

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023679.D
 Acq On : 13 Aug 2021 10:32
 Operator : JC/MD
 Sample : VX0813MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:21:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

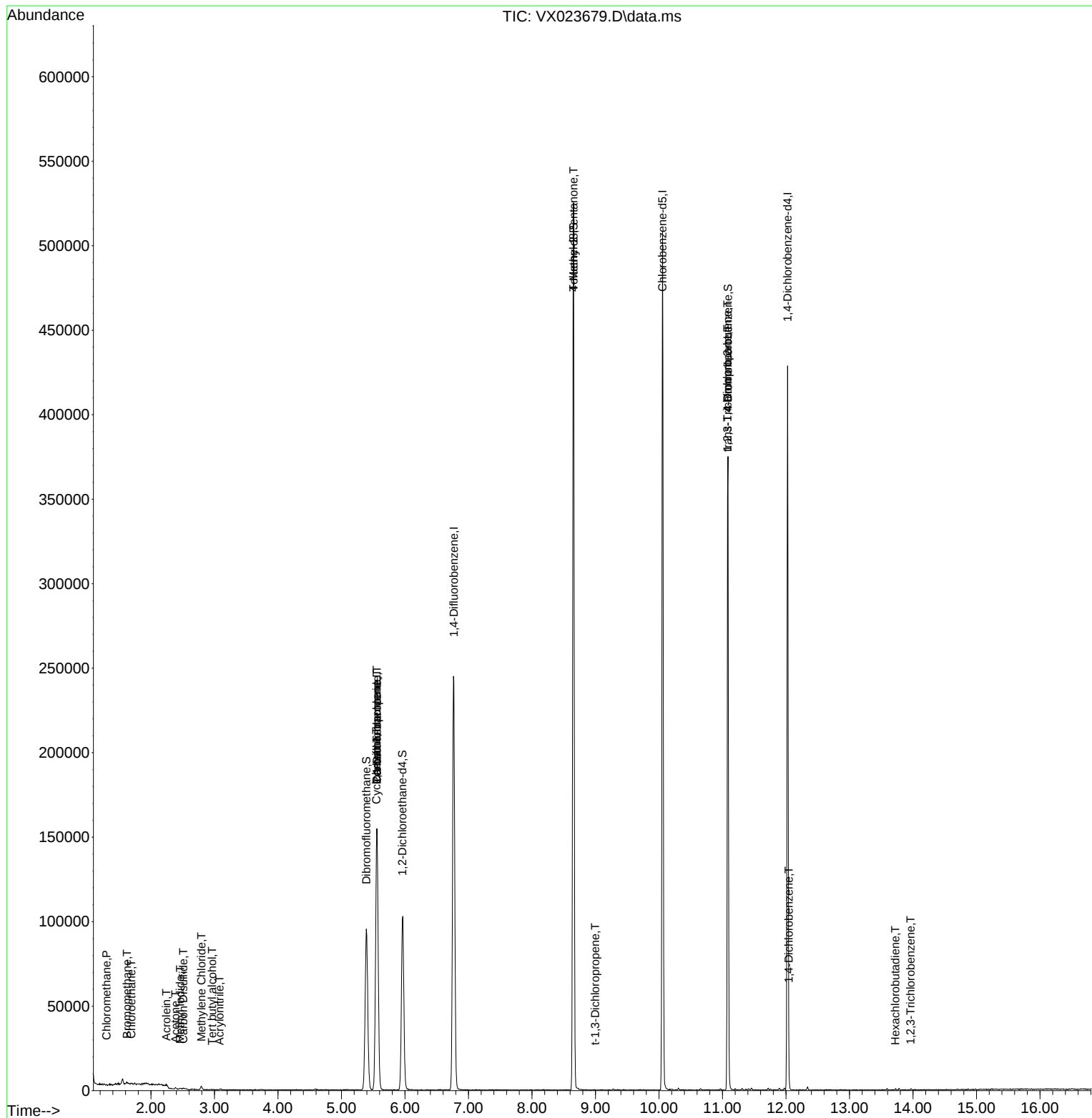
Internal Standards						
1) Pentafluorobenzene	5.556	168	145453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	247545	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101227	55.791	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 111.580%		
35) Dibromofluoromethane	5.391	113	81339	52.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 105.100%		
50) Toluene-d8	8.653	98	299852	52.730	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 105.460%		
62) 4-Bromofluorobenzene	11.086	95	95336	49.304	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 98.600%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	611	0.392	ug/l #	82
5) Bromomethane	1.624	94	731	0.780	ug/l #	76
6) Chloroethane	1.691	64	407	0.420	ug/l #	43
10) Methyl Iodide	2.459	142	1111	0.616	ug/l #	93
11) Tert butyl alcohol	2.965	59	127	0.306	ug/l #	73
13) Acrolein	2.240	56	162	2.128	ug/l #	71
15) Acrylonitrile	3.081	53	233	0.249	ug/l #	67
16) Acetone	2.386	43	1029	1.156	ug/l	95
17) Carbon Disulfide	2.508	76	965	0.274	ug/l #	75
20) Methylene Chloride	2.794	84	915	0.529	ug/l #	75
31) Cyclohexane	5.550	56	3281	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11408	5.094	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15164	6.659	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1564	0.584	ug/l #	1
53) t-1,3-Dichloropropene	8.994	75	126	1.861	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	50986	28.183	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50986	75.779	ug/l #	12
88) 1,4-Dichlorobenzene	12.043	146	588	0.209	ug/l #	1
94) Hexachlorobutadiene	13.719	225	202	0.267	ug/l	82
96) 1,2,3-Trichlorobenzene	13.963	180	341	0.200	ug/l #	75

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

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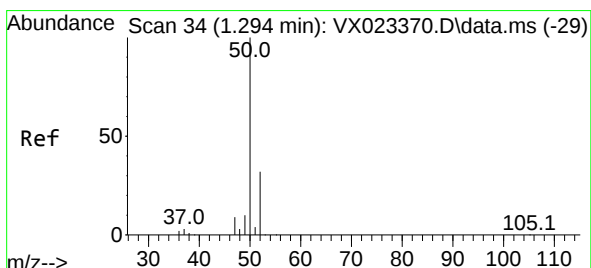
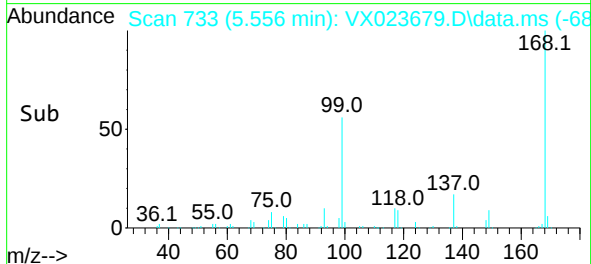
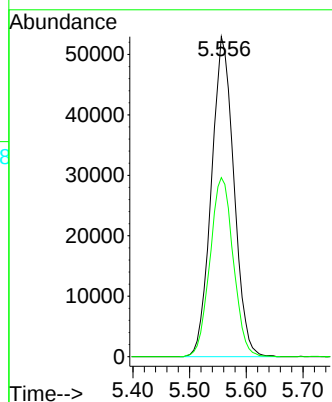
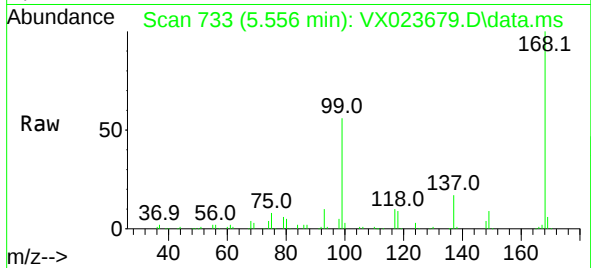




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

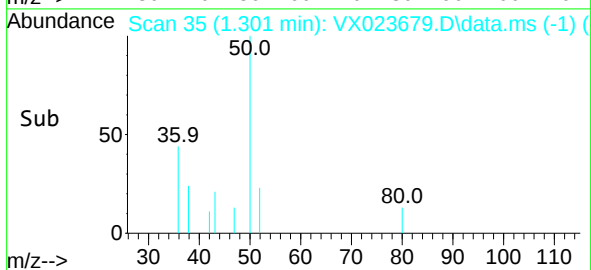
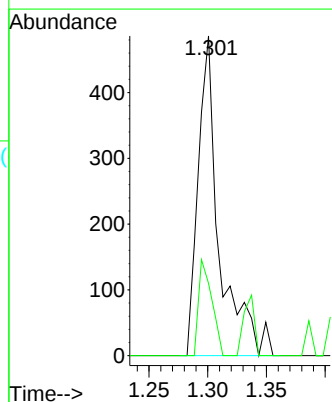
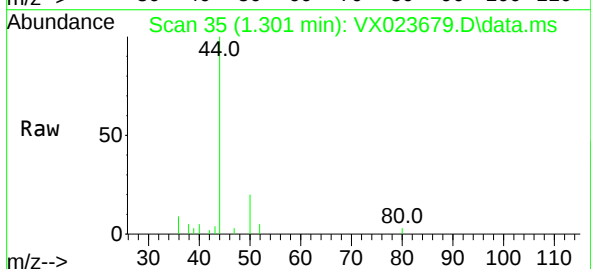
Instrument :
MSVOA_X
ClientSampleId :

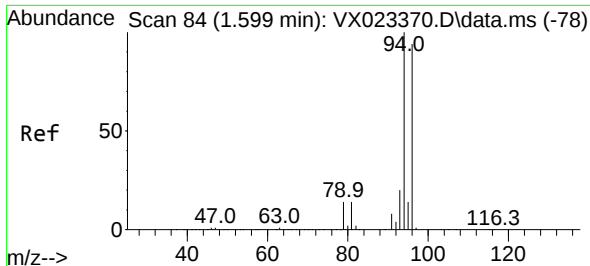
Tgt Ion:168 Resp: 145453
Ion Ratio Lower Upper
168 100
99 55.9 45.8 68.6



#3
Chloromethane
Concen: 0.392 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 50 Resp: 611
Ion Ratio Lower Upper
50 100
52 22.6 26.4 39.6#

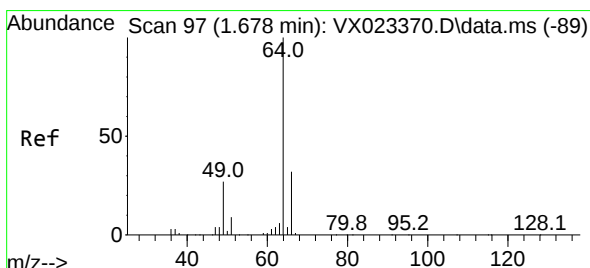
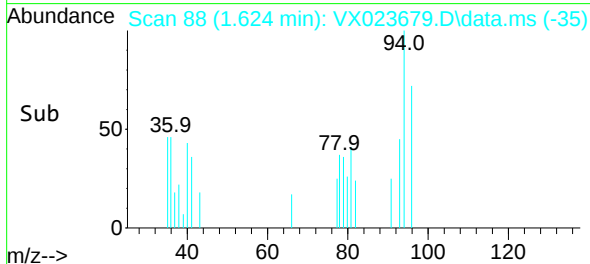
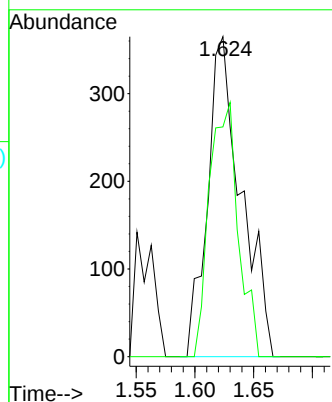
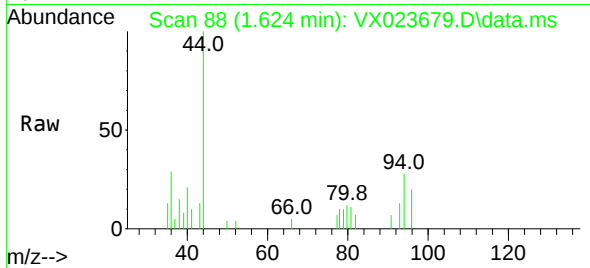




#5
Bromomethane
Concen: 0.780 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

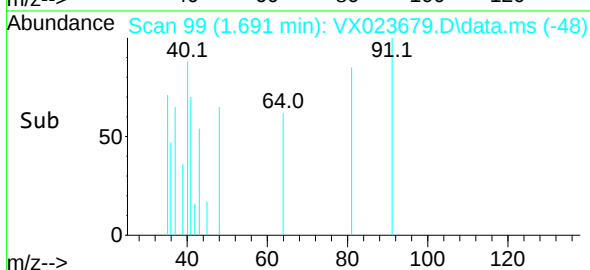
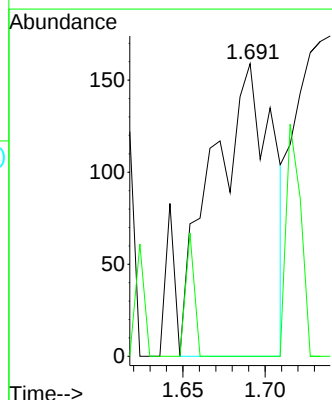
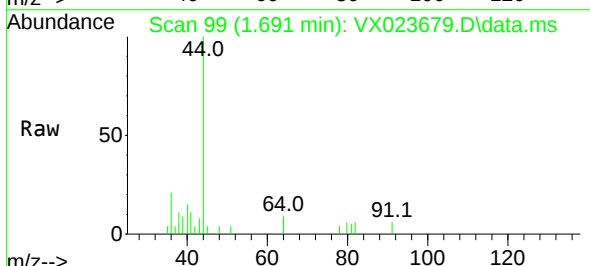
Instrument :
MSVOA_X
ClientSampled :

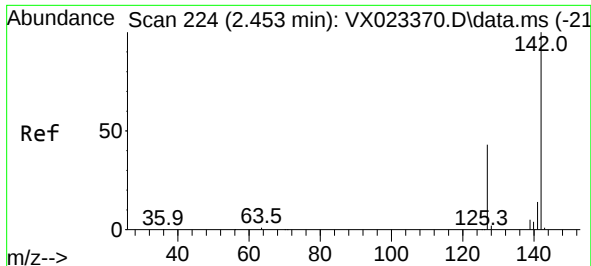
Tgt Ion: 94 Resp: 731
Ion Ratio Lower Upper
94 100
96 71.8 76.4 114.6#



#6
Chloroethane
Concen: 0.420 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

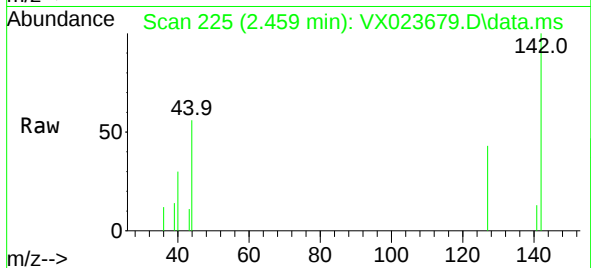
Tgt Ion: 64 Resp: 407
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



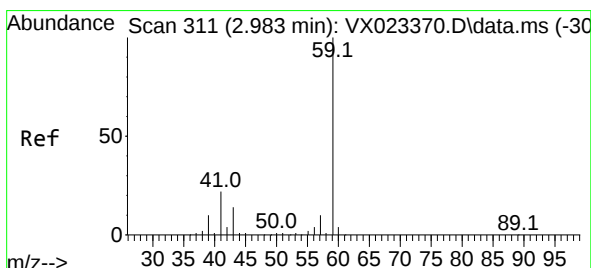
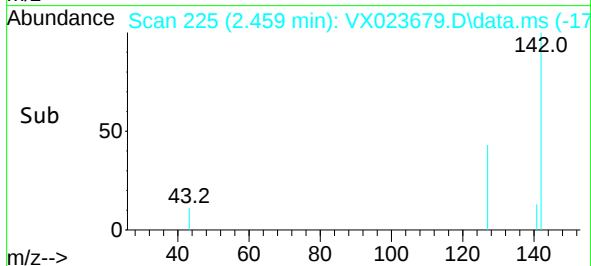
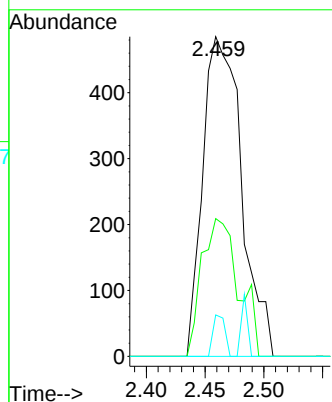


#10
Methyl Iodide
Concen: 0.616 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Instrument :
MSVOA_X
ClientSampleId :

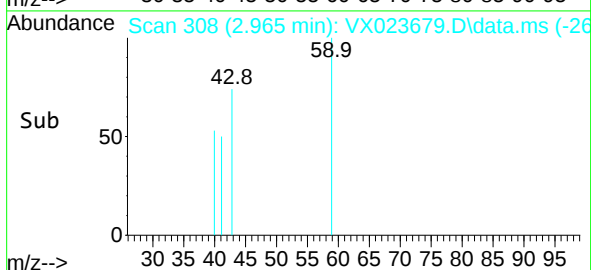
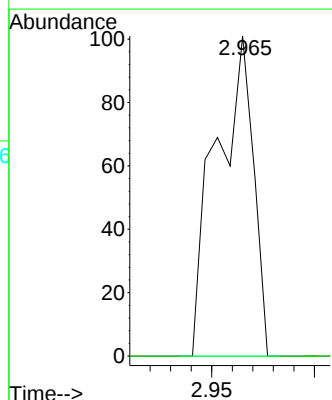
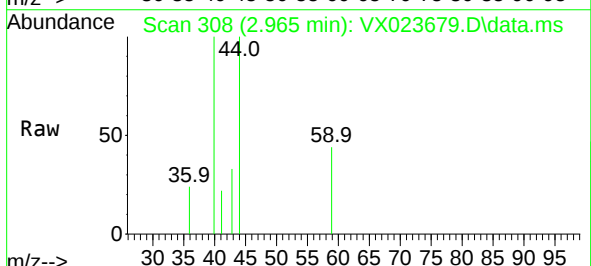


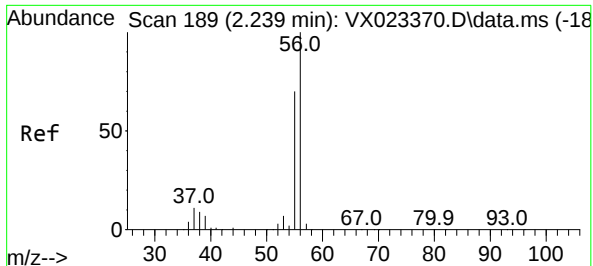
Tgt Ion:142 Resp: 1111
Ion Ratio Lower Upper
142 100
127 40.9 33.3 49.9
141 4.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.306 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

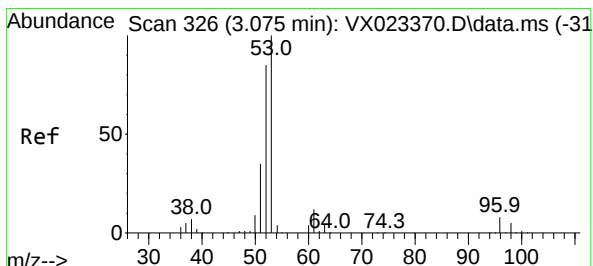
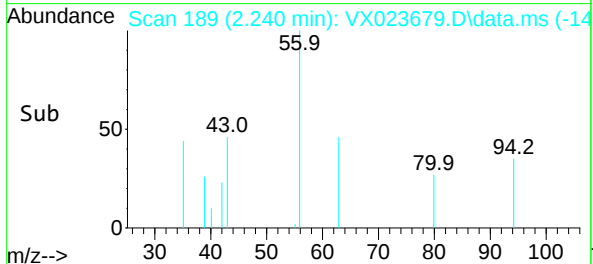
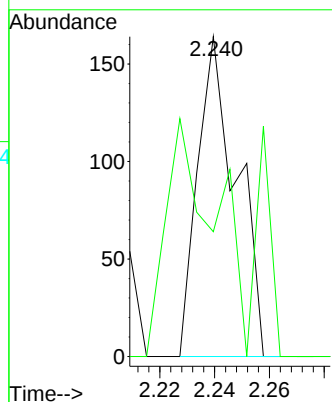
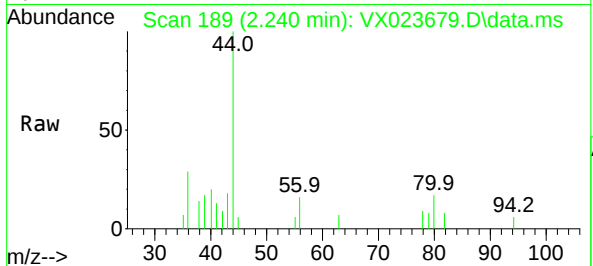




#13
Acrolein
Concen: 2.128 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.001 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

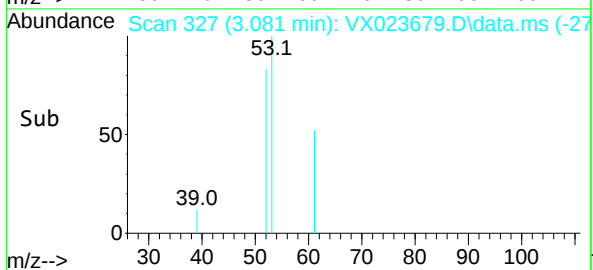
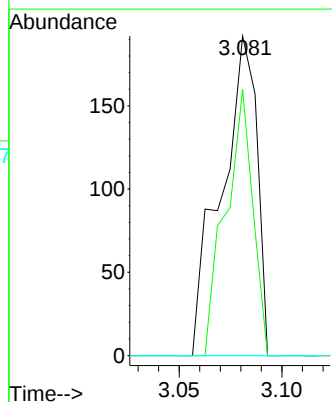
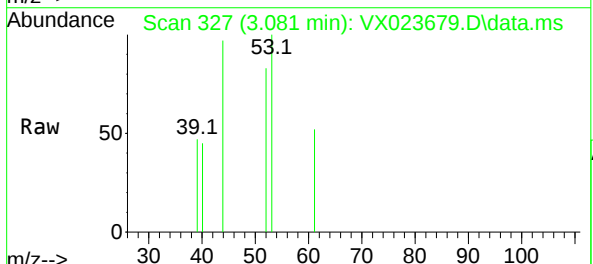
Instrument :
MSVOA_X
ClientSampleId :

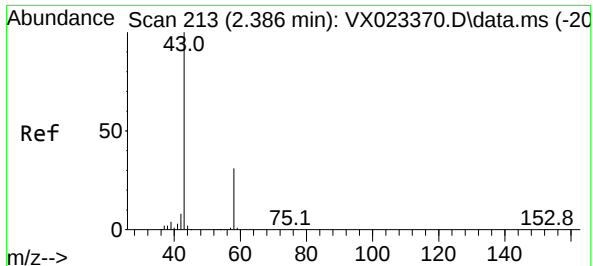
Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 94.4 56.4 84.6#



#15
Acrylonitrile
Concen: 0.249 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 53 Resp: 233
Ion Ratio Lower Upper
53 100
52 63.1 65.3 97.9#
51 0.0 28.2 42.2#

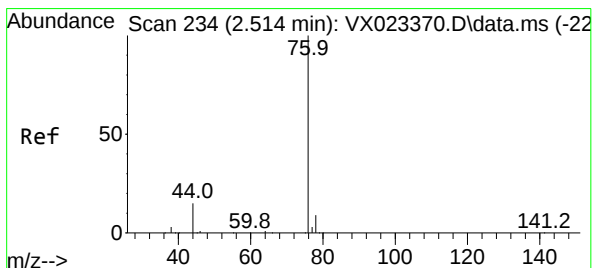
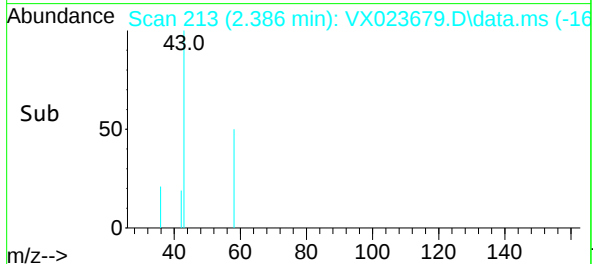
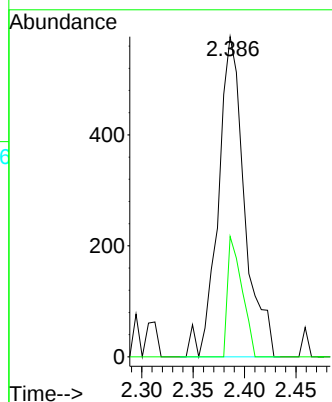
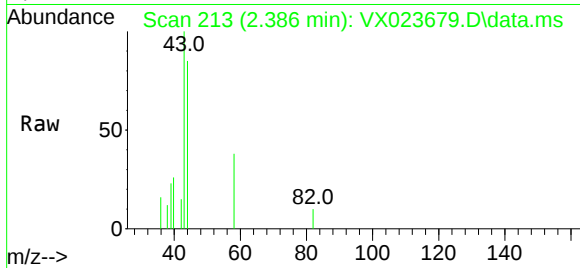




#16
Acetone
Concen: 1.156 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

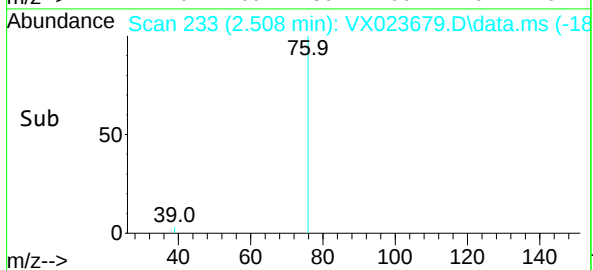
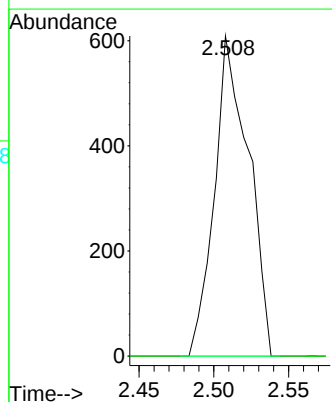
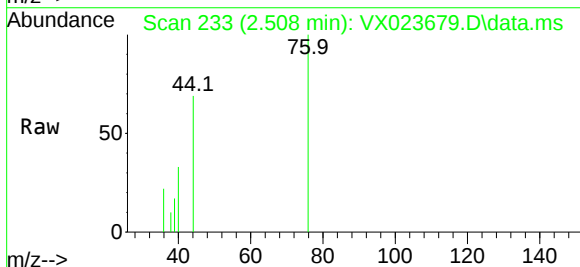
Instrument :
MSVOA_X
ClientSampled :

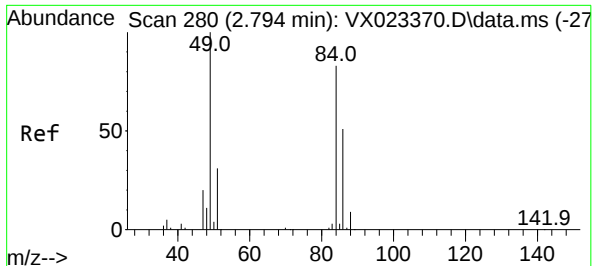
Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
58 37.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.274 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 76 Resp: 965
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.529 ug/l

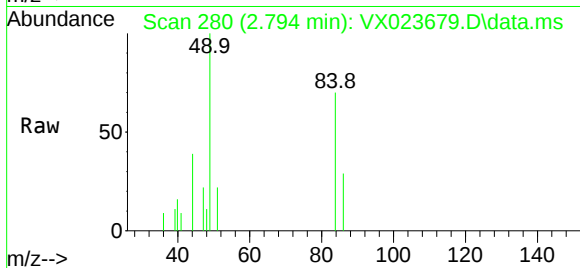
RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

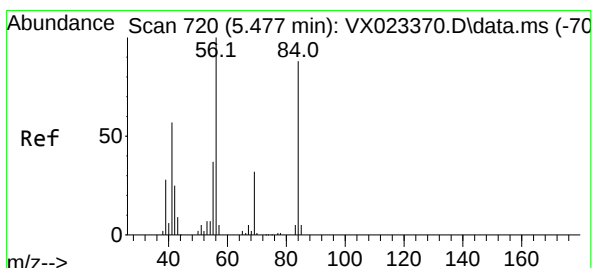
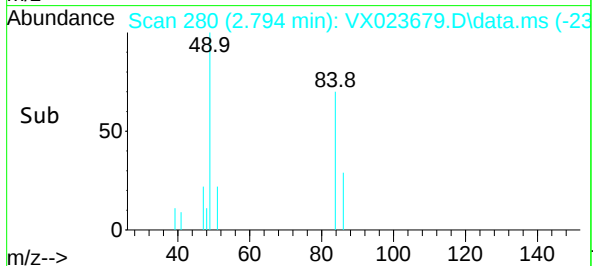
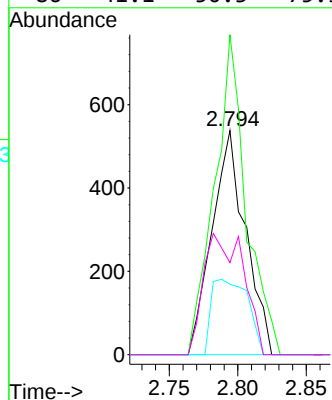
Lab File: VX023679.D

Acq: 13 Aug 2021 10:32

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	84	Resp:	915
Ion	Ratio	Lower	Upper
84	100		
49	142.8	88.6	132.8#
51	31.4	27.0	40.6
86	41.1	50.3	75.5#



#31

Cyclohexane

Concen: 1.221 ug/l

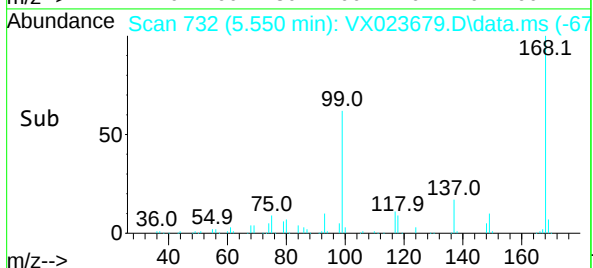
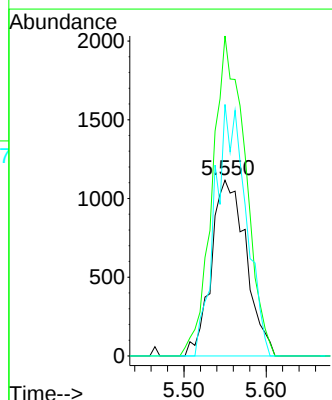
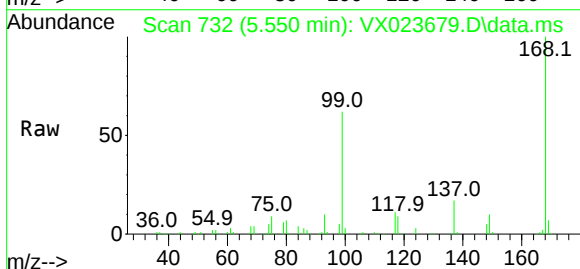
RT: 5.550 min Scan# 732

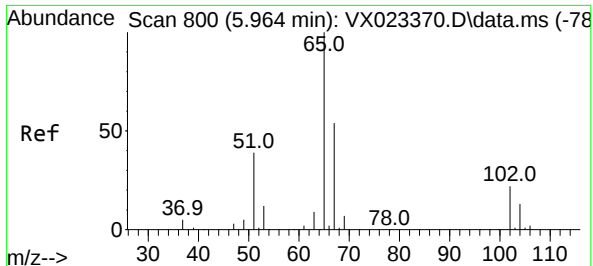
Delta R.T. 0.073 min

Lab File: VX023679.D

Acq: 13 Aug 2021 10:32

Tgt Ion:	56	Resp:	3281
Ion	Ratio	Lower	Upper
56	100		
69	182.1	25.3	37.9#
84	143.1	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 55.791 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

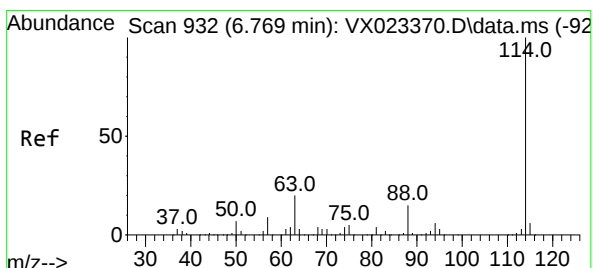
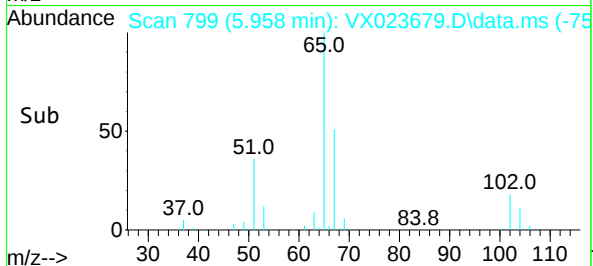
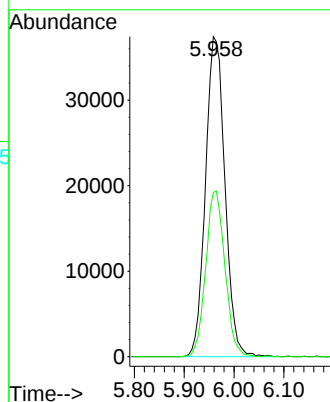
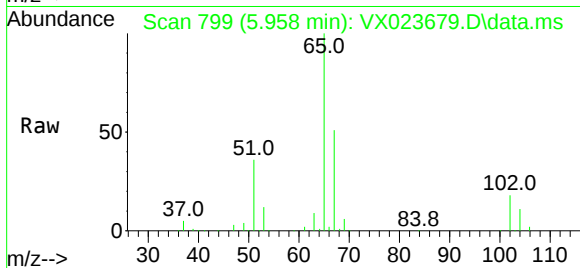
Lab File: VX023679.D

Acq: 13 Aug 2021 10:32

Tgt Ion: 65 Resp: 101227

Ion Ratio Lower Upper

65	100		
67	51.3	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

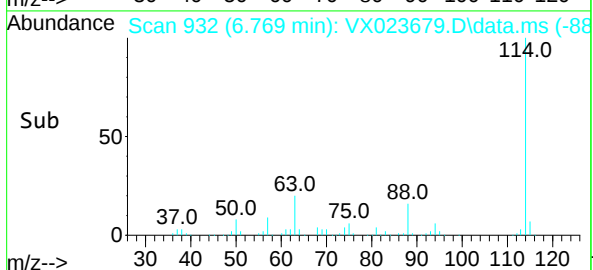
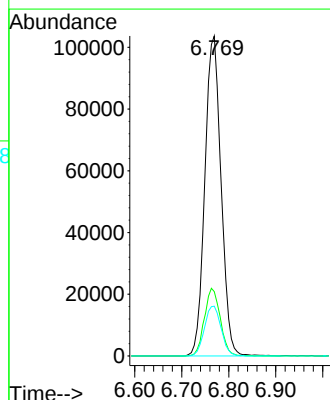
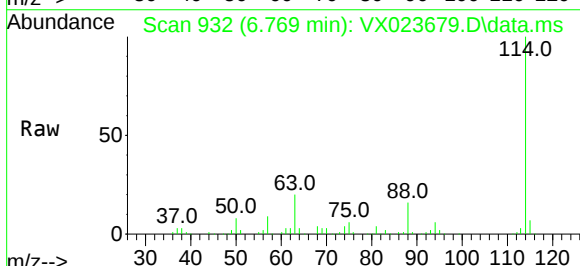
Lab File: VX023679.D

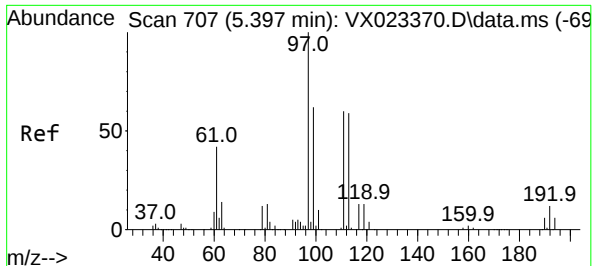
Acq: 13 Aug 2021 10:32

Tgt Ion: 114 Resp: 247545

Ion Ratio Lower Upper

114	100		
63	20.1	0.0	40.8
88	15.5	0.0	32.8





#35

Dibromofluoromethane

Concen: 52.553 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX023679.D

Acq: 13 Aug 2021 10:32

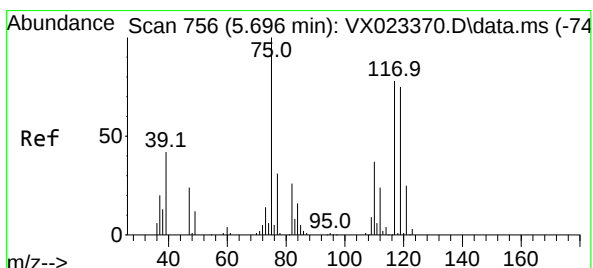
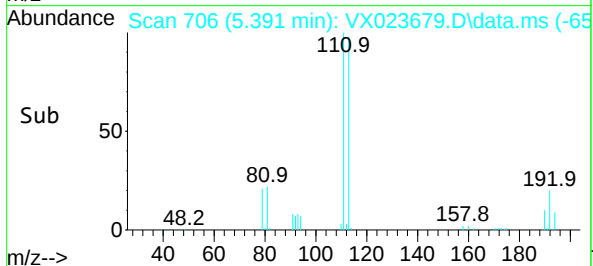
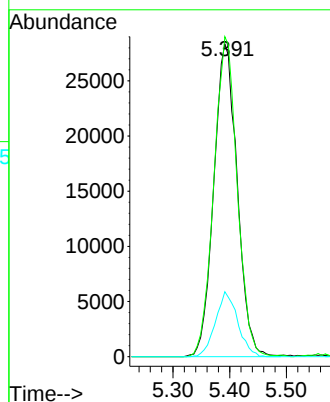
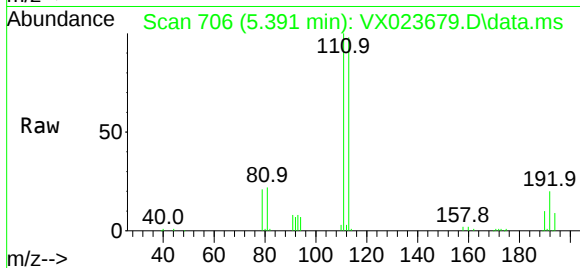
Tgt Ion:113 Resp: 81339

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.094 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023679.D

Acq: 13 Aug 2021 10:32

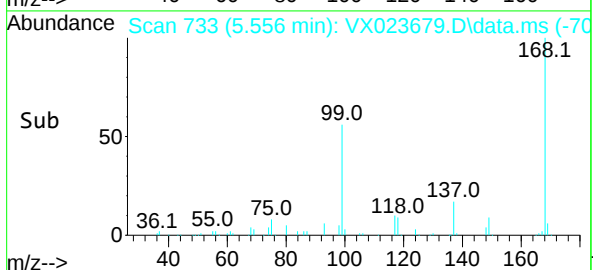
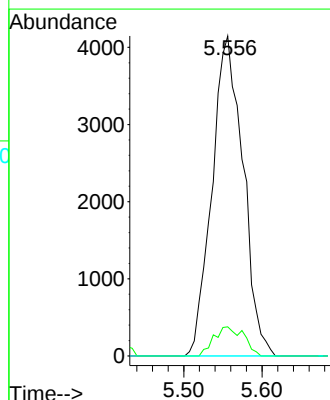
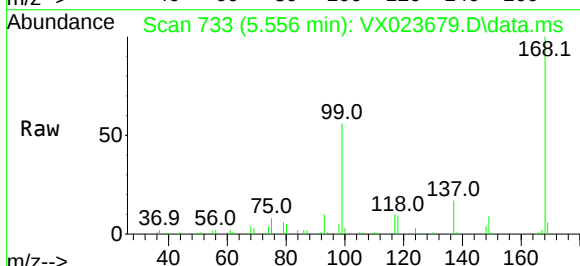
Tgt Ion: 75 Resp: 11408

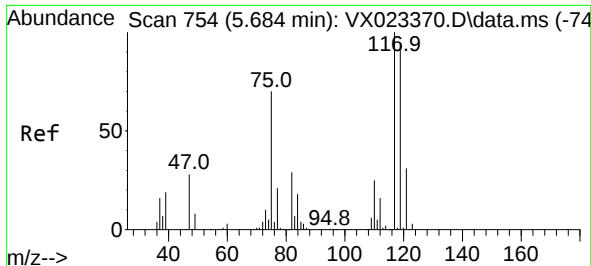
Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

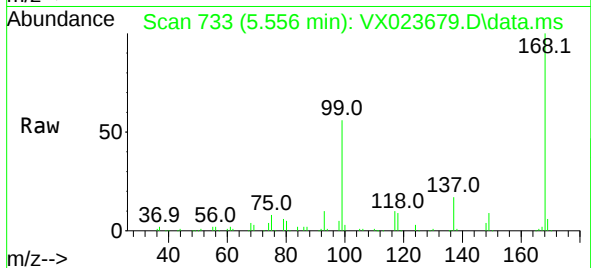
77 0.0 25.3 37.9#



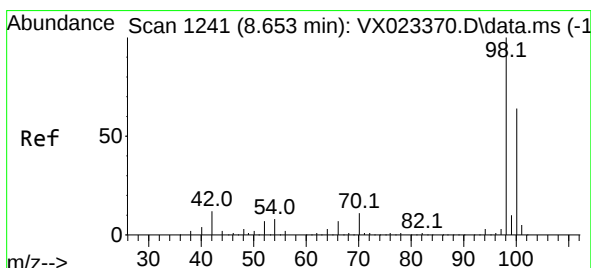
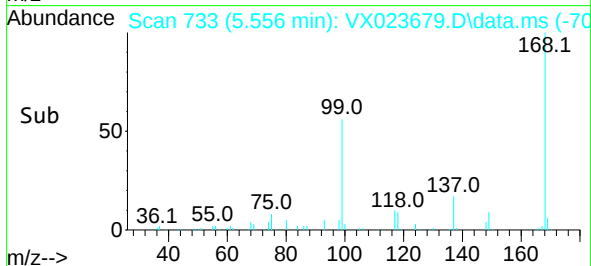
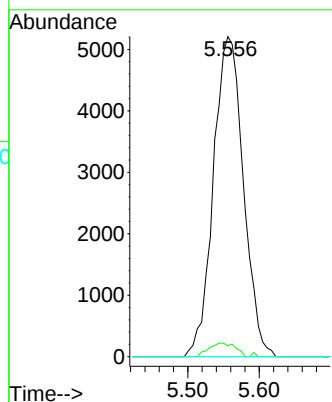


#38
Carbon Tetrachloride
Concen: 6.659 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Instrument :
MSVOA_X
ClientSampled :

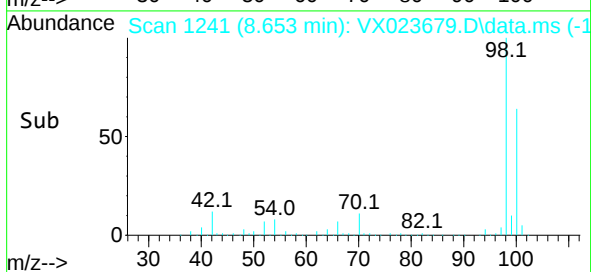
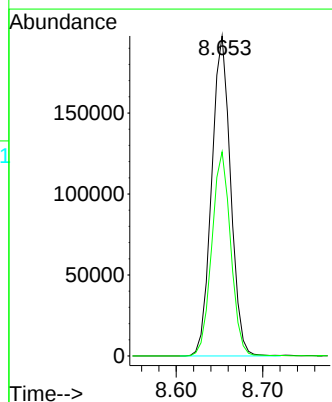
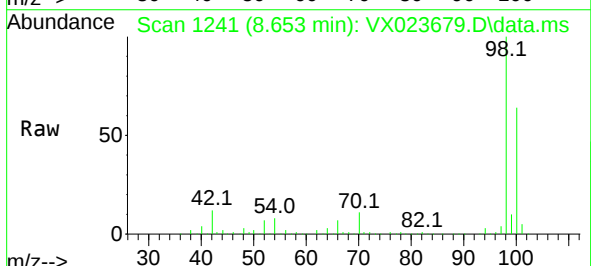


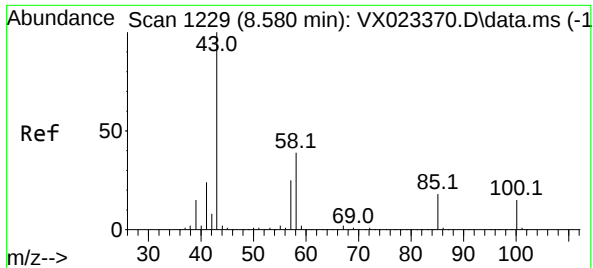
Tgt Ion:117 Resp: 15164
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.730 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 98 Resp: 299852
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

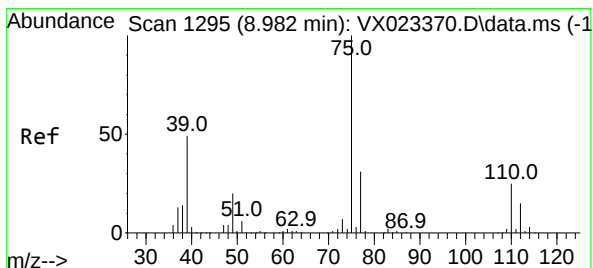
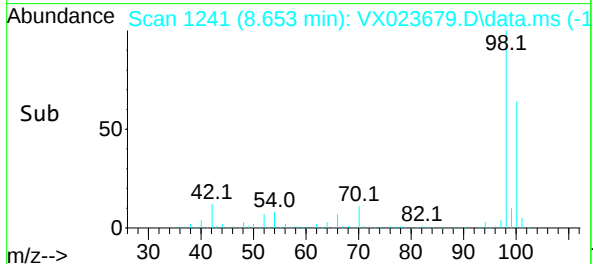
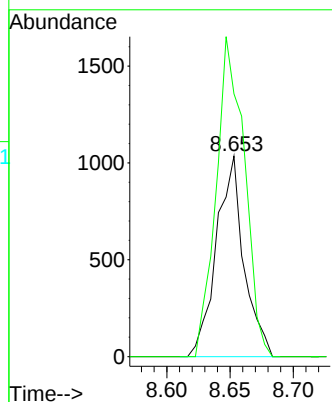
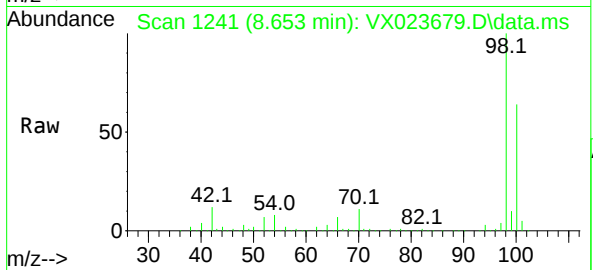




#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

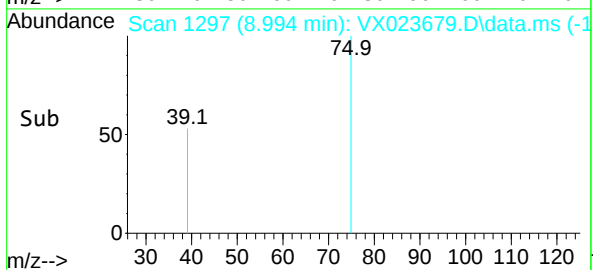
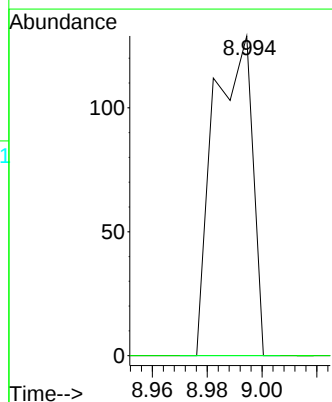
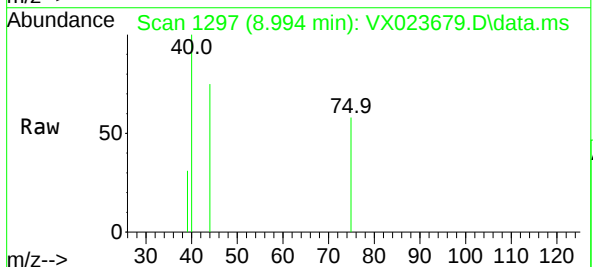
Instrument :
MSVOA_X
ClientSampled :

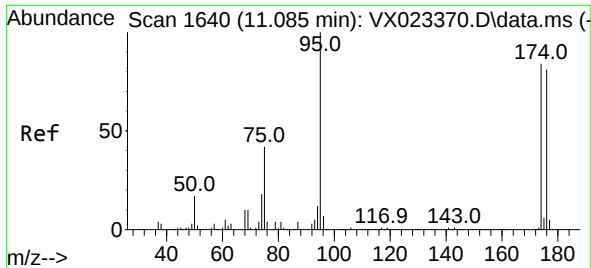
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 164.3 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.861 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 75 Resp: 126
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

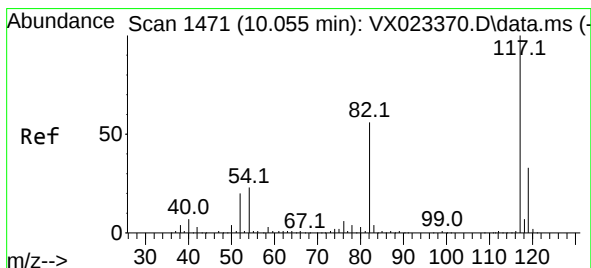
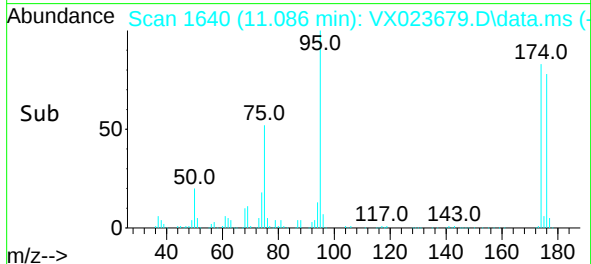
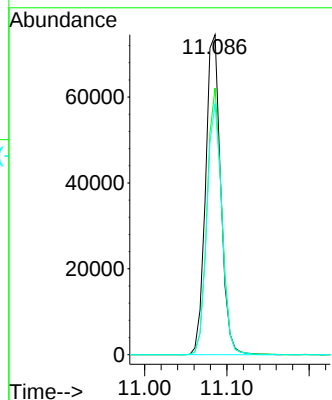
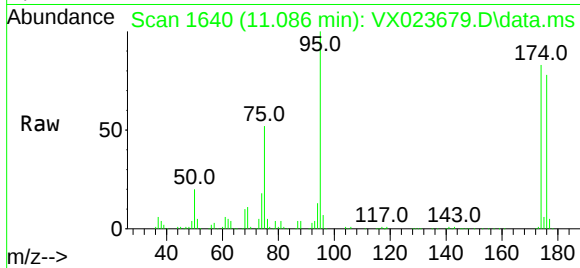




#62
4-Bromofluorobenzene
Concen: 49.304 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

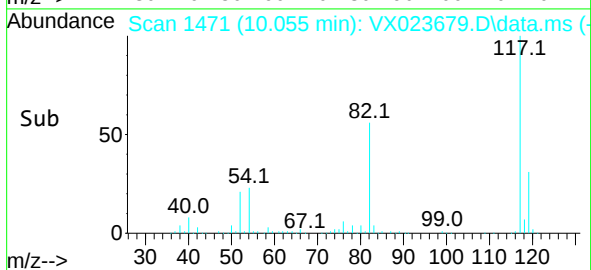
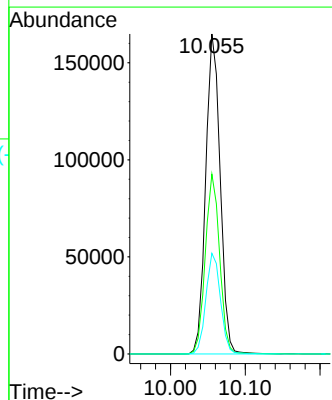
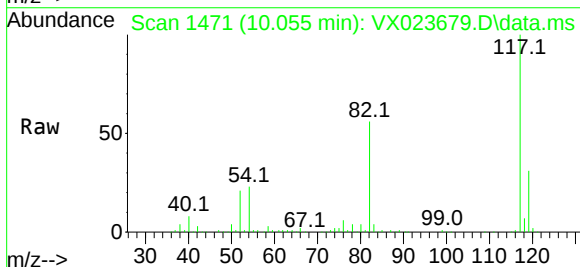
Instrument :
MSVOA_X
ClientSampleId :

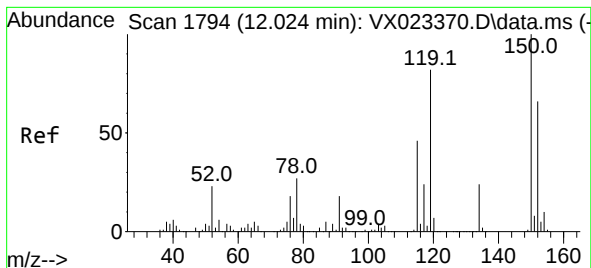
Tgt Ion: 95 Resp: 95336
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 77.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion: 117 Resp: 221457
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 31.5 26.6 39.8

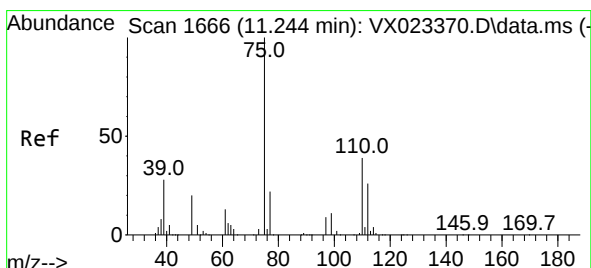
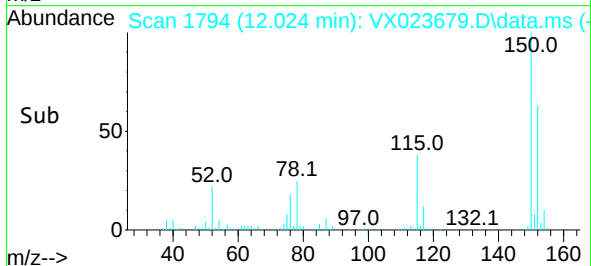
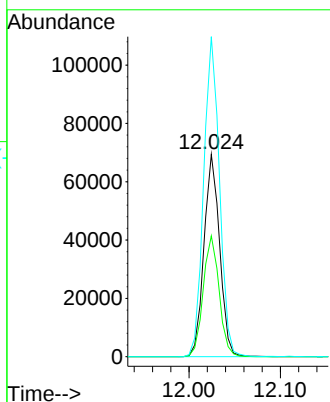
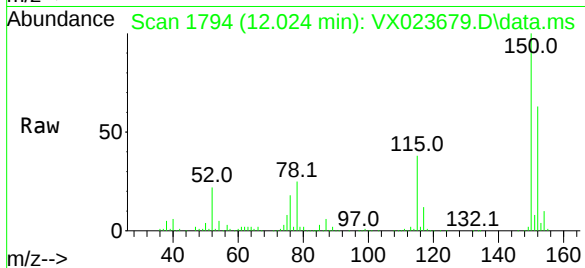




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023679.D
 Acq: 13 Aug 2021 10:32

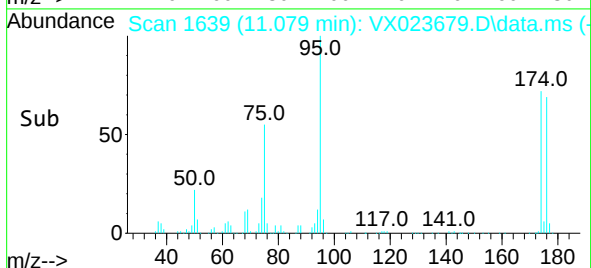
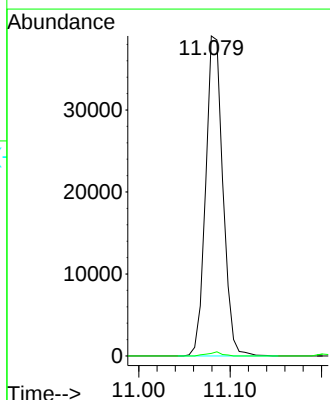
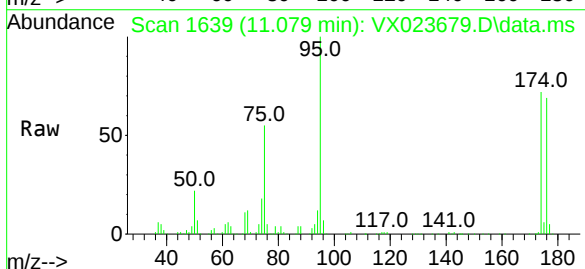
Instrument :
 MSVOA_X
 ClientSampleId :

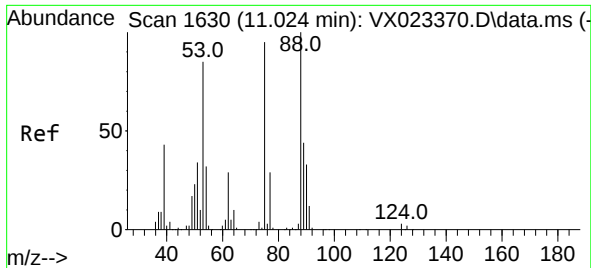
Tgt Ion:152 Resp: 82212
 Ion Ratio Lower Upper
 152 100
 115 60.6 41.1 123.3
 150 159.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.183 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX023679.D
 Acq: 13 Aug 2021 10:32

Tgt Ion: 75 Resp: 50986
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

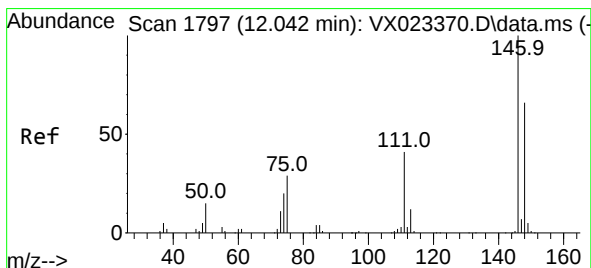
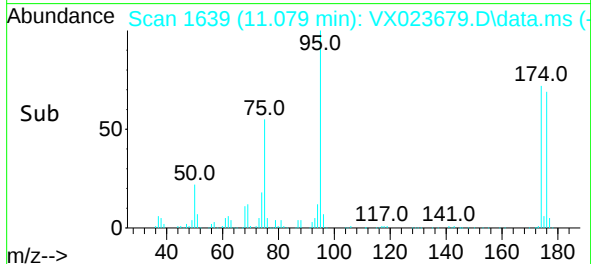
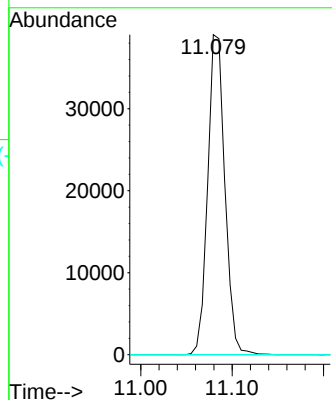
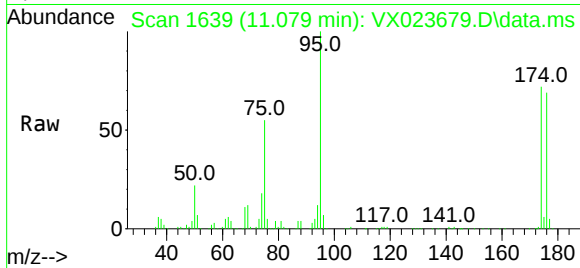




#81
trans-1,4-Dichloro-2-butene
Concen: 75.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

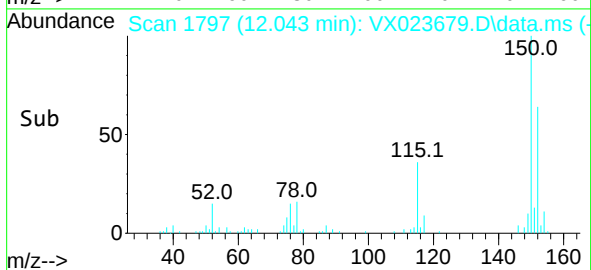
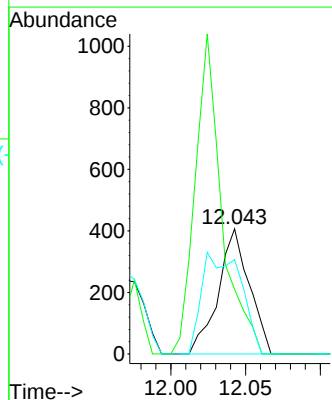
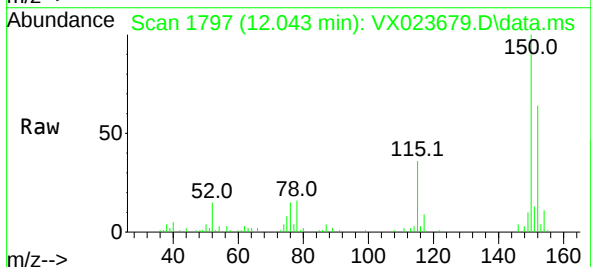
Instrument :
MSVOA_X
ClientSampleId :

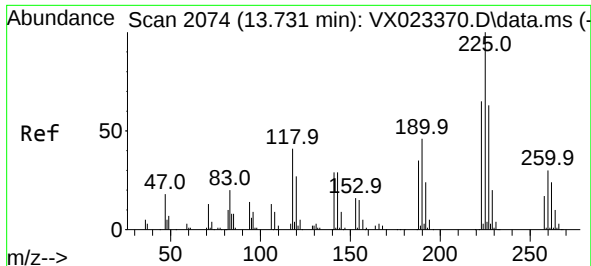
Tgt Ion: 75 Resp: 50986
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.209 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

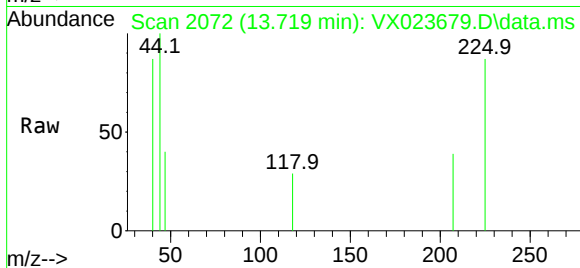
Tgt Ion:146 Resp: 588
Ion Ratio Lower Upper
146 100
111 217.9 19.6 58.8#
148 101.9 31.6 95.0#



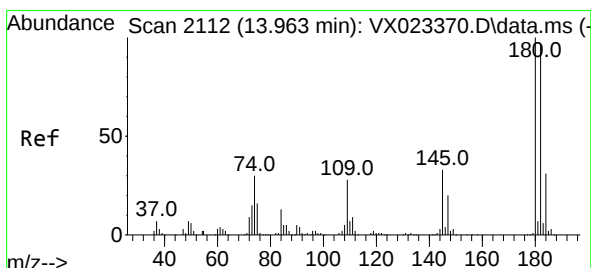
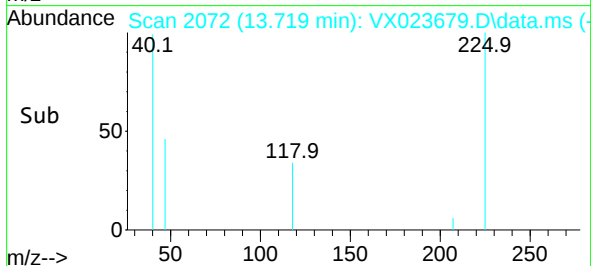
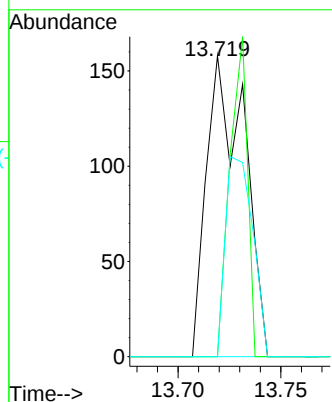


#94
Hexachlorobutadiene
Concen: 0.267 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.012 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:225 Resp: 202
Ion Ratio Lower Upper
225 100
223 49.5 31.1 93.2
227 48.0 31.6 95.0



#96
1,2,3-Trichlorobenzene
Concen: 0.200 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX023679.D
Acq: 13 Aug 2021 10:32

Tgt Ion:180 Resp: 341
Ion Ratio Lower Upper
180 100
182 74.5 47.6 142.9
145 11.7 16.1 48.3#

