

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX023984.D
 Acq On : 27 Aug 2021 12:00
 Operator : JC/MD
 Sample : M3547-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 28 04:54:35 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)

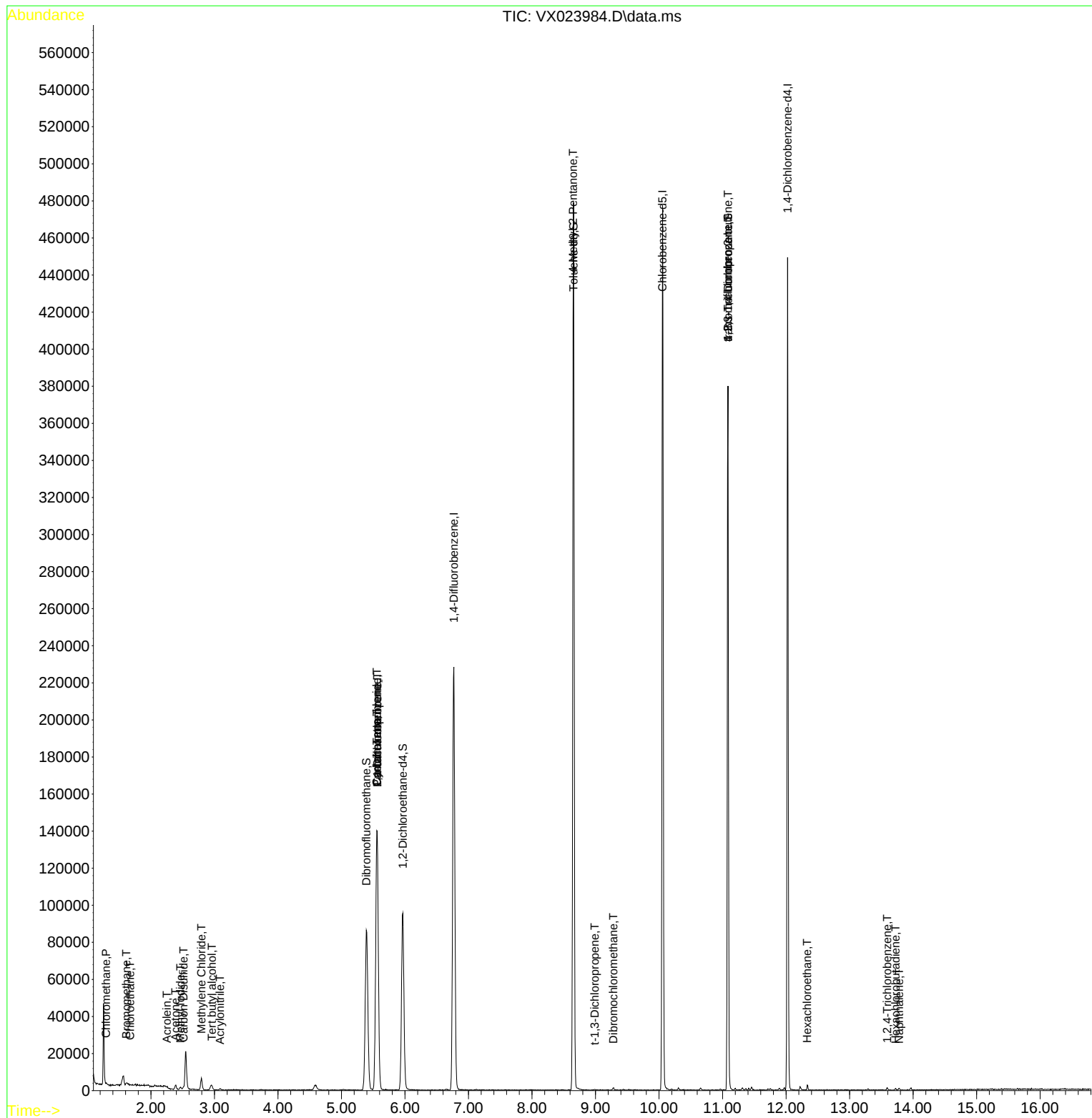
Internal Standards						
1) Pentafluorobenzene	5.562	168	132355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225486	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95292	51.586	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.391	113	72712	48.720	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.440%			
50) Toluene-d8	8.653	98	271466	47.791	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.580%			
62) 4-Bromofluorobenzene	11.085	95	94236	45.066	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.140%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	644	0.420	ug/l	95
5) Bromomethane	1.611	94	897	0.954	ug/l #	75
6) Chloroethane	1.672	64	172	2.349	ug/l #	43
10) Methyl Iodide	2.465	142	1584	0.856	ug/l #	83
11) Tert butyl alcohol	2.959	59	1788	4.786	ug/l #	73
13) Acrolein	2.252	56	67	0.301	ug/l #	1
15) Acrylonitrile	3.087	53	211	0.253	ug/l	95
16) Acetone	2.386	43	2594	3.141	ug/l	97
17) Carbon Disulfide	2.514	76	1406	0.464	ug/l	95
20) Methylene Chloride	2.794	84	2457	1.557	ug/l #	70
31) Cyclohexane	5.556	56	3685	1.553	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	10912	5.226	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13685	6.285	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1373	0.529	ug/l #	1
53) t-1,3-Dichloropropene	8.988	75	213	2.214	ug/l	92
60) Dibromochloromethane	9.281	129	39	1.709	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	51770	26.157	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	51770	76.942	ug/l #	12
90) Hexachloroethane	12.329	117	22	1.489	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.591	180	419	0.249	ug/l	74
94) Hexachlorobutadiene	13.725	225	172	0.230	ug/l	64
95) Naphthalene	13.780	128	918	1.427	ug/l #	86

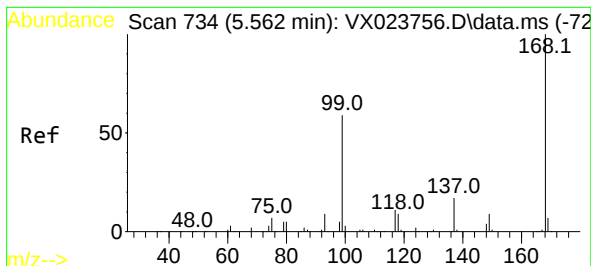
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX023984.D

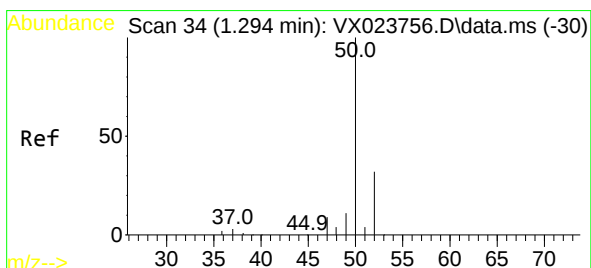
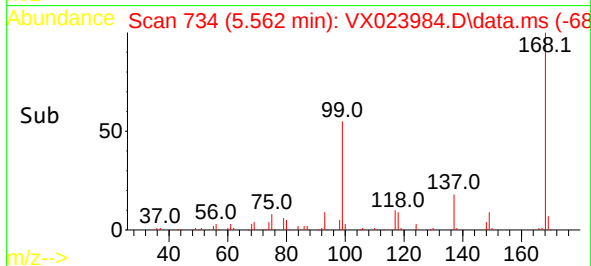
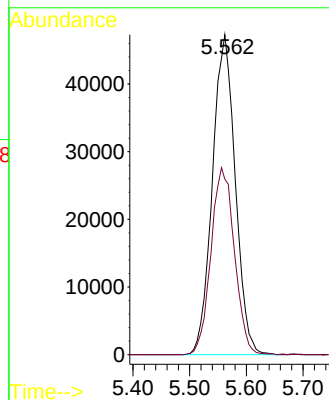
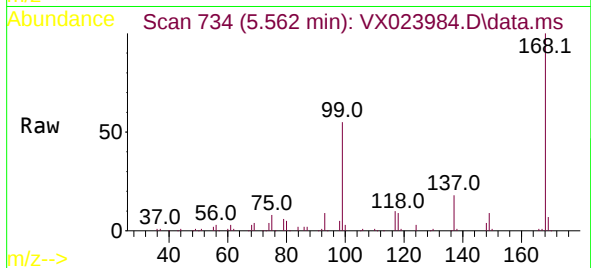
Acq: 27 Aug 2021 12:00

Tgt Ion:168 Resp: 132355

Ion Ratio Lower Upper

168 100

99 54.9 45.8 68.6



#3

Chloromethane

Concen: 0.420 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX023984.D

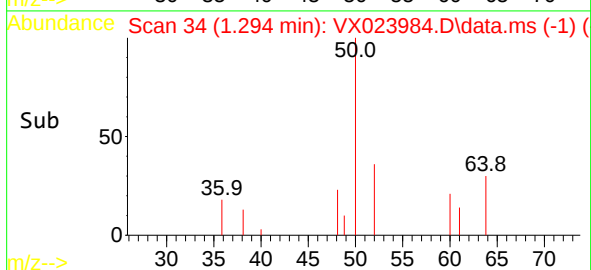
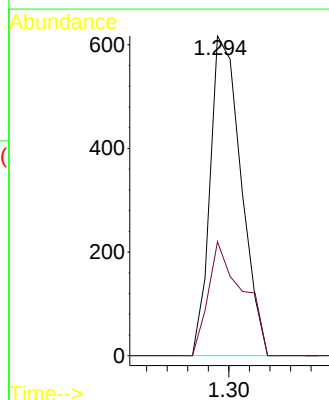
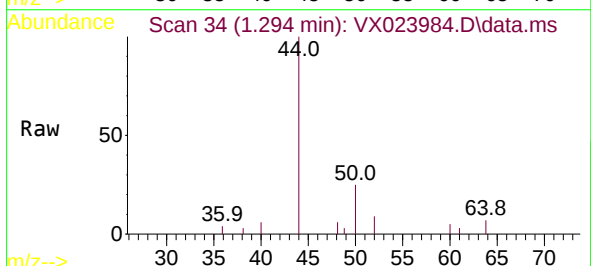
Acq: 27 Aug 2021 12:00

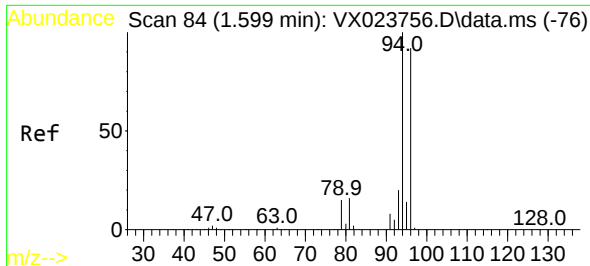
Tgt Ion: 50 Resp: 644

Ion Ratio Lower Upper

50 100

52 35.7 26.4 39.6

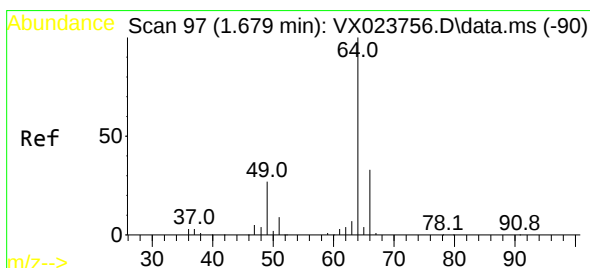
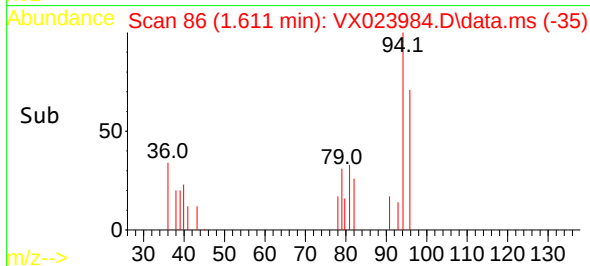
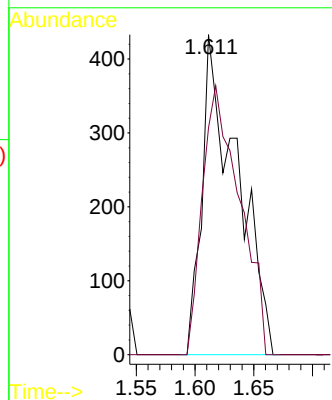
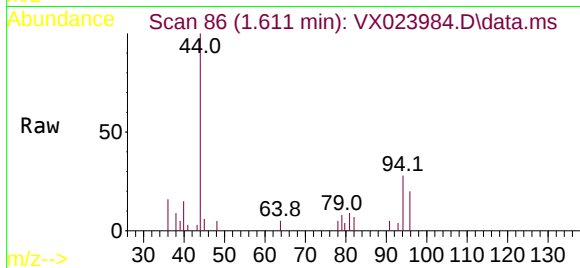




#5
Bromomethane
Concen: 0.954 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

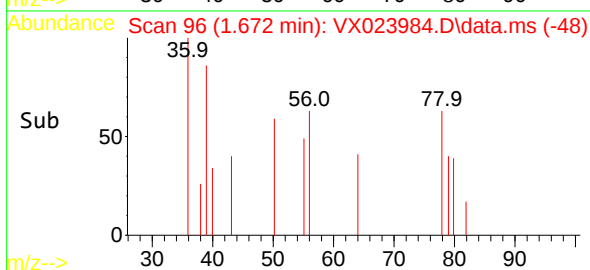
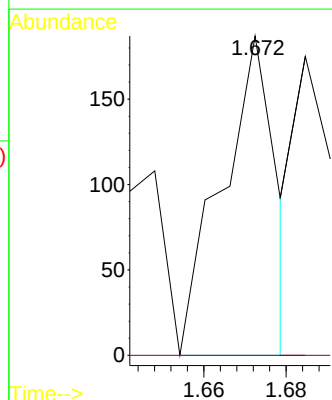
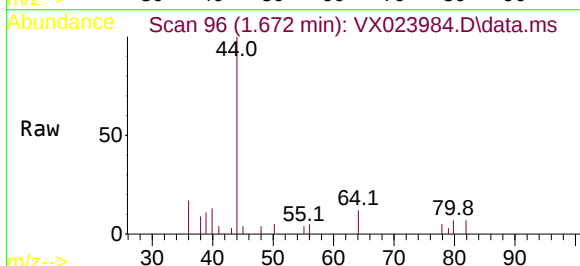
Instrument :
MSVOA_X
ClientSampled :

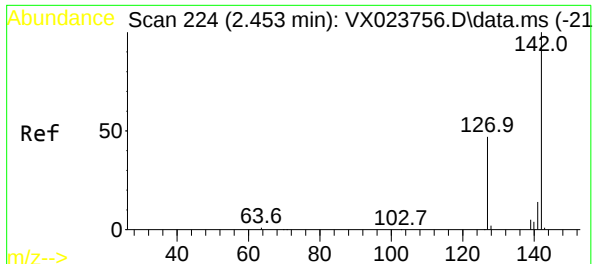
Tgt Ion: 94 Resp: 897
Ion Ratio Lower Upper
94 100
96 70.9 76.4 114.6#



#6
Chloroethane
Concen: 2.349 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

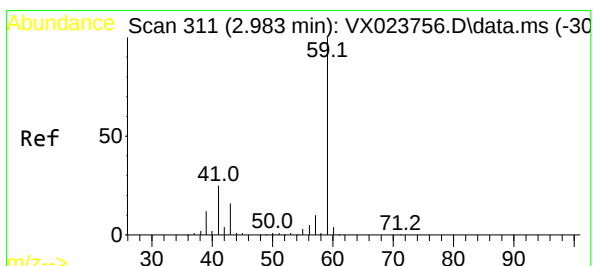
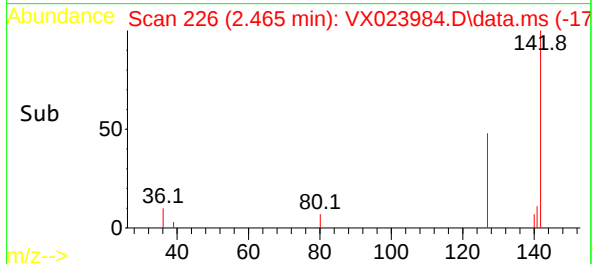
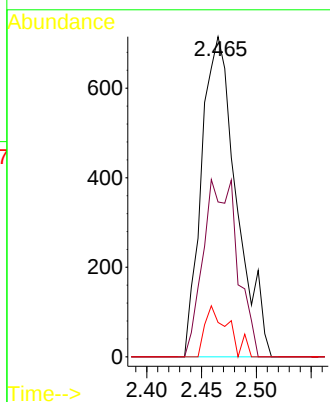
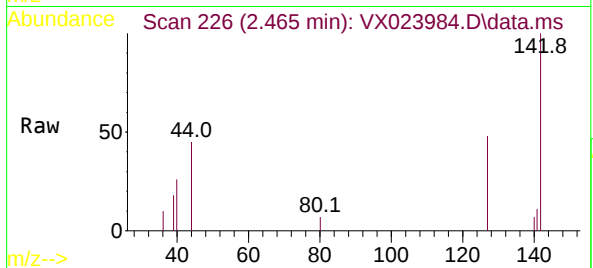




#10
Methyl Iodide
Concen: 0.856 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

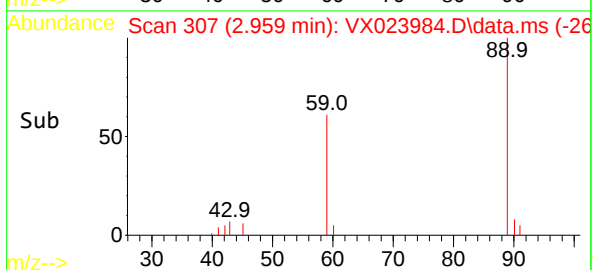
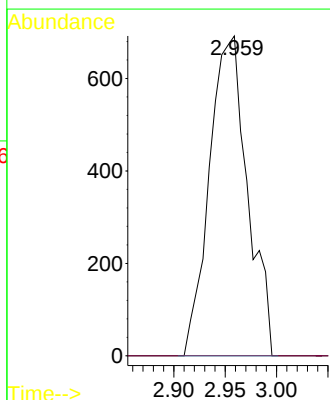
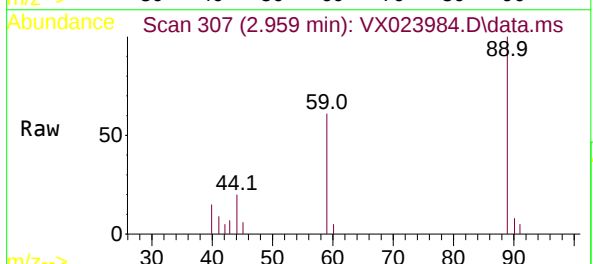
Instrument :
MSVOA_X
ClientSampled :

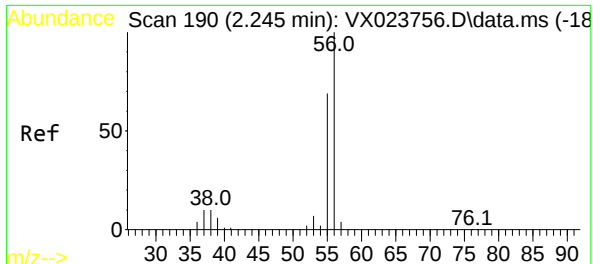
Tgt Ion:142 Resp: 1584
Ion Ratio Lower Upper
142 100
127 53.8 33.3 49.9#
141 10.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 4.786 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion: 59 Resp: 1788
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

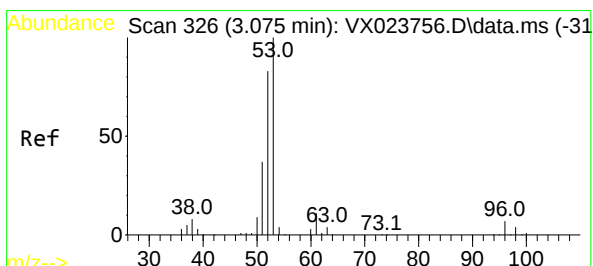
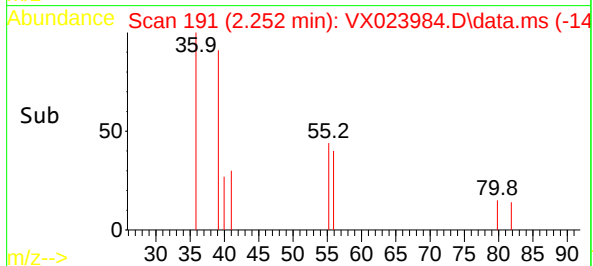
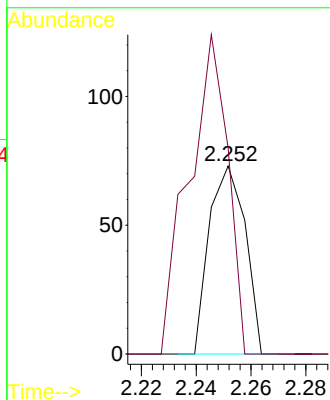
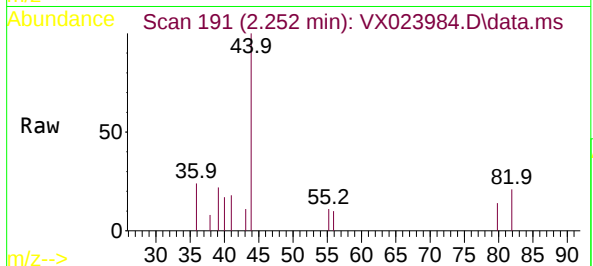




#13
Acrolein
Concen: 0.301 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

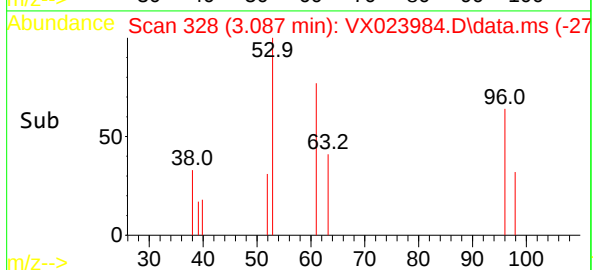
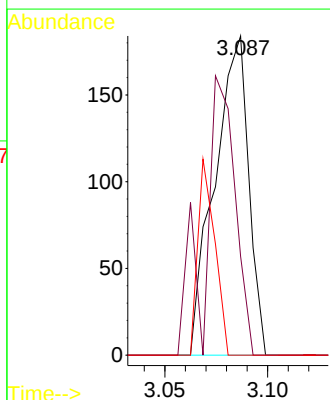
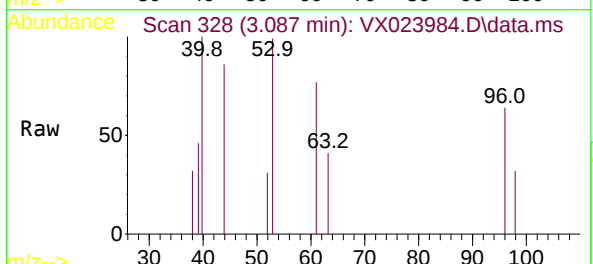
Instrument :
MSVOA_X
ClientSampled :

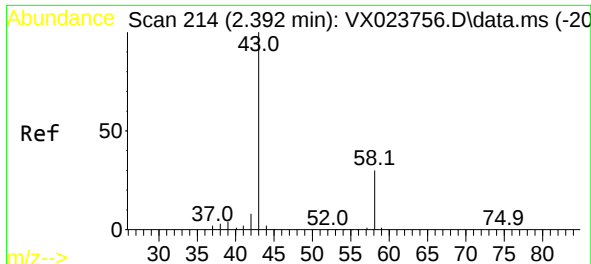
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 183.6 56.4 84.6#



#15
Acrylonitrile
Concen: 0.253 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.012 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion: 53 Resp: 211
Ion Ratio Lower Upper
53 100
52 77.7 65.3 97.9
51 30.8 28.2 42.2

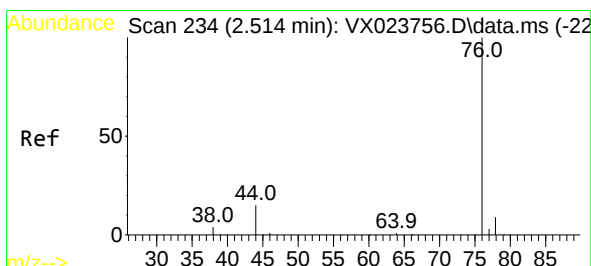
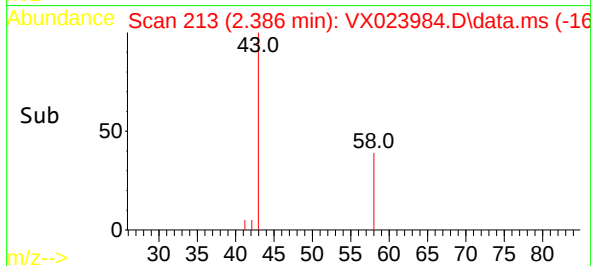
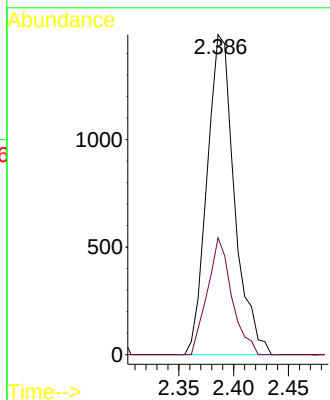
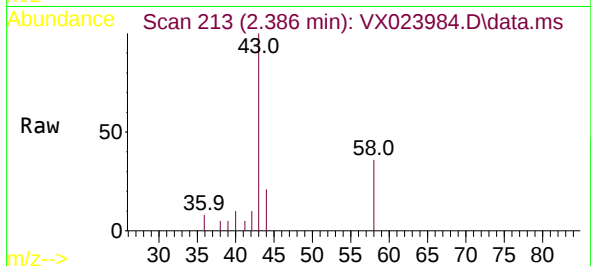




#16
Acetone
Concen: 3.141 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

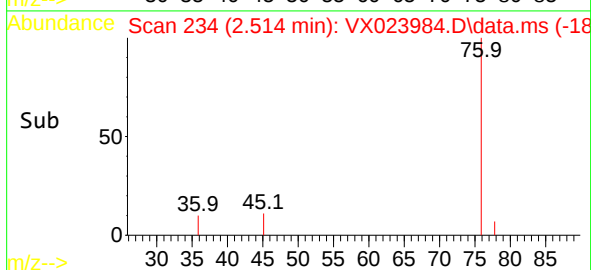
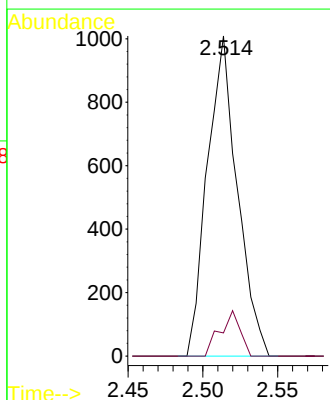
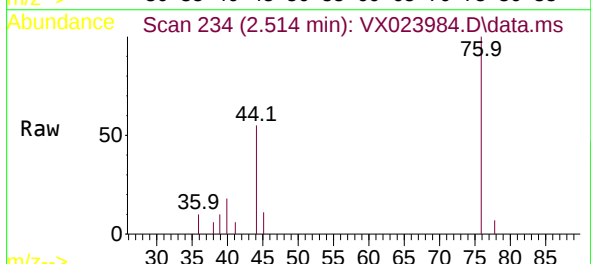
Instrument :
MSVOA_X
ClientSampled :

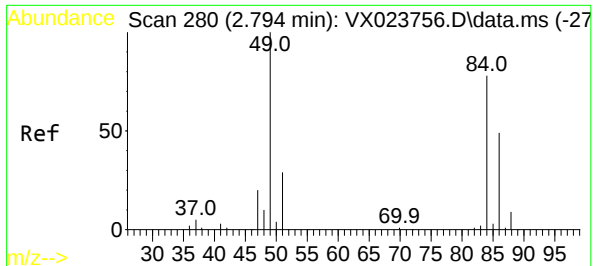
Tgt Ion: 43 Resp: 2594
Ion Ratio Lower Upper
43 100
58 36.5 27.8 41.8



#17
Carbon Disulfide
Concen: 0.464 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

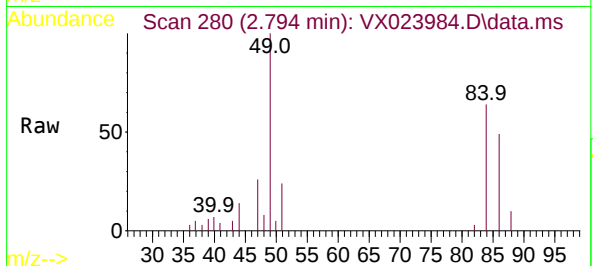
Tgt Ion: 76 Resp: 1406
Ion Ratio Lower Upper
76 100
78 7.2 7.2 10.8





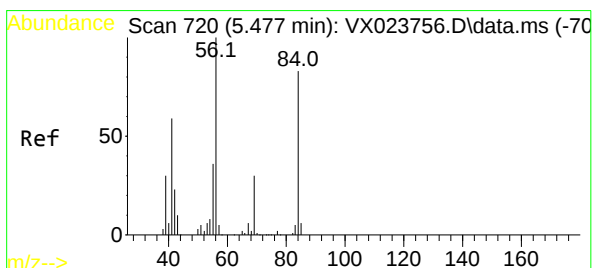
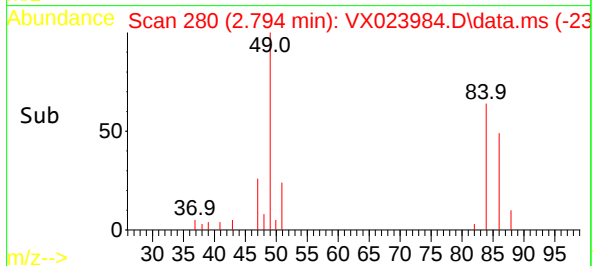
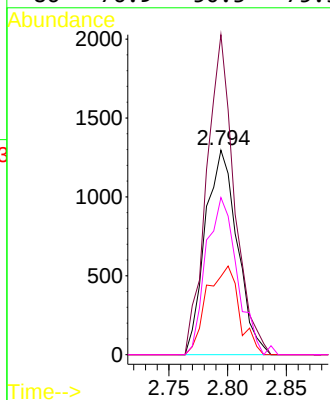
#20
Methylene Chloride
Concen: 1.557 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Instrument :
MSVOA_X
ClientSampled :

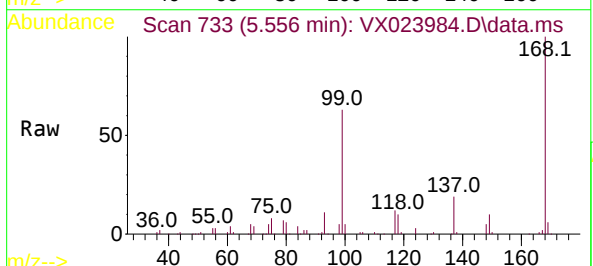


Tgt Ion: 84 Resp: 2457

Ion	Ratio	Lower	Upper
84	100		
49	156.5	88.6	132.8#
51	38.3	27.0	40.6
86	76.9	50.3	75.5#

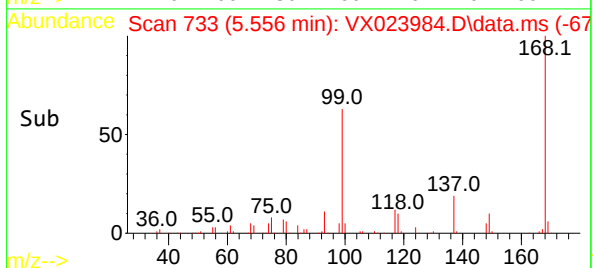
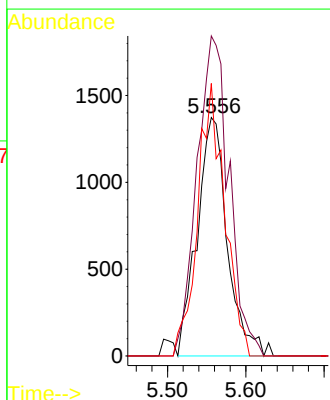


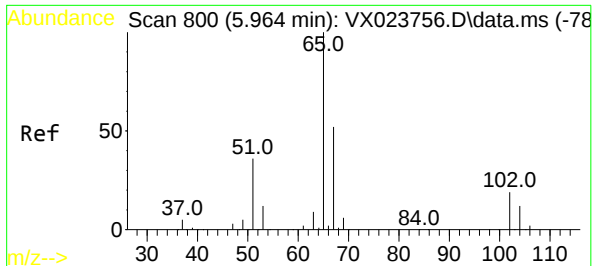
#31
Cyclohexane
Concen: 1.553 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00



Tgt Ion: 56 Resp: 3685

Ion	Ratio	Lower	Upper
56	100		
69	134.2	25.3	37.9#
84	125.3	71.4	107.0#



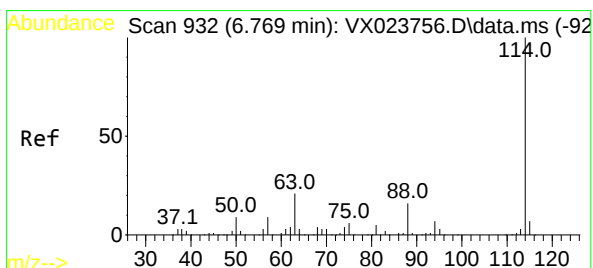
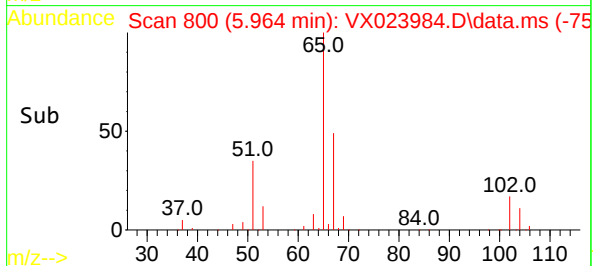
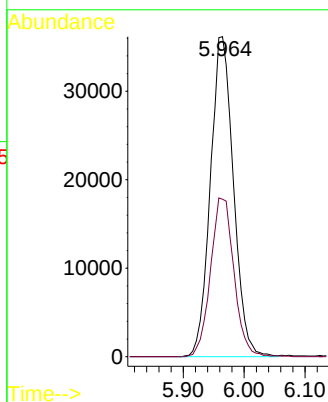
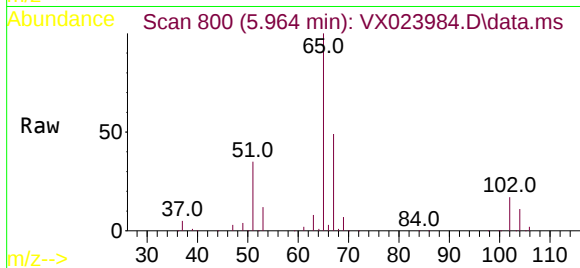


#33

1,2-Dichloroethane-d4
Concen: 51.586 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Instrument :
MSVOA_X
ClientSampled :

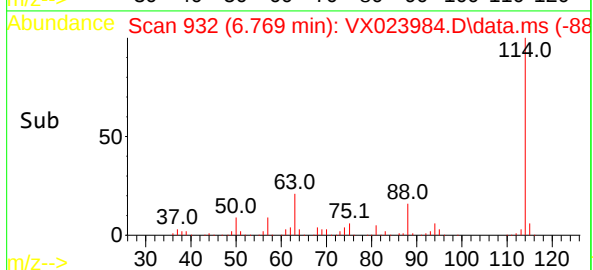
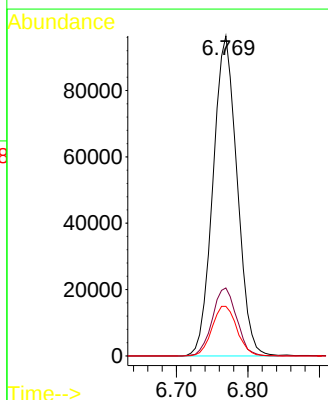
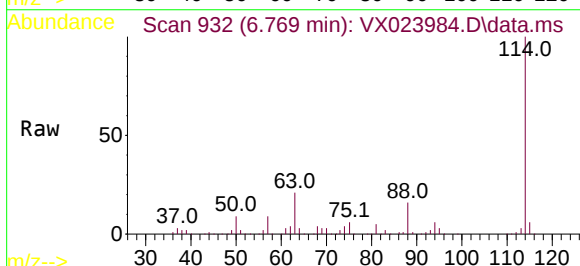
Tgt Ion: 65 Resp: 95292
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

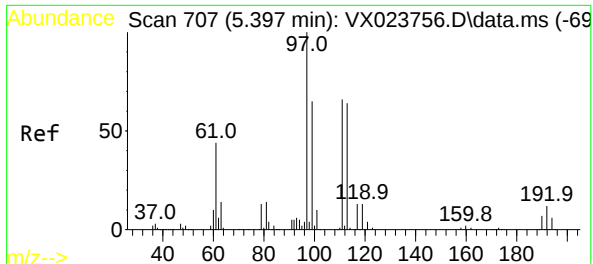


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion: 114 Resp: 225486
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 15.5 0.0 32.8

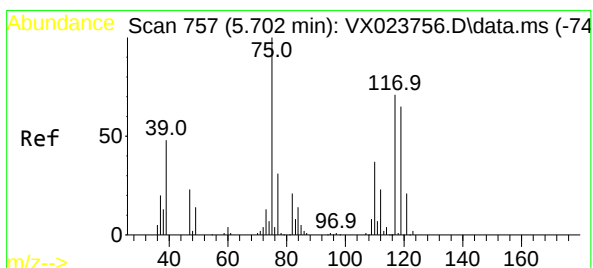
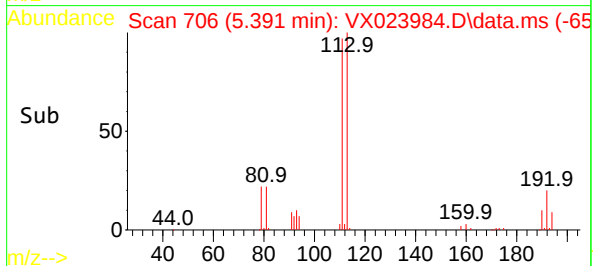
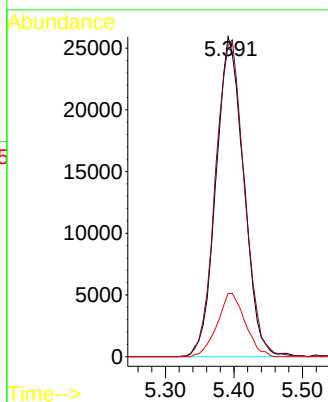
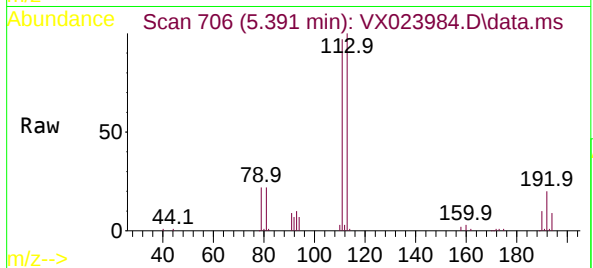




#35
Dibromofluoromethane
Concen: 48.720 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

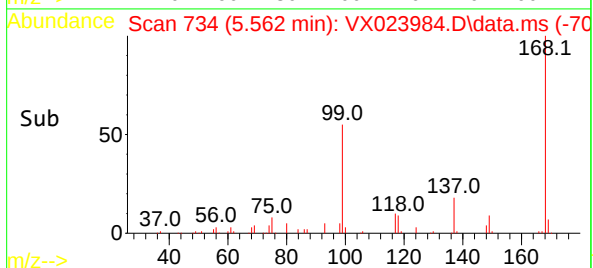
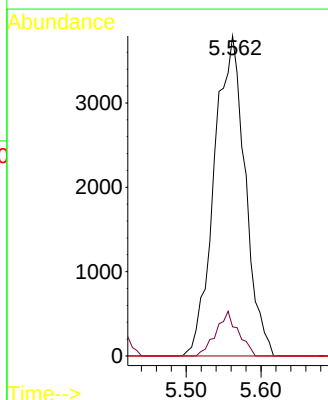
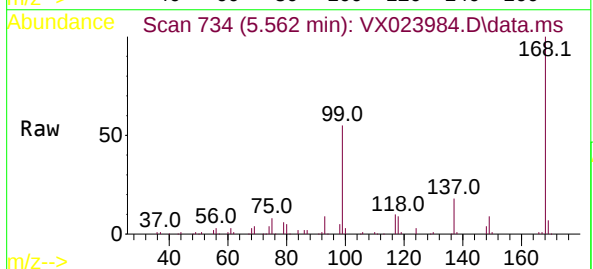
Instrument :
MSVOA_X
ClientSampleId :

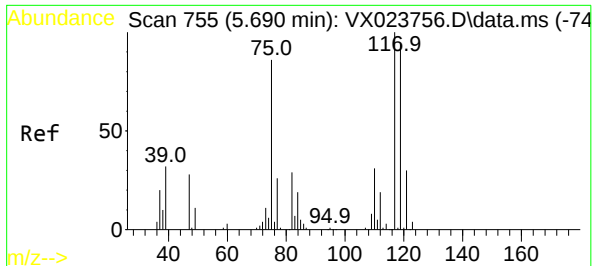
Tgt Ion:113 Resp: 72712
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.226 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

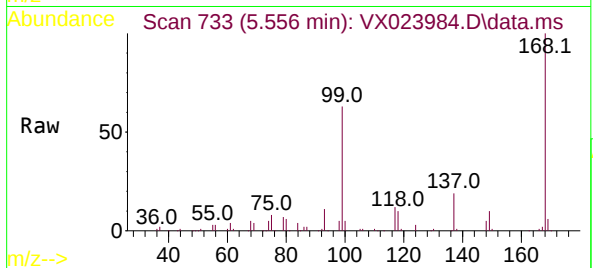
Tgt Ion: 75 Resp: 10912
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



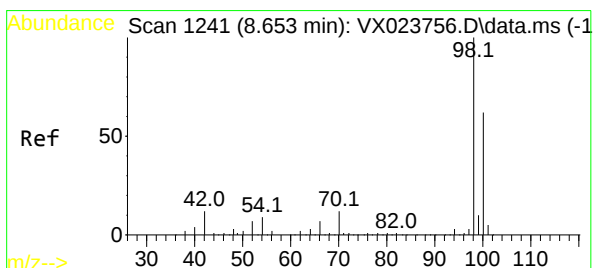
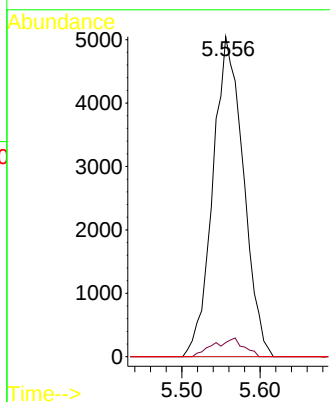
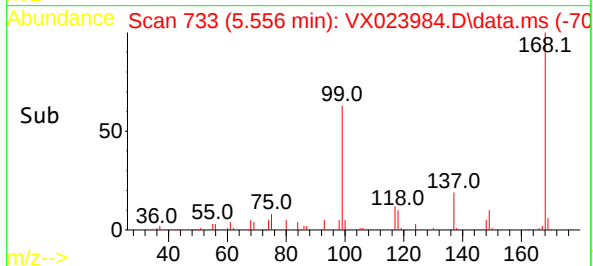


#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

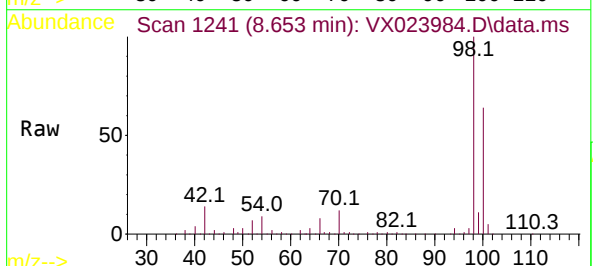
Instrument :
MSVOA_X
ClientSampleId :



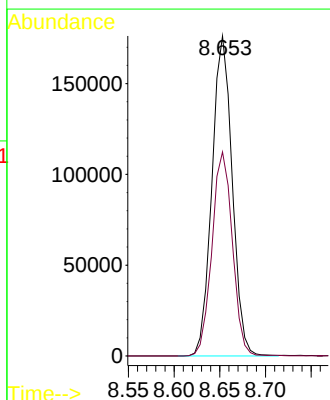
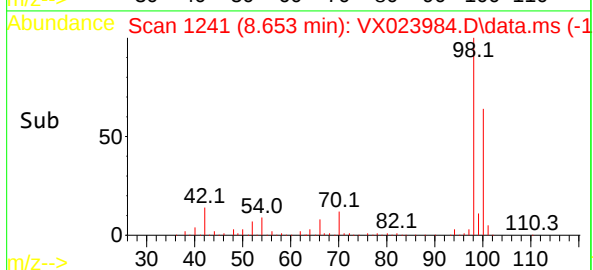
Tgt Ion:117 Resp: 13685
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#

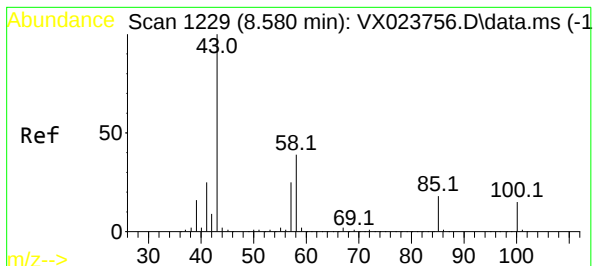


#50
Toluene-d8
Concen: 47.791 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00



Tgt Ion: 98 Resp: 271466
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

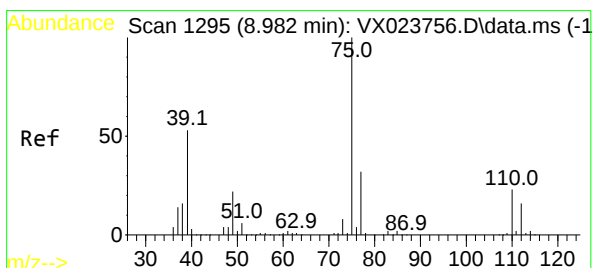
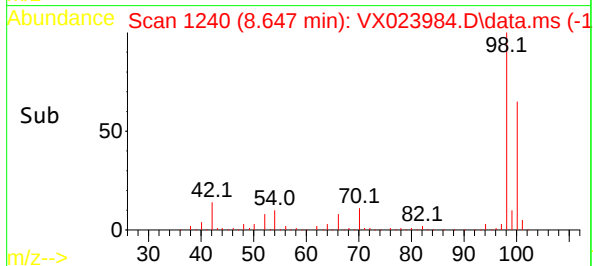
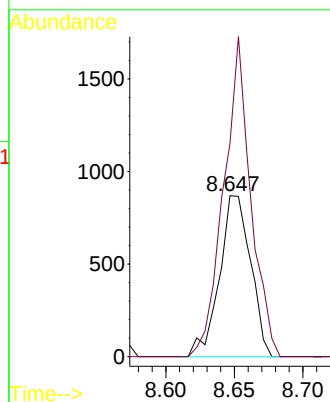
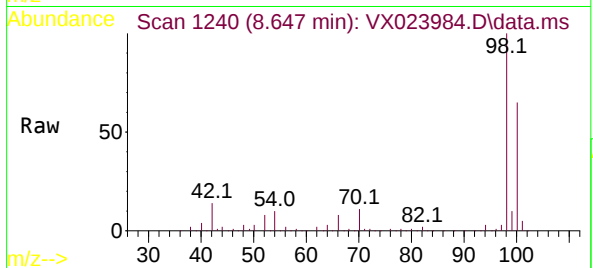




#51
4-Methyl-2-Pentanone
Concen: 0.529 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

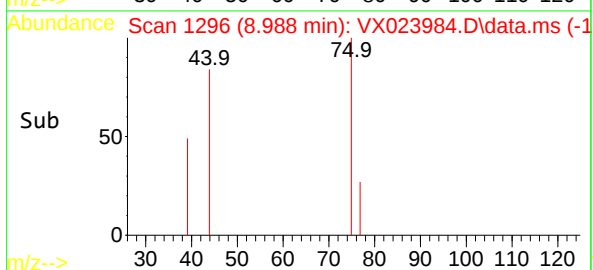
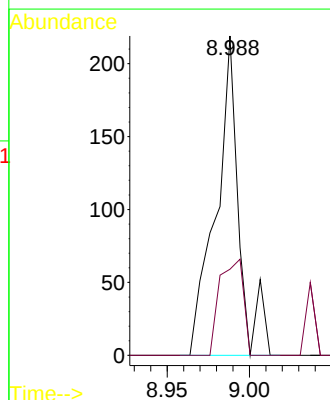
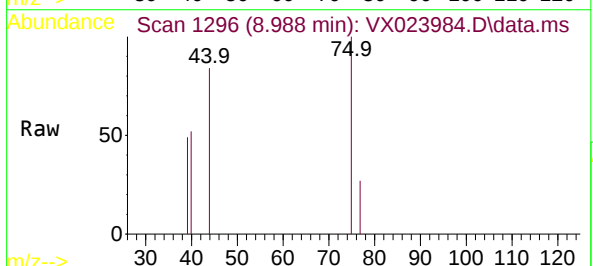
Instrument :
MSVOA_X
ClientSampled :

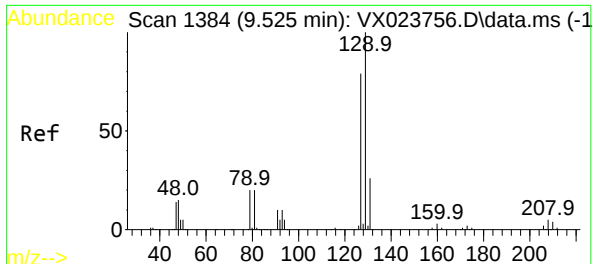
Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
58 172.6 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.214 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion: 75 Resp: 213
Ion Ratio Lower Upper
75 100
77 26.9 24.9 37.3





#60

Dibromochloromethane

Concen: 1.709 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023984.D

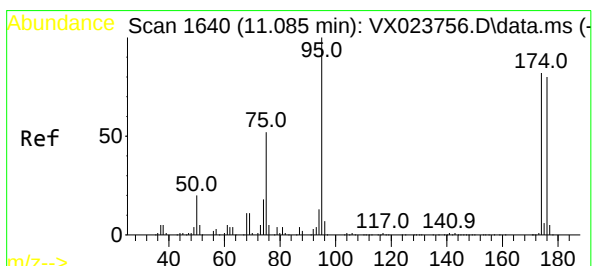
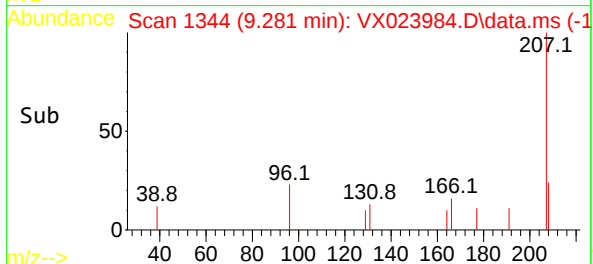
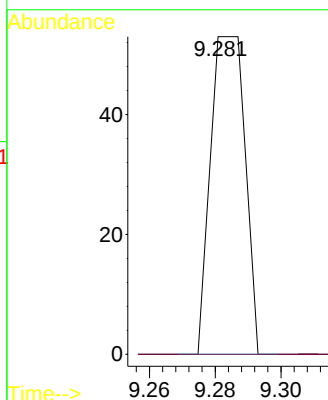
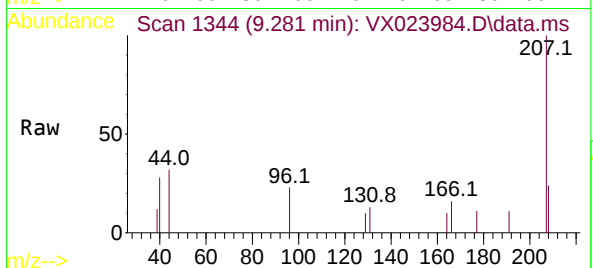
Acq: 27 Aug 2021 12:00

Tgt Ion:129 Resp: 39

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.066 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023984.D

Acq: 27 Aug 2021 12:00

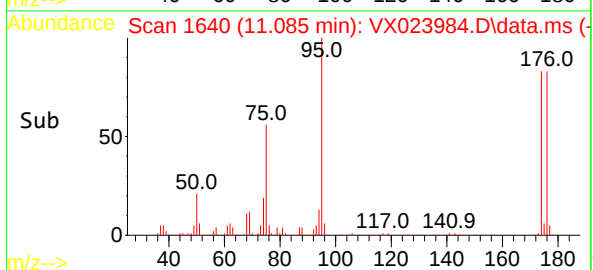
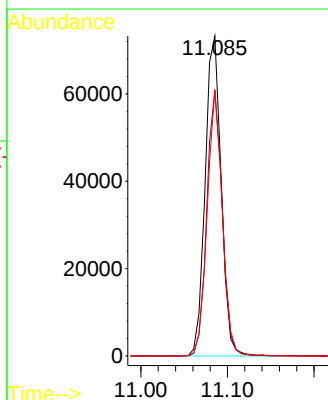
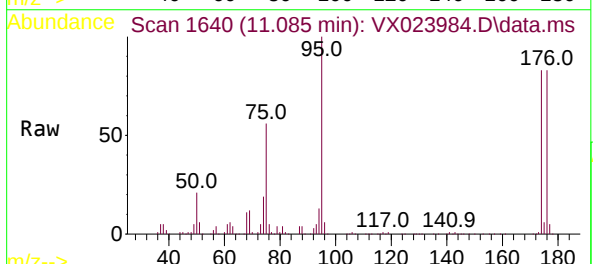
Tgt Ion: 95 Resp: 94236

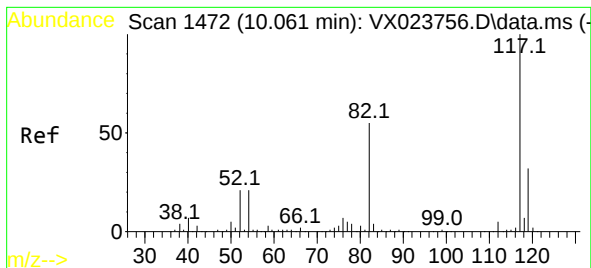
Ion Ratio Lower Upper

95 100

174 80.4 0.0 154.6

176 78.3 0.0 155.8

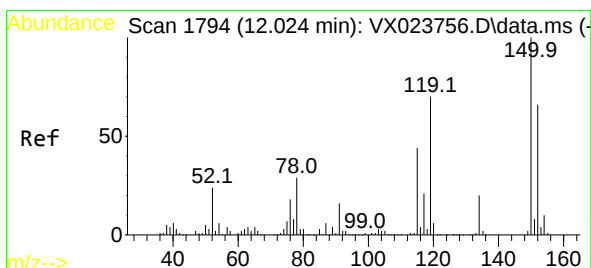
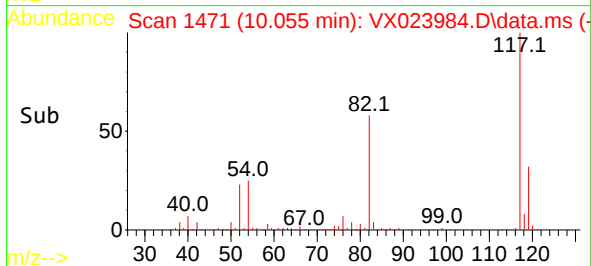
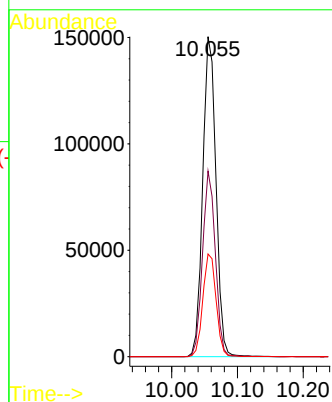
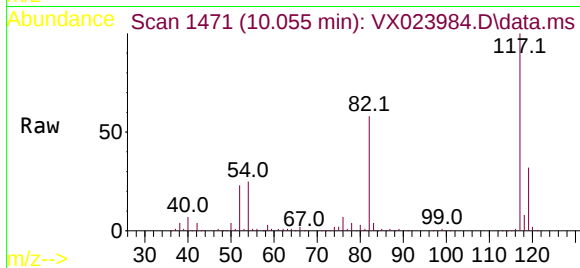




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

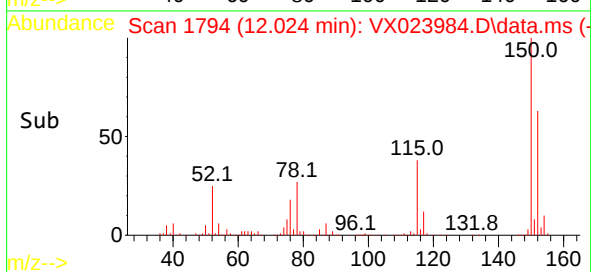
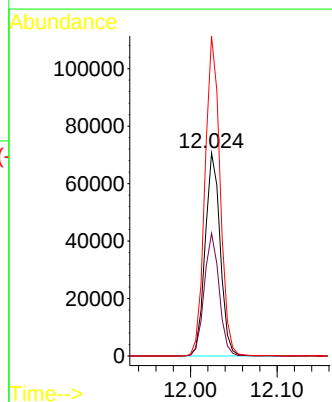
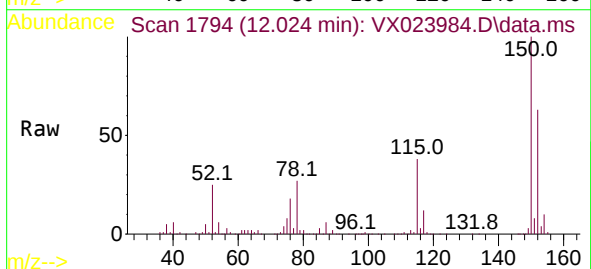
Instrument :
MSVOA_X
ClientSampled :

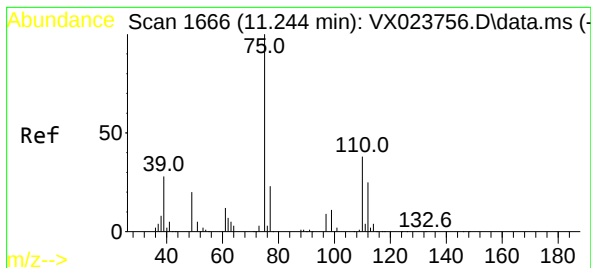
Tgt Ion:117 Resp: 209818
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion:152 Resp: 84844
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 158.6 0.0 349.0

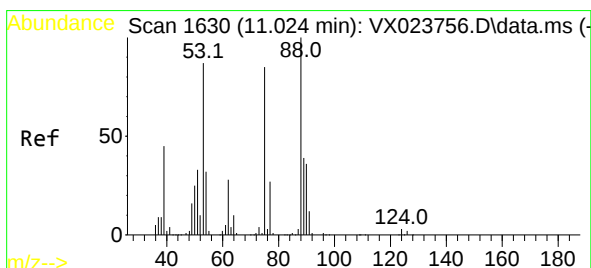
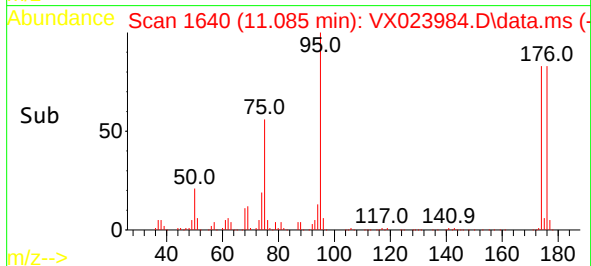
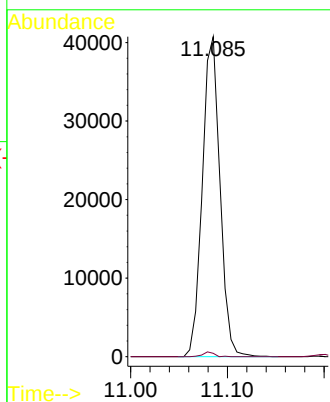
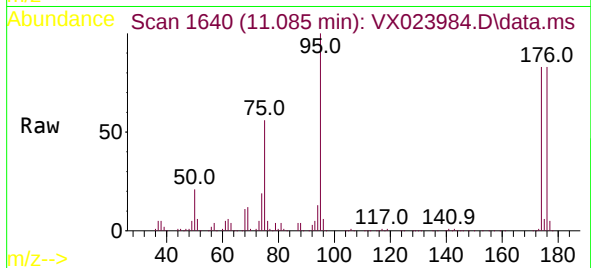




#76
1,2,3-Trichloropropane
Concen: 26.157 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

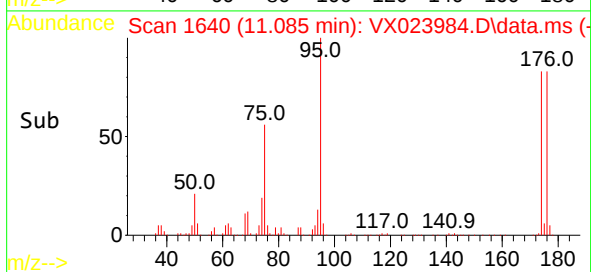
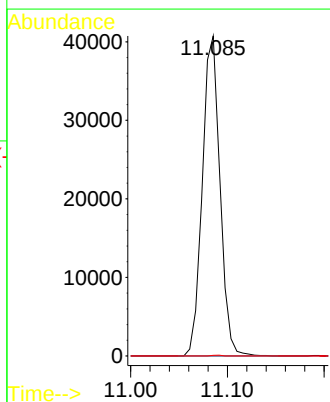
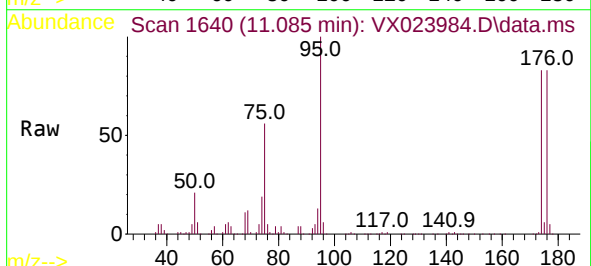
Instrument :
MSVOA_X
ClientSampled :

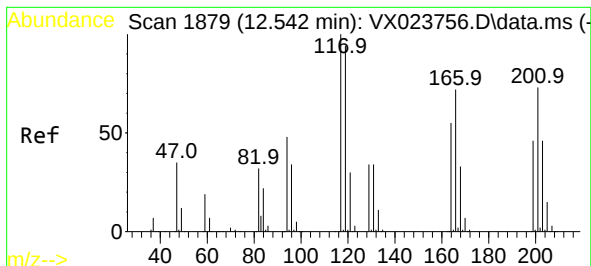
Tgt Ion: 75 Resp: 51770
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.942 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

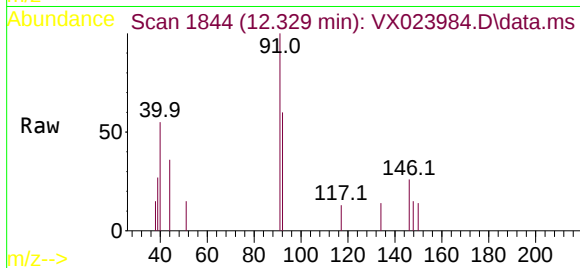
Tgt Ion: 75 Resp: 51770
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



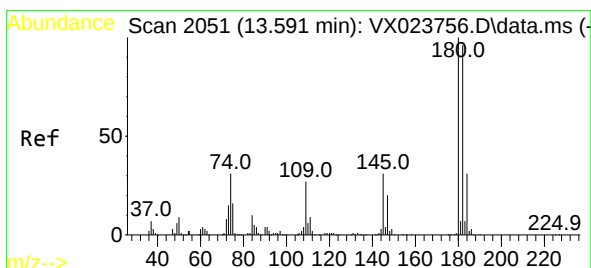
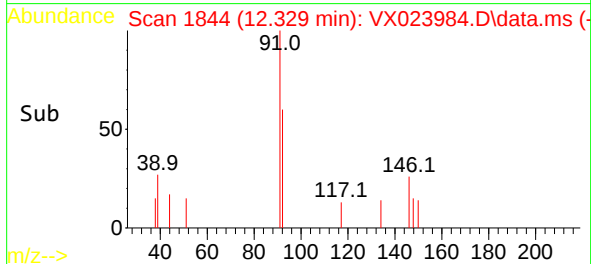
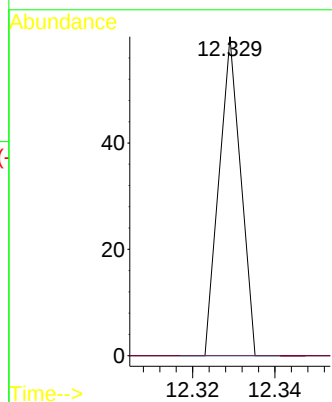


#90
Hexachloroethane
Concen: 1.489 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.213 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Instrument :
MSVOA_X
ClientSampled :

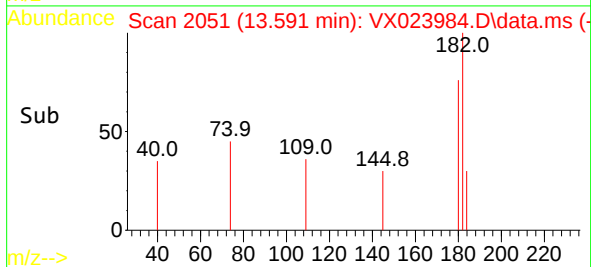
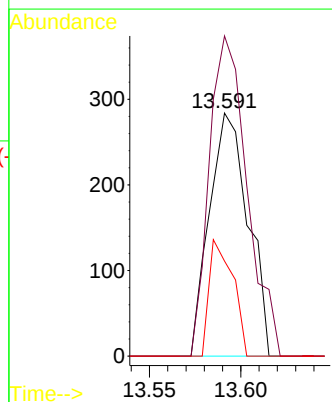
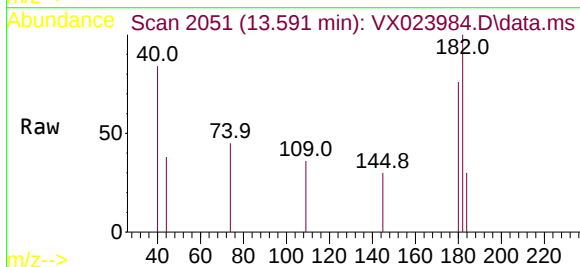


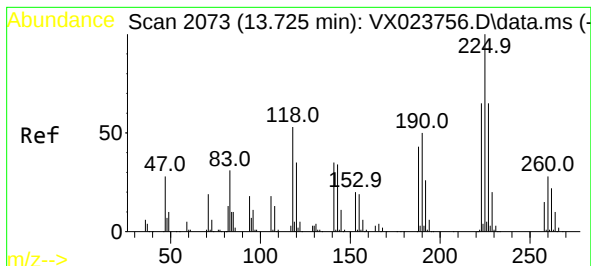
Tgt Ion:117 Resp: 22
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.249 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion:180 Resp: 419
Ion Ratio Lower Upper
180 100
182 128.9 47.7 143.1
145 29.4 15.0 45.0

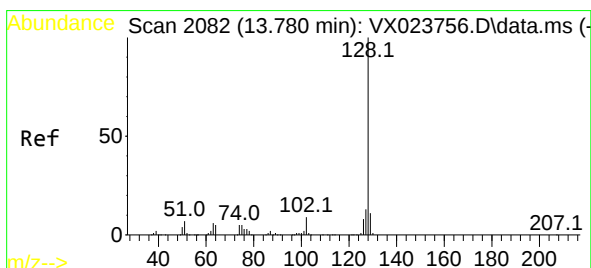
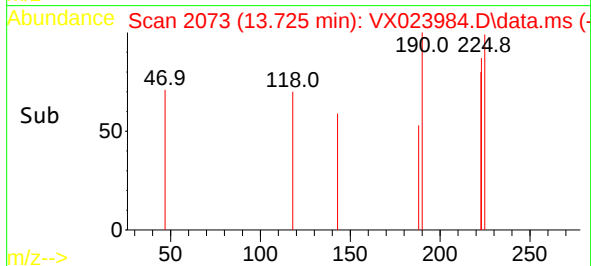
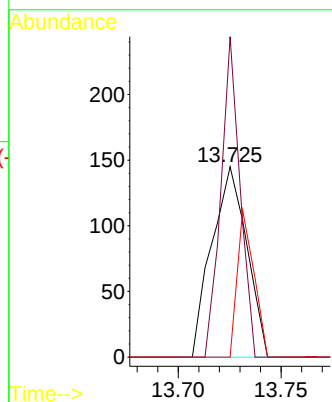
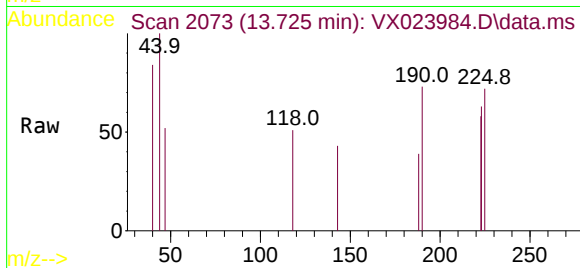




#94
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	225	Resp:	172
Ion	Ratio	Lower	Upper
225	100		
223	91.9	31.1	93.2
227	36.6	31.6	95.0



#95
Naphthalene
Concen: 1.427 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023984.D
Acq: 27 Aug 2021 12:00

Tgt Ion:	128	Resp:	918
Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.3	15.5#
129	7.7	8.8	13.2#

