

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087277.D
 Acq On : 03 Jul 2025 17:13
 Operator : JC\MD
 Sample : Q2487-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G4(10)

Quant Time: Jul 04 01:35:13 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)

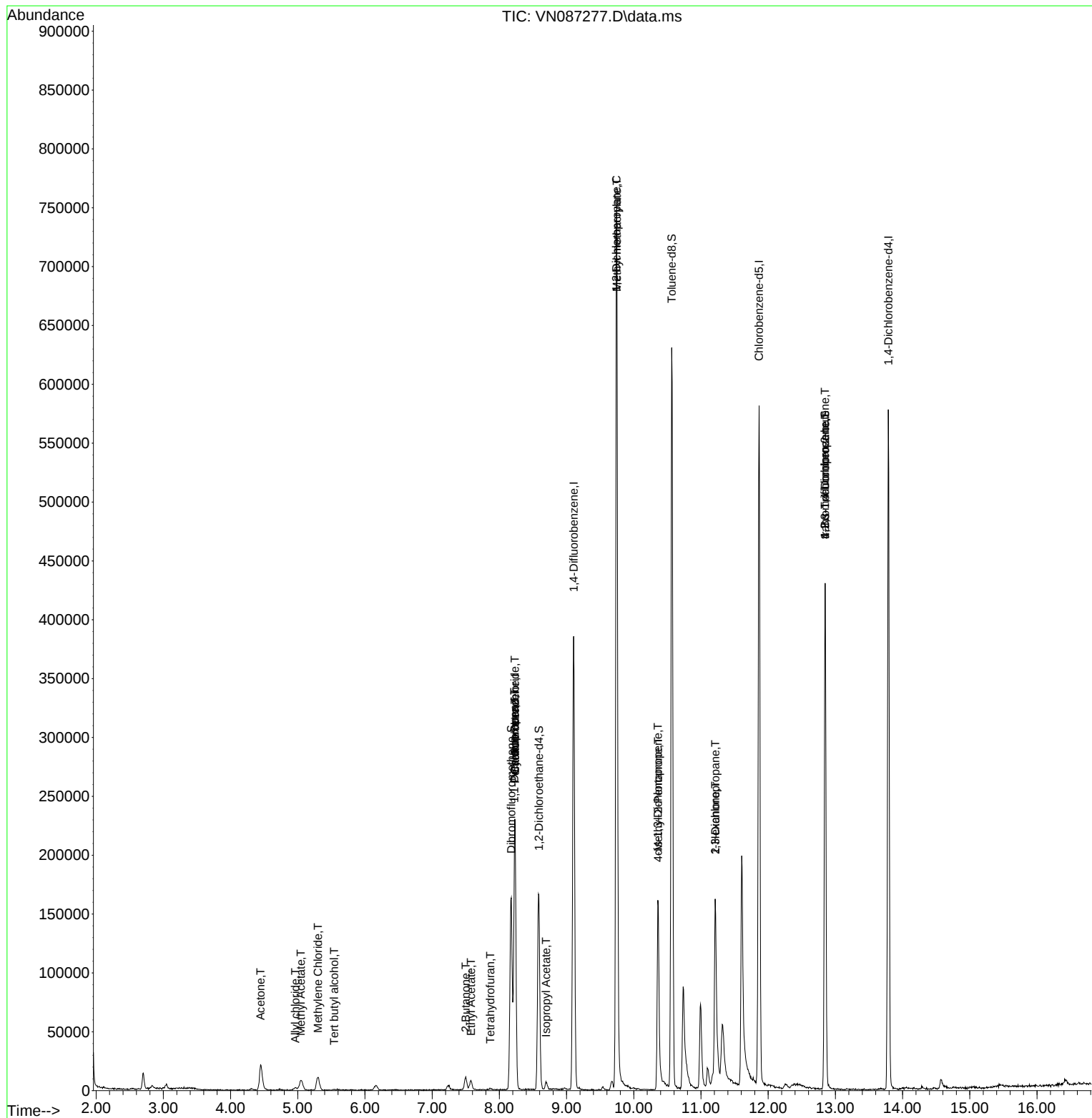
Internal Standards						
1) Pentafluorobenzene	8.235	168	180816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139961	61.675	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.340%	
35) Dibromofluoromethane	8.177	113	122270	53.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.520%	
50) Toluene-d8	10.565	98	455048	51.332	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.847	95	157674	49.989	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.541	59	924	2.234	ug/l #	72
14) Allyl chloride	4.965	41	3135	1.521	ug/l #	31
16) Acetone	4.447	43	41945	48.346	ug/l	96
18) Methyl Acetate	5.047	43	19013	9.573	ug/l	97
20) Methylene Chloride	5.300	84	9187	4.780	ug/l #	93
25) 2-Butanone	7.500	43	17095	12.608	ug/l	98
29) Tetrahydrofuran	7.865	42	550	0.630	ug/l #	61
31) Cyclohexane	8.229	56	3265	1.056	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	13538	4.377	ug/l #	47
37) Ethyl Acetate	7.577	43	12233	3.679	ug/l	97
38) Carbon Tetrachloride	8.229	117	18803	5.365	ug/l #	18
43) Isopropyl Acetate	8.694	43	7572	1.469	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1262	0.604	ug/l #	45
48) Methyl methacrylate	9.747	41	71565	32.932	ug/l #	36
51) 4-Methyl-2-Pentanone	10.365	43	65040	20.617	ug/l #	46
54) cis-1,3-Dichloropropene	10.359	75	37649	10.164	ug/l #	66
57) 1,3-Dichloropropane	11.212	76	2558	0.660	ug/l #	41
59) 2-Hexanone	11.212	43	25746	11.393	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	74917	23.584	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74917	55.396	ug/l #	14

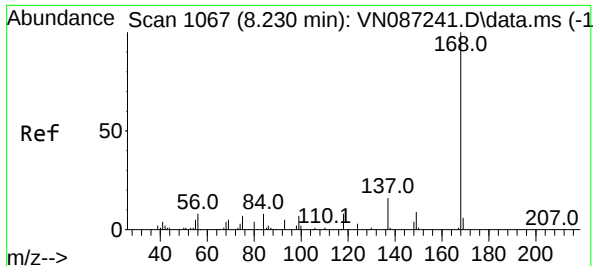
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Quant Time: Jul 04 01:35:13 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

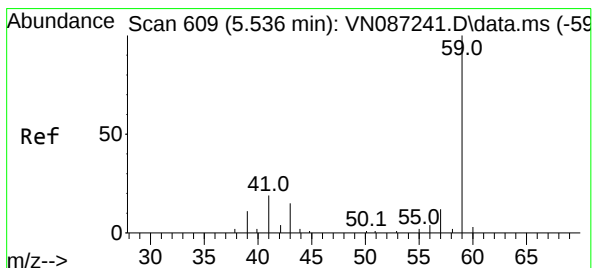
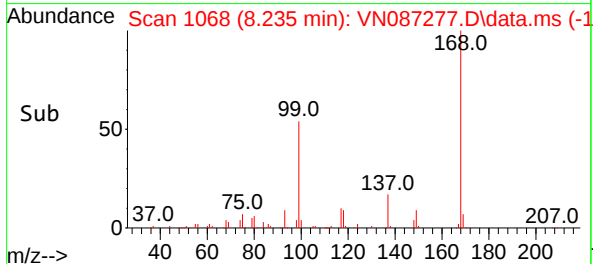
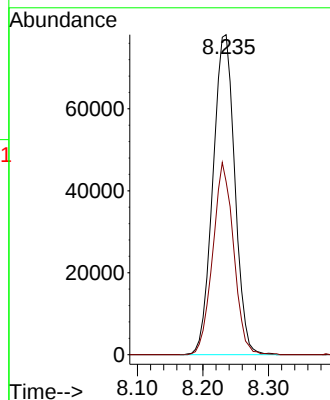
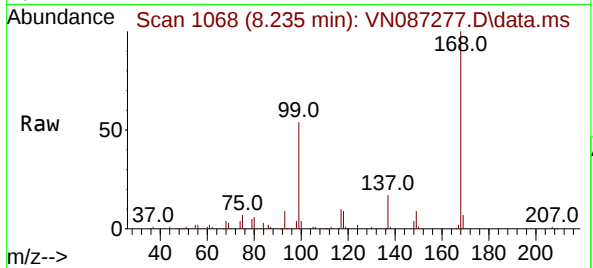




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

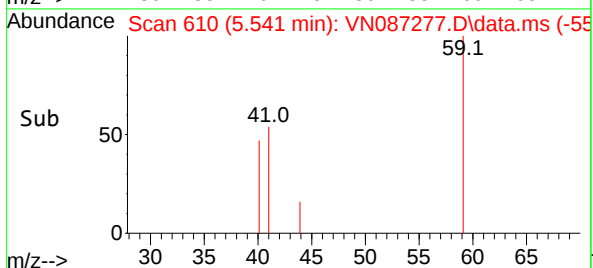
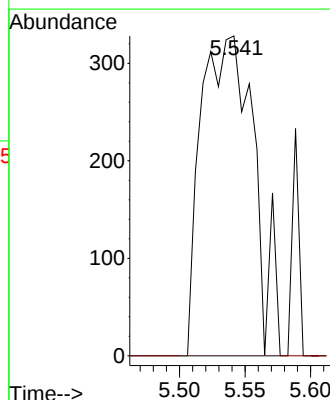
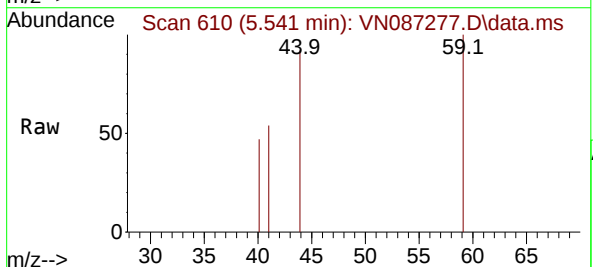
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

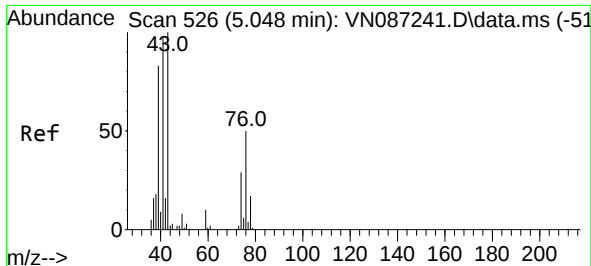
Tgt Ion:168 Resp: 180816
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#11
Tert butyl alcohol
Concen: 2.234 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

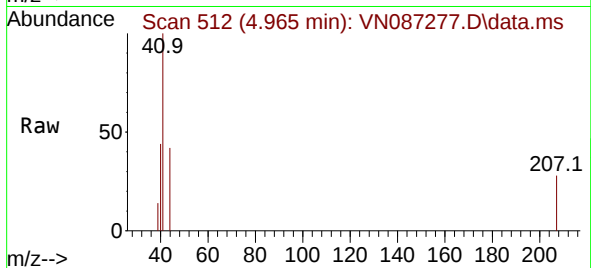
Tgt Ion: 59 Resp: 924
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



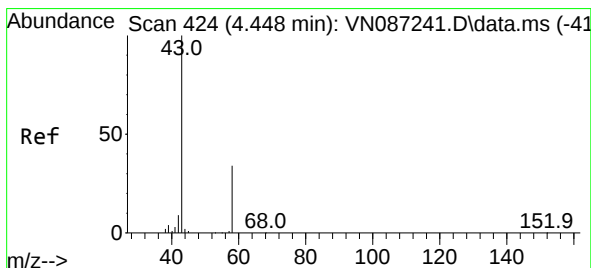
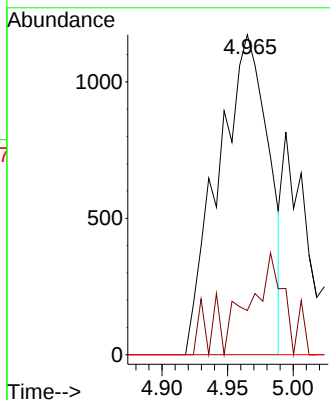
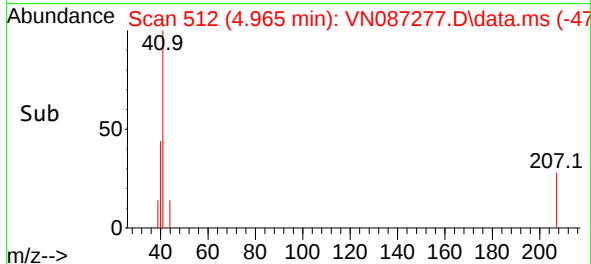


#14
Allyl chloride
Concen: 1.521 ug/l
RT: 4.965 min Scan# 512
Delta R.T. -0.083 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

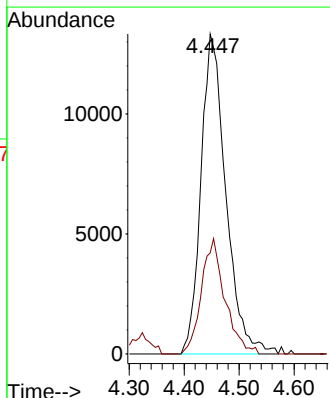
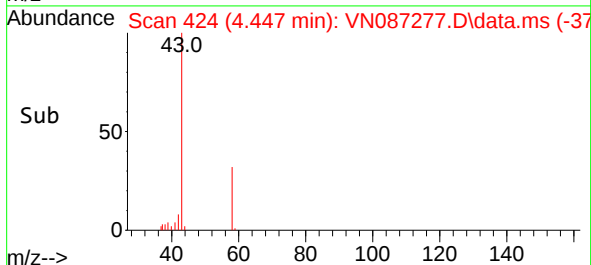
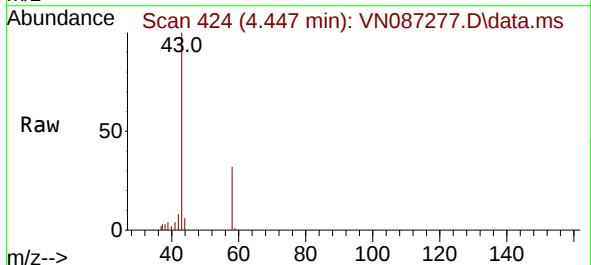


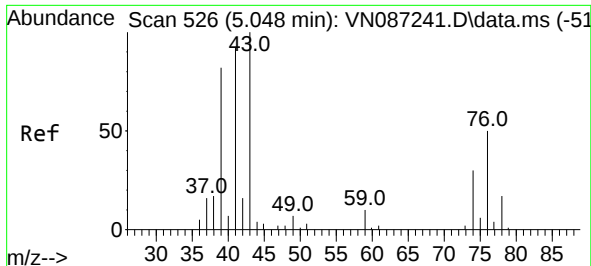
Tgt Ion: 41 Resp: 3135
Ion Ratio Lower Upper
41 100
39 22.6 66.3 99.5#
76 0.0 38.6 58.0#



#16
Acetone
Concen: 48.346 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 41945
Ion Ratio Lower Upper
43 100
58 31.6 27.1 40.7

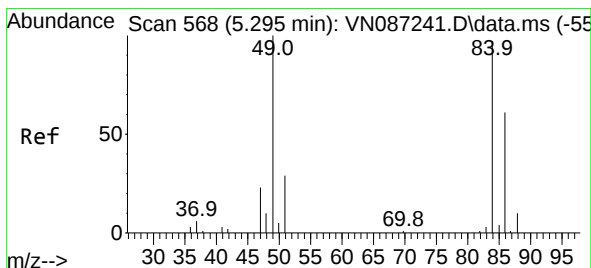
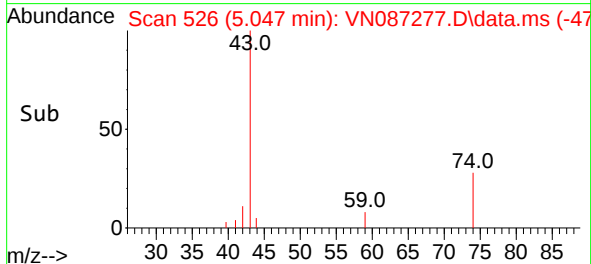
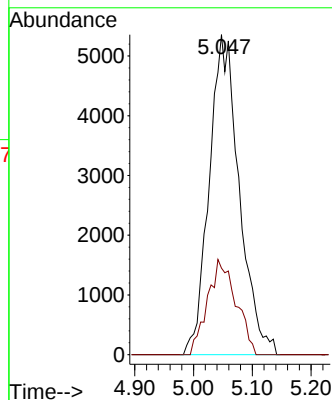
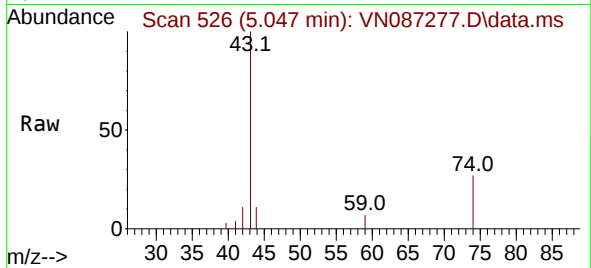




#18
Methyl Acetate
Concen: 9.573 ug/l
RT: 5.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

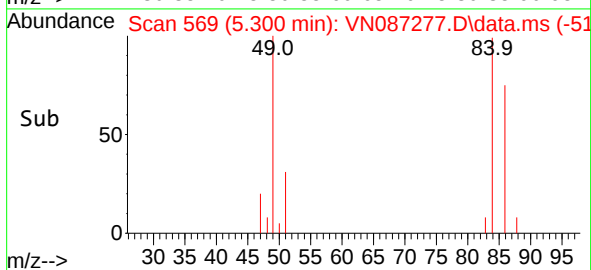
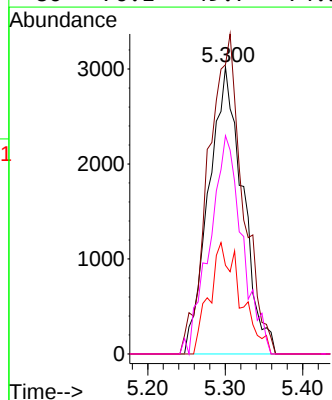
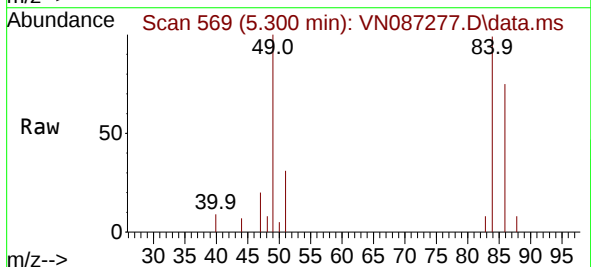
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

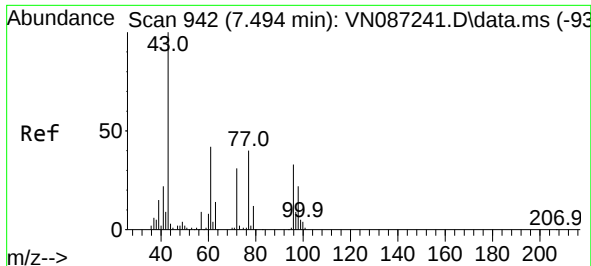
Tgt Ion: 43 Resp: 19013
Ion Ratio Lower Upper
43 100
74 28.2 23.8 35.6



#20
Methylene Chloride
Concen: 4.780 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 84 Resp: 9187
Ion Ratio Lower Upper
84 100
49 100.8 82.1 123.1
51 30.9 23.5 35.3
86 76.1 49.7 74.5#

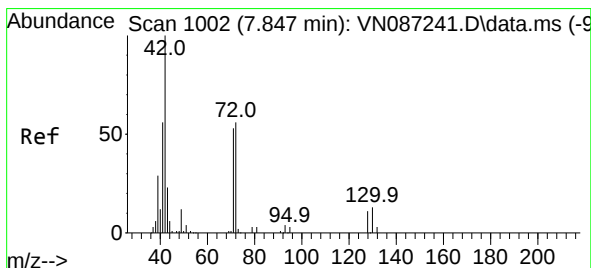
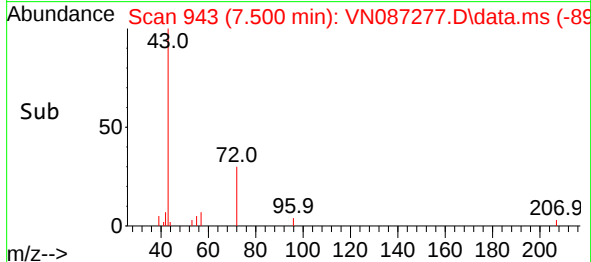
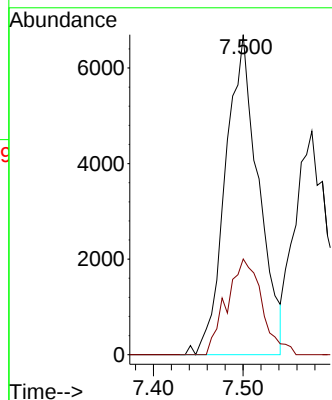
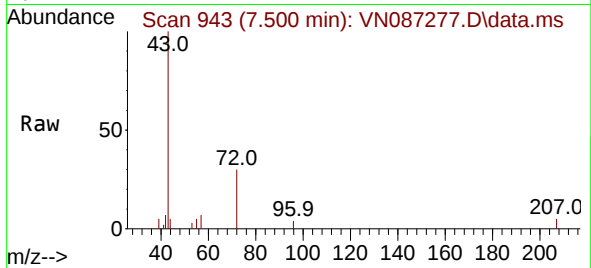




#25
2-Butanone
Concen: 12.608 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

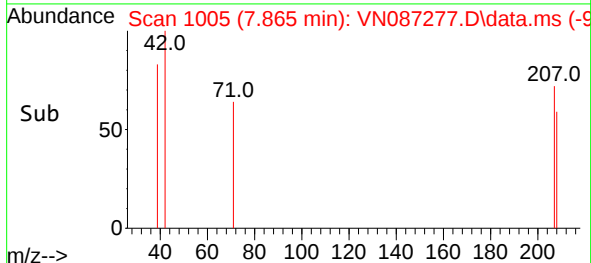
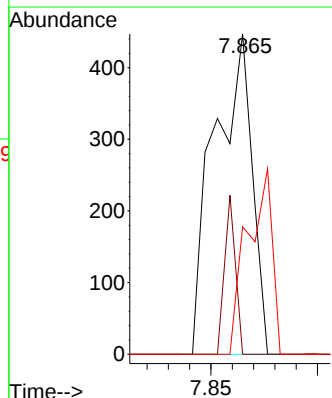
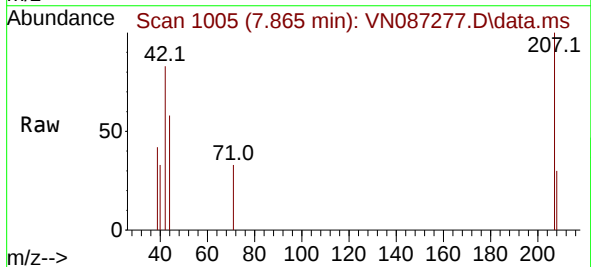
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

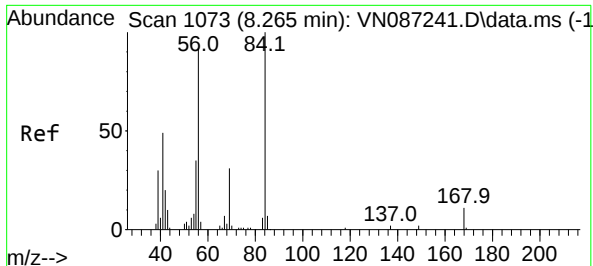
Tgt Ion: 43 Resp: 17095
Ion Ratio Lower Upper
43 100
72 29.9 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.630 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.017 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 42 Resp: 550
Ion Ratio Lower Upper
42 100
72 14.2 44.2 66.4#
71 38.2 41.1 61.7#

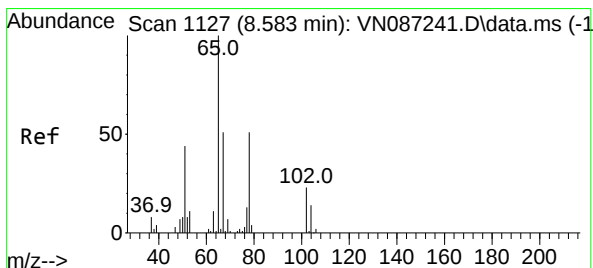
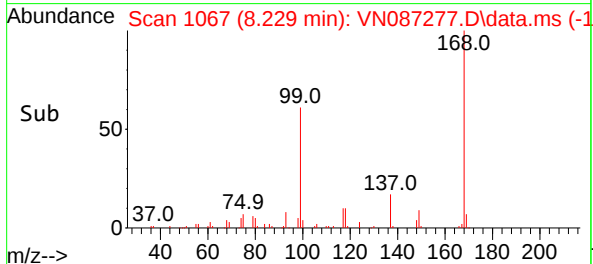
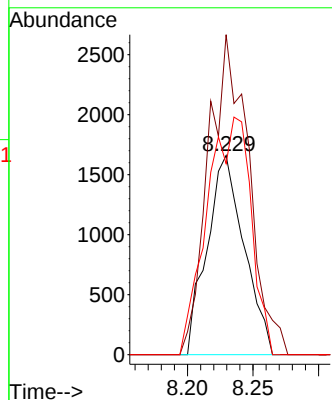
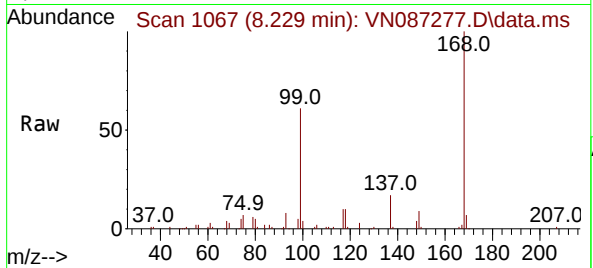




#31
Cyclohexane
Concen: 1.056 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

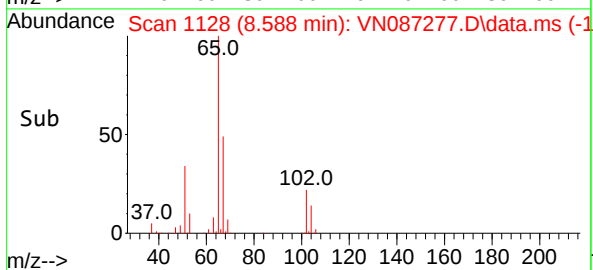
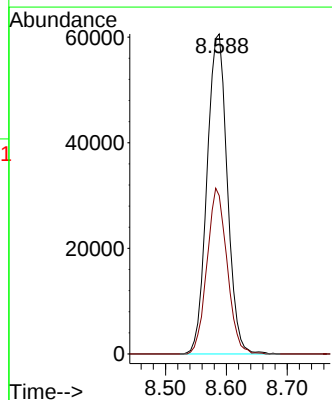
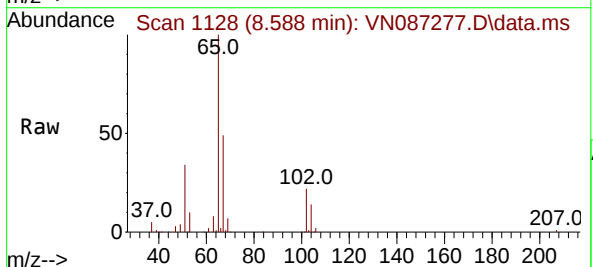
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

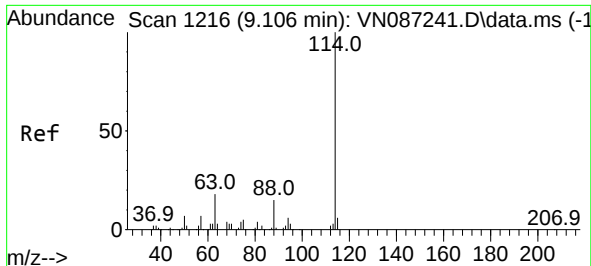
Tgt Ion: 56 Resp: 3265
Ion Ratio Lower Upper
56 100
69 160.7 27.0 40.6#
84 96.0 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 61.675 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 65 Resp: 139961
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6

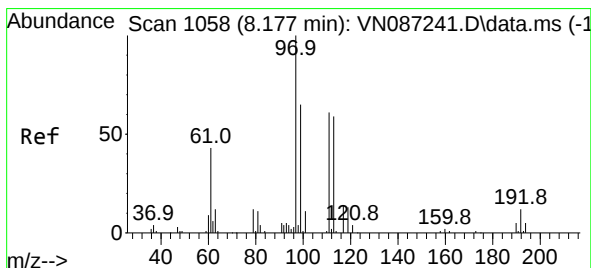
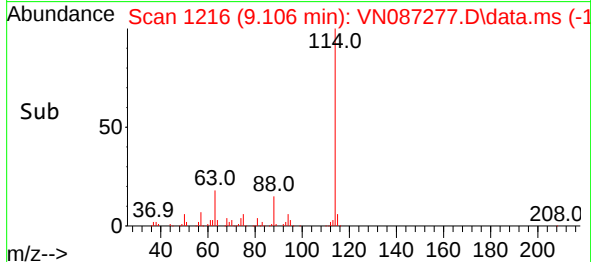
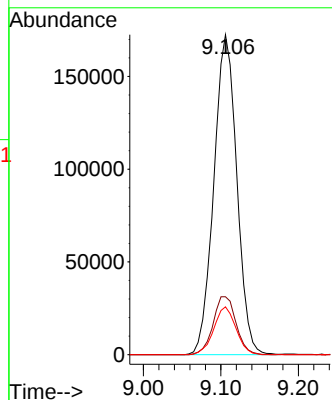
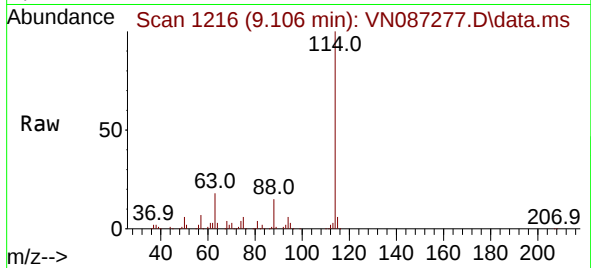




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

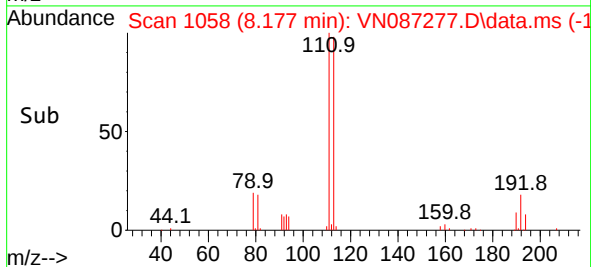
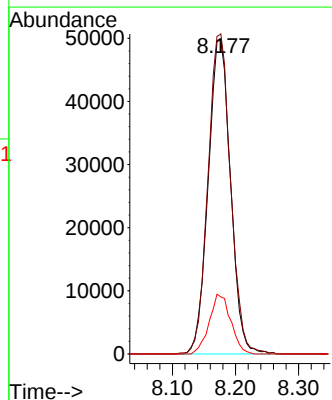
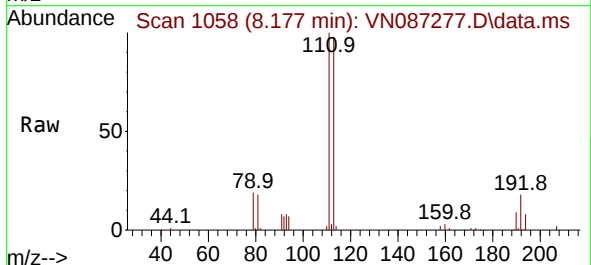
Instrument :
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G4(10)

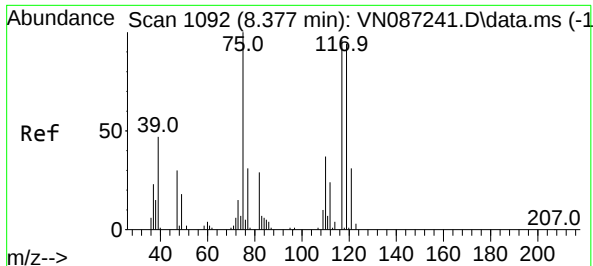
Tgt Ion:114 Resp: 355191
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.6
88 14.9 0.0 29.6



#35
Dibromofluoromethane
Concen: 53.761 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion:113 Resp: 122270
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.2
192 18.2 15.1 22.7

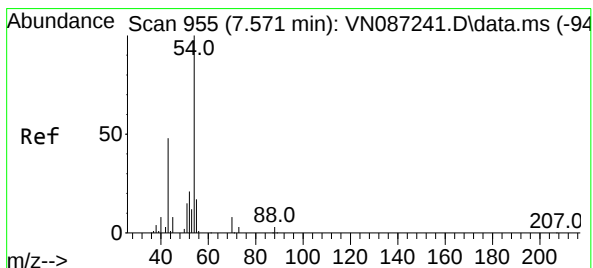
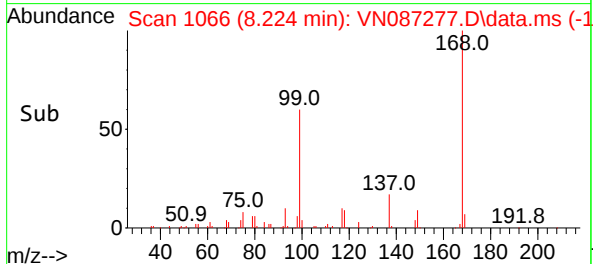
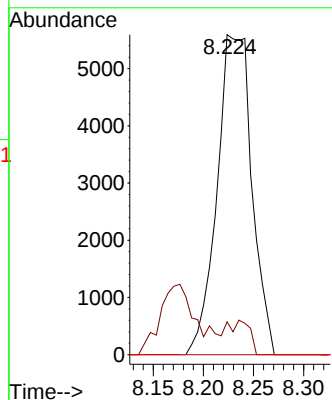
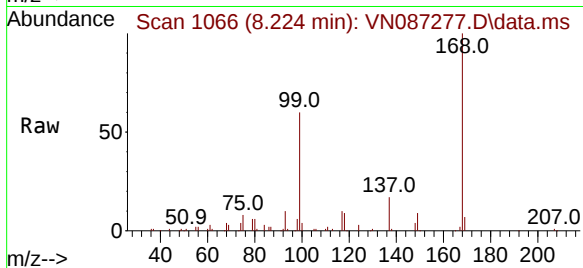




#36
1,1-Dichloropropene
Concen: 4.377 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

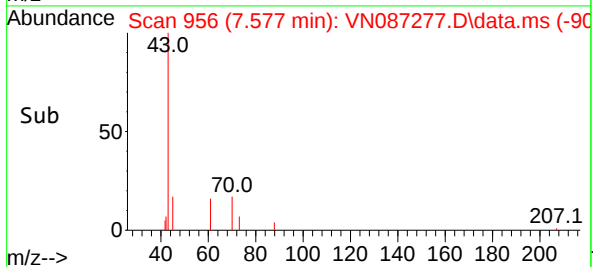
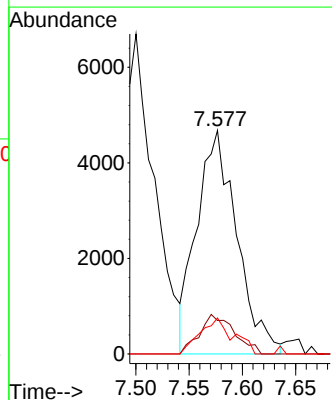
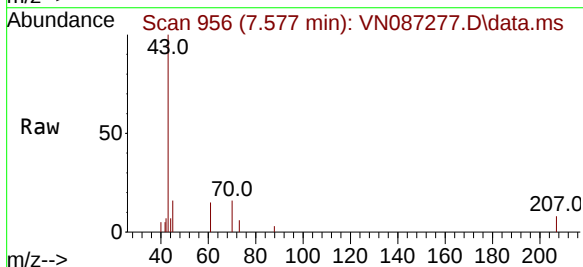
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

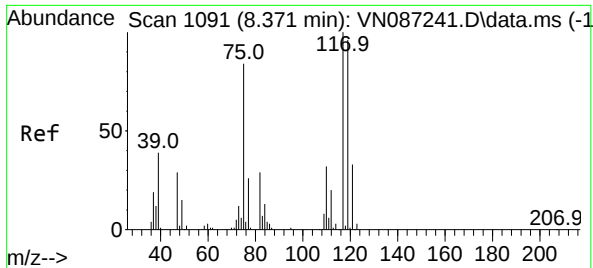
Tgt Ion: 75 Resp: 13538
Ion Ratio Lower Upper
75 100
110 6.7 18.7 56.1#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 3.679 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 12233
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 13.4 9.9 14.9

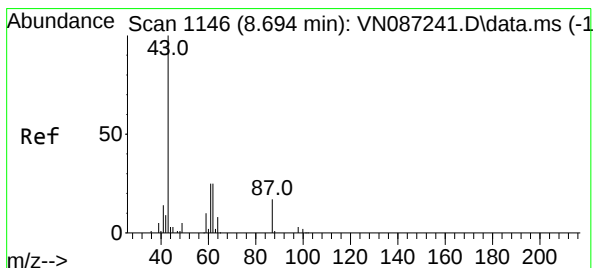
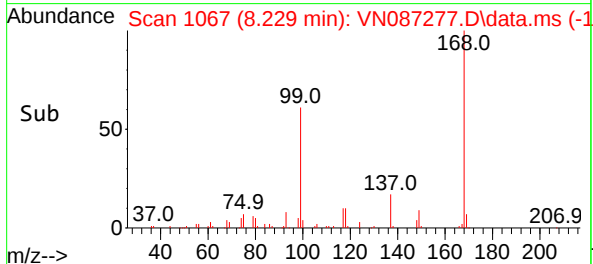
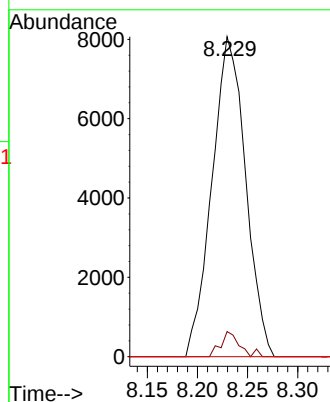
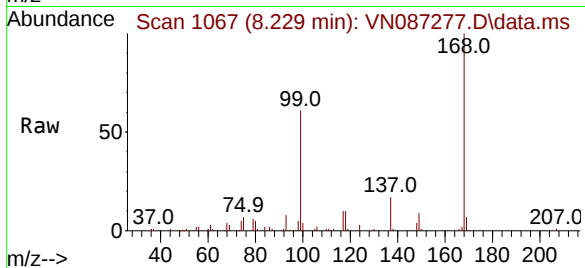




#38
Carbon Tetrachloride
Concen: 5.365 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

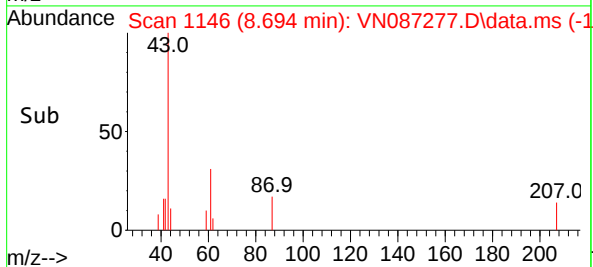
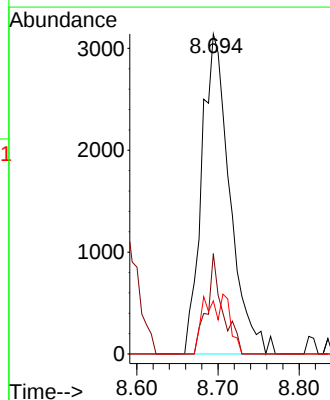
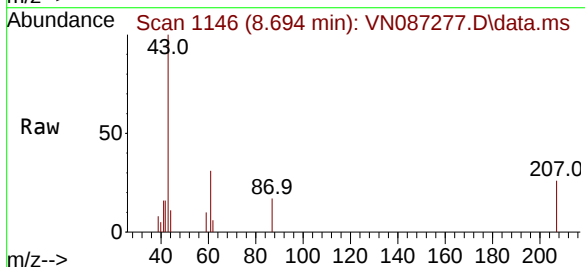
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

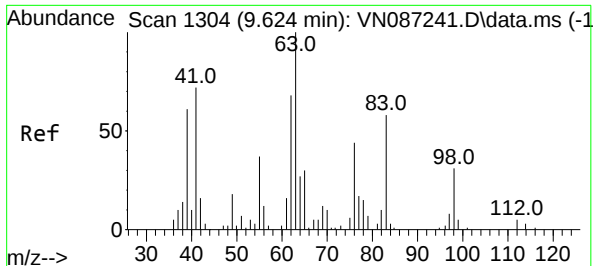
Tgt Ion:117 Resp: 18803
Ion Ratio Lower Upper
117 100
119 7.9 77.2 115.8#
121 0.0 26.6 39.8#



#43
Isopropyl Acetate
Concen: 1.469 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 7572
Ion Ratio Lower Upper
43 100
61 17.5 22.4 33.6#
87 9.7 12.8 19.2#





#45

1,2-Dichloropropane

Concen: 0.604 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN087277.D

Acq: 03 Jul 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

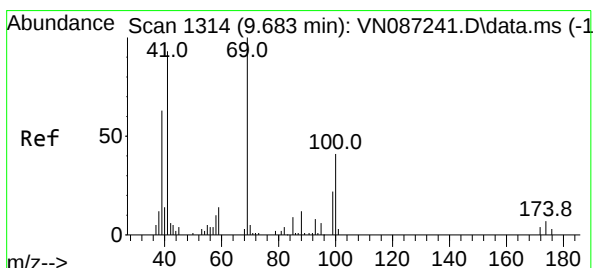
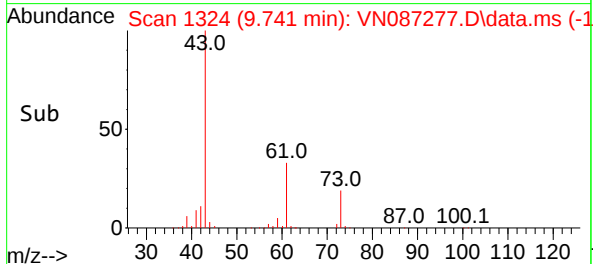
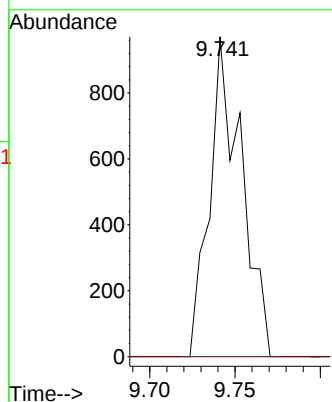
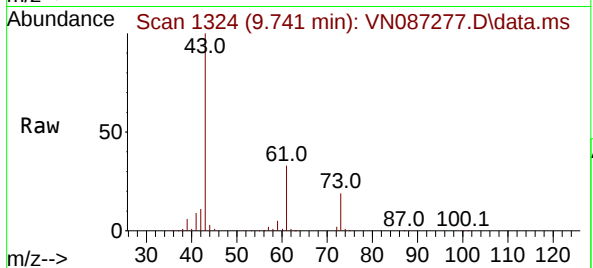
G4(10)

Tgt Ion: 63 Resp: 1262

Ion Ratio Lower Upper

63 100

65 0.0 23.8 35.8#



#48

Methyl methacrylate

Concen: 32.932 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN087277.D

Acq: 03 Jul 2025 17:13

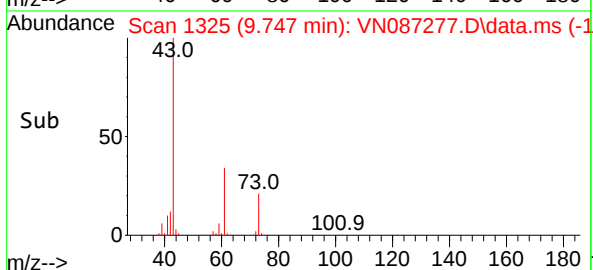
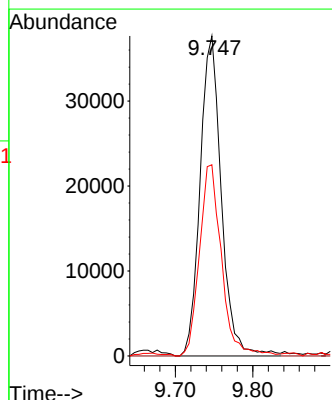
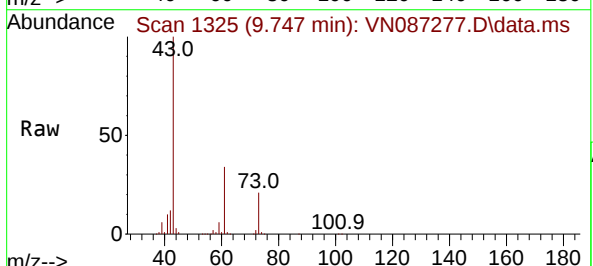
Tgt Ion: 41 Resp: 71565

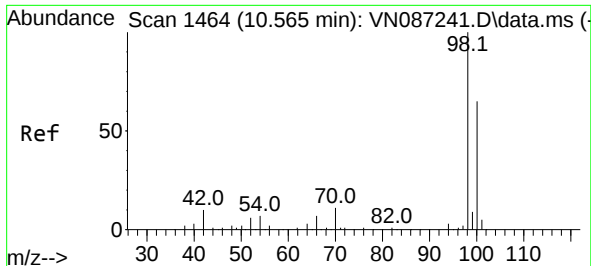
Ion Ratio Lower Upper

41 100

69 0.0 81.4 122.2#

39 62.0 56.9 85.3

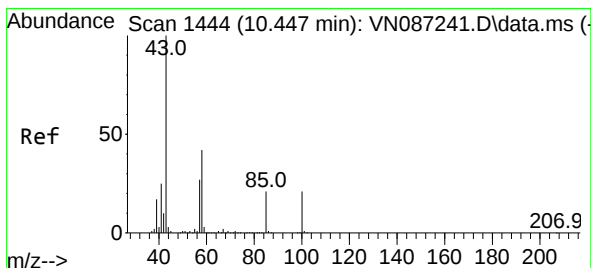
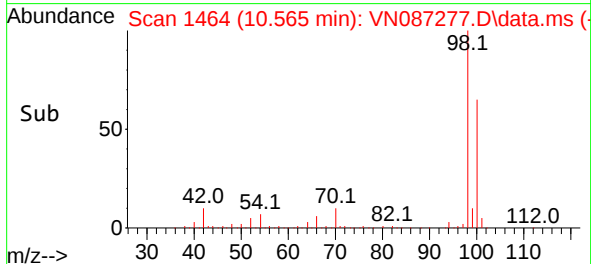
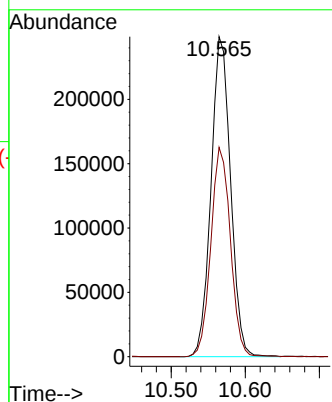
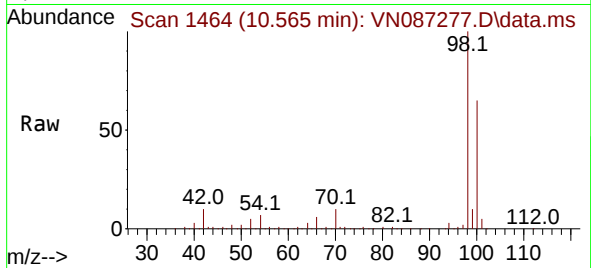




#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

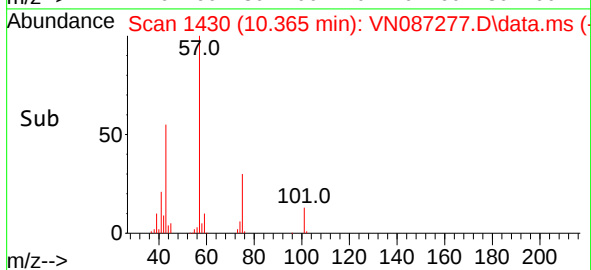
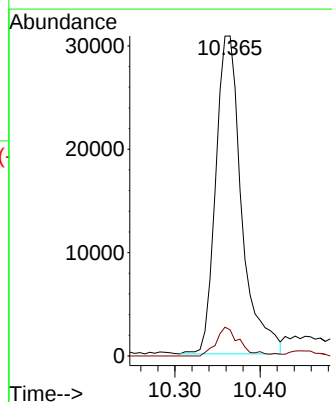
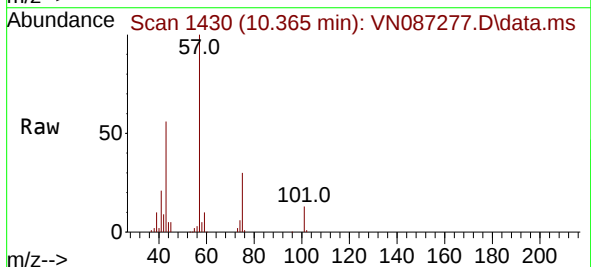
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

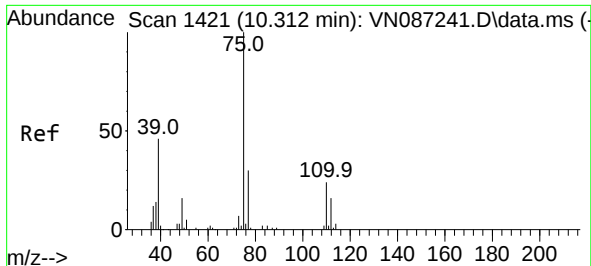
Tgt Ion: 98 Resp: 455048
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 20.617 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.083 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 65040
Ion Ratio Lower Upper
43 100
58 8.1 34.2 51.2#

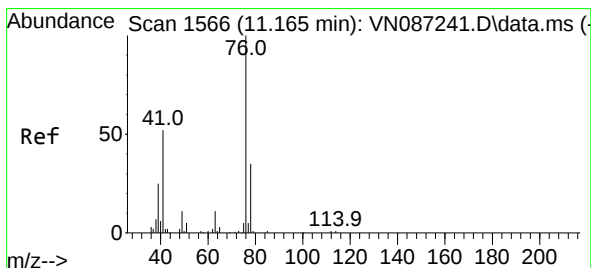
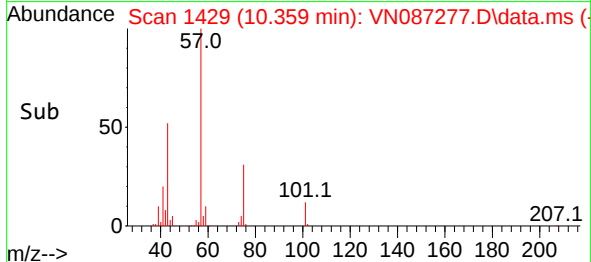
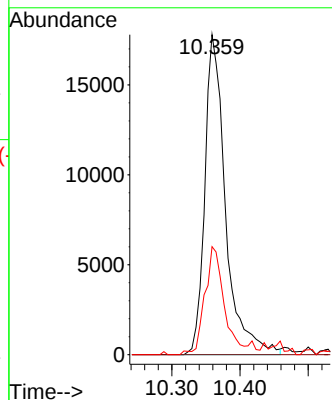
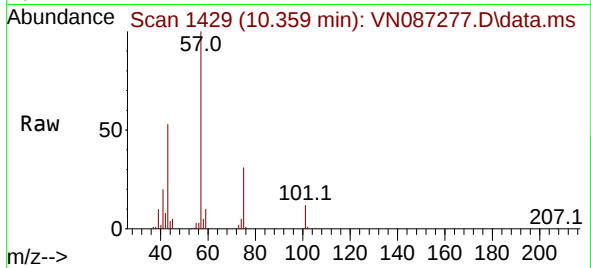




#54
cis-1,3-Dichloropropene
Concen: 10.164 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

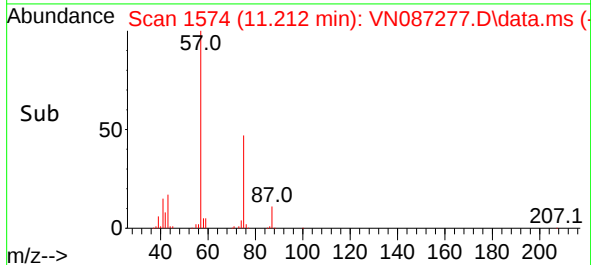
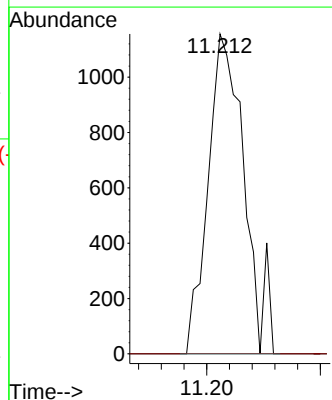
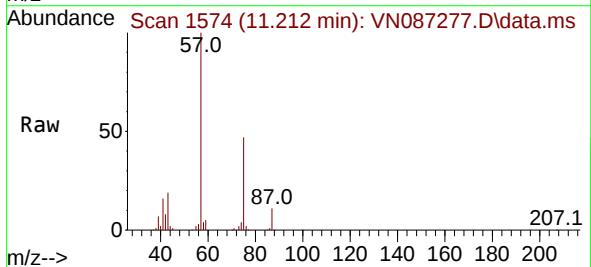
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

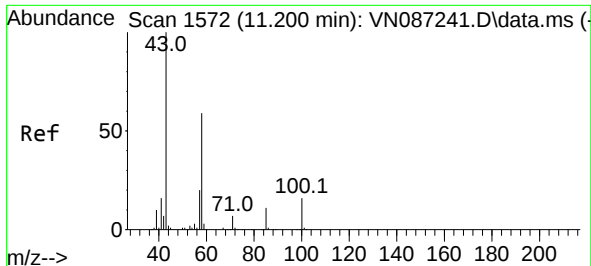
Tgt Ion: 75 Resp: 37649
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#
39 32.7 36.7 55.1#



#57
1,3-Dichloropropane
Concen: 0.660 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 76 Resp: 2558
Ion Ratio Lower Upper
76 100
78 0.0 27.1 40.7#

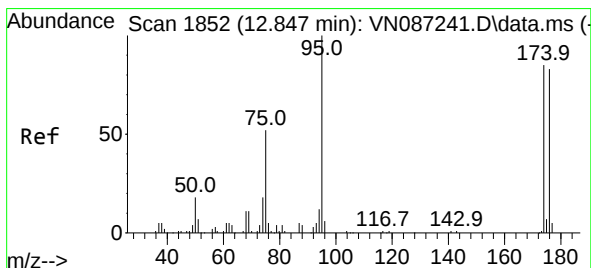
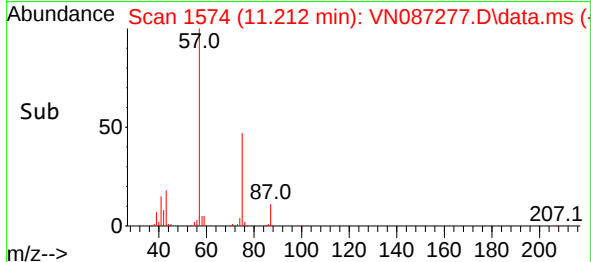
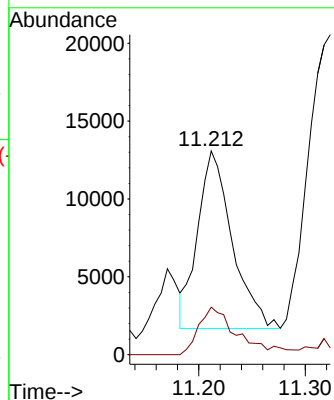
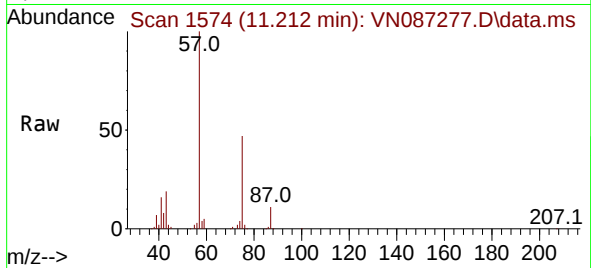




#59
2-Hexanone
Concen: 11.393 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

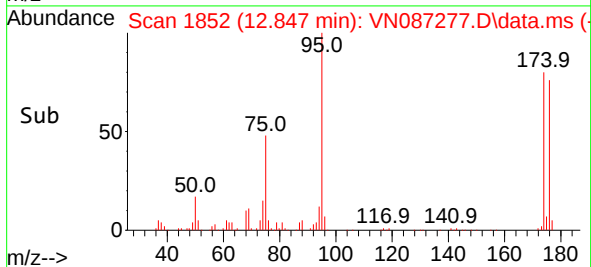
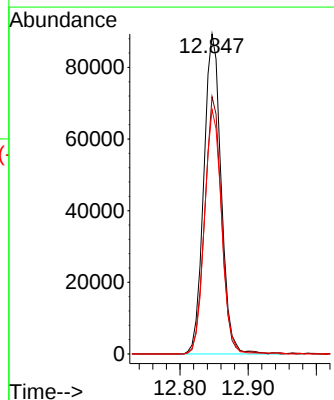
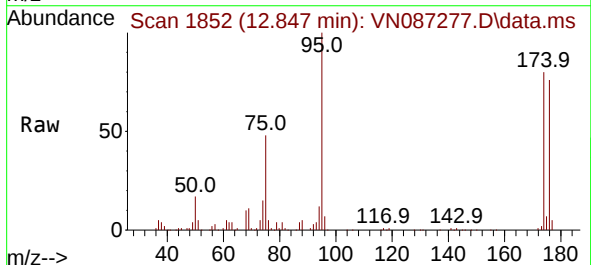
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

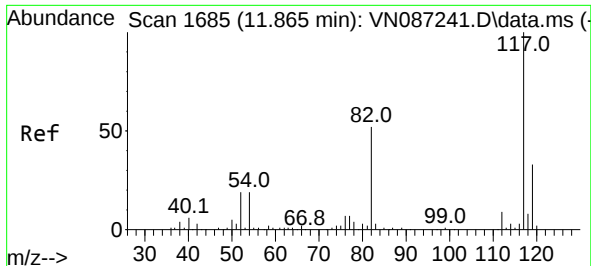
Tgt Ion: 43 Resp: 25746
Ion Ratio Lower Upper
43 100
58 30.5 31.1 93.3#



#62
4-Bromofluorobenzene
Concen: 49.989 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 95 Resp: 157674
Ion Ratio Lower Upper
95 100
174 78.2 0.0 169.6
176 76.0 0.0 161.6

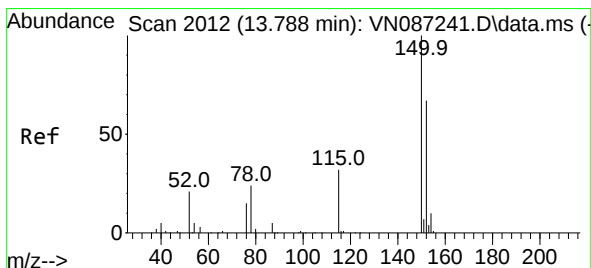
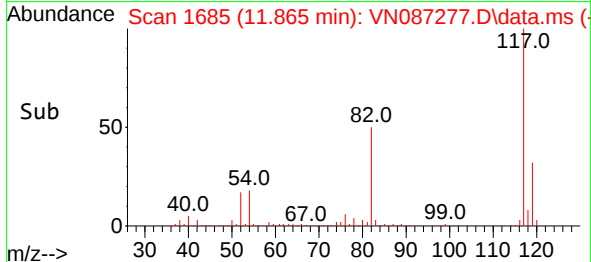
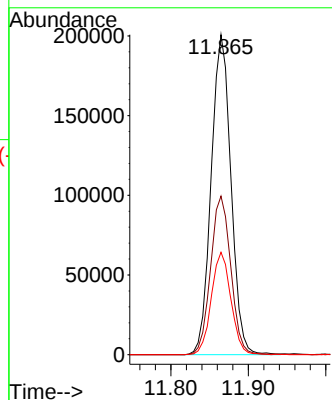
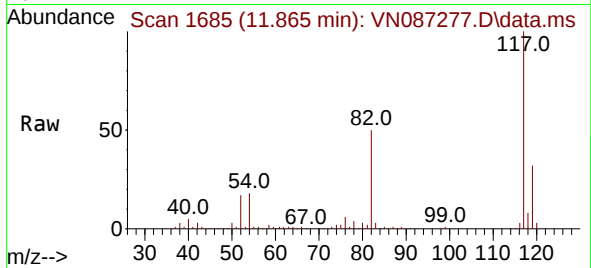




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

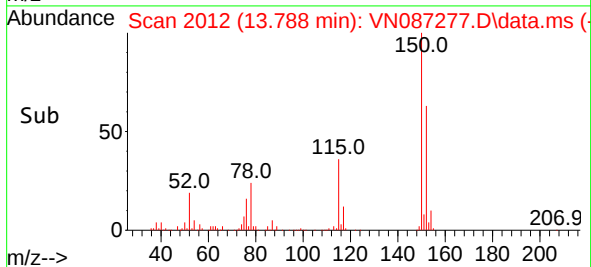
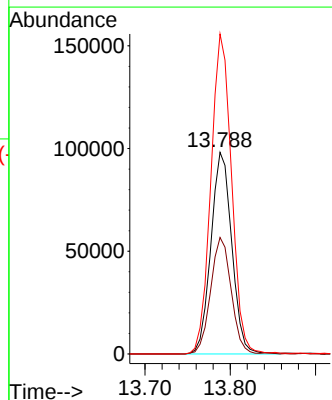
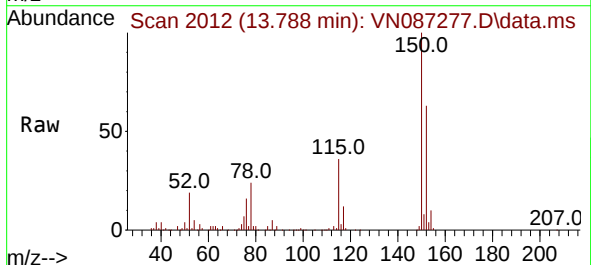
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

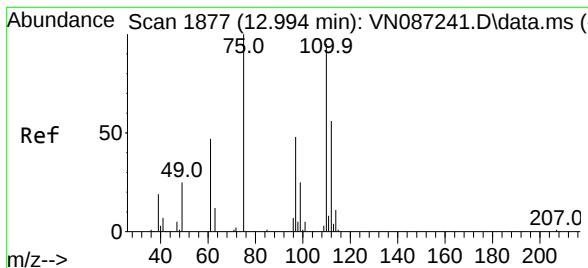
Tgt Ion:117 Resp: 356558
Ion Ratio Lower Upper
117 100
82 49.6 41.9 62.9
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion:152 Resp: 167009
Ion Ratio Lower Upper
152 100
115 56.8 28.3 84.9
150 157.1 0.0 344.6

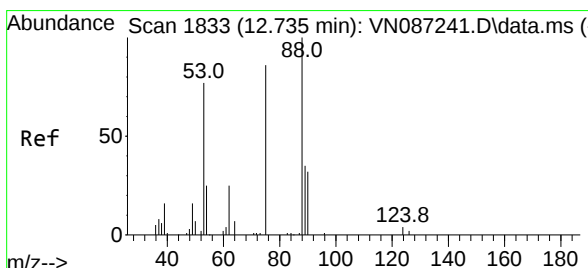
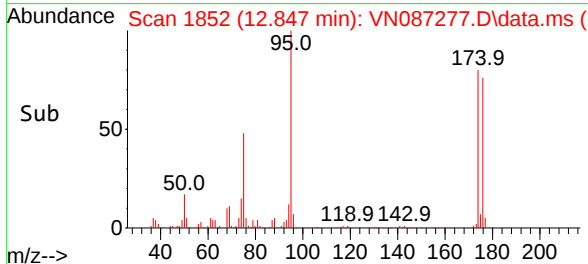
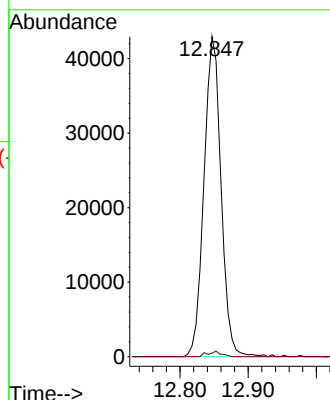
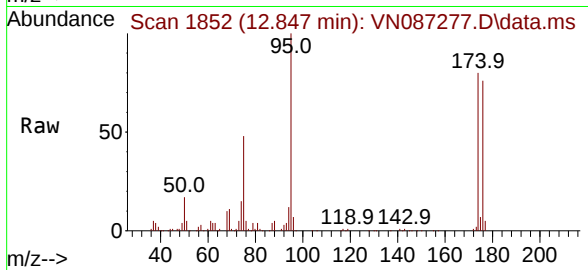




#76
1,2,3-Trichloropropane
Concen: 23.584 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion: 75 Resp: 74917
Ion Ratio Lower Upper
75 100
77 1.4 82.0 245.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.396 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 75 Resp: 74917
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 36.1 54.1#

