

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077816.D
 Acq On : 23 May 2023 15:06
 Operator : JC\MD
 Sample : 02880-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT161S1-20230519

Quant Time: May 24 02:54:47 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

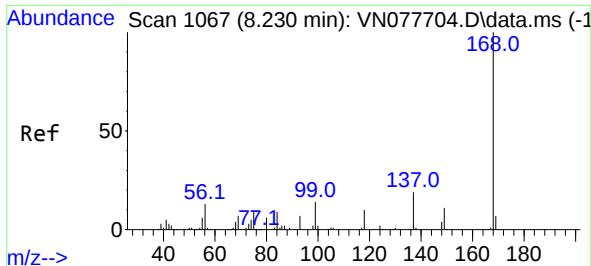
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	376464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	677507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	601322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	252802	44.880	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.760%		
35) Dibromofluoromethane	8.177	113	218915	49.551	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.100%		
50) Toluene-d8	10.576	98	840019	49.398	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.800%		
62) 4-Bromofluorobenzene	12.853	95	264081	43.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1859	Below Cal		95
12) 1,1-Dichloroethene	4.359	96	2775	0.701 ug/l #		86
13) Acrolein	4.195	56	152	Below Cal #		16
16) Acetone	4.436	43	2540	1.433 ug/l #		66
20) Methylene Chloride	5.294	84	1058	Below Cal #		57
24) 1,1-Dichloroethane	6.577	63	22336	2.674 ug/l		94
30) Chloroform	7.977	83	2991	0.326 ug/l #		81
31) Cyclohexane	8.235	56	9347	1.221 ug/l #		42
32) 1,1,1-Trichloroethane	8.177	97	2265	0.290 ug/l #		24
36) 1,1-Dichloropropene	8.230	75	32120	4.971 ug/l #		47
38) Carbon Tetrachloride	8.235	117	42260	6.476 ug/l #		16
44) Trichloroethene	9.365	130	4268	0.884 ug/l		56
51) 4-Methyl-2-Pentanone	10.571	43	3646	0.652 ug/l #		1
60) Dibromochloromethane	11.118	129	1405	0.289 ug/l #		11
64) Tetrachloroethene	11.112	164	1940	0.461 ug/l #		81
71) Bromoform	12.853	173	1644	0.548 ug/l #		1
76) 1,2,3-Trichloropropane	12.859	75	140259	28.744 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	140259	91.881 ug/l #		15

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

Quant Time: May 24 02:54:47 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

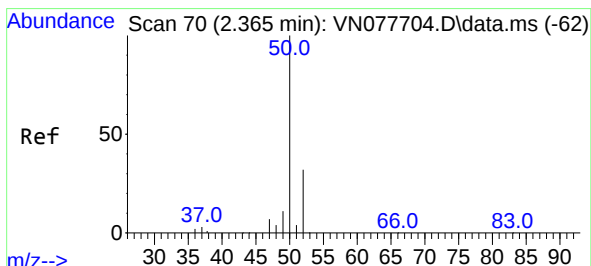
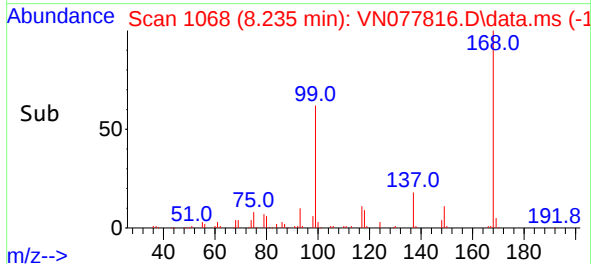
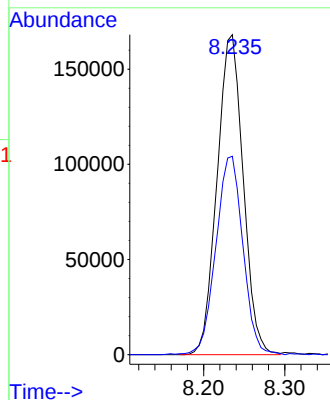
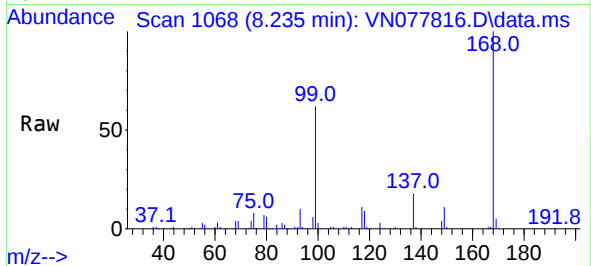




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

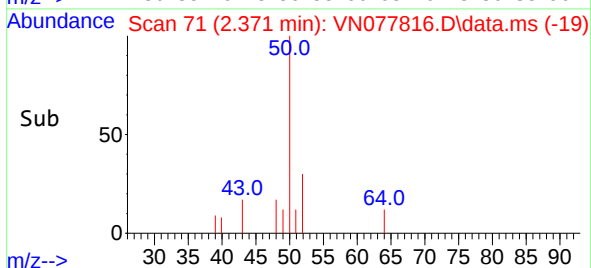
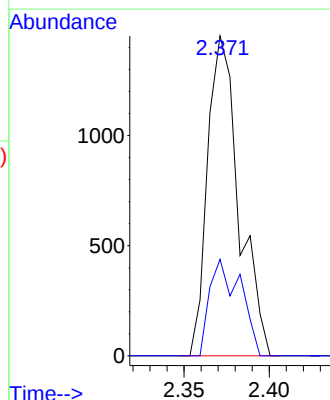
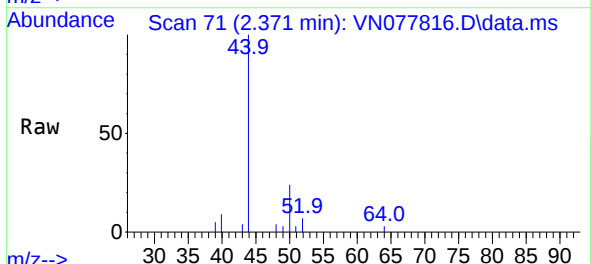
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

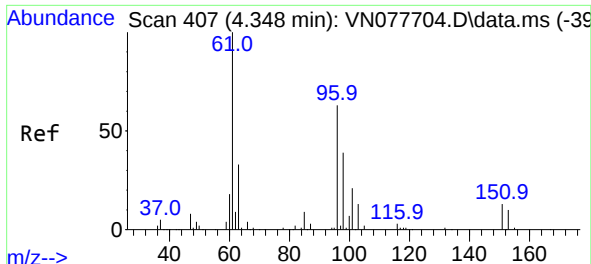
Tgt Ion:168 Resp: 376464
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion: 50 Resp: 1859
Ion Ratio Lower Upper
50 100
52 30.2 26.5 39.7





#12

1,1-Dichloroethene

Concen: 0.701 ug/l

RT: 4.359 min Scan# 409

Delta R.T. 0.012 min

Lab File: VN077816.D

Acq: 23 May 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

TT161S1-20230519

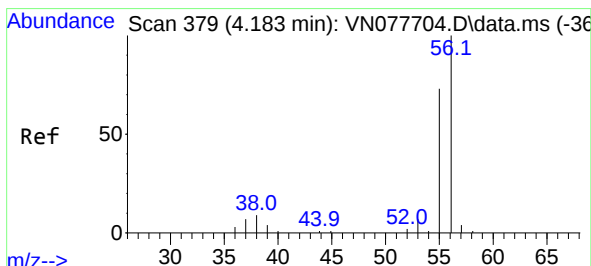
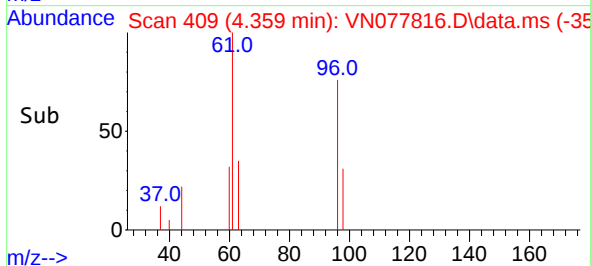
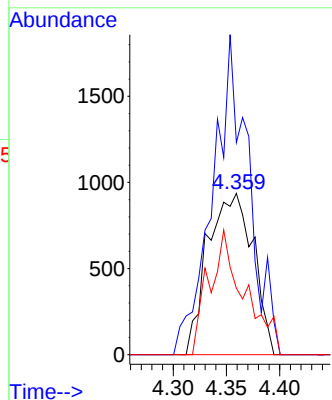
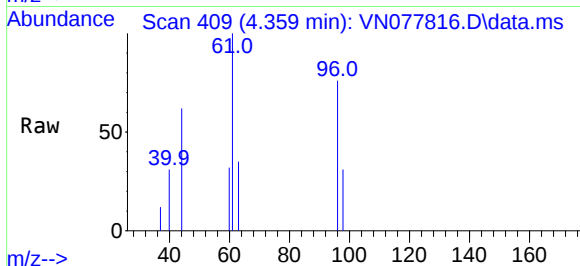
Tgt Ion: 96 Resp: 2775

Ion Ratio Lower Upper

96 100

61 131.6 112.7 169.1

98 41.2 51.2 76.8#



#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 381

Delta R.T. 0.006 min

Lab File: VN077816.D

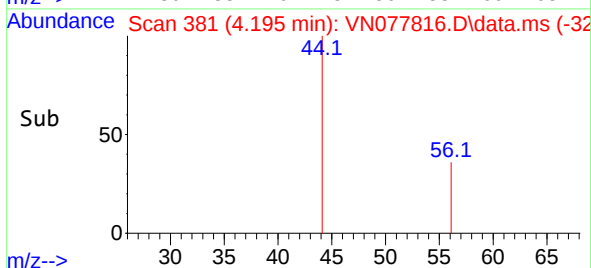
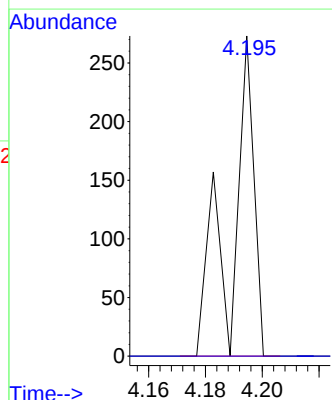
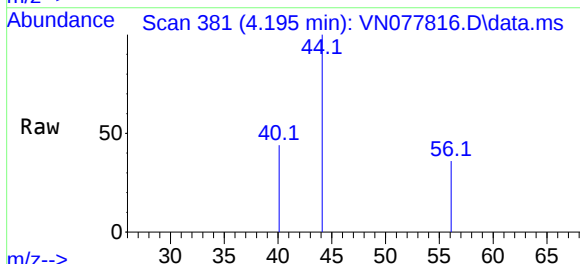
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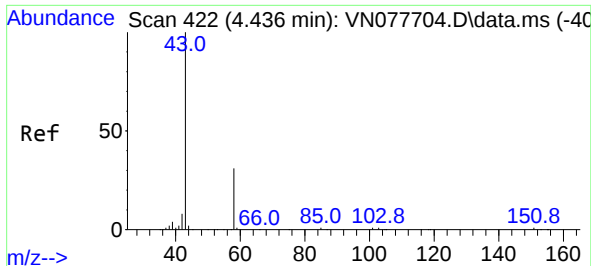
Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#

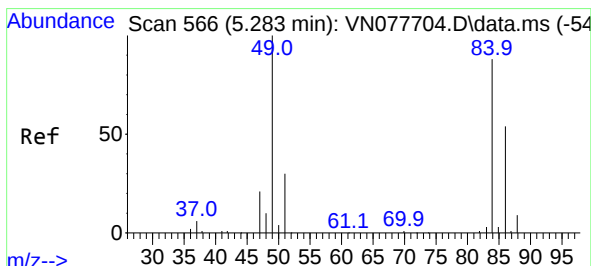
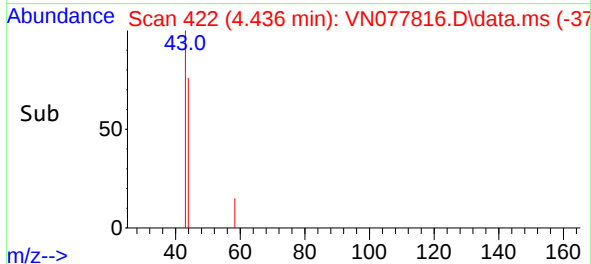
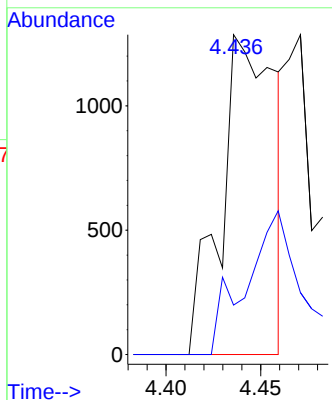
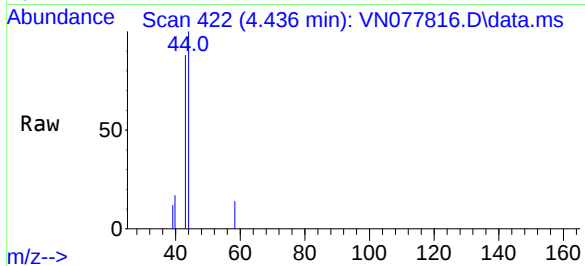




#16
Acetone
Concen: 1.433 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

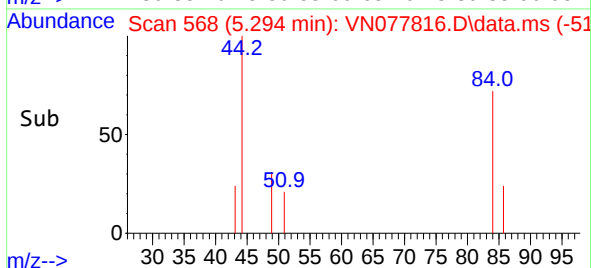
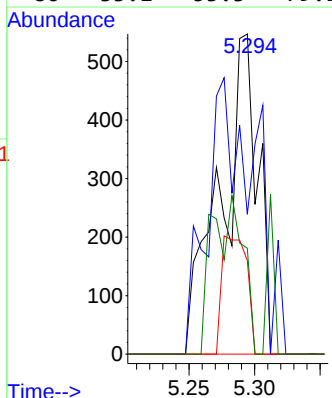
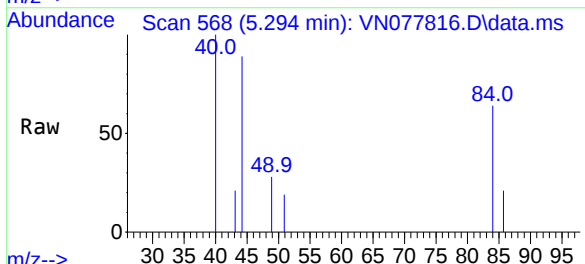
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

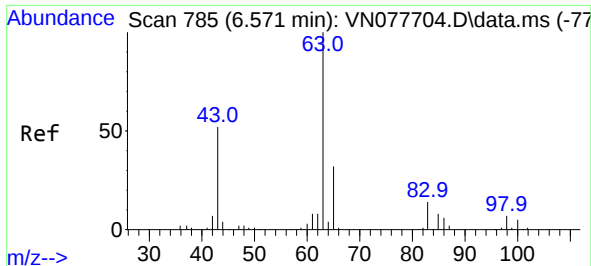
Tgt Ion: 43 Resp: 2540
Ion Ratio Lower Upper
43 100
58 15.5 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion: 84 Resp: 1058
Ion Ratio Lower Upper
84 100
49 43.7 79.7 119.5#
51 29.3 25.2 37.8
86 33.1 53.3 79.9#





#24

1,1-Dichloroethane

Concen: 2.674 ug/l

RT: 6.577 min Scan# 7

Delta R.T. 0.006 min

Lab File: VN077816.D

Acq: 23 May 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

TT161S1-20230519

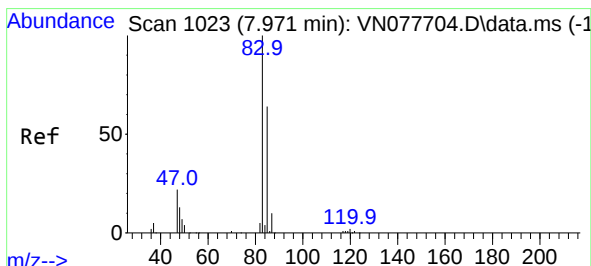
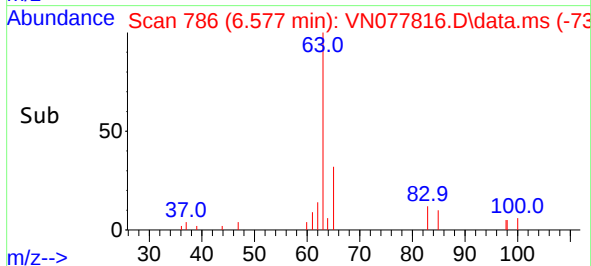
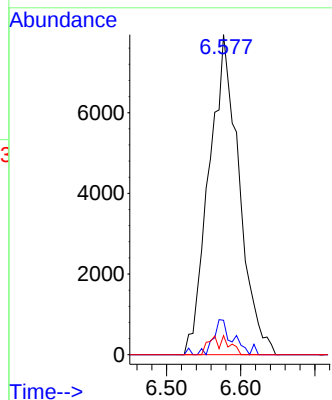
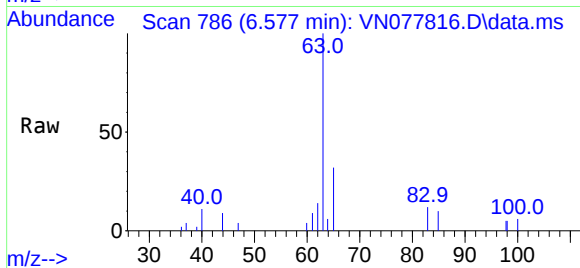
Tgt Ion: 63 Resp: 22336

Ion Ratio Lower Upper

63 100

98 10.8 3.9 11.7

100 5.9 2.5 7.4



#30

Chloroform

Concen: 0.326 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077816.D

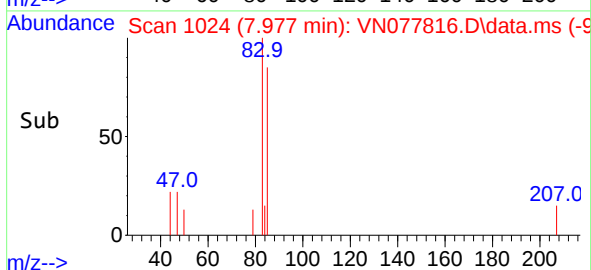
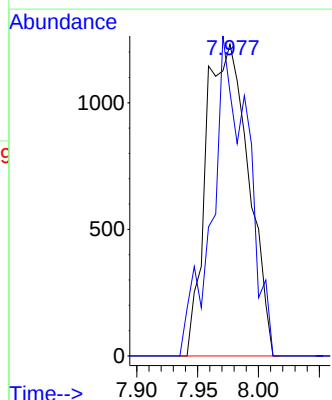
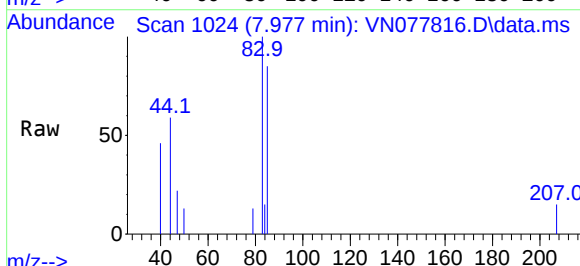
Acq: 23 May 2023 15:06

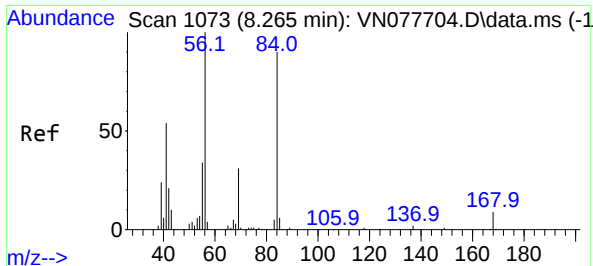
Tgt Ion: 83 Resp: 2991

Ion Ratio Lower Upper

83 100

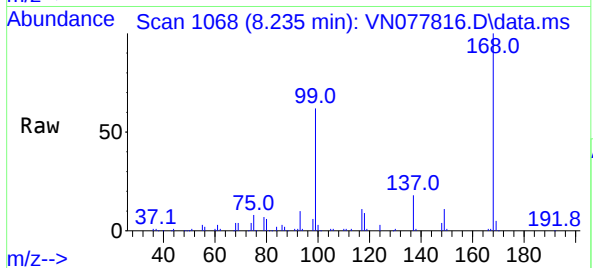
85 84.7 55.4 83.0#



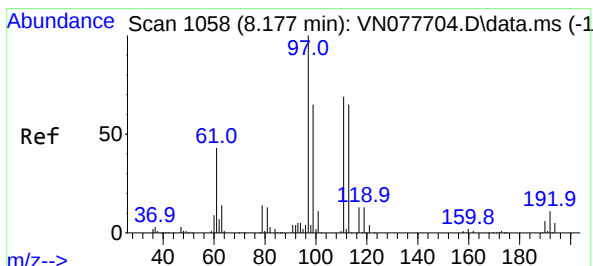
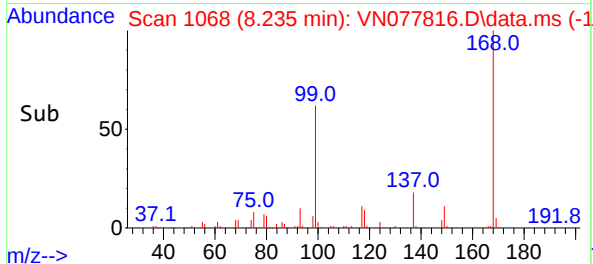
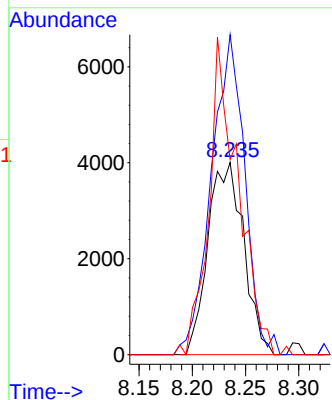


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

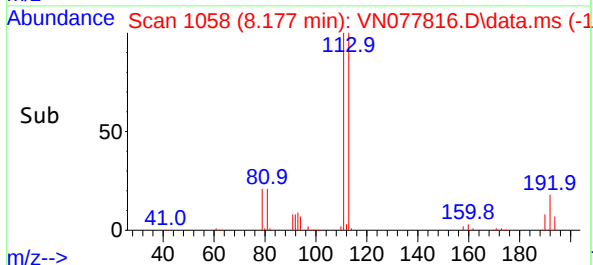
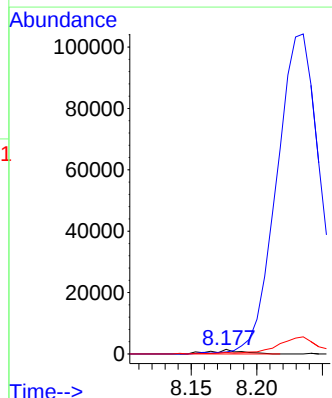
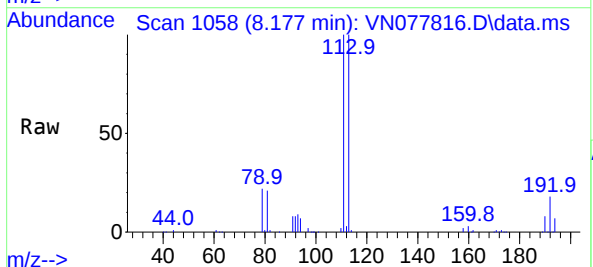


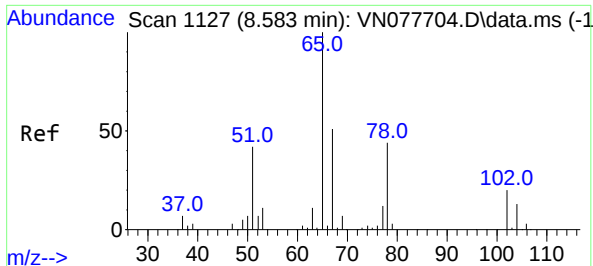
Tgt Ion: 56 Resp: 9347
Ion Ratio Lower Upper
56 100
69 166.4 26.8 40.2#
84 101.6 81.8 122.6



#32
1,1,1-Trichloroethane
Concen: 0.290 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion: 97 Resp: 2265
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 34.7 52.1#

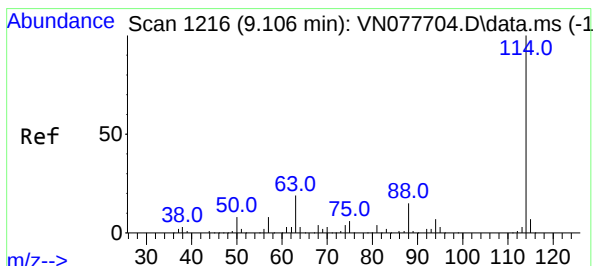
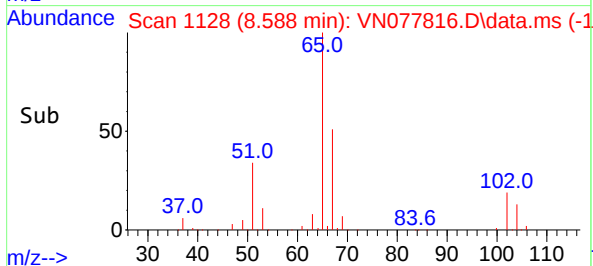
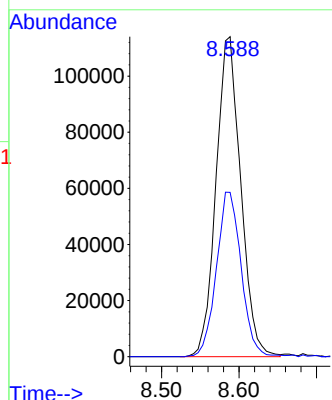
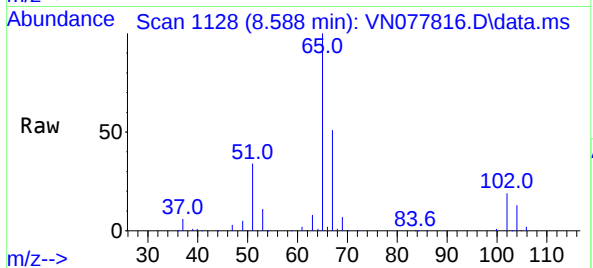




#33
1,2-Dichloroethane-d4
Concen: 44.880 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

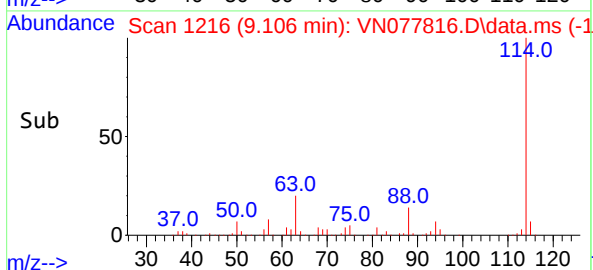
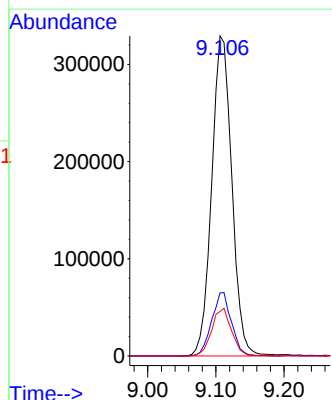
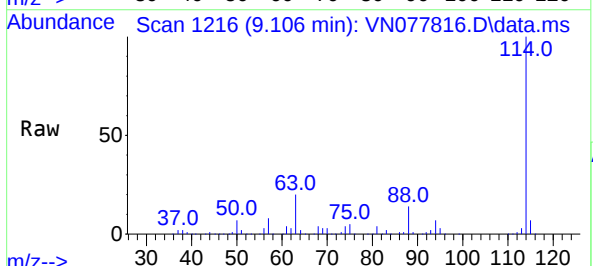
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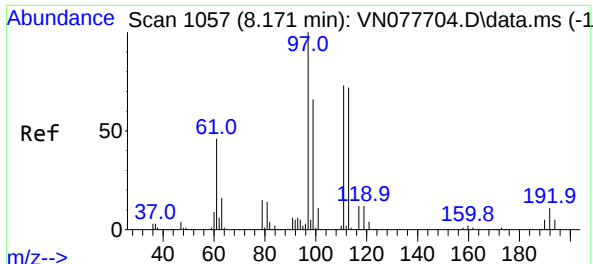
Tgt Ion: 65 Resp: 252802
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion: 114 Resp: 677507
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.4
88 13.9 0.0 30.6

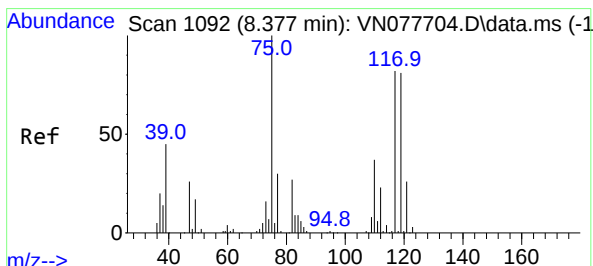
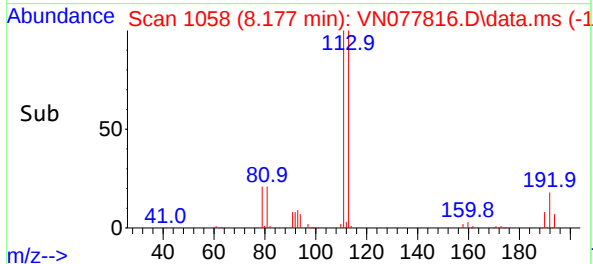
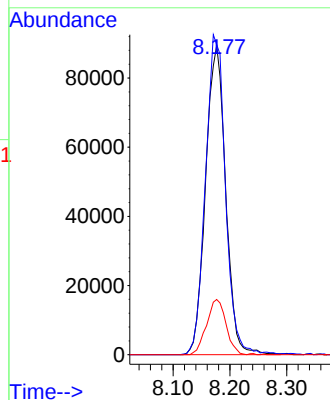
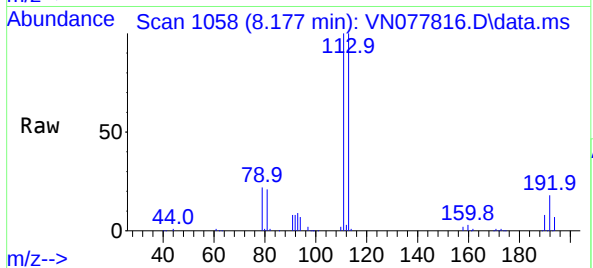




#35
Dibromofluoromethane
Concen: 49.551 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

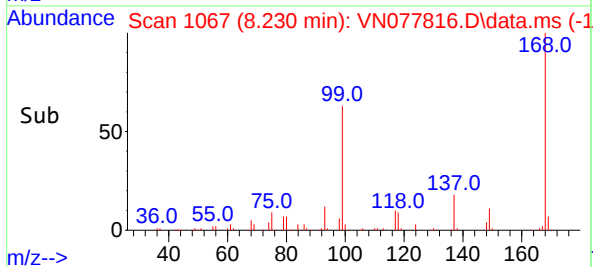
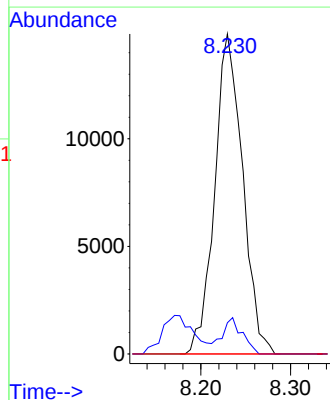
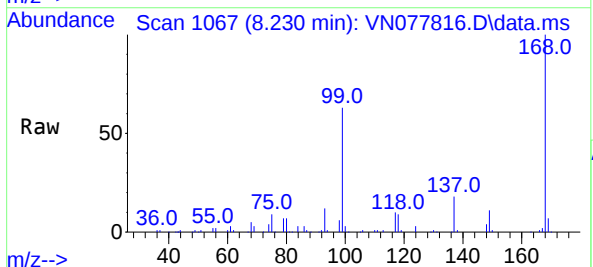
Instrument :
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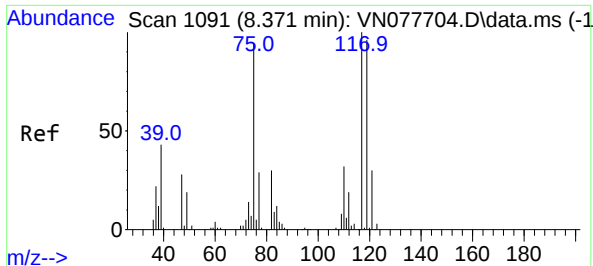
Tgt Ion: 113 Resp: 218915
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

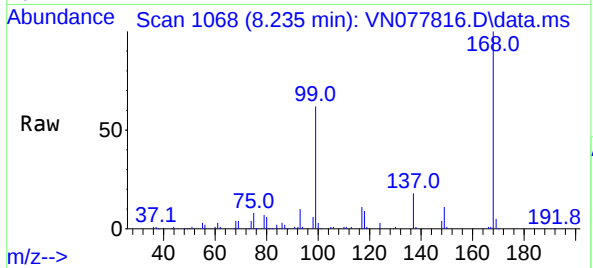
Tgt Ion: 75 Resp: 32120
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



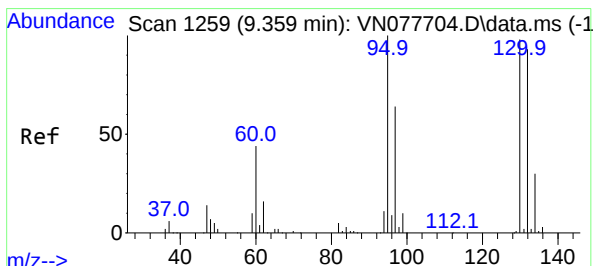
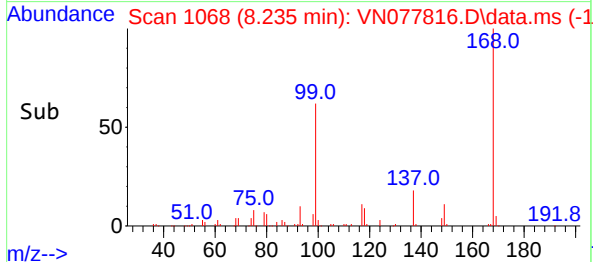
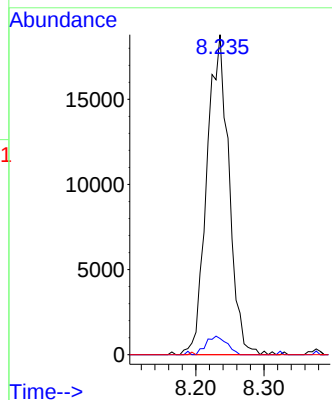


#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Instrument :
MSVOA_N
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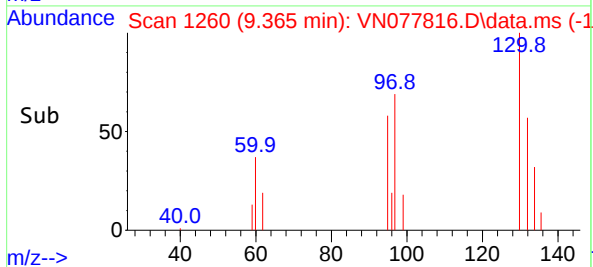
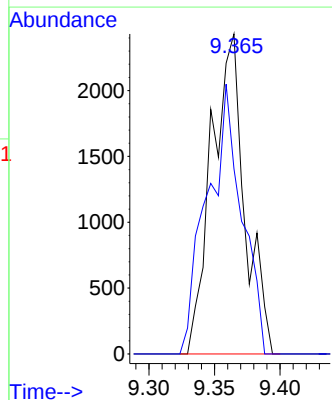
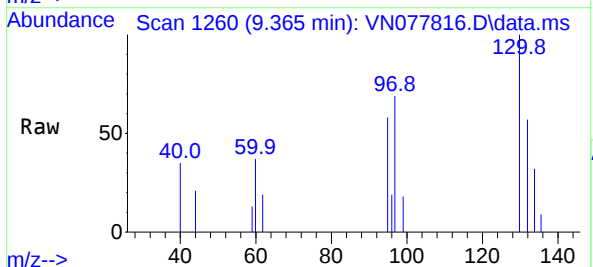


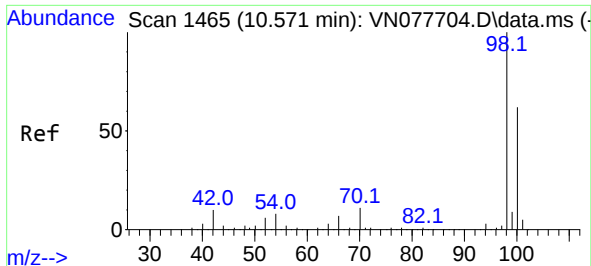
Tgt Ion:117 Resp: 42260
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 0.884 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion:130 Resp: 4268
Ion Ratio Lower Upper
130 100
95 57.9 0.0 204.6

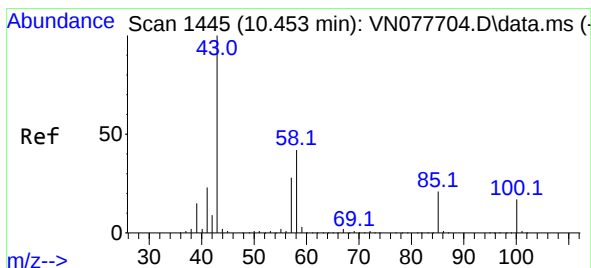
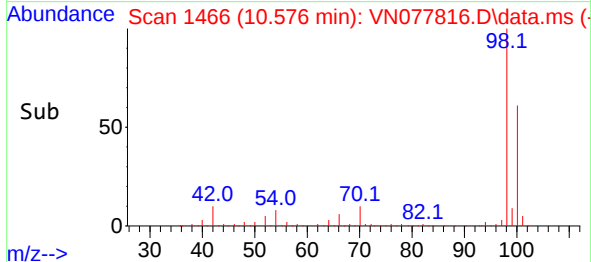
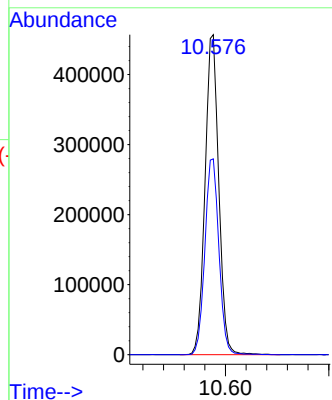
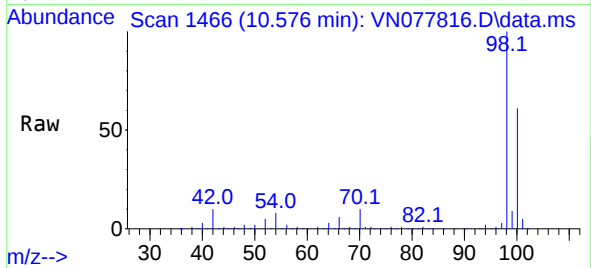




#50
Toluene-d8
Concen: 49.398 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

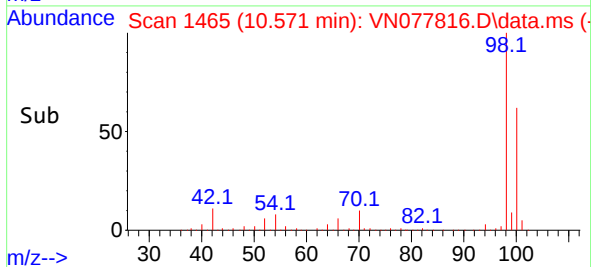
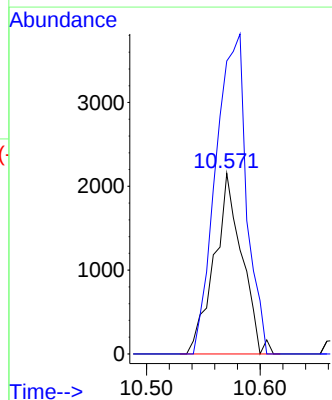
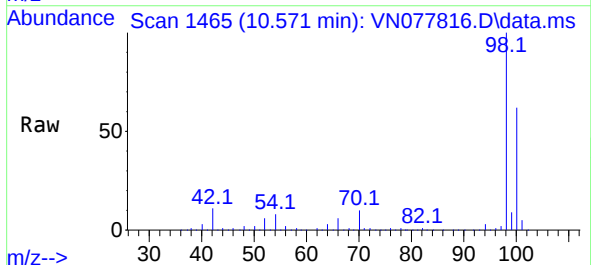
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

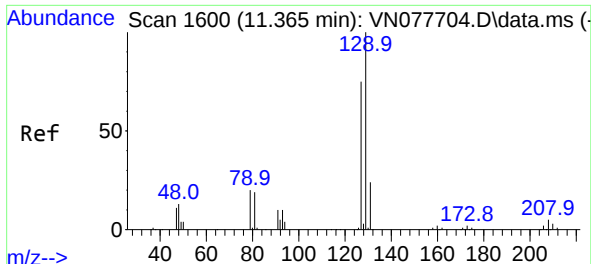
Tgt Ion: 98 Resp: 840019
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.652 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion: 43 Resp: 3646
Ion Ratio Lower Upper
43 100
58 197.3 36.6 54.8#

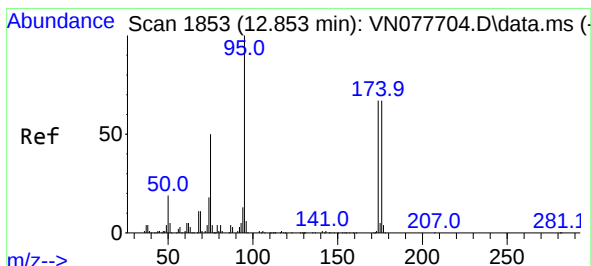
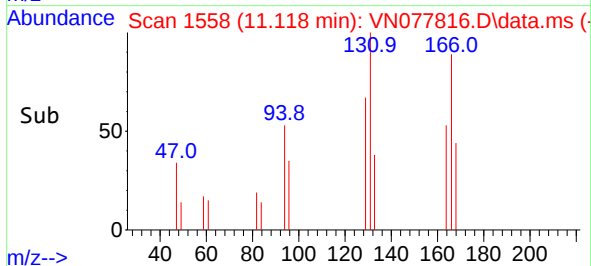
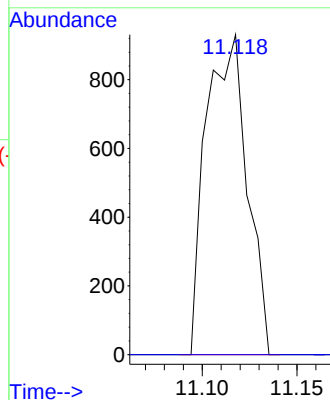
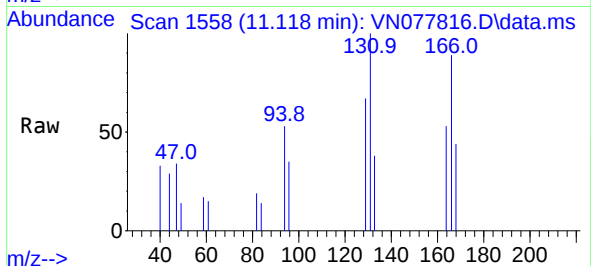




#60
Dibromochloromethane
Concen: 0.289 ug/l
RT: 11.118 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

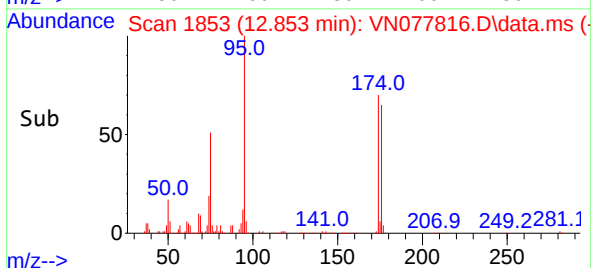
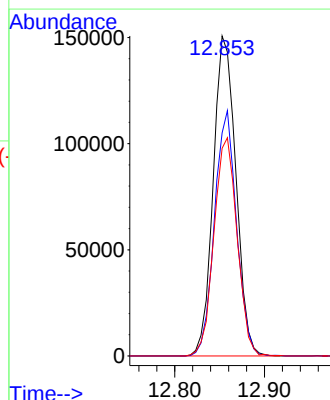
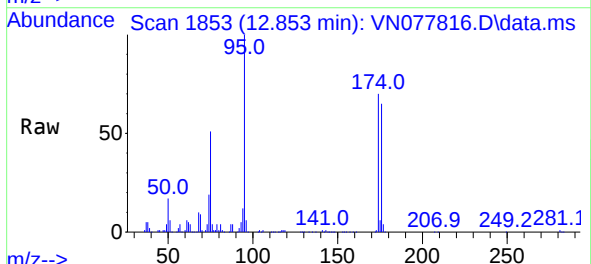
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

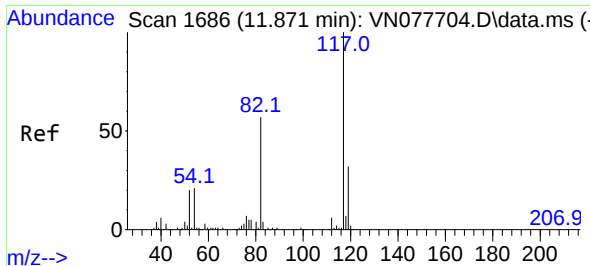
Tgt Ion:129 Resp: 1405
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.971 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

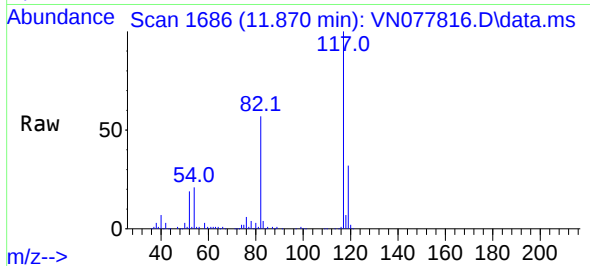
Tgt Ion: 95 Resp: 264081
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 69.7 0.0 135.8



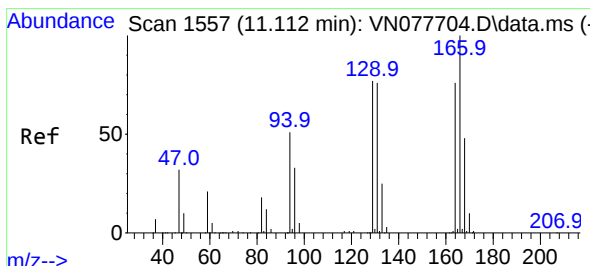
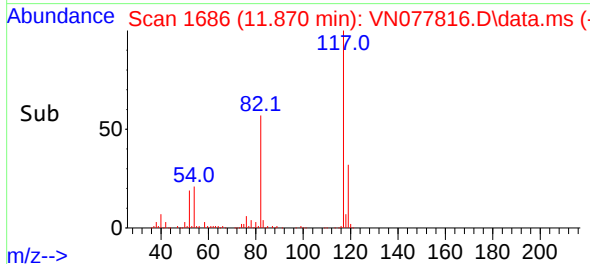
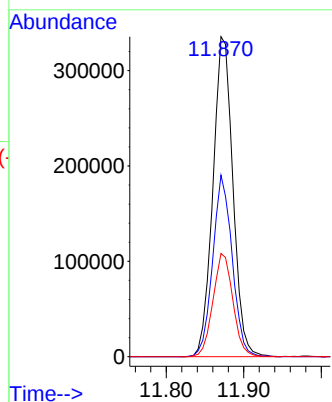


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

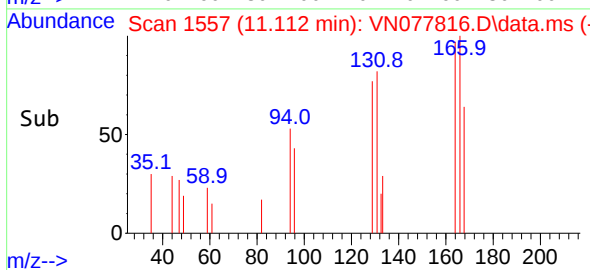
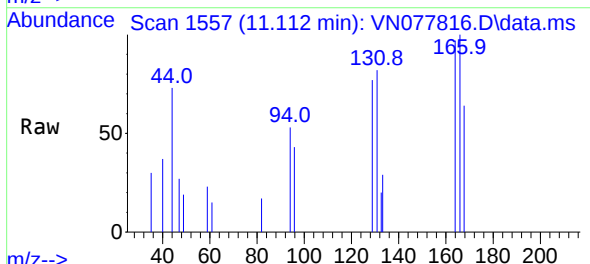
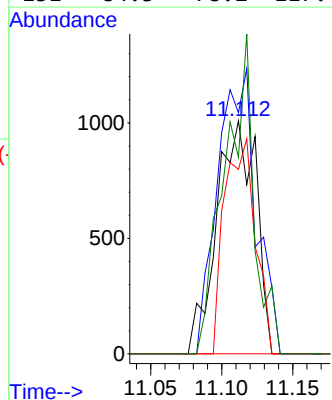


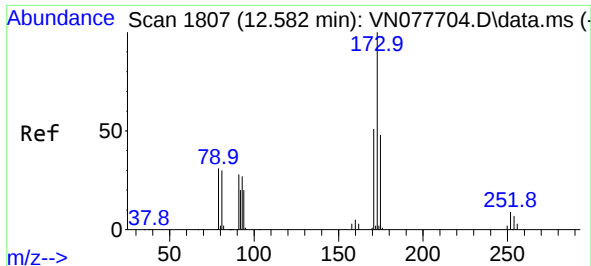
Tgt Ion:117 Resp: 601322
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 0.461 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion:164 Resp: 1940
Ion Ratio Lower Upper
164 100
166 103.5 101.4 152.0
129 79.2 82.4 123.6#
131 84.3 78.2 117.4

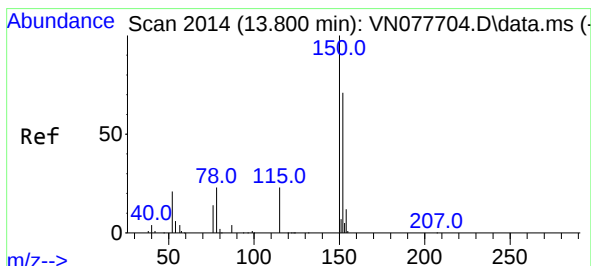
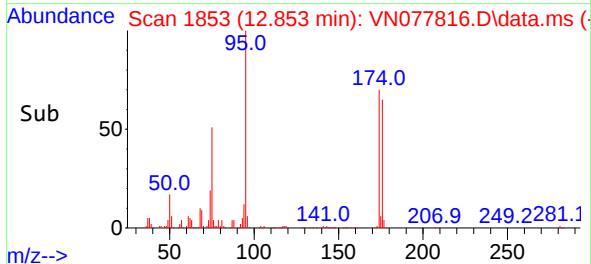
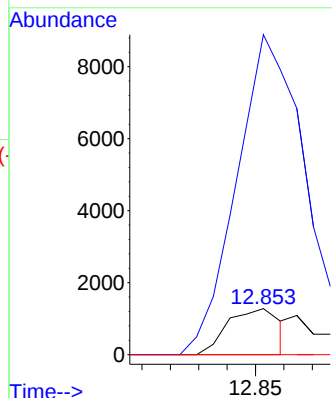
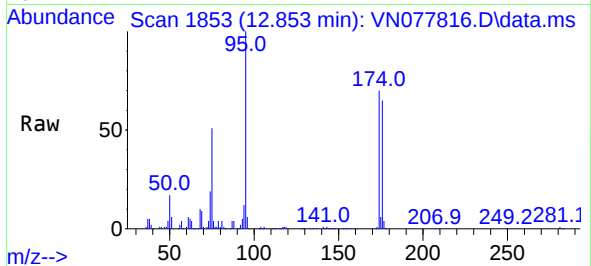




#71
Bromoform
Concen: 0.548 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

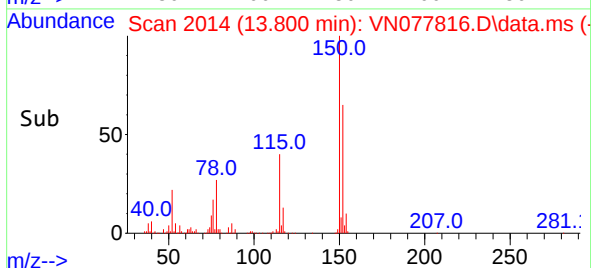
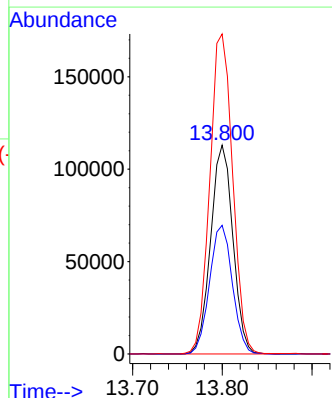
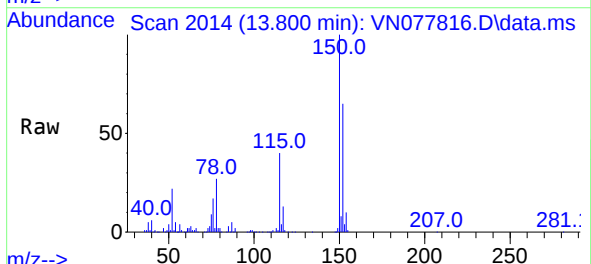
Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

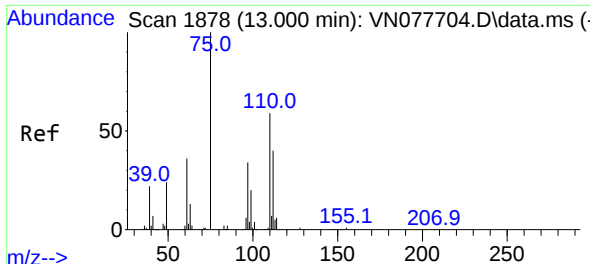
Tgt Ion:173 Resp: 1644
Ion Ratio Lower Upper
173 100
175 627.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion:152 Resp: 194844
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 157.0 0.0 355.8

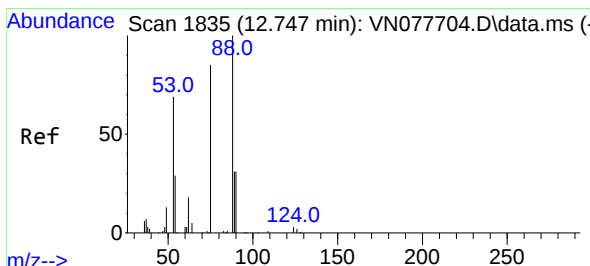
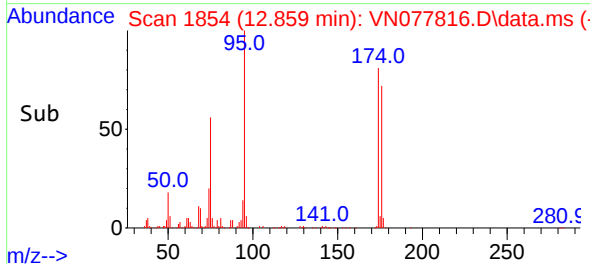
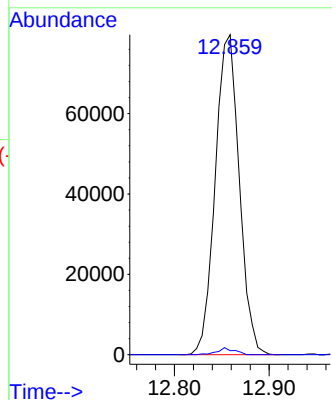
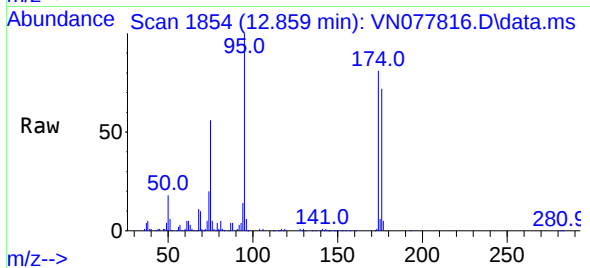




#76
1,2,3-Trichloropropane
Concen: 28.744 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :
TT161S1-20230519

Tgt Ion: 75 Resp: 140259
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.881 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077816.D
Acq: 23 May 2023 15:06

Tgt Ion: 75 Resp: 140259
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

