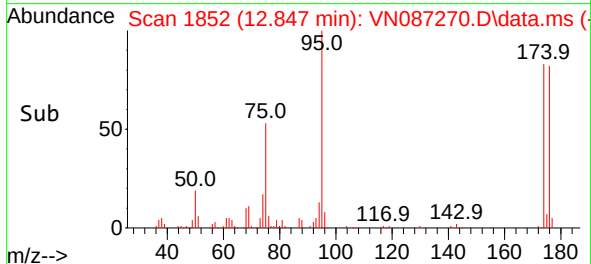
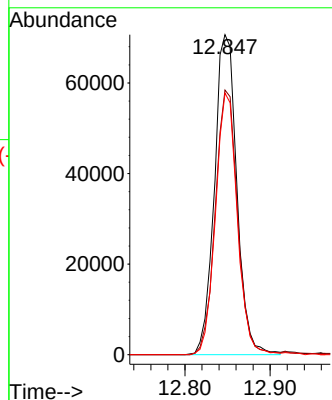
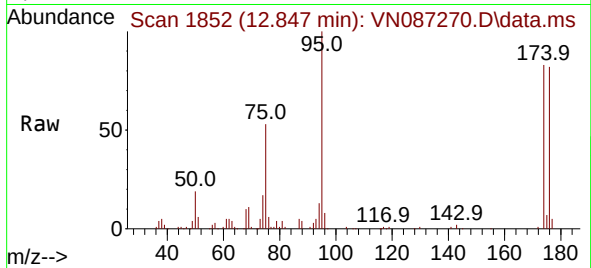




#62
4-Bromofluorobenzene
Concen: 45.935 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

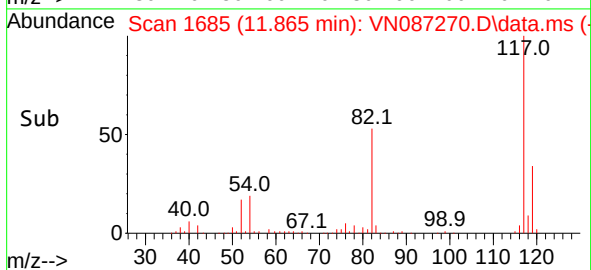
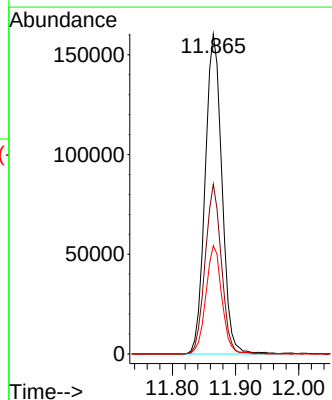
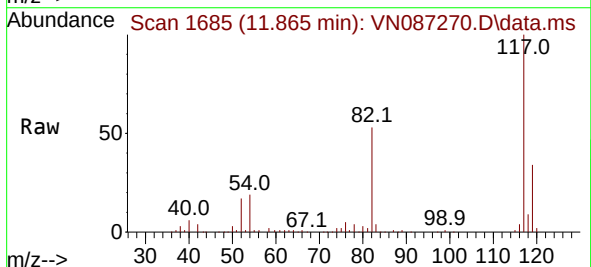
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

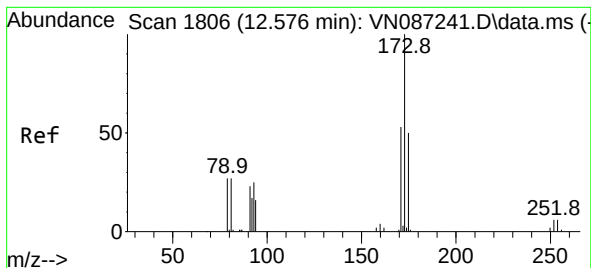
Tgt Ion: 95 Resp: 129222
Ion Ratio Lower Upper
95 100
174 82.1 0.0 169.6
176 79.3 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 117 Resp: 296355
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 33.8 26.2 39.4





#71

Bromoform

Concen: 0.349 ug/l

RT: 12.835 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

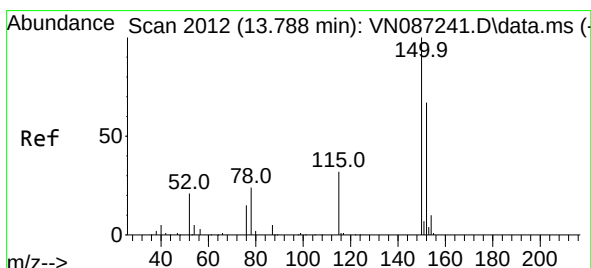
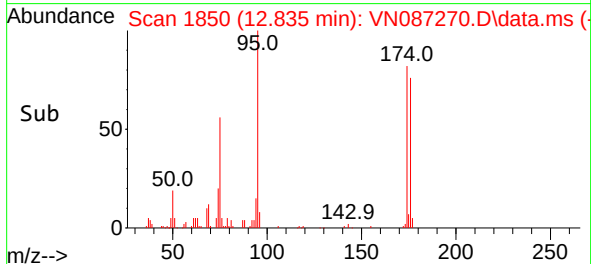
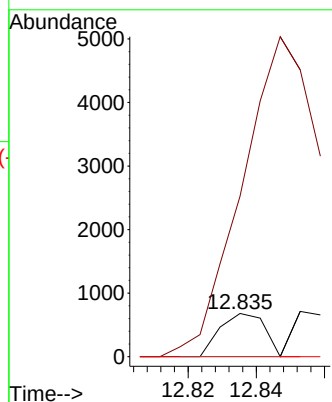
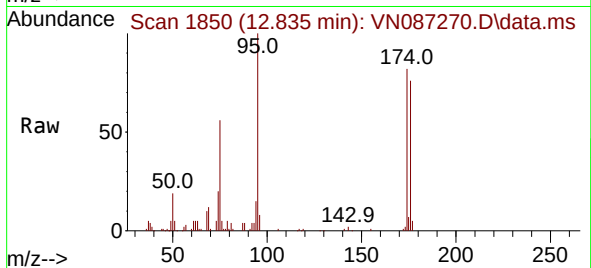
Instrument :

MSVOA_N

ClientSampleId :

G3(3)

Tgt Ion:	173	Resp:	618
Ion Ratio	Lower	Upper	
173	100		
175	1032.2	24.6	73.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

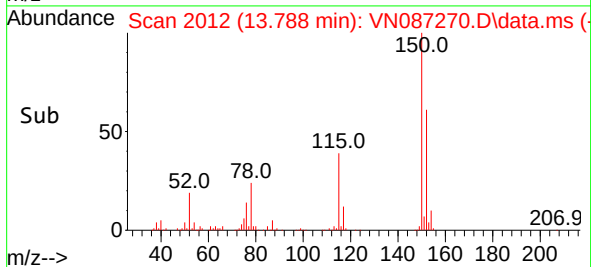
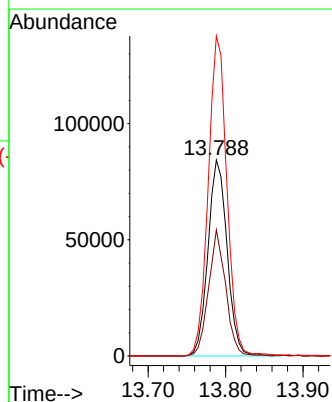
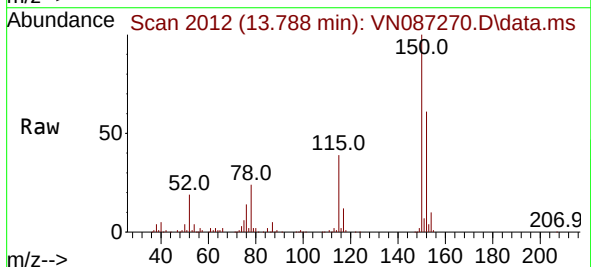
RT: 13.788 min Scan# 2012

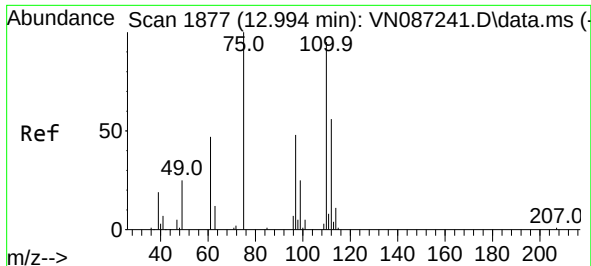
Delta R.T. -0.000 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

Tgt Ion:	152	Resp:	144966
Ion Ratio	Lower	Upper	
152	100		
115	57.7	28.3	84.9
150	159.3	0.0	344.6

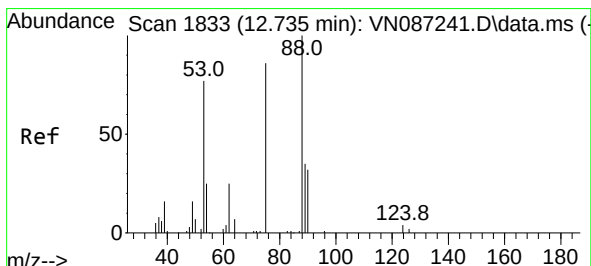
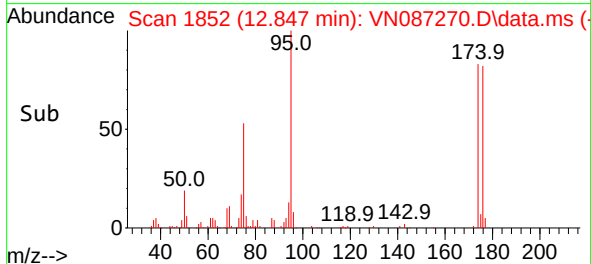
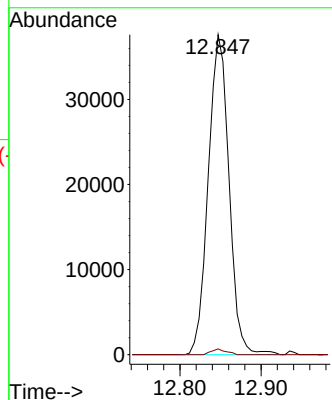
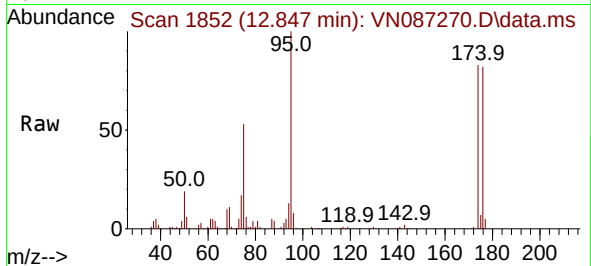




#76
1,2,3-Trichloropropane
Concen: 24.192 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 75 Resp: 66707
Ion Ratio Lower Upper
75 100
77 1.3 82.0 245.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.825 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 75 Resp: 66707
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

