

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX023980.D
 Acq On : 27 Aug 2021 09:42
 Operator : JC/MD
 Sample : VX0827WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 28 04:52:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

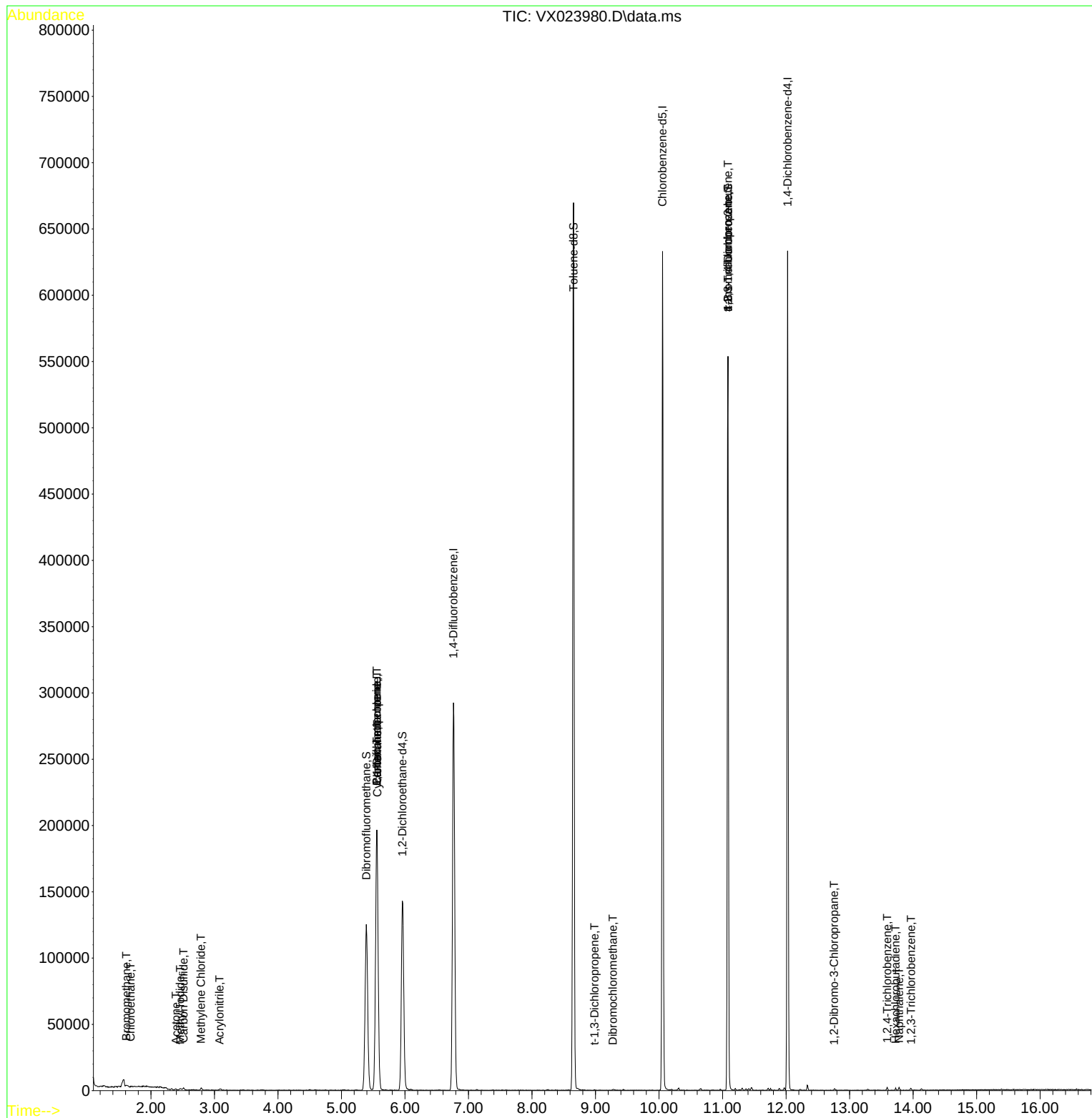
Internal Standards						
1) Pentafluorobenzene	5.556	168	179967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	291970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142916	56.899	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.800%			
35) Dibromofluoromethane	5.391	113	105760	54.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.460%			
50) Toluene-d8	8.653	98	378926	51.519	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.040%			
62) 4-Bromofluorobenzene	11.085	95	139846	51.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	936	0.732	ug/l	88
6) Chloroethane	1.679	64	177	2.317	ug/l #	43
10) Methyl Iodide	2.459	142	1408	0.560	ug/l #	87
15) Acrylonitrile	3.081	53	444	0.392	ug/l #	78
16) Acetone	2.392	43	674	0.600	ug/l #	75
17) Carbon Disulfide	2.514	76	2000	0.486	ug/l	98
20) Methylene Chloride	2.788	84	653	0.304	ug/l	94
31) Cyclohexane	5.562	56	4199	1.301	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	14393	5.323	ug/l #	50
38) Carbon Tetrachloride	5.556	117	18856	6.688	ug/l #	18
53) t-1,3-Dichloropropene	8.982	75	154	2.180	ug/l #	44
60) Dibromochloromethane	9.275	129	135	1.743	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	75836	25.989	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	75836	76.448	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.756	75	19	2.187	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	659	0.266	ug/l	78
94) Hexachlorobutadiene	13.725	225	265	0.240	ug/l	74
95) Naphthalene	13.780	128	1307	1.422	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.969	180	508	0.206	ug/l	86

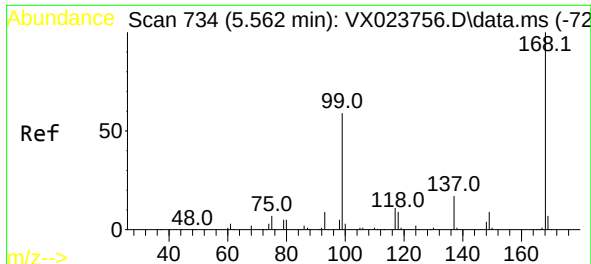
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Aug 28 04:52:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

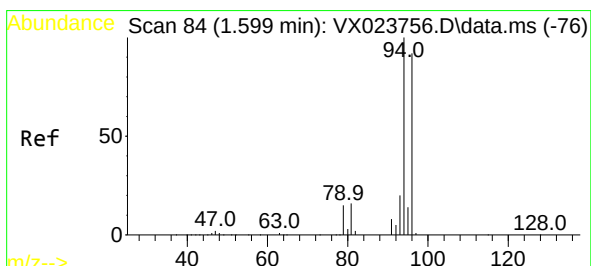
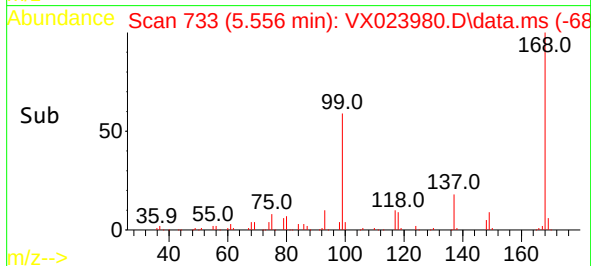
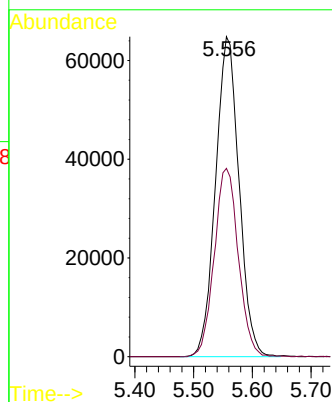
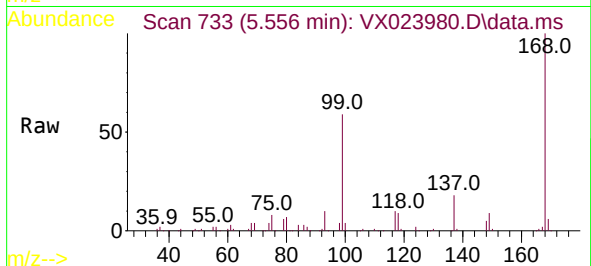




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

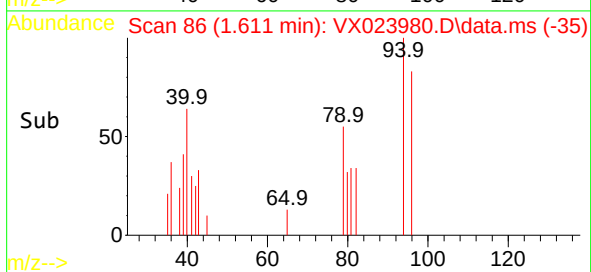
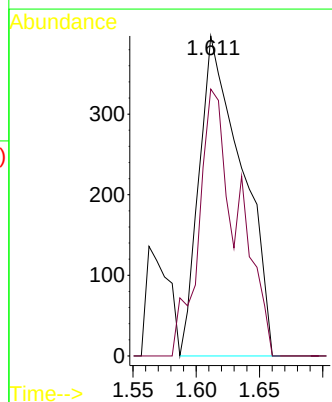
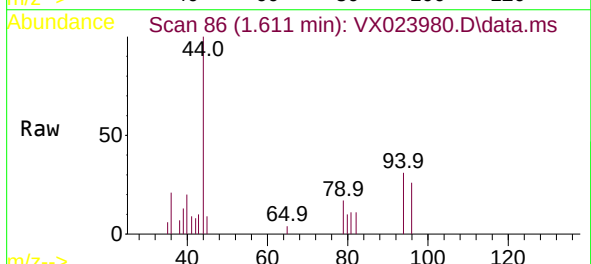
Instrument :
MSVOA_X
ClientSampleId :

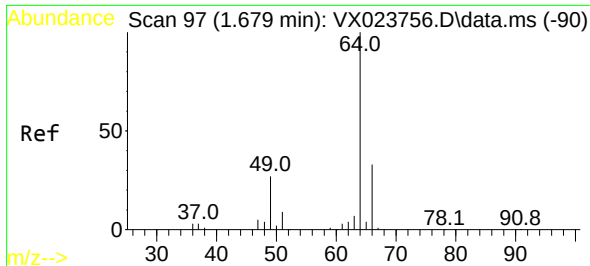
Tgt Ion:168 Resp: 179967
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#5
Bromomethane
Concen: 0.732 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion: 94 Resp: 936
Ion Ratio Lower Upper
94 100
96 83.4 76.4 114.6

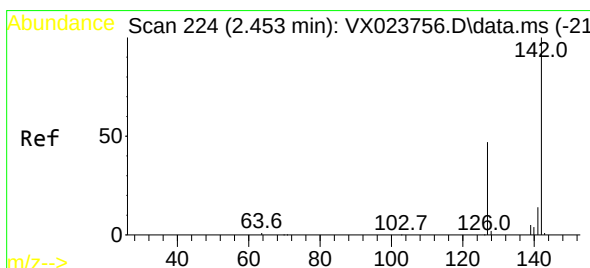
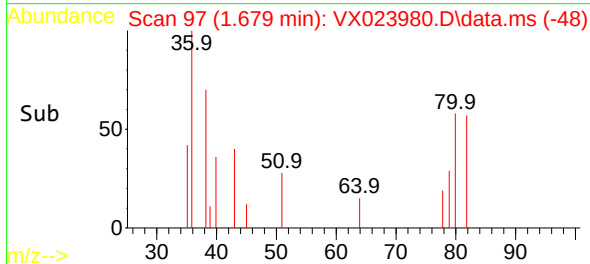
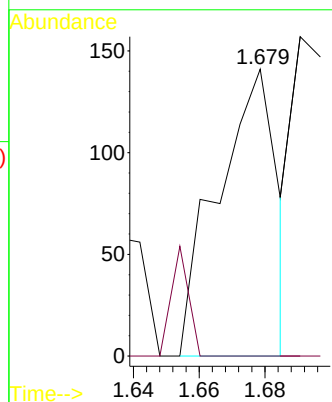
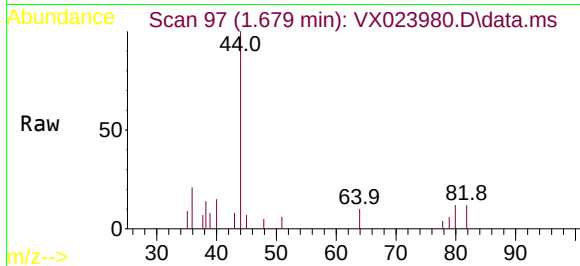




#6
Chloroethane
Concen: 2.317 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

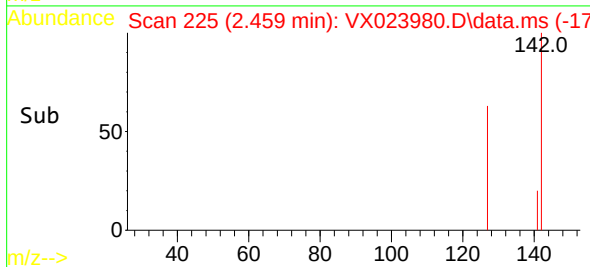
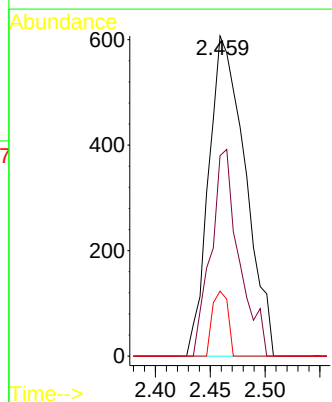
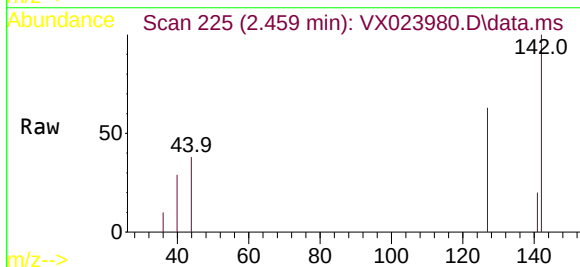
Instrument :
MSVOA_X
ClientSampled :

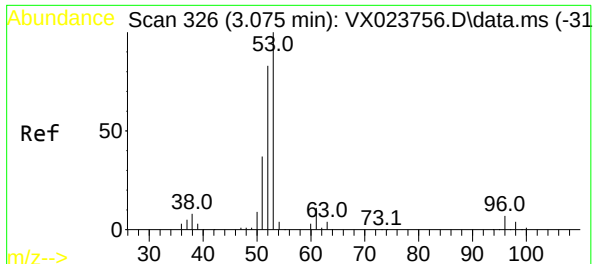
Tgt Ion: 64 Resp: 177
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.560 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion:142 Resp: 1408
Ion Ratio Lower Upper
142 100
127 49.6 33.3 49.9
141 8.6 11.4 17.0#

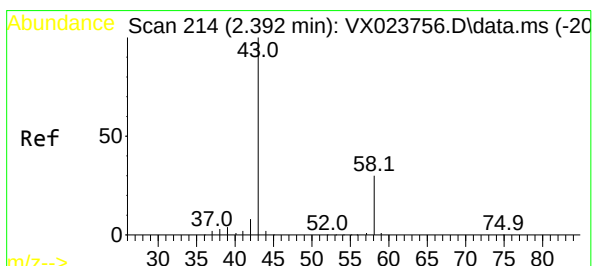
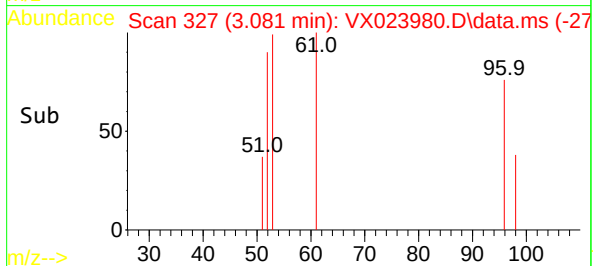
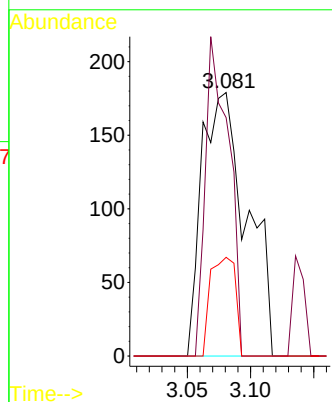
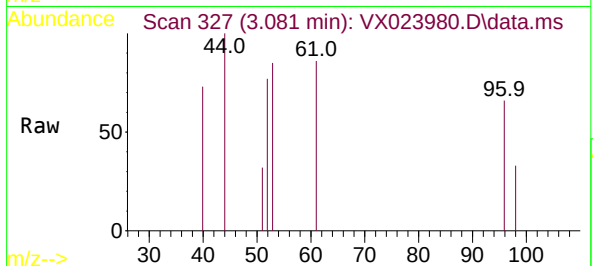




#15
Acrylonitrile
Concen: 0.392 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

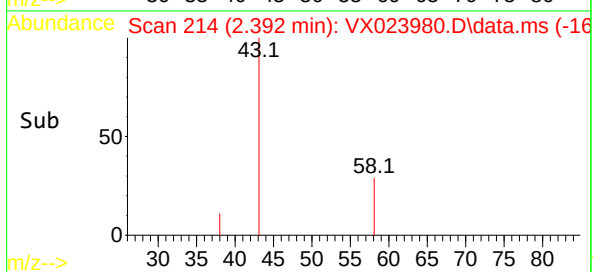
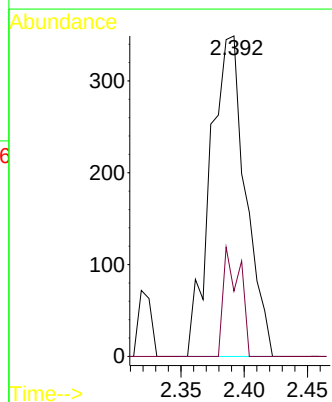
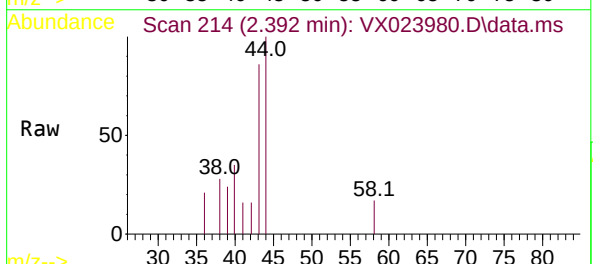
Instrument :
MSVOA_X
ClientSampled :

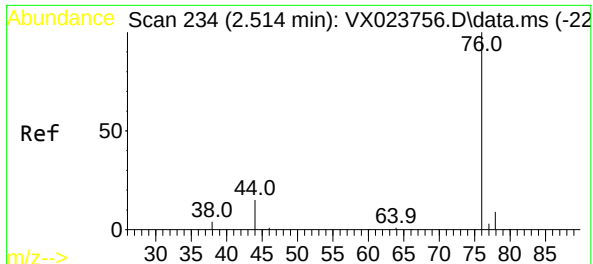
Tgt Ion: 53 Resp: 444
Ion Ratio Lower Upper
53 100
52 62.8 65.3 97.9#
51 20.7 28.2 42.2#



#16
Acetone
Concen: 0.600 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

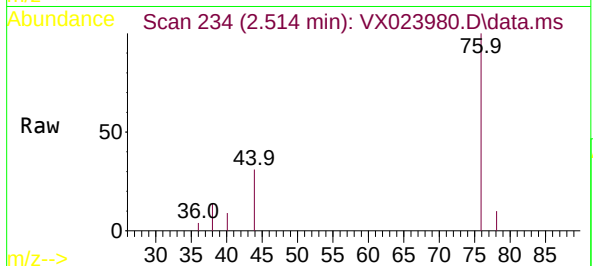
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
58 20.3 27.8 41.8#



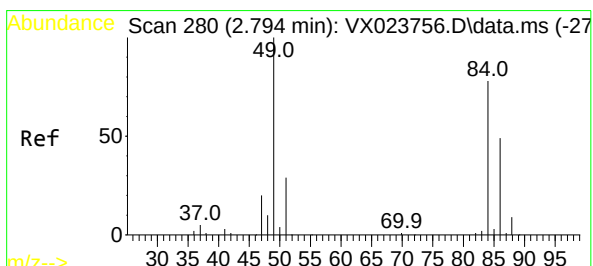
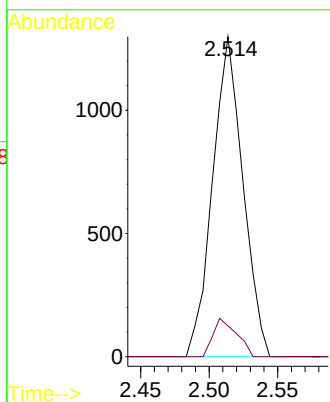
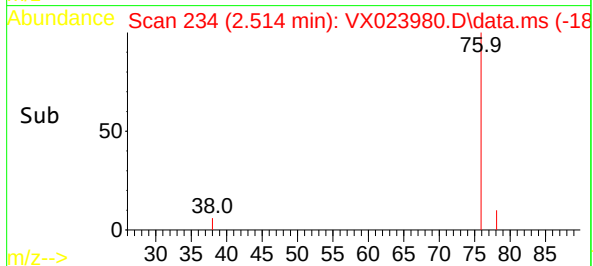


#17
Carbon Disulfide
Concen: 0.486 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

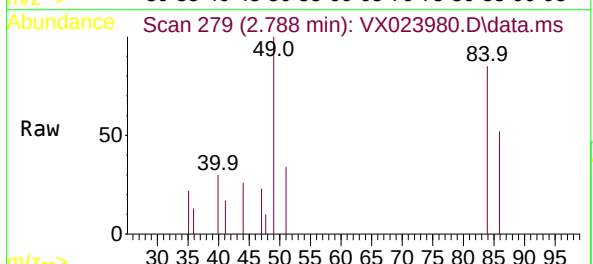
Instrument :
MSVOA_X
ClientSampled :



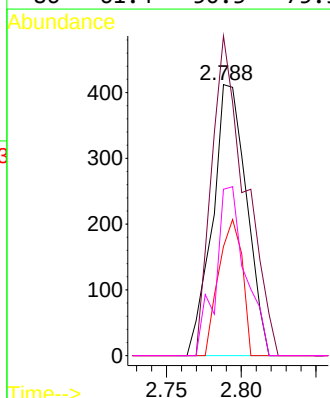
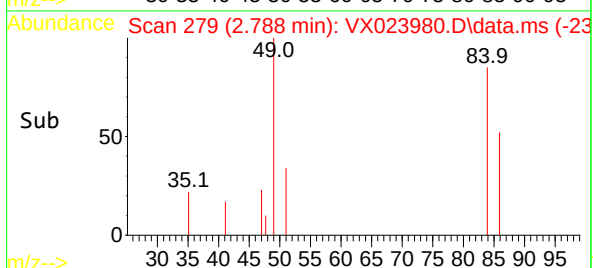
Tgt Ion: 76 Resp: 2000
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8

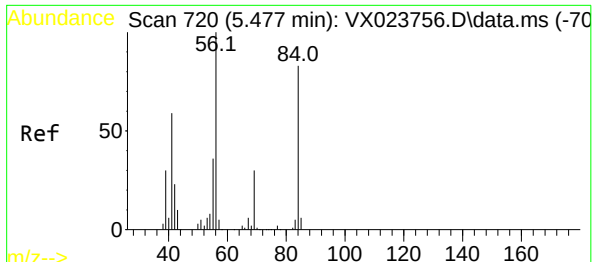


#20
Methylene Chloride
Concen: 0.304 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42



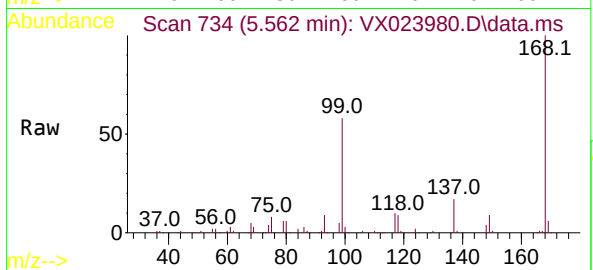
Tgt Ion: 84 Resp: 653
Ion Ratio Lower Upper
84 100
49 118.0 88.6 132.8
51 40.3 27.0 40.6
86 61.4 50.3 75.5



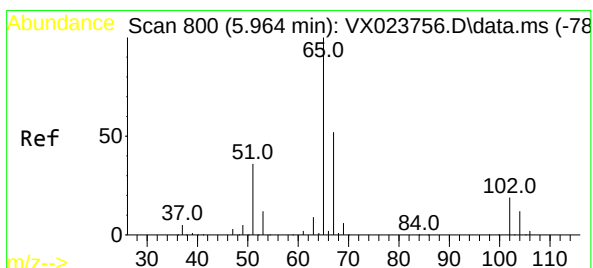
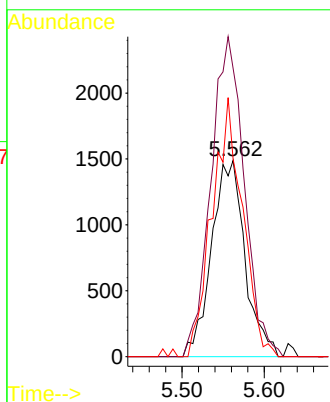
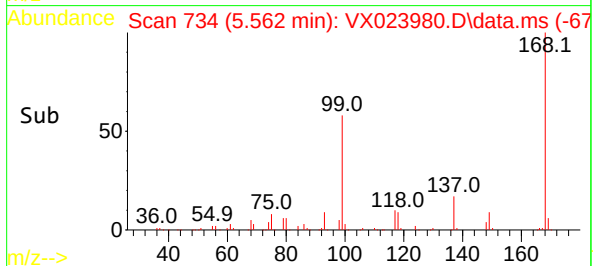


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

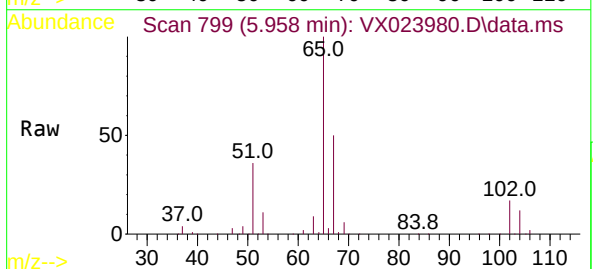
Instrument :
MSVOA_X
ClientSampled :



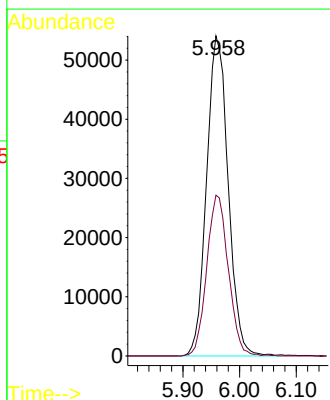
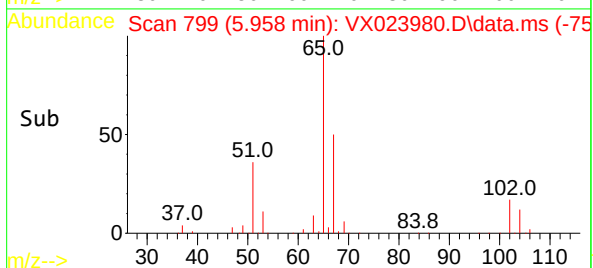
Tgt Ion: 56 Resp: 4199
Ion Ratio Lower Upper
56 100
69 147.1 25.3 37.9#
84 100.9 71.4 107.0

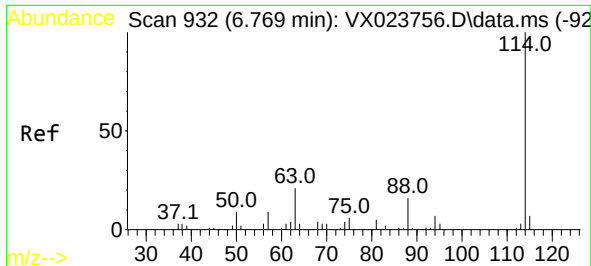


#33
1,2-Dichloroethane-d4
Concen: 56.899 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42



Tgt Ion: 65 Resp: 142916
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

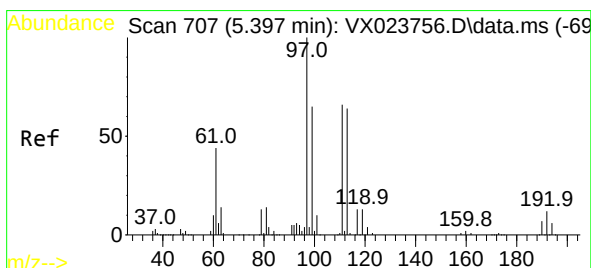
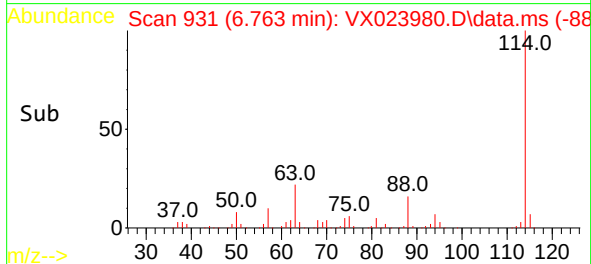
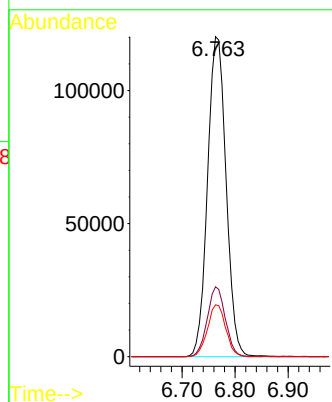
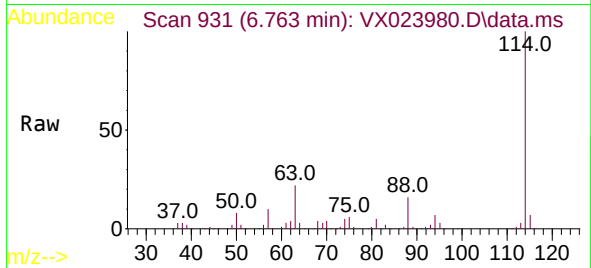




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

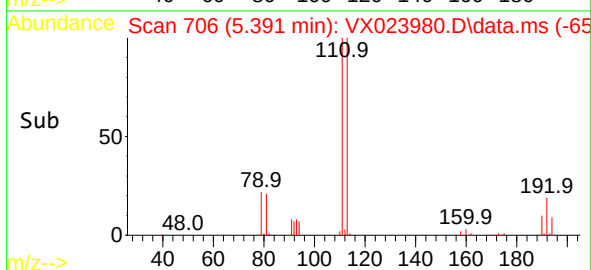
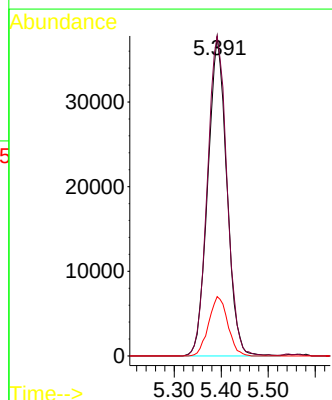
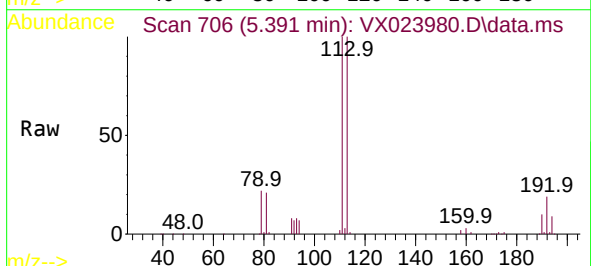
Instrument :
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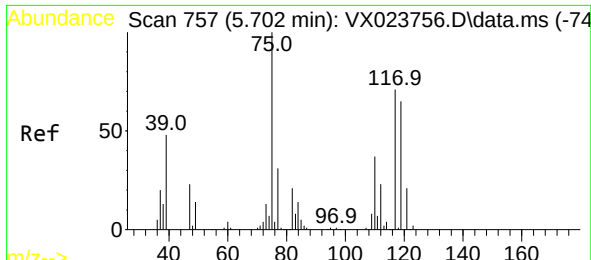
Tgt Ion:114 Resp: 291970
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 54.728 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion:113 Resp: 105760
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 18.7 16.7 25.1

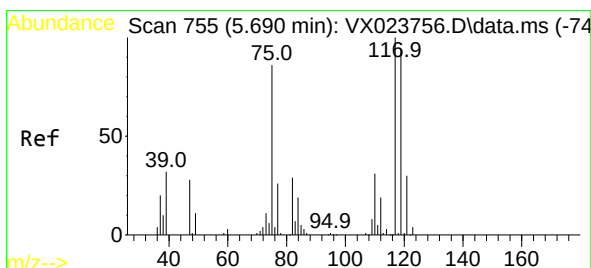
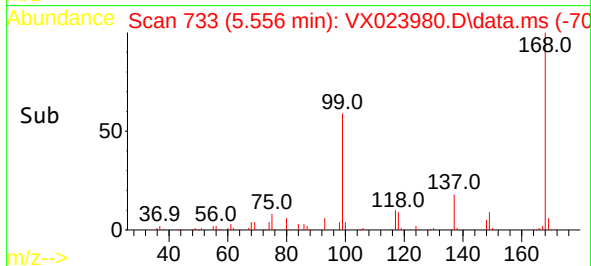
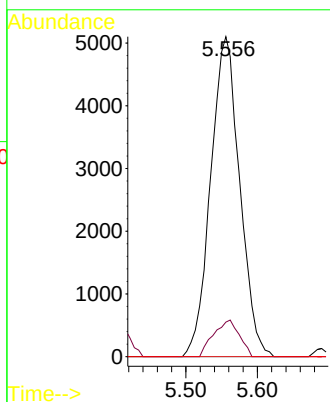
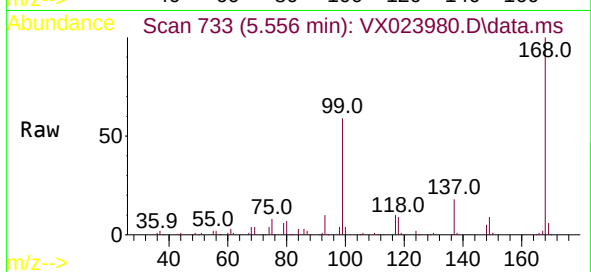




#36
1,1-Dichloropropene
Concen: 5.323 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

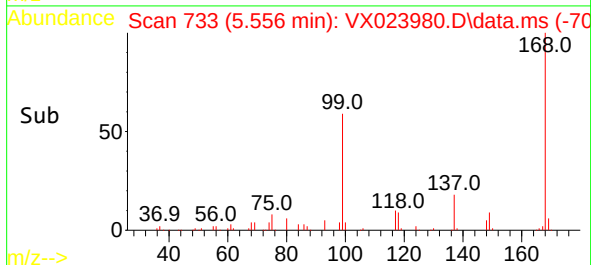
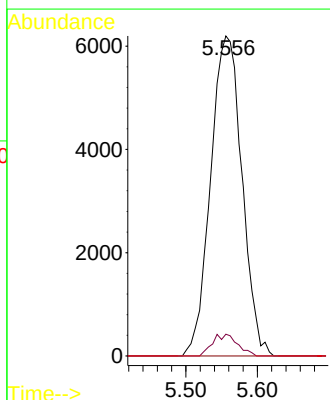
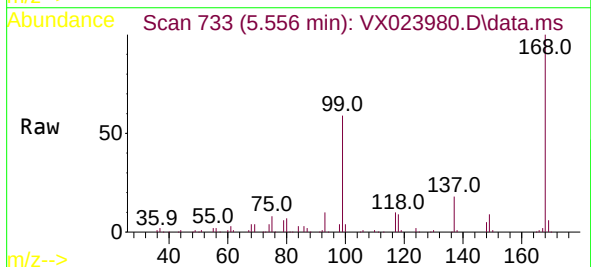
Instrument :
MSVOA_X
ClientSampled :

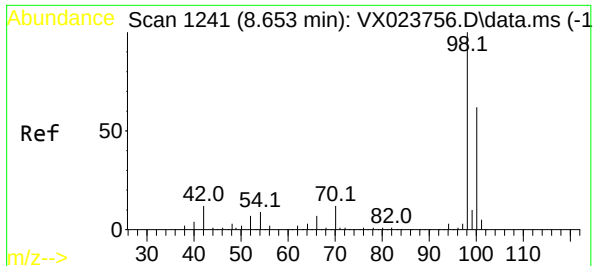
Tgt Ion: 75 Resp: 14393
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion: 117 Resp: 18856
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

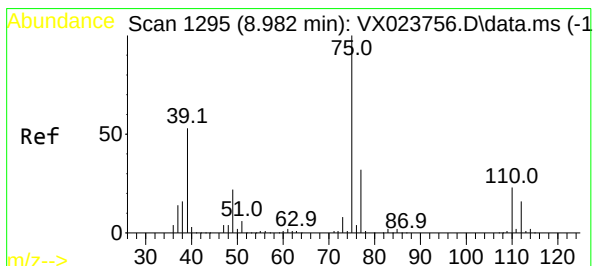
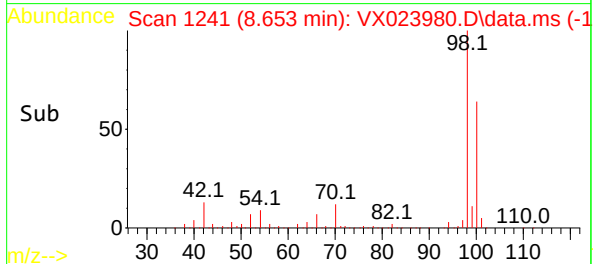
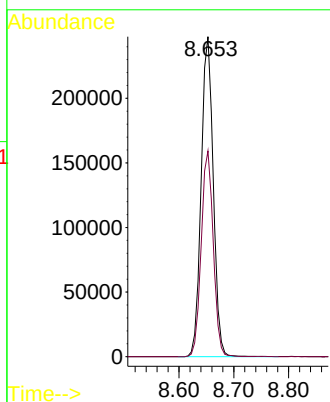
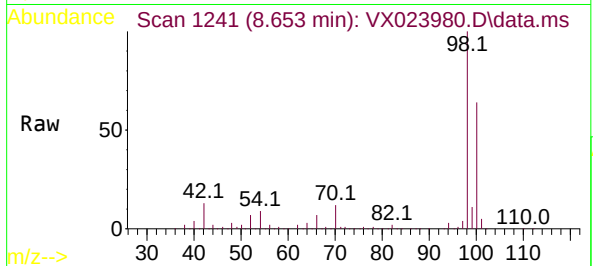




#50
Toluene-d8
Concen: 51.519 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

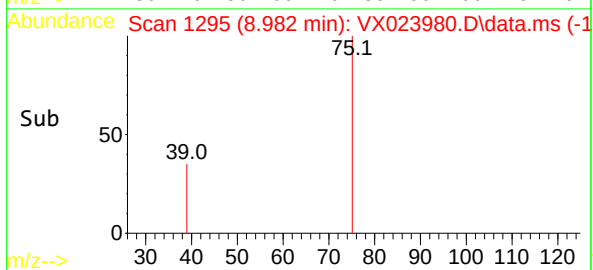
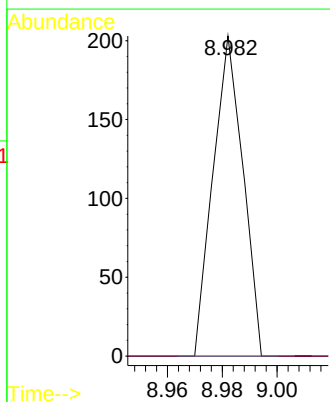
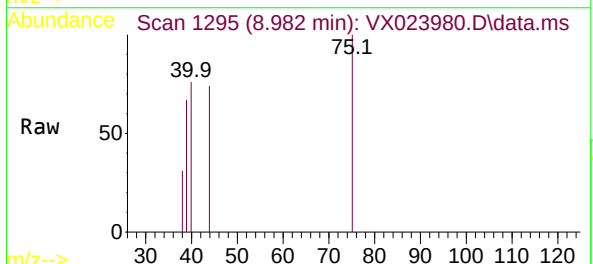
Instrument :
MSVOA_X
ClientSampled :

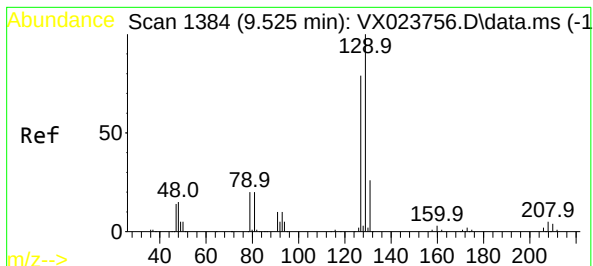
Tgt Ion: 98 Resp: 378926
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.180 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion: 75 Resp: 154
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#





#60

Dibromochloromethane

Concen: 1.743 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX023980.D

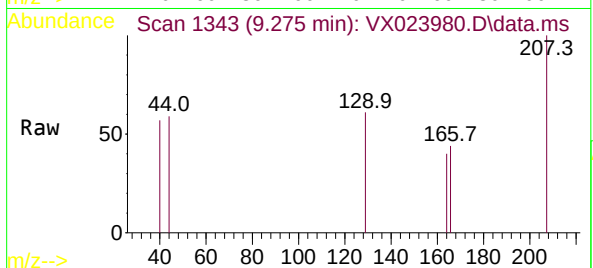
Acq: 27 Aug 2021 09:42

Tgt Ion:129 Resp: 135

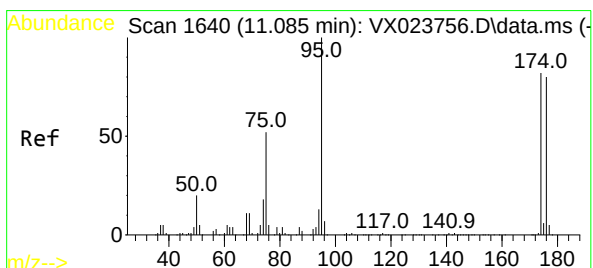
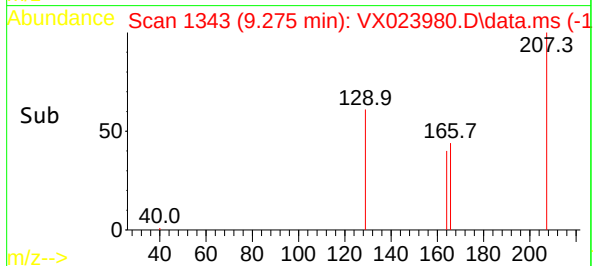
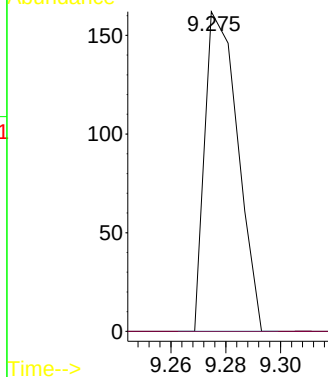
Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance



#62

4-Bromofluorobenzene

Concen: 51.649 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023980.D

Acq: 27 Aug 2021 09:42

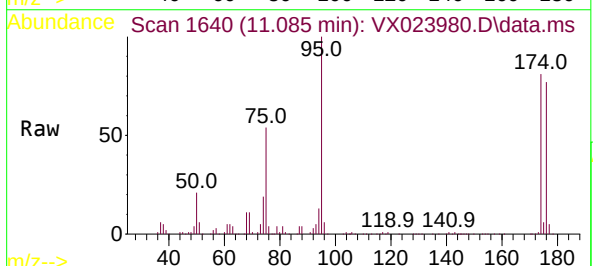
Tgt Ion: 95 Resp: 139846

Ion Ratio Lower Upper

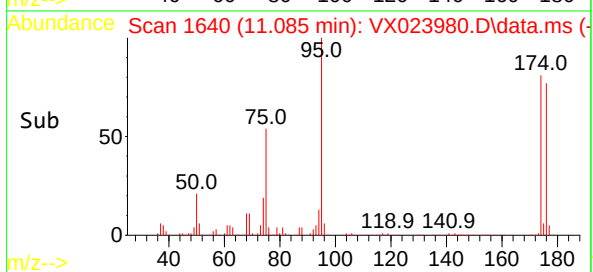
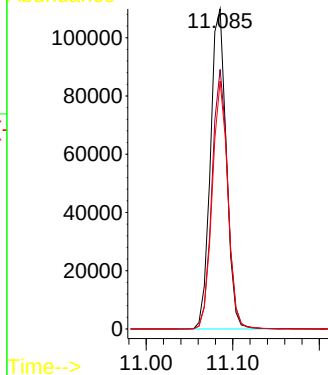
95 100

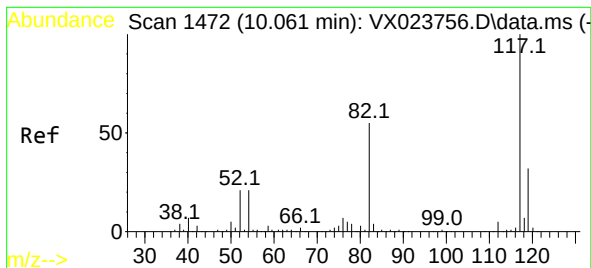
174 80.5 0.0 154.6

176 76.2 0.0 155.8



Abundance

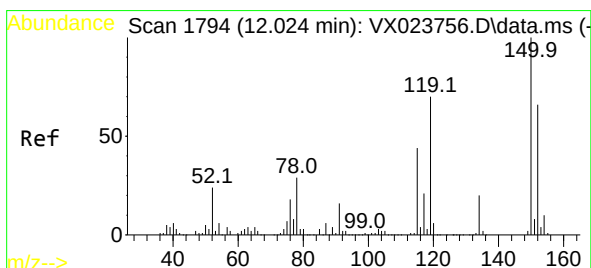
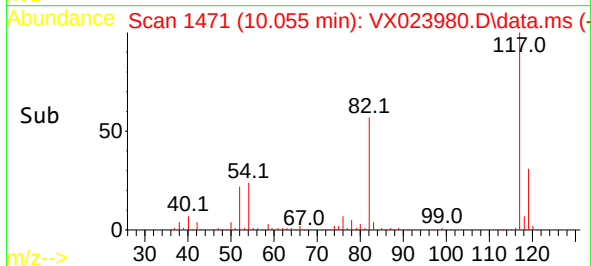
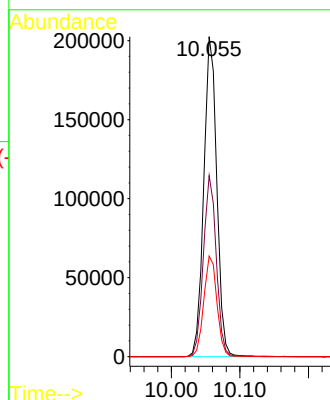
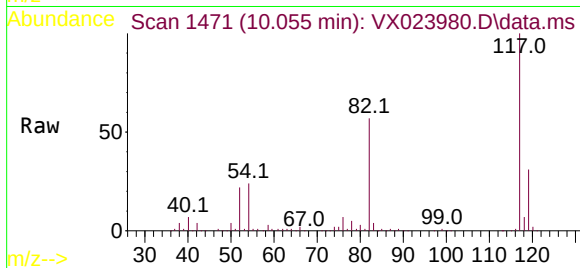




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

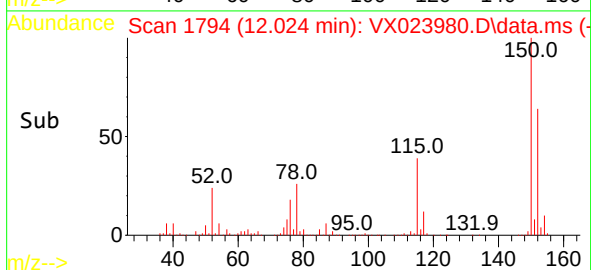
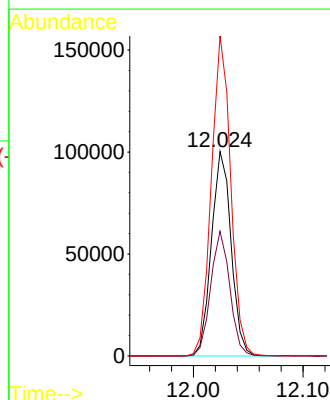
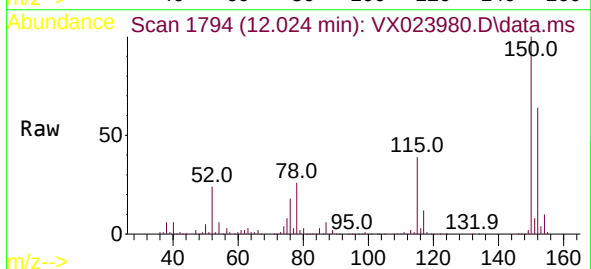
Instrument :
MSVOA_X
ClientSampled :

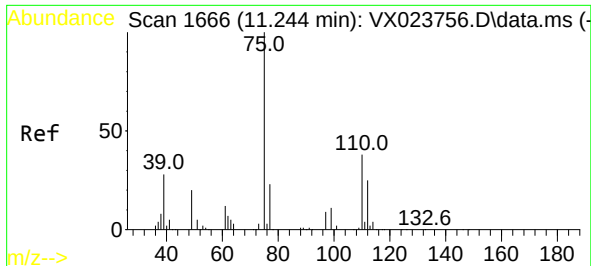
Tgt Ion:117 Resp: 268212
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion:152 Resp: 125089
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 154.2 0.0 349.0

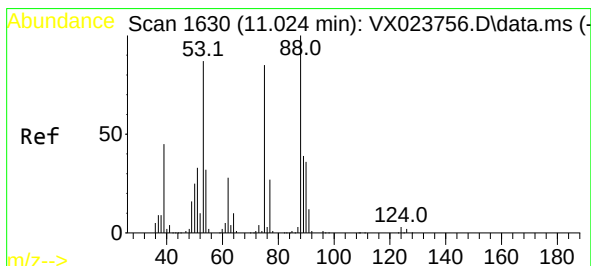
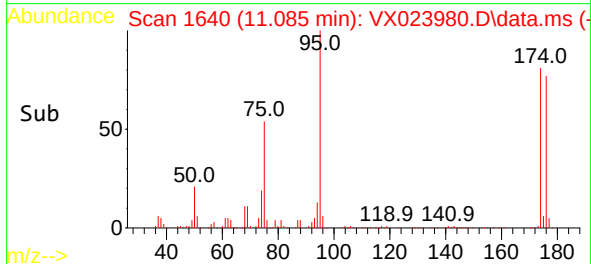
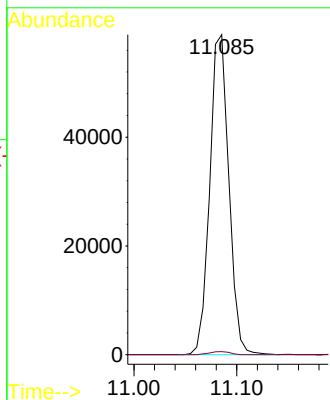
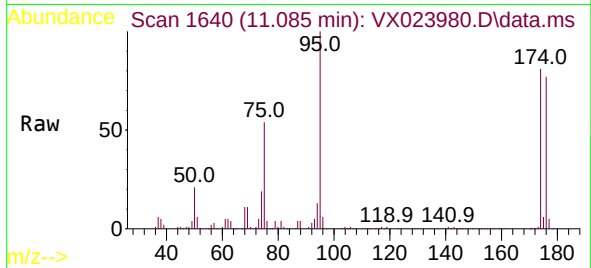




#76
1,2,3-Trichloropropane
Concen: 25.989 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

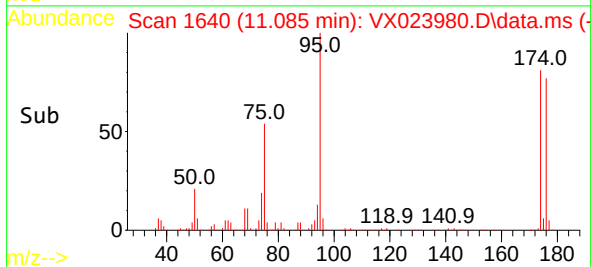
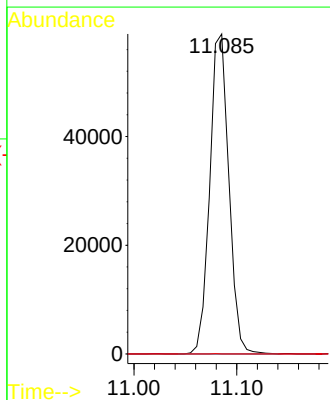
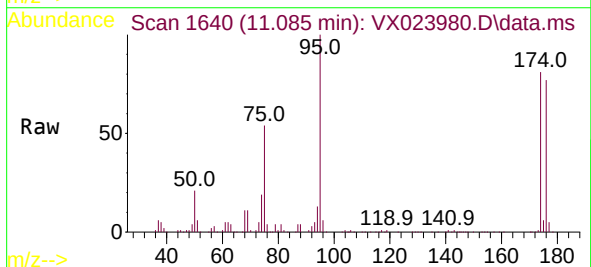
Instrument :
MSVOA_X
ClientSampled :

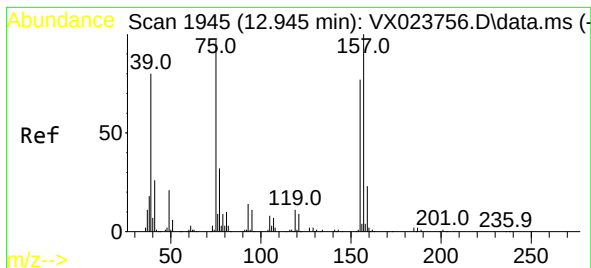
Tgt Ion: 75 Resp: 75836
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.448 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

Tgt Ion: 75 Resp: 75836
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

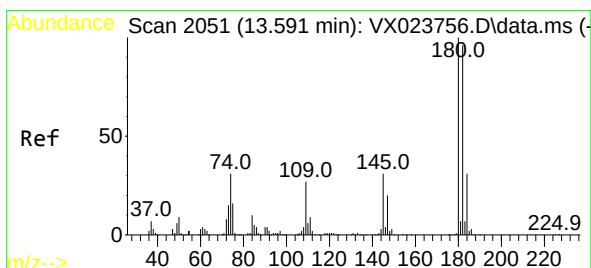
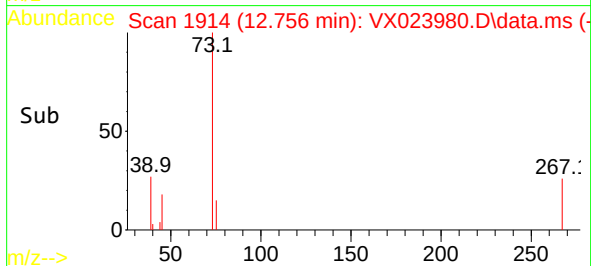
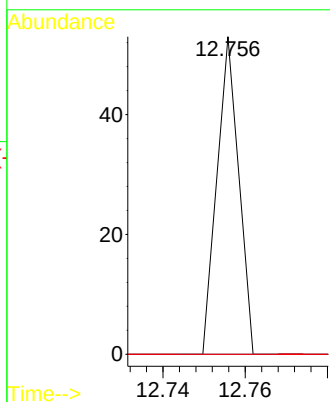
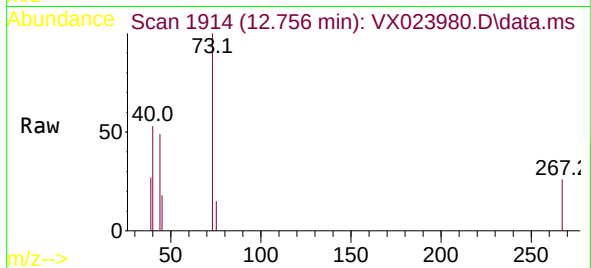




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.187 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.189 min
 Lab File: VX023980.D
 Acq: 27 Aug 2021 09:42

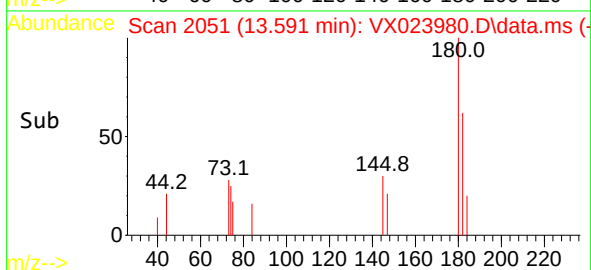
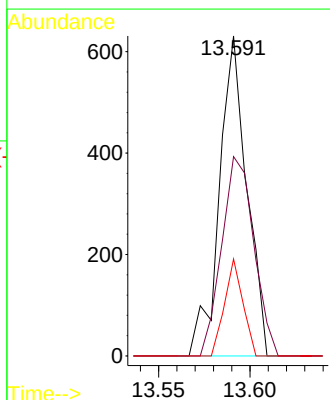
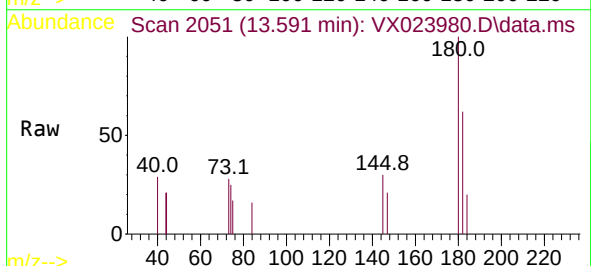
Instrument :
 MSVOA_X
 ClientSampled :

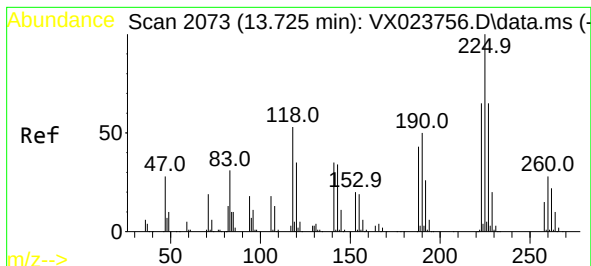
Tgt Ion: 75 Resp: 19
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.3 135.9#
 157 0.0 57.7 173.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.266 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX023980.D
 Acq: 27 Aug 2021 09:42

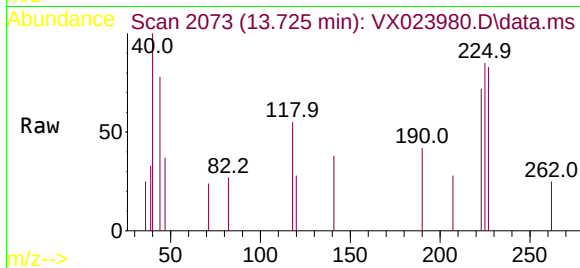
Tgt Ion: 180 Resp: 659
 Ion Ratio Lower Upper
 180 100
 182 73.0 47.7 143.1
 145 20.2 15.0 45.0



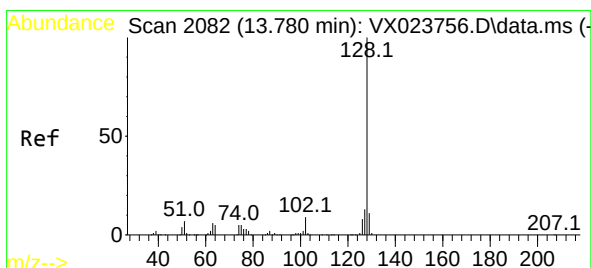
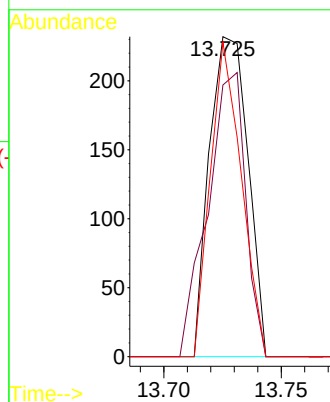
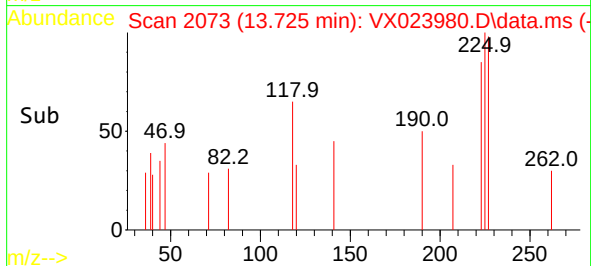


#94
Hexachlorobutadiene
Concen: 0.240 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42

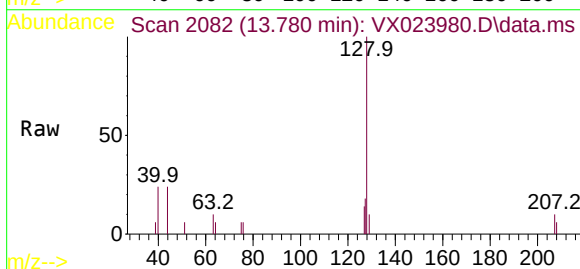
Instrument :
MSVOA_X
ClientSampled :



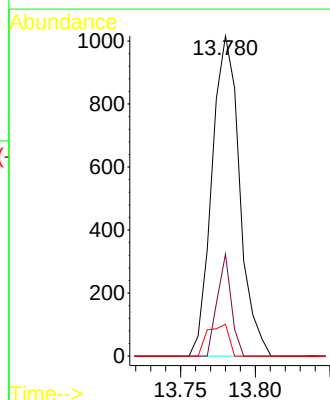
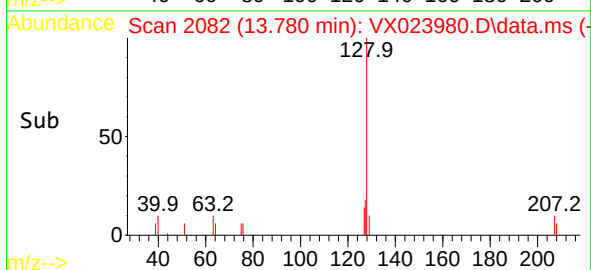
Tgt Ion:	225	Resp:	265
Ion	Ratio	Lower	Upper
225	100		
223	87.2	31.1	93.2
227	78.9	31.6	95.0

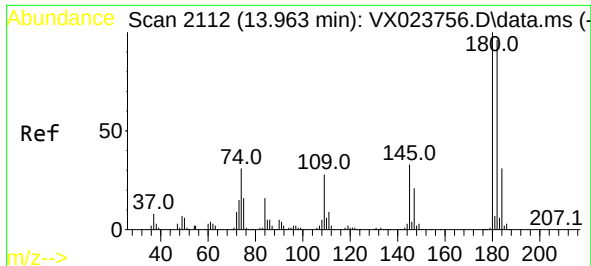


#95
Naphthalene
Concen: 1.422 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023980.D
Acq: 27 Aug 2021 09:42



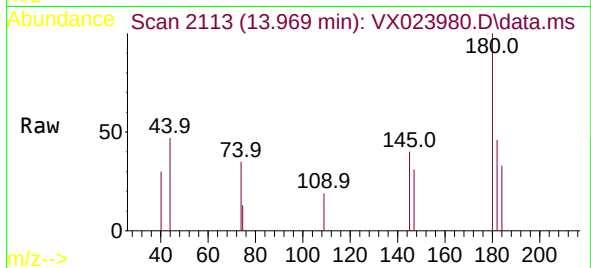
Tgt Ion:	128	Resp:	1307
Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.3	15.5#
129	7.7	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX023980.D
 Acq: 27 Aug 2021 09:42

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 508
 Ion Ratio Lower Upper
 180 100
 182 79.7 47.6 142.9
 145 36.8 16.1 48.3

