

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075778.D
 Acq On : 14 Dec 2022 18:27
 Operator : JC\MD
 Sample : N6026-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-12-12

Quant Time: Dec 15 00:29:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

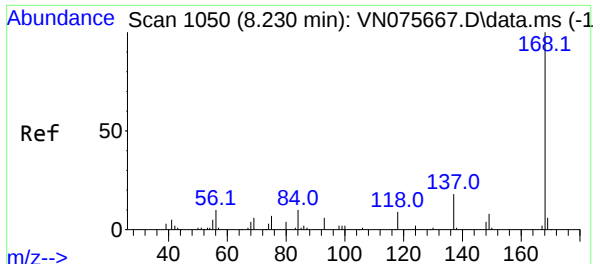
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	353864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	545503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	474698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	177288	46.052	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.100%		
35) Dibromofluoromethane	8.171	113	162645	48.145	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.300%		
50) Toluene-d8	10.571	98	631083	49.964	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.920%		
62) 4-Bromofluorobenzene	12.853	95	197220	47.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.280%		
Target Compounds						
20) Methylene Chloride	5.283	84	228	Below Cal	#	12
31) Cyclohexane	8.230	56	6282	1.139	ug/l #	5
36) 1,1-Dichloropropene	8.230	75	24332	5.422	ug/l #	50
38) Carbon Tetrachloride	8.230	117	34874	6.943	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	2164	0.602	ug/l #	1
67) Ethyl Benzene	11.971	91	3342	0.203	ug/l #	84
68) m/p-Xylenes	12.071	106	2600	0.399	ug/l	92
71) Bromoform	12.853	173	1886	0.718	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	100107	24.742	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100107	89.059	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	741	0.224	ug/l #	83
95) Naphthalene	15.647	128	3203	2.458	ug/l #	81

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

Quant Time: Dec 15 00:29:04 2022
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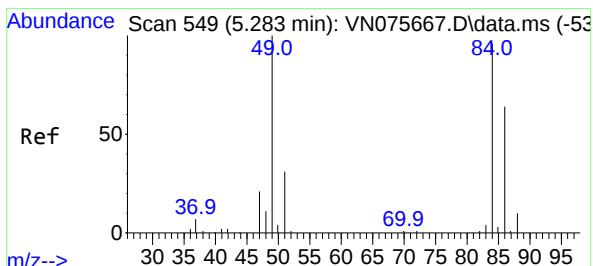
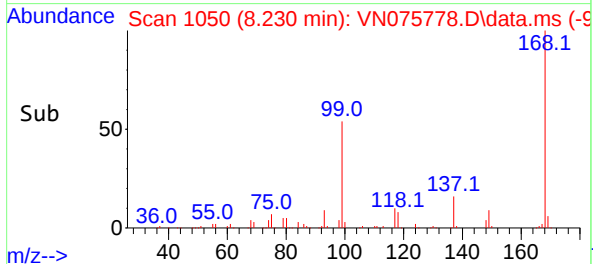
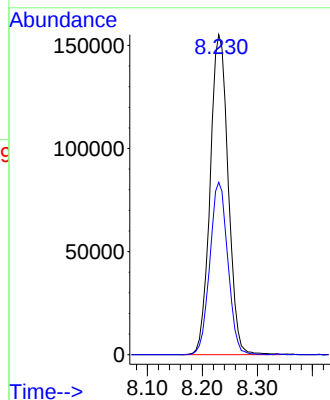
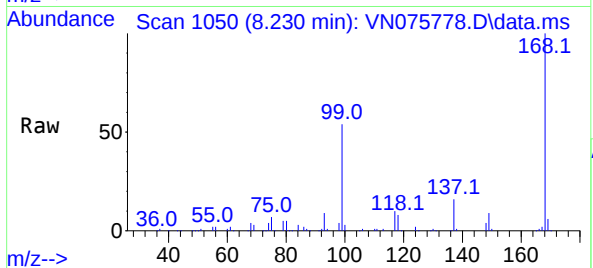




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

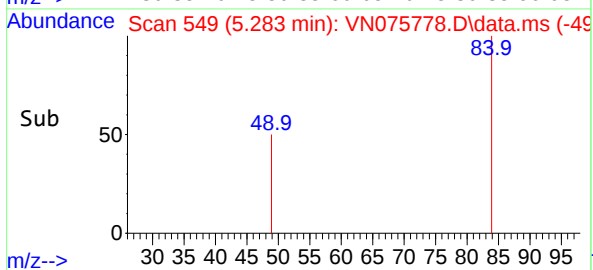
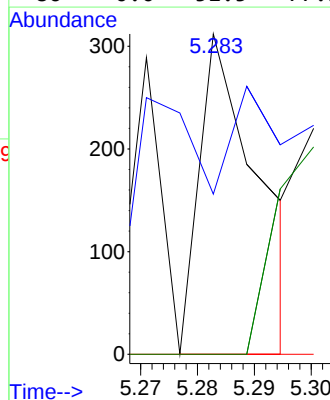
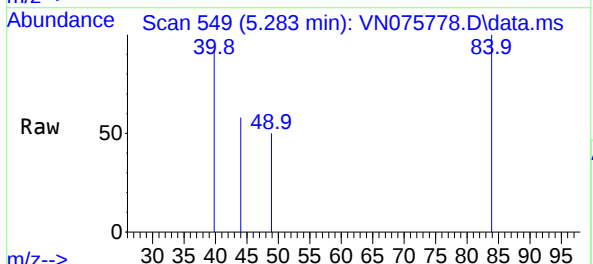
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

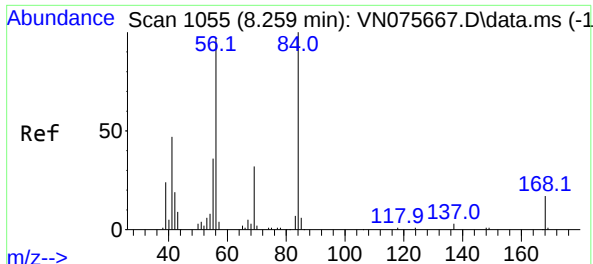
Tgt Ion:168 Resp: 353864
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

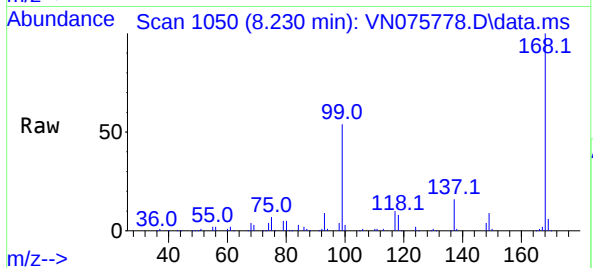
Tgt Ion: 84 Resp: 228
Ion Ratio Lower Upper
84 100
49 0.0 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#



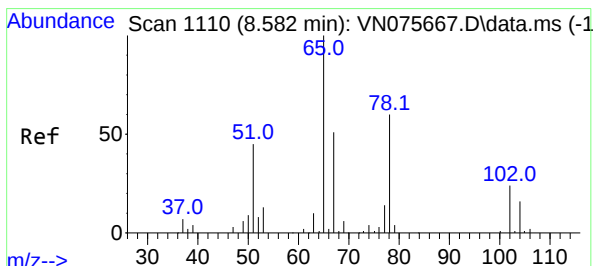
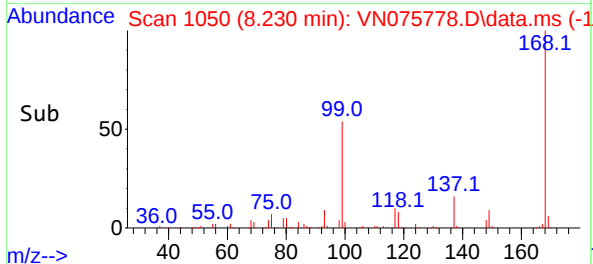
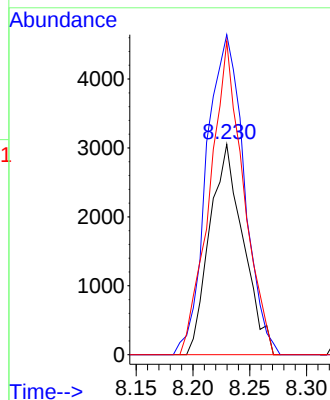


#31
Cyclohexane
Concen: 1.139 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

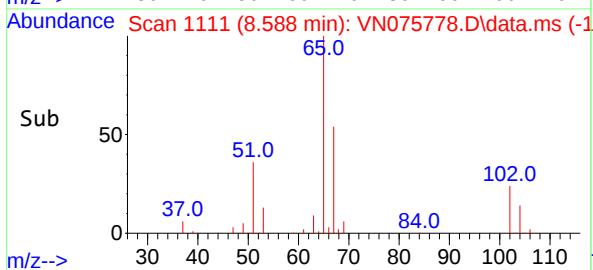
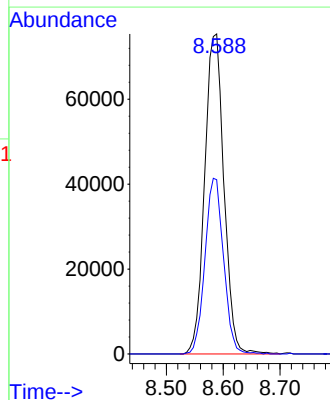
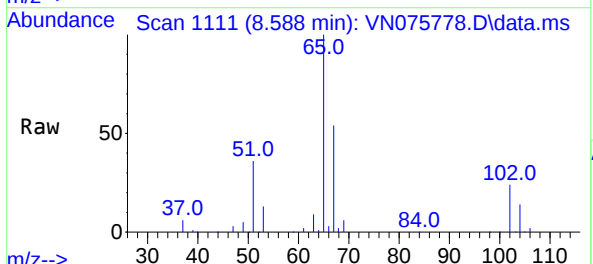


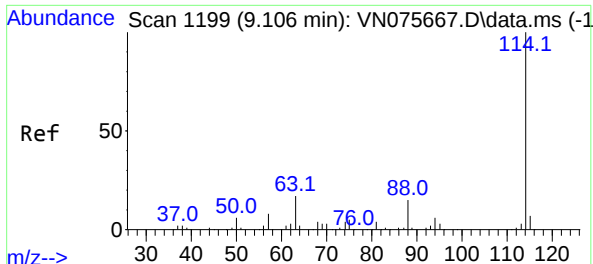
Tgt Ion: 56 Resp: 6282
Ion Ratio Lower Upper
56 100
69 152.1 24.7 37.1#
84 149.0 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 46.052 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion: 65 Resp: 177288
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

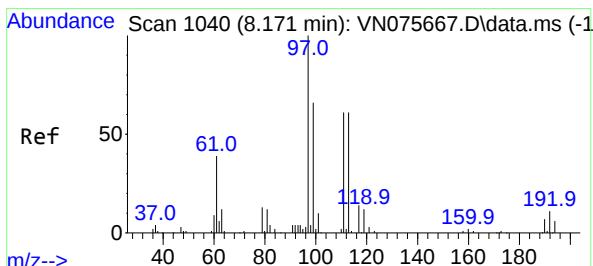
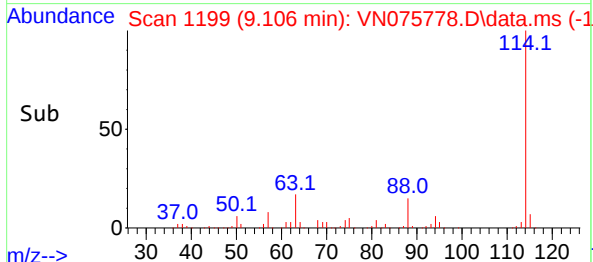
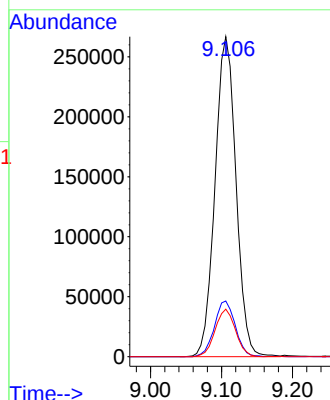
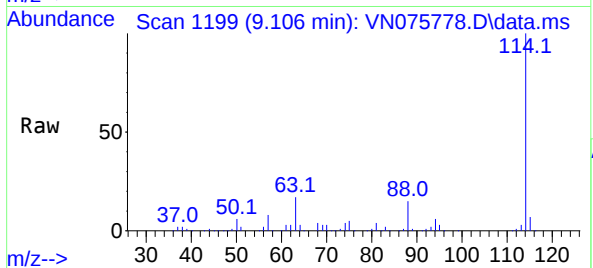




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

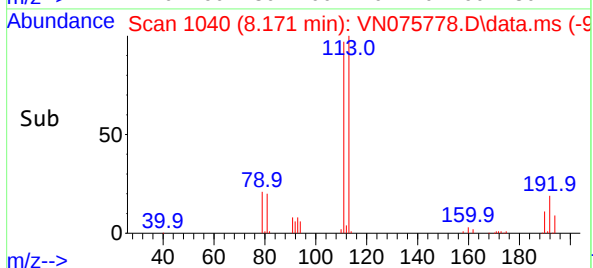
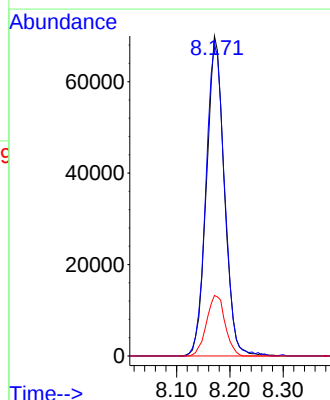
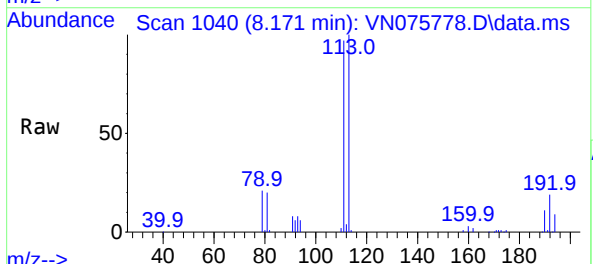
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

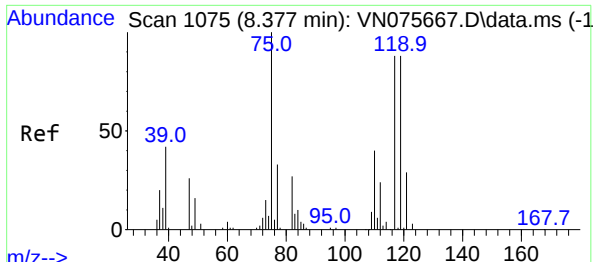
Tgt Ion:114 Resp: 545503
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.9 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.145 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion:113 Resp: 162645
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 19.7 16.1 24.1

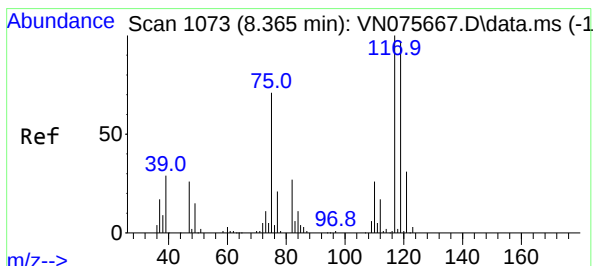
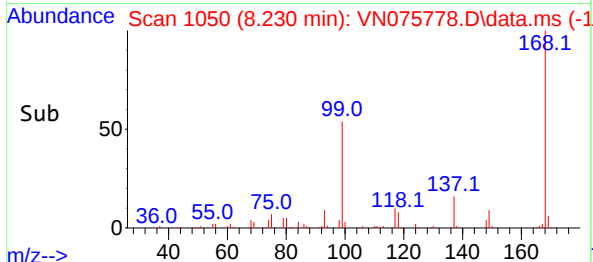
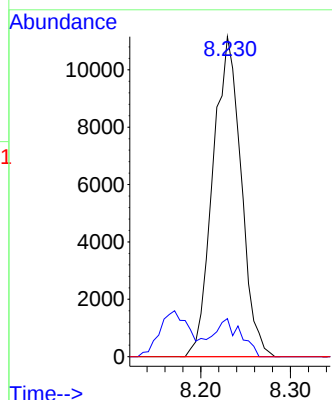
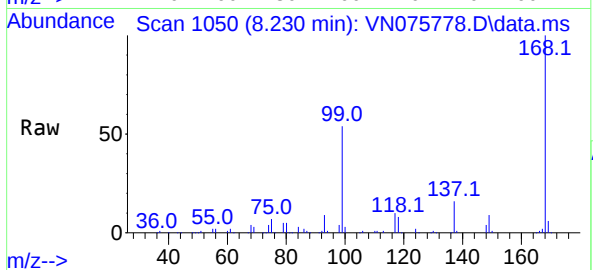




#36
1,1-Dichloropropene
Concen: 5.422 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

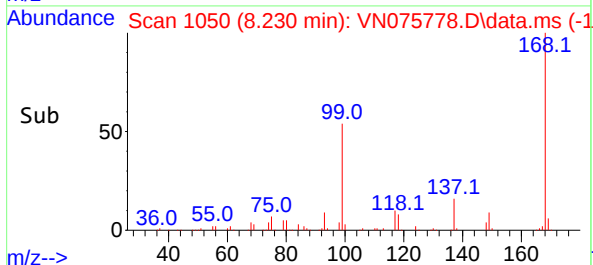
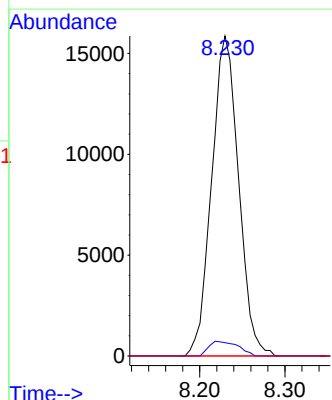
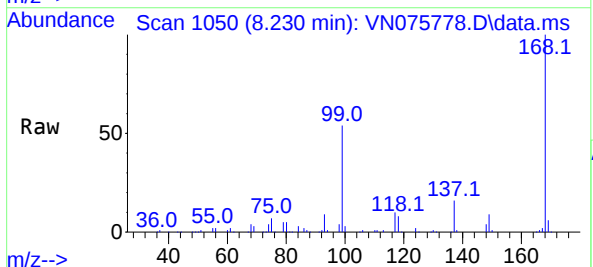
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

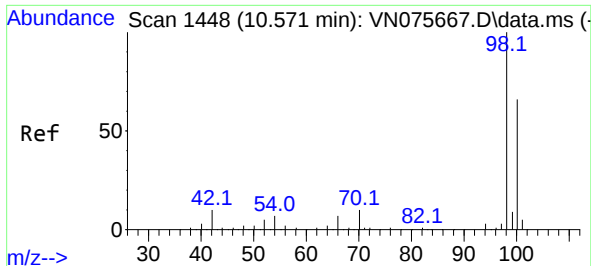
Tgt Ion: 75 Resp: 24332
Ion Ratio Lower Upper
75 100
110 10.7 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.943 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion: 117 Resp: 34874
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.5 36.7#

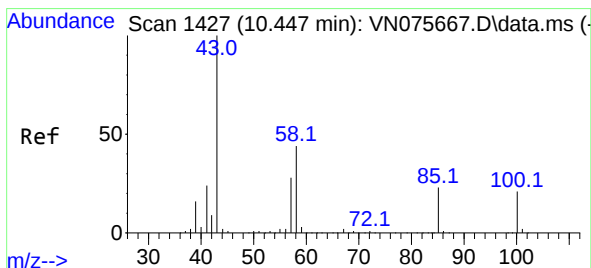
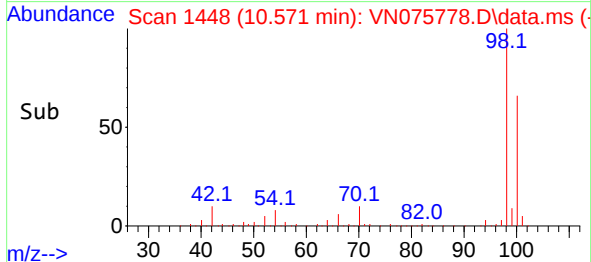
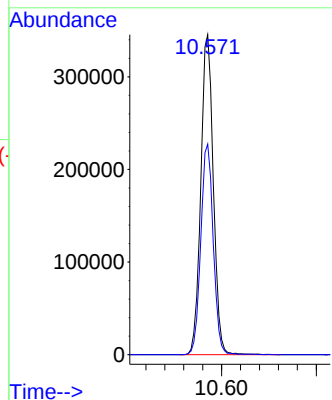
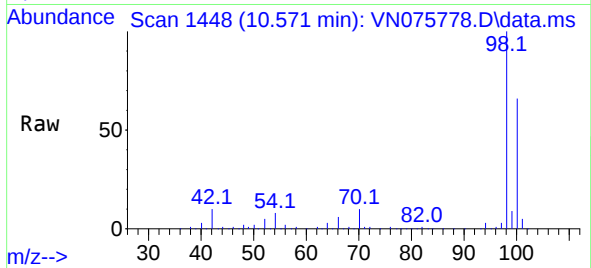




#50
Toluene-d8
Concen: 49.964 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

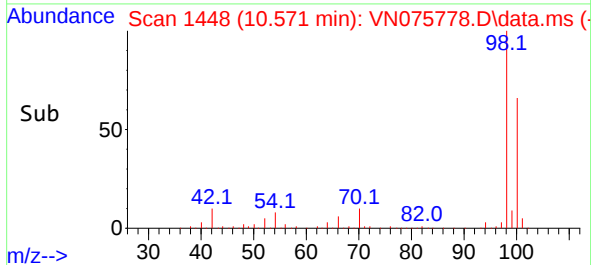
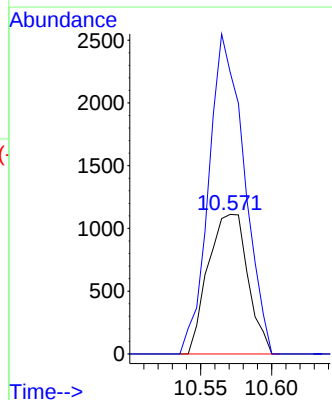
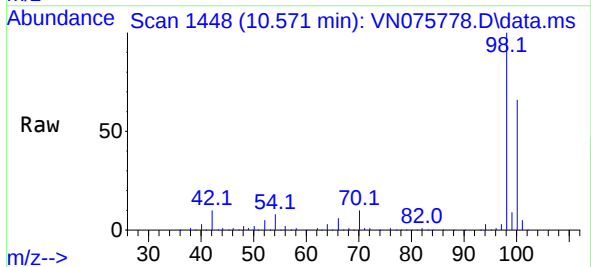
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

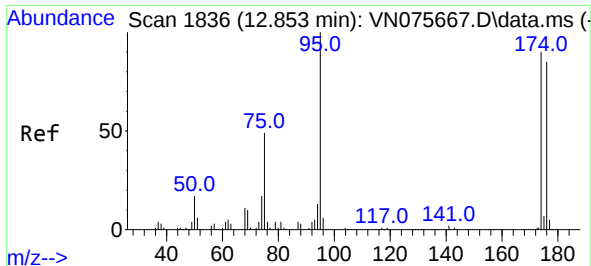
Tgt Ion: 98 Resp: 631083
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.602 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion: 43 Resp: 2164
Ion Ratio Lower Upper
43 100
58 204.4 35.5 53.3#

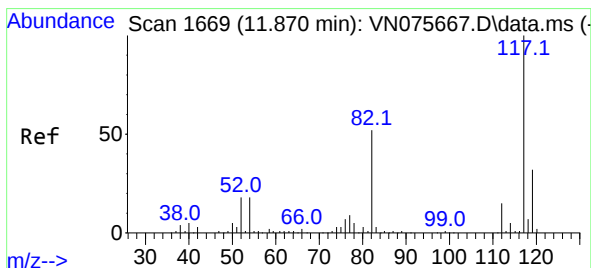
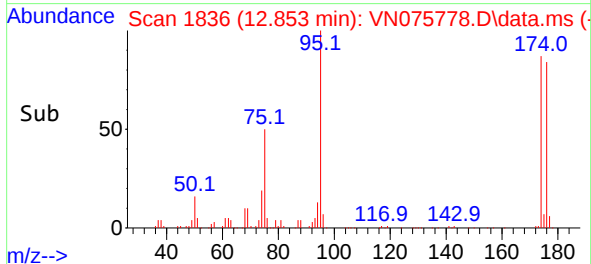
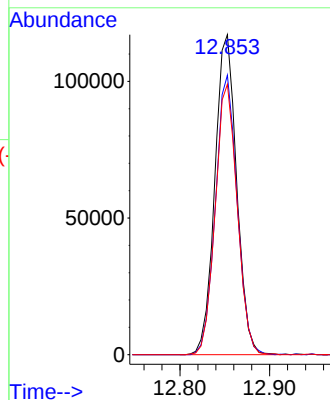
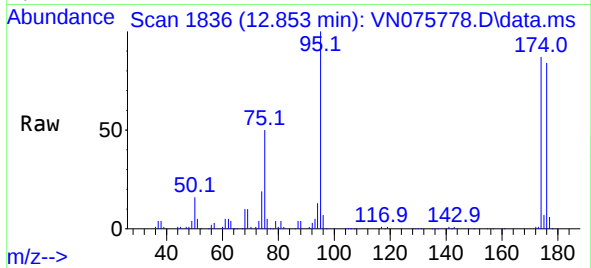




#62
4-Bromofluorobenzene
Concen: 47.143 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

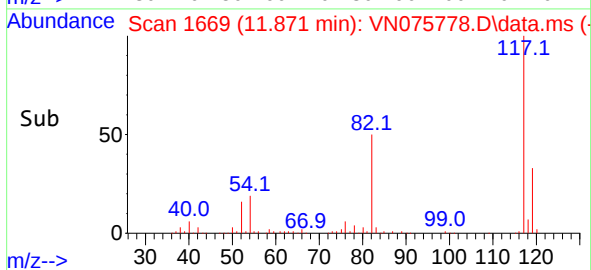
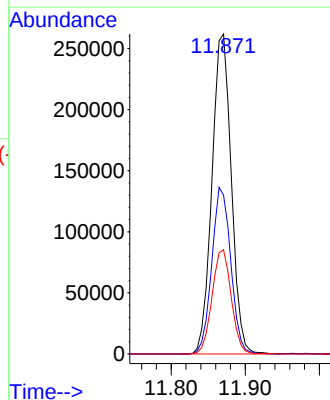
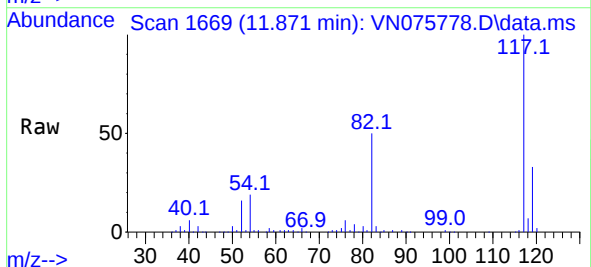
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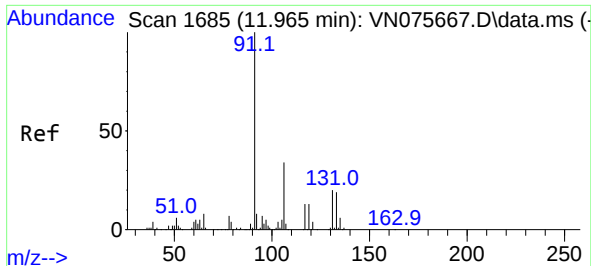
Tgt Ion: 95 Resp: 197220
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 84.9 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion: 117 Resp: 474698
Ion Ratio Lower Upper
117 100
82 49.6 41.3 61.9
119 32.6 24.6 37.0





#67

Ethyl Benzene

Concen: 0.203 ug/l

RT: 11.971 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075778.D

Acq: 14 Dec 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

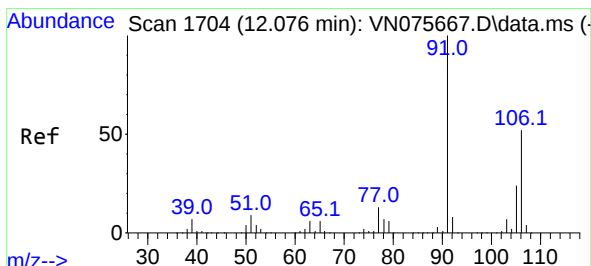
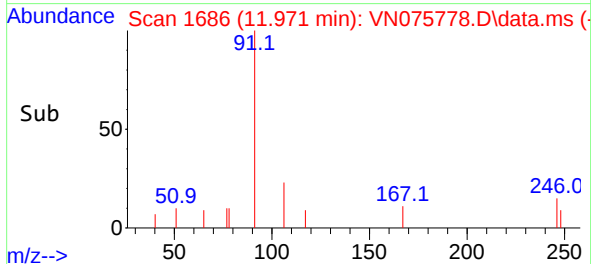
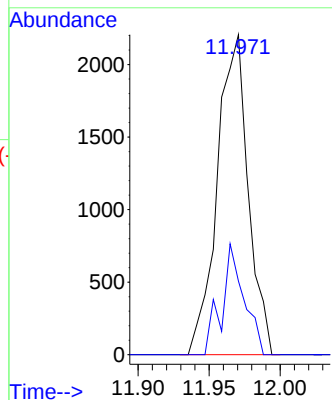
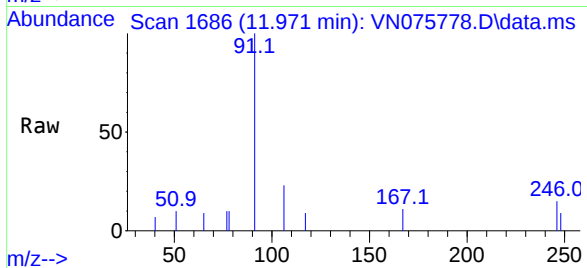
TB-2022-12-12

Tgt Ion: 91 Resp: 3342

Ion Ratio Lower Upper

91 100

106 23.0 25.7 38.5#



#68

m/p-Xylenes

Concen: 0.399 ug/l

RT: 12.071 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VN075778.D

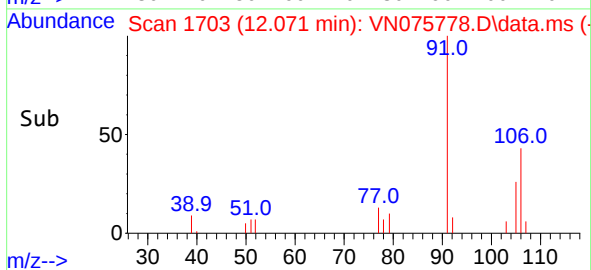
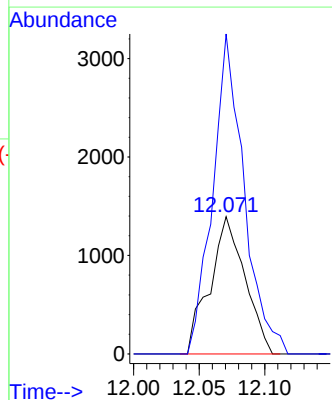
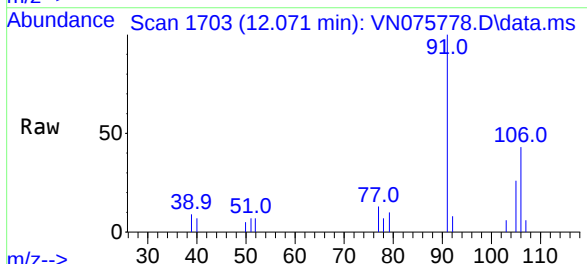
Acq: 14 Dec 2022 18:27

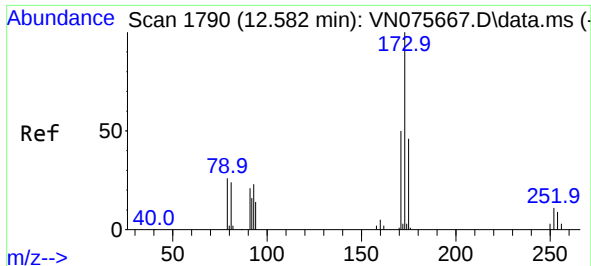
Tgt Ion: 106 Resp: 2600

Ion Ratio Lower Upper

106 100

91 207.5 156.6 235.0

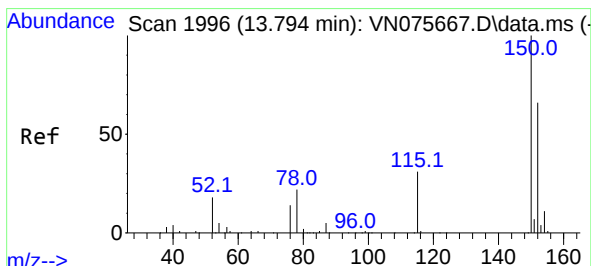
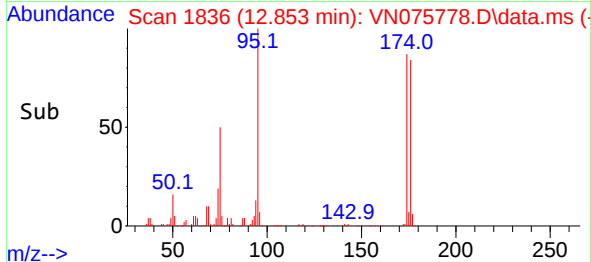
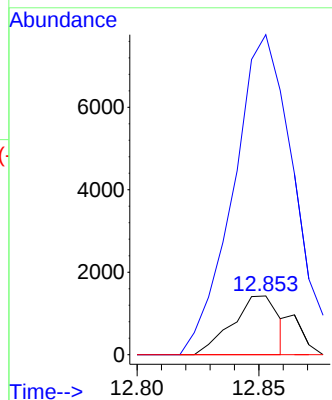
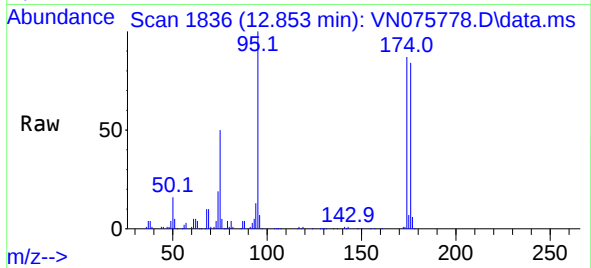




#71
Bromoform
Concen: 0.718 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

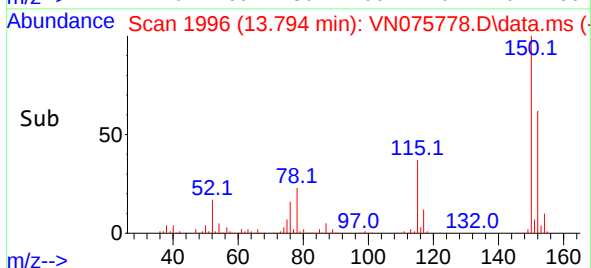
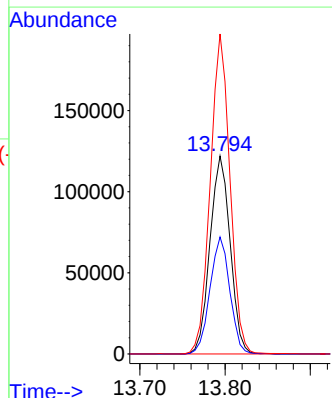
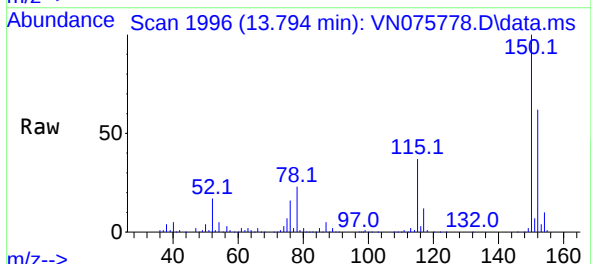
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

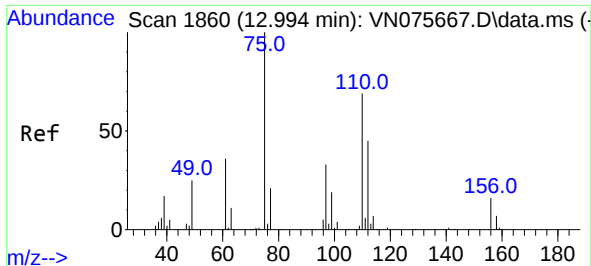
Tgt Ion:173 Resp: 1886
Ion Ratio Lower Upper
173 100
175 569.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion:152 Resp: 200720
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 157.5 0.0 347.0

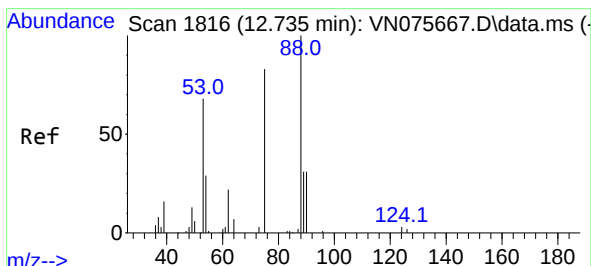
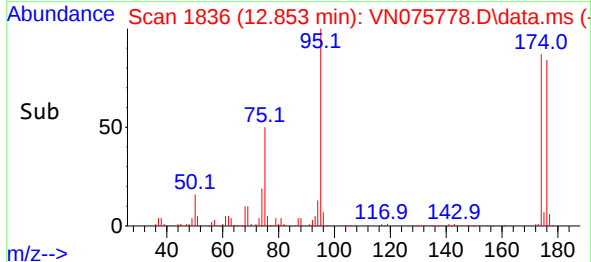
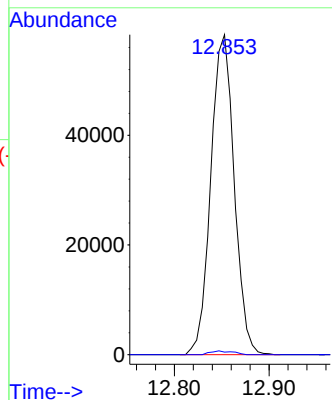
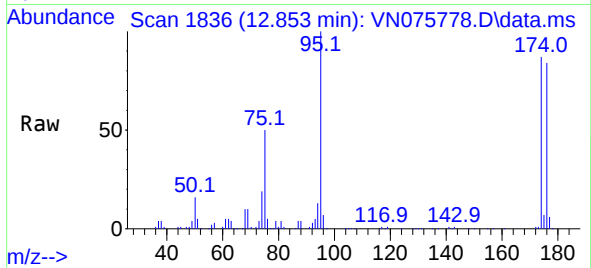




#76
1,2,3-Trichloropropane
Concen: 24.742 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

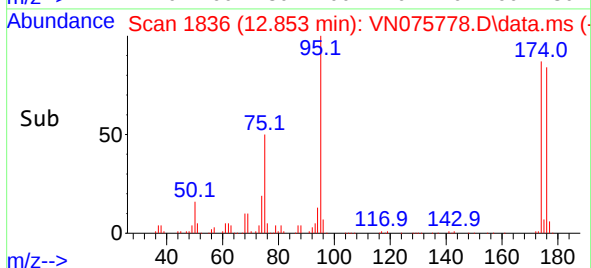
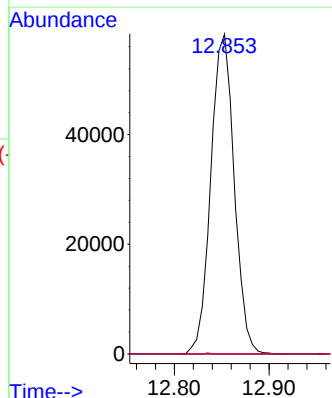
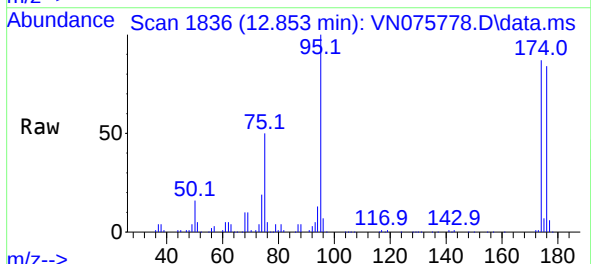
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

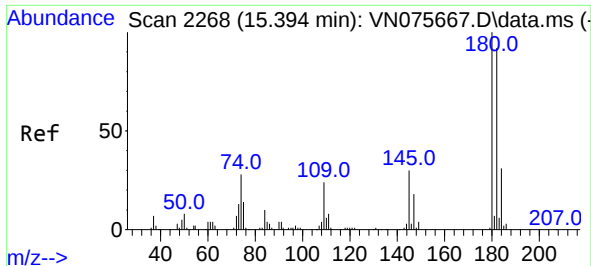
Tgt Ion: 75 Resp: 100107
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.059 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion: 75 Resp: 100107
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#

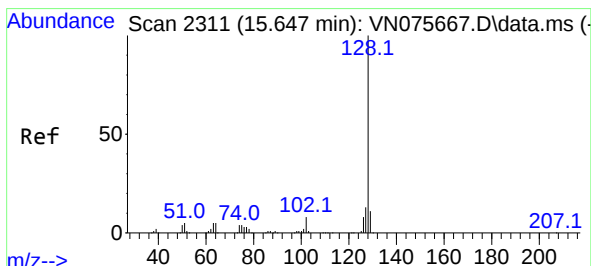
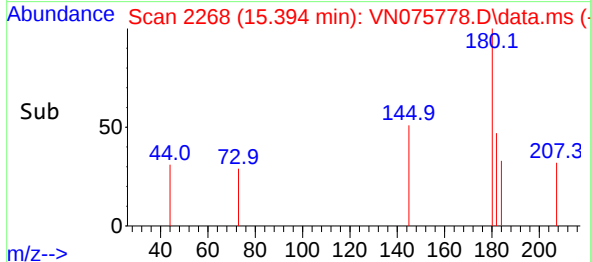
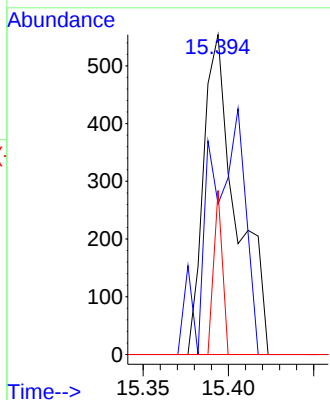
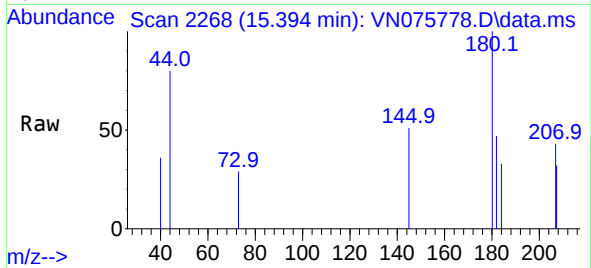




#93
1,2,4-Trichlorobenzene
Concen: 0.224 ug/l
RT: 15.394 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

Tgt Ion:180 Resp: 741
Ion Ratio Lower Upper
180 100
182 82.3 47.5 142.5
145 13.5 15.3 45.8#



#95
Naphthalene
Concen: 2.458 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075778.D
Acq: 14 Dec 2022 18:27

Tgt Ion:128 Resp: 3203
Ion Ratio Lower Upper
128 100
127 3.8 10.4 15.6#
129 5.4 8.7 13.1#

