

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087276.D
 Acq On : 03 Jul 2025 16:52
 Operator : JC\MD
 Sample : Q2487-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G4(1.5)

Quant Time: Jul 04 01:34:45 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

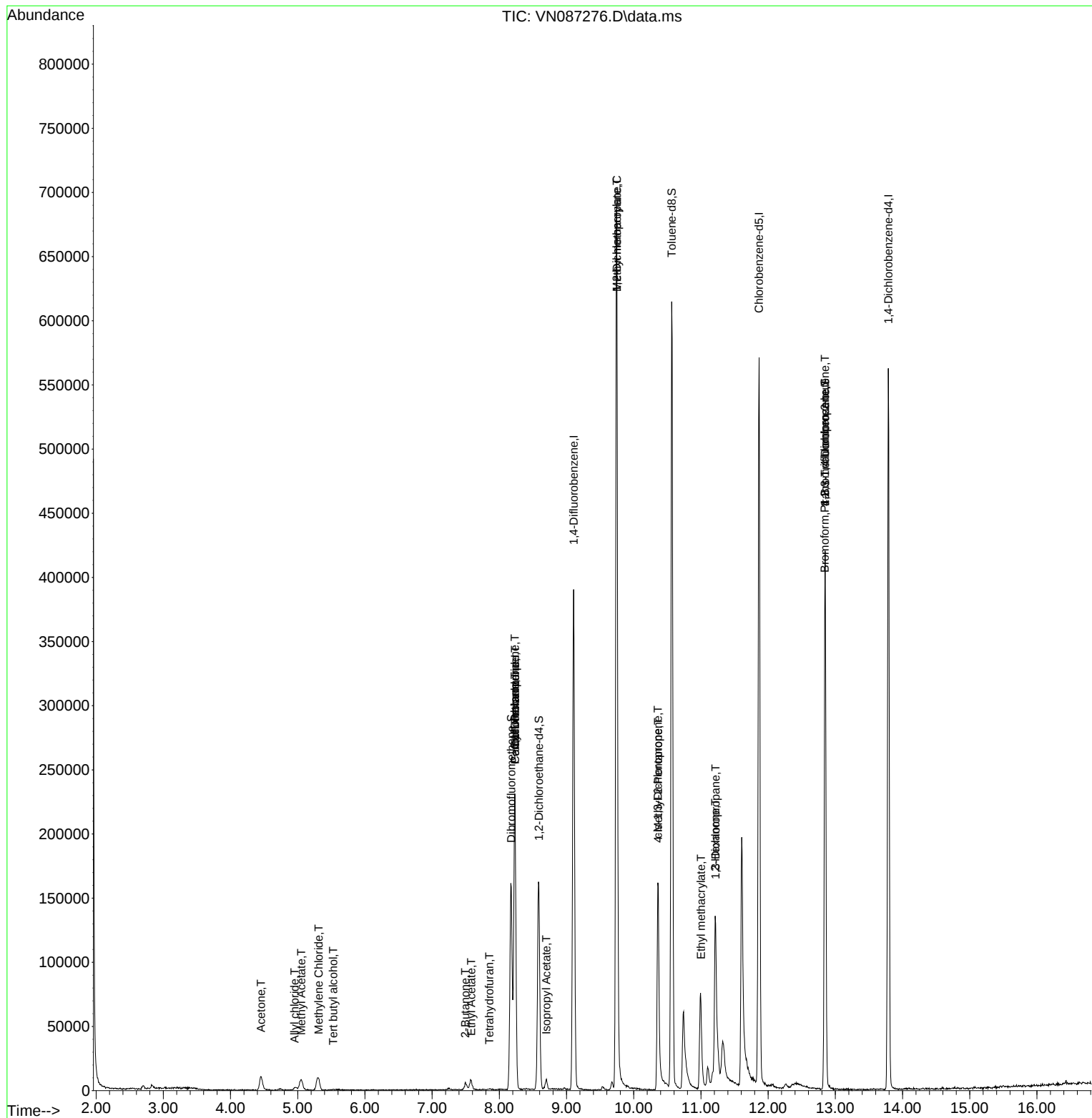
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	179908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	136869	60.617	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.240%	
35) Dibromofluoromethane	8.177	113	118753	53.063	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.120%	
50) Toluene-d8	10.565	98	442974	50.781	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.560%	
62) 4-Bromofluorobenzene	12.847	95	148809	47.944	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.880%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	1039	2.525	ug/l #	72
14) Allyl chloride	4.953	41	4135	2.017	ug/l #	22
16) Acetone	4.454	43	21524	24.934	ug/l	99
18) Methyl Acetate	5.053	43	18159	9.189	ug/l	99
20) Methylene Chloride	5.312	84	9188	4.805	ug/l	96
25) 2-Butanone	7.494	43	8632	6.399	ug/l	97
29) Tetrahydrofuran	7.853	42	206	0.237	ug/l #	25
31) Cyclohexane	8.230	56	3566	1.160	ug/l #	50
36) 1,1-Dichloropropene	8.230	75	13206	4.339	ug/l #	46
37) Ethyl Acetate	7.583	43	12004	3.669	ug/l	99
38) Carbon Tetrachloride	8.236	117	17604	5.105	ug/l #	17
43) Isopropyl Acetate	8.700	43	7988	1.574	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	861	0.419	ug/l #	45
48) Methyl methacrylate	9.747	41	68479	32.024	ug/l #	34
51) 4-Methyl-2-Pentanone	10.365	43	68421	22.041	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	37539	10.299	ug/l #	67
56) Ethyl methacrylate	11.000	69	1246	0.364	ug/l #	1
57) 1,3-Dichloropropane	11.218	76	2310	0.606	ug/l #	41
59) 2-Hexanone	11.212	43	23899	10.748	ug/l #	58
71) Bromoform	12.841	173	1386	0.668	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73821	23.914	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73821	56.172	ug/l #	14

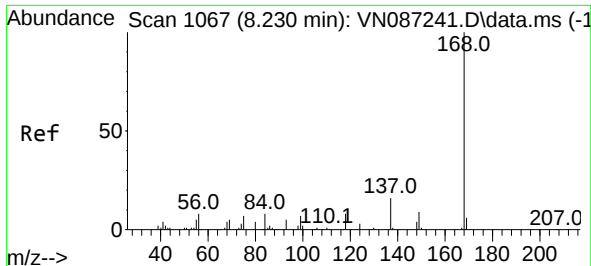
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087276.D
Acq On : 03 Jul 2025 16:52
Operator : JC\MD
Sample : Q2487-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Quant Time: Jul 04 01:34:45 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

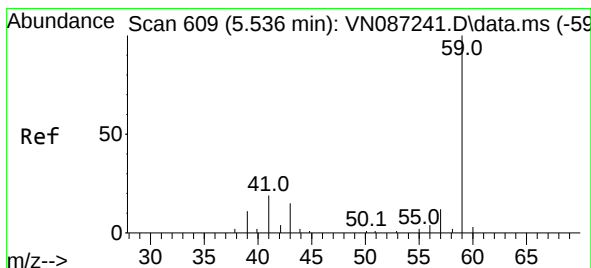
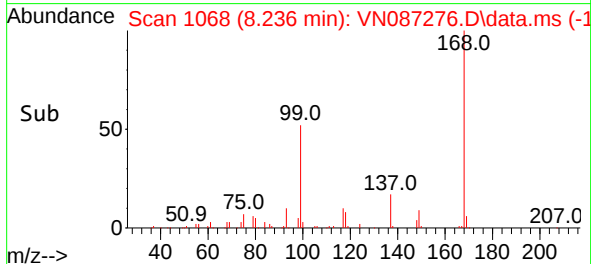
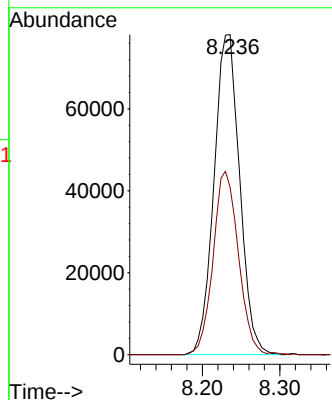
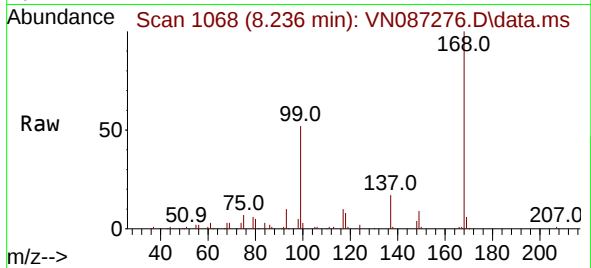




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

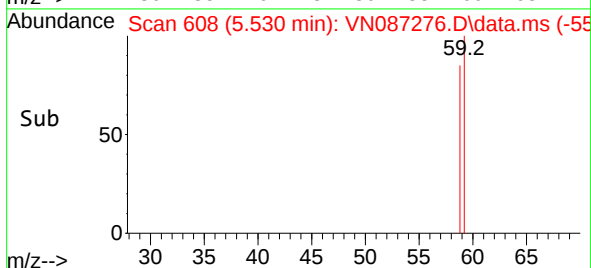
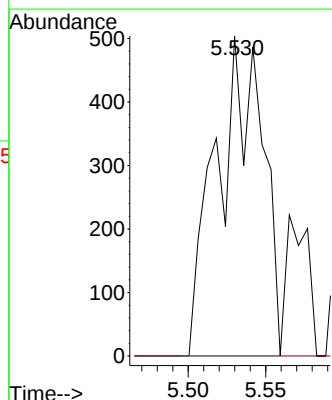
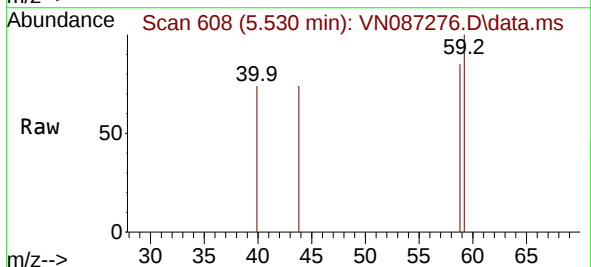
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

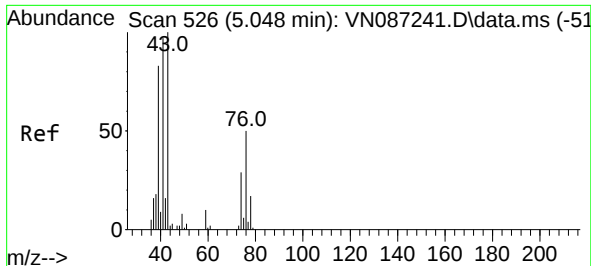
Tgt Ion:168 Resp: 179908
Ion Ratio Lower Upper
168 100
99 52.3 42.6 64.0



#11
Tert butyl alcohol
Concen: 2.525 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

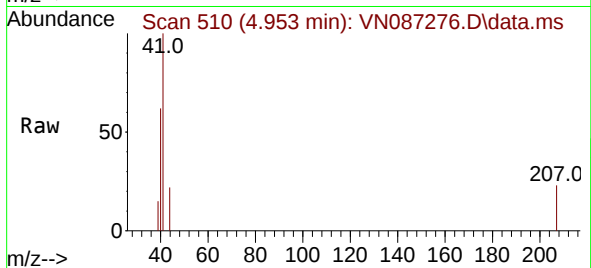
Tgt Ion: 59 Resp: 1039
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



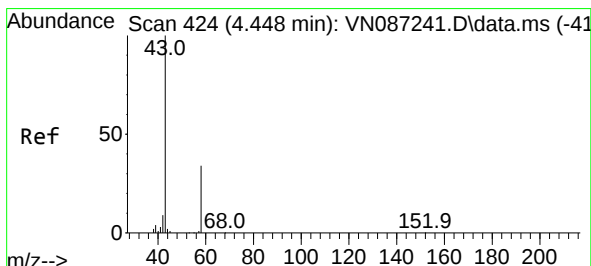
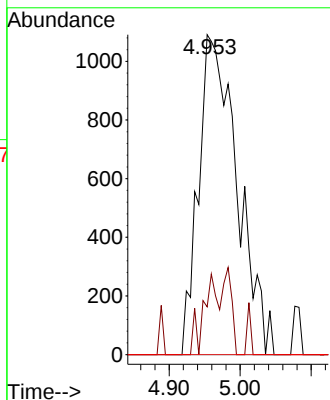
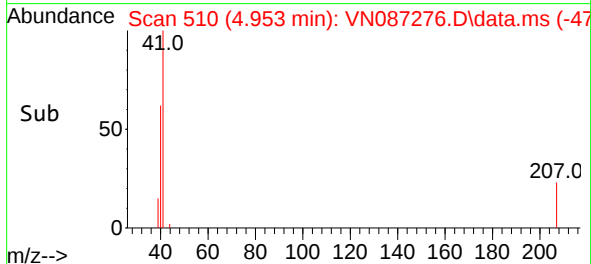


#14
Allyl chloride
Concen: 2.017 ug/l
RT: 4.953 min Scan# 511
Delta R.T. -0.094 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

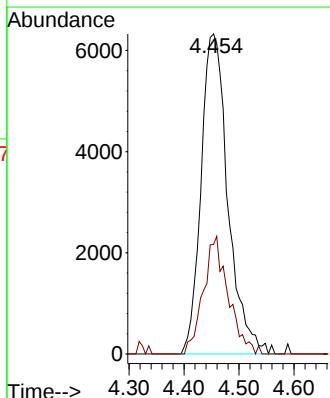
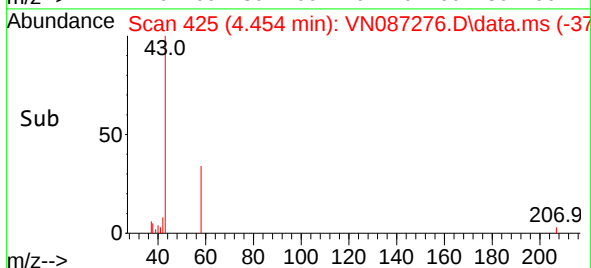
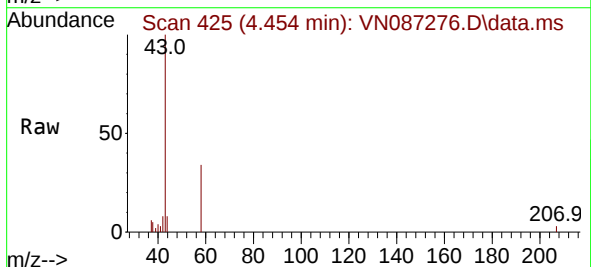


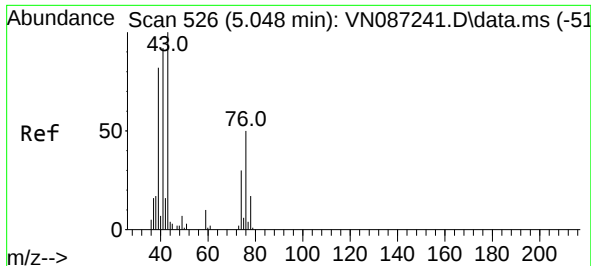
Tgt Ion: 41 Resp: 4135
Ion Ratio Lower Upper
41 100
39 9.7 66.3 99.5#
76 0.0 38.6 58.0#



#16
Acetone
Concen: 24.934 ug/l
RT: 4.454 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 43 Resp: 21524
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7

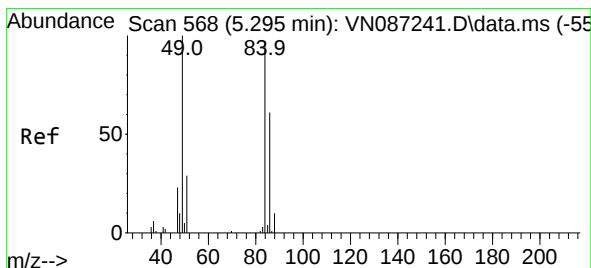
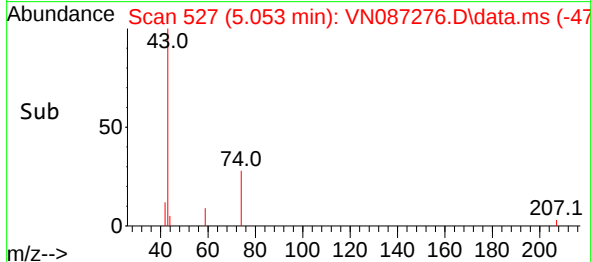
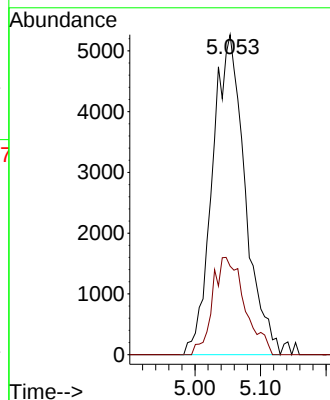
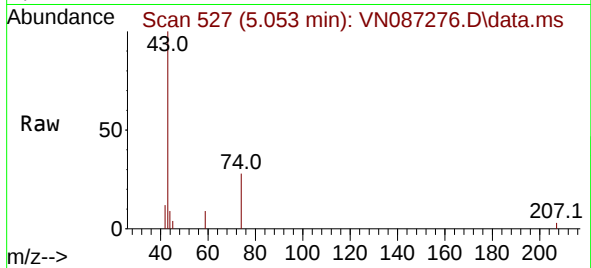




#18
Methyl Acetate
Concen: 9.189 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

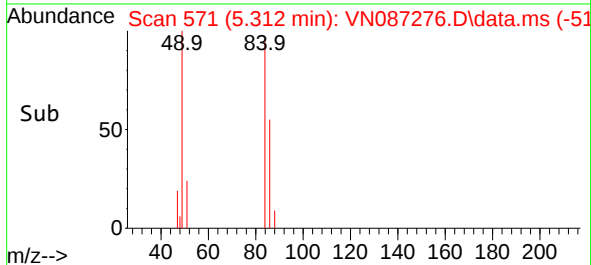
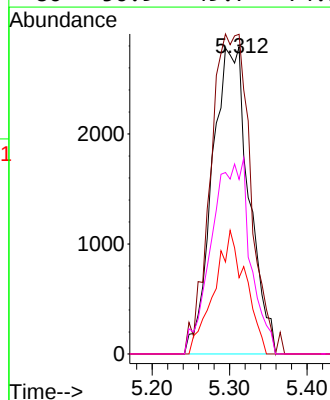
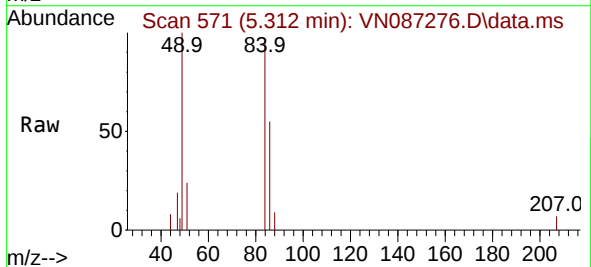
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

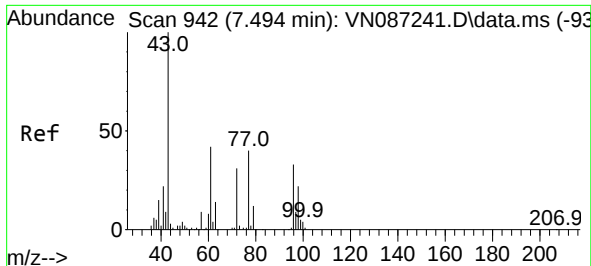
Tgt Ion: 43 Resp: 18159
Ion Ratio Lower Upper
43 100
74 30.1 23.8 35.6



#20
Methylene Chloride
Concen: 4.805 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 84 Resp: 9188
Ion Ratio Lower Upper
84 100
49 104.1 82.1 123.1
51 24.9 23.5 35.3
86 56.9 49.7 74.5

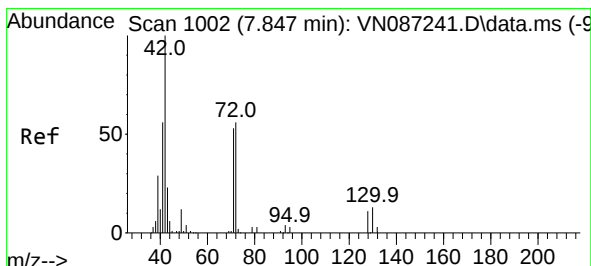
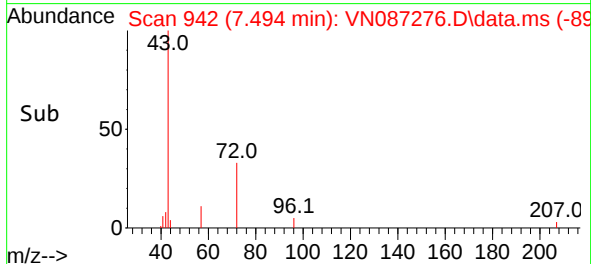
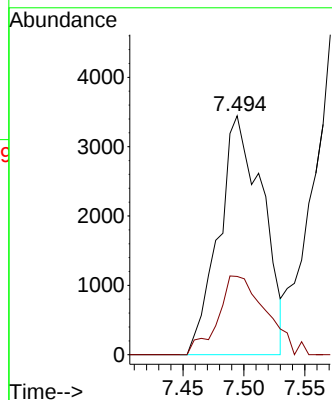
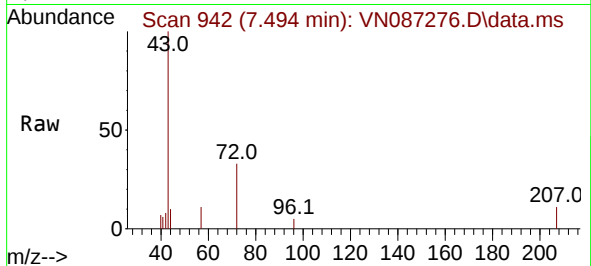




#25
2-Butanone
Concen: 6.399 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

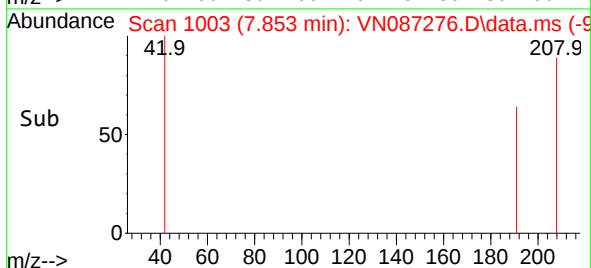
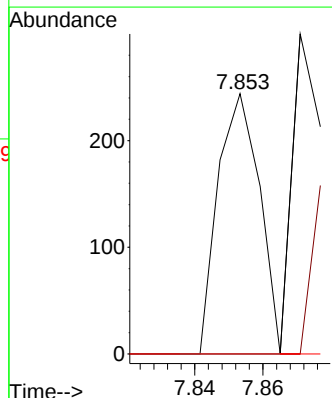
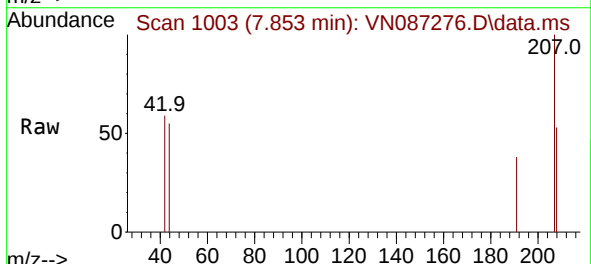
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

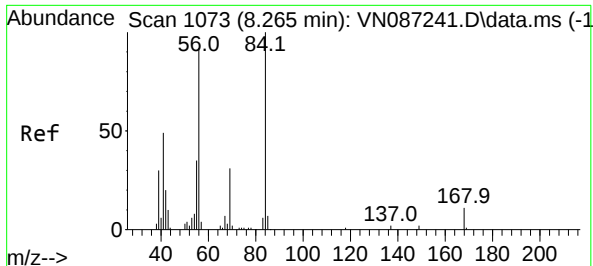
Tgt Ion: 43 Resp: 8632
Ion Ratio Lower Upper
43 100
72 32.7 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 42 Resp: 206
Ion Ratio Lower Upper
42 100
72 0.0 44.2 66.4#
71 0.0 41.1 61.7#

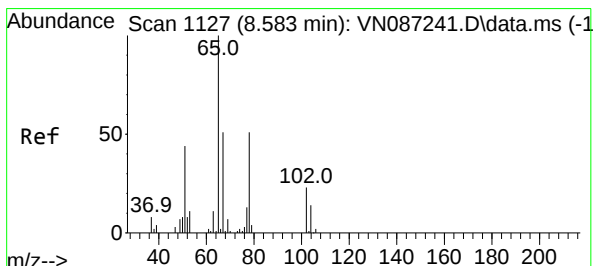
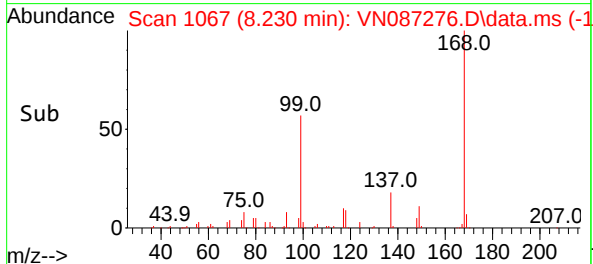
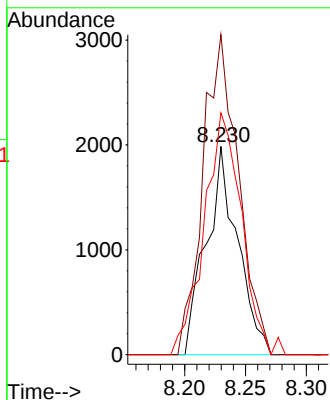
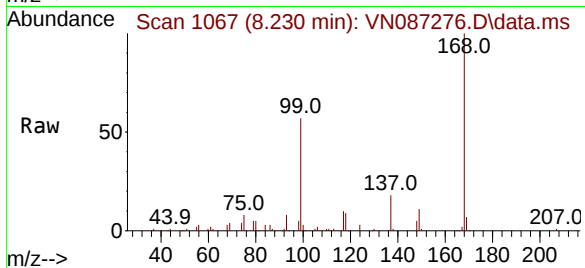




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

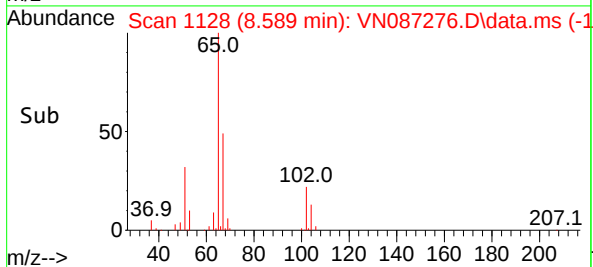
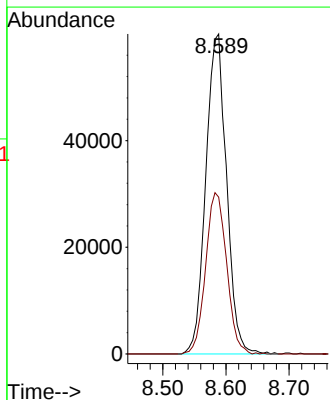
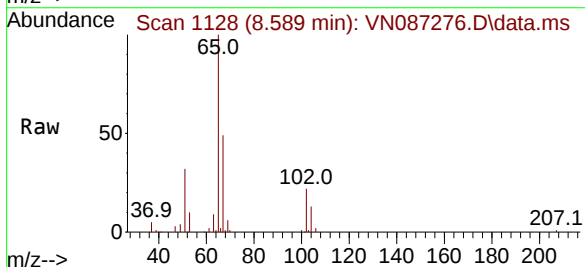
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

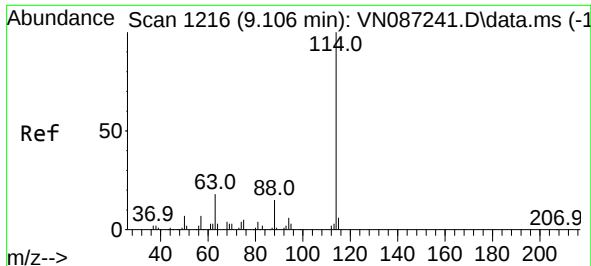
Tgt Ion: 56 Resp: 3566
Ion Ratio Lower Upper
56 100
69 153.7 27.0 40.6#
84 107.8 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 60.617 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 65 Resp: 136869
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.6

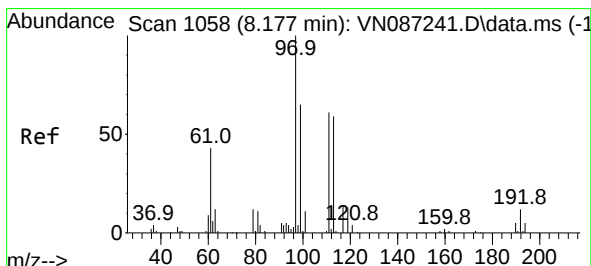
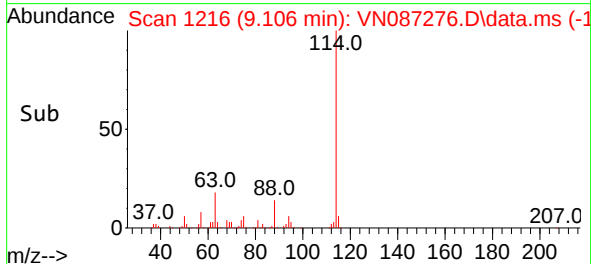
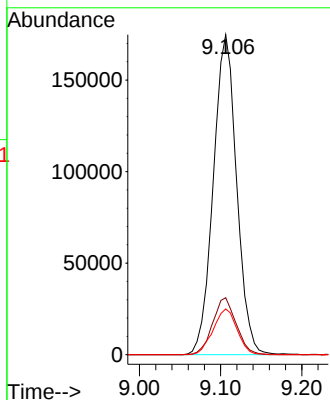
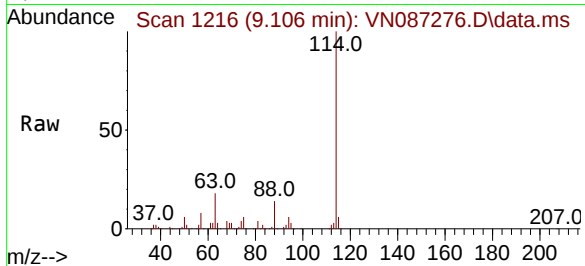




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

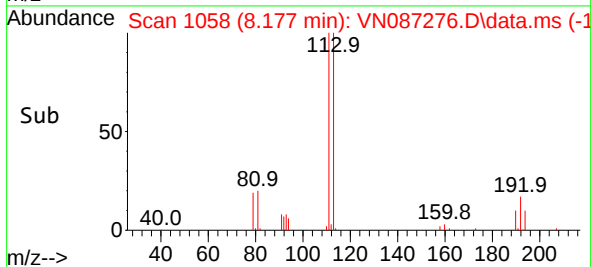
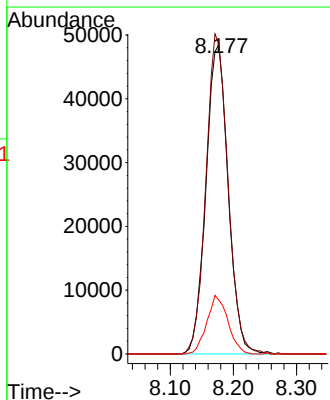
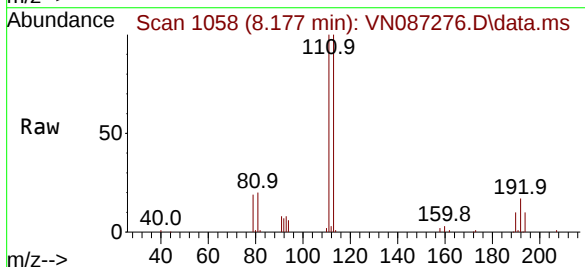
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

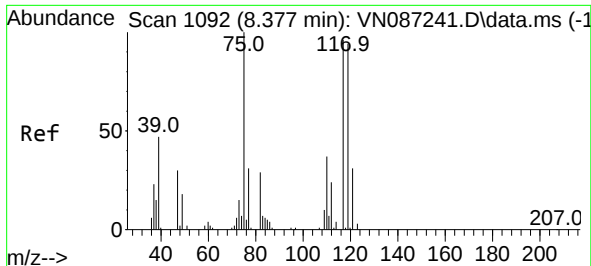
Tgt Ion:114 Resp: 349516
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.6
88 14.3 0.0 29.6



#35
Dibromofluoromethane
Concen: 53.063 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion:113 Resp: 118753
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 17.9 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.339 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087276.D

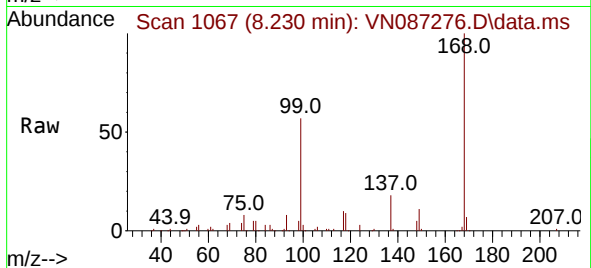
Acq: 03 Jul 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

G4(1.5)



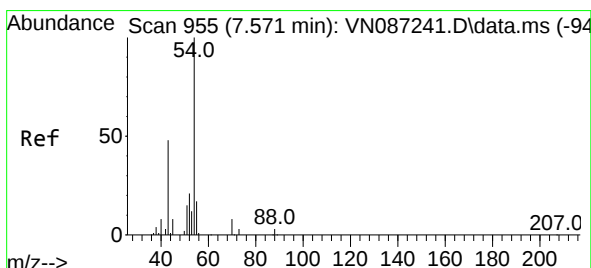
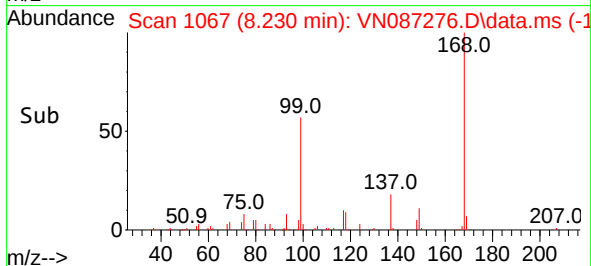
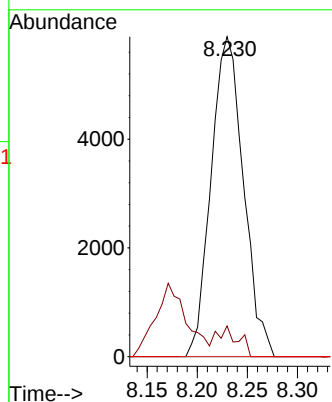
Tgt Ion: 75 Resp: 13206

Ion Ratio Lower Upper

75 100

110 6.2 18.7 56.1#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 3.669 ug/l

RT: 7.583 min Scan# 957

Delta R.T. 0.012 min

Lab File: VN087276.D

Acq: 03 Jul 2025 16:52

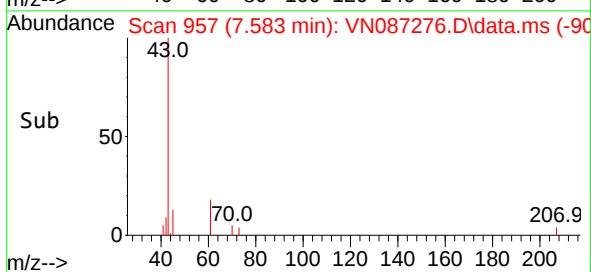
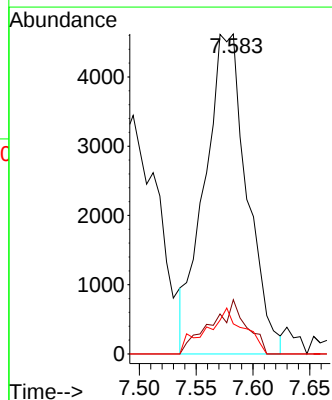
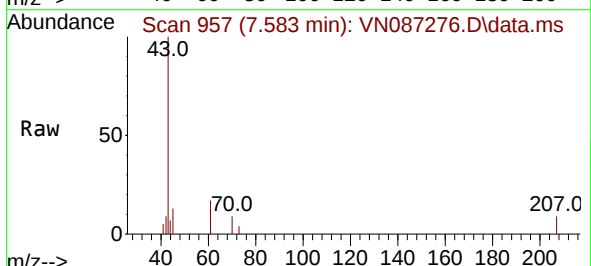
Tgt Ion: 43 Resp: 12004

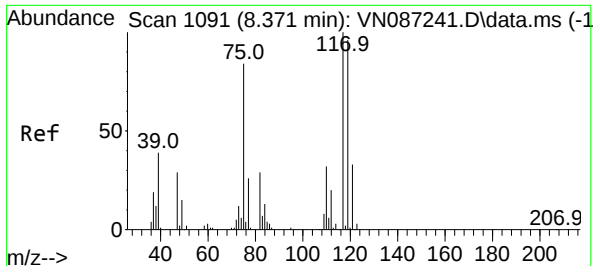
Ion Ratio Lower Upper

43 100

61 14.3 11.3 16.9

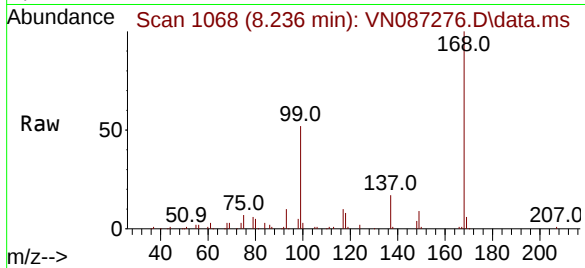
70 12.7 9.9 14.9



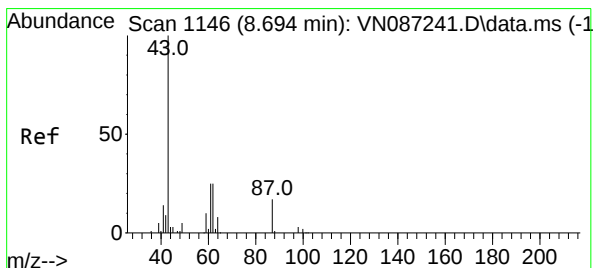
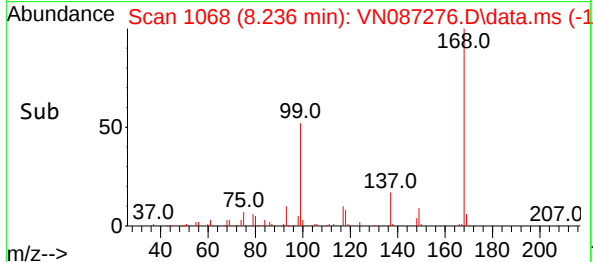
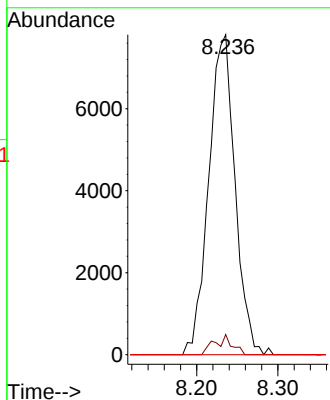


#38
Carbon Tetrachloride
Concen: 5.105 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

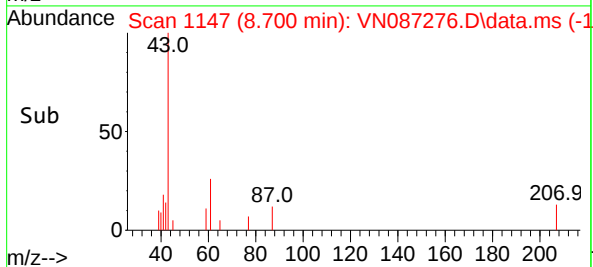
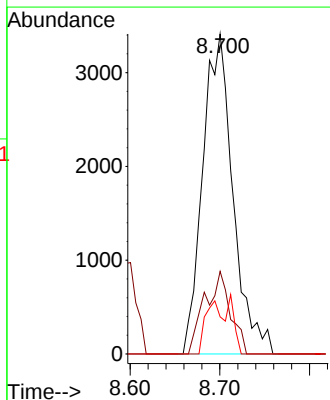
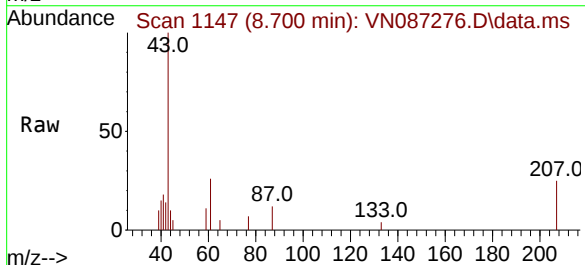


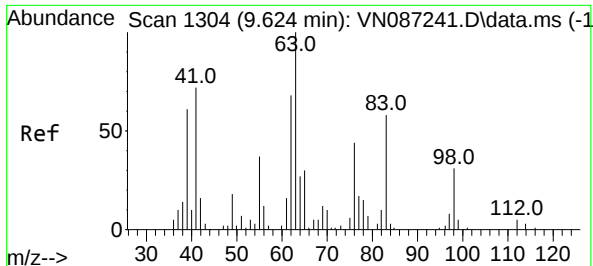
Tgt Ion:117 Resp: 17604
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 26.6 39.8#



#43
Isopropyl Acetate
Concen: 1.574 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 43 Resp: 7988
Ion Ratio Lower Upper
43 100
61 21.9 22.4 33.6#
87 13.6 12.8 19.2





#45

1,2-Dichloropropane

Concen: 0.419 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN087276.D

Acq: 03 Jul 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

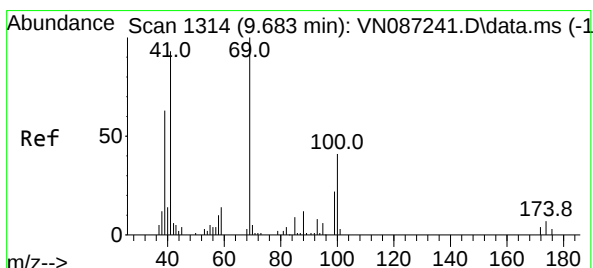
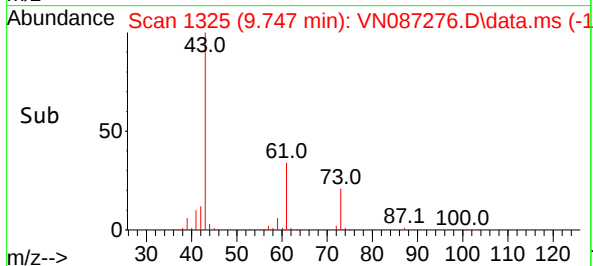
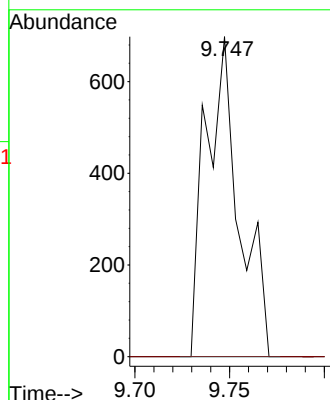
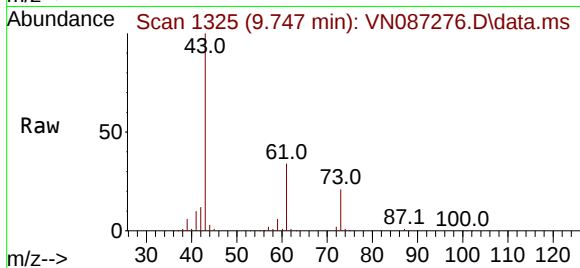
G4(1.5)

Tgt Ion: 63 Resp: 861

Ion Ratio Lower Upper

63 100

65 0.0 23.8 35.8#



#48

Methyl methacrylate

Concen: 32.024 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN087276.D

Acq: 03 Jul 2025 16:52

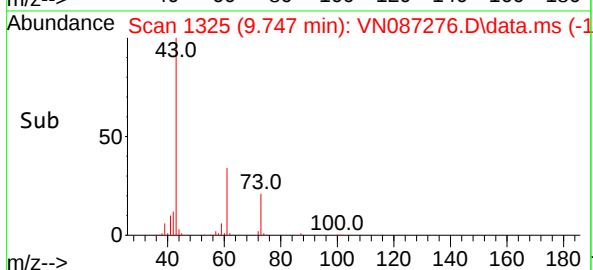
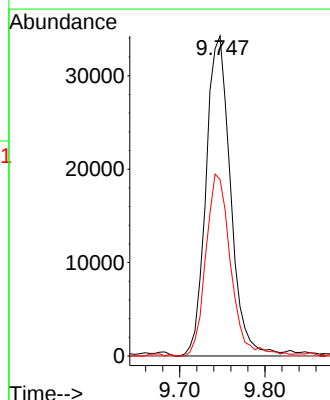
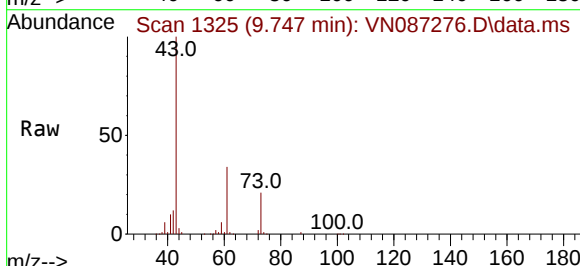
Tgt Ion: 41 Resp: 68479

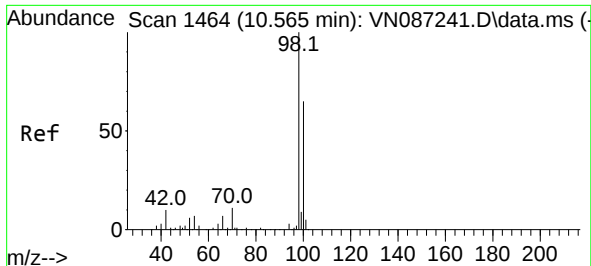
Ion Ratio Lower Upper

41 100

69 0.0 81.4 122.2#

39 57.7 56.9 85.3

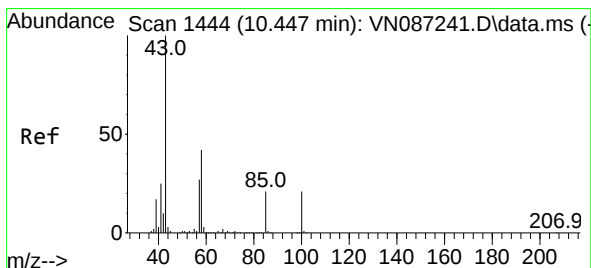
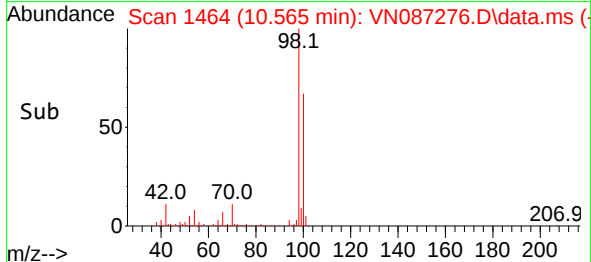
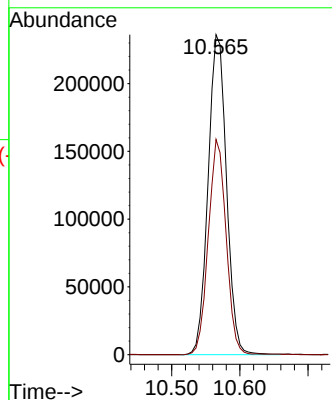
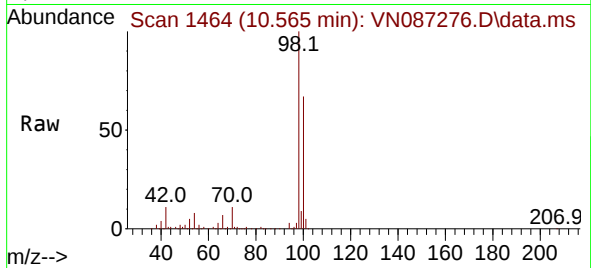




#50
Toluene-d8
Concen: 50.781 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

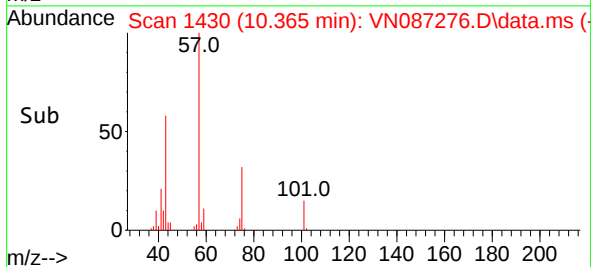
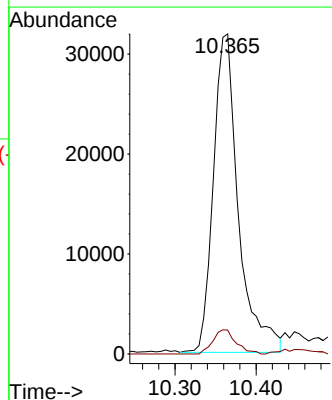
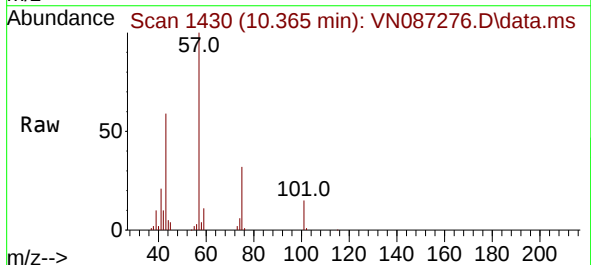
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

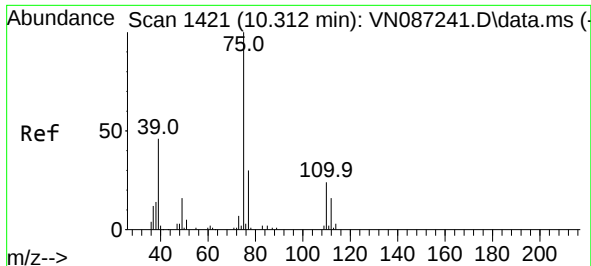
Tgt Ion: 98 Resp: 442974
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 22.041 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 43 Resp: 68421
Ion Ratio Lower Upper
43 100
58 7.0 34.2 51.2#

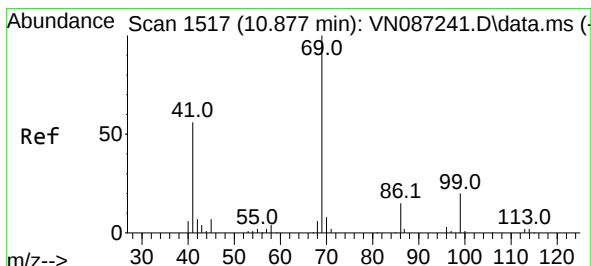
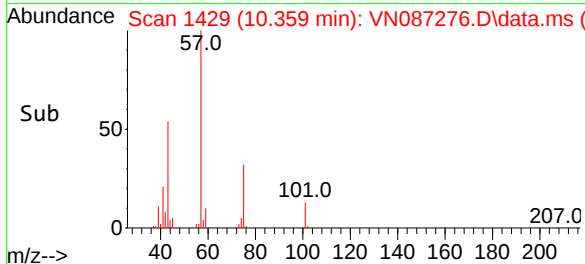
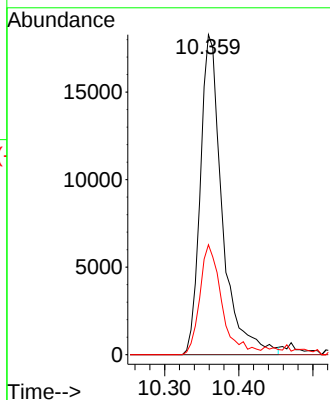
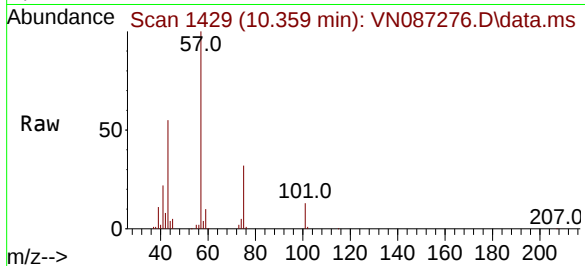




#54
 cis-1,3-Dichloropropene
 Concen: 10.299 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN087276.D
 Acq: 03 Jul 2025 16:52

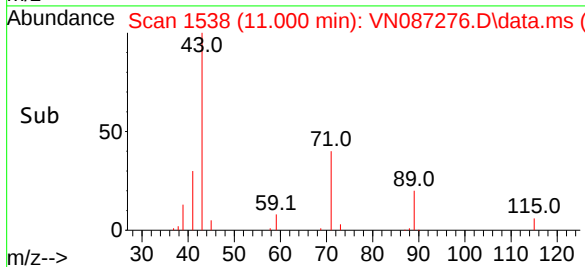
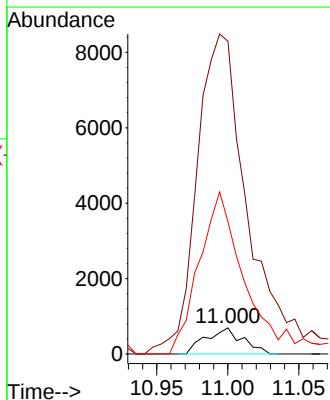
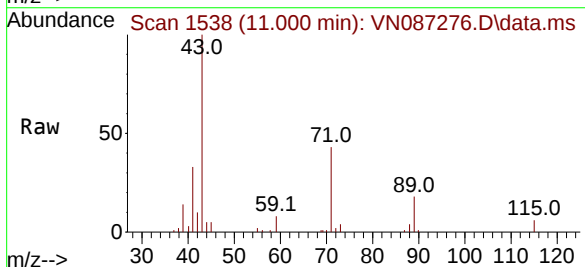
Instrument :
 MSVOA_N
 ClientSampleId :
 G4(1.5)

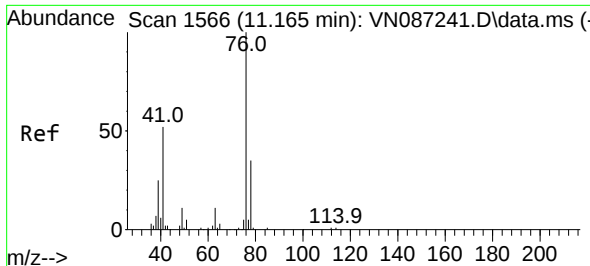
Tgt Ion: 75 Resp: 37539
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 34.3 36.7 55.1#



#56
 Ethyl methacrylate
 Concen: 0.364 ug/l
 RT: 11.000 min Scan# 1538
 Delta R.T. 0.123 min
 Lab File: VN087276.D
 Acq: 03 Jul 2025 16:52

Tgt Ion: 69 Resp: 1246
 Ion Ratio Lower Upper
 69 100
 41 1720.5 44.2 66.4#
 39 778.1 29.5 44.3#





#57

1,3-Dichloropropane

Concen: 0.606 ug/l

RT: 11.218 min Scan# 1575

Delta R.T. 0.053 min

Lab File: VN087276.D

Acq: 03 Jul 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

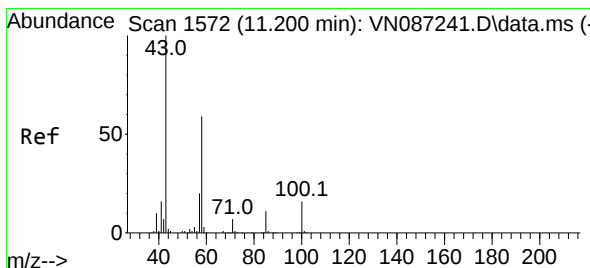
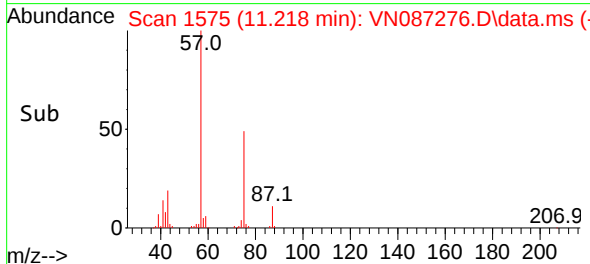
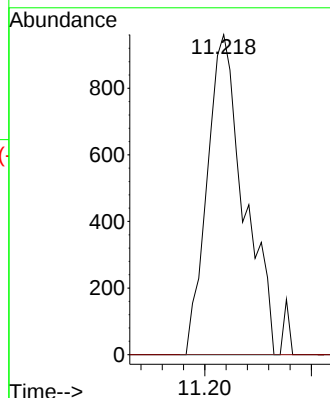
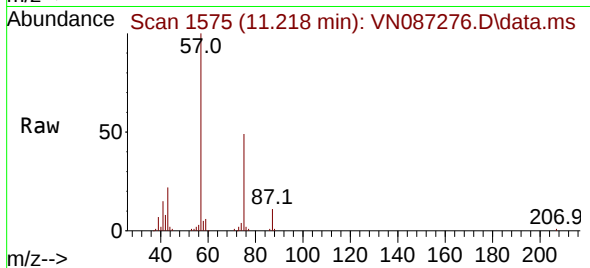
G4(1.5)

Tgt Ion: 76 Resp: 2310

Ion Ratio Lower Upper

76 100

78 0.0 27.1 40.7#



#59

2-Hexanone

Concen: 10.748 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.012 min

Lab File: VN087276.D

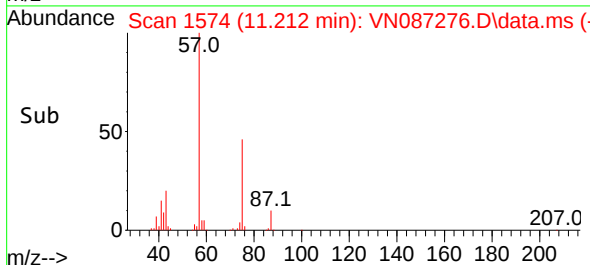
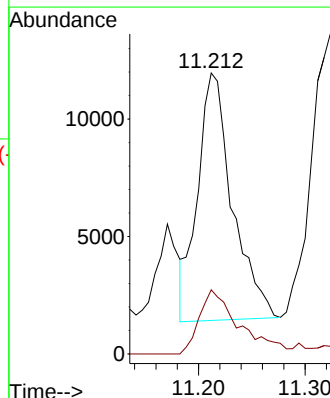
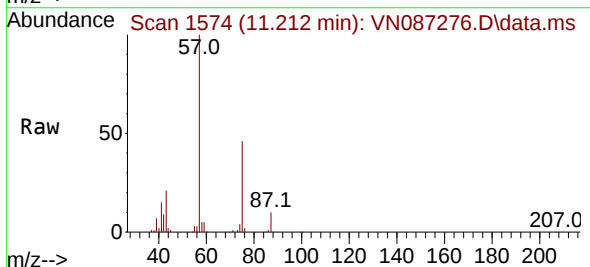
Acq: 03 Jul 2025 16:52

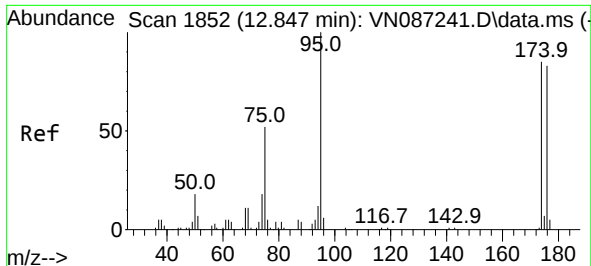
Tgt Ion: 43 Resp: 23899

Ion Ratio Lower Upper

43 100

58 30.0 31.1 93.3#

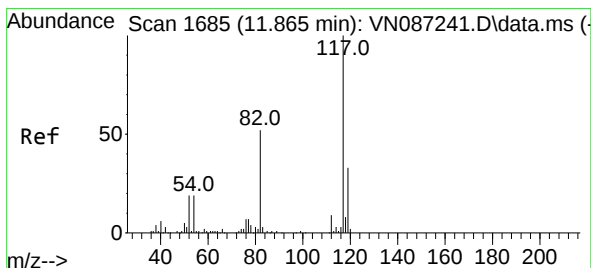
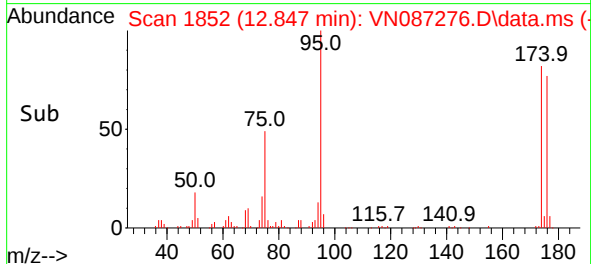
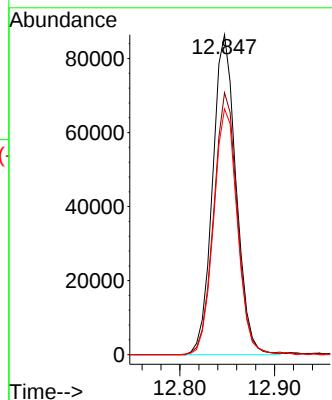
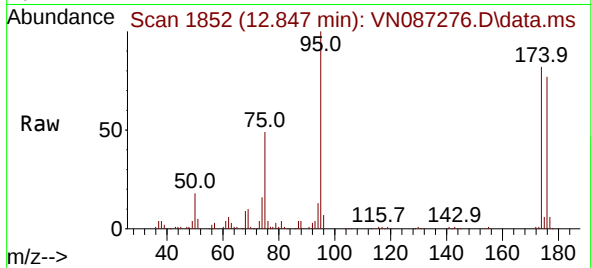




#62
4-Bromofluorobenzene
Concen: 47.944 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

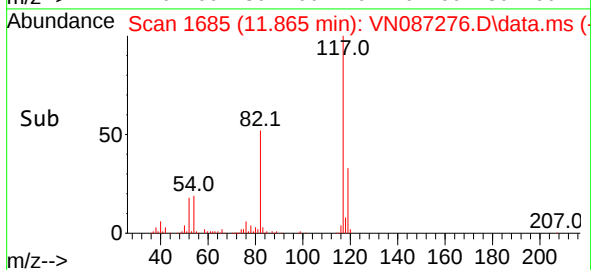
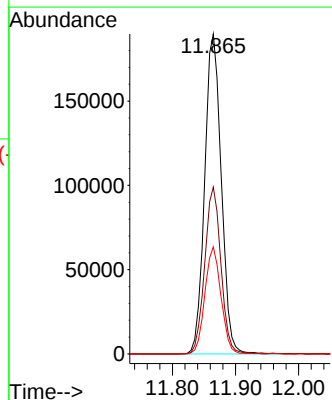
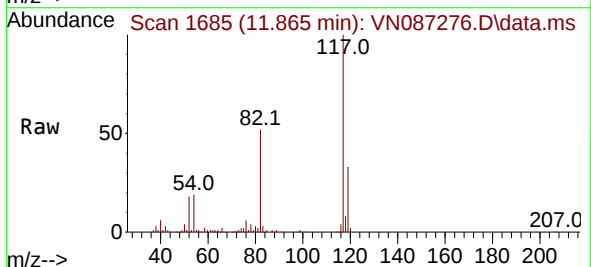
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

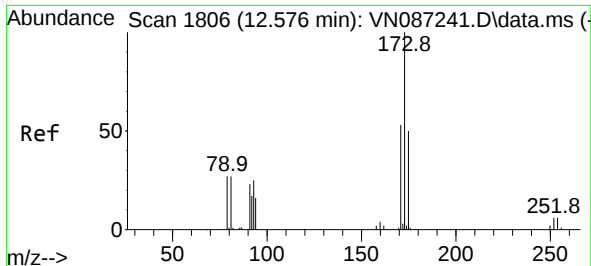
Tgt Ion: 95 Resp: 148809
Ion Ratio Lower Upper
95 100
174 83.0 0.0 169.6
176 78.0 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 117 Resp: 347283
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 33.5 26.2 39.4

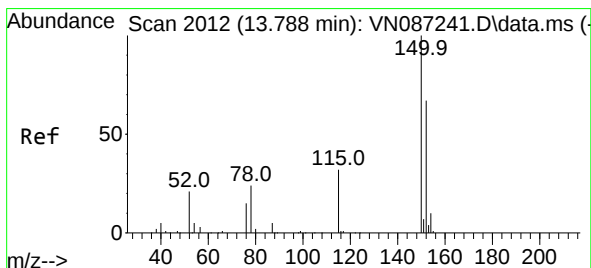
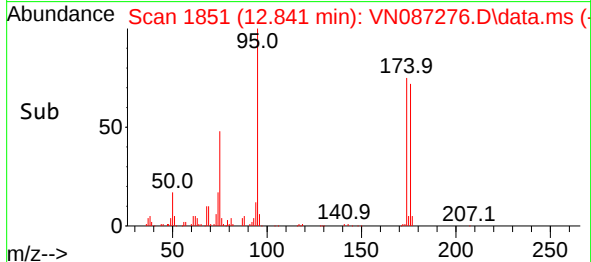
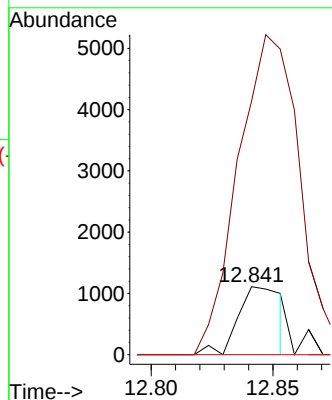
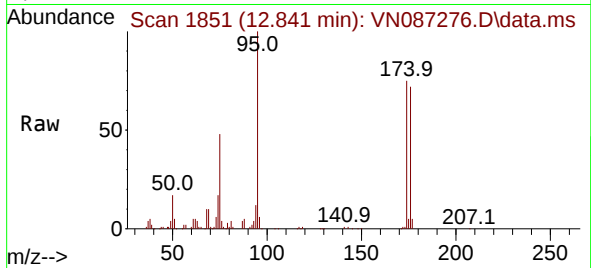




#71
Bromoform
Concen: 0.668 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

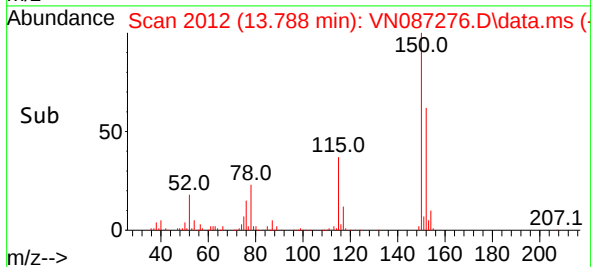
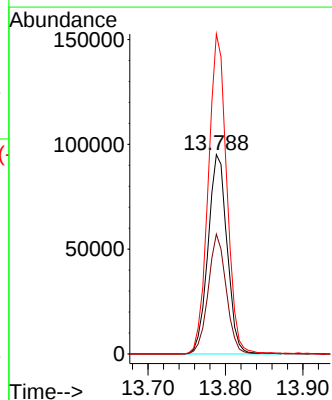
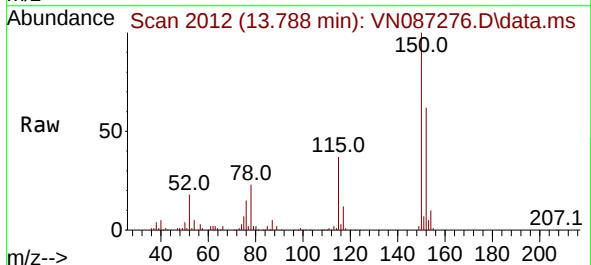
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

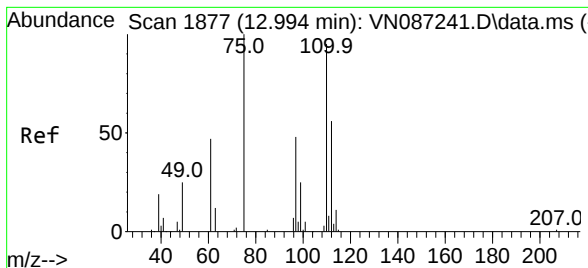
Tgt Ion:173 Resp: 1386
Ion Ratio Lower Upper
173 100
175 493.1 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion:152 Resp: 162292
Ion Ratio Lower Upper
152 100
115 56.9 28.3 84.9
150 155.8 0.0 344.6

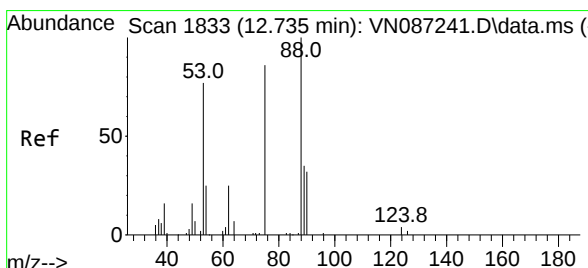
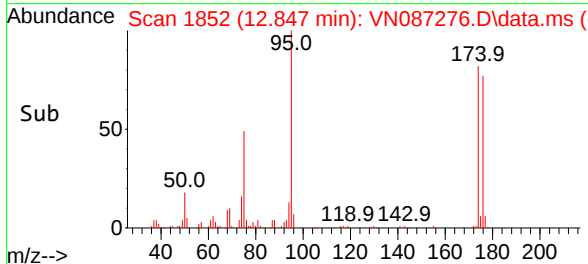
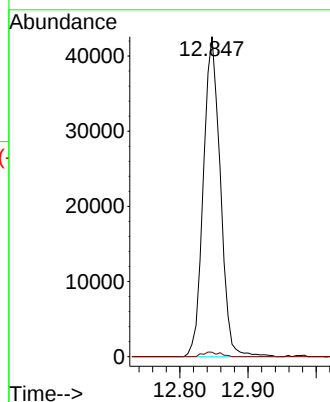
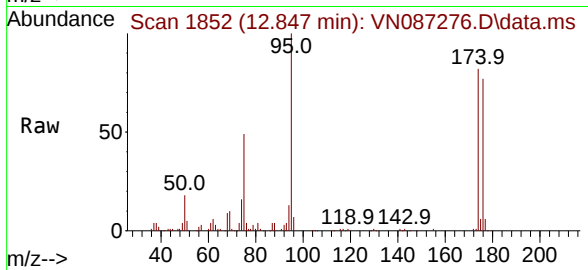




#76
1,2,3-Trichloropropane
Concen: 23.914 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion: 75 Resp: 73821
Ion Ratio Lower Upper
75 100
77 1.5 82.0 245.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.172 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 75 Resp: 73821
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

