

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075789.D
 Acq On : 15 Dec 2022 00:52
 Operator : JC\MD
 Sample : N5990-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB120922

Quant Time: Dec 15 03:16:10 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)

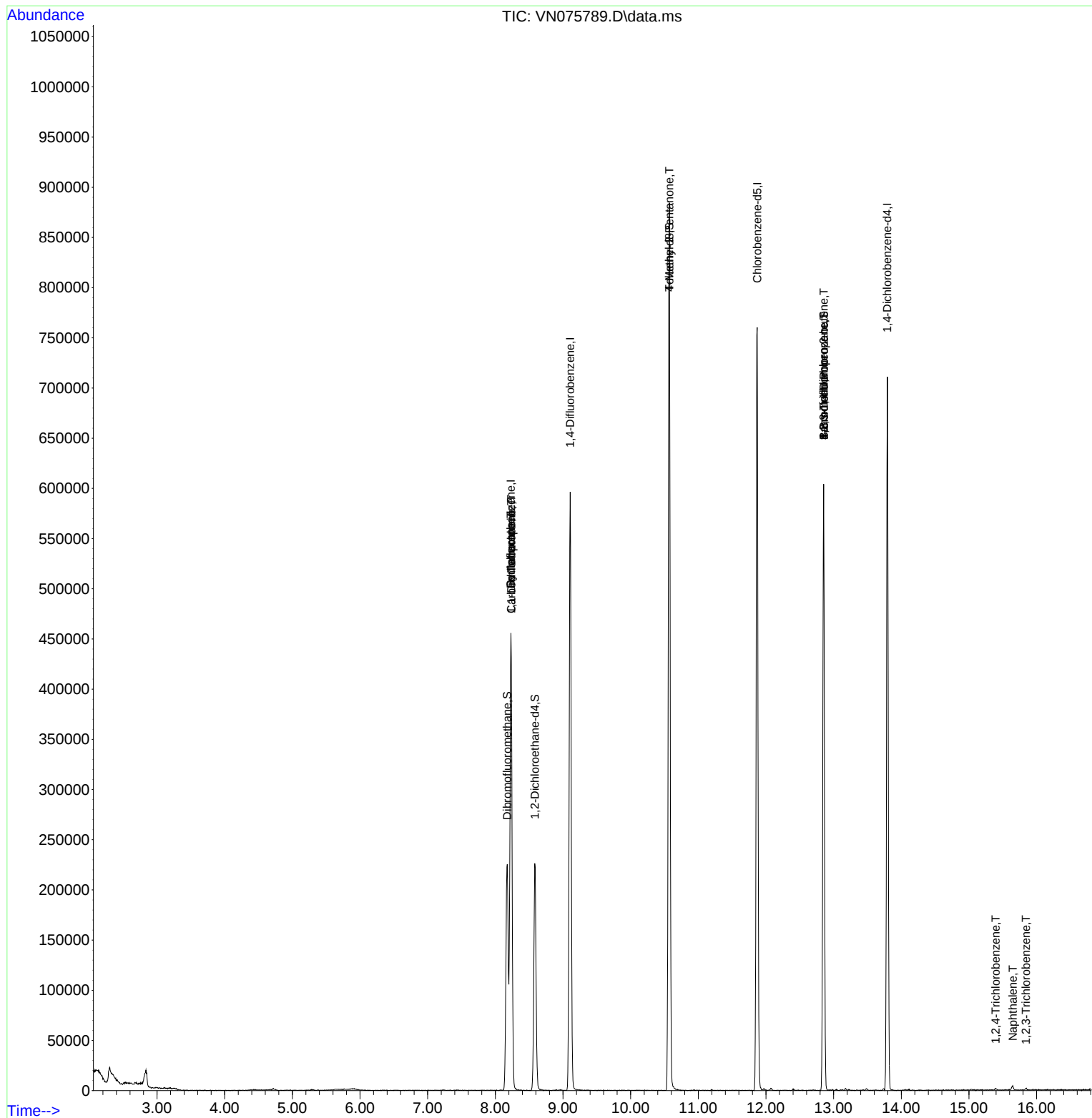
Internal Standards						
1) Pentafluorobenzene	8.230	168	353616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	552802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	481048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	183427	47.680	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.360%
35) Dibromofluoromethane	8.177	113	164575	48.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	10.571	98	639000	49.923	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.840%
62) 4-Bromofluorobenzene	12.853	95	197459	46.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.160%
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.289	84	324	Below Cal	#	84
31) Cyclohexane	8.230	56	6629	1.203	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	25163	5.533	ug/l #	50
38) Carbon Tetrachloride	8.236	117	34155	6.710	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	2339	0.642	ug/l #	1
71) Bromoform	12.853	173	1610	0.605	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	99014	24.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99014	88.157	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	780	0.236	ug/l #	89
95) Naphthalene	15.647	128	4924	2.609	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	699	0.226	ug/l #	79

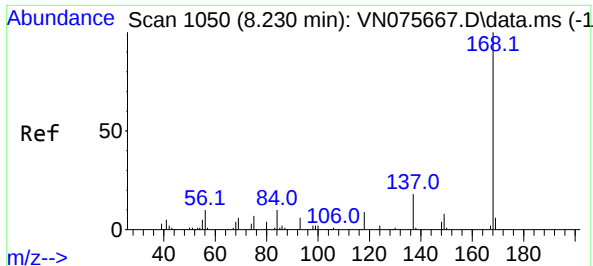
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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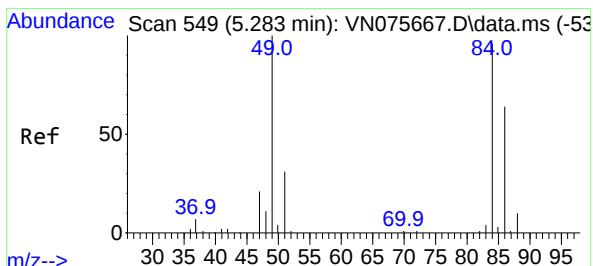
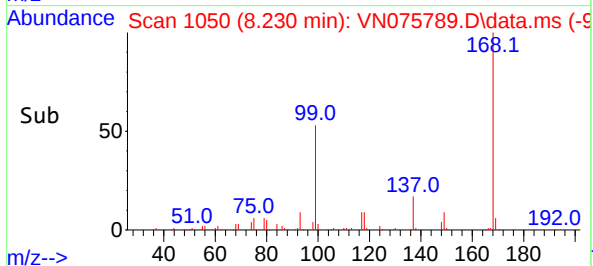
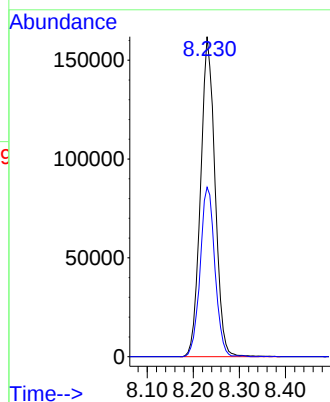
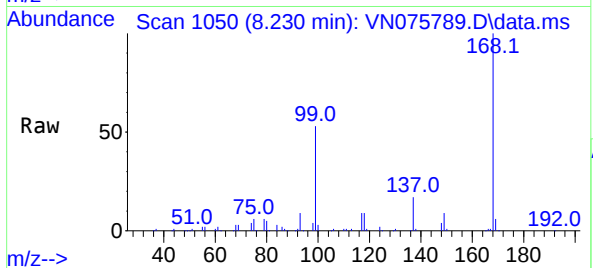




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

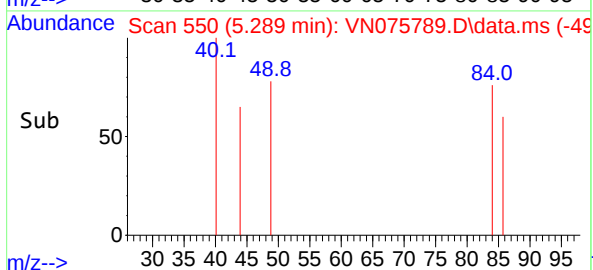
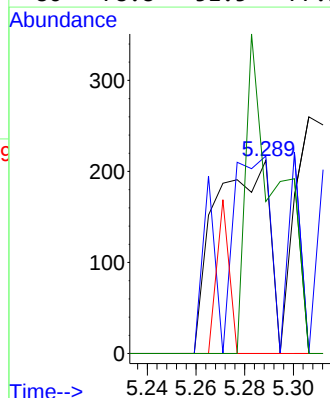
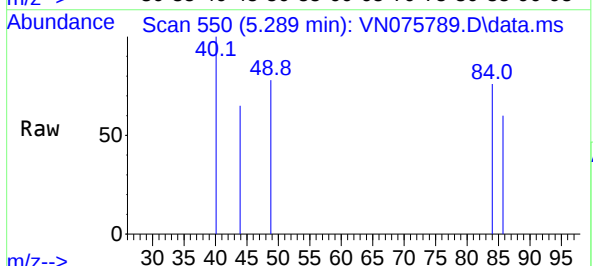
Instrument :
MSVOA_N
ClientSampleId :
TB120922

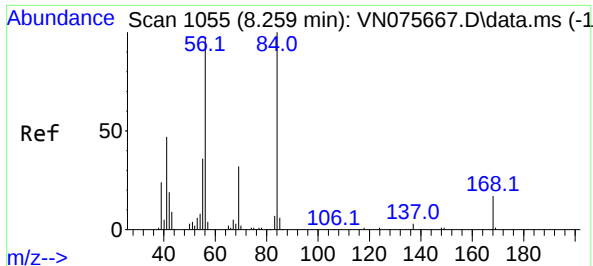
Tgt Ion:168 Resp: 353616
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

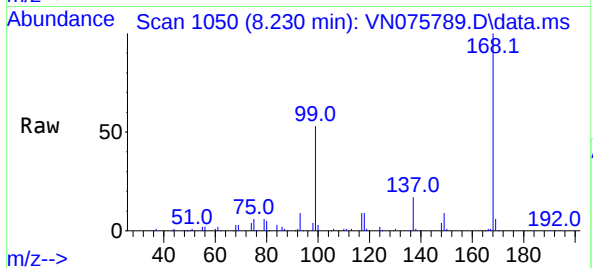
Tgt Ion: 84 Resp: 324
Ion Ratio Lower Upper
84 100
49 102.4 81.8 122.6
51 0.0 26.7 40.1#
86 78.8 51.5 77.3#



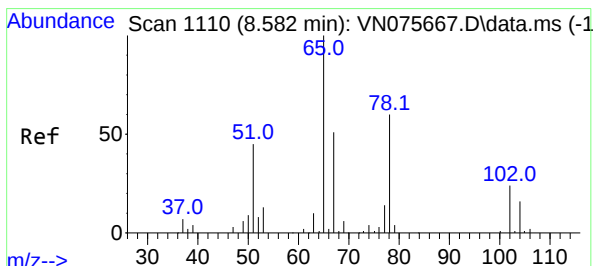
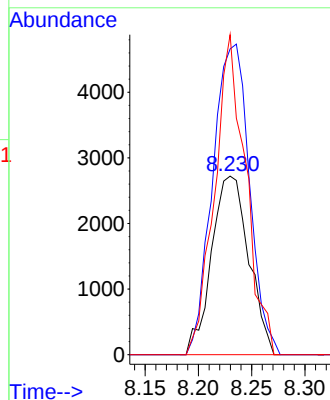
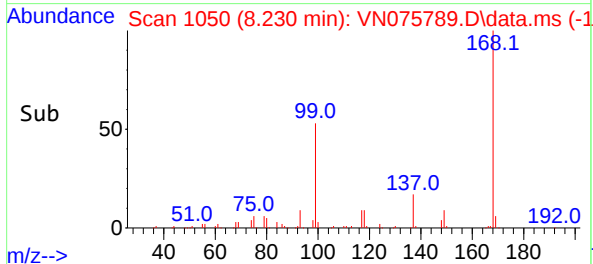


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

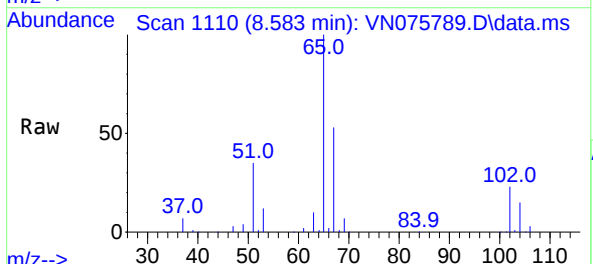
Instrument :
MSVOA_N
ClientSampleId :
TB120922



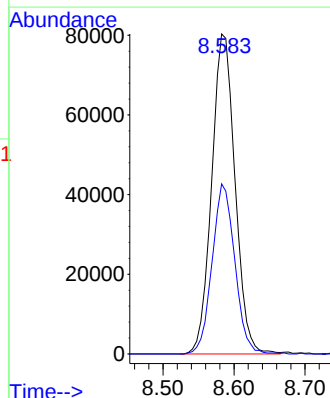
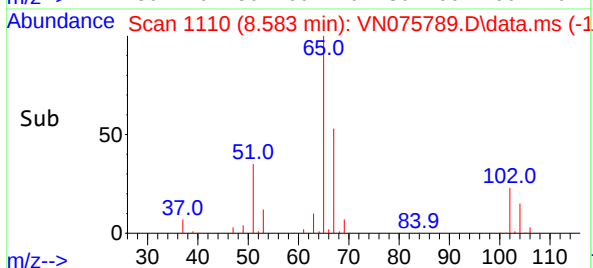
Tgt Ion: 56 Resp: 6629
Ion Ratio Lower Upper
56 100
69 171.2 24.7 37.1#
84 179.2 76.5 114.7#

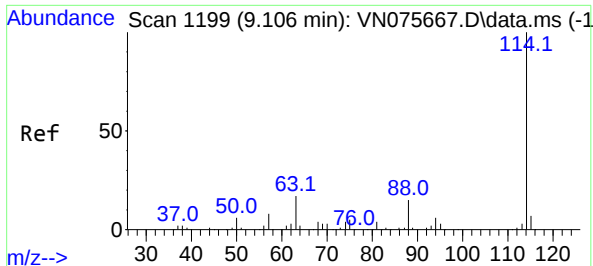


#33
1,2-Dichloroethane-d4
Concen: 47.680 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52



Tgt Ion: 65 Resp: 183427
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4

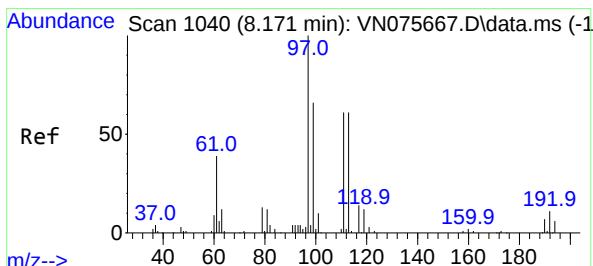
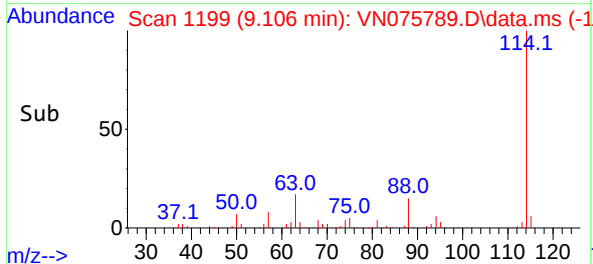
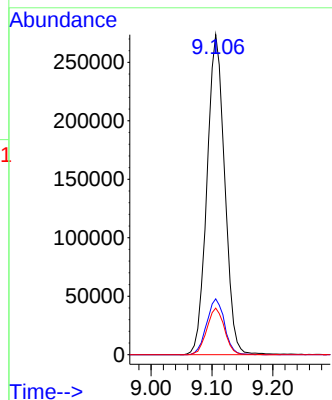
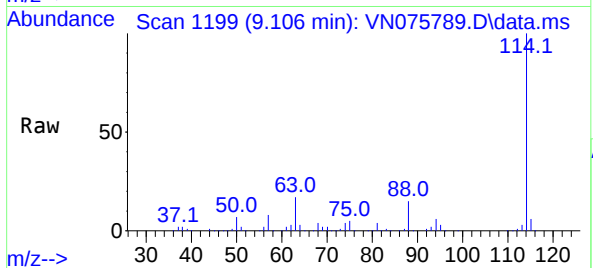




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

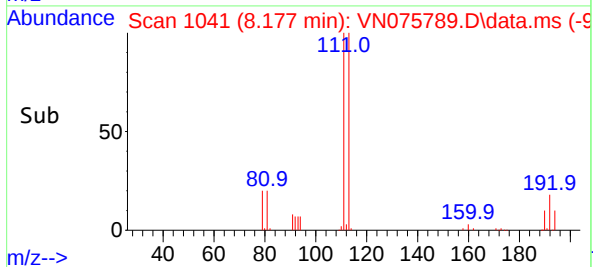
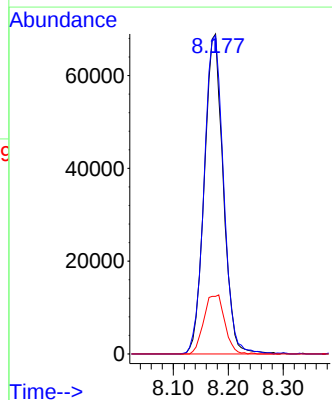
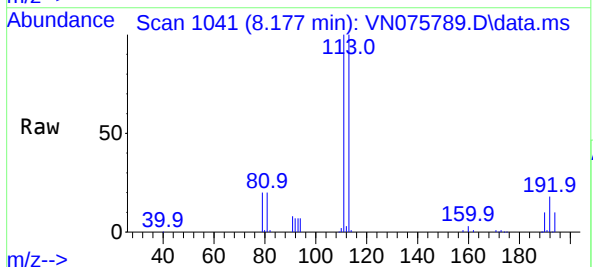
Instrument :
MSVOA_N
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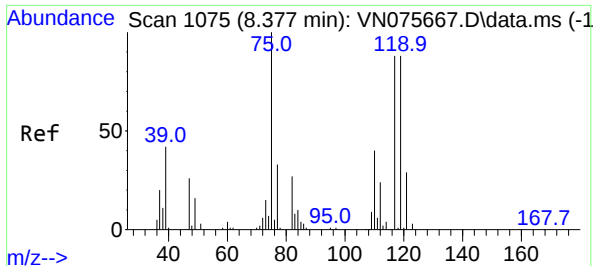
Tgt Ion:114 Resp: 552802
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.073 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

Tgt Ion:113 Resp: 164575
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.2
192 20.3 16.1 24.1

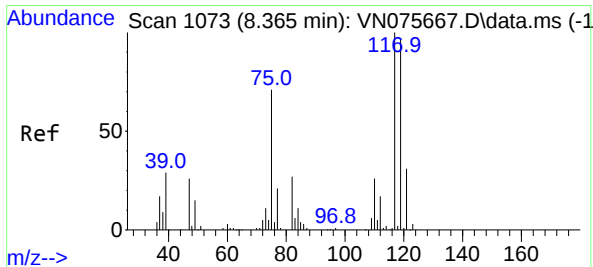
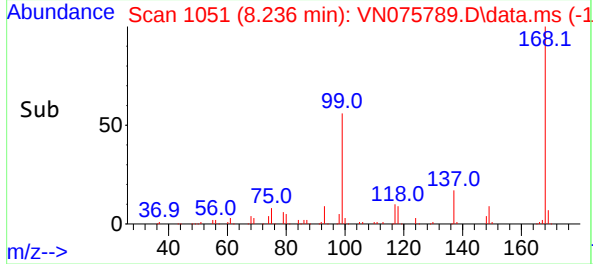
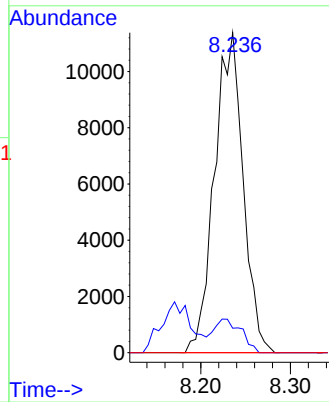
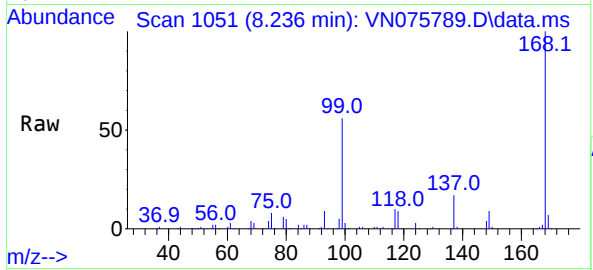




#36
1,1-Dichloropropene
Concen: 5.533 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

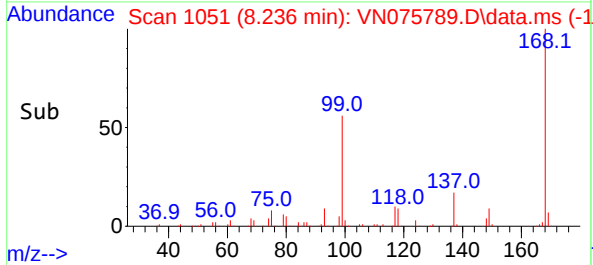
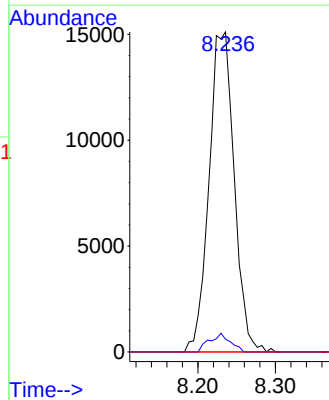
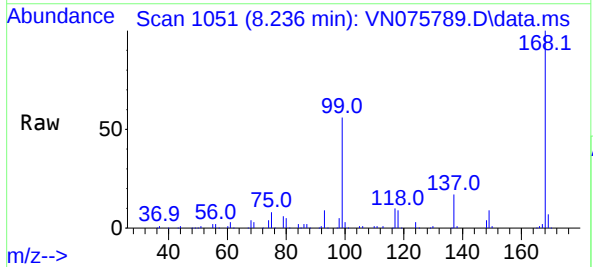
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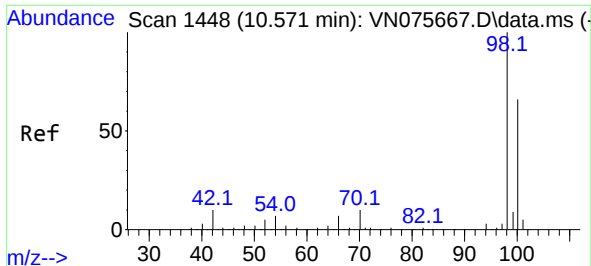
Tgt Ion: 75 Resp: 25163
Ion Ratio Lower Upper
75 100
110 10.1 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.710 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

Tgt Ion: 117 Resp: 34155
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.5 36.7#

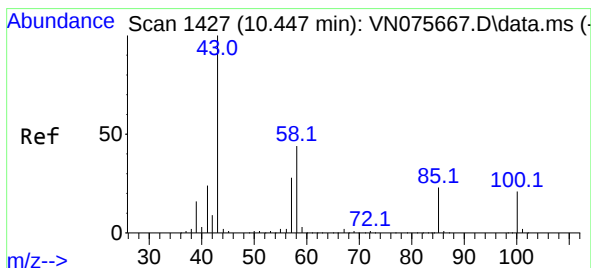
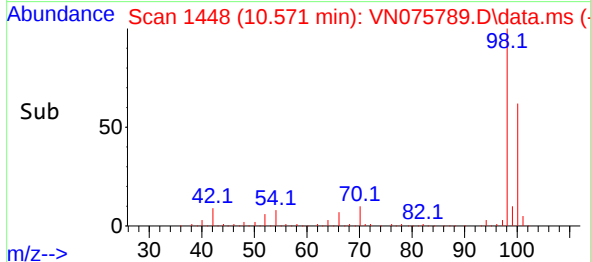
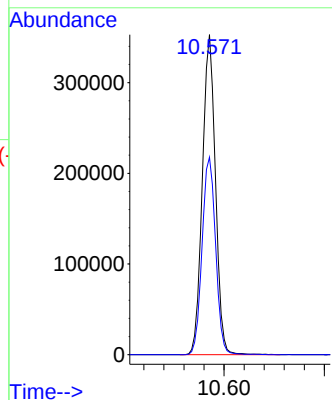
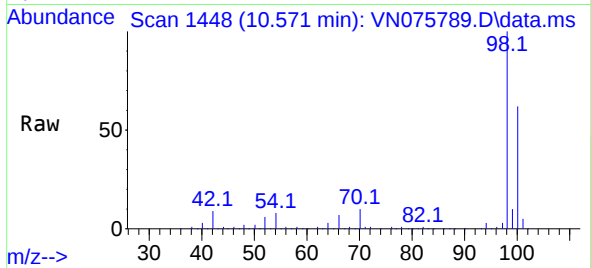




#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

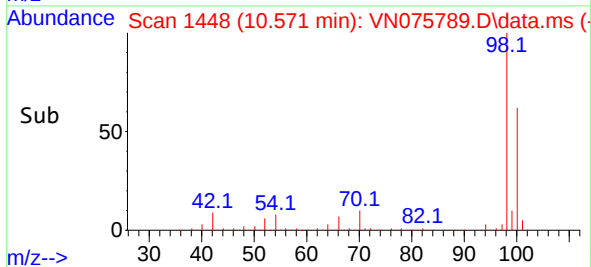
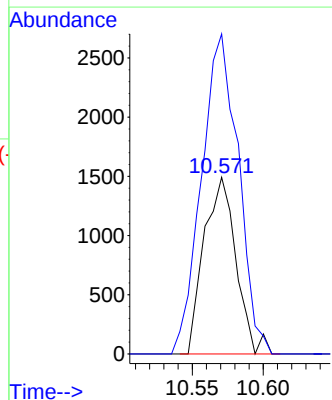
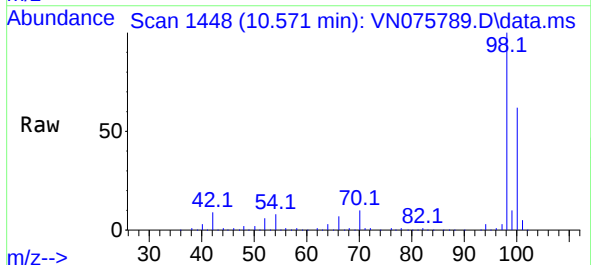
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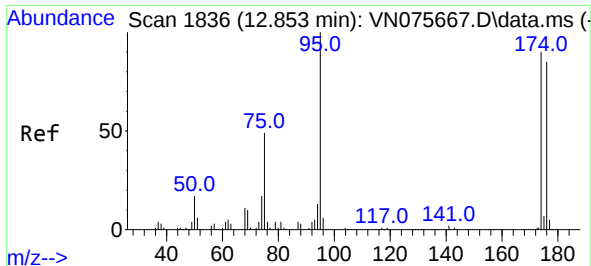
Tgt Ion: 98 Resp: 639000
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.642 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
58 208.8 35.5 53.3#

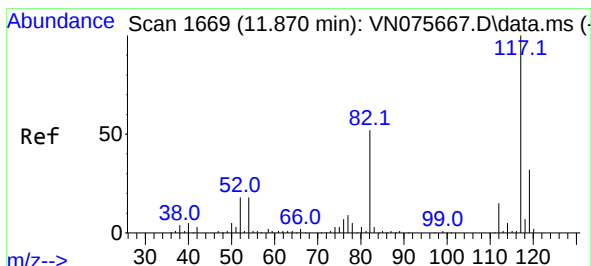
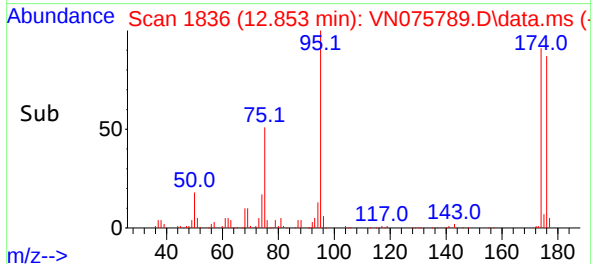
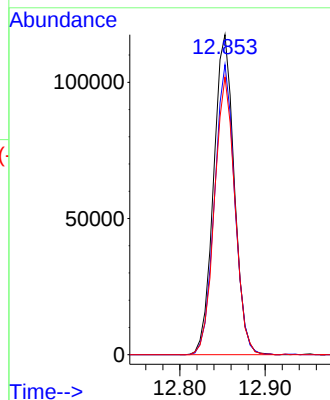
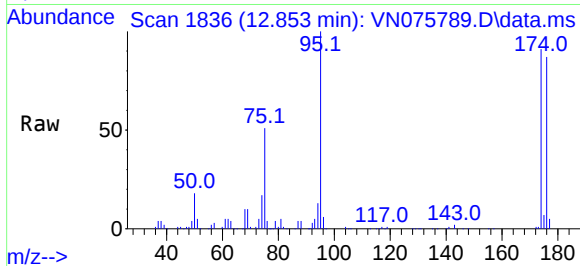




#62
4-Bromofluorobenzene
Concen: 46.577 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

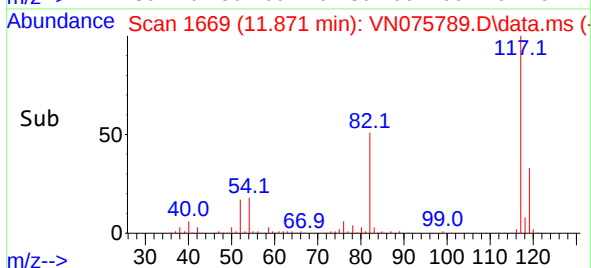
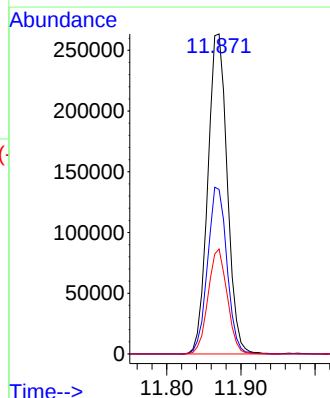
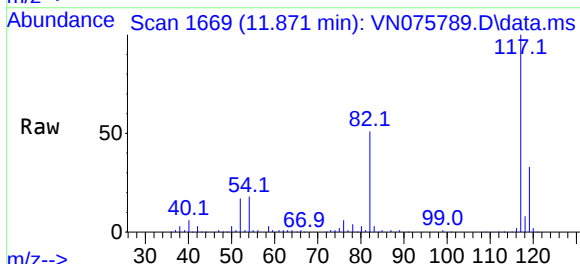
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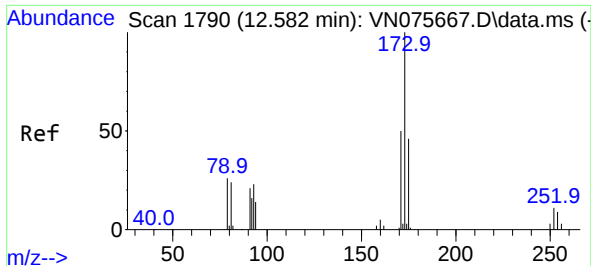
Tgt Ion: 95 Resp: 197459
Ion Ratio Lower Upper
95 100
174 88.5 0.0 171.6
176 85.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

Tgt Ion: 117 Resp: 481048
Ion Ratio Lower Upper
117 100
82 51.4 41.3 61.9
119 32.8 24.6 37.0

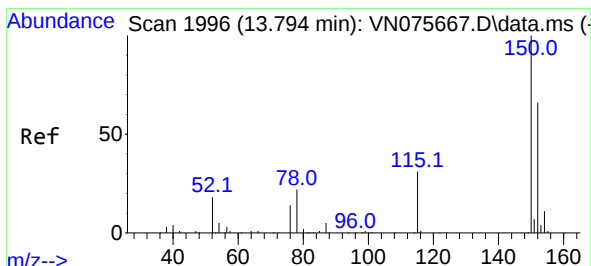
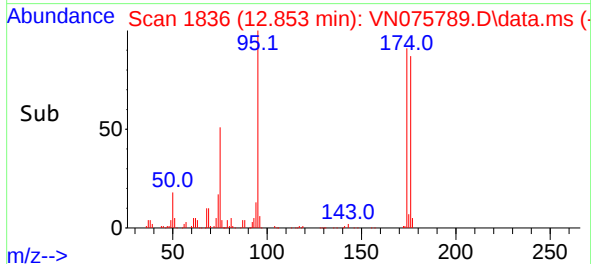
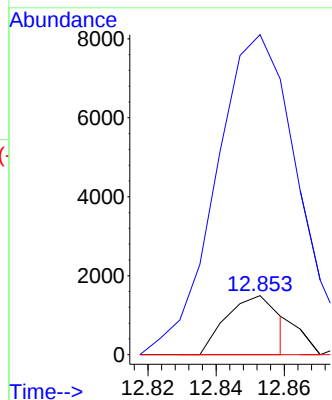
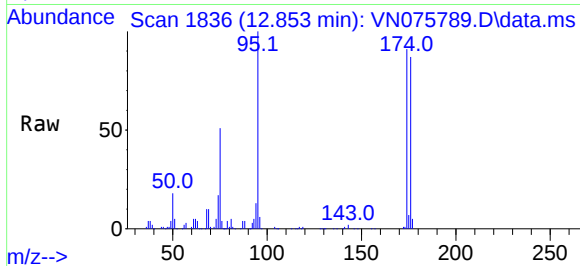




#71
Bromoform
Concen: 0.605 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

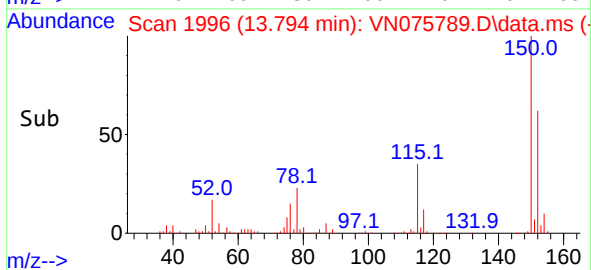
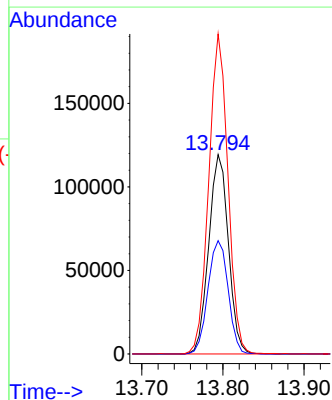
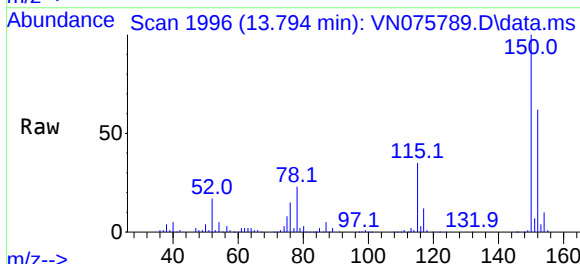
Instrument :
MSVOA_N
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TB120922

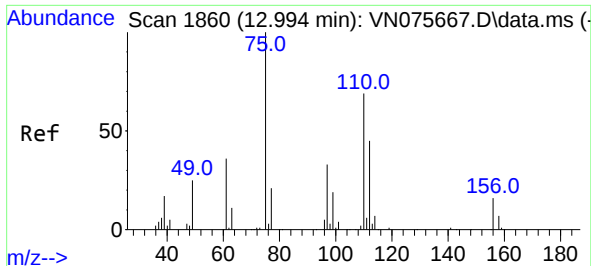
Tgt Ion:173 Resp: 1610
Ion Ratio Lower Upper
173 100
175 688.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

Tgt Ion:152 Resp: 200560
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.4
150 156.7 0.0 347.0

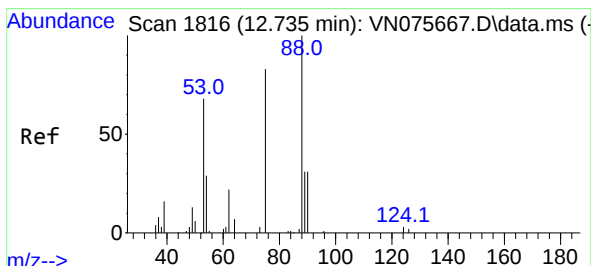
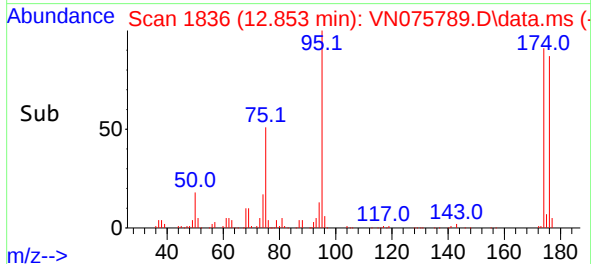
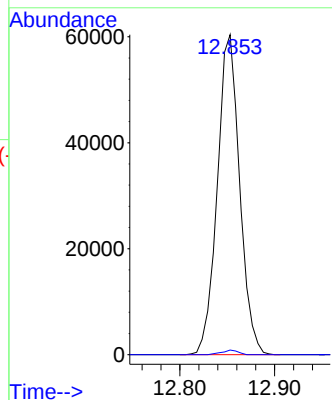
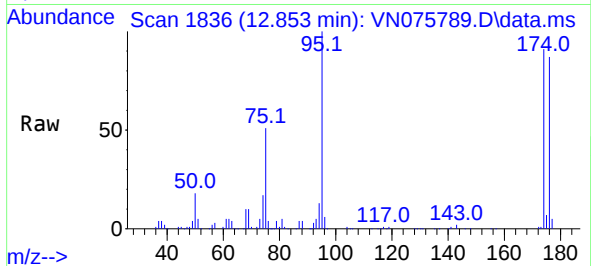




#76
1,2,3-Trichloropropane
Concen: 24.491 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

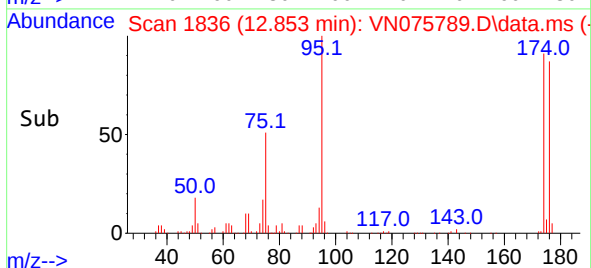
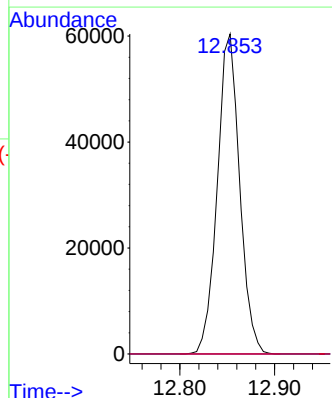
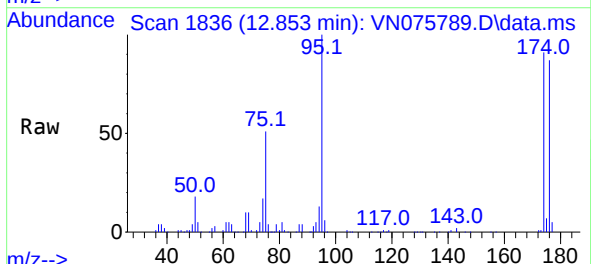
Instrument :
MSVOA_N
ClientSampleId :
TB120922

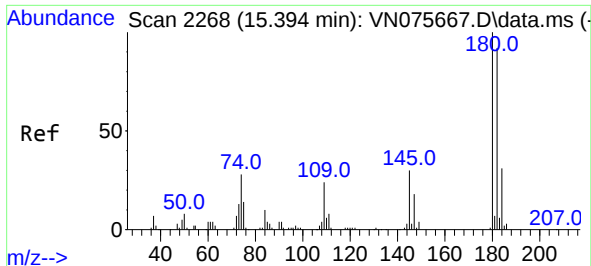
Tgt Ion: 75 Resp: 99014
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.157 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

Tgt Ion: 75 Resp: 99014
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

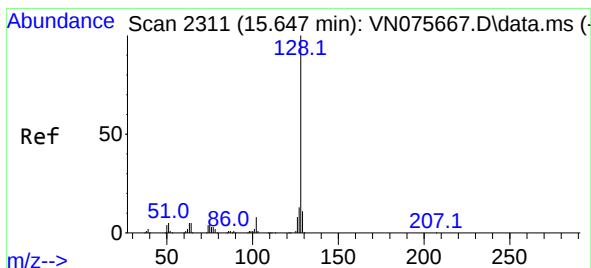
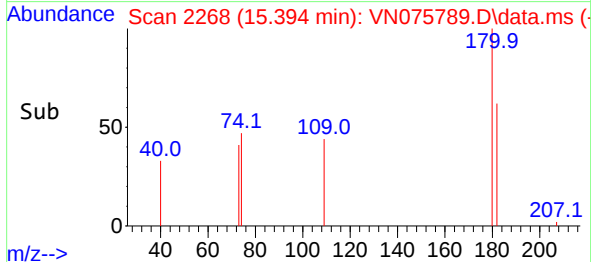
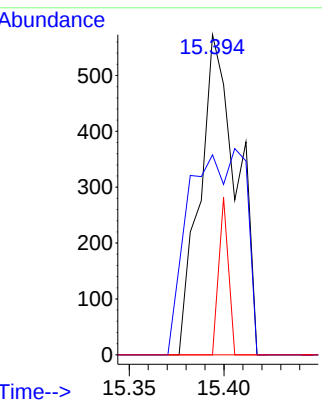
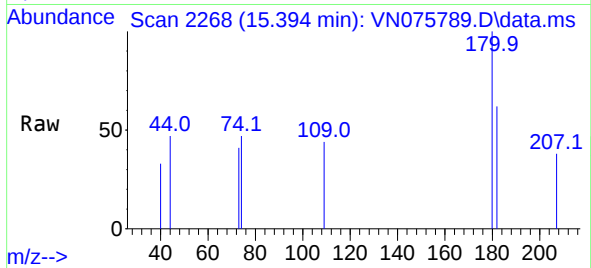




#93
1,2,4-Trichlorobenzene
Concen: 0.236 ug/l
RT: 15.394 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

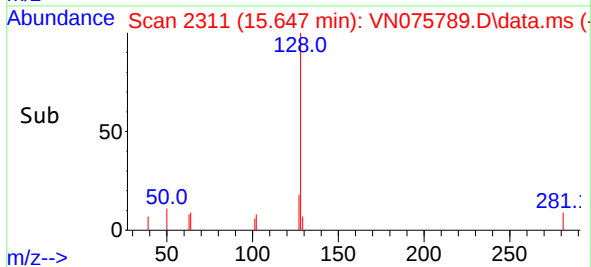
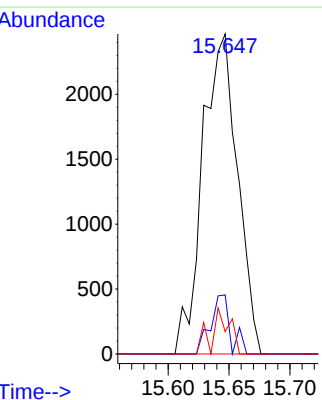
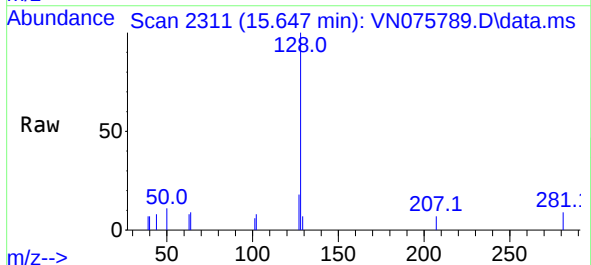
Instrument :
MSVOA_N
ClientSampleId :
TB120922

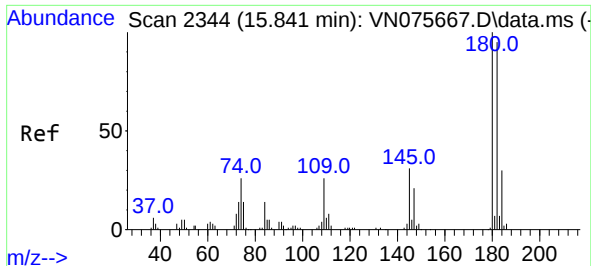
Tgt Ion:180 Resp: 780
Ion Ratio Lower Upper
180 100
182 98.5 47.5 142.5
145 12.7 15.3 45.8#



#95
Naphthalene
Concen: 2.609 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075789.D
Acq: 15 Dec 2022 00:52

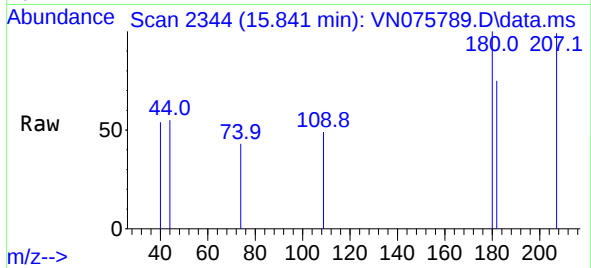
Tgt Ion:128 Resp: 4924
Ion Ratio Lower Upper
128 100
127 10.6 10.4 15.6
129 7.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.226 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN075789.D
 Acq: 15 Dec 2022 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 TB120922



Tgt Ion:180 Resp: 699
 Ion Ratio Lower Upper
 180 100
 182 102.0 47.0 141.0
 145 0.0 16.0 47.9#

