

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077737.D
 Acq On : 18 May 2023 15:32
 Operator : JC\MD
 Sample : 02834-08 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20230516

Quant Time: May 29 08:51:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

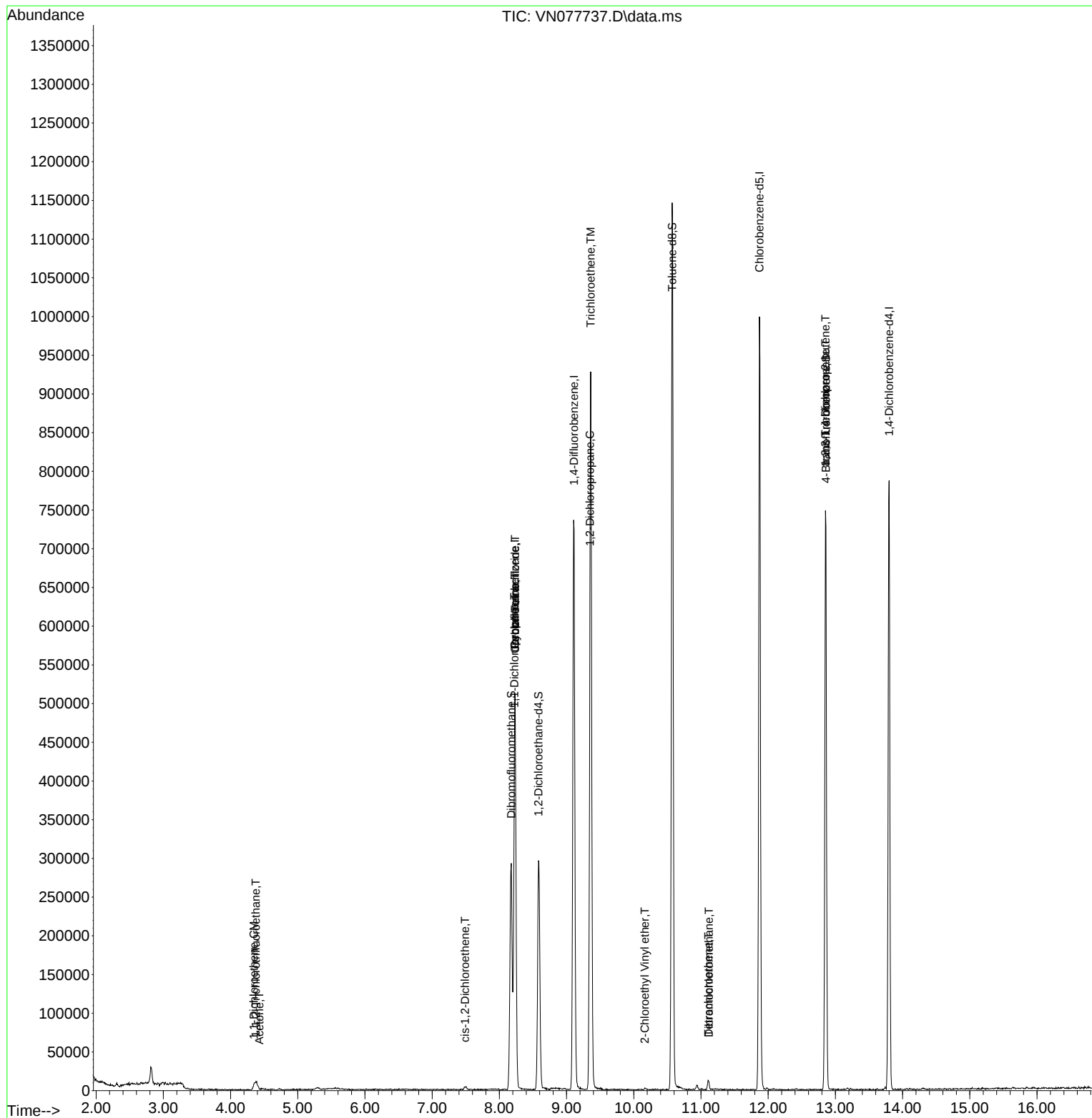
Internal Standards						
1) Pentafluorobenzene	8.230	168	369498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	662791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	584692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	213967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	253857	45.917	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.840%
35) Dibromofluoromethane	8.177	113	214090	49.535	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.080%
50) Toluene-d8	10.571	98	818752	49.217	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.859	95	272013	46.297	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.600%
Target Compounds						Qvalue
3) Chloromethane	2.371	50	869	Below Cal		96
9) 1,1,2-Trichlorotrifluo...	4.377	101	2819	0.689 ug/l #		19
12) 1,1-Dichloroethene	4.347	96	3334	0.858 ug/l #		93
13) Acrolein	4.200	56	295	Below Cal #		75
16) Acetone	4.430	43	464	0.267 ug/l #		40
20) Methylene Chloride	5.294	84	1404	Below Cal #		80
27) cis-1,2-Dichloroethene	7.488	96	2564	0.490 ug/l		62
31) Cyclohexane	8.230	56	8988	1.196 ug/l #		49
36) 1,1-Dichloropropene	8.224	75	31241	4.942 ug/l #		48
38) Carbon Tetrachloride	8.235	117	41121	6.442 ug/l #		15
44) Trichloroethene	9.359	130	329840	69.829 ug/l		100
45) 1,2-Dichloropropane	9.347	63	1211	0.255 ug/l #		1
58) 2-Chloroethyl Vinyl ether	10.165	63	1023	0.298 ug/l #		57
60) Dibromochloromethane	11.118	129	2708	0.569 ug/l #		11
64) Tetrachloroethene	11.112	164	2596	0.635 ug/l #		78
76) 1,2,3-Trichloropropane	12.853	75	145024	27.064 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	145024	86.512 ug/l #		15

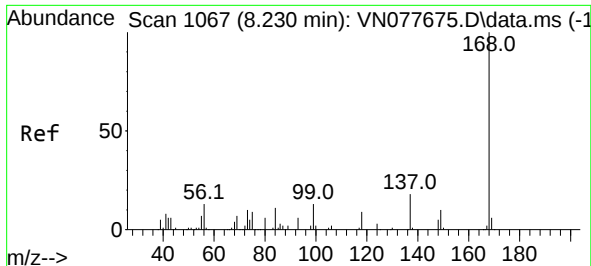
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 16 04:07:42 2023
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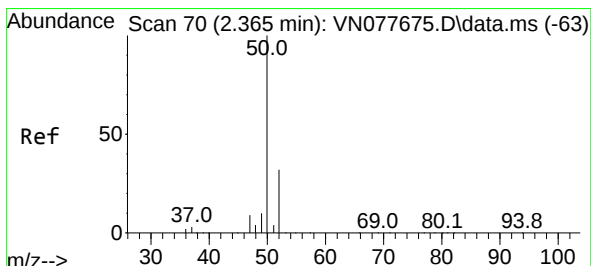
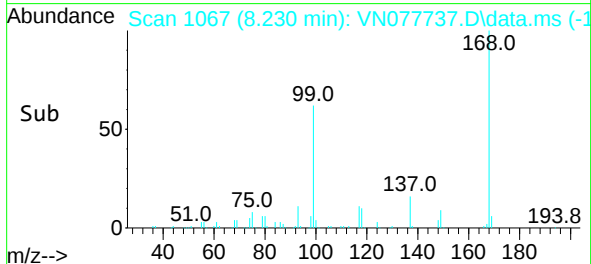
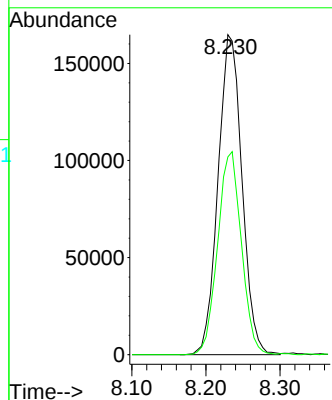
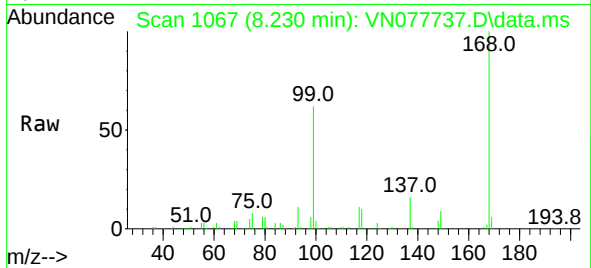




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

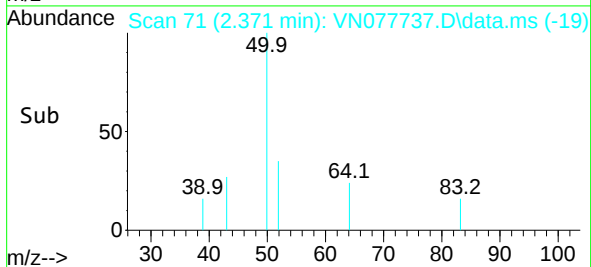
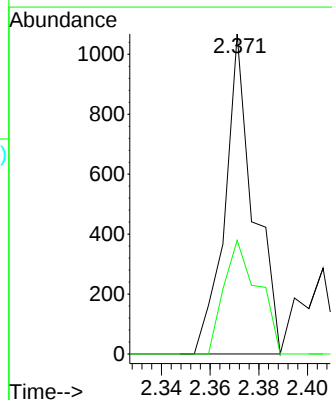
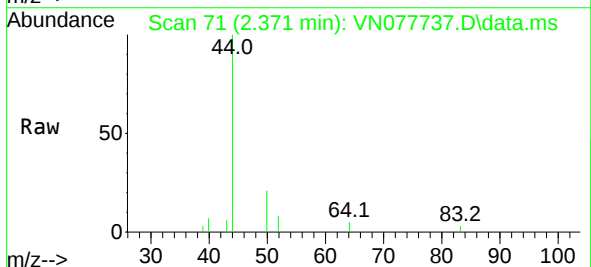
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

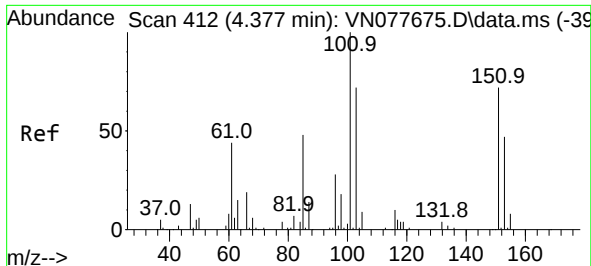
Tgt Ion:168 Resp: 369498
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Tgt Ion: 50 Resp: 869
Ion Ratio Lower Upper
50 100
52 35.5 26.5 39.7

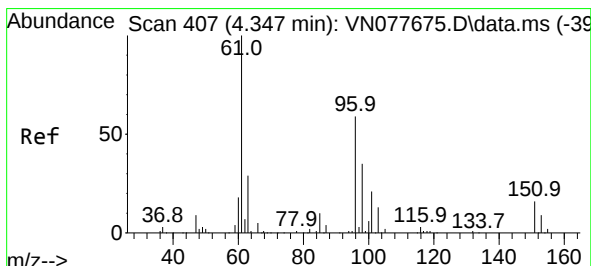
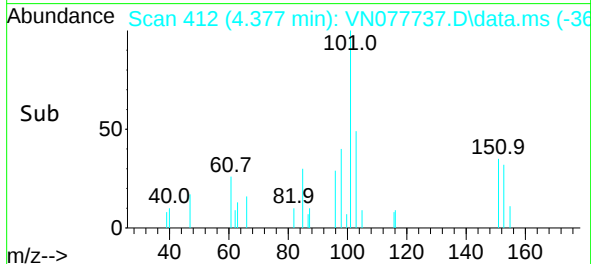
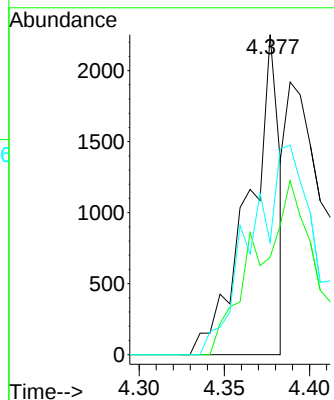
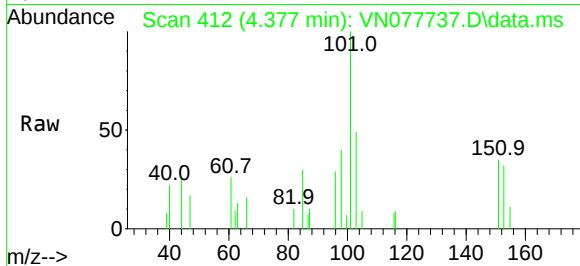




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.689 ug/l
 RT: 4.377 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VN077737.D
 Acq: 18 May 2023 15:32

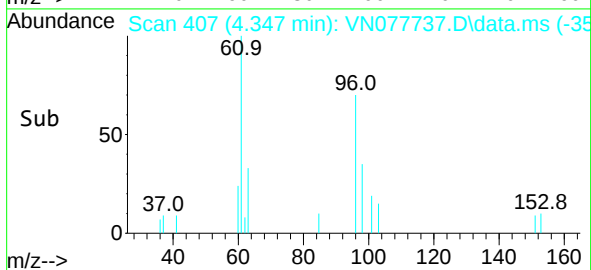
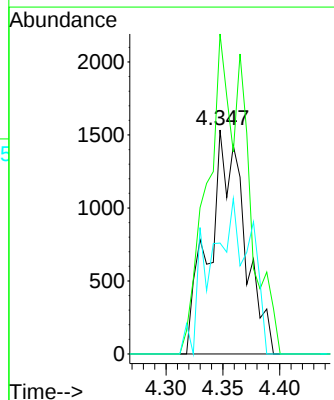
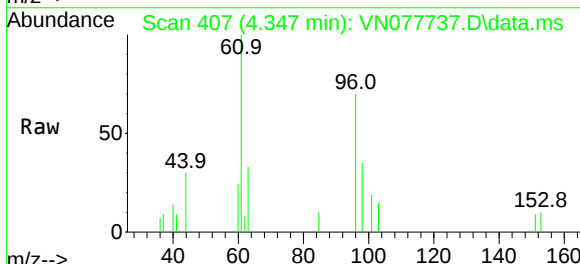
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20230516

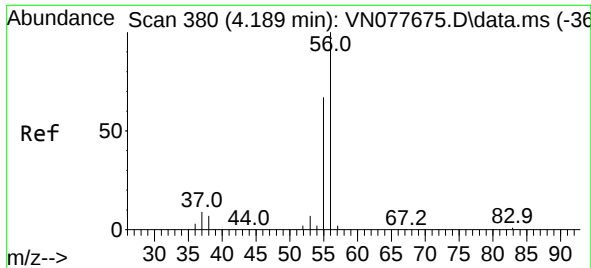
Tgt Ion:101 Resp: 2819
 Ion Ratio Lower Upper
 101 100
 85 104.8 36.6 55.0#
 151 134.5 57.6 86.4#



#12
 1,1-Dichloroethene
 Concen: 0.858 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.000 min
 Lab File: VN077737.D
 Acq: 18 May 2023 15:32

Tgt Ion: 96 Resp: 3334
 Ion Ratio Lower Upper
 96 100
 61 142.9 112.7 169.1
 98 49.5 51.2 76.8#

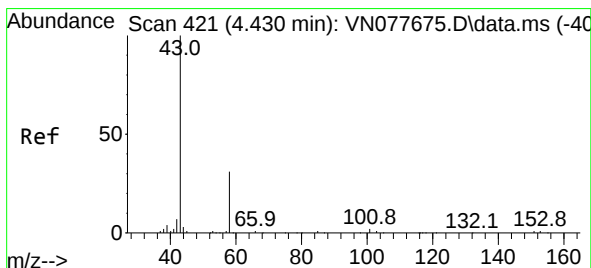
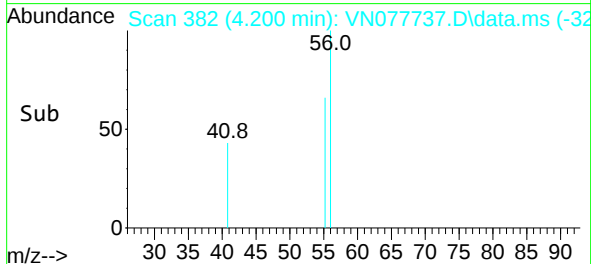
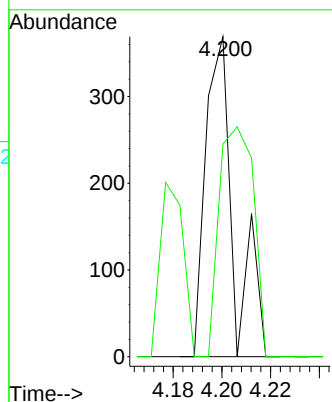
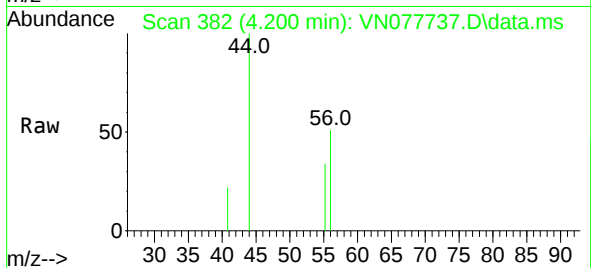




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

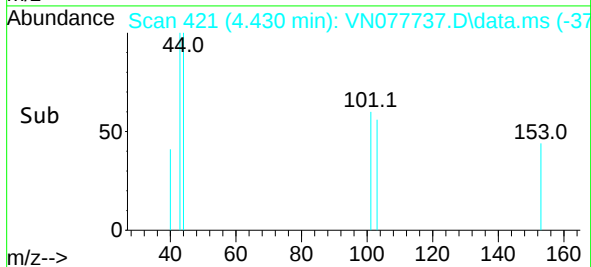
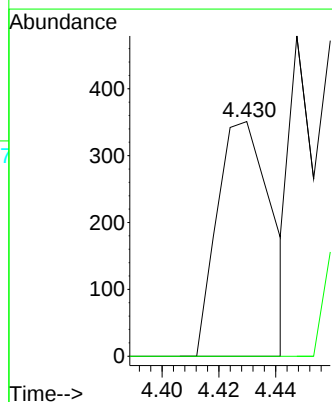
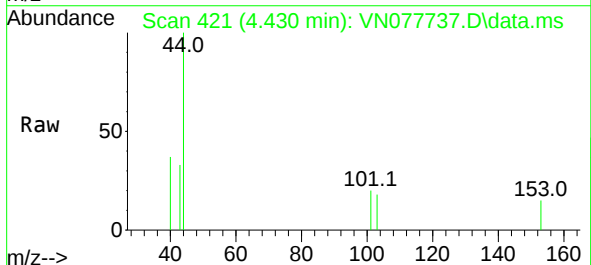
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

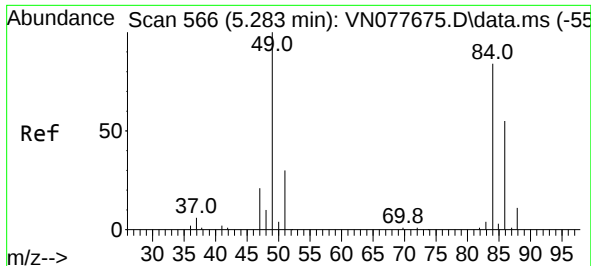
Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 88.5 54.5 81.7#



#16
Acetone
Concen: 0.267 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

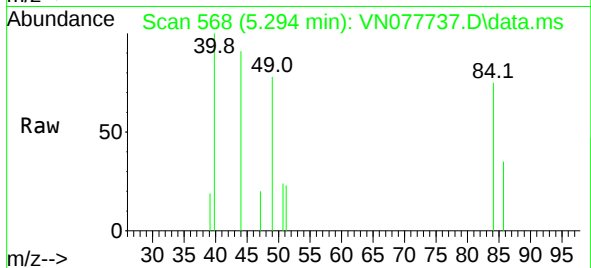
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



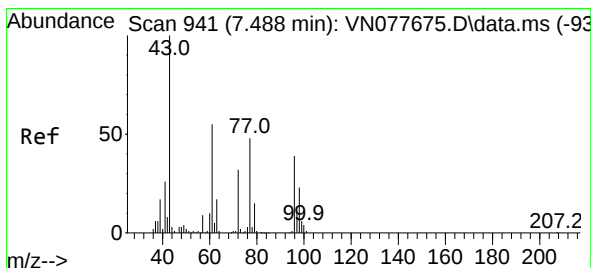
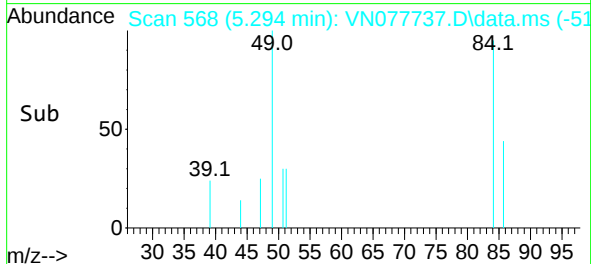
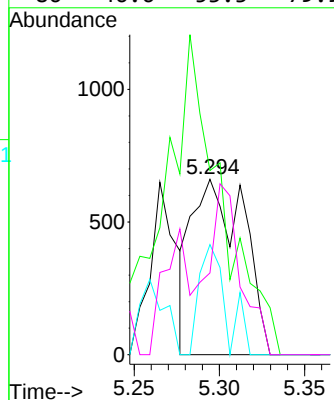


#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

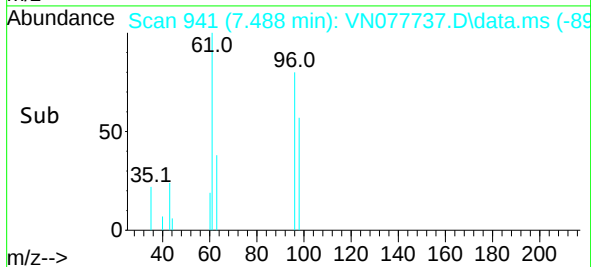
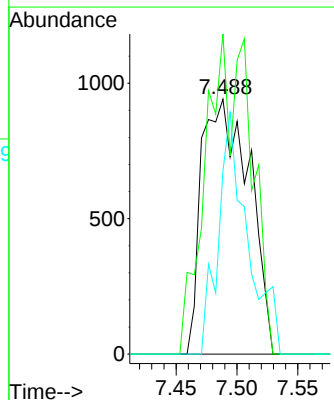
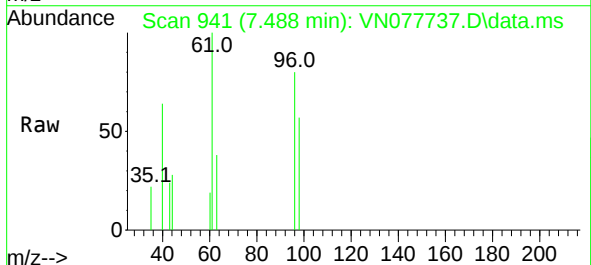


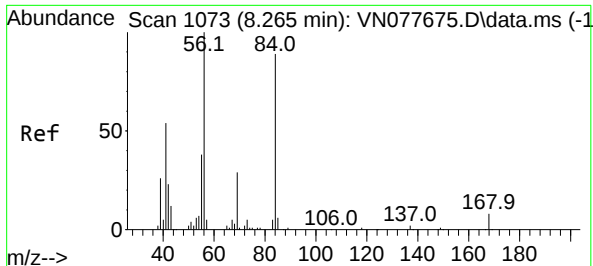
Tgt Ion: 84 Resp: 1404
Ion Ratio Lower Upper
84 100
49 105.0 79.7 119.5
51 62.8 25.2 37.8#
86 46.6 53.3 79.9#



#27
cis-1,2-Dichloroethene
Concen: 0.490 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

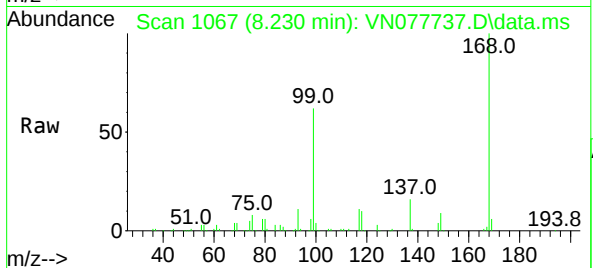
Tgt Ion: 96 Resp: 2564
Ion Ratio Lower Upper
96 100
61 66.5 0.0 255.2
98 58.0 0.0 128.8



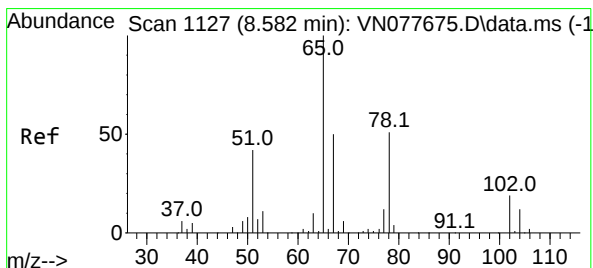
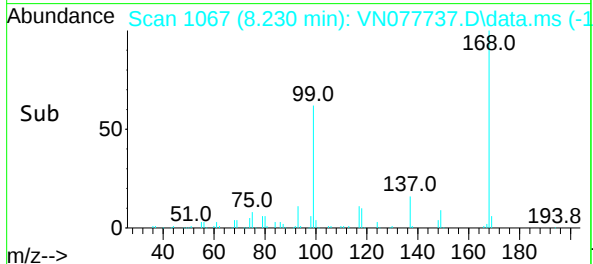
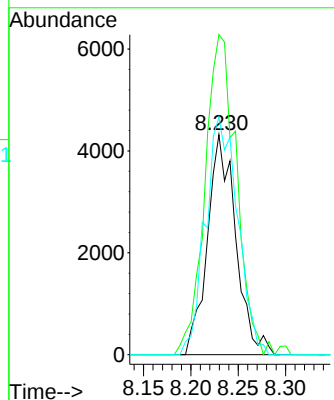


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Instrument :
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ClientSampleId :
RE120D1-20230516

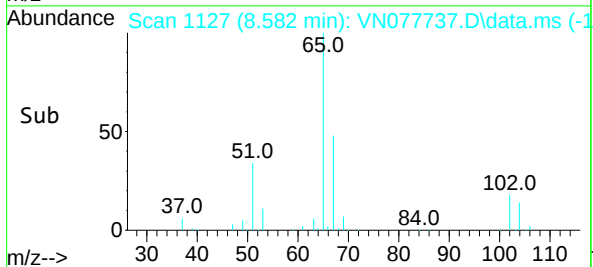
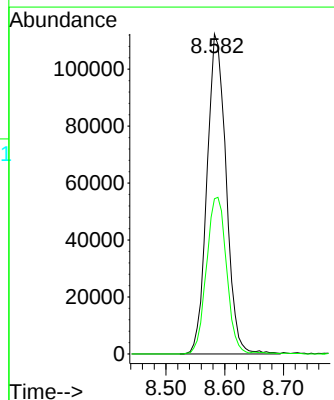
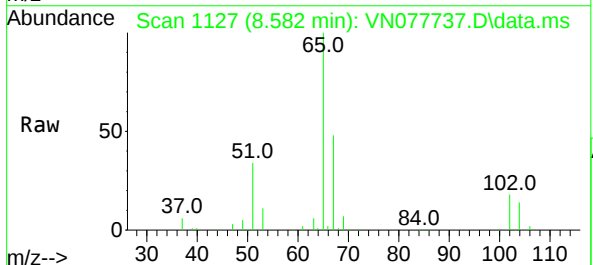


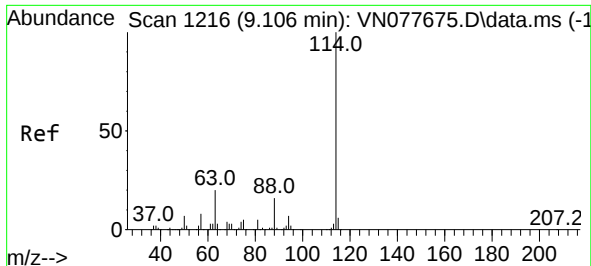
Tgt Ion: 56 Resp: 8988
Ion Ratio Lower Upper
56 100
69 141.7 26.8 40.2#
84 108.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.917 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Tgt Ion: 65 Resp: 253857
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077737.D

Acq: 18 May 2023 15:32

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20230516

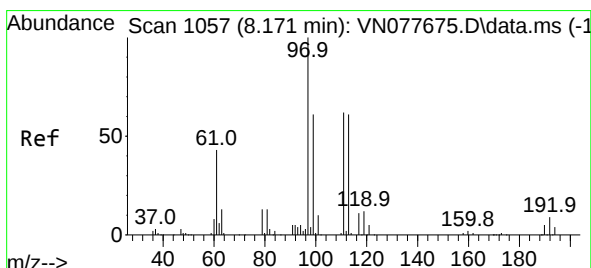
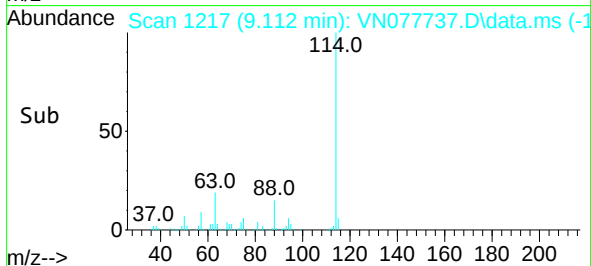
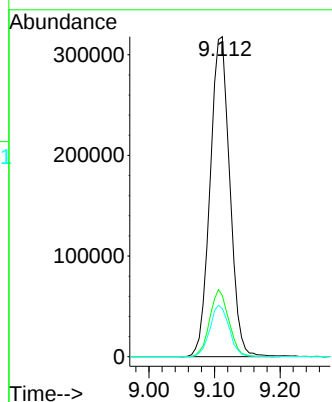
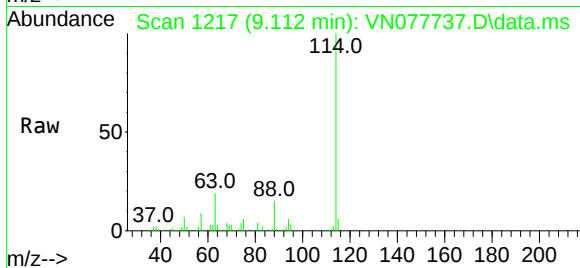
Tgt Ion:114 Resp: 662791

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.535 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077737.D

Acq: 18 May 2023 15:32

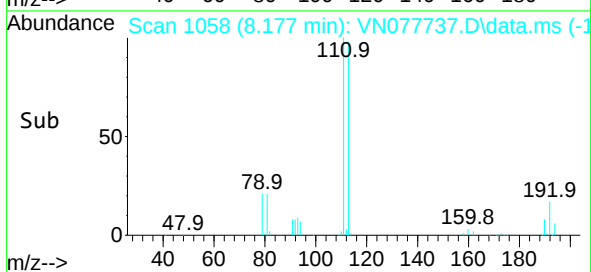
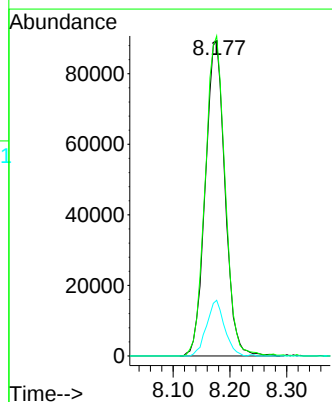
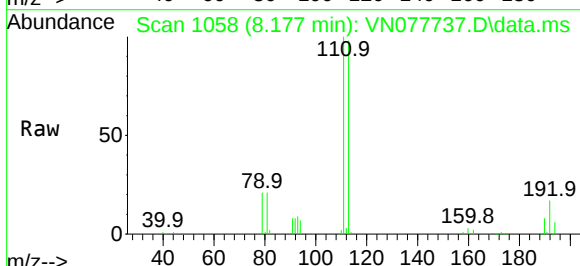
Tgt Ion:113 Resp: 214090

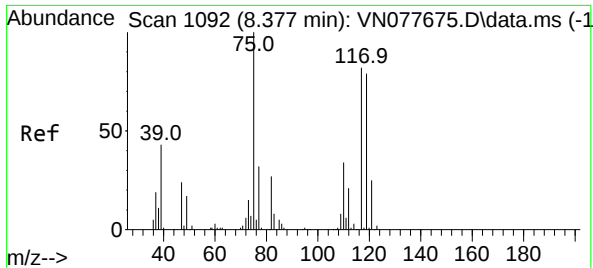
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.2 12.7 19.1

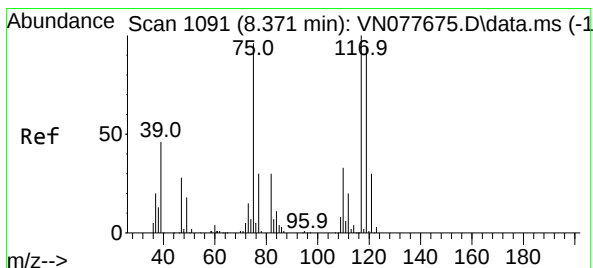
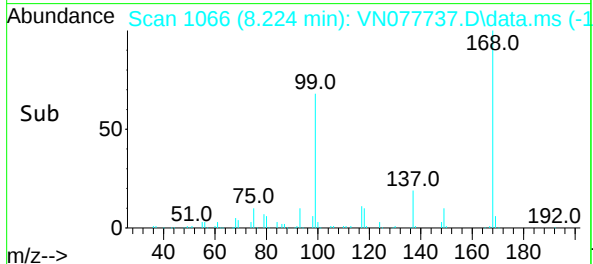
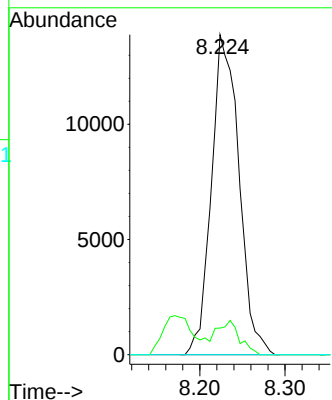
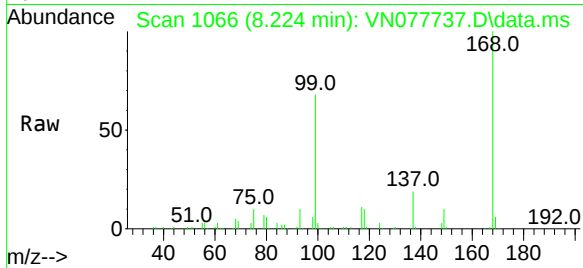




#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

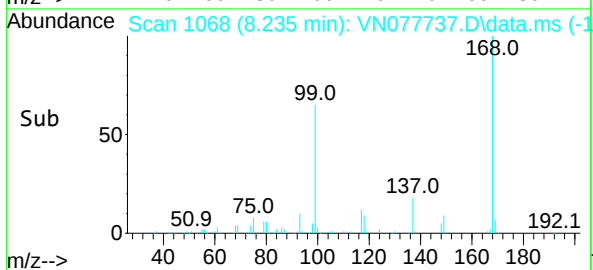
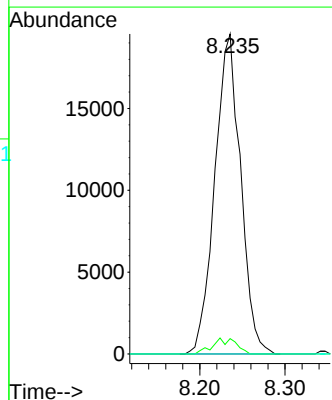
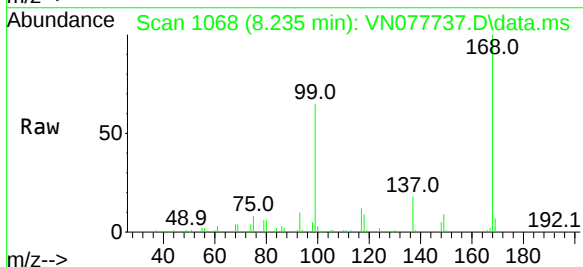
Instrument :
MSVOA_N
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RE120D1-20230516

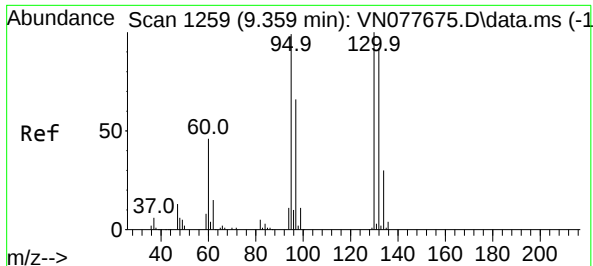
Tgt Ion: 75 Resp: 31241
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.442 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Tgt Ion: 117 Resp: 41121
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#

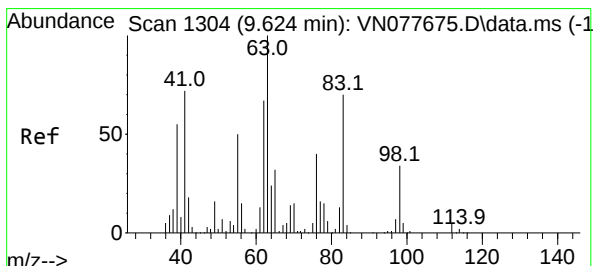
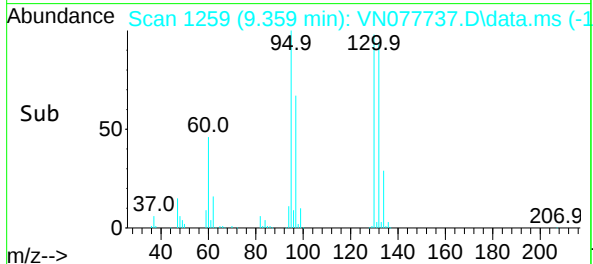
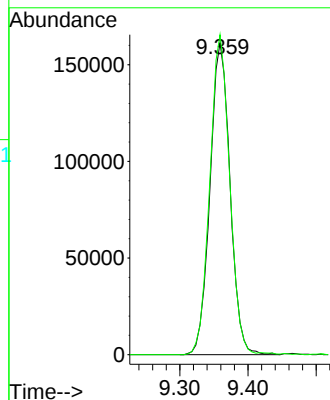
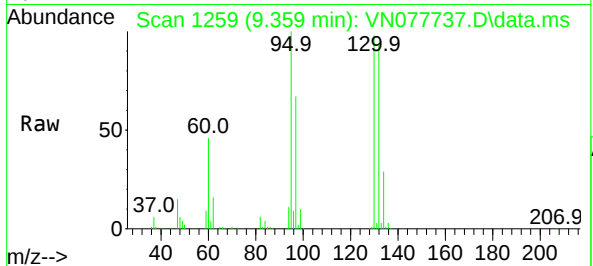




#44
Trichloroethene
Concen: 69.829 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

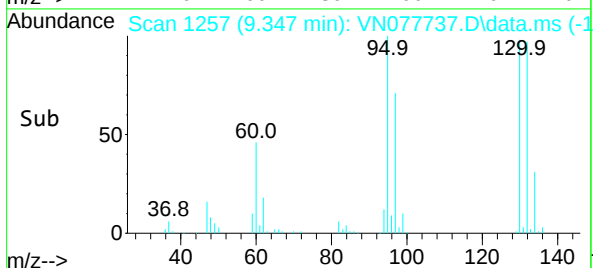
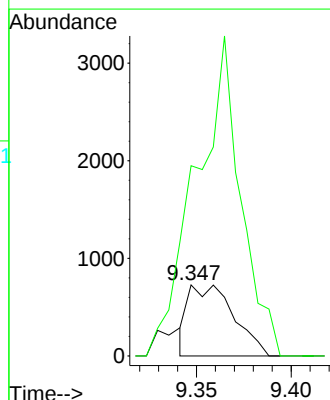
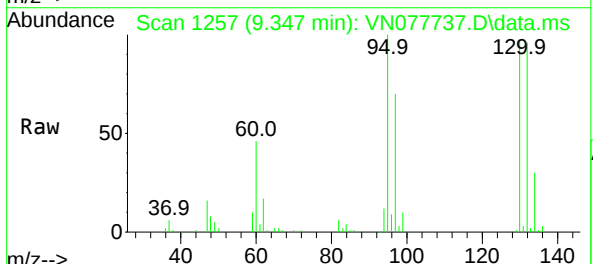
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

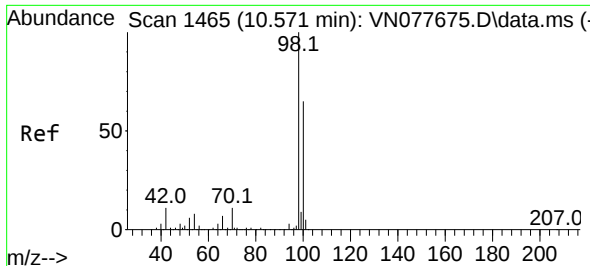
Tgt Ion:130 Resp: 329840
Ion Ratio Lower Upper
130 100
95 102.5 0.0 204.6



#45
1,2-Dichloropropane
Concen: 0.255 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.277 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Tgt Ion: 63 Resp: 1211
Ion Ratio Lower Upper
63 100
65 267.5 23.9 35.9#

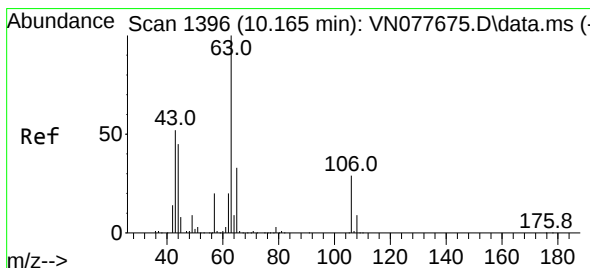
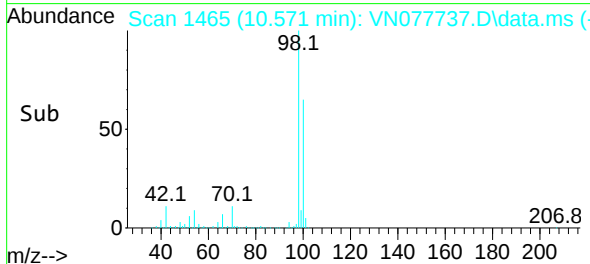
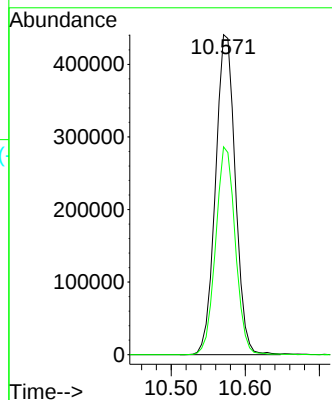
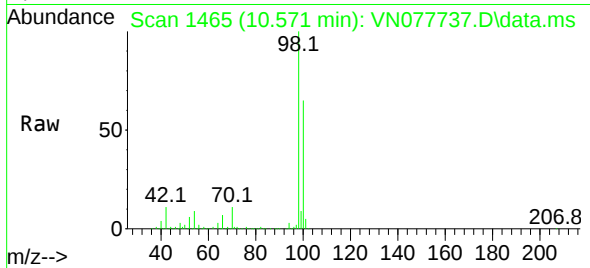




#50
Toluene-d8
Concen: 49.217 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

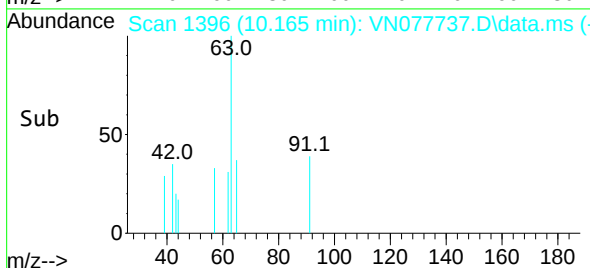
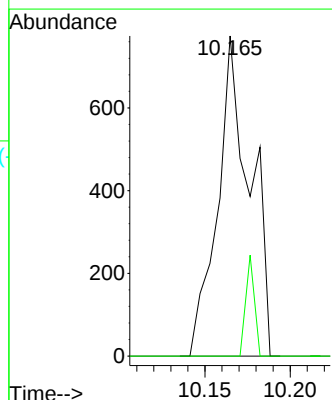
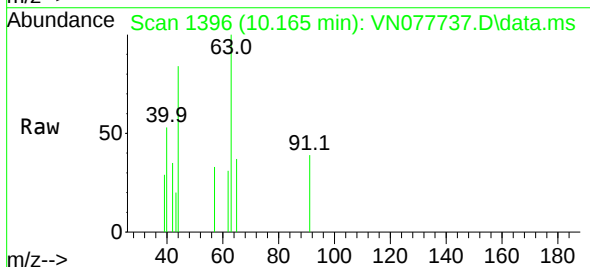
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

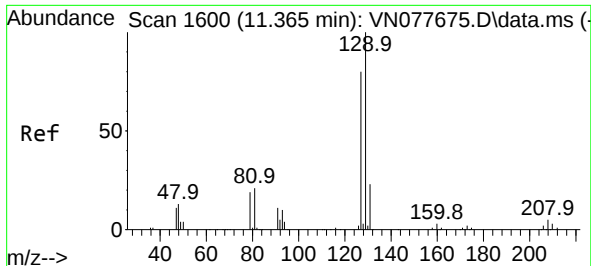
Tgt Ion: 98 Resp: 818752
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.298 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Tgt Ion: 63 Resp: 1023
Ion Ratio Lower Upper
63 100
106 8.4 26.2 39.4#

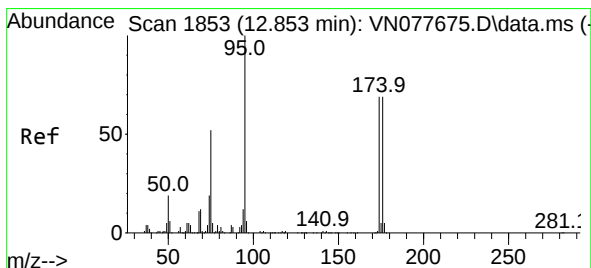
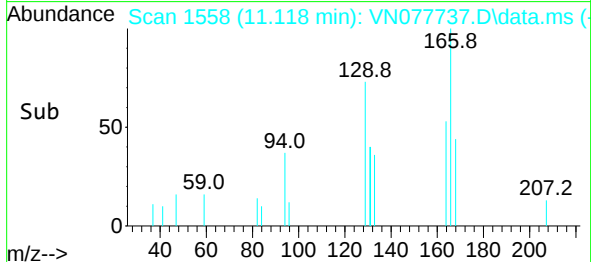
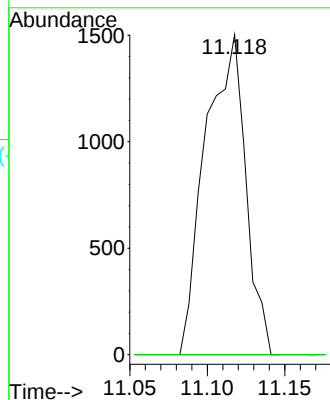
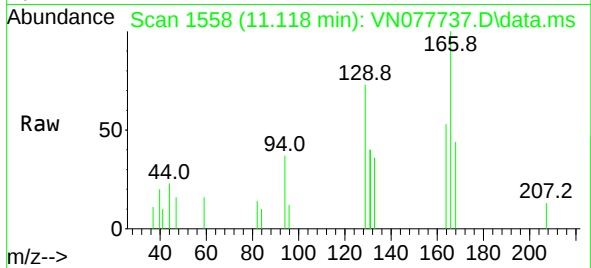




#60
Dibromochloromethane
Concen: 0.569 ug/l
RT: 11.118 min Scan# 1111
Delta R.T. -0.247 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

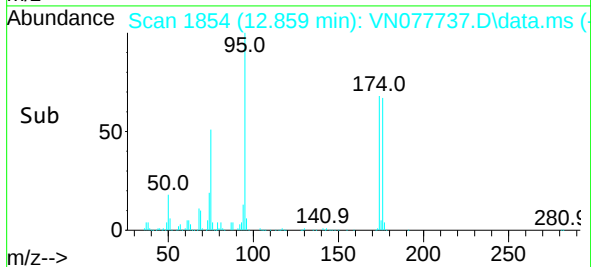
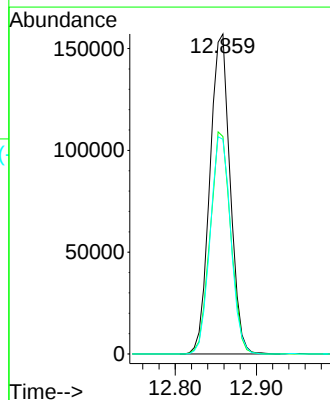
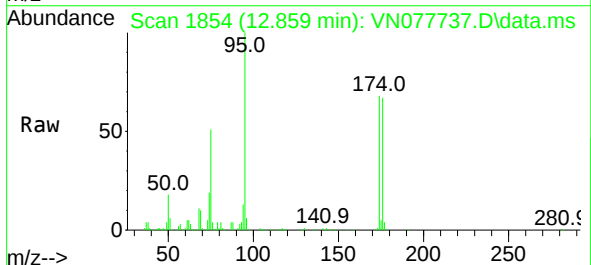
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

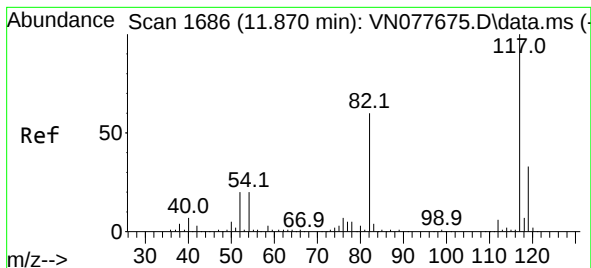
Tgt Ion:129 Resp: 2708
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 46.297 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

Tgt Ion: 95 Resp: 272013
Ion Ratio Lower Upper
95 100
174 70.1 0.0 143.8
176 68.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077737.D

Acq: 18 May 2023 15:32

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20230516

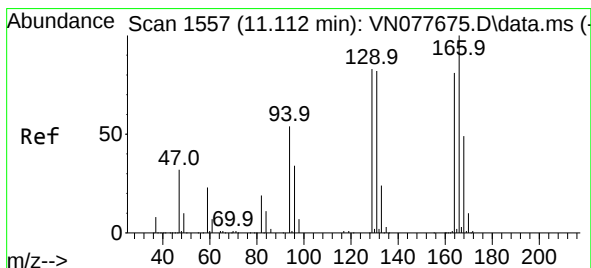
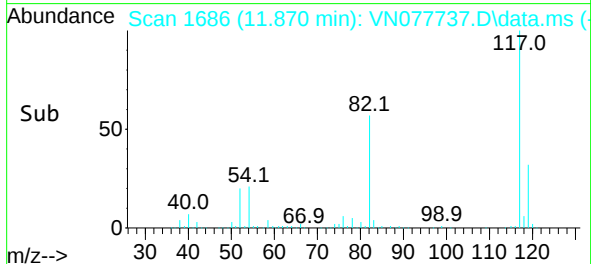
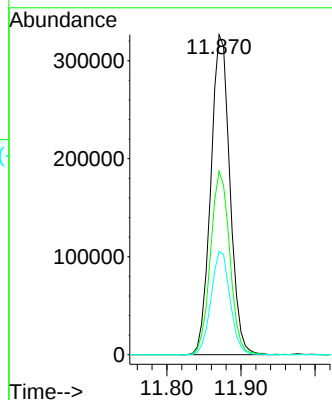
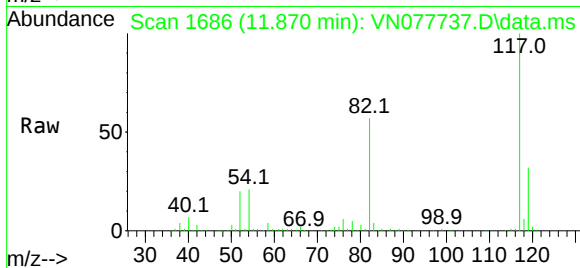
Tgt Ion:117 Resp: 584692

Ion Ratio Lower Upper

117 100

82 57.3 44.0 66.0

119 32.2 25.6 38.4



#64

Tetrachloroethene

Concen: 0.635 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VN077737.D

Acq: 18 May 2023 15:32

Tgt Ion:164 Resp: 2596

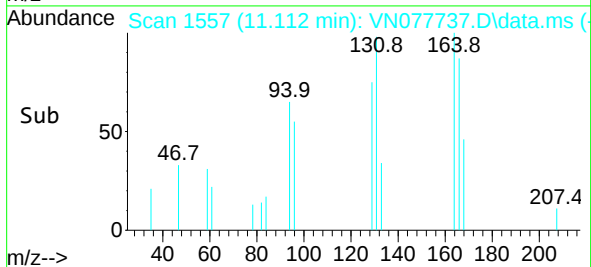
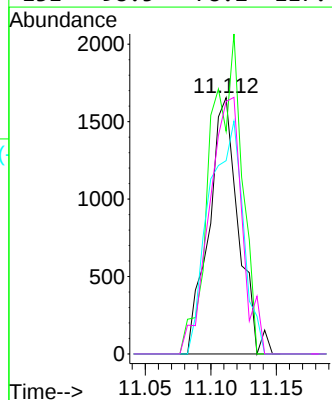
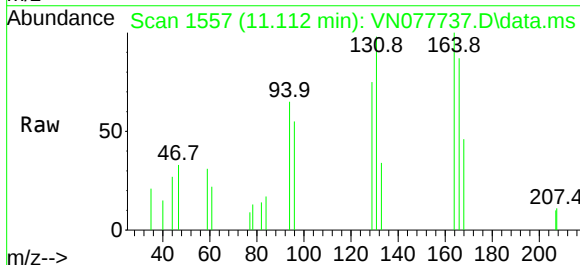
Ion Ratio Lower Upper

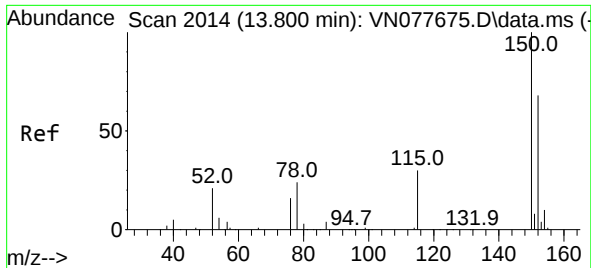
164 100

166 86.9 101.4 152.0#

129 75.4 82.4 123.6#

131 98.5 78.2 117.4

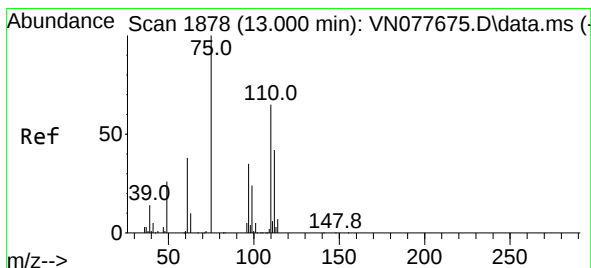
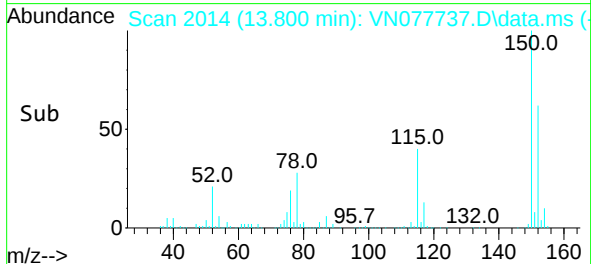
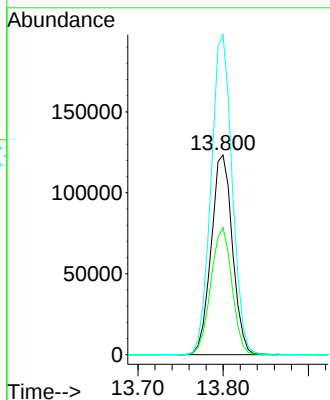
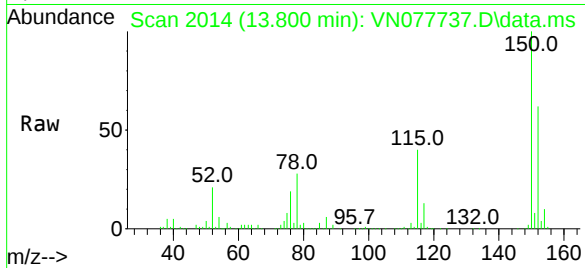




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

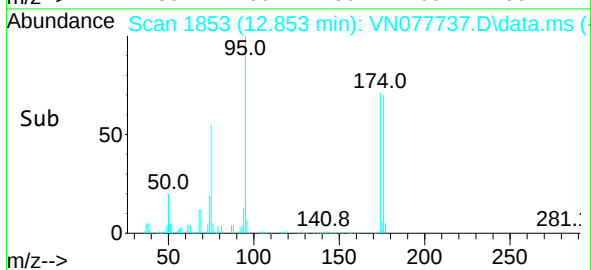
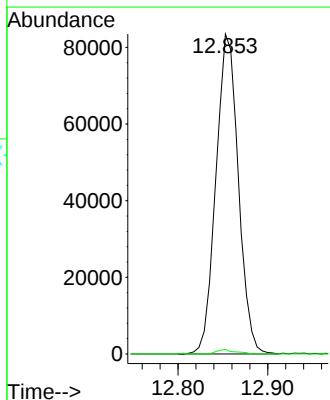
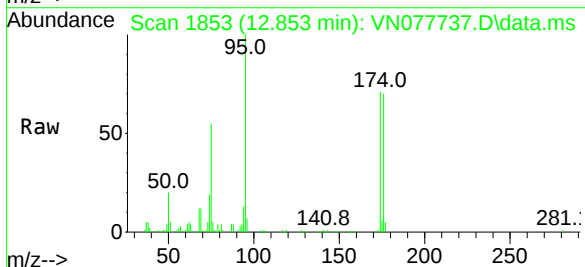
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20230516

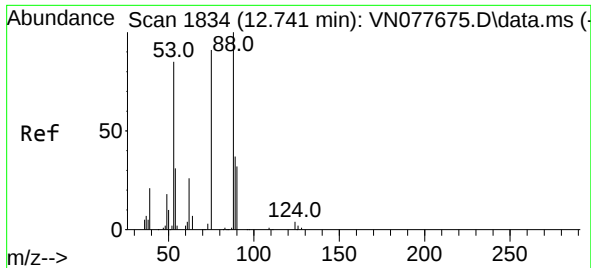
Tgt Ion:152 Resp: 213967
Ion Ratio Lower Upper
152 100
115 63.1 32.3 96.8
150 159.2 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 27.064 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077737.D
Acq: 18 May 2023 15:32

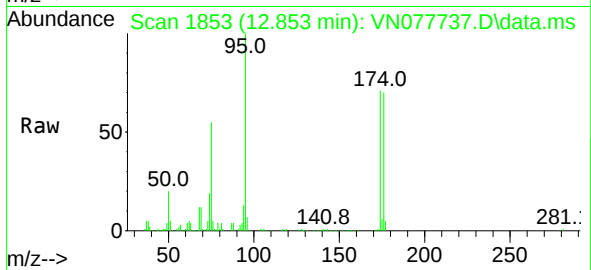
Tgt Ion: 75 Resp: 145024
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.512 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077737.D
 Acq: 18 May 2023 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20230516



Tgt Ion: 75 Resp: 145024
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

