

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023163.D
 Acq On : 07 Jul 2021 11:32
 Operator : JC/MD
 Sample : M2923-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

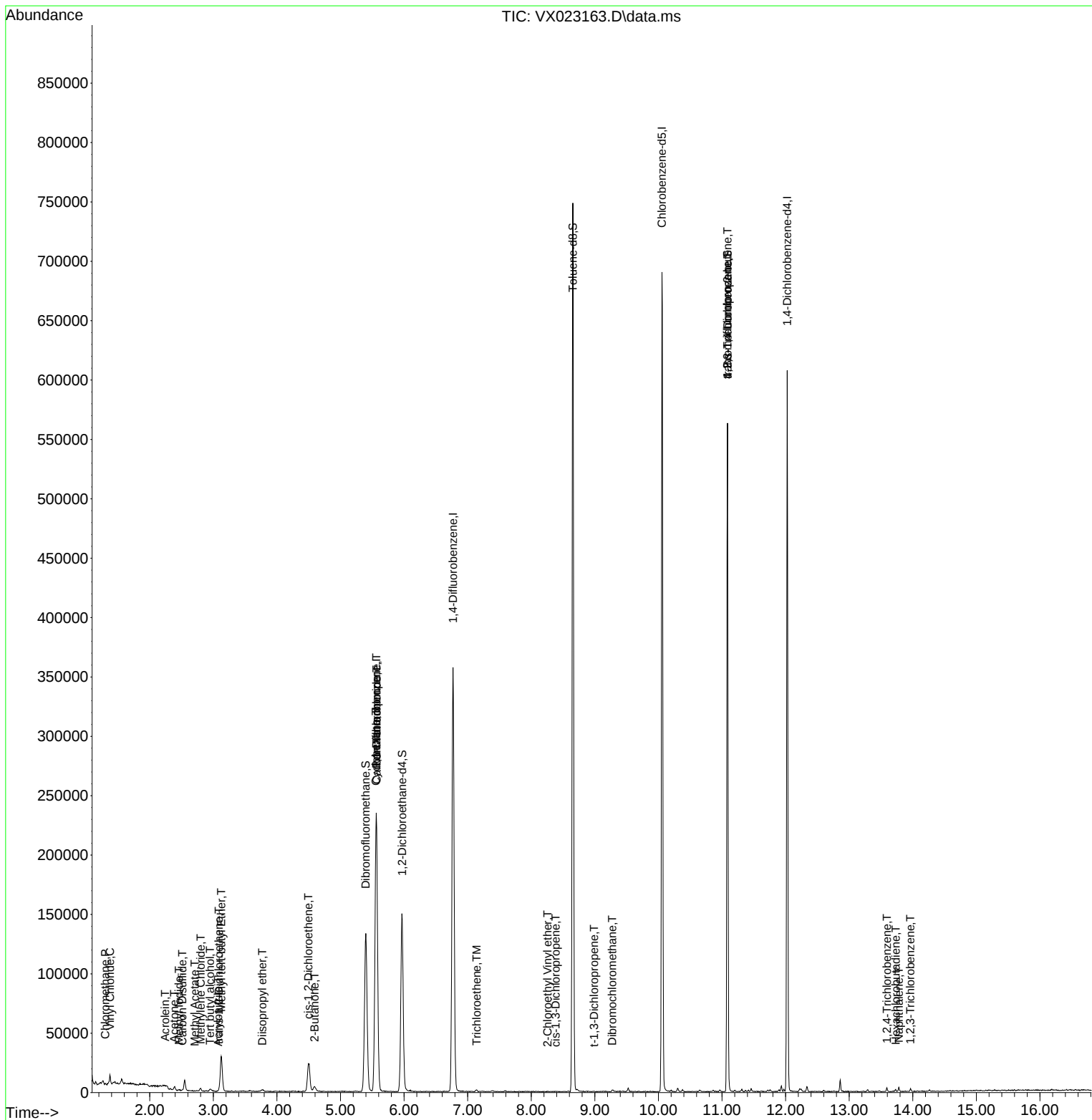
Quant Time: Jul 08 03:16:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

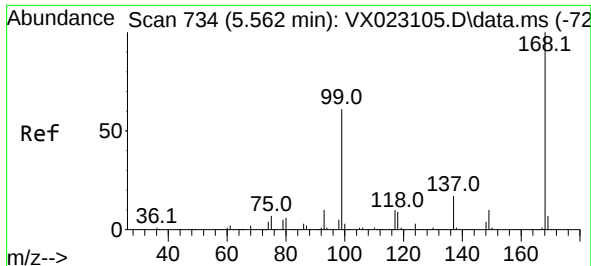
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	218071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	147882	50.457	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.920%			
35) Dibromofluoromethane	5.398	113	113799	49.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	8.653	98	424942	49.557	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.120%			
62) 4-Bromofluorobenzene	11.086	95	145404	43.924	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.840%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	675	0.345	ug/l	98
4) Vinyl Chloride	1.374	62	4104	1.982	ug/l	96
5) Bromomethane	1.575	94	150	Below Cal	#	2
10) Methyl Iodide	2.459	142	899	0.348	ug/l #	86
11) Tert butyl alcohol	2.947	59	1383	2.243	ug/l #	73
13) Acrolein	2.240	56	225	0.548	ug/l #	14
15) Acrylonitrile	3.075	53	354	0.295	ug/l #	83
16) Acetone	2.386	43	4190	3.613	ug/l #	80
17) Carbon Disulfide	2.514	76	1214	0.296	ug/l #	94
18) Methyl Acetate	2.709	43	841	0.299	ug/l #	47
19) Methyl tert-butyl Ether	3.124	73	31398	4.319	ug/l	99
20) Methylene Chloride	2.800	84	986	0.395	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	559	0.266	ug/l #	47
22) Diisopropyl ether	3.770	45	1507	0.212	ug/l #	66
25) 2-Butanone	4.593	43	699	0.400	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	14782	5.813	ug/l	94
31) Cyclohexane	5.556	56	5116	1.458	ug/l #	34
36) 1,1-Dichloropropene	5.562	75	17581	5.540	ug/l #	50
38) Carbon Tetrachloride	5.568	117	23312	7.038	ug/l #	18
44) Trichloroethene	7.141	130	590	0.226	ug/l	55
53) t-1,3-Dichloropropene	8.988	75	243	2.794	ug/l #	44
54) cis-1,3-Dichloropropene	8.385	75	20	2.177	ug/l #	36
58) 2-Chloroethyl Vinyl ether	8.257	63	51	4.713	ug/l #	45
60) Dibromochloromethane	9.275	129	179	3.173	ug/l #	11
76) 1,2,3-Trichloropropane	11.086	75	76268	31.556	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	76268	84.480	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	832	0.342	ug/l	95
94) Hexachlorobutadiene	13.731	225	368	0.358	ug/l	87
95) Naphthalene	13.780	128	1886	1.481	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	672	0.275	ug/l	88

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

Quant Time: Jul 08 03:16:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

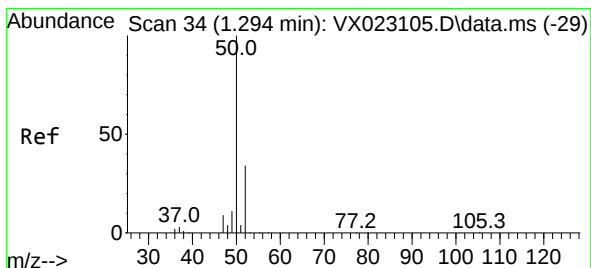
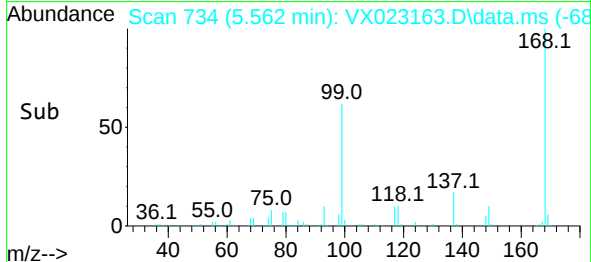
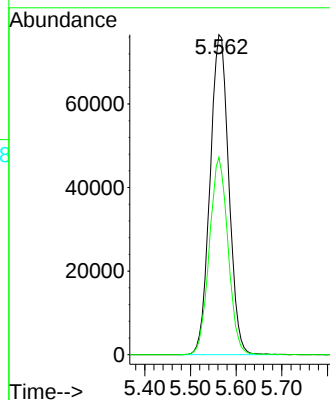
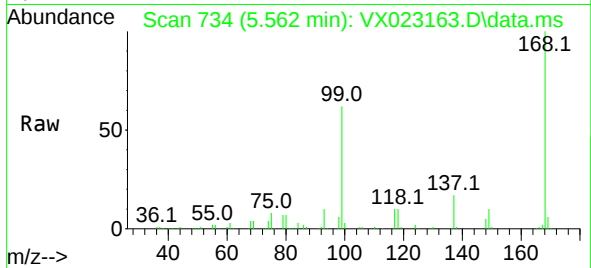




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

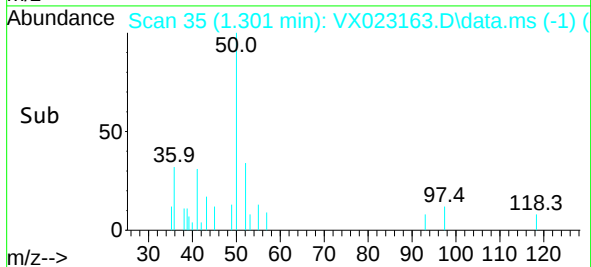
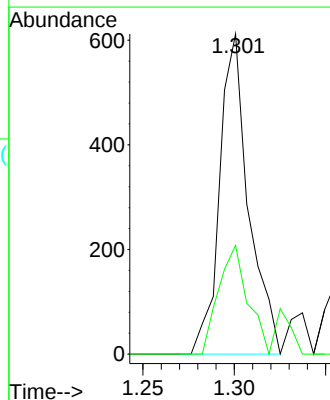
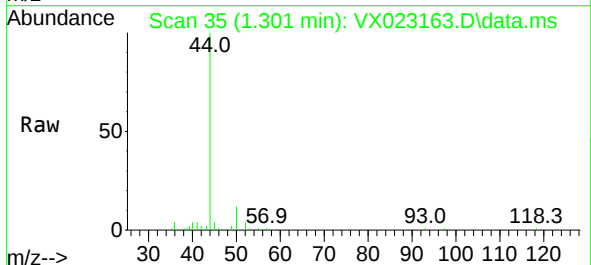
Instrument :
MSVOA_X
ClientSampleId :

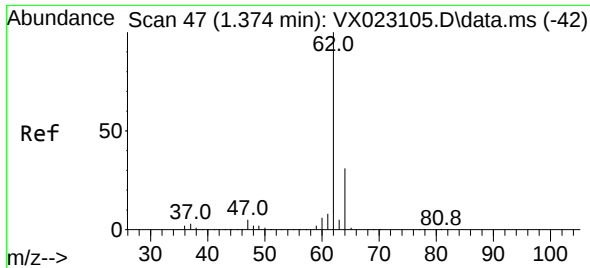
Tgt Ion:168 Resp: 218071
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#3
Chloromethane
Concen: 0.345 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 34.0 26.4 39.6

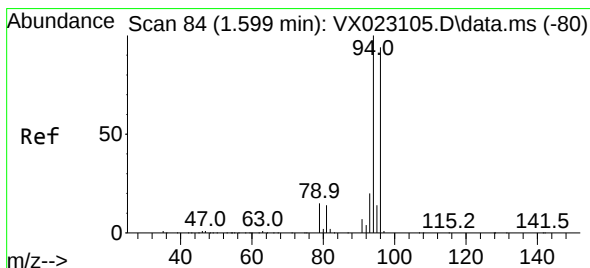
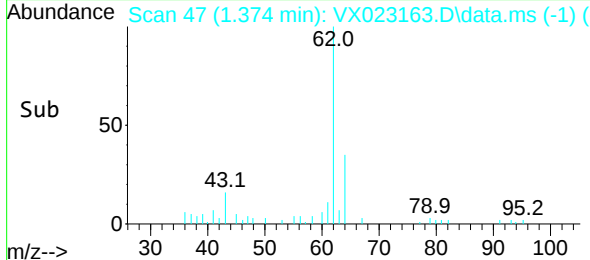
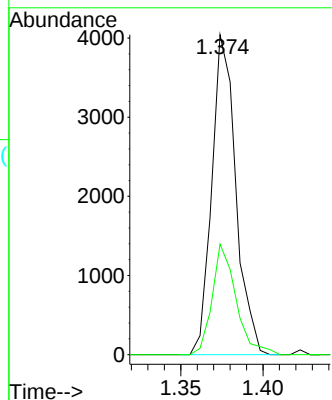
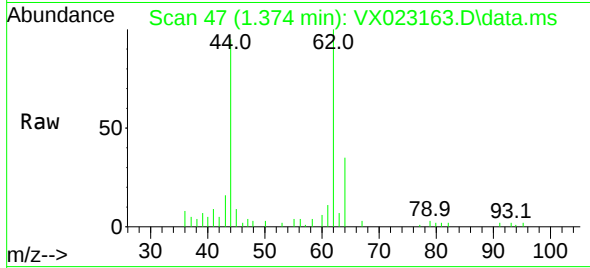




#4
 Vinyl Chloride
 Concen: 1.982 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023163.D
 Acq: 07 Jul 2021 11:32

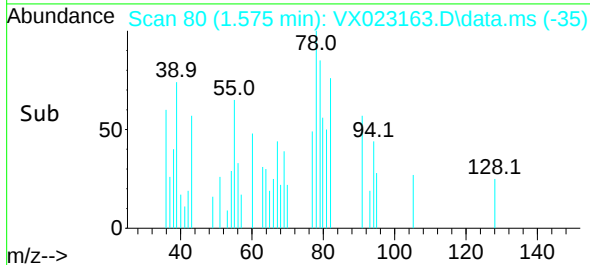
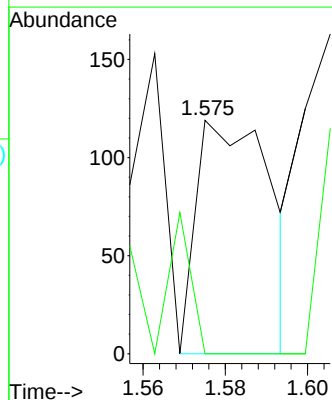
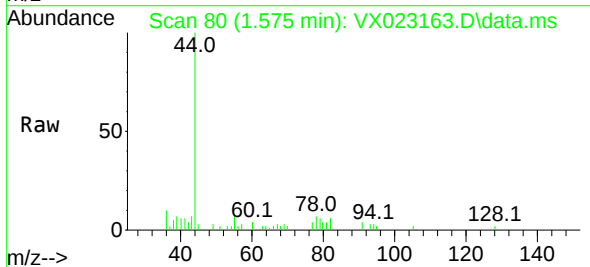
Instrument :
 MSVOA_X
 ClientSampled :

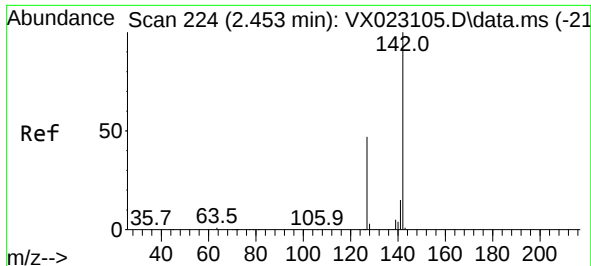
Tgt Ion: 62 Resp: 4104
 Ion Ratio Lower Upper
 62 100
 64 34.6 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.575 min Scan# 80
 Delta R.T. -0.024 min
 Lab File: VX023163.D
 Acq: 07 Jul 2021 11:32

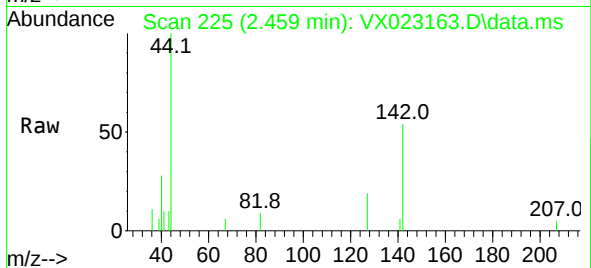
Tgt Ion: 94 Resp: 150
 Ion Ratio Lower Upper
 94 100
 96 0.0 76.4 114.6#



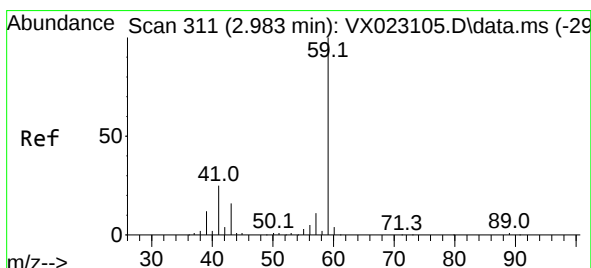
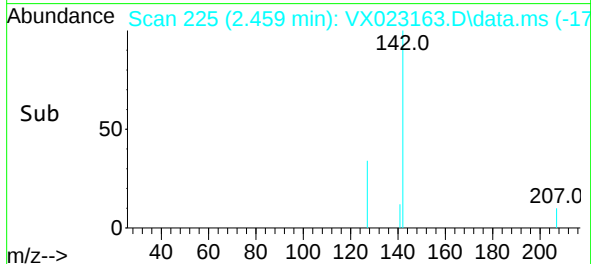
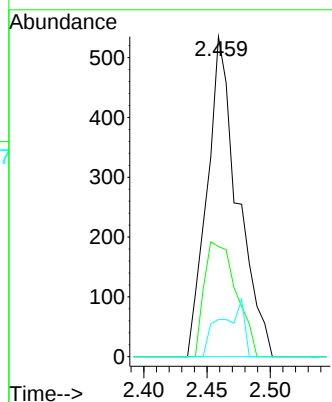


#10
Methyl Iodide
Concen: 0.348 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Instrument :
MSVOA_X
ClientSampled :

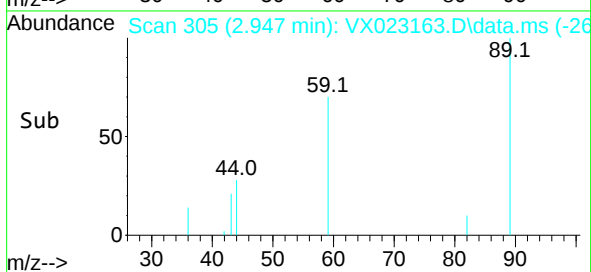
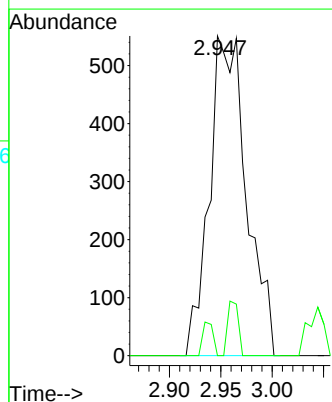
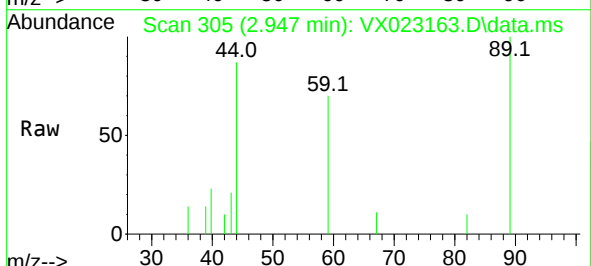


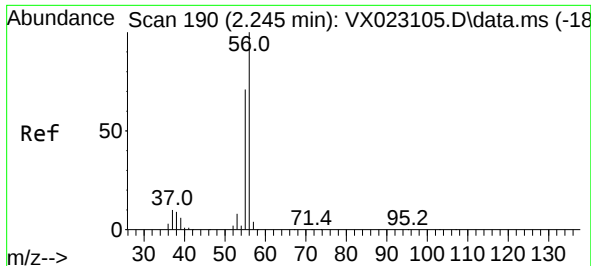
Tgt Ion:142 Resp: 899
Ion Ratio Lower Upper
142 100
127 37.5 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.243 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 59 Resp: 1383
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

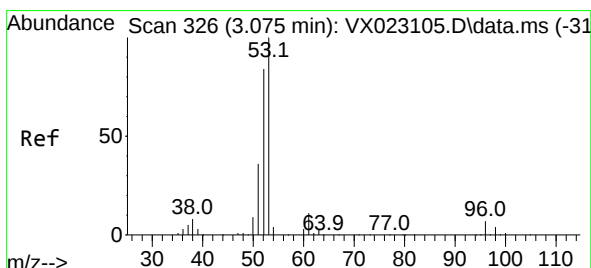
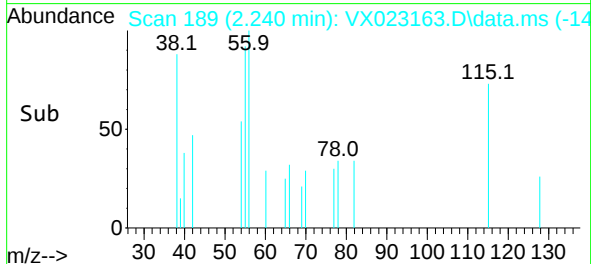
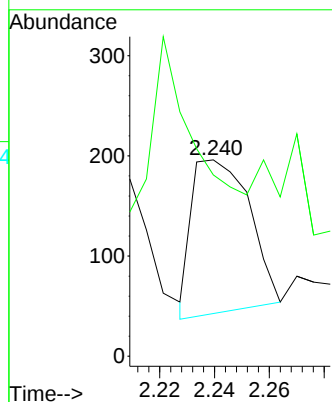
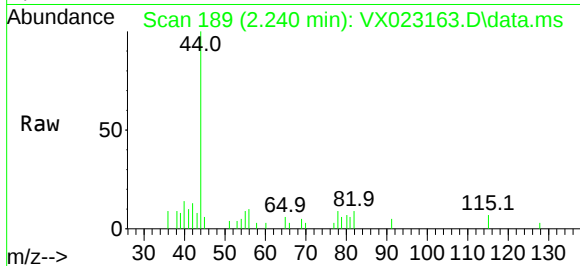




#13
Acrolein
Concen: 0.548 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.005 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

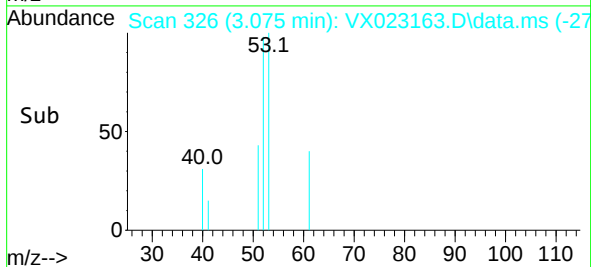
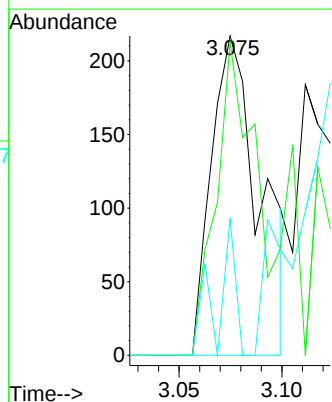
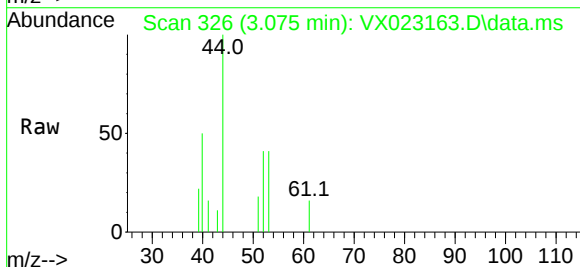
Instrument :
MSVOA_X
ClientSampled :

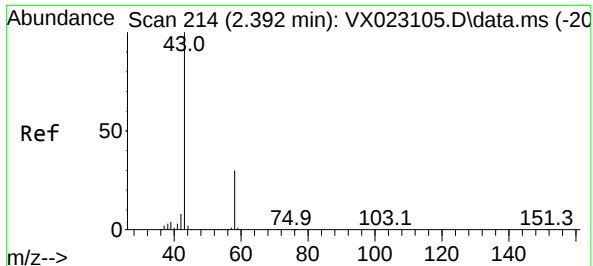
Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#15
Acrylonitrile
Concen: 0.295 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 53 Resp: 354
Ion Ratio Lower Upper
53 100
52 84.7 65.3 97.9
51 6.5 28.2 42.2#

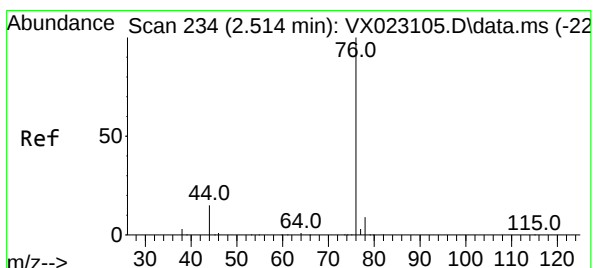
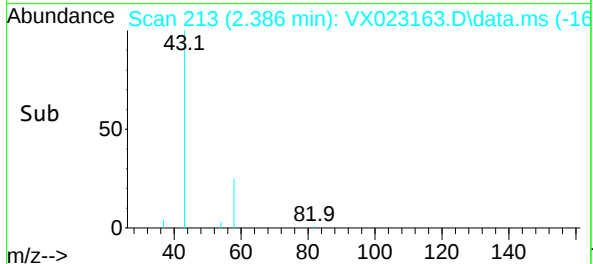
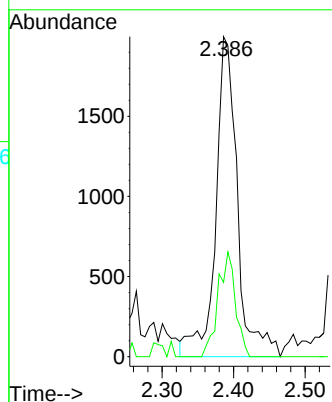
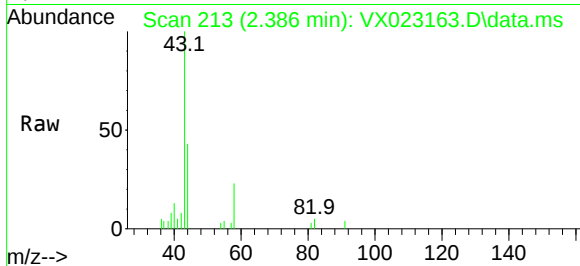




#16
Acetone
Concen: 3.613 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

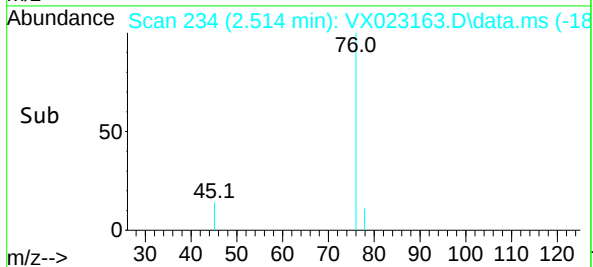
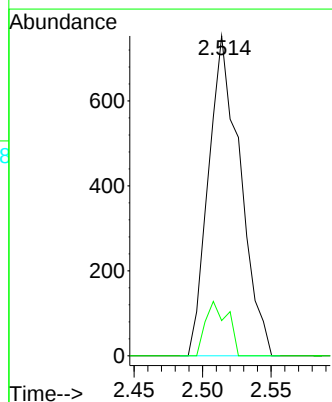
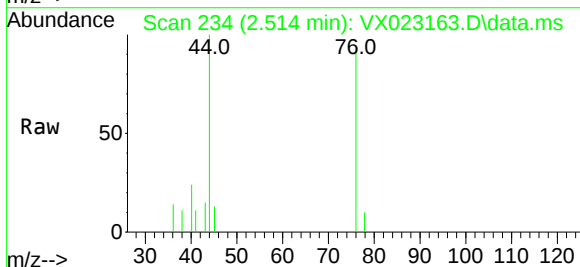
Instrument :
MSVOA_X
ClientSampled :

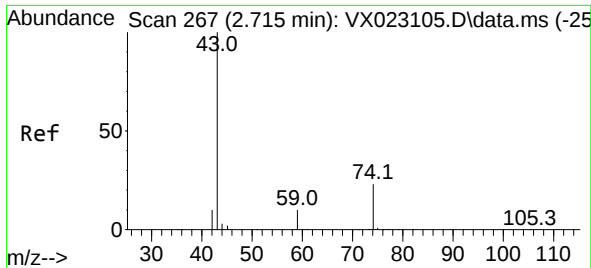
Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
58 23.2 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.296 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 76 Resp: 1214
Ion Ratio Lower Upper
76 100
78 11.0 7.2 10.8#

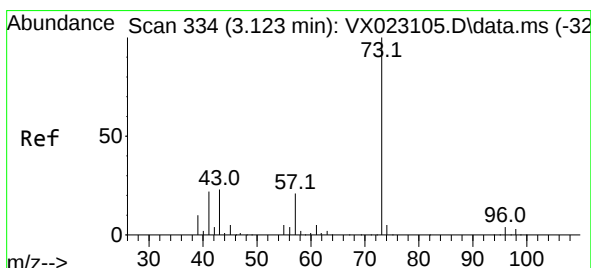
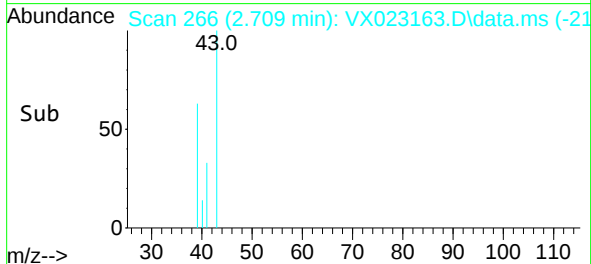
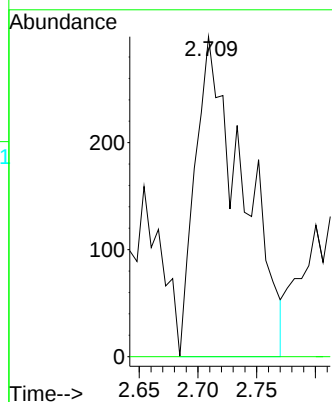
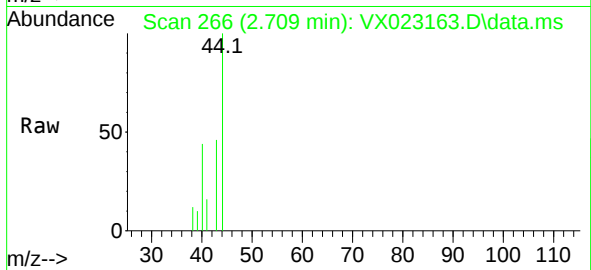




#18
Methyl Acetate
Concen: 0.299 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

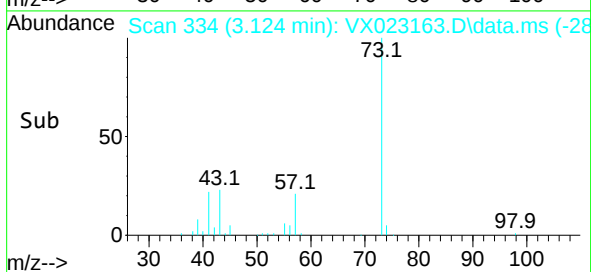
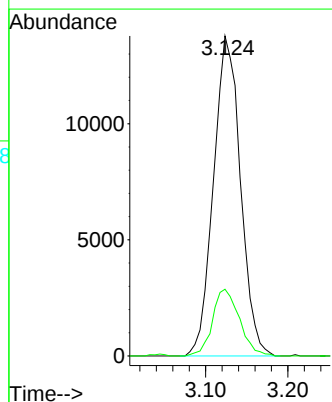
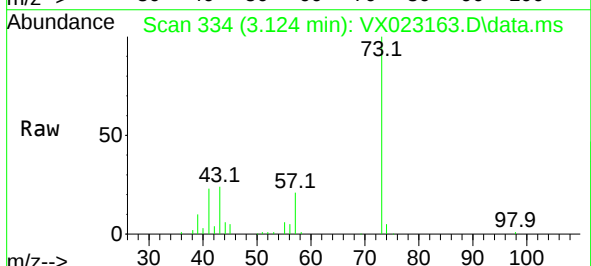
Instrument :
MSVOA_X
ClientSampled :

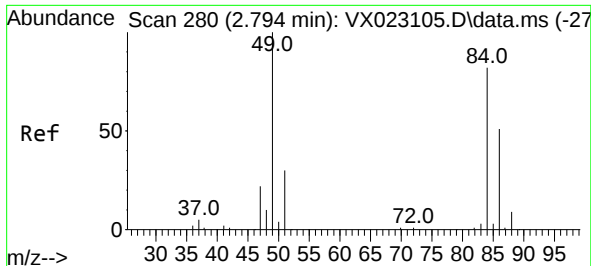
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 4.319 ug/l
RT: 3.124 min Scan# 334
Delta R.T. 0.001 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

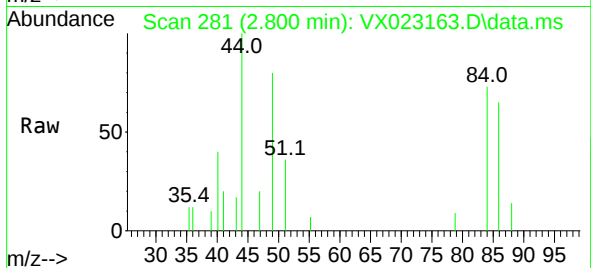
Tgt Ion: 73 Resp: 31398
Ion Ratio Lower Upper
73 100
57 20.9 17.1 25.7



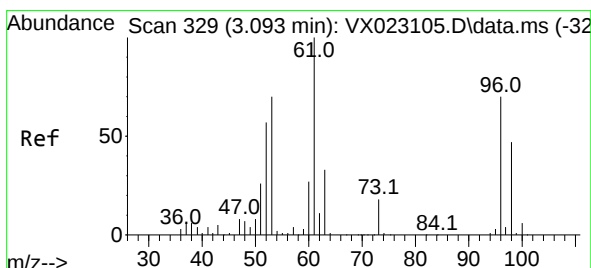
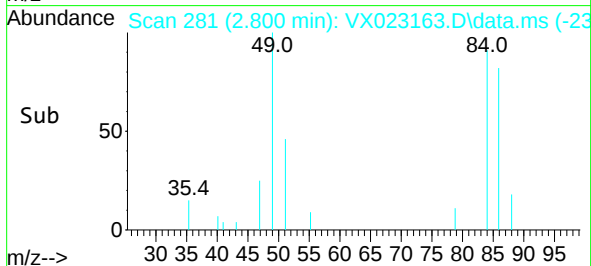
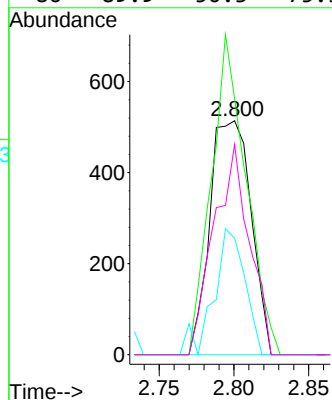


#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Instrument :
MSVOA_X
ClientSampled :

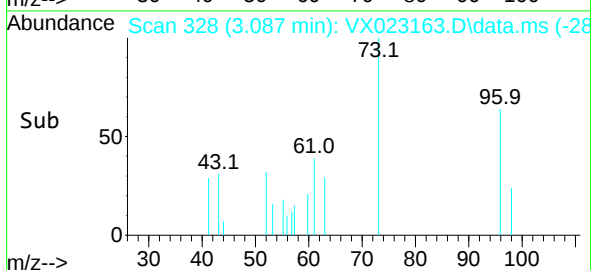
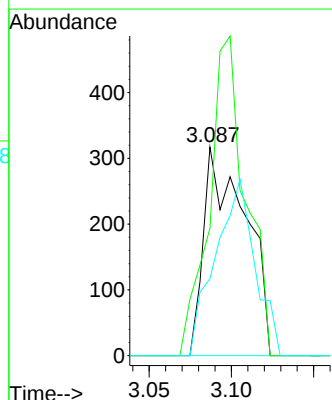
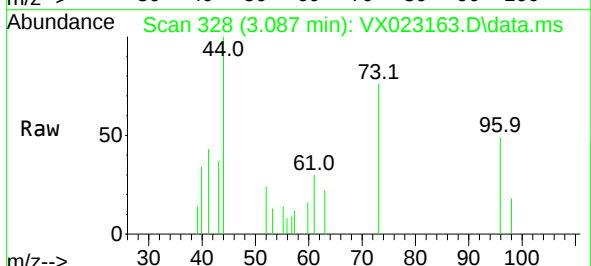


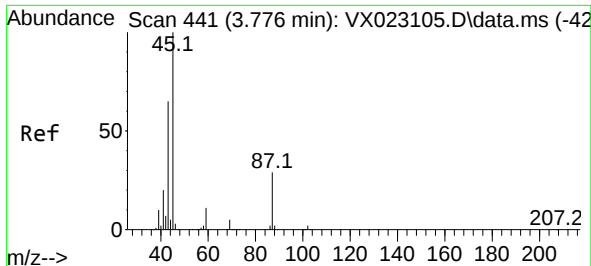
Tgt Ion: 84	Resp: 986
Ion Ratio	Lower Upper
84	100
49	109.3 88.6 132.8
51	49.8 27.0 40.6#
86	89.9 50.3 75.5#



#21
trans-1,2-Dichloroethene
Concen: 0.266 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

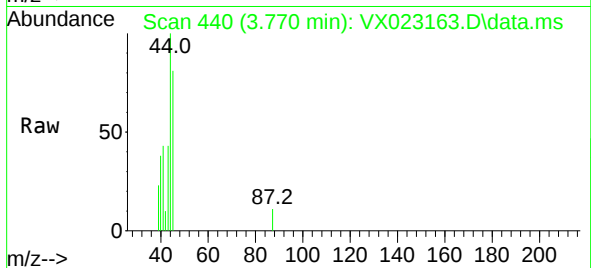
Tgt Ion: 96	Resp: 559
Ion Ratio	Lower Upper
96	100
61	61.2 107.7 161.5#
98	36.9 50.4 75.6#



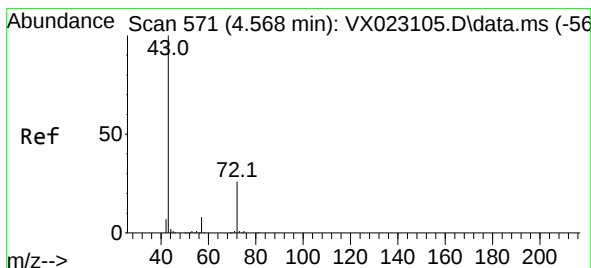
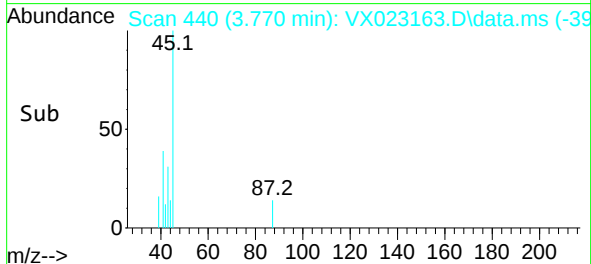
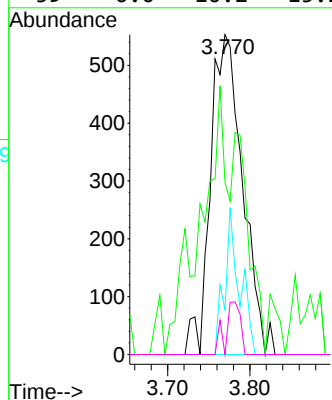


#22
Diisopropyl ether
Concen: 0.212 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Instrument :
MSVOA_X
ClientSampleId :

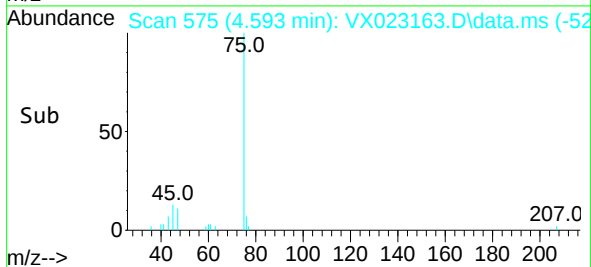
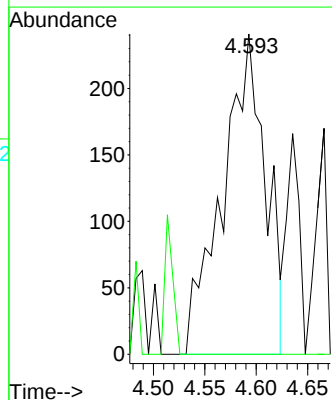
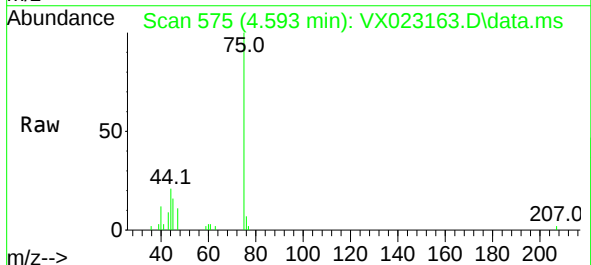


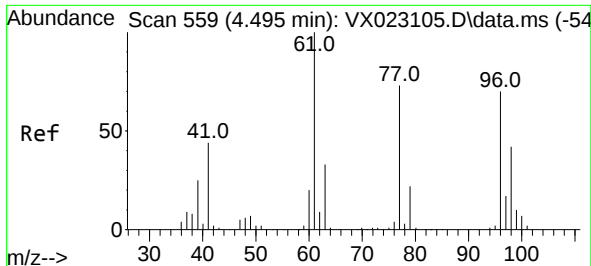
Tgt Ion: 45	Resp: 1507
Ion Ratio	Lower Upper
45 100	
43 43.2	58.0 87.0#
87 13.9	25.4 38.0#
59 0.0	10.2 15.2#



#25
2-Butanone
Concen: 0.400 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 43	Resp: 699
Ion Ratio	Lower Upper
43 100	
72 0.0	23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 5.813 ug/l

RT: 4.495 min Scan# 559

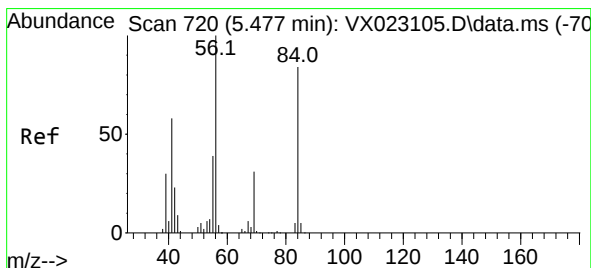
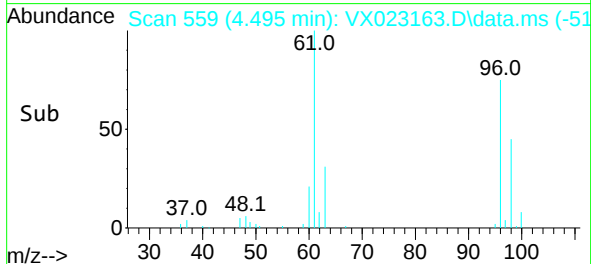
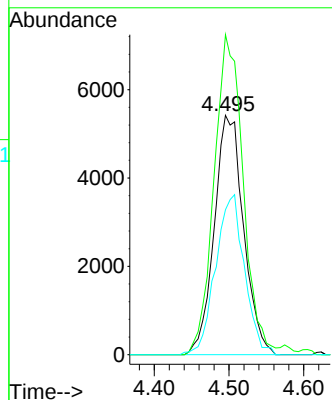
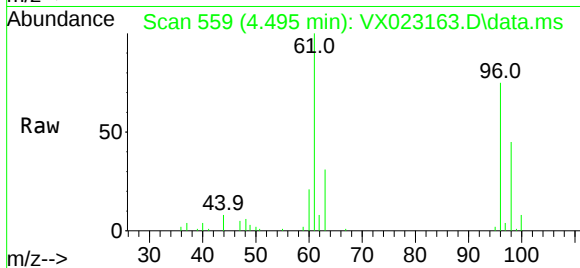
Delta R.T. 0.000 min

Lab File: VX023163.D

Acq: 07 Jul 2021 11:32

Tgt Ion: 96 Resp: 14782

Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	285.6
98	65.8	0.0	129.6



#31

Cyclohexane

Concen: 1.458 ug/l

RT: 5.556 min Scan# 733

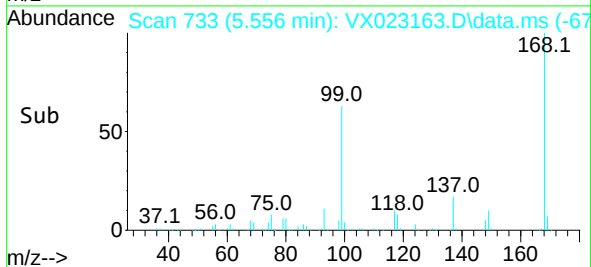
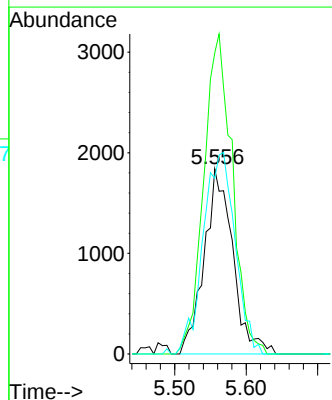
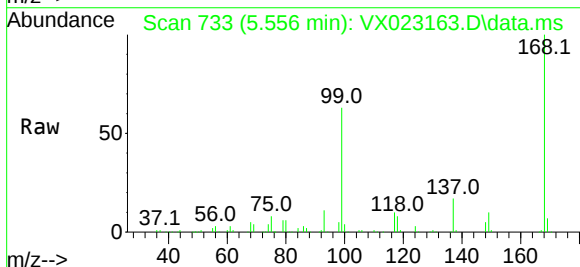
Delta R.T. 0.079 min

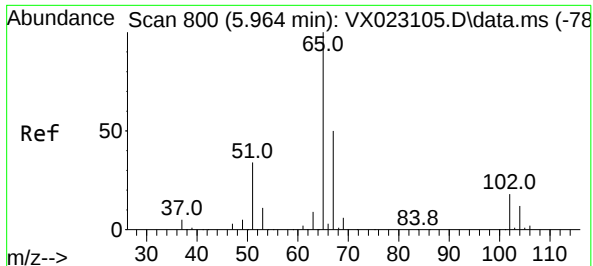
Lab File: VX023163.D

Acq: 07 Jul 2021 11:32

Tgt Ion: 56 Resp: 5116

Ion	Ratio	Lower	Upper
56	100		
69	162.6	25.3	37.9#
84	94.9	71.4	107.0

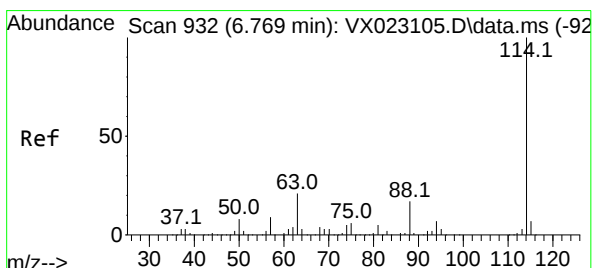
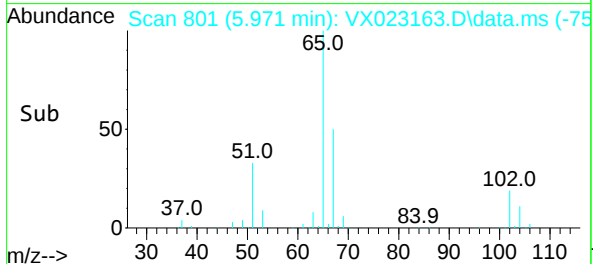
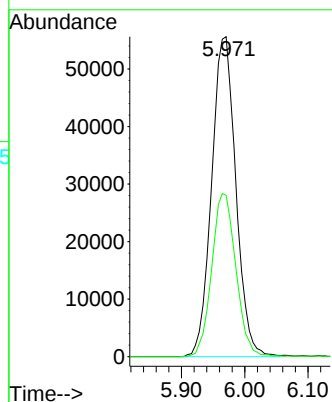
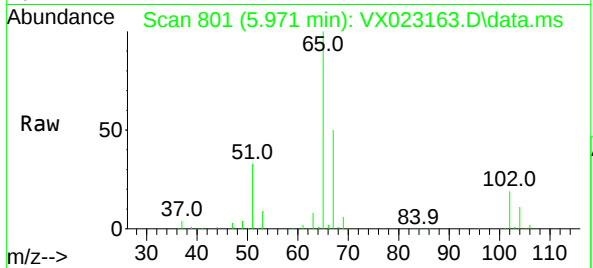




#33
1,2-Dichloroethane-d4
Concen: 50.457 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

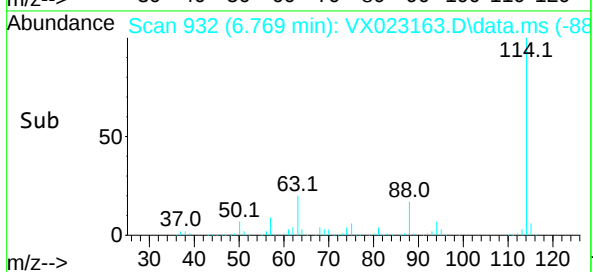
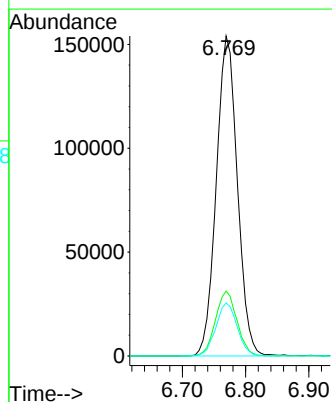
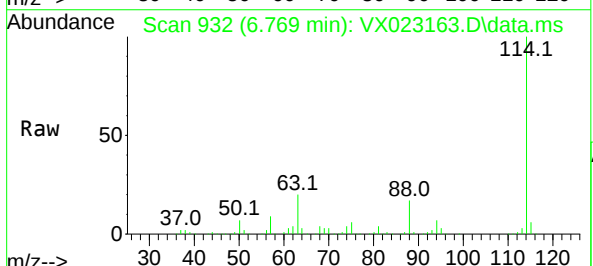
Instrument :
MSVOA_X
ClientSampleId :

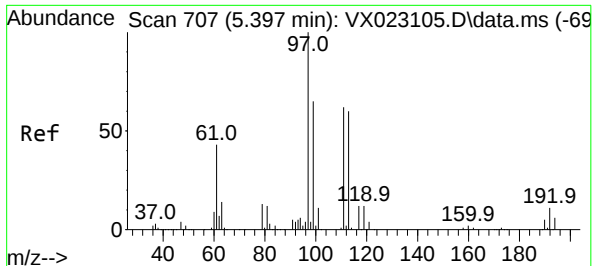
Tgt Ion: 65 Resp: 147882
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 114 Resp: 355976
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.505 ug/l

RT: 5.398 min Scan# 707

Delta R.T. 0.001 min

Lab File: VX023163.D

Acq: 07 Jul 2021 11:32

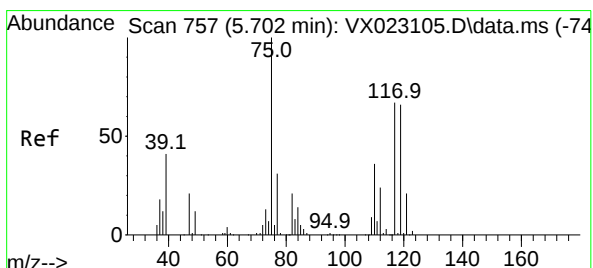
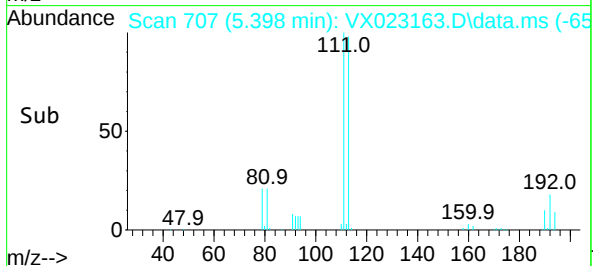
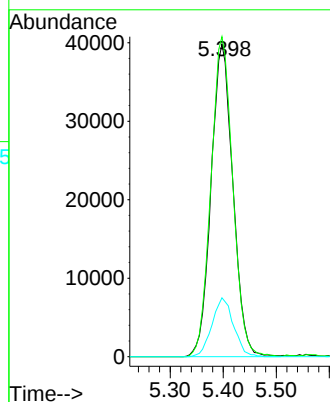
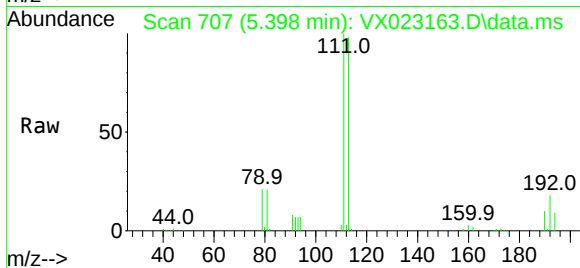
Tgt Ion:113 Resp: 113799

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 18.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.540 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023163.D

Acq: 07 Jul 2021 11:32

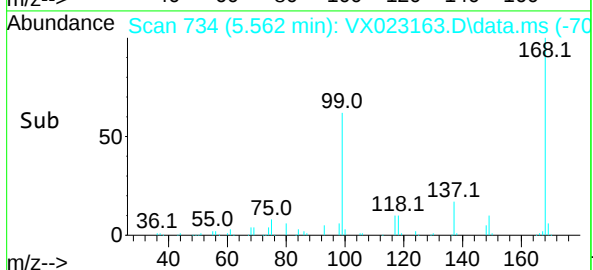
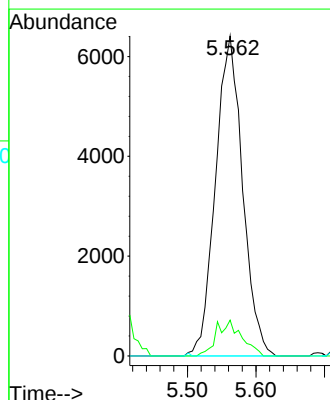
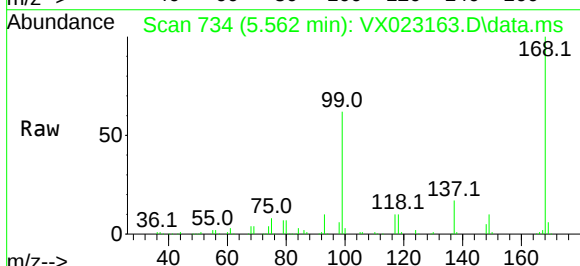
Tgt Ion: 75 Resp: 17581

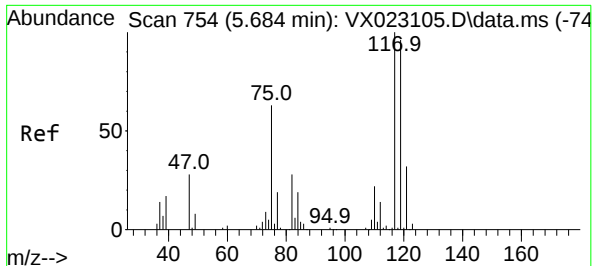
Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

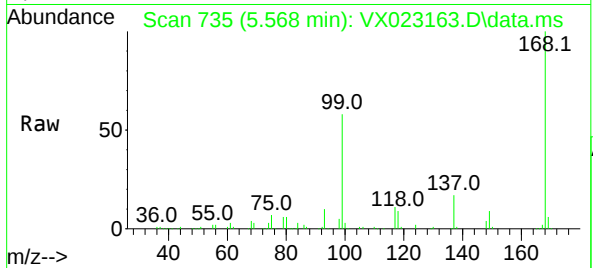
77 0.0 25.3 37.9#



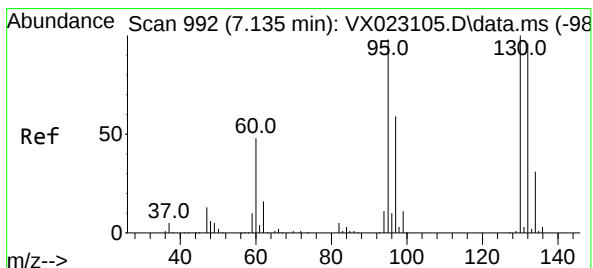
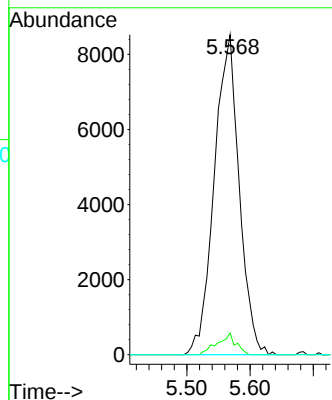
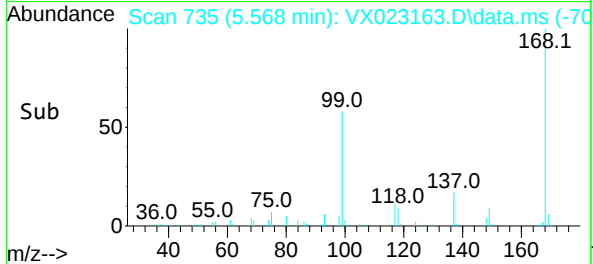


#38
Carbon Tetrachloride
Concen: 7.038 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

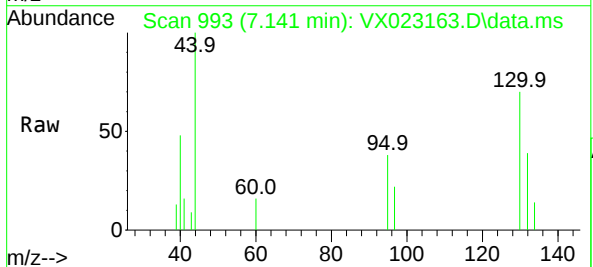
Instrument :
MSVOA_X
ClientSampled :



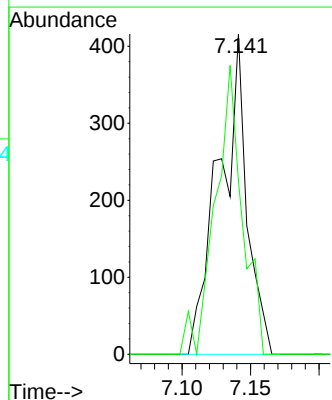
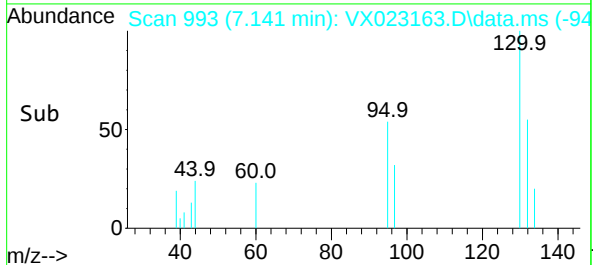
Tgt Ion:117 Resp: 23312
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

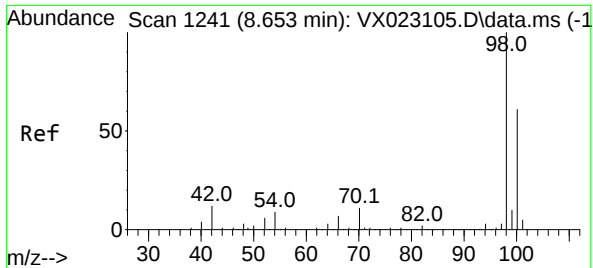


#44
Trichloroethene
Concen: 0.226 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32



Tgt Ion:130 Resp: 590
Ion Ratio Lower Upper
130 100
95 54.1 0.0 198.0

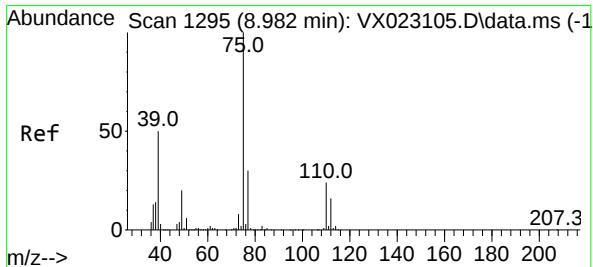
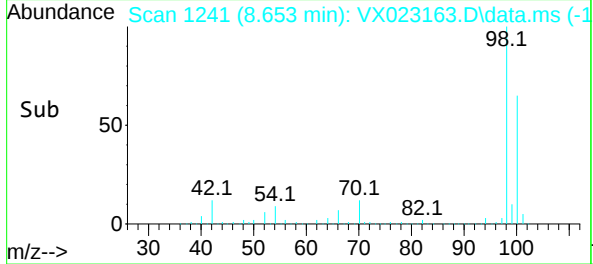
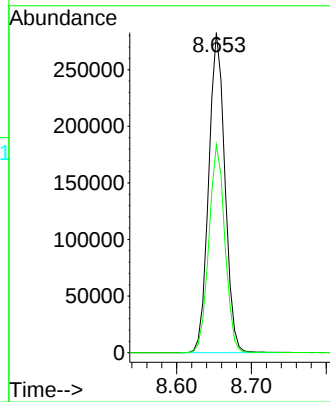
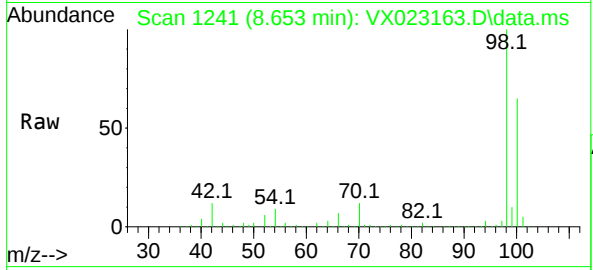




#50
Toluene-d8
Concen: 49.557 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

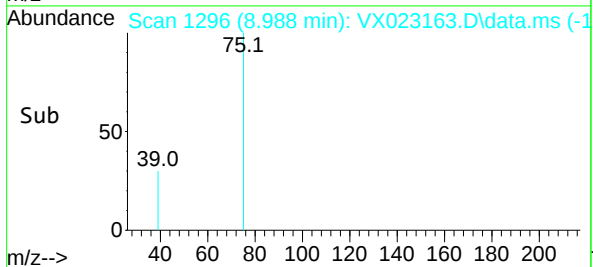
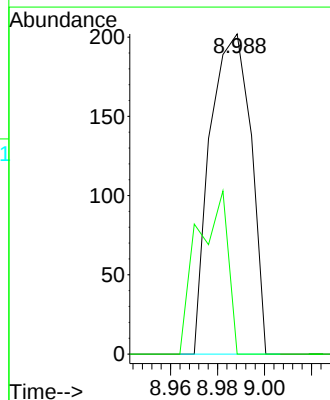
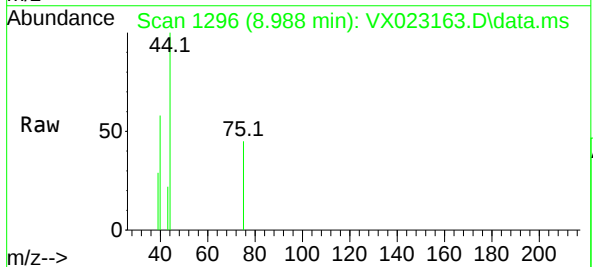
Instrument :
MSVOA_X
ClientSampled :

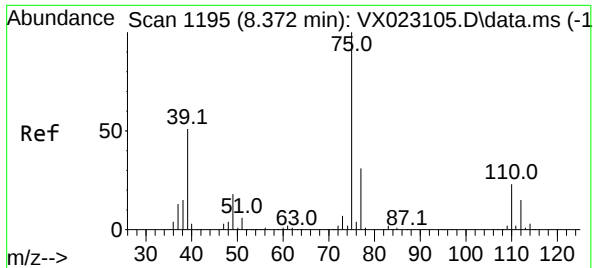
Tgt Ion: 98 Resp: 424942
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.794 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 75 Resp: 243
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

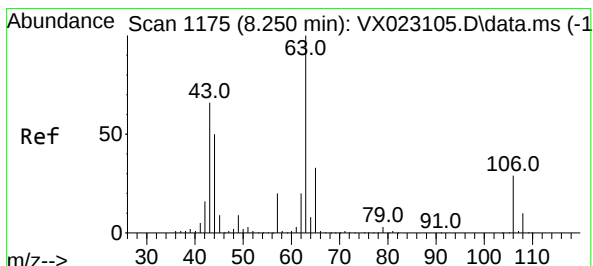
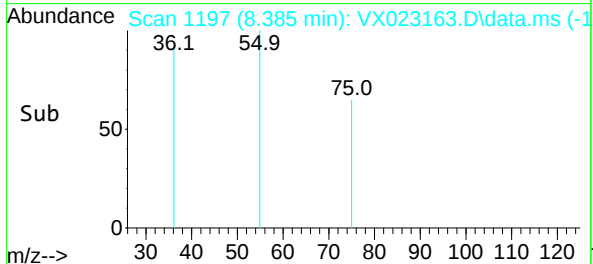
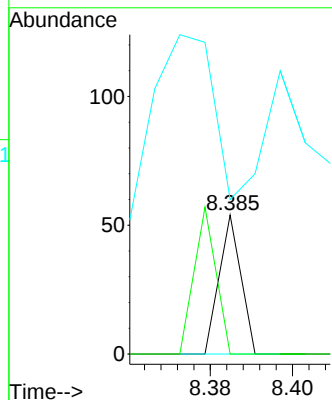
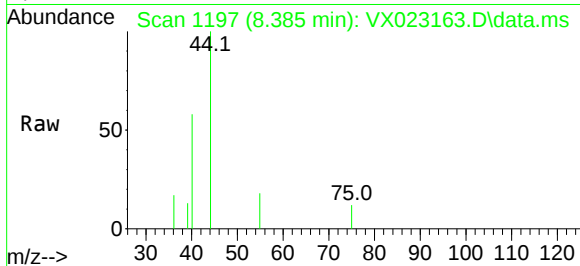




#54
cis-1,3-Dichloropropene
Concen: 2.177 ug/l
RT: 8.385 min Scan# 1197
Delta R.T. 0.013 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

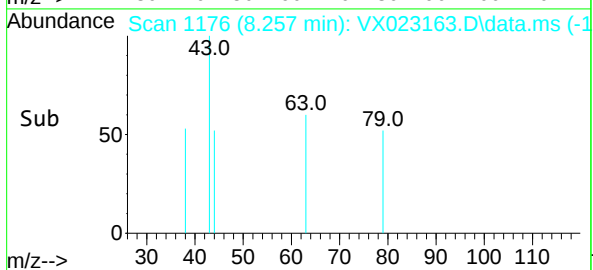
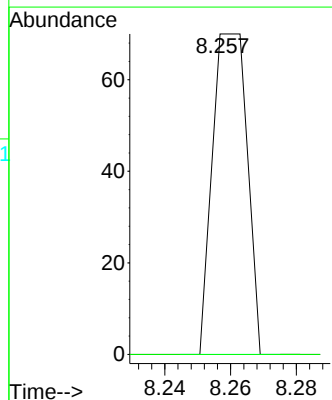
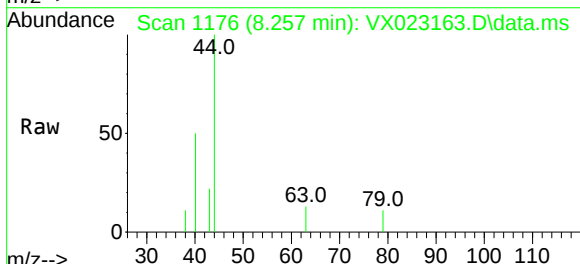
Instrument :
MSVOA_X
ClientSampled :

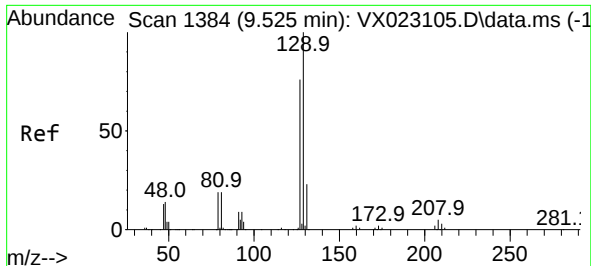
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 0.0 35.1 52.7#



#58
2-Chloroethyl Vinyl ether
Concen: 4.713 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 63 Resp: 51
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

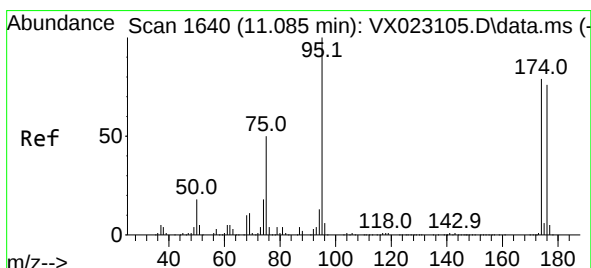
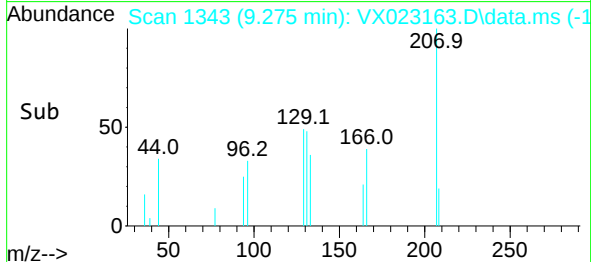
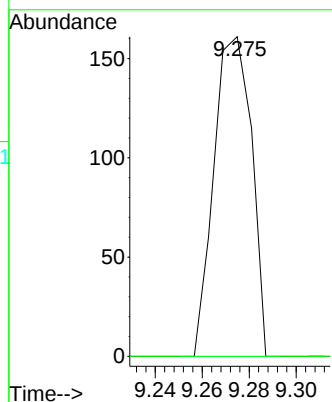
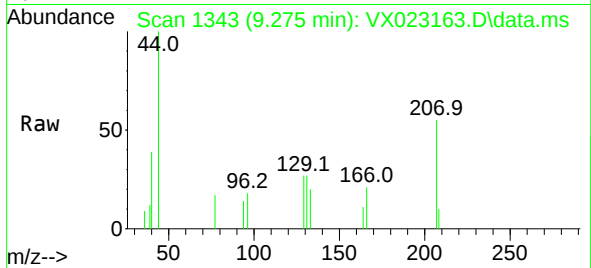




#60
Dibromochloromethane
Concen: 3.173 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

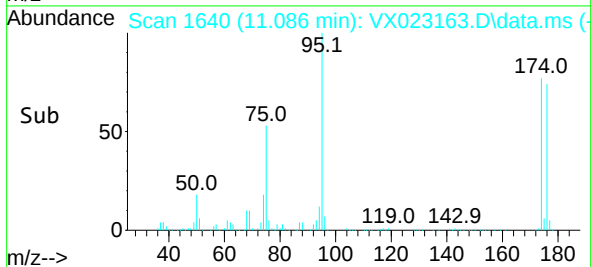
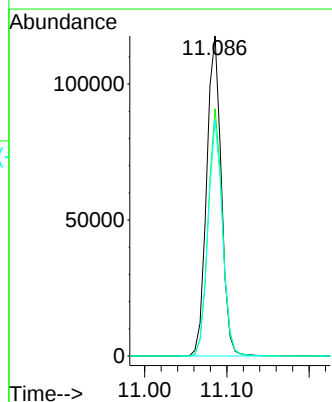
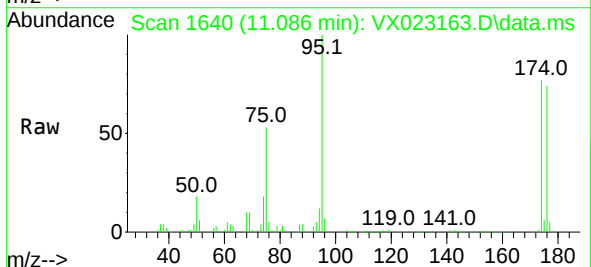
Instrument :
MSVOA_X
ClientSampled :

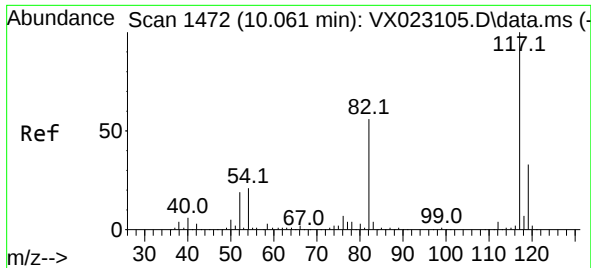
Tgt Ion:129 Resp: 179
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 43.924 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 95 Resp: 145404
Ion Ratio Lower Upper
95 100
174 75.3 0.0 154.6
176 72.9 0.0 155.8

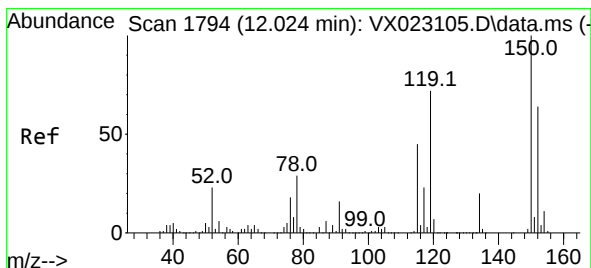
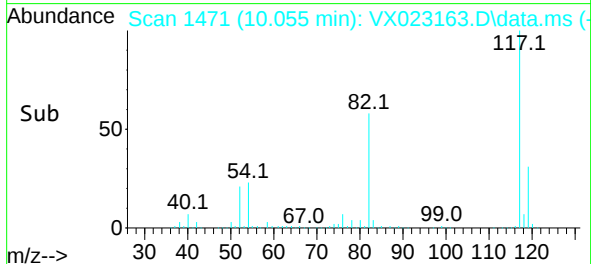
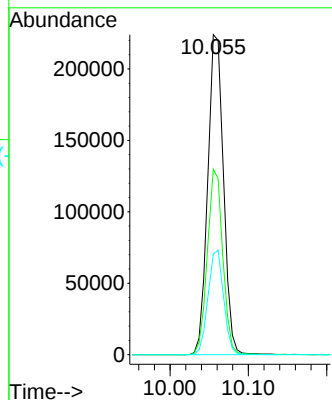
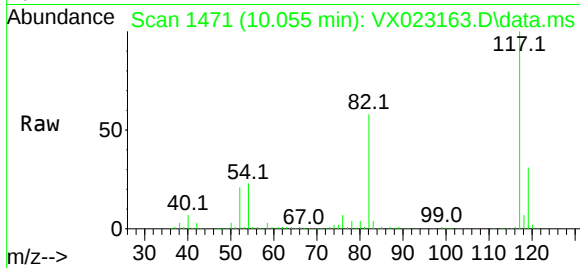




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

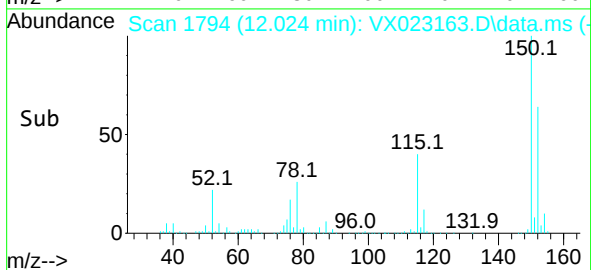
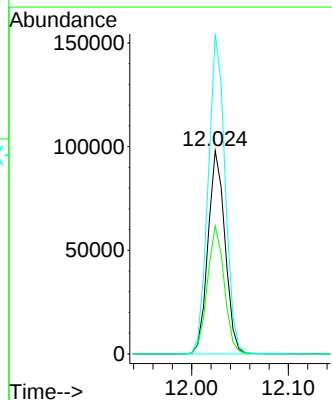
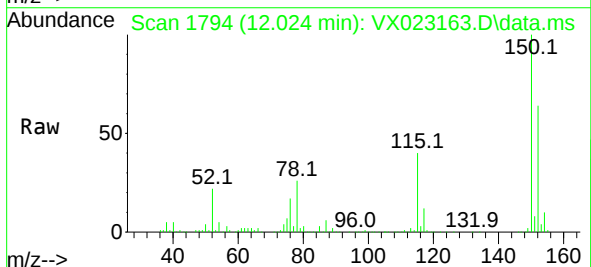
Instrument :
MSVOA_X
ClientSampleId :

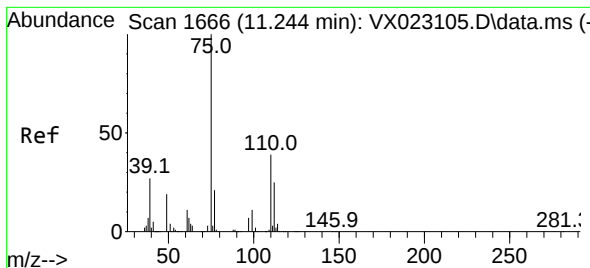
Tgt Ion:117 Resp: 313002
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion:152 Resp: 120106
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 156.1 0.0 349.0

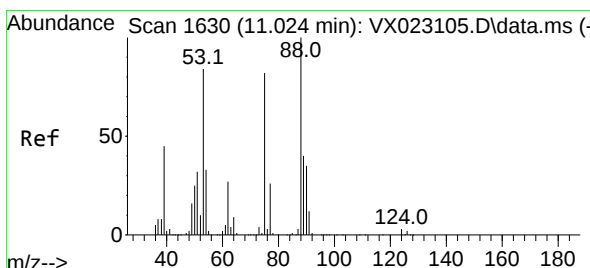
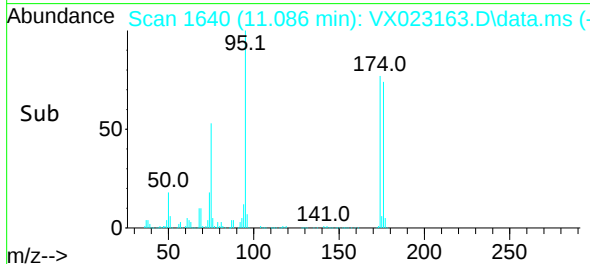
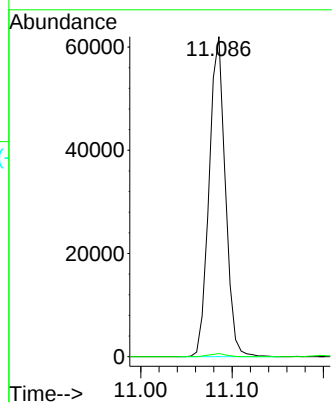
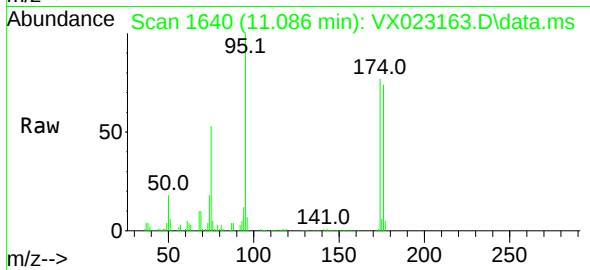




#76
1,2,3-Trichloropropane
Concen: 31.556 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

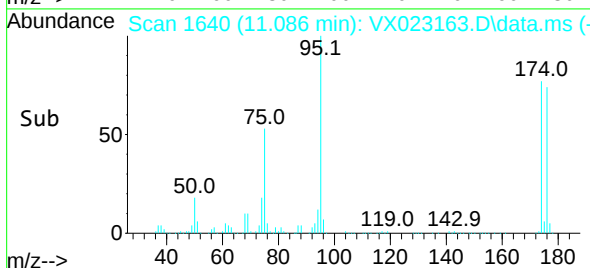
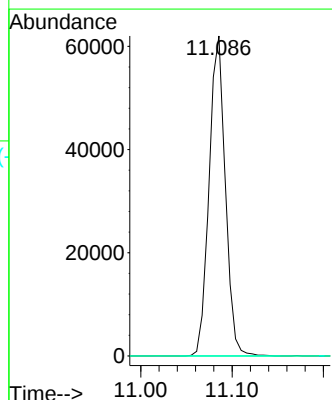
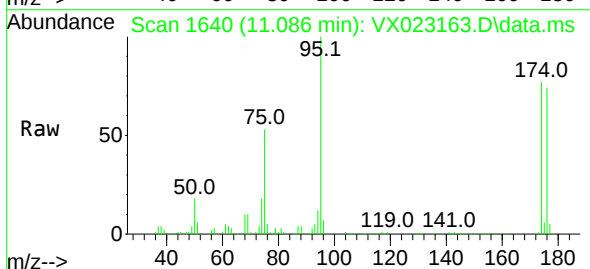
Instrument :
MSVOA_X
ClientSampled :

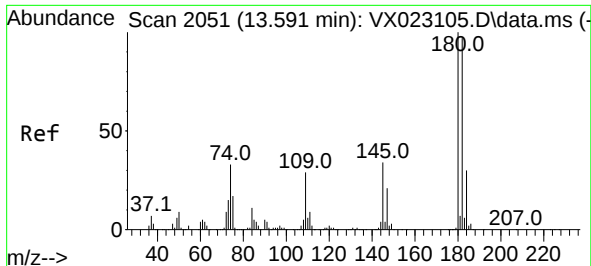
Tgt Ion: 75 Resp: 76268
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.480 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

Tgt Ion: 75 Resp: 76268
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

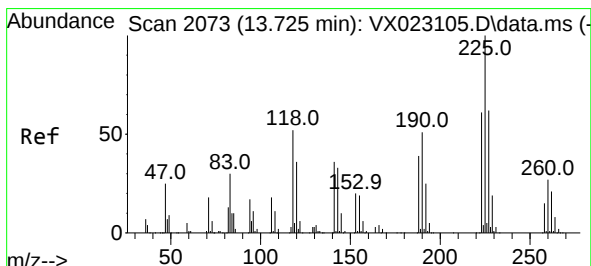
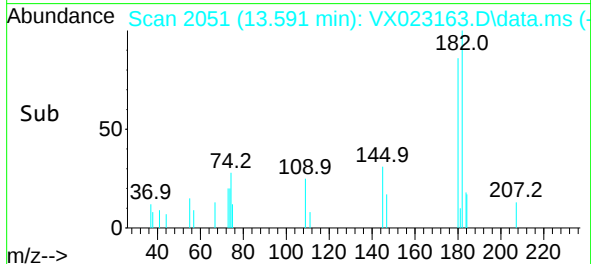
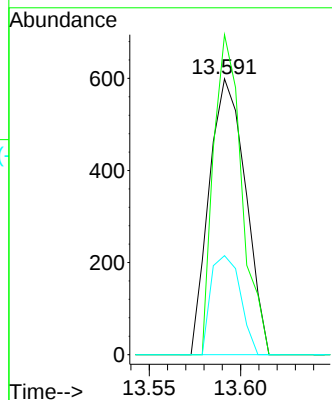
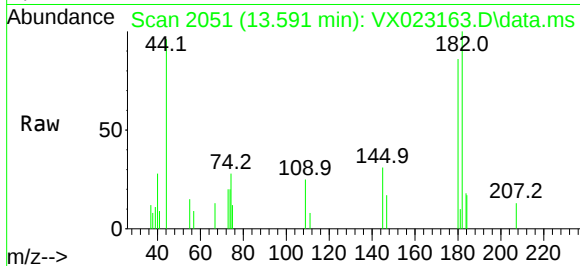




#93
1,2,4-Trichlorobenzene
Concen: 0.342 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

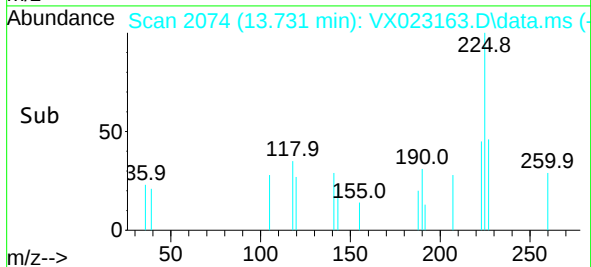
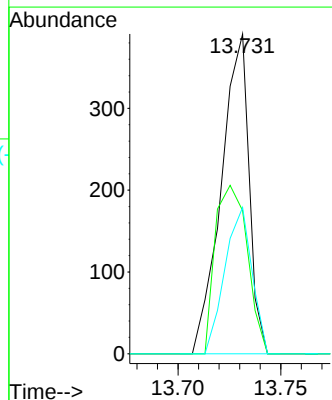
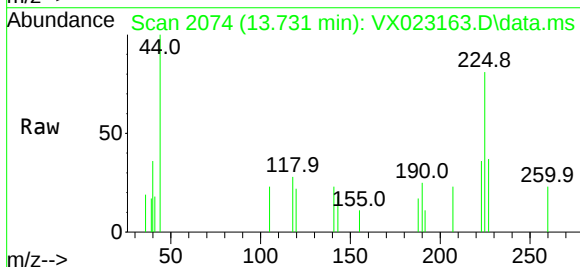
Instrument :
MSVOA_X
ClientSampled :

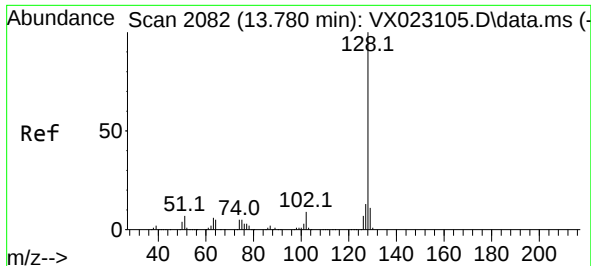
Tgt Ion:180 Resp: 832
Ion Ratio Lower Upper
180 100
182 90.0 47.7 143.1
145 29.0 15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.358 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

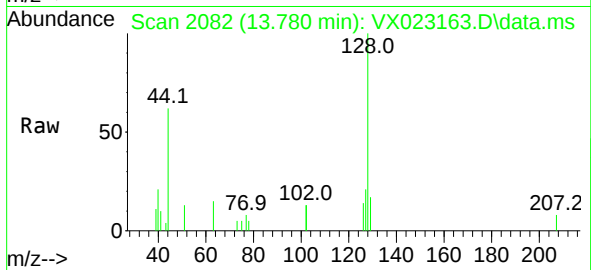
Tgt Ion:225 Resp: 368
Ion Ratio Lower Upper
225 100
223 60.9 31.1 93.2
227 44.6 31.6 95.0



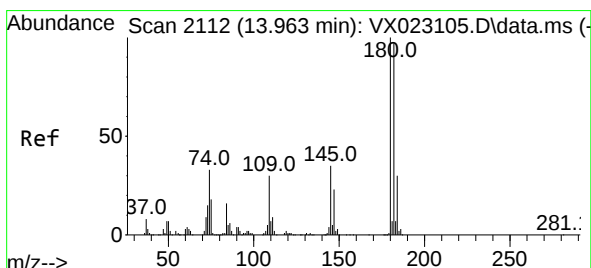
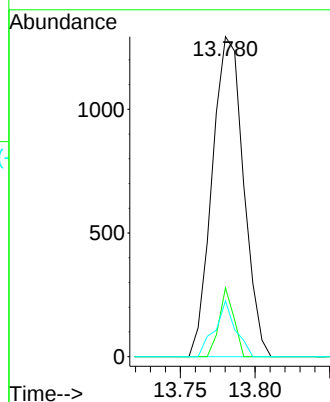
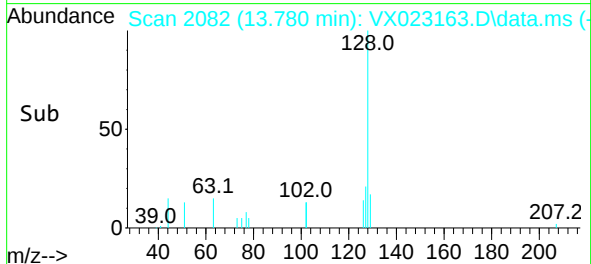


#95
Naphthalene
Concen: 1.481 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32

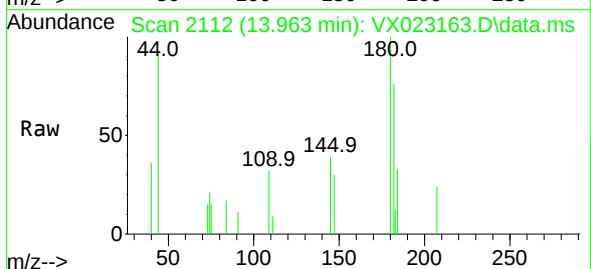
Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:128 Resp: 1886
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.275 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX023163.D
Acq: 07 Jul 2021 11:32



Tgt Ion:180 Resp: 672
Ion Ratio Lower Upper
180 100
182 83.5 47.6 142.9
145 39.0 16.1 48.3

