

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023195.D
 Acq On : 08 Jul 2021 13:31
 Operator : JC/MD
 Sample : M2953-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 09 02:09:58 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)

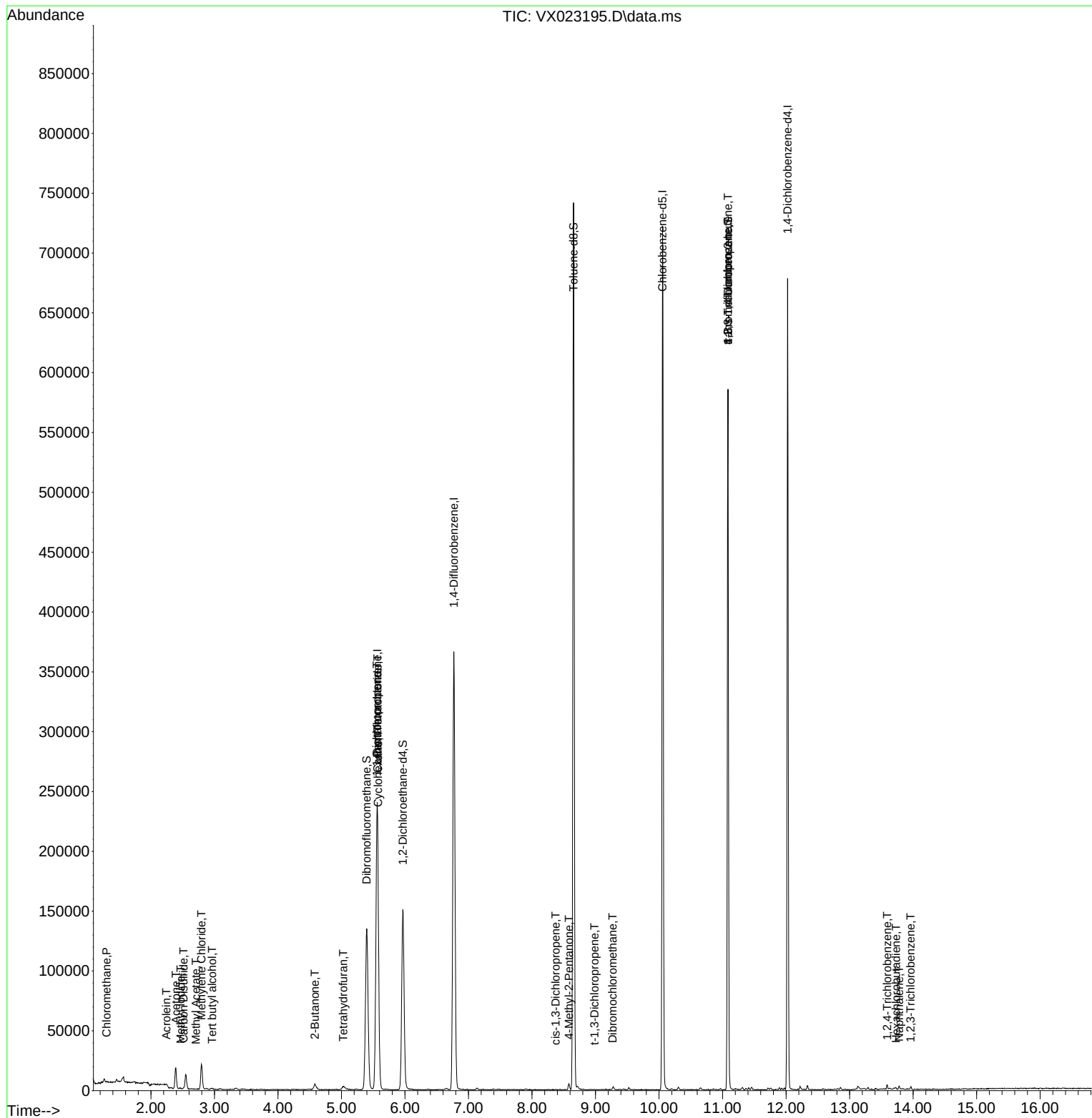
Internal Standards						
1) Pentafluorobenzene	5.562	168	223072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	363608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152011	50.703	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.400%	
35) Dibromofluoromethane	5.397	113	116224	49.499	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.000%	
50) Toluene-d8	8.653	98	429941	49.087	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.180%	
62) 4-Bromofluorobenzene	11.085	95	153365	45.356	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	90.720%	
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	433	0.217	ug/l	93
5) Bromomethane	1.630	94	608	Below Cal		89
10) Methyl Iodide	2.465	142	704	0.266	ug/l #	74
11) Tert butyl alcohol	2.965	59	462	0.732	ug/l #	73
13) Acrolein	2.239	56	293	0.698	ug/l	89
16) Acetone	2.392	43	19414	16.367	ug/l	91
17) Carbon Disulfide	2.514	76	1166	0.278	ug/l	99
18) Methyl Acetate	2.709	43	640	0.222	ug/l #	47
20) Methylene Chloride	2.794	84	9373	3.670	ug/l	91
25) 2-Butanone	4.580	43	4986	2.788	ug/l #	82
29) Tetrahydrofuran	5.025	42	2768	2.407	ug/l #	86
31) Cyclohexane	5.574	56	5231	1.457	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	16983	5.239	ug/l #	50
38) Carbon Tetrachloride	5.568	117	22760	6.727	ug/l #	18
51) 4-Methyl-2-Pentanone	8.580	43	2791	0.766	ug/l	91
53) t-1,3-Dichloropropene	8.982	75	183	2.779	ug/l #	44
54) cis-1,3-Dichloropropene	8.372	75	90	2.193	ug/l #	1
60) Dibromochloromethane	9.269	129	130	3.155	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	79116	29.516	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	79116	79.328	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	709	0.263	ug/l	97
94) Hexachlorobutadiene	13.731	225	260	0.228	ug/l #	53
95) Naphthalene	13.780	128	1884	1.460	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.963	180	675	0.249	ug/l #	88

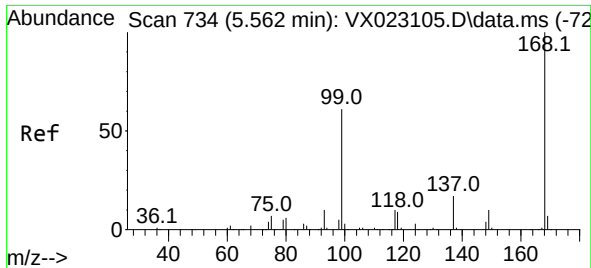
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :

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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

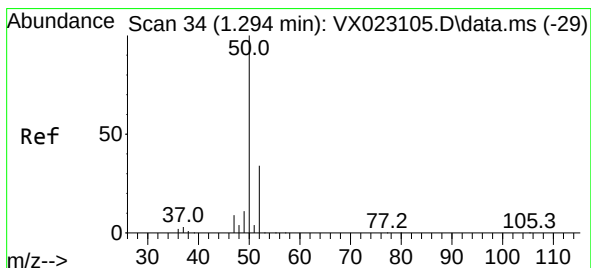
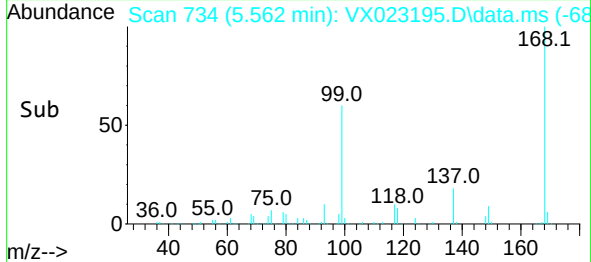
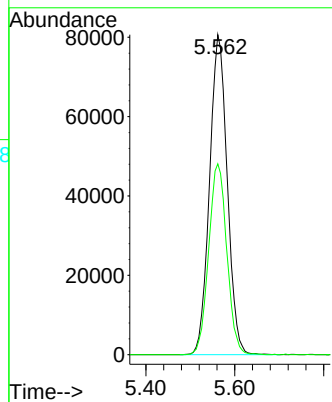
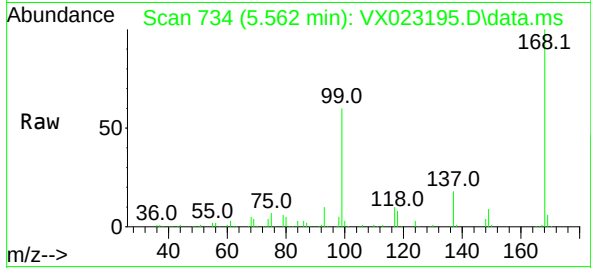




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

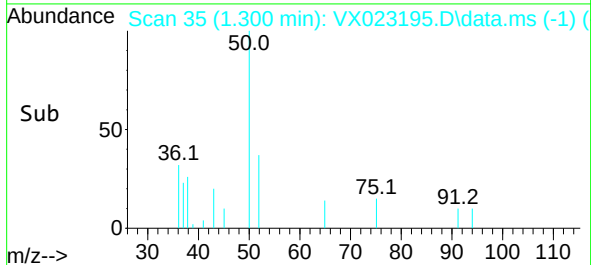
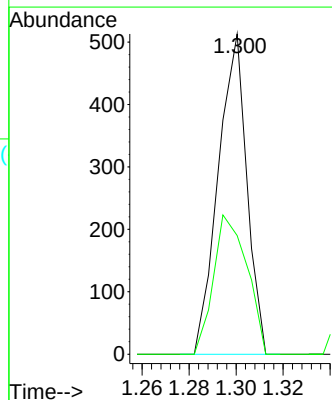
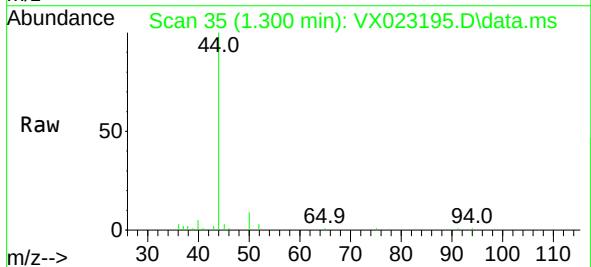
Instrument :
MSVOA_X
ClientSampled :

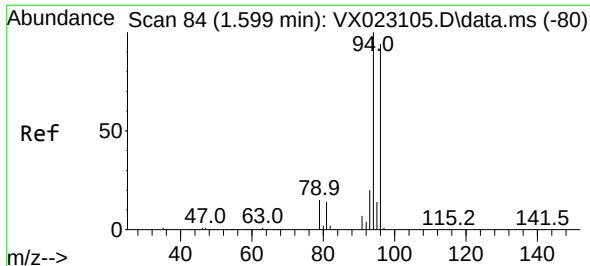
Tgt Ion:168 Resp: 223072
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 37.0 26.4 39.6

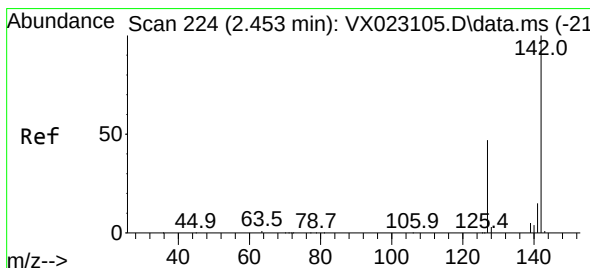
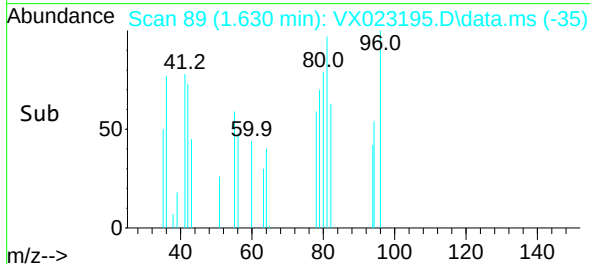
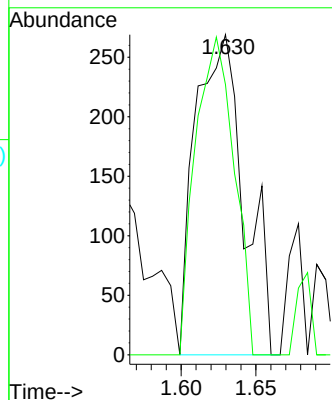
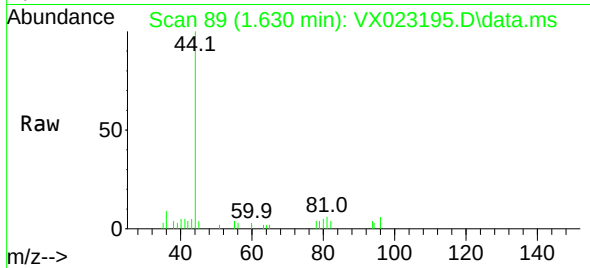




#5
Bromomethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

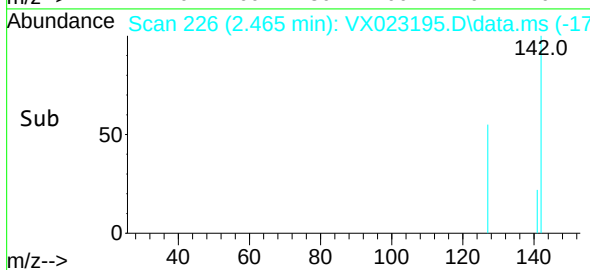
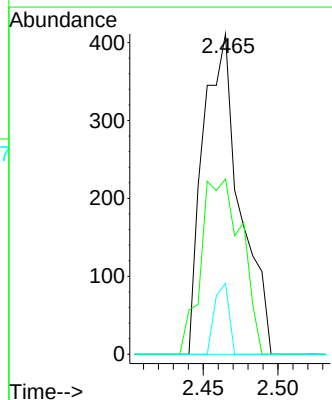
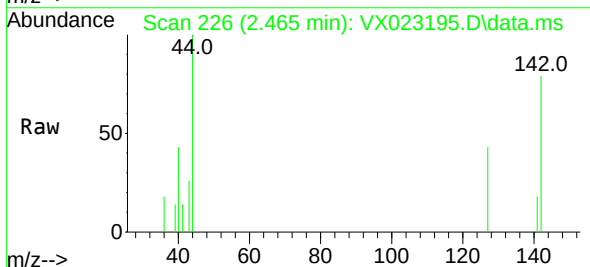
Instrument :
MSVOA_X
ClientSampleId :

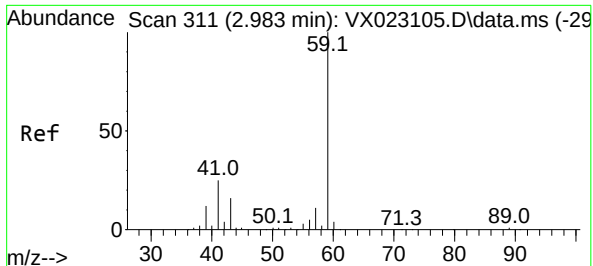
Tgt Ion: 94 Resp: 608
Ion Ratio Lower Upper
94 100
96 84.4 76.4 114.6



#10
Methyl Iodide
Concen: 0.266 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 142 Resp: 704
Ion Ratio Lower Upper
142 100
127 60.4 33.3 49.9#
141 8.7 11.4 17.0#



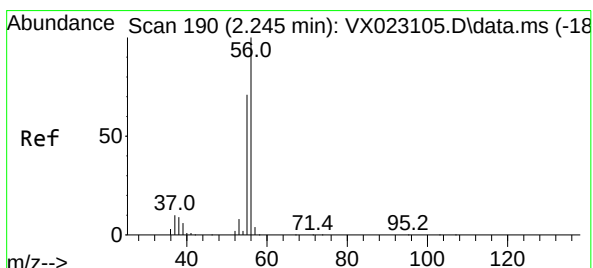
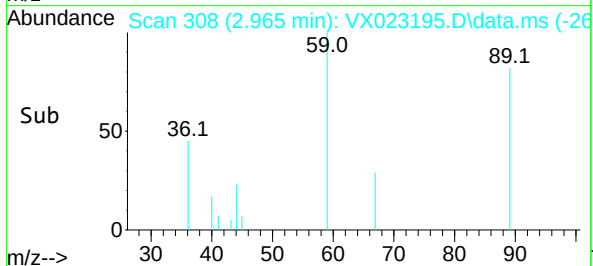
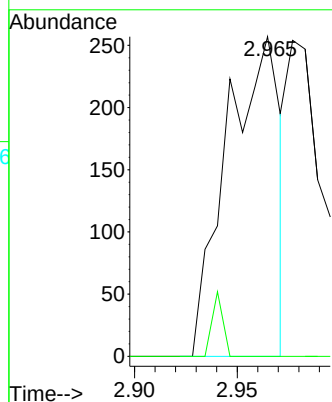
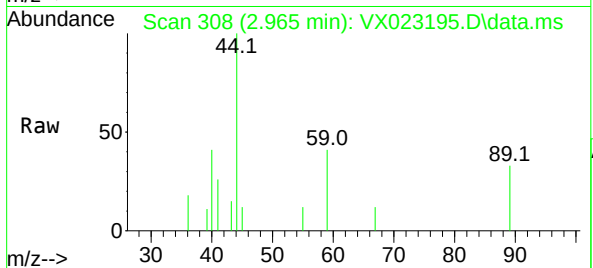


#11

Tert butyl alcohol
Concen: 0.732 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Instrument :
MSVOA_X
ClientSampled :

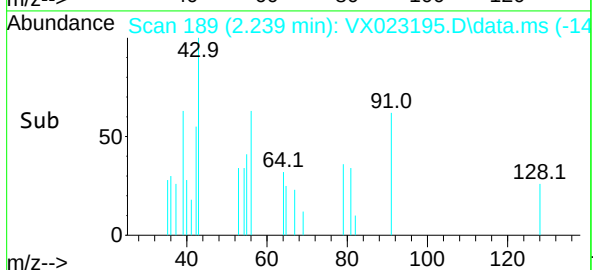
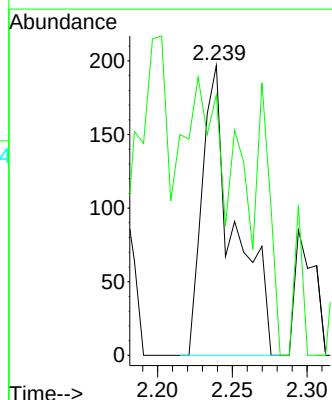
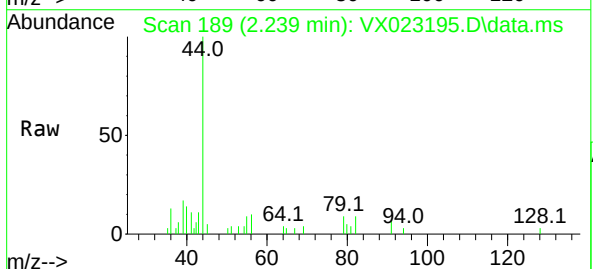
Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

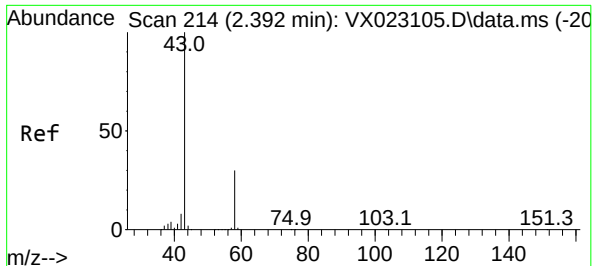


#13

Acrolein
Concen: 0.698 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 79.2 56.4 84.6

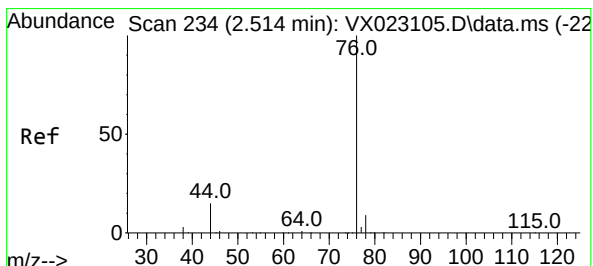
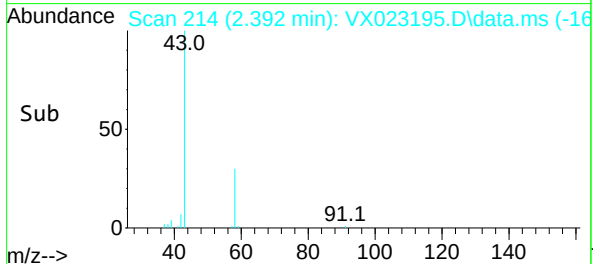
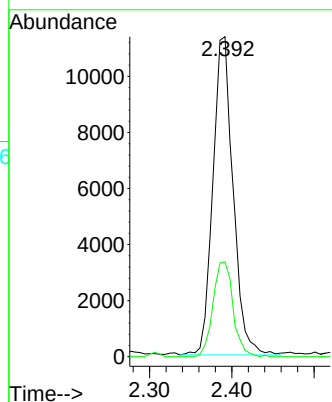
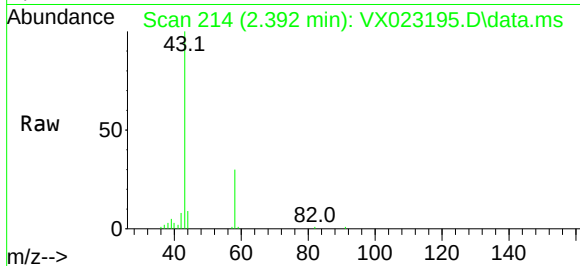




#16
Acetone
Concen: 16.367 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

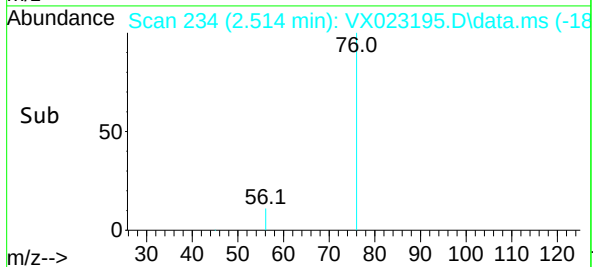
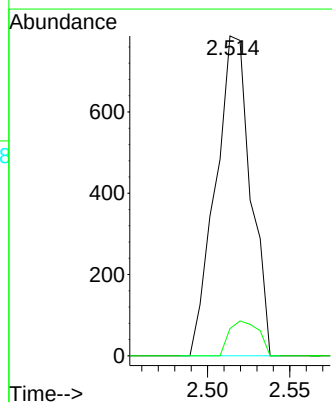
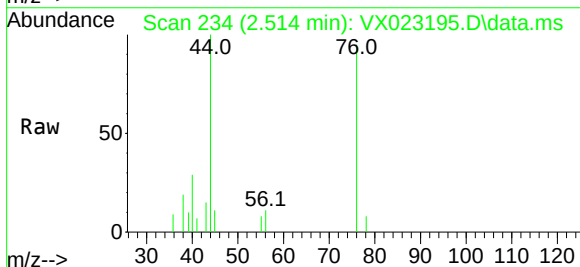
Instrument :
MSVOA_X
ClientSampled :

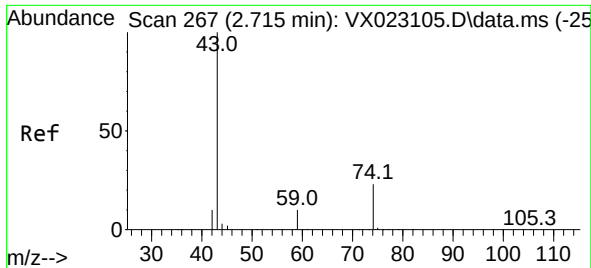
Tgt Ion: 43 Resp: 19414
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 76 Resp: 1166
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

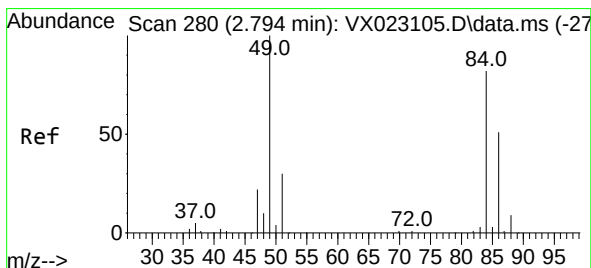
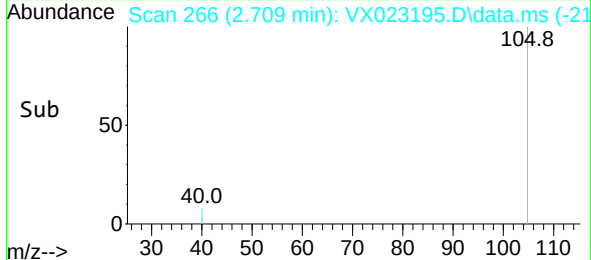
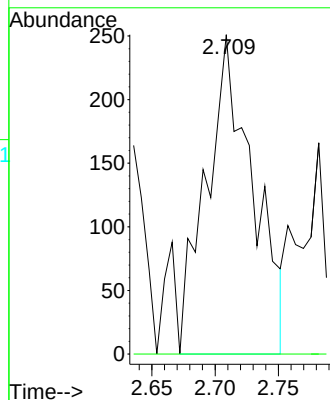
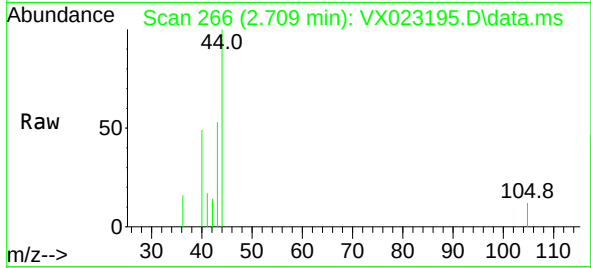




#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

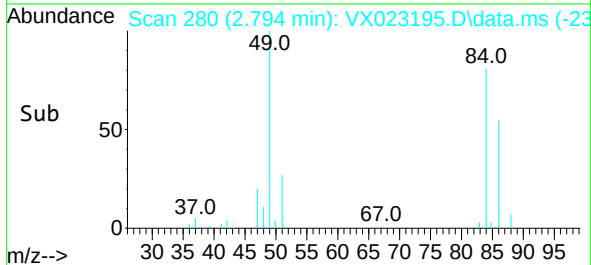
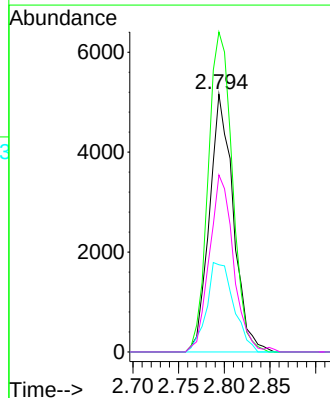
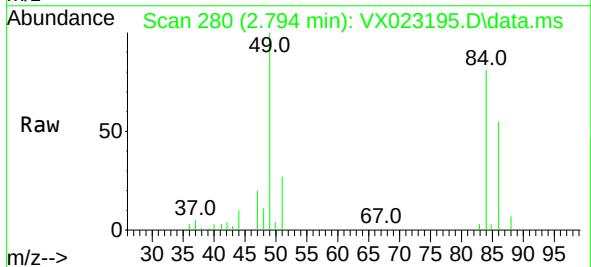
Instrument :
MSVOA_X
ClientSampled :

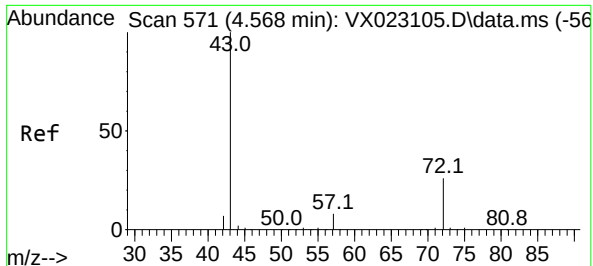
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 3.670 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 84 Resp: 9373
Ion Ratio Lower Upper
84 100
49 124.1 88.6 132.8
51 33.8 27.0 40.6
86 68.7 50.3 75.5

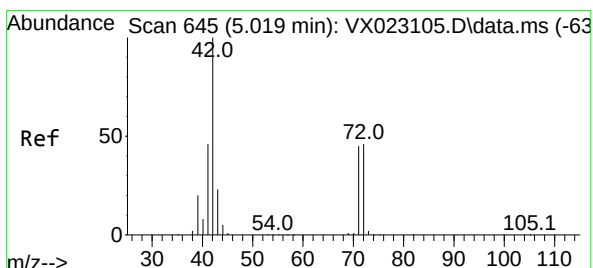
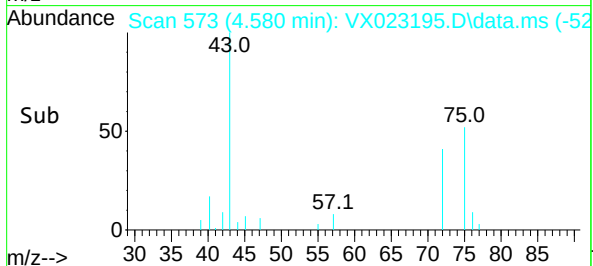
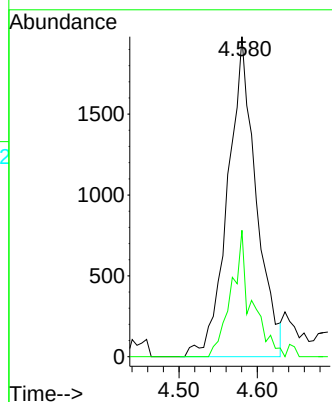
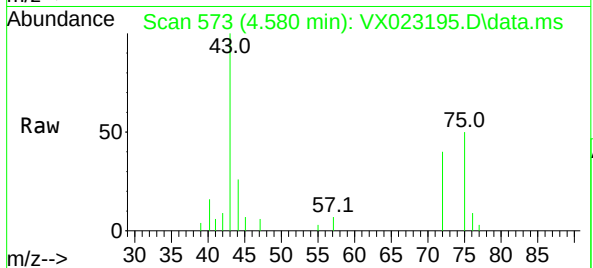




#25
2-Butanone
Concen: 2.788 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

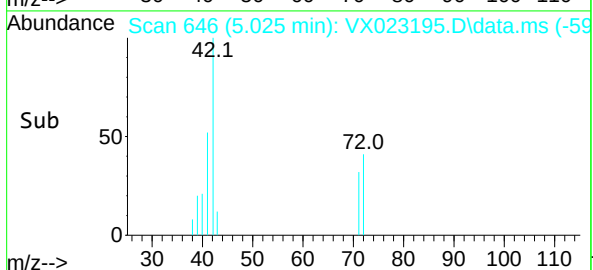
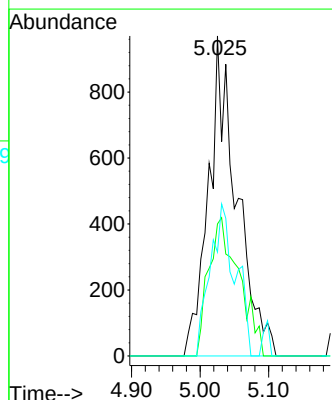
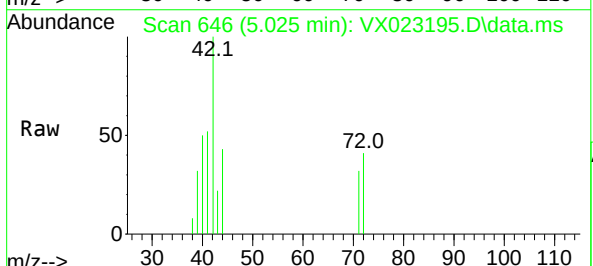
Instrument :
MSVOA_X
ClientSampled :

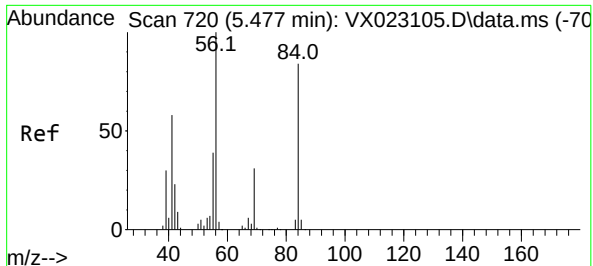
Tgt Ion: 43 Resp: 4986
Ion Ratio Lower Upper
43 100
72 39.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 2.407 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

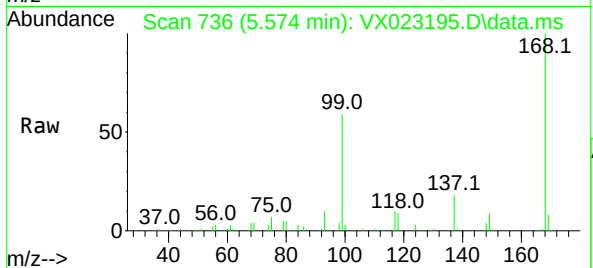
Tgt Ion: 42 Resp: 2768
Ion Ratio Lower Upper
42 100
72 46.8 41.7 62.5
71 34.1 38.4 57.6#



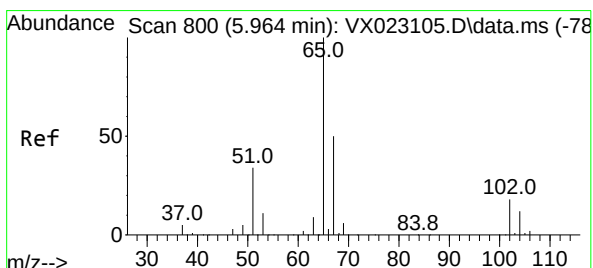
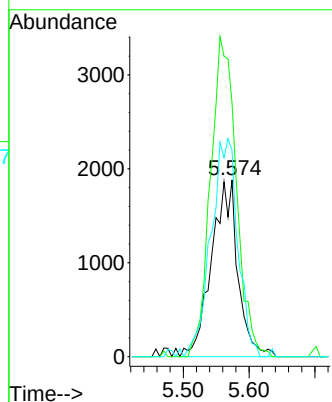
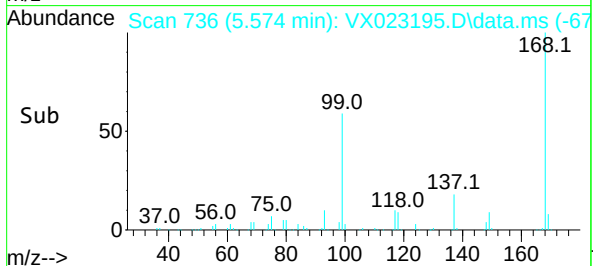


#31
Cyclohexane
Concen: 1.457 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.097 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

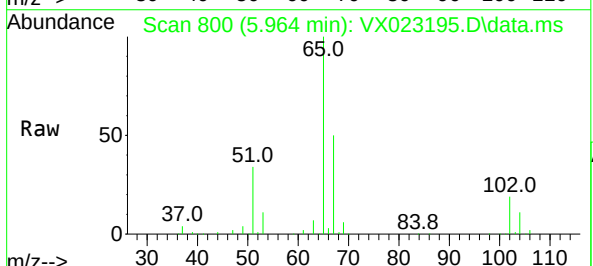
Instrument :
MSVOA_X
ClientSampled :



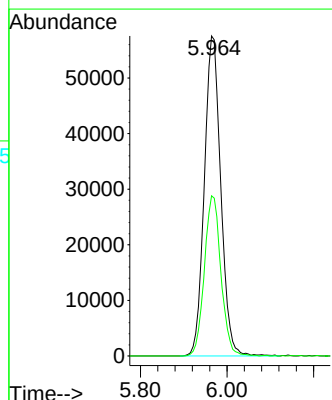
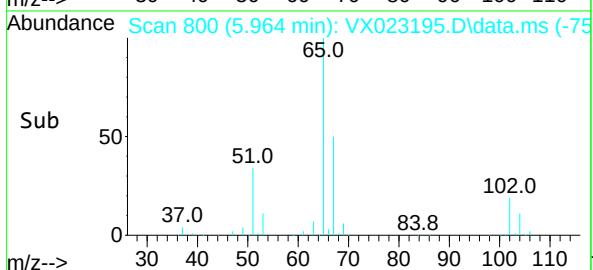
Tgt Ion: 56 Resp: 5231
Ion Ratio Lower Upper
56 100
69 143.4 25.3 37.9#
84 116.5 71.4 107.0#

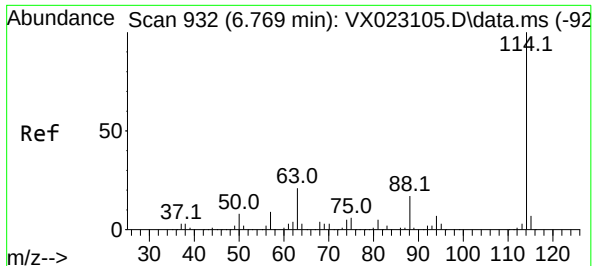


#33
1,2-Dichloroethane-d4
Concen: 50.703 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31



Tgt Ion: 65 Resp: 152011
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

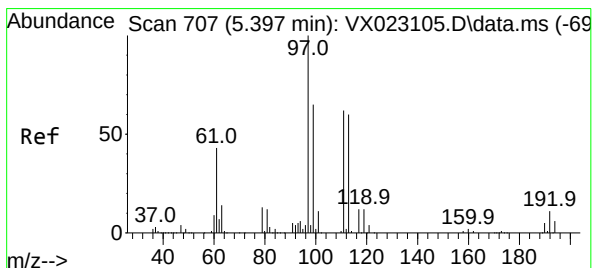
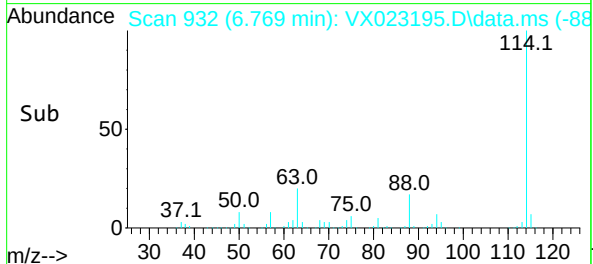
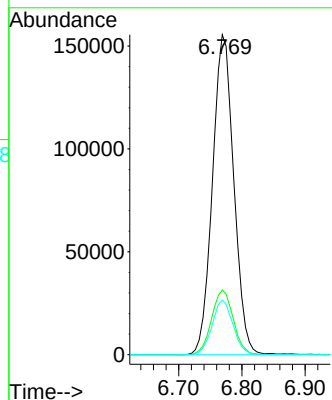
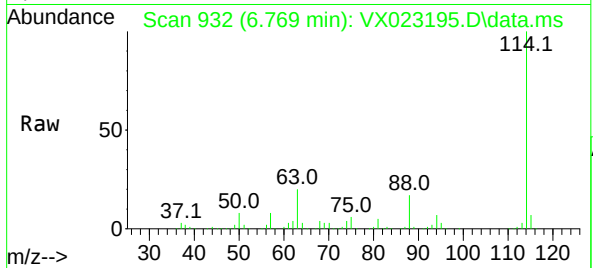




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

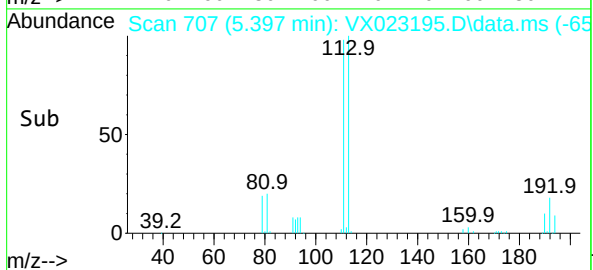
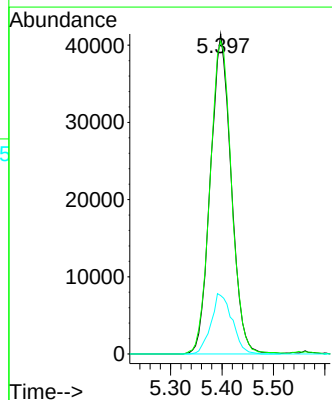
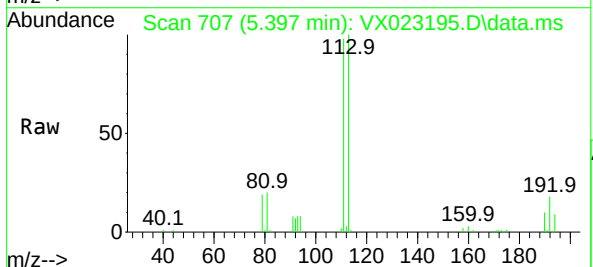
Instrument :
MSVOA_X
ClientSampleId :

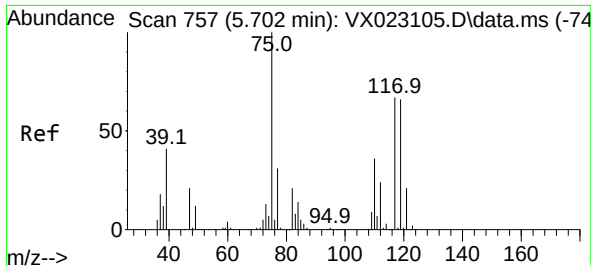
Tgt Ion:114 Resp: 363608
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.499 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion:113 Resp: 116224
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 19.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.239 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023195.D

Acq: 08 Jul 2021 13:31

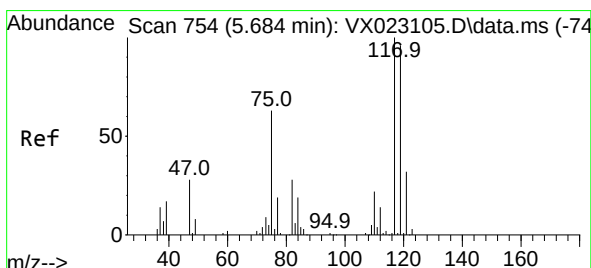
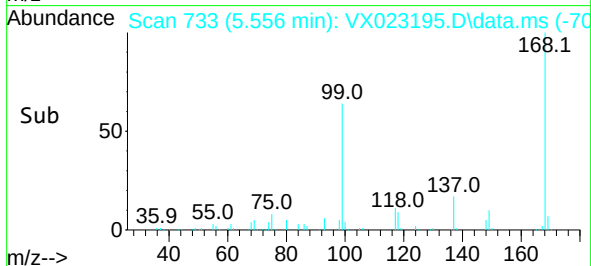
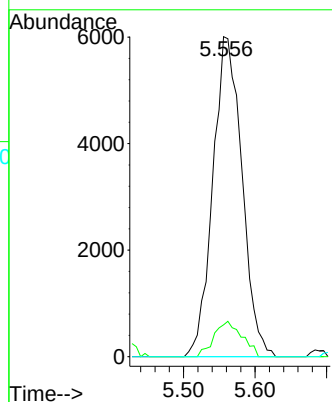
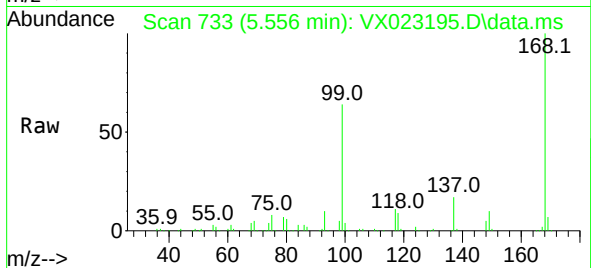
Tgt Ion: 75 Resp: 16983

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.727 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.116 min

Lab File: VX023195.D

Acq: 08 Jul 2021 13:31

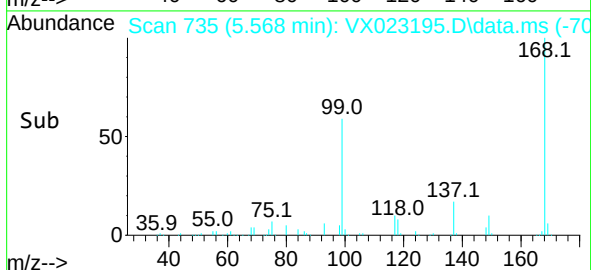
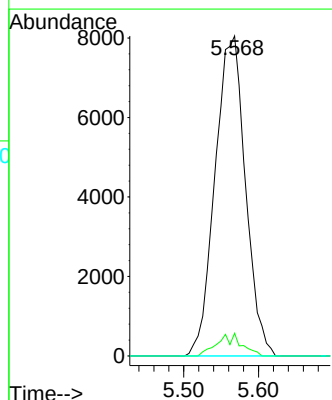
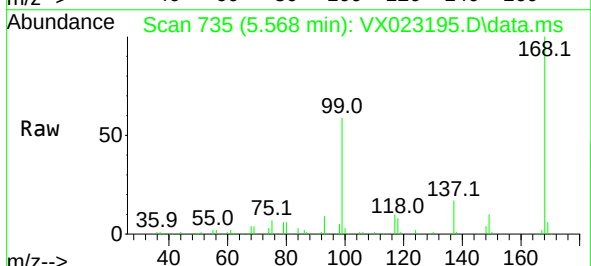
Tgt Ion: 117 Resp: 22760

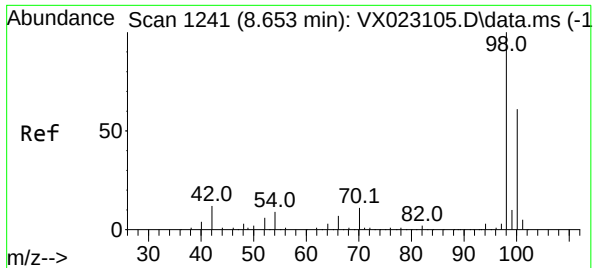
Ion Ratio Lower Upper

117 100

119 7.1 76.2 114.2#

121 0.0 24.8 37.2#

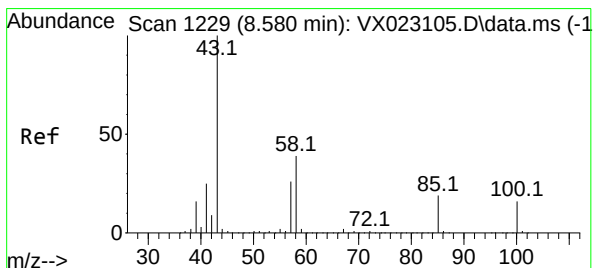
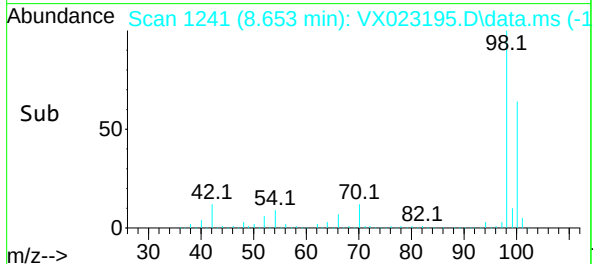
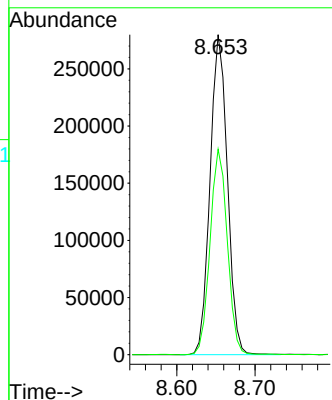
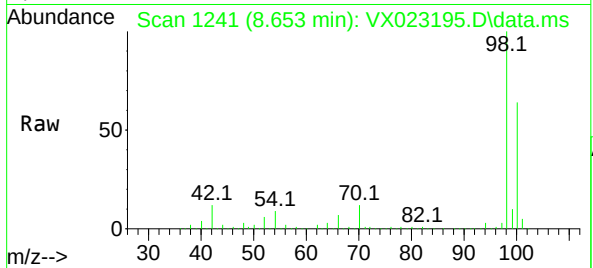




#50
Toluene-d8
Concen: 49.087 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

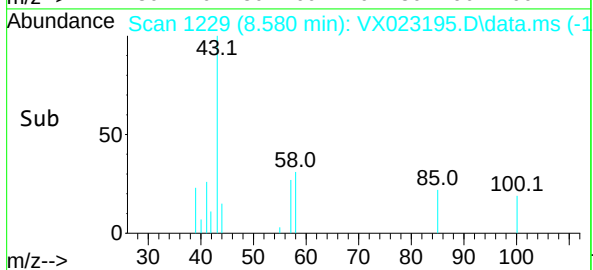
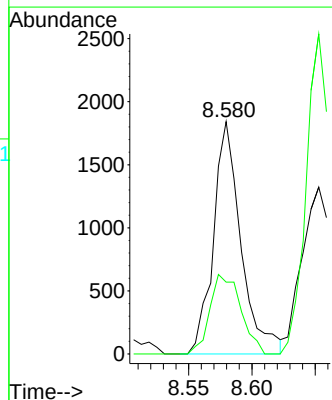
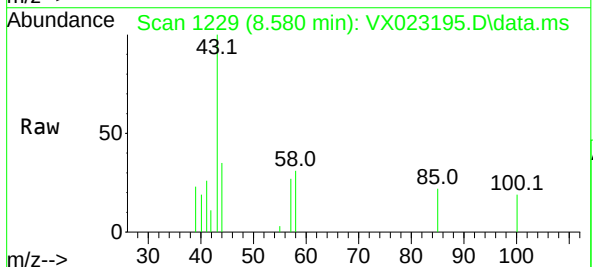
Instrument :
MSVOA_X
ClientSampled :

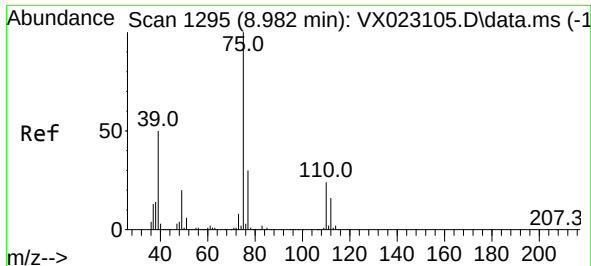
Tgt Ion: 98 Resp: 429941
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.766 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 43 Resp: 2791
Ion Ratio Lower Upper
43 100
58 38.4 35.4 53.0

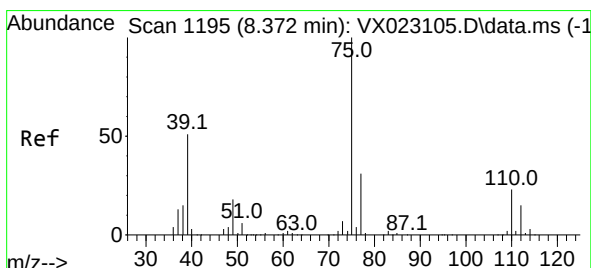
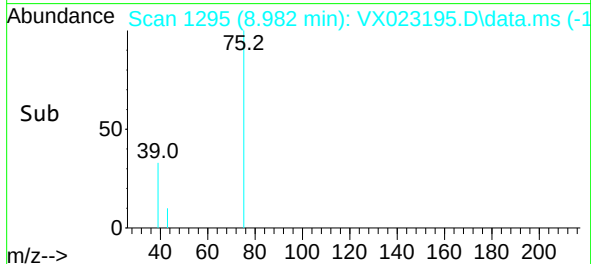
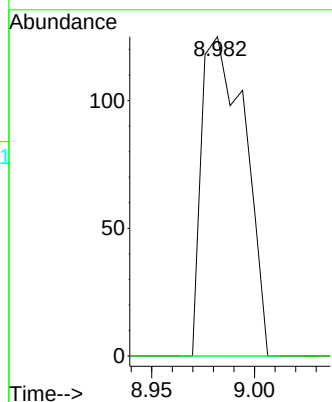
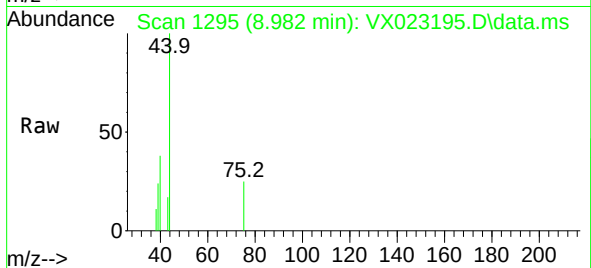




#53
t-1,3-Dichloropropene
Concen: 2.779 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

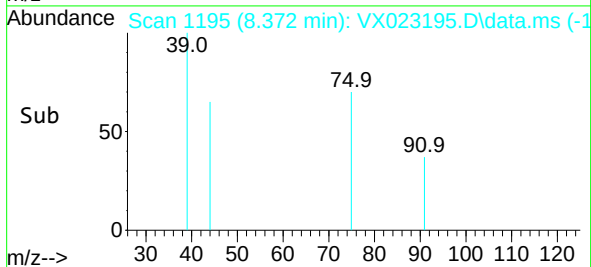
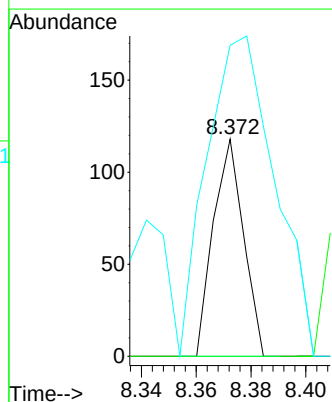
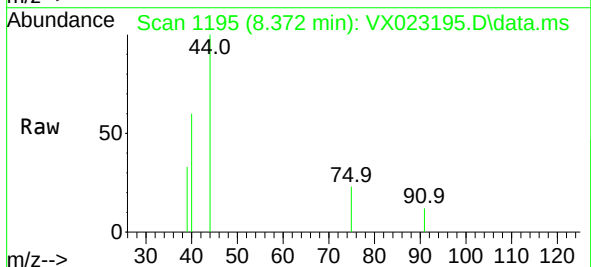
Instrument :
MSVOA_X
ClientSampled :

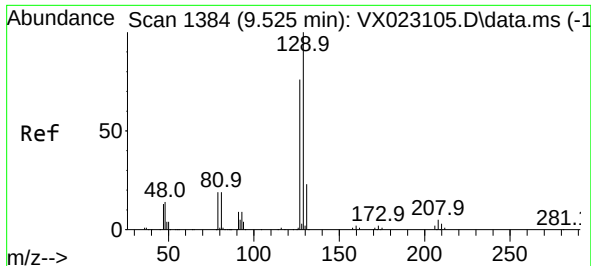
Tgt Ion: 75 Resp: 183
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 2.193 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 143.2 35.1 52.7#

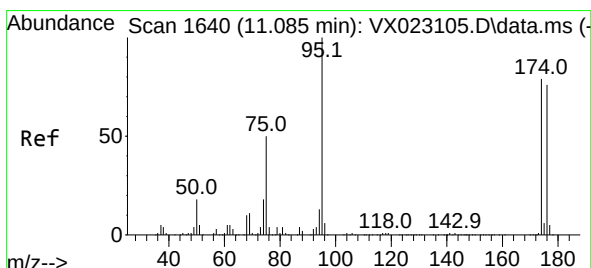
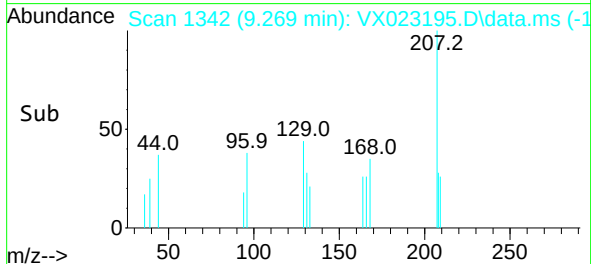
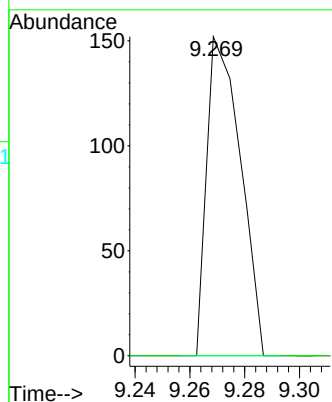
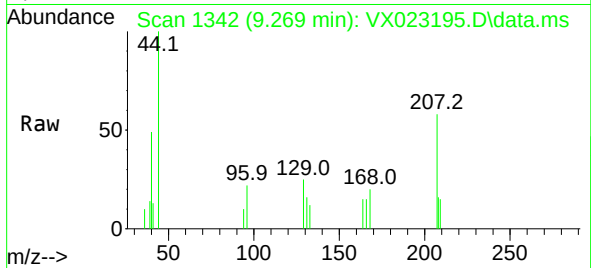




#60
Dibromochloromethane
Concen: 3.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

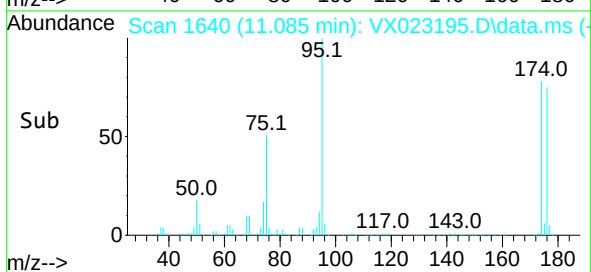
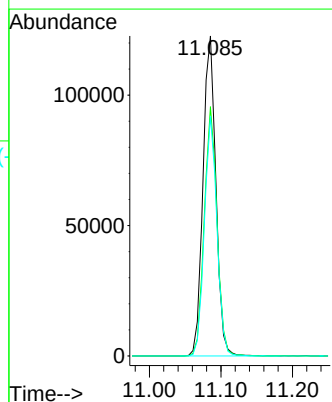
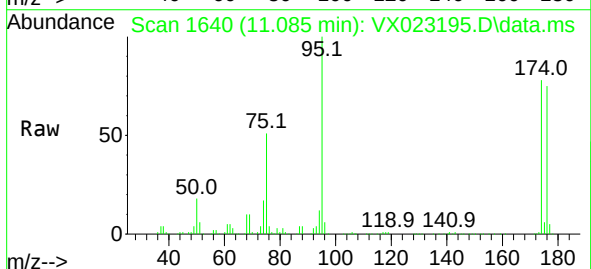
Instrument :
MSVOA_X
ClientSampleId :

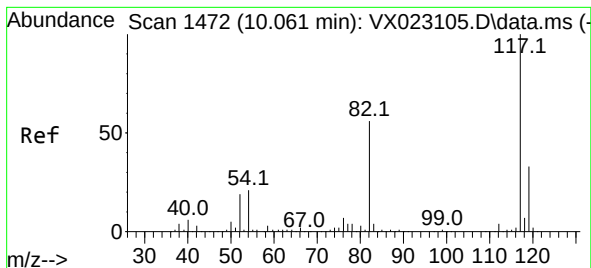
Tgt Ion:129 Resp: 130
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.356 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion: 95 Resp: 153365
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 72.7 0.0 155.8

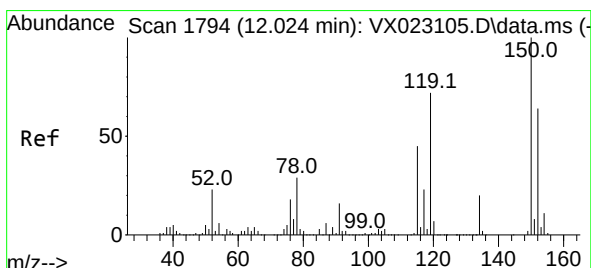
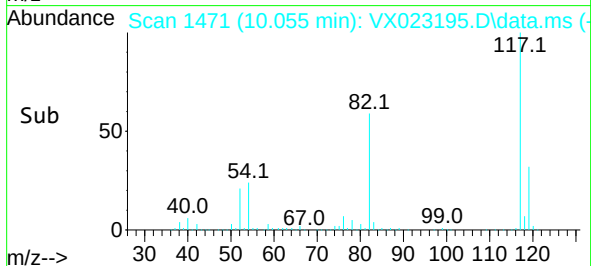
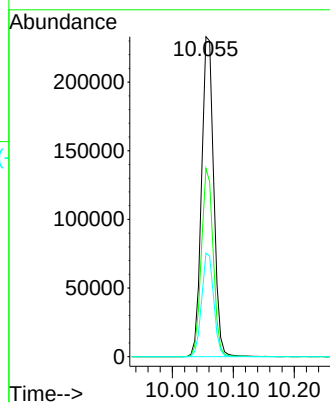
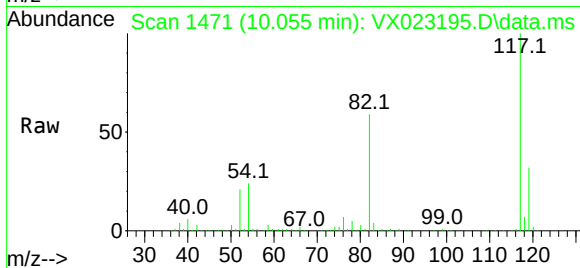




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

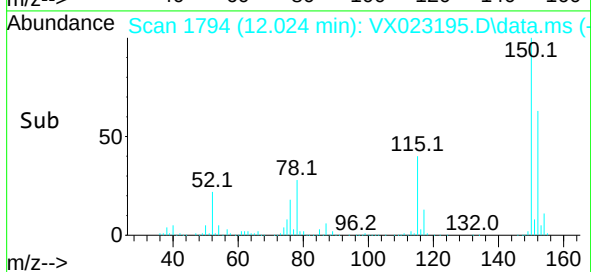
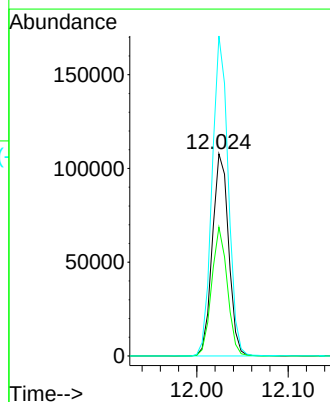
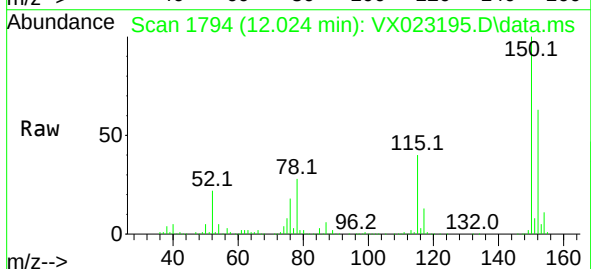
Instrument :
MSVOA_X
ClientSampled :

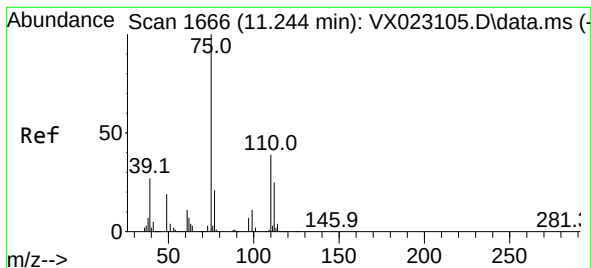
Tgt Ion:117 Resp: 323246
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion:152 Resp: 133201
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 156.5 0.0 349.0

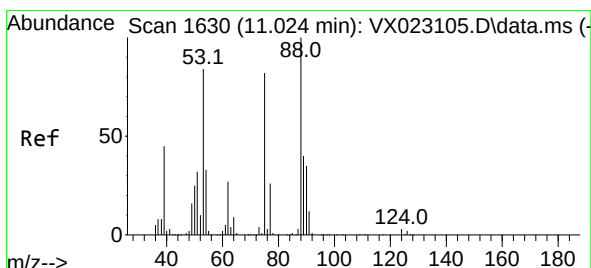
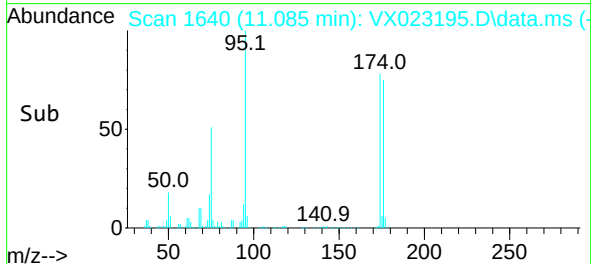
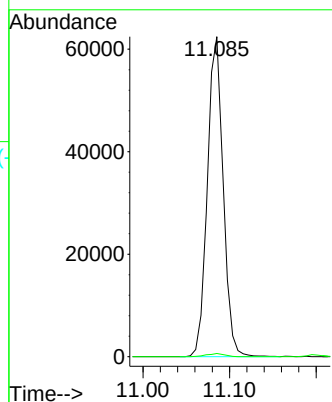
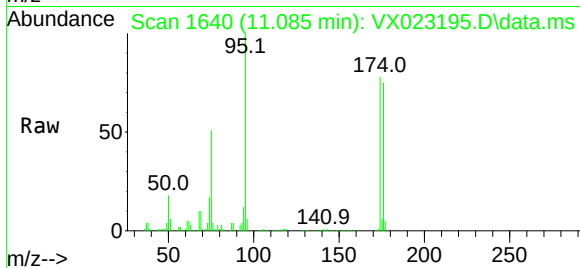




#76
1,2,3-Trichloropropane
Concen: 29.516 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

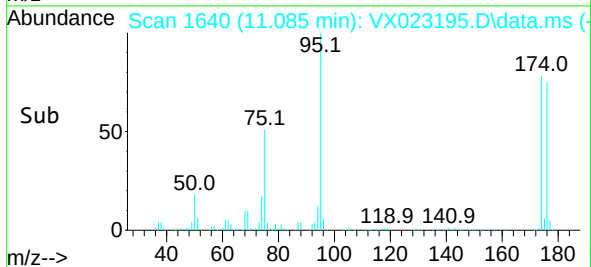
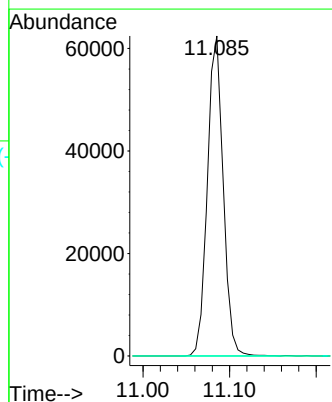
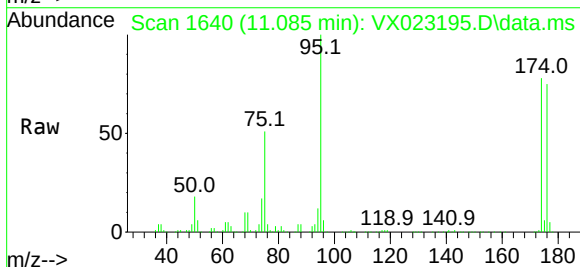
Instrument :
MSVOA_X
ClientSampled :

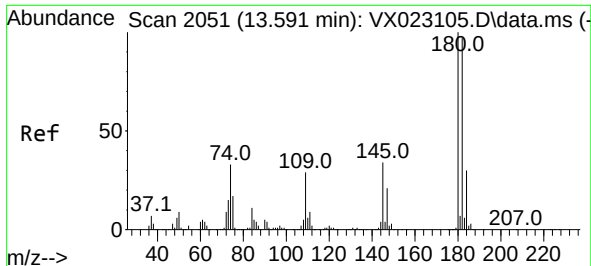
Tgt Ion: 75 Resp: 79116
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.328 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

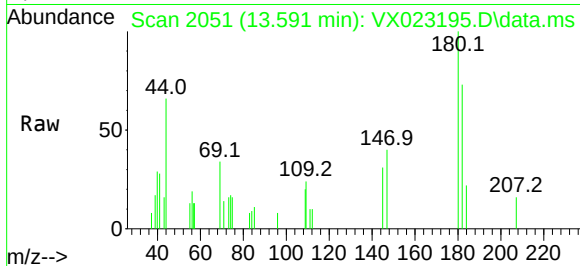
Tgt Ion: 75 Resp: 79116
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



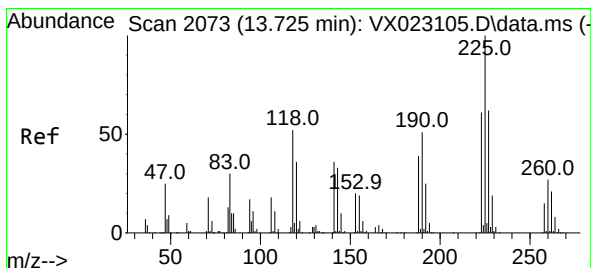
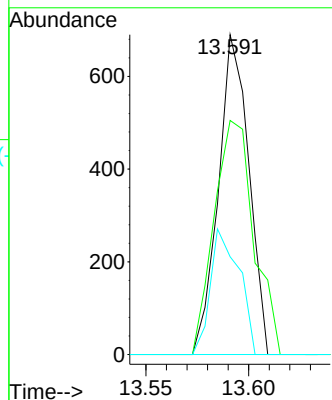
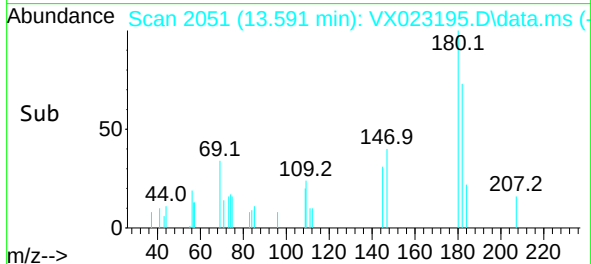


#93
1,2,4-Trichlorobenzene
Concen: 0.263 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

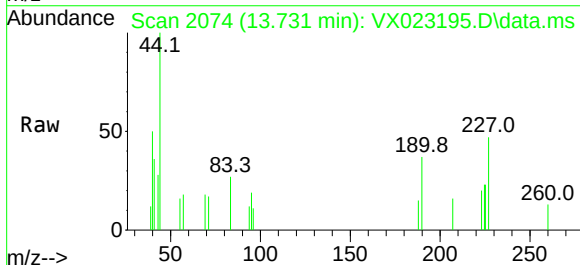
Instrument :
MSVOA_X
ClientSampleId :



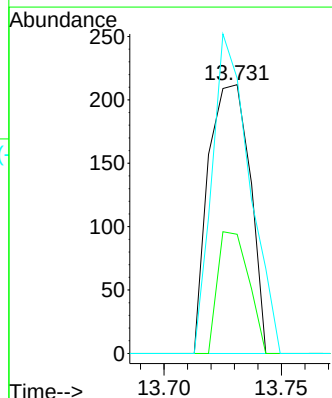
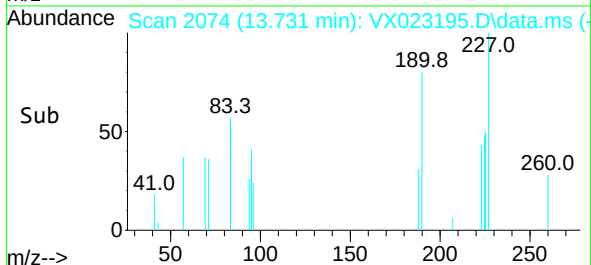
Tgt Ion:180 Resp: 709
Ion Ratio Lower Upper
180 100
182 95.5 47.7 143.1
145 37.1 15.0 45.0

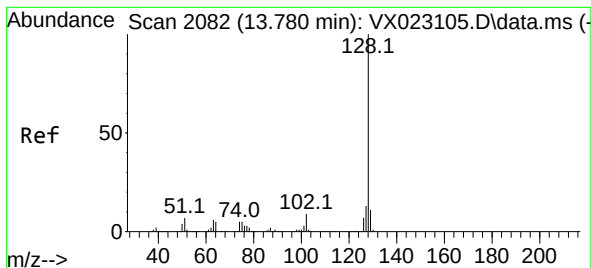


#94
Hexachlorobutadiene
Concen: 0.228 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31



Tgt Ion:225 Resp: 260
Ion Ratio Lower Upper
225 100
223 33.8 31.1 93.2
227 107.3 31.6 95.0#

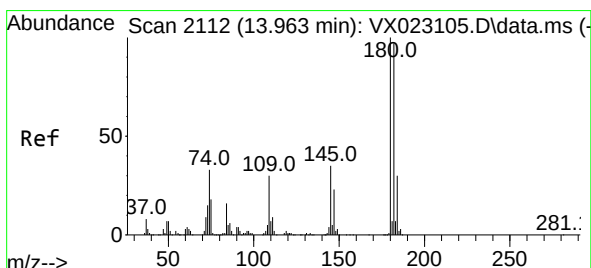
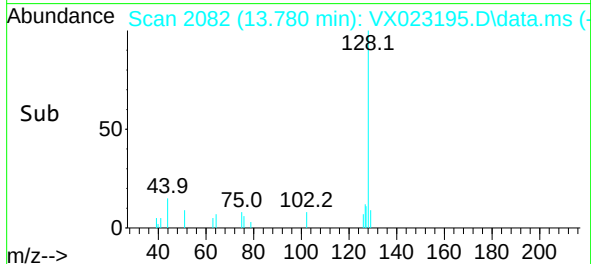
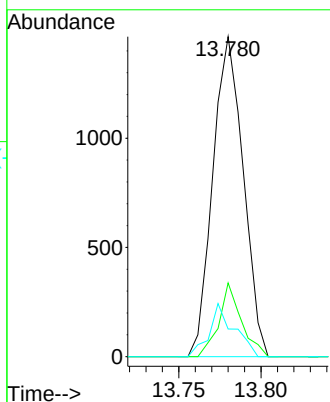
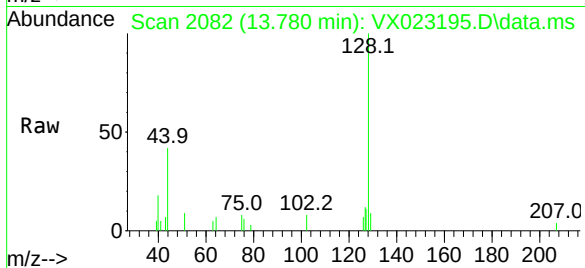




#95
Naphthalene
Concen: 1.460 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:128 Resp: 1884
Ion Ratio Lower Upper
128 100
127 17.0 10.3 15.5#
129 13.4 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.249 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX023195.D
Acq: 08 Jul 2021 13:31

Tgt Ion:180 Resp: 675
Ion Ratio Lower Upper
180 100
182 91.6 47.6 142.9
145 52.3 16.1 48.3#

