

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087272.D
 Acq On : 03 Jul 2025 15:27
 Operator : JC\MD
 Sample : Q2487-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G2(9)

Quant Time: Jul 04 01:33:08 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)

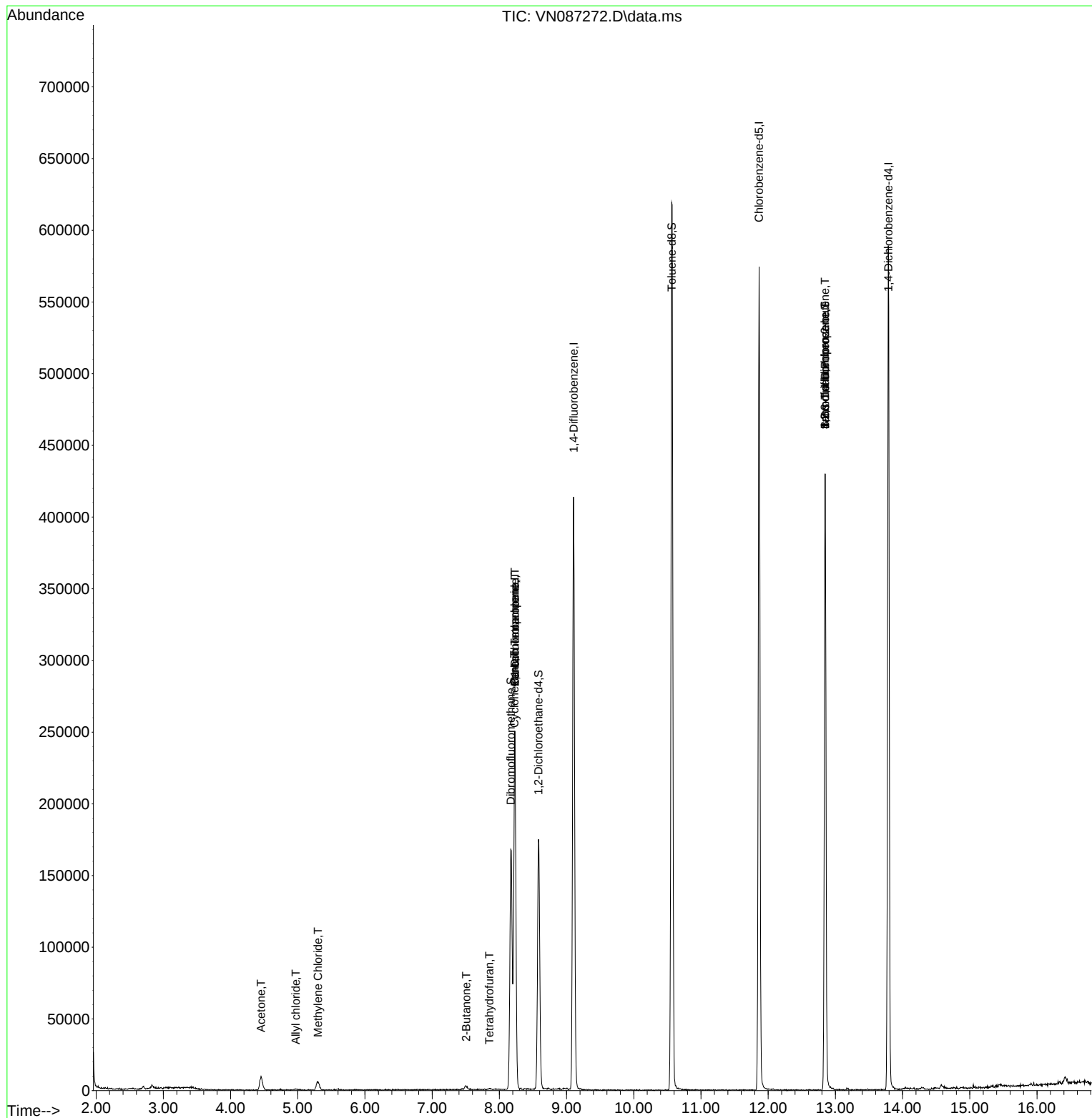
Internal Standards						
1) Pentafluorobenzene	8.230	168	190706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	375184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	145643	60.850	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.700%	
35) Dibromofluoromethane	8.171	113	127446	53.051	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.100%	
50) Toluene-d8	10.565	98	460114	49.137	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.847	95	154662	46.421	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.840%	
Target Compounds						
					Qvalue	
14) Allyl chloride	4.971	41	575	0.265	ug/l #	30
16) Acetone	4.453	43	17475	19.097	ug/l	93
20) Methylene Chloride	5.300	84	5843	2.882	ug/l	95
25) 2-Butanone	7.506	43	4878	3.411	ug/l	95
29) Tetrahydrofuran	7.853	42	507	0.550	ug/l #	51
31) Cyclohexane	8.224	56	3989	1.224	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	13795	4.223	ug/l #	48
38) Carbon Tetrachloride	8.230	117	19257	5.202	ug/l #	16
71) Bromoform	12.847	173	1332	0.638	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76600	23.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76600	55.458	ug/l #	14

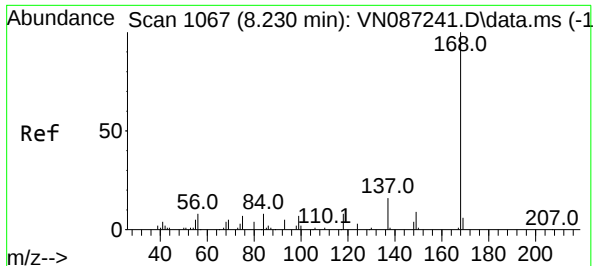
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
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G2(9)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

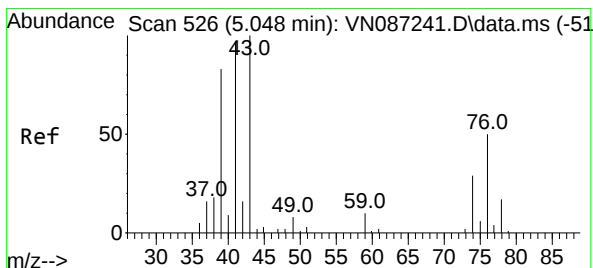
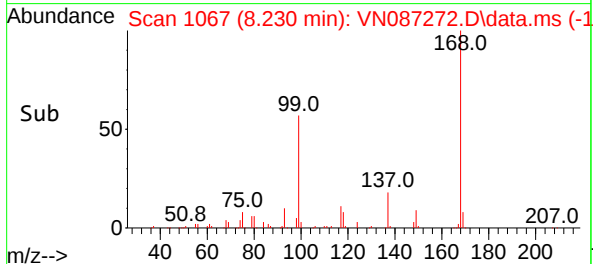
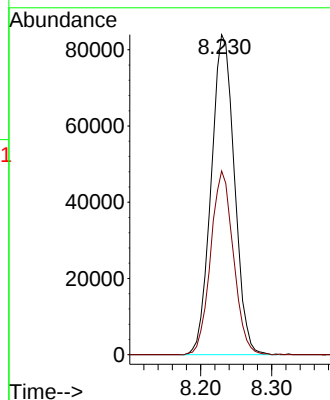
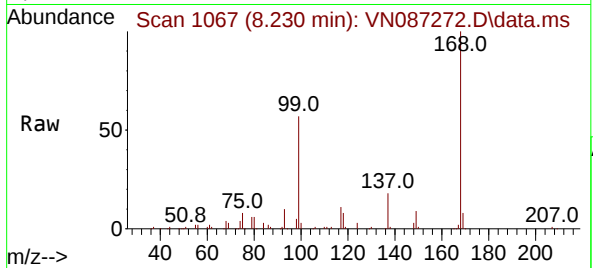




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

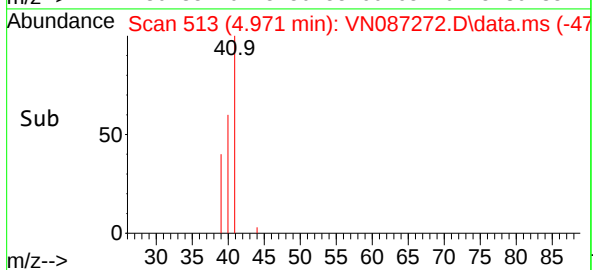
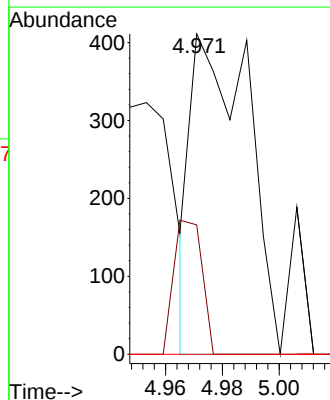
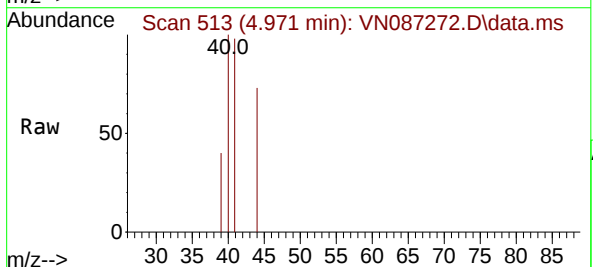
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

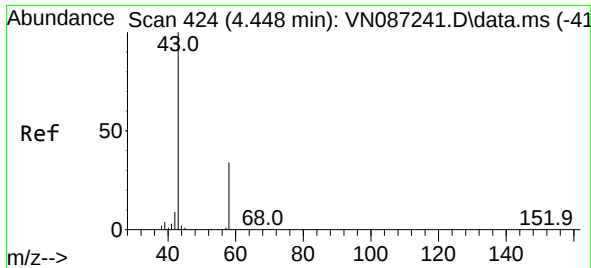
Tgt Ion:168 Resp: 190706
Ion Ratio Lower Upper
168 100
99 57.4 42.6 64.0



#14
Allyl chloride
Concen: 0.265 ug/l
RT: 4.971 min Scan# 513
Delta R.T. -0.077 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion: 41 Resp: 575
Ion Ratio Lower Upper
41 100
39 20.7 66.3 99.5#
76 0.0 38.6 58.0#

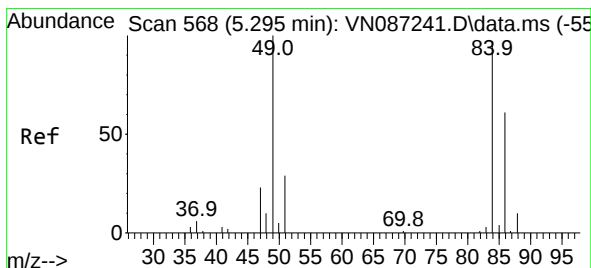
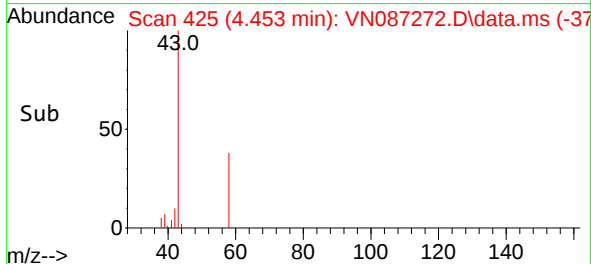
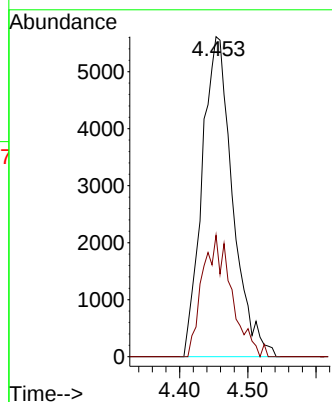
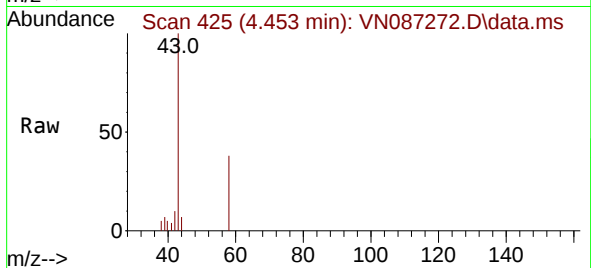




#16
Acetone
Concen: 19.097 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

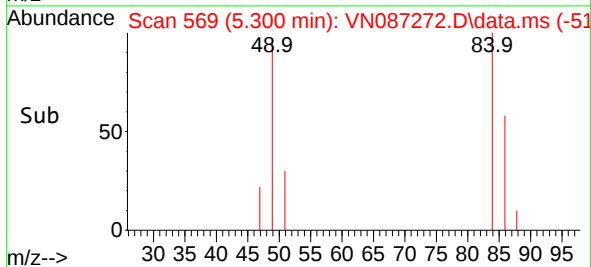
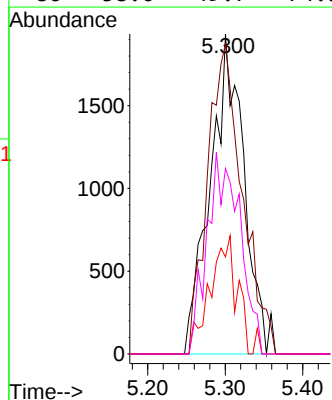
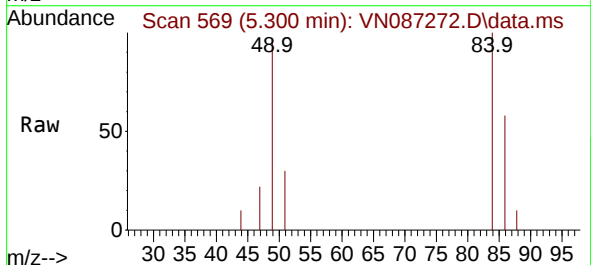
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

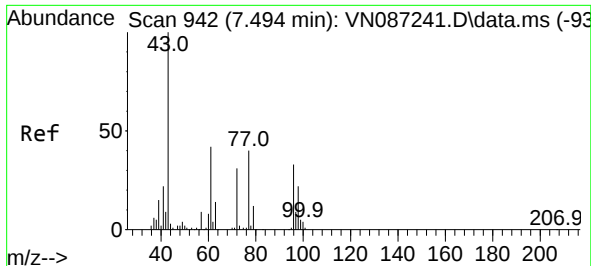
Tgt Ion: 43 Resp: 17475
Ion Ratio Lower Upper
43 100
58 38.0 27.1 40.7



#20
Methylene Chloride
Concen: 2.882 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion: 84 Resp: 5843
Ion Ratio Lower Upper
84 100
49 96.8 82.1 123.1
51 30.3 23.5 35.3
86 58.0 49.7 74.5

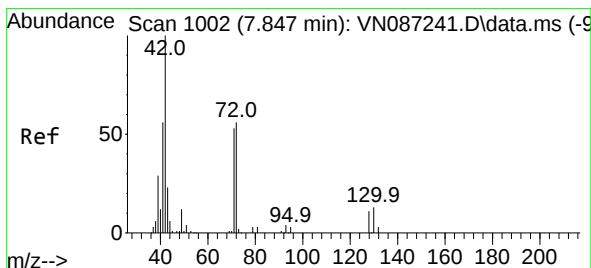
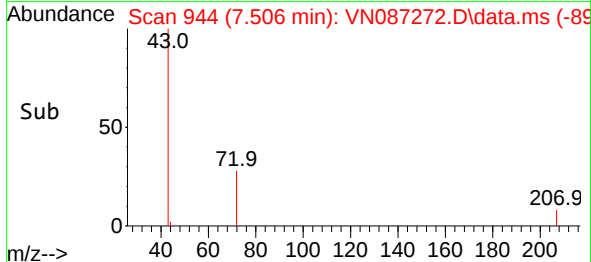
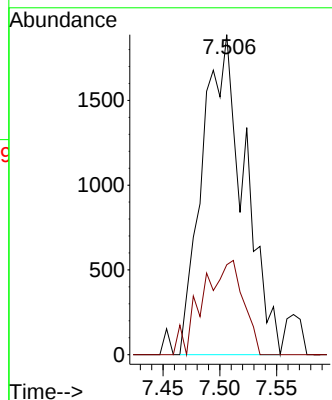
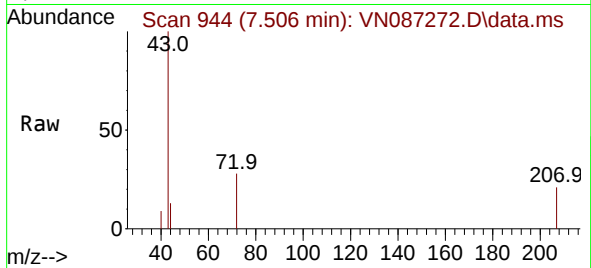




#25
2-Butanone
Concen: 3.411 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

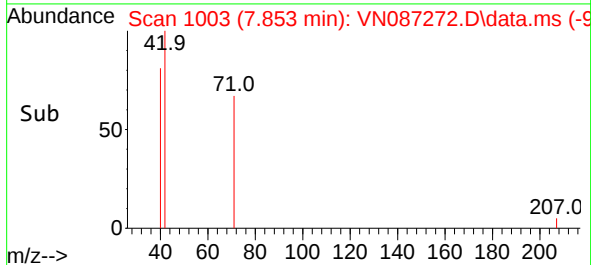
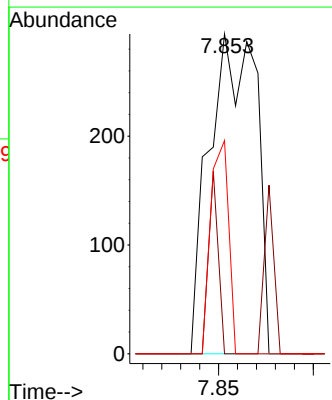
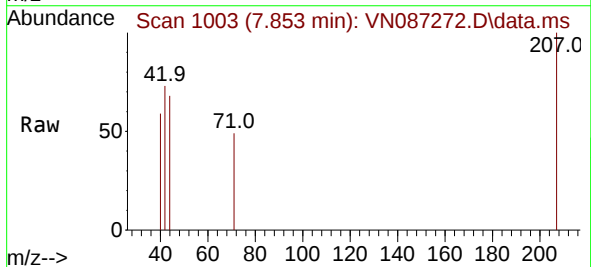
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

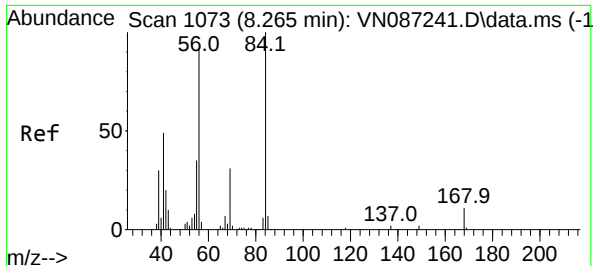
Tgt Ion: 43 Resp: 4878
Ion Ratio Lower Upper
43 100
72 28.1 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.550 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion: 42 Resp: 507
Ion Ratio Lower Upper
42 100
72 11.6 44.2 66.4#
71 25.4 41.1 61.7#

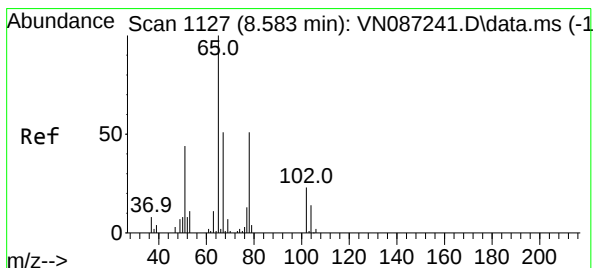
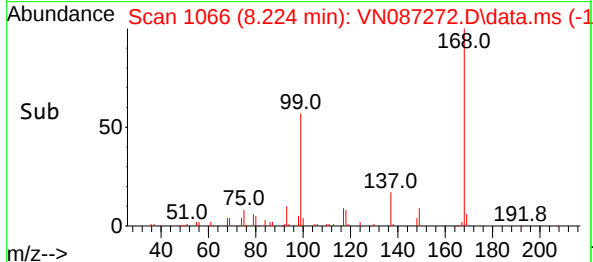
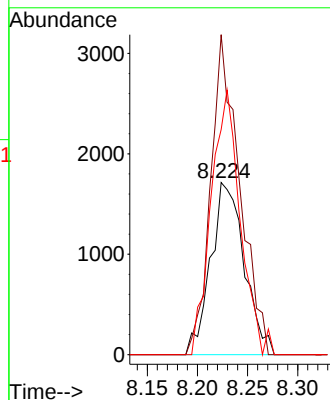
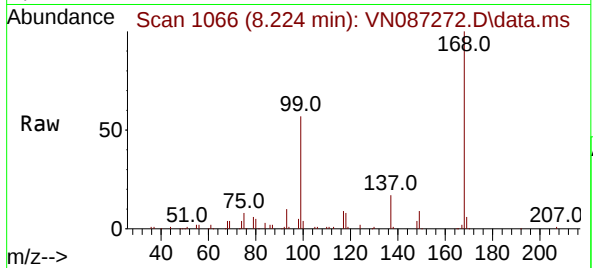




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

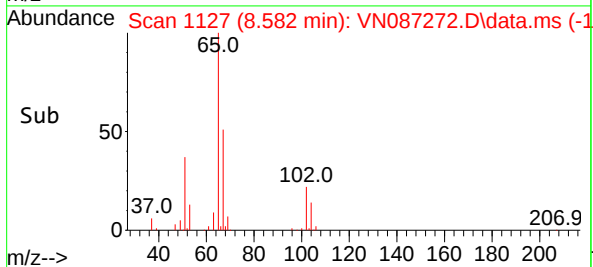
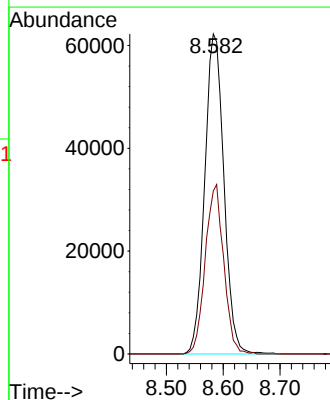
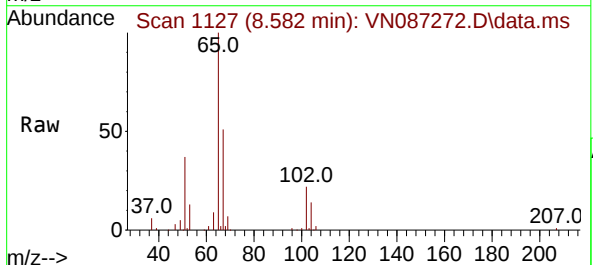
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

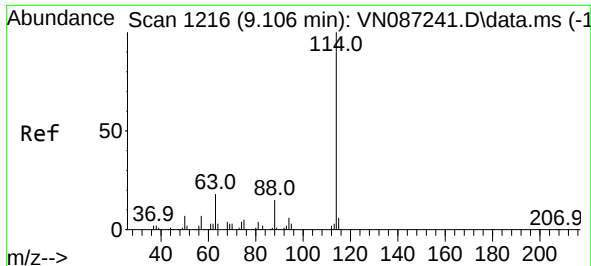
Tgt Ion: 56 Resp: 3989
Ion Ratio Lower Upper
56 100
69 185.8 27.0 40.6#
84 130.7 86.2 129.4#



#33
1,2-Dichloroethane-d4
Concen: 60.850 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion: 65 Resp: 145643
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6

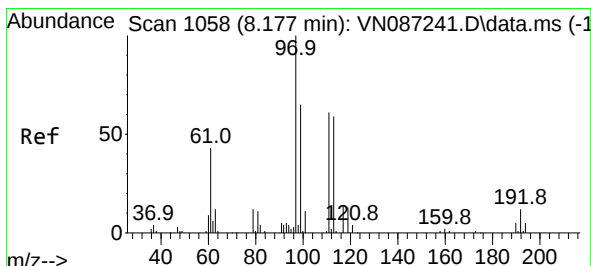
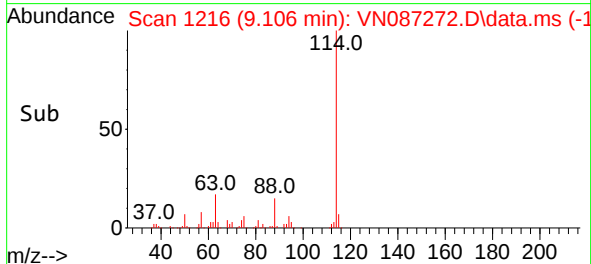
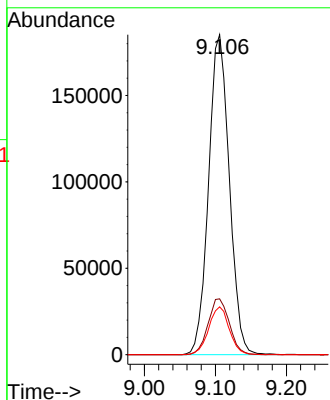
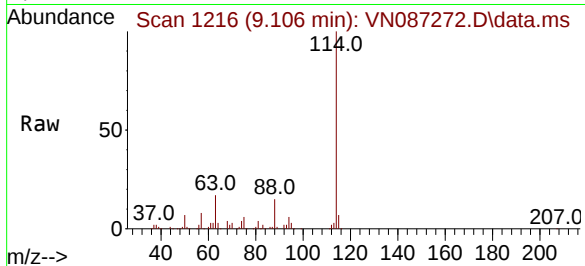




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

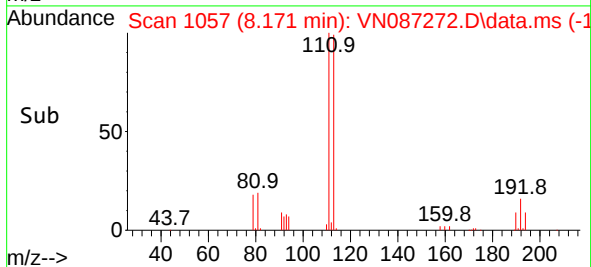
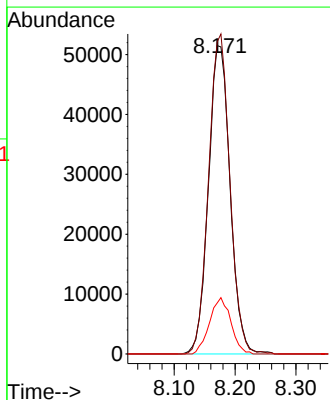
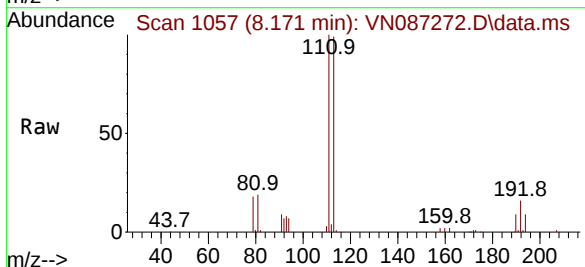
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

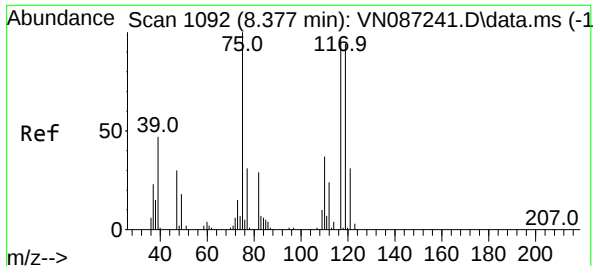
Tgt Ion:114 Resp: 375184
Ion Ratio Lower Upper
114 100
63 17.4 0.0 36.6
88 14.9 0.0 29.6



#35
Dibromofluoromethane
Concen: 53.051 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion:113 Resp: 127446
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 18.0 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.223 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087272.D

Acq: 03 Jul 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

G2(9)

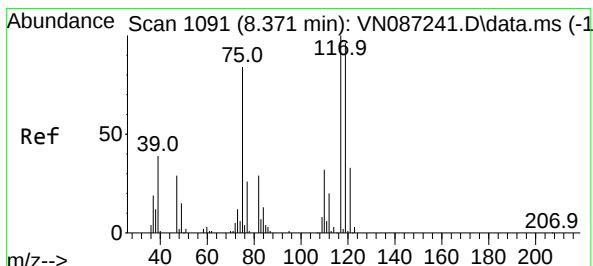
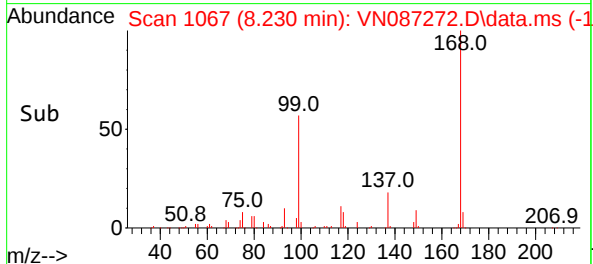
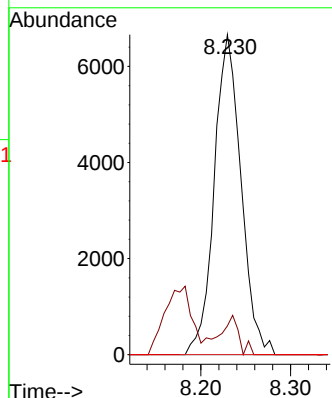
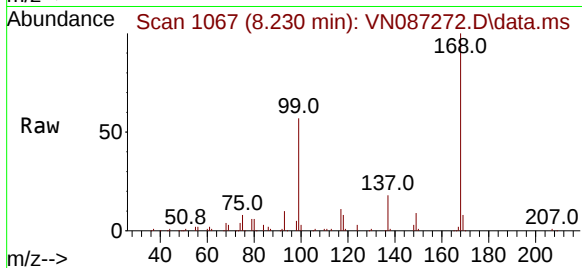
Tgt Ion: 75 Resp: 13795

Ion Ratio Lower Upper

75 100

110 7.8 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.202 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087272.D

Acq: 03 Jul 2025 15:27

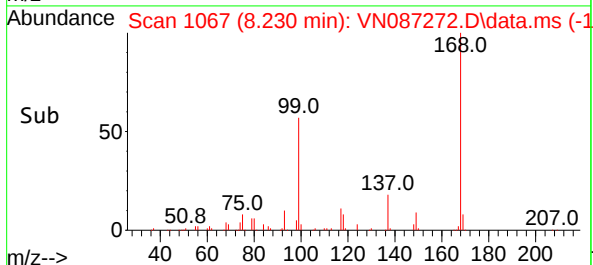
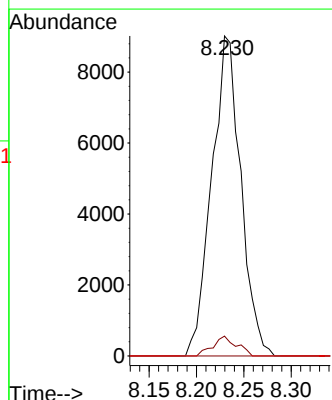
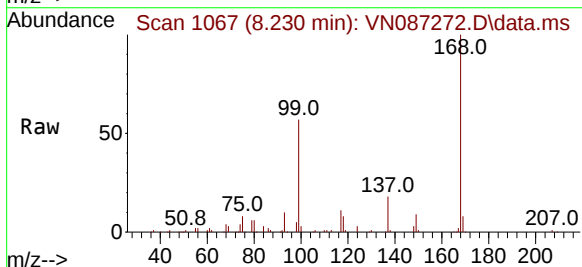
Tgt Ion: 117 Resp: 19257

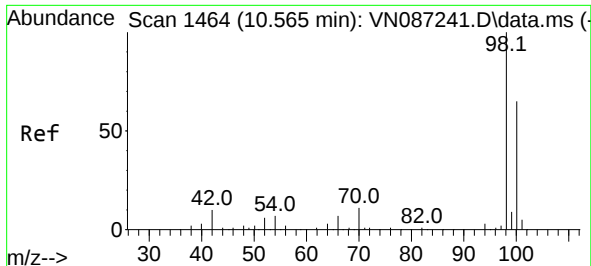
Ion Ratio Lower Upper

117 100

119 6.2 77.2 115.8#

121 0.0 26.6 39.8#

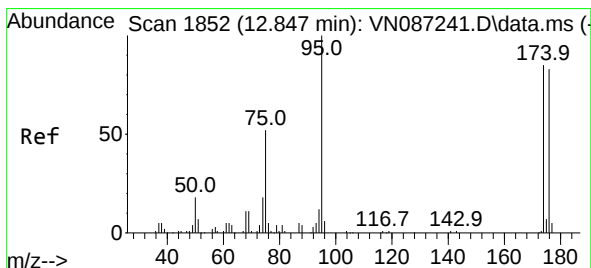
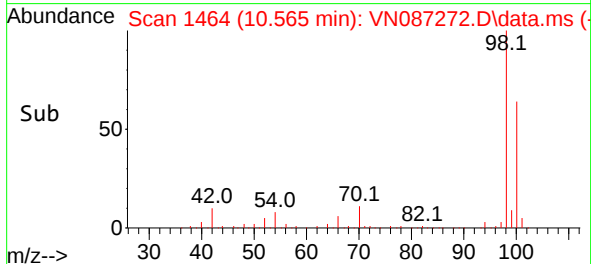
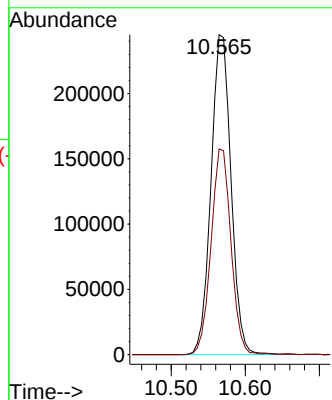
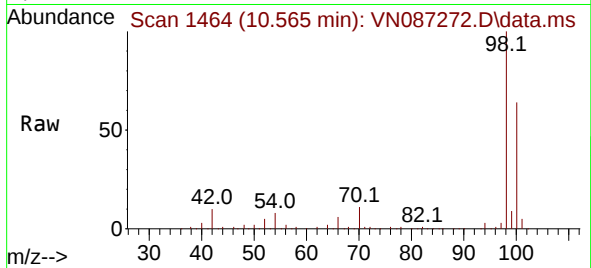




#50
Toluene-d8
Concen: 49.137 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

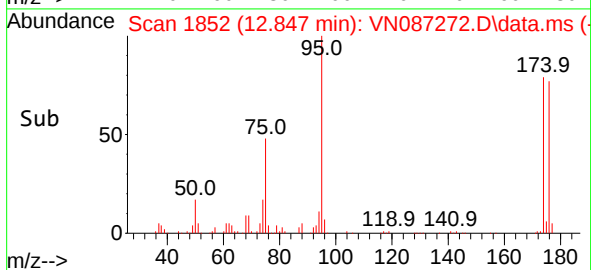
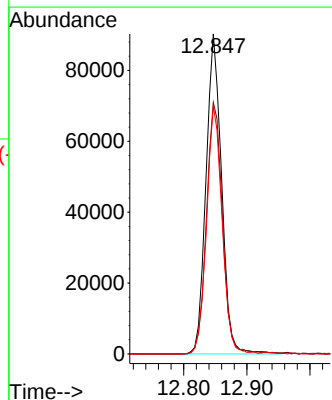
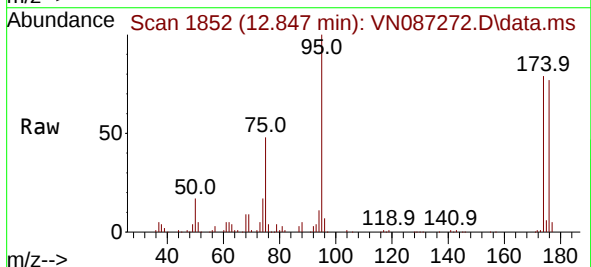
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

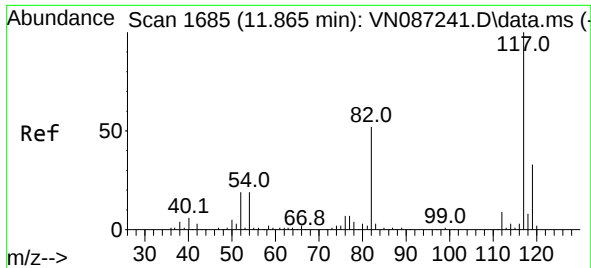
Tgt Ion: 98 Resp: 460114
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.421 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion: 95 Resp: 154662
Ion Ratio Lower Upper
95 100
174 81.4 0.0 169.6
176 77.4 0.0 161.6

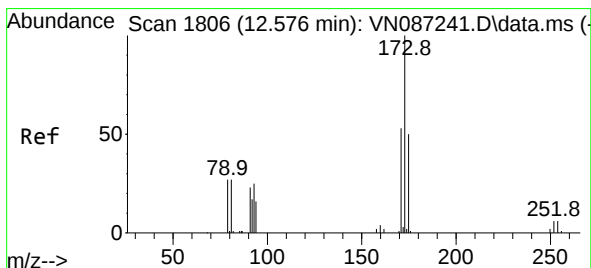
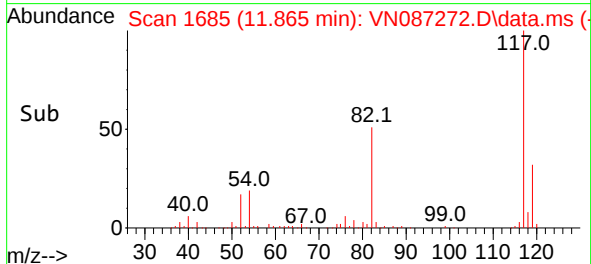
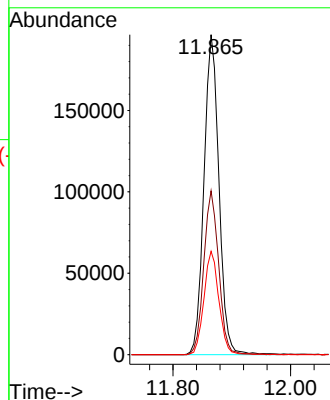
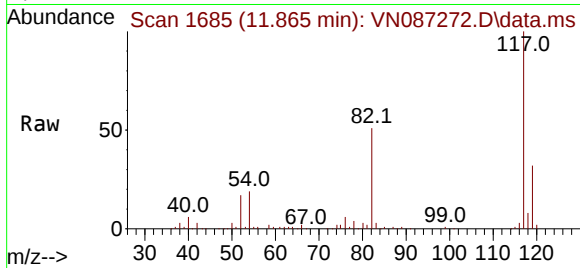




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

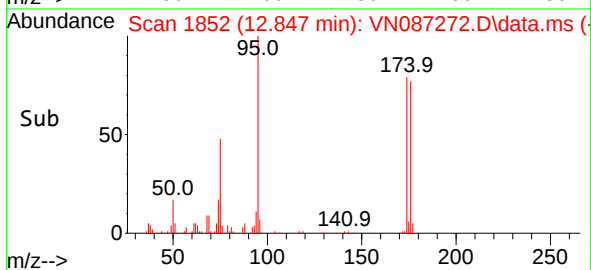
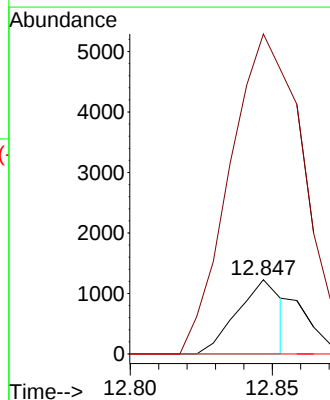
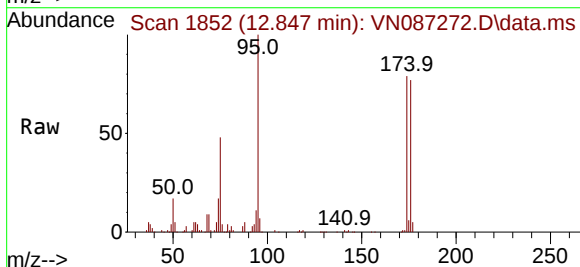
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

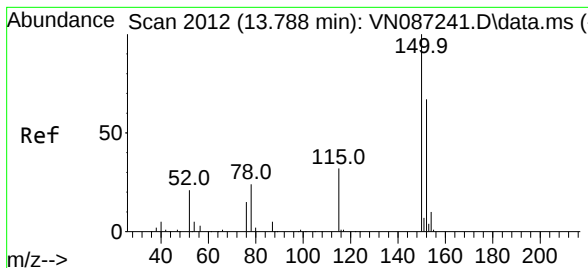
Tgt Ion:117 Resp: 349211
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 32.3 26.2 39.4



#71
Bromoform
Concen: 0.638 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Tgt Ion:173 Resp: 1332
Ion Ratio Lower Upper
173 100
175 523.0 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: VN087272.D

Acq: 03 Jul 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

G2(9)

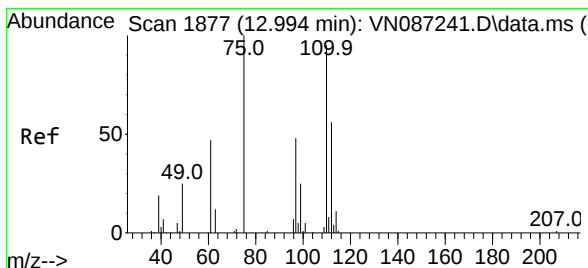
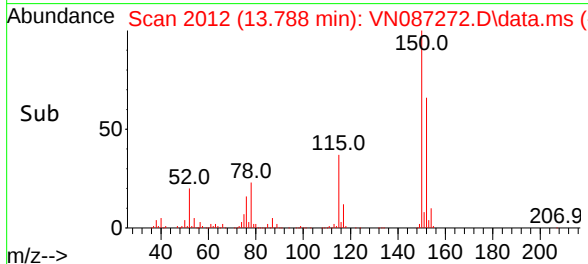
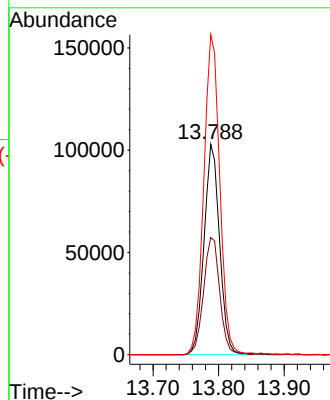
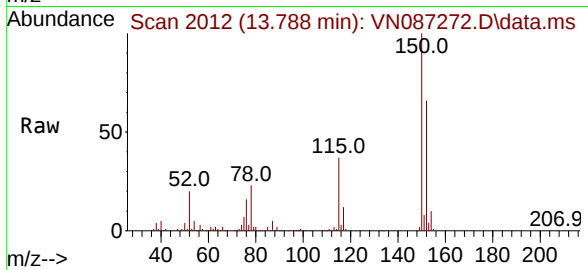
Tgt Ion:152 Resp: 170569

Ion Ratio Lower Upper

152 100

115 57.8 28.3 84.9

150 155.4 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 23.610 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087272.D

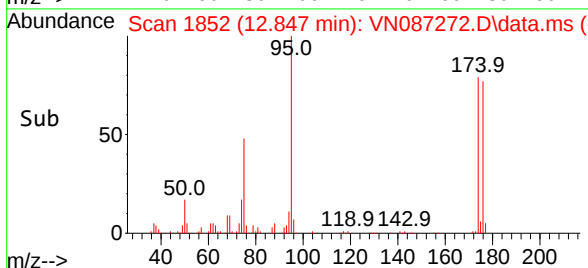
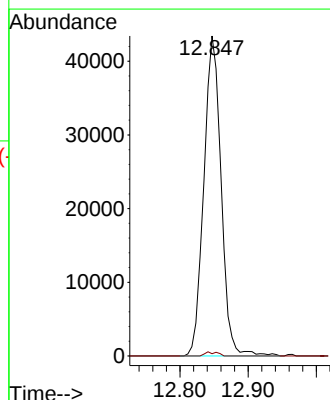
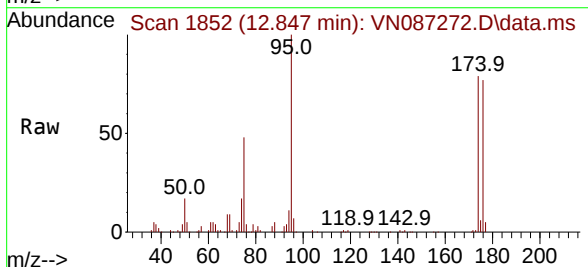
Acq: 03 Jul 2025 15:27

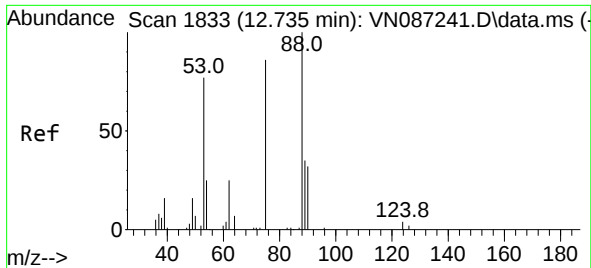
Tgt Ion: 75 Resp: 76600

Ion Ratio Lower Upper

75 100

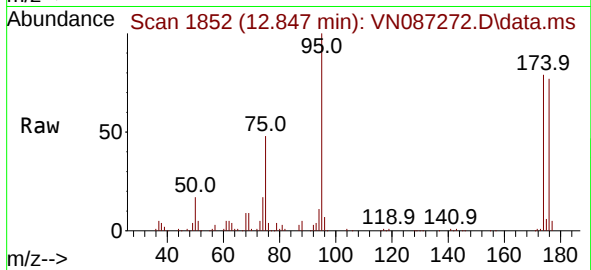
77 0.9 82.0 245.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 55.458 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087272.D
Acq: 03 Jul 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
G2(9)



Tgt Ion:	75	Resp:	76600
Ion	Ratio	Lower	Upper
75	100		
53	0.0	70.6	105.8#
89	0.0	36.1	54.1#

