

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071621\
 Data File : VX023319.D
 Acq On : 16 Jul 2021 11:46
 Operator : JC/MD
 Sample : M3061-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 02:08:08 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)

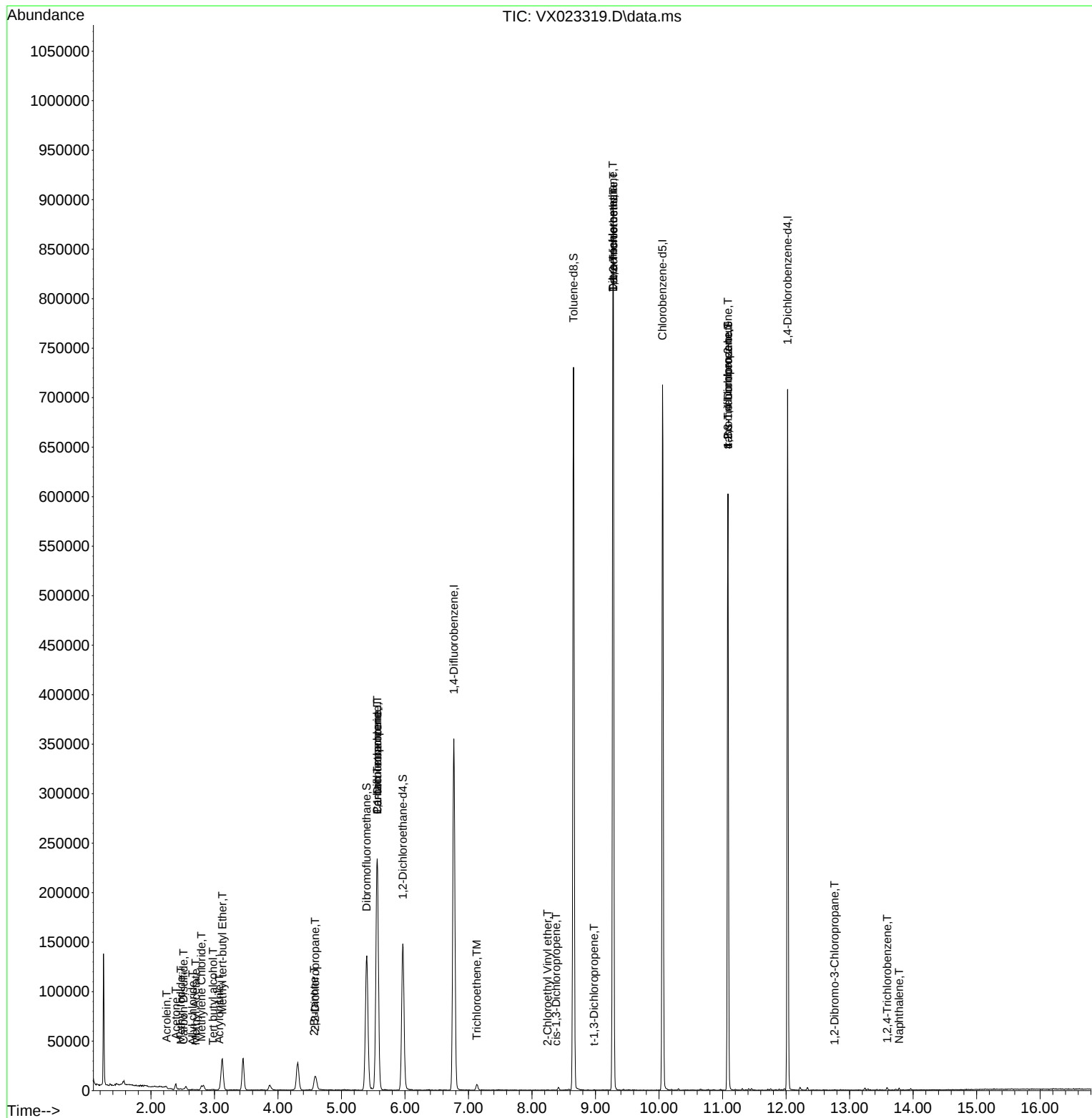
Internal Standards						
1) Pentafluorobenzene	5.562	168	219803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	358419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151363	51.237	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.480%		
35) Dibromofluoromethane	5.397	113	117726	50.864	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.720%		
50) Toluene-d8	8.653	98	427424	49.506	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.020%		
62) 4-Bromofluorobenzene	11.085	95	156571	46.975	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.940%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	675	Below Cal	#	72
10) Methyl Iodide	2.471	142	1141	0.438	ug/l #	85
11) Tert butyl alcohol	2.977	59	648	1.043	ug/l #	73
13) Acrolein	2.246	56	191	0.462	ug/l #	1
14) Allyl chloride	2.654	41	713	0.209	ug/l #	74
15) Acrylonitrile	3.075	53	411	0.340	ug/l #	91
16) Acetone	2.392	43	6153	5.265	ug/l	89
17) Carbon Disulfide	2.514	76	1596	0.386	ug/l #	90
18) Methyl Acetate	2.703	43	647	0.228	ug/l #	54
19) Methyl tert-butyl Ether	3.123	73	28783	3.928	ug/l #	84
20) Methylene Chloride	2.794	84	1473	0.585	ug/l	89
25) 2-Butanone	4.568	43	2989	1.696	ug/l #	72
26) 2,2-Dichloropropane	4.587	77	1248	0.367	ug/l #	52
36) 1,1-Dichloropropene	5.562	75	17286	5.410	ug/l #	49
38) Carbon Tetrachloride	5.562	117	23828	7.144	ug/l #	15
44) Trichloroethene	7.129	130	2456	0.933	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	136	2.769	ug/l #	44
54) cis-1,3-Dichloropropene	8.379	75	86	2.193	ug/l #	75
55) 1,1,2-Trichloroethane	9.281	97	1636	0.649	ug/l #	10
58) 2-Chloroethyl Vinyl ether	8.244	63	22	4.700	ug/l #	45
60) Dibromochloromethane	9.275	129	164944	58.057	ug/l #	11
64) Tetrachloroethene	9.281	164	167748	65.344	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	81113	28.986	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	81113	77.989	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.762	75	31	2.609	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	591	0.210	ug/l #	86
95) Naphthalene	13.780	128	1415	1.408	ug/l #	92

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

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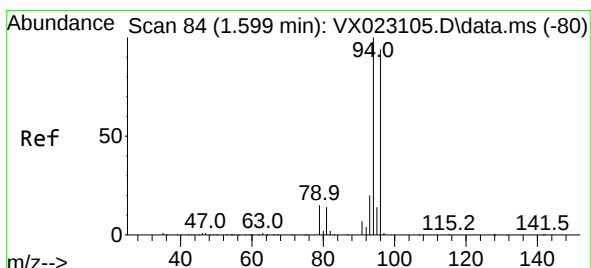
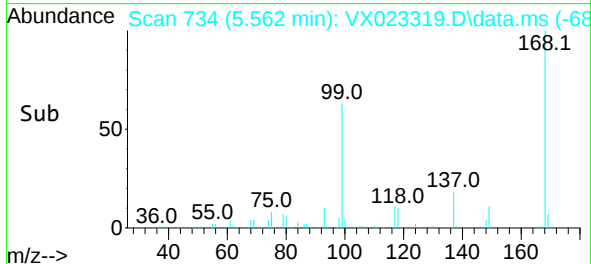
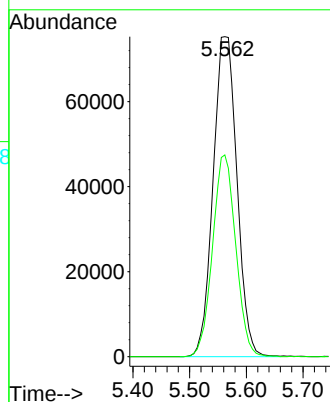
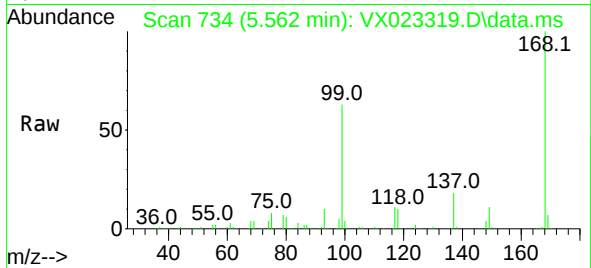




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

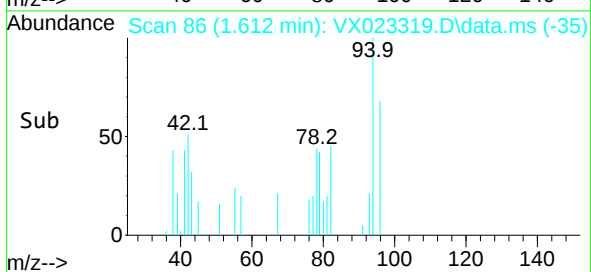
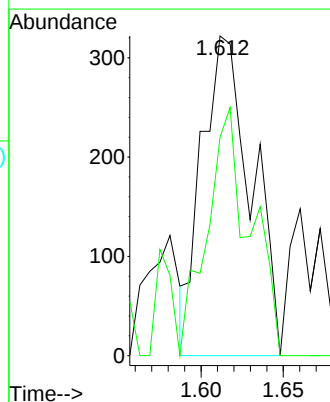
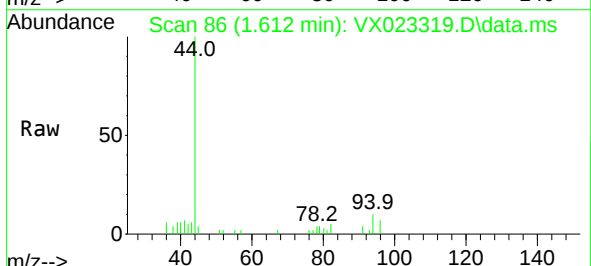
Instrument :
MSVOA_X
ClientSampleId :

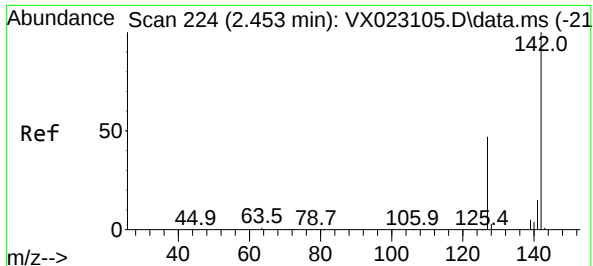
Tgt Ion:168 Resp: 219803
Ion Ratio Lower Upper
168 100
99 63.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

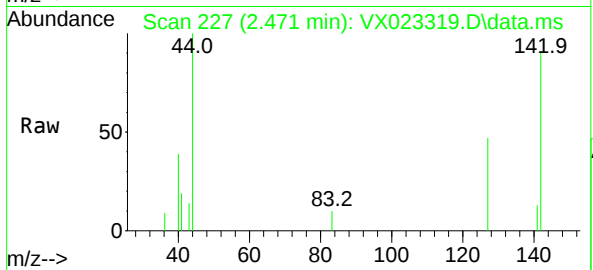
Tgt Ion: 94 Resp: 675
Ion Ratio Lower Upper
94 100
96 68.3 76.4 114.6#



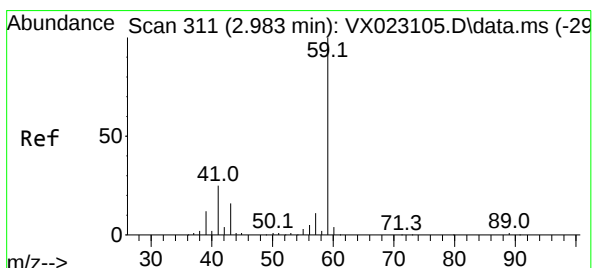
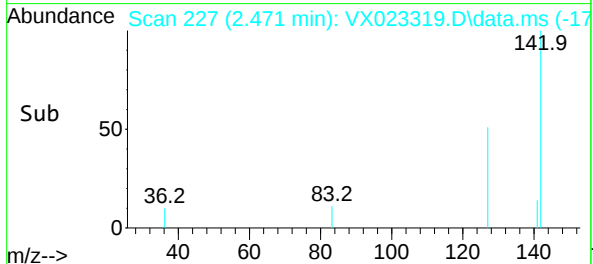
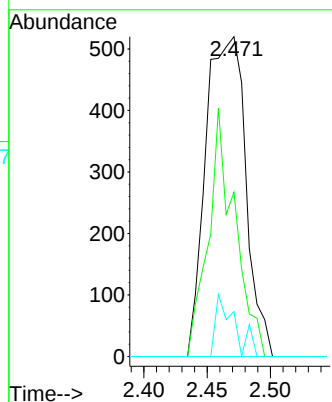


#10
Methyl Iodide
Concen: 0.438 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Instrument :
MSVOA_X
ClientSampled :

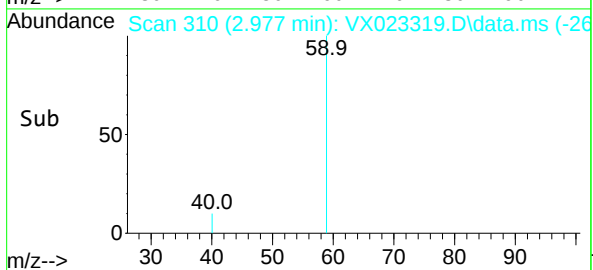
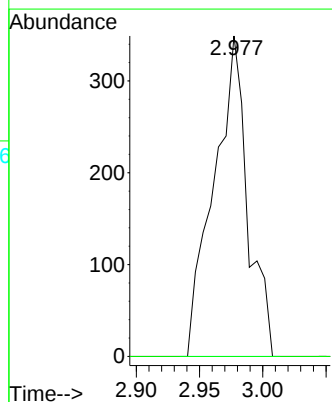
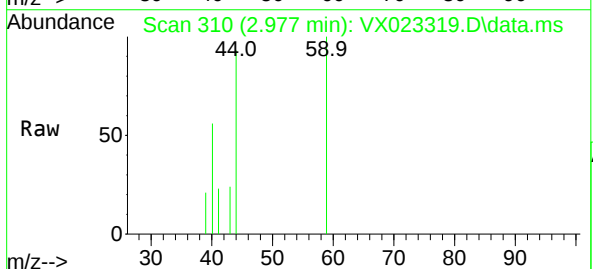


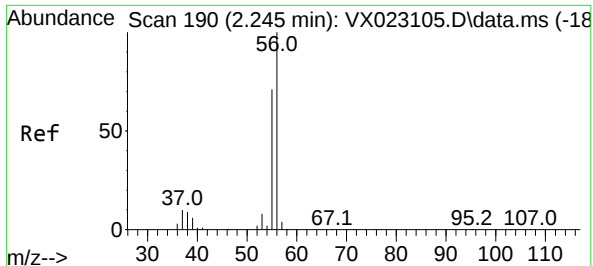
Tgt Ion:142 Resp: 1141
Ion Ratio Lower Upper
142 100
127 51.4 33.3 49.9#
141 9.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.043 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 59 Resp: 648
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

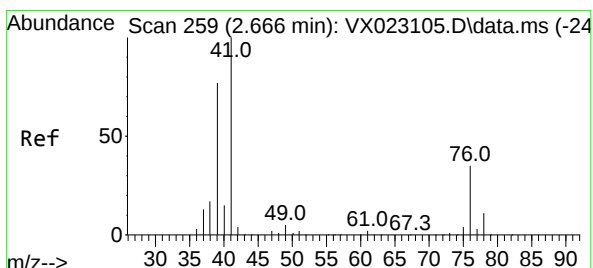
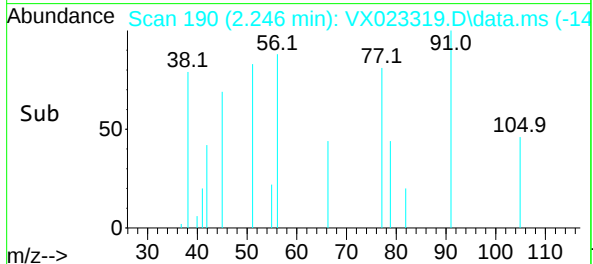
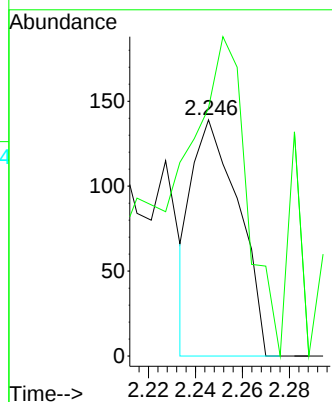
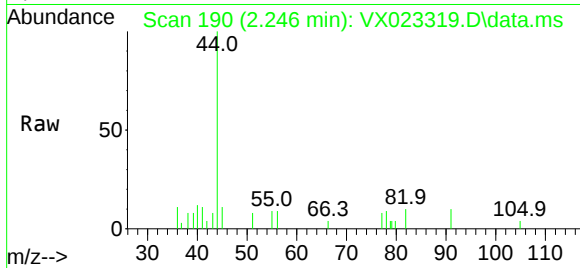




#13
Acrolein
Concen: 0.462 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

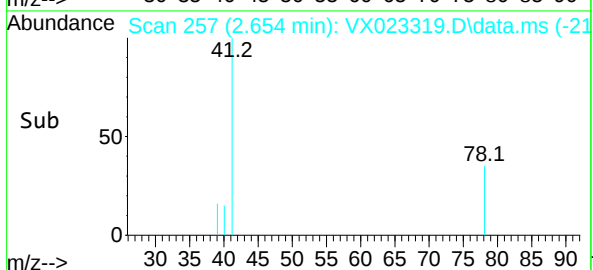
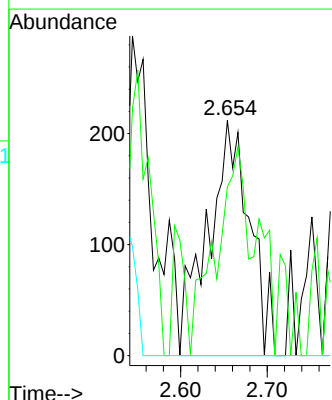
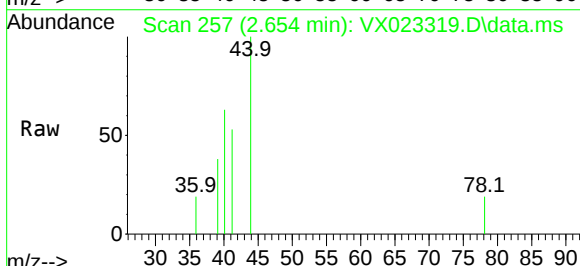
Instrument :
MSVOA_X
ClientSampleId :

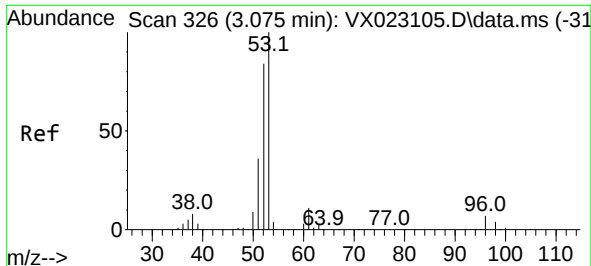
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 163.4 56.4 84.6#



#14
Allyl chloride
Concen: 0.209 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 41 Resp: 713
Ion Ratio Lower Upper
41 100
39 67.9 51.6 77.4
76 0.0 30.5 45.7#

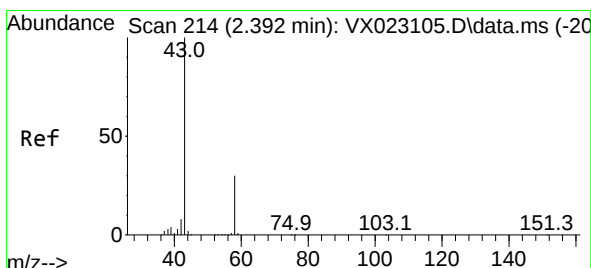
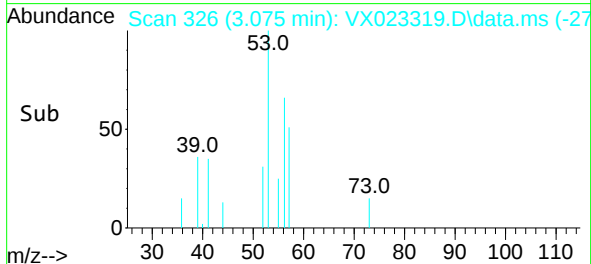
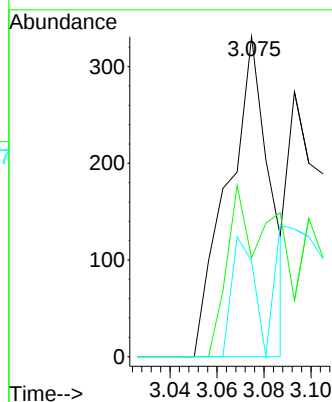
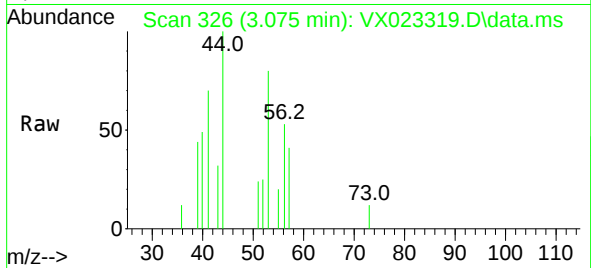




#15
Acrylonitrile
Concen: 0.340 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

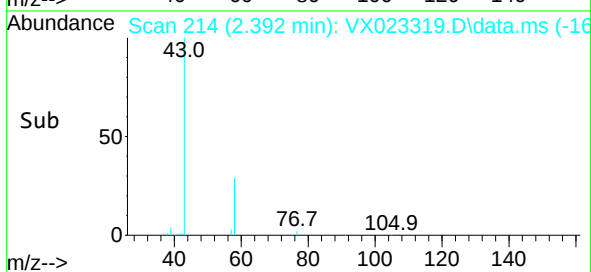
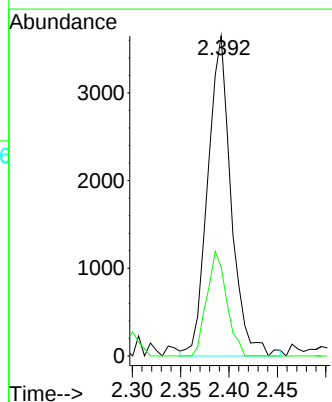
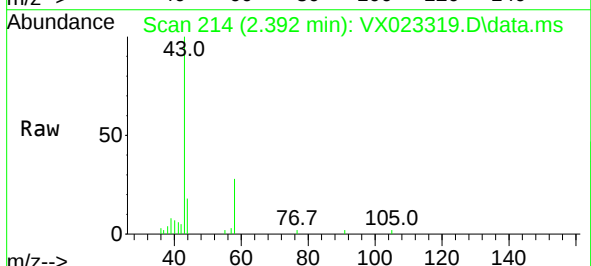
Instrument :
MSVOA_X
ClientSampled :

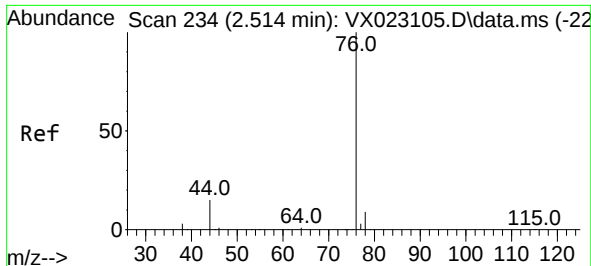
Tgt Ion: 53 Resp: 411
Ion Ratio Lower Upper
53 100
52 83.5 65.3 97.9
51 20.0 28.2 42.2#



#16
Acetone
Concen: 5.265 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8

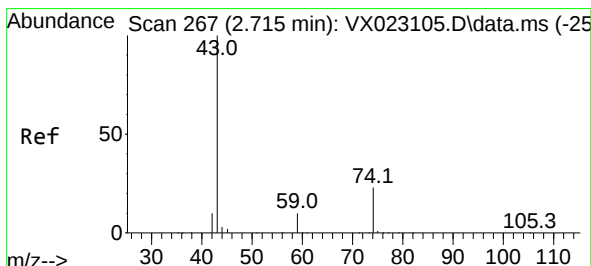
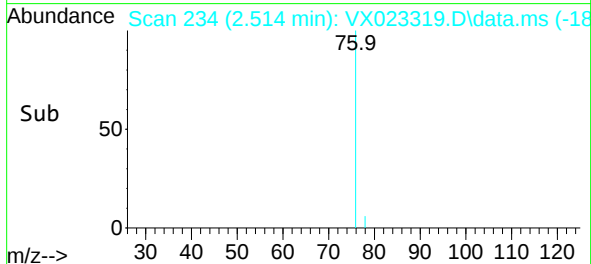
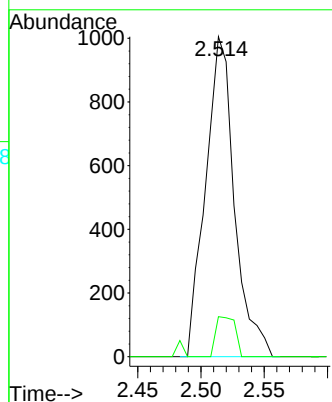
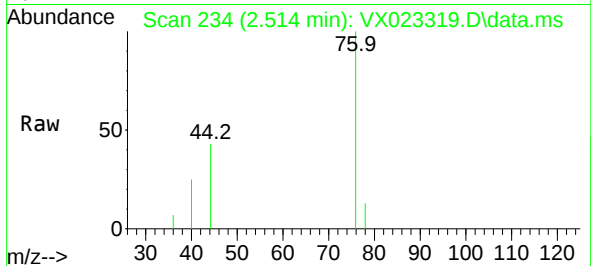




#17
Carbon Disulfide
Concen: 0.386 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

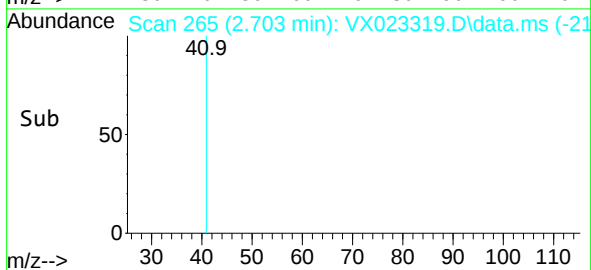
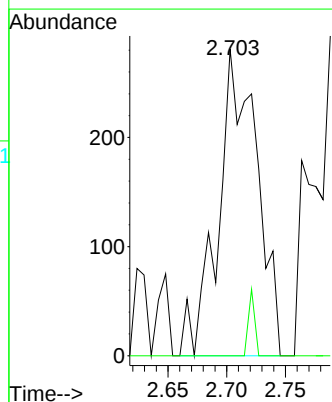
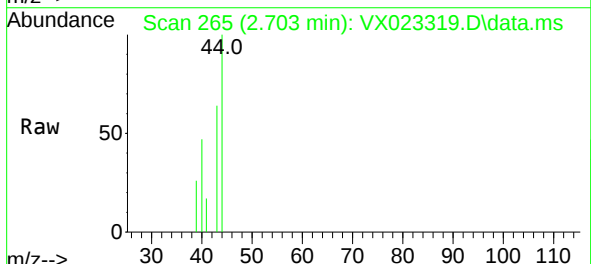
Instrument :
MSVOA_X
ClientSampled :

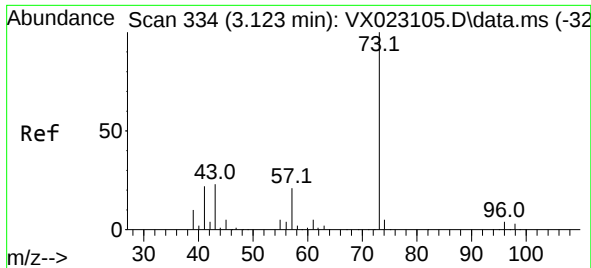
Tgt Ion: 76 Resp: 1596
Ion Ratio Lower Upper
76 100
78 12.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.012 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
74 3.4 21.9 32.9#

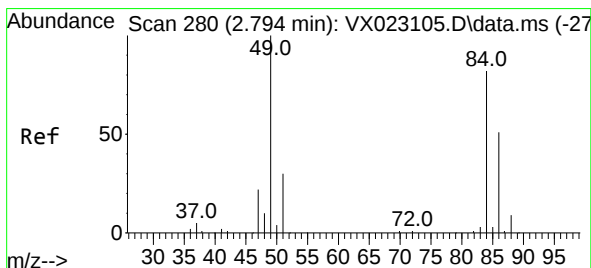
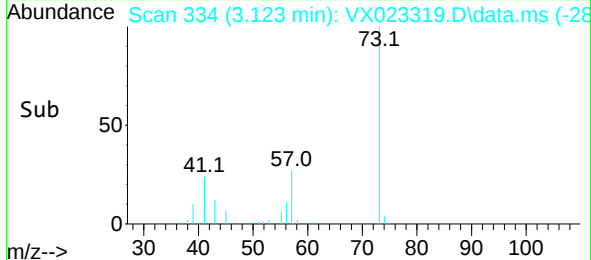
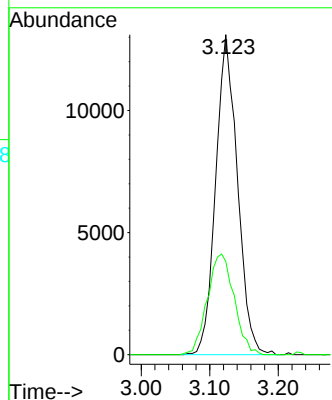
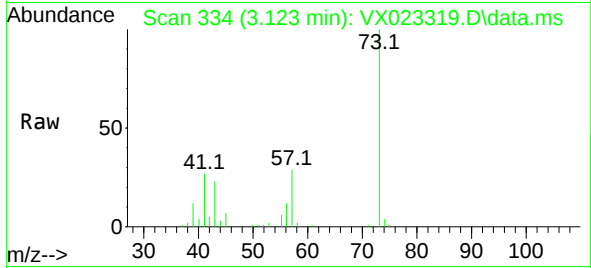




#19
Methyl tert-butyl Ether
Concen: 3.928 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

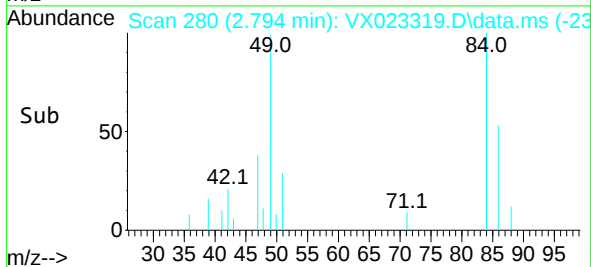
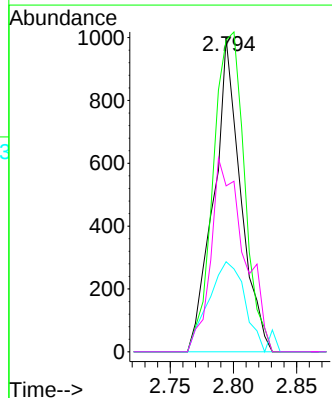
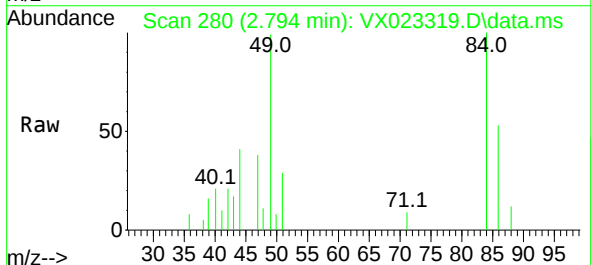
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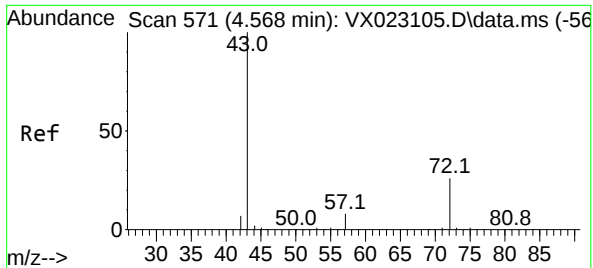
Tgt Ion: 73 Resp: 28783
Ion Ratio Lower Upper
73 100
57 29.1 17.1 25.7#



#20
Methylene Chloride
Concen: 0.585 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 84 Resp: 1473
Ion Ratio Lower Upper
84 100
49 99.3 88.6 132.8
51 28.7 27.0 40.6
86 52.9 50.3 75.5

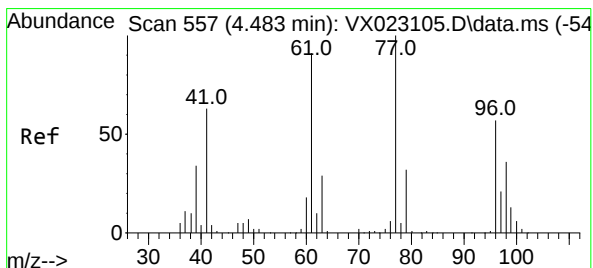
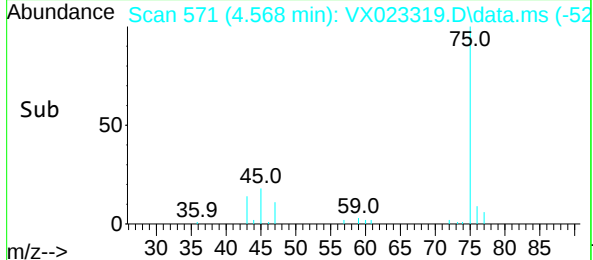
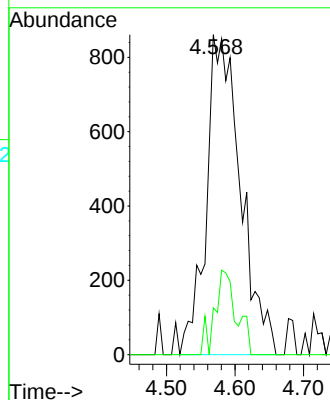
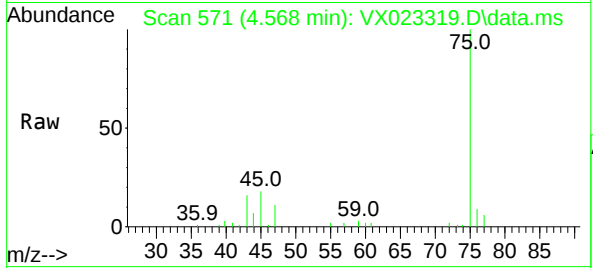




#25
2-Butanone
Concen: 1.696 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

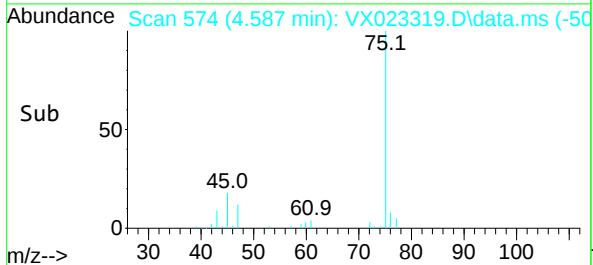
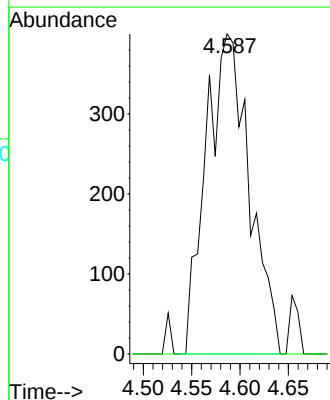
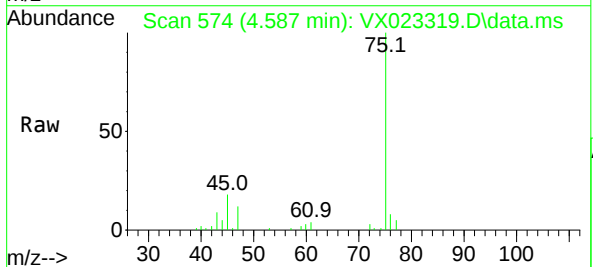
Instrument :
MSVOA_X
ClientSampleId :

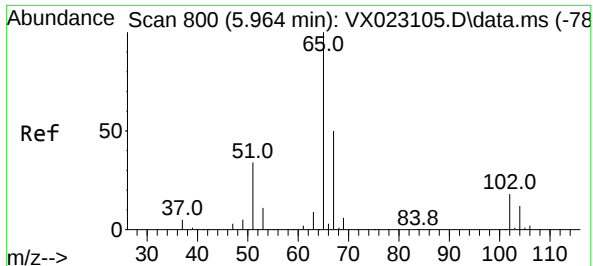
Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
72 14.6 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.367 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.104 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 77 Resp: 1248
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



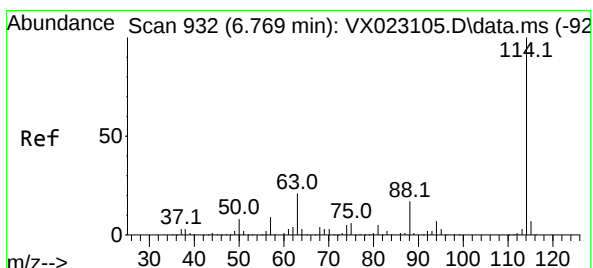
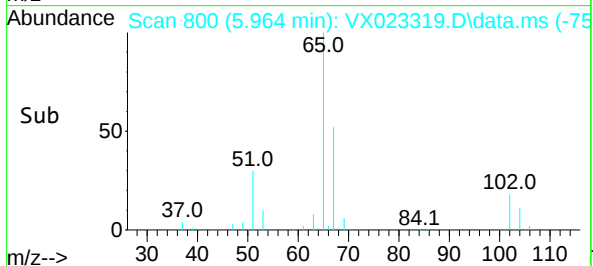
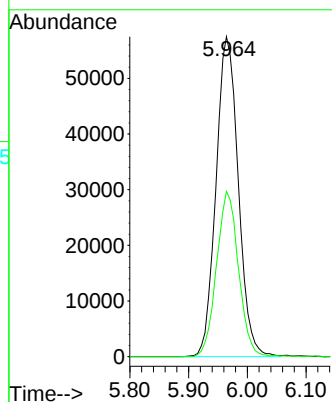
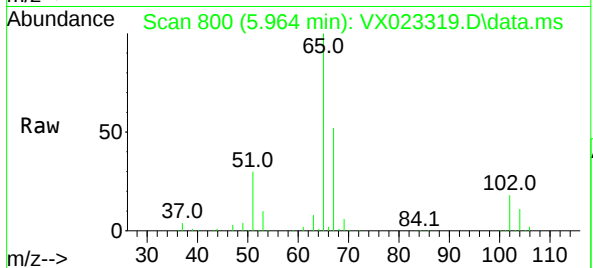


#33

1,2-Dichloroethane-d4
Concen: 51.237 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Instrument :
MSVOA_X
ClientSampled :

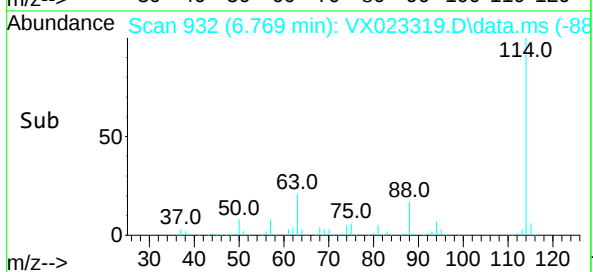
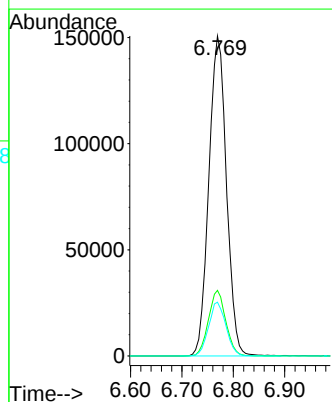
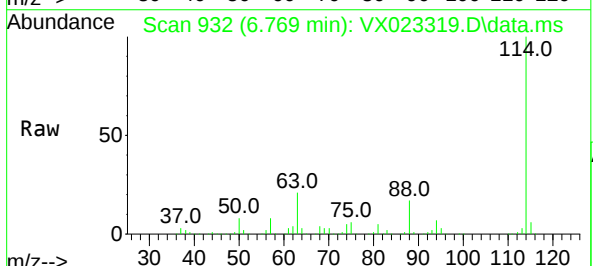
Tgt Ion: 65 Resp: 151363
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

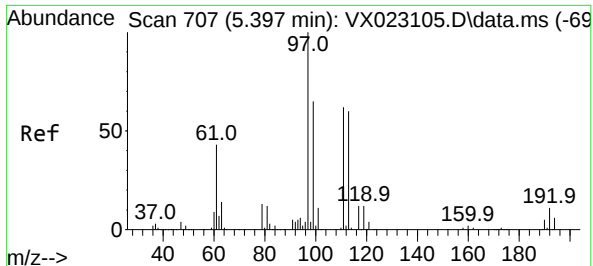


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 114 Resp: 358419
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.864 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023319.D

Acq: 16 Jul 2021 11:46

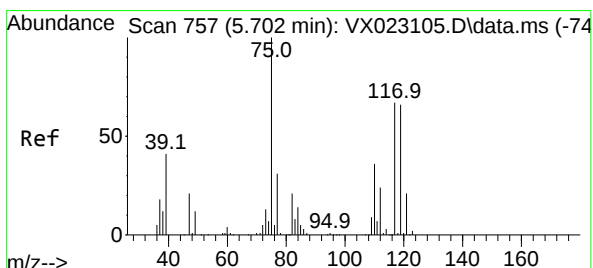
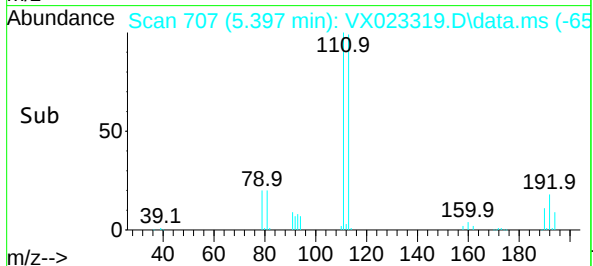
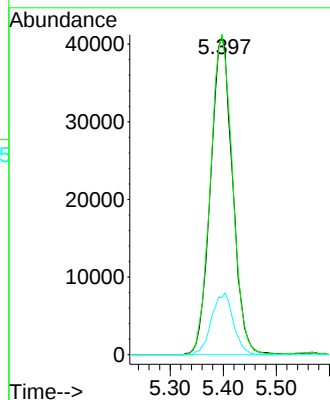
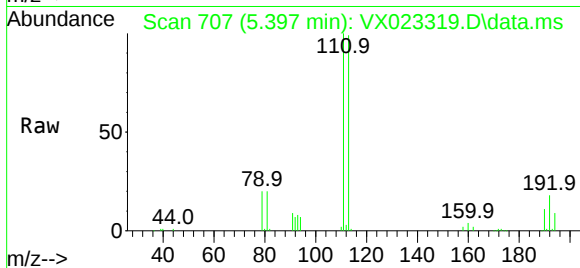
Tgt Ion:113 Resp: 117726

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 19.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.410 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023319.D

Acq: 16 Jul 2021 11:46

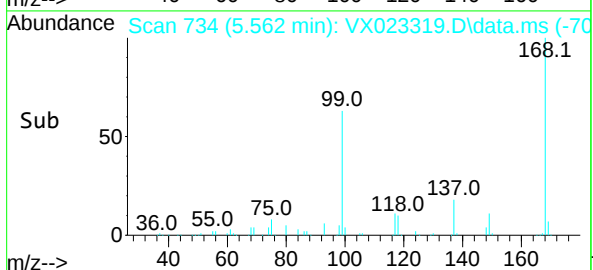
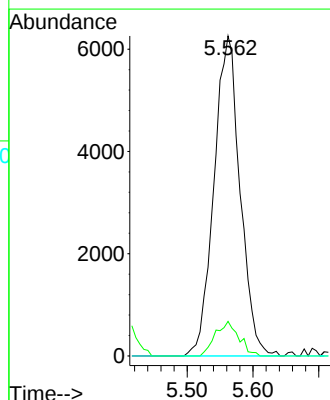
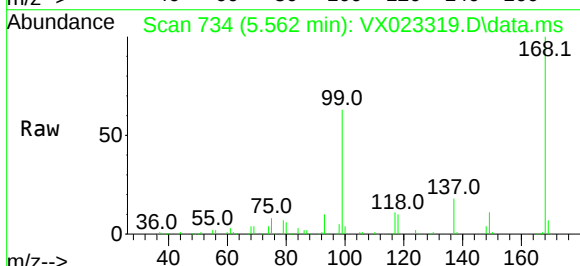
Tgt Ion: 75 Resp: 17286

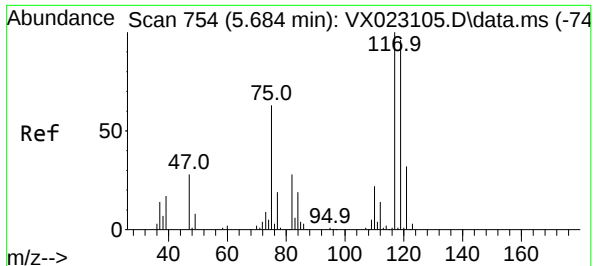
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

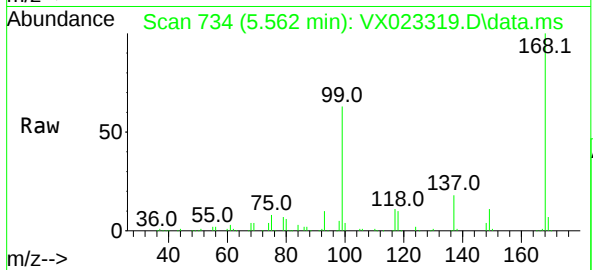
77 0.0 25.3 37.9#



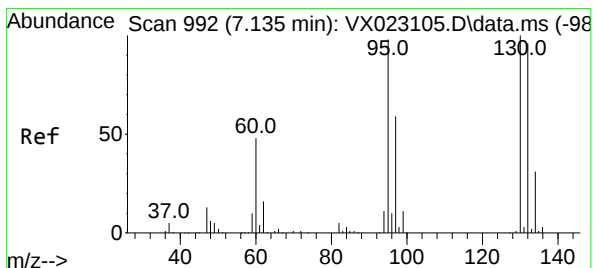
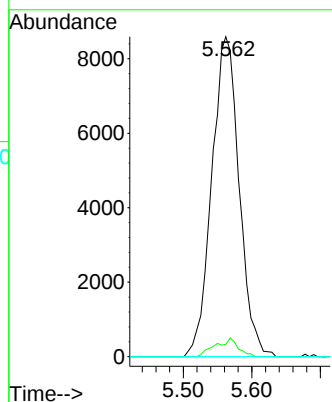
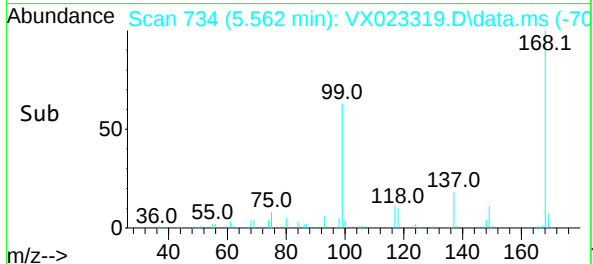


#38
Carbon Tetrachloride
Concen: 7.144 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

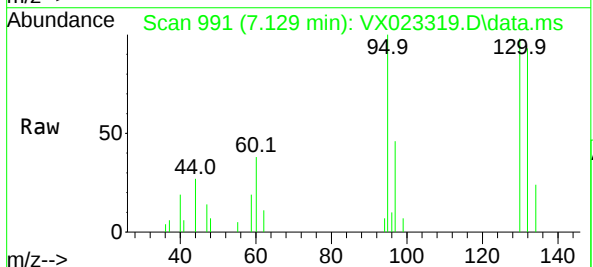
Instrument :
MSVOA_X
ClientSampleId :



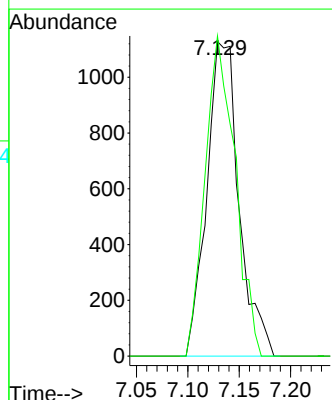
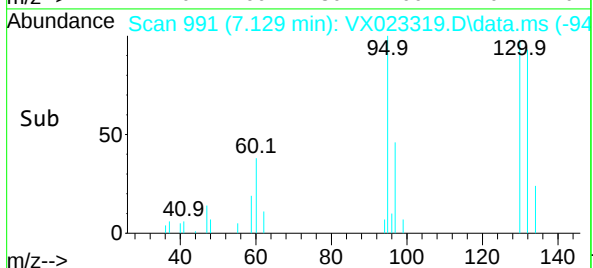
Tgt Ion:117 Resp: 23828
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.2#
121 0.0 24.8 37.2#

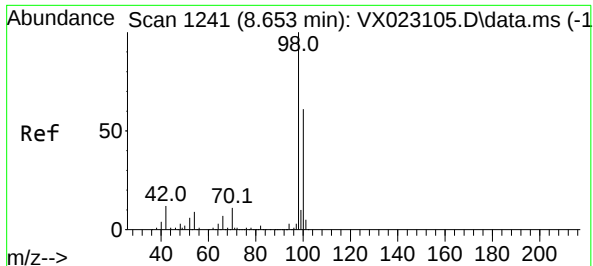


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46



Tgt Ion:130 Resp: 2456
Ion Ratio Lower Upper
130 100
95 101.8 0.0 198.0

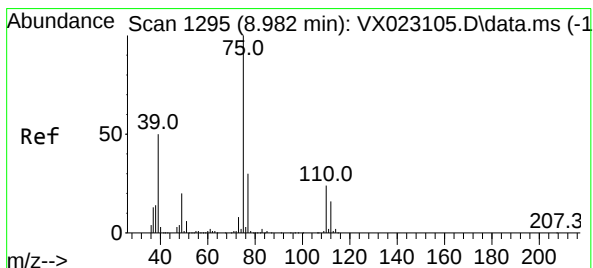
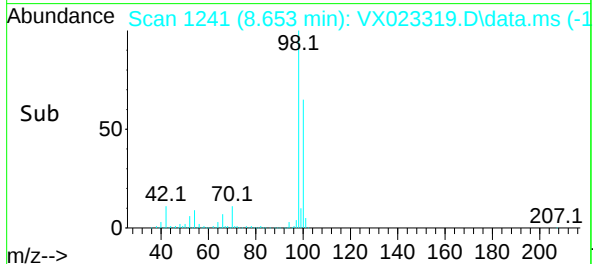
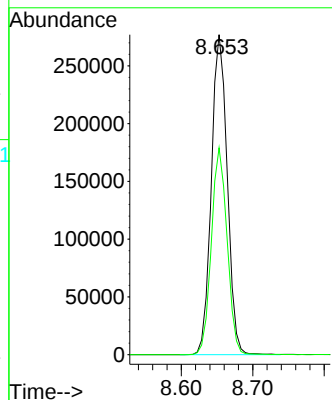
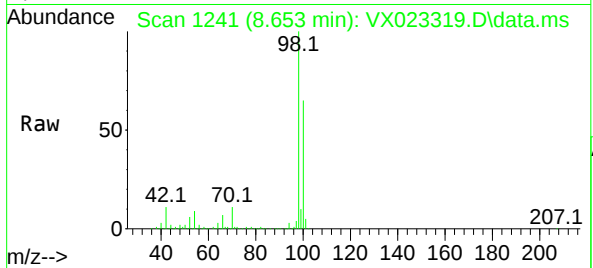




#50
Toluene-d8
Concen: 49.506 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

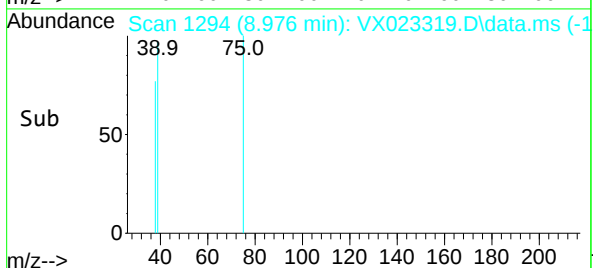
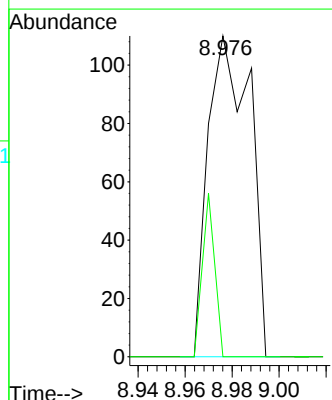
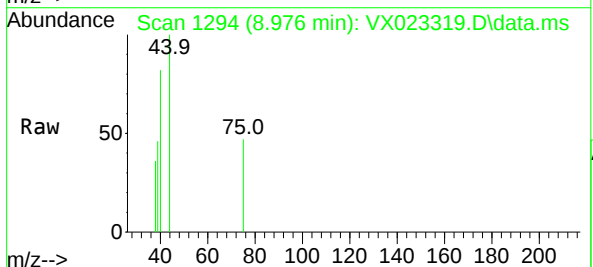
Instrument :
MSVOA_X
ClientSampled :

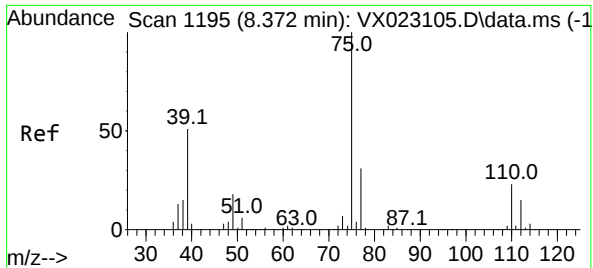
Tgt Ion: 98 Resp: 427424
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.769 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

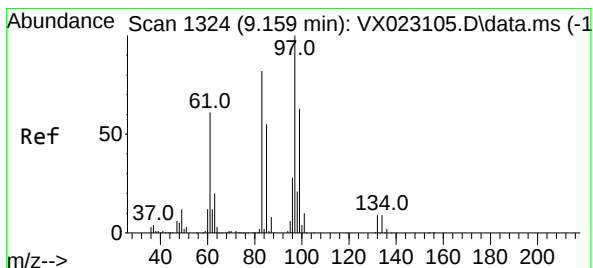
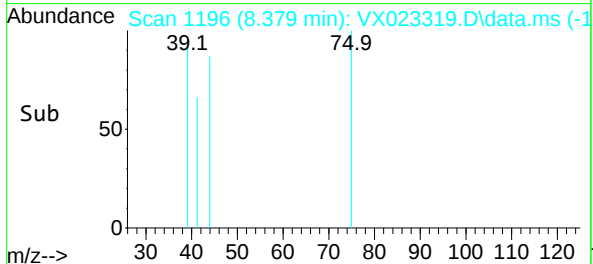
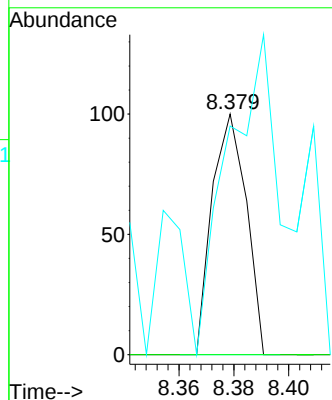
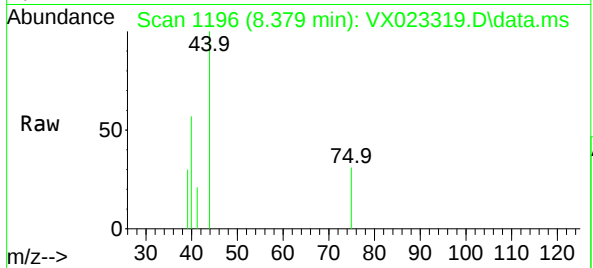




#54
cis-1,3-Dichloropropene
Concen: 2.193 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.007 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

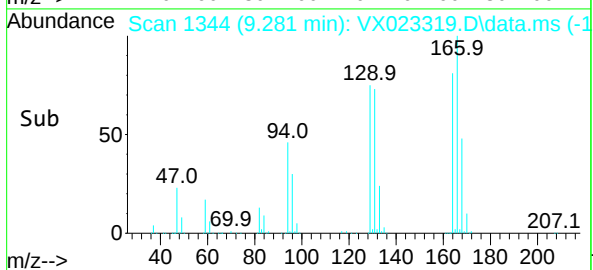
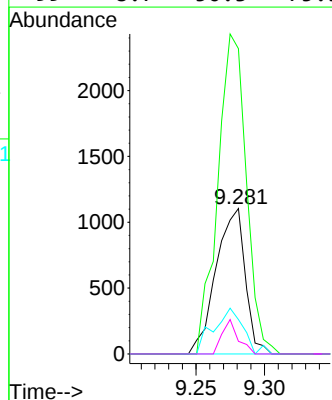
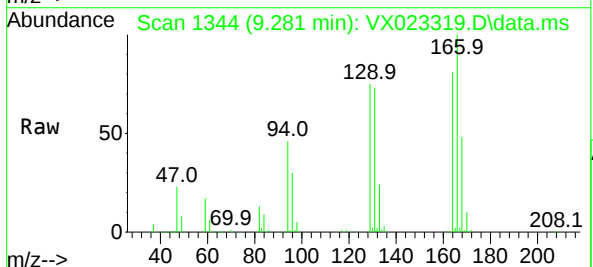
Instrument :
MSVOA_X
ClientSampled :

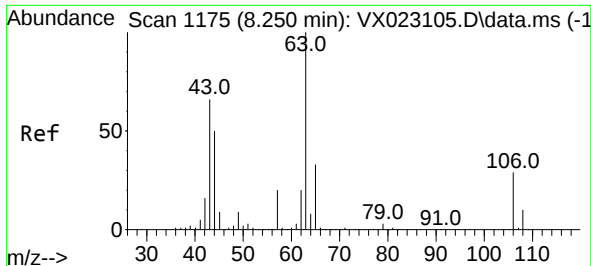
Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 43.0 35.1 52.7



#55
1,1,2-Trichloroethane
Concen: 0.649 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.122 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 97 Resp: 1636
Ion Ratio Lower Upper
97 100
83 210.0 69.3 103.9#
85 23.6 44.3 66.5#
99 8.7 50.3 75.5#

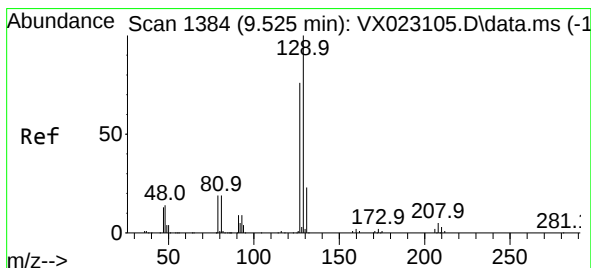
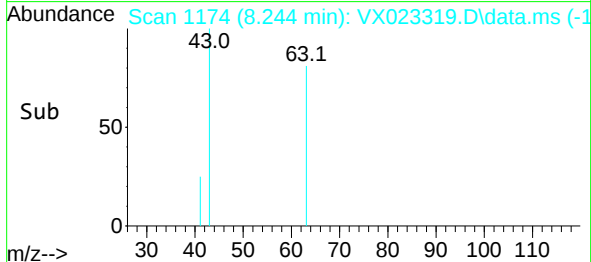
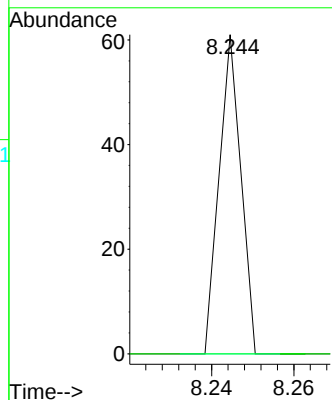
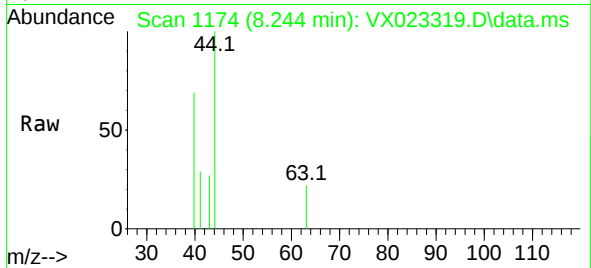




#58
2-Chloroethyl Vinyl ether
Concen: 4.700 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

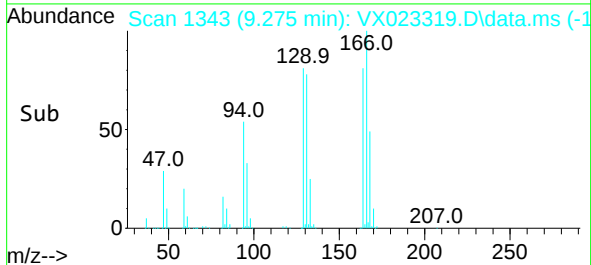
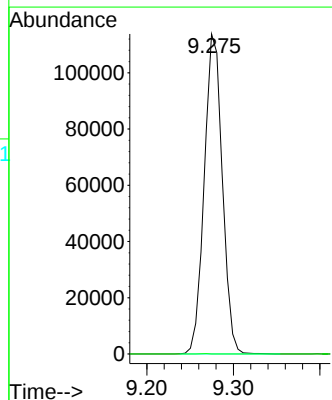
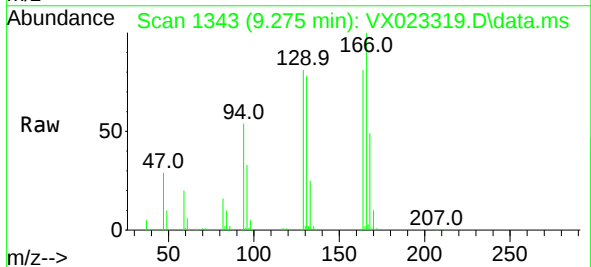
Instrument :
MSVOA_X
ClientSampled :

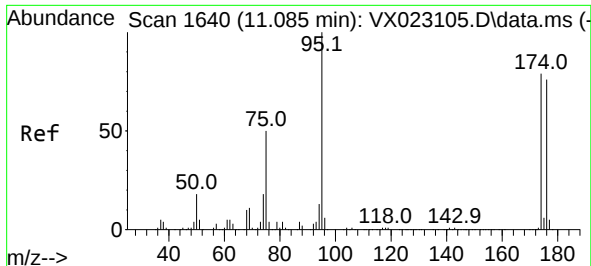
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 58.057 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 129 Resp: 164944
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

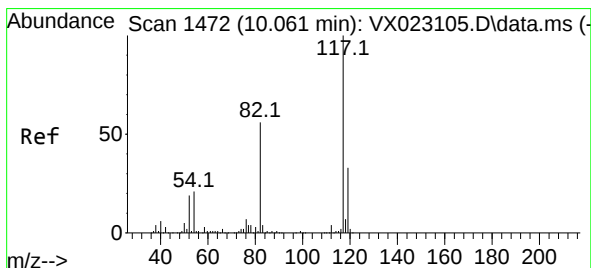
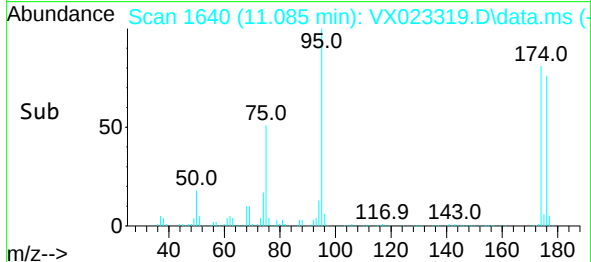
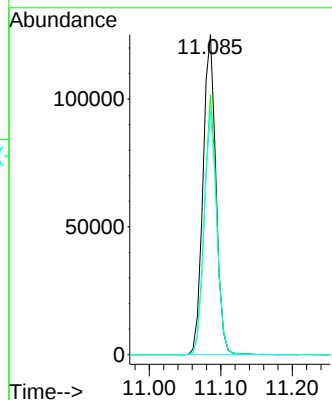
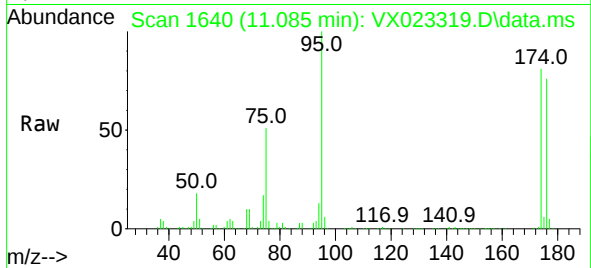




#62
4-Bromofluorobenzene
Concen: 46.975 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

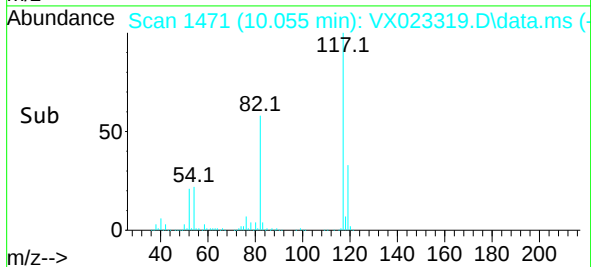
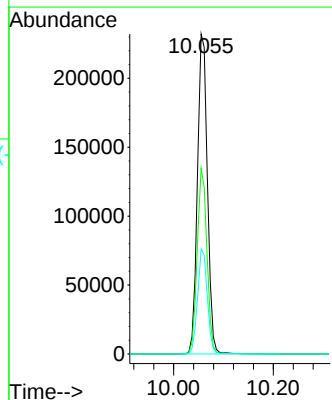
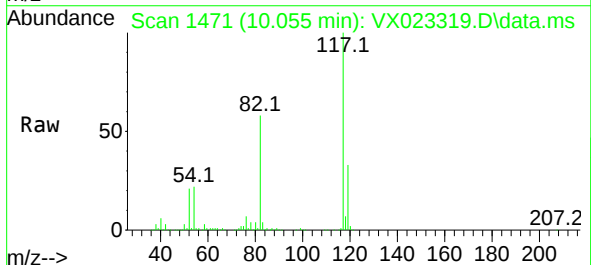
Instrument :
MSVOA_X
ClientSampleId :

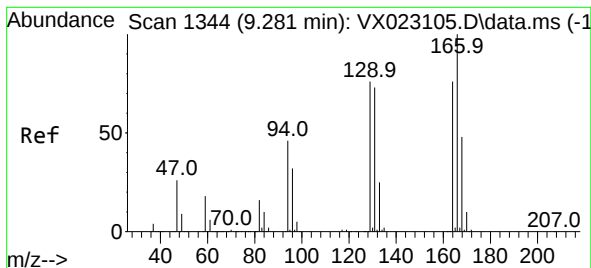
Tgt Ion: 95 Resp: 156571
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 74.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 117 Resp: 321863
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.9 26.6 39.8





#64

Tetrachloroethene

Concen: 65.344 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.000 min

Lab File: VX023319.D

Acq: 16 Jul 2021 11:46

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:164 Resp: 167748

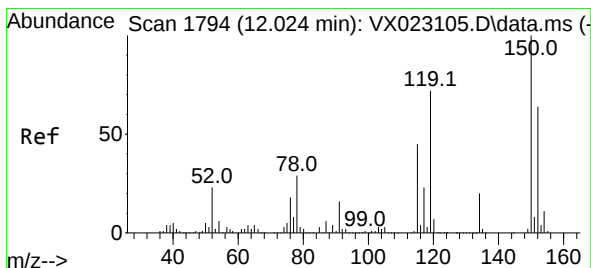
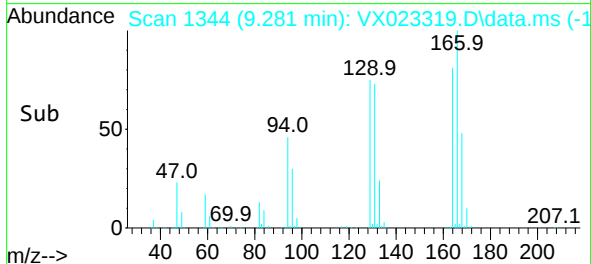
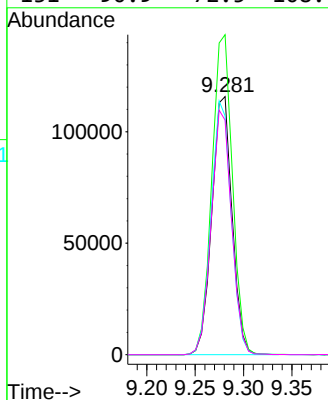
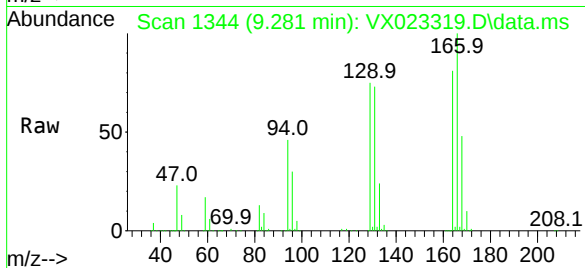
Ion Ratio Lower Upper

164 100

166 124.0 103.4 155.2

129 92.5 70.8 106.2

131 90.9 72.5 108.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX023319.D

Acq: 16 Jul 2021 11:46

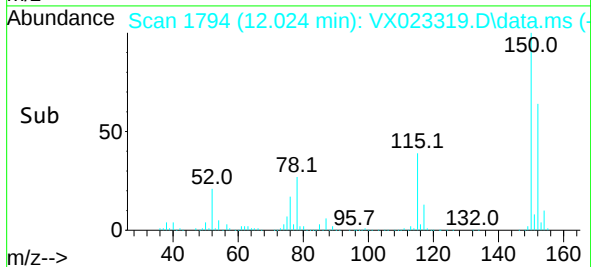
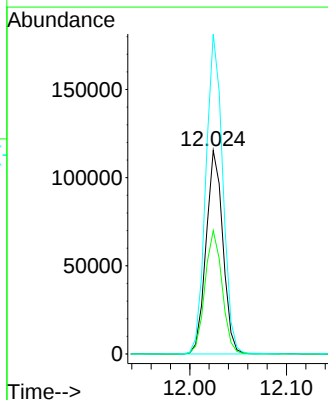
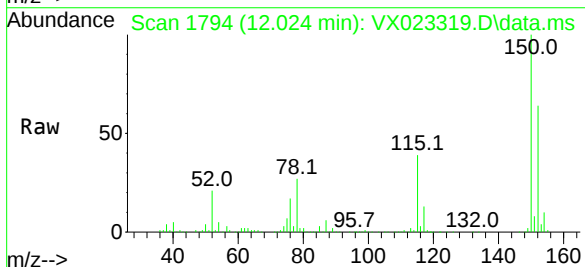
Tgt Ion:152 Resp: 139059

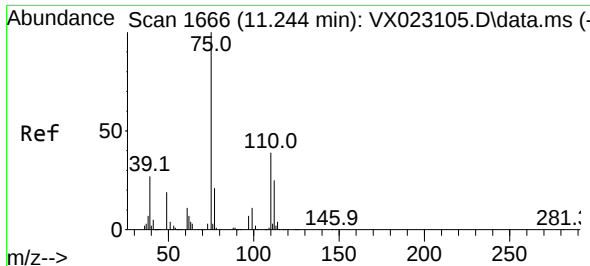
Ion Ratio Lower Upper

152 100

115 61.8 41.1 123.3

150 158.2 0.0 349.0

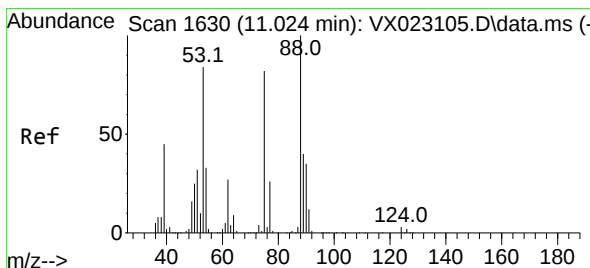
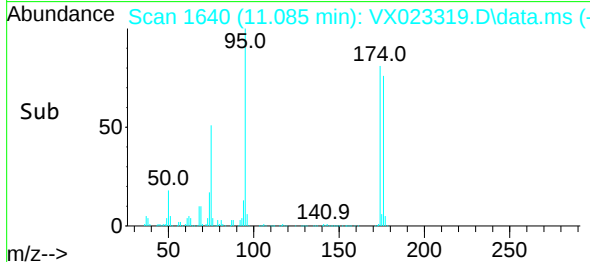
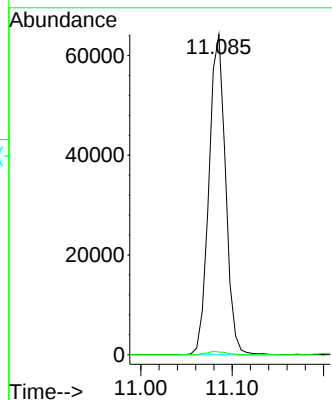
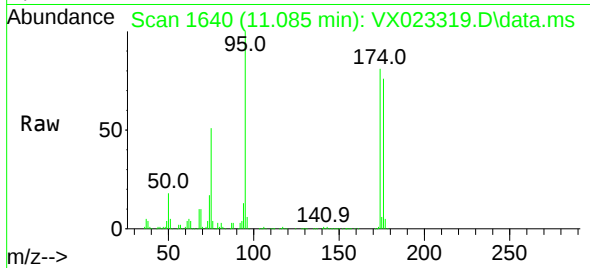




#76
1,2,3-Trichloropropane
Concen: 28.986 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

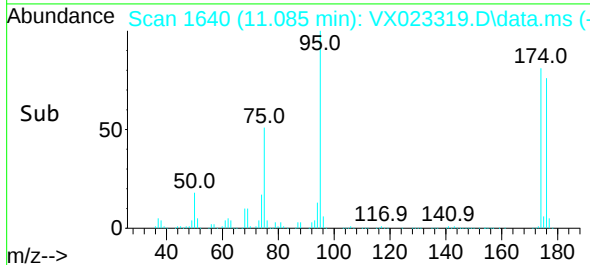
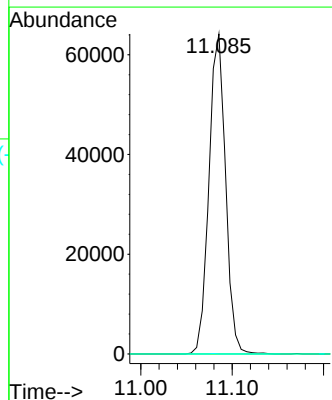
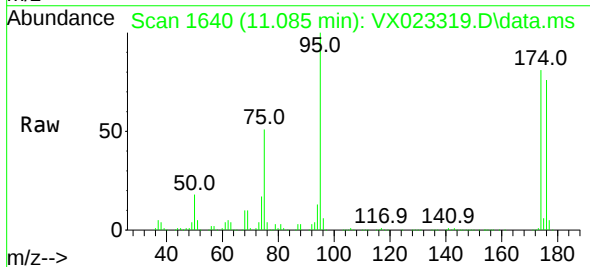
Instrument :
MSVOA_X
ClientSampled :

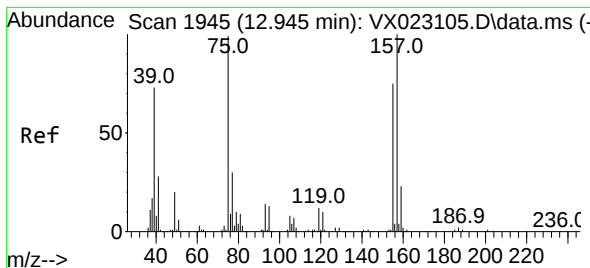
Tgt Ion: 75 Resp: 81113
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.989 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

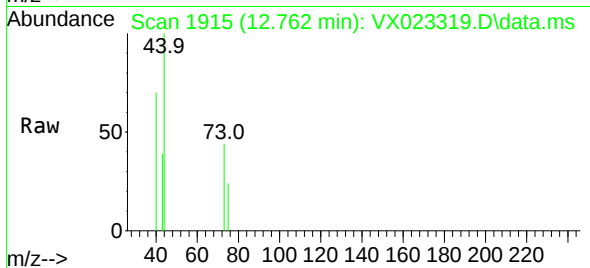
Tgt Ion: 75 Resp: 81113
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



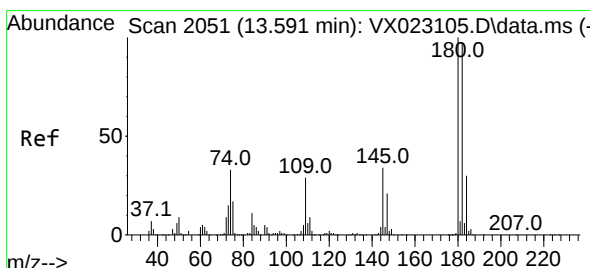
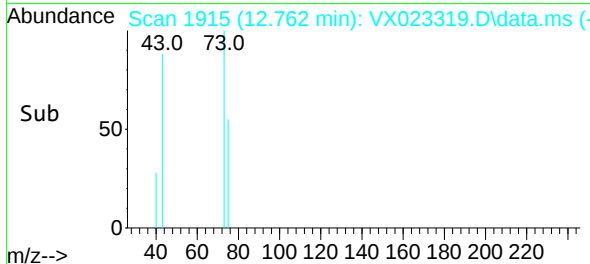
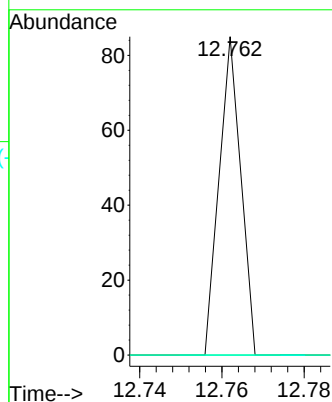


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.609 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Instrument :
MSVOA_X
ClientSampleId :

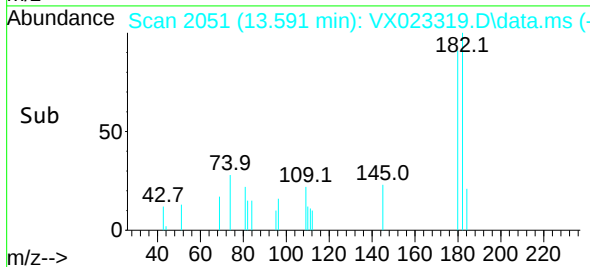
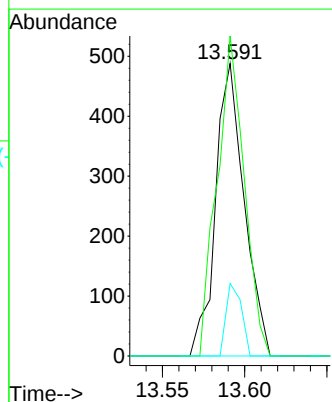
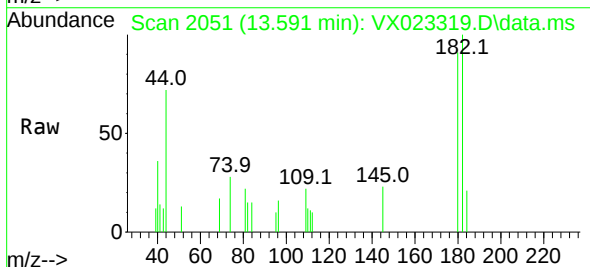


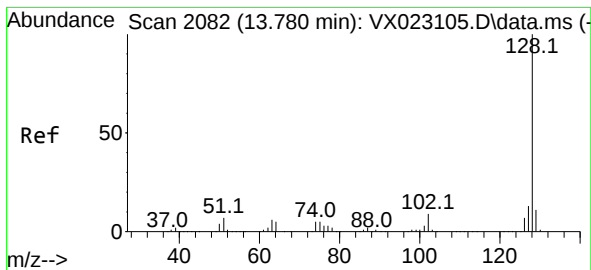
Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.210 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Tgt Ion: 180 Resp: 591
Ion Ratio Lower Upper
180 100
182 104.1 47.7 143.1
145 13.4 15.0 45.0#





#95
Naphthalene
Concen: 1.408 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023319.D
Acq: 16 Jul 2021 11:46

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 1415
Ion Ratio Lower Upper
128 100
127 10.9 10.3 15.5
129 7.0 8.8 13.2#

