

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090921\
 Data File : VX024146.D
 Acq On : 09 Sep 2021 17:30
 Operator : JC/MD
 Sample : M3681-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 10 07:30:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

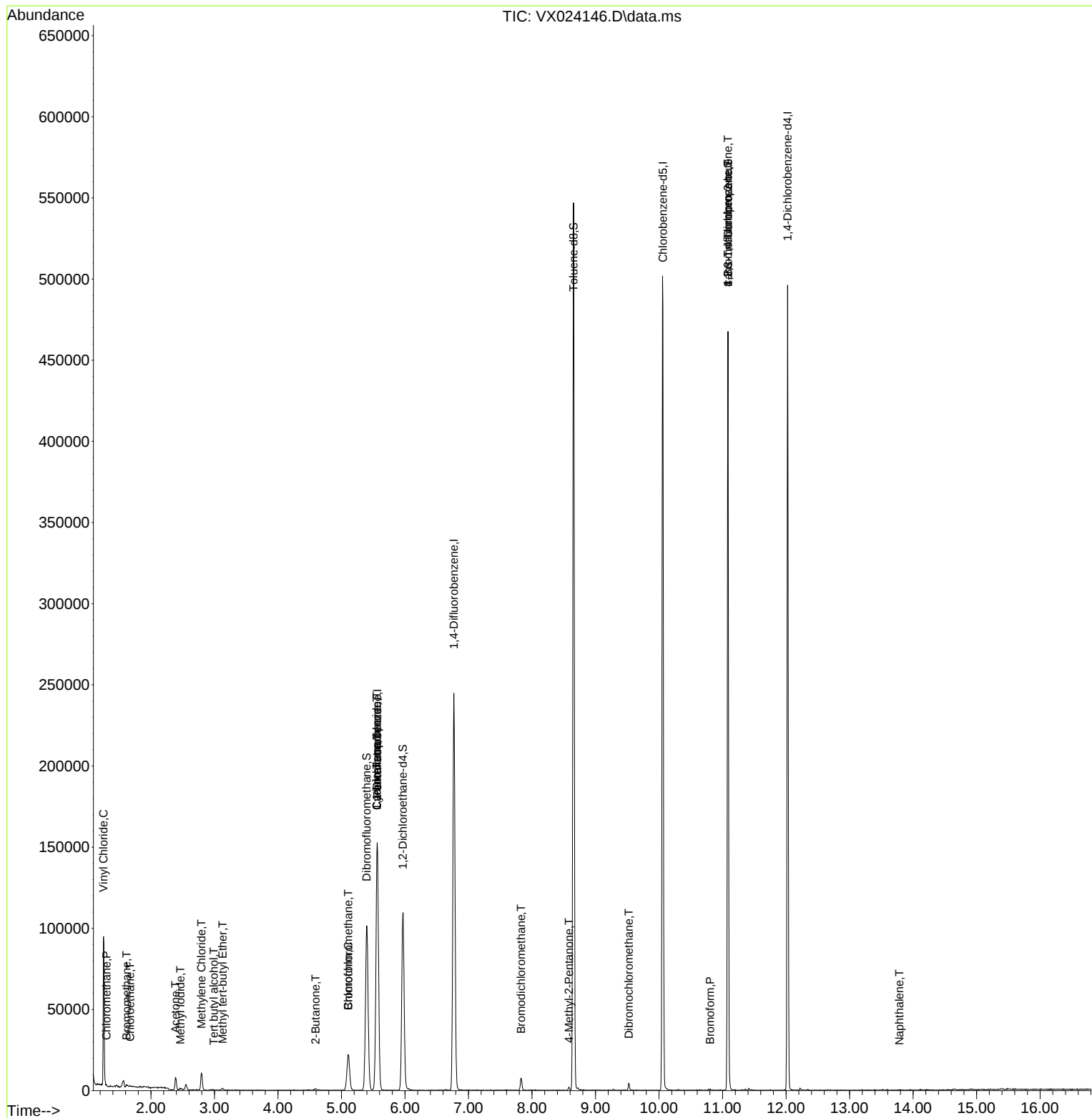
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	141523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	223746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112253	56.831	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 113.660%		
35) Dibromofluoromethane	5.397	113	85848	54.317	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.640%		
50) Toluene-d8	8.653	98	309637	51.474	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.940%		
62) 4-Bromofluorobenzene	11.085	95	114150	51.548	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 103.100%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	483	0.295	ug/l	96
4) Vinyl Chloride	1.252	62	816	0.510	ug/l #	1
5) Bromomethane	1.617	94	1016	1.011	ug/l	85
6) Chloroethane	1.672	64	185	2.350	ug/l #	43
10) Methyl Iodide	2.465	142	1350	0.683	ug/l	92
11) Tert butyl alcohol	2.989	59	86	0.215	ug/l #	73
16) Acetone	2.386	43	8231	9.320	ug/l	90
19) Methyl tert-butyl Ether	3.129	73	1132	0.239	ug/l	94
20) Methylene Chloride	2.794	84	4742	2.811	ug/l	88
25) 2-Butanone	4.592	43	1508	1.127	ug/l	91
28) Bromochloromethane	5.105	49	2400	1.902	ug/l #	9
30) Chloroform	5.105	83	26452	9.004	ug/l	96
31) Cyclohexane	5.556	56	3243	1.278	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	10921	4.939	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14948	6.482	ug/l #	15
47) Bromodichloromethane	7.830	83	4950	2.264	ug/l	91
51) 4-Methyl-2-Pentanone	8.580	43	1149	0.418	ug/l #	85
60) Dibromochloromethane	9.524	129	1614	2.497	ug/l	91
71) Bromoform	10.805	173	323	2.161	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	60840	26.868	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60840	79.035	ug/l #	12
95) Naphthalene	13.786	128	311	1.325	ug/l #	69

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 10 07:30:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

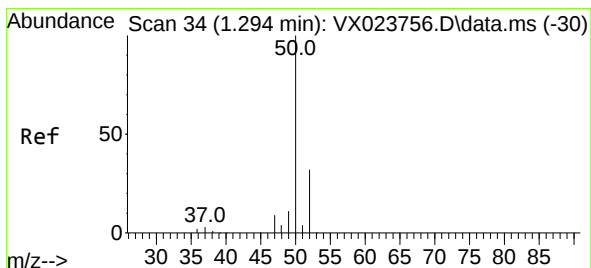
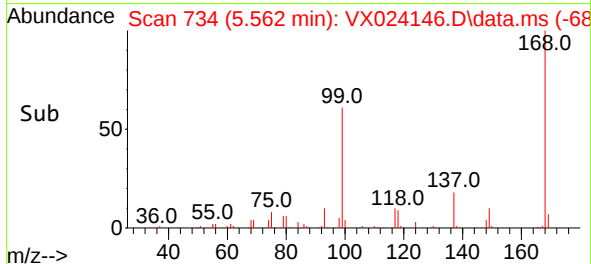
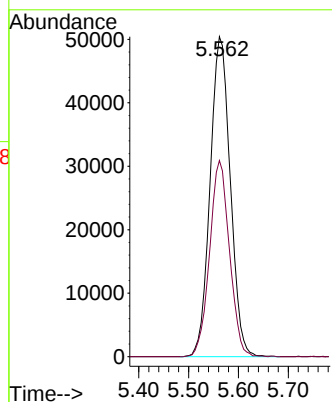
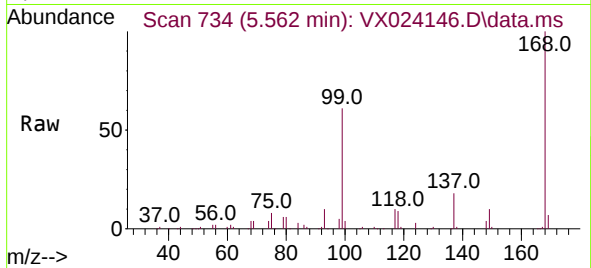




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

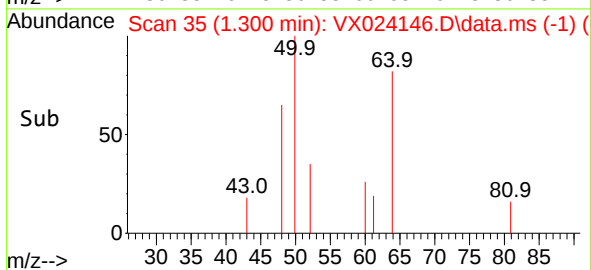
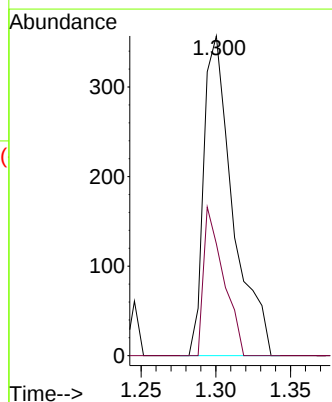
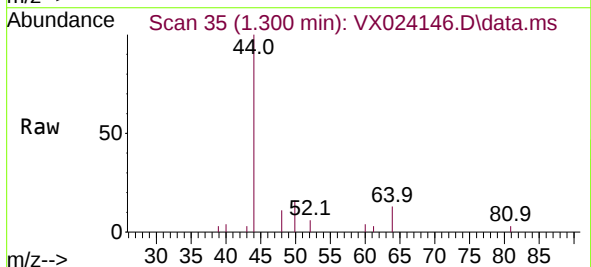
Instrument :
MSVOA_X
ClientSampled :

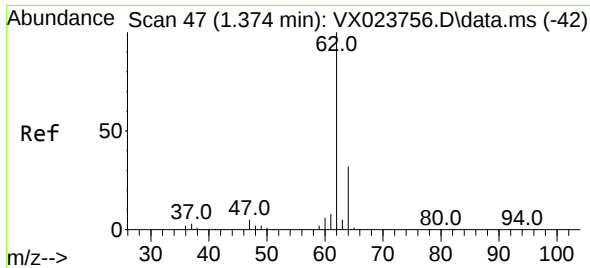
Tgt Ion:168 Resp: 141523
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 35.0 26.4 39.6

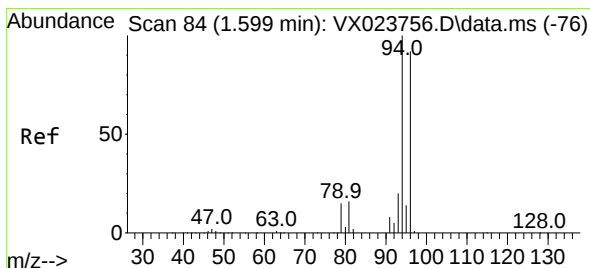
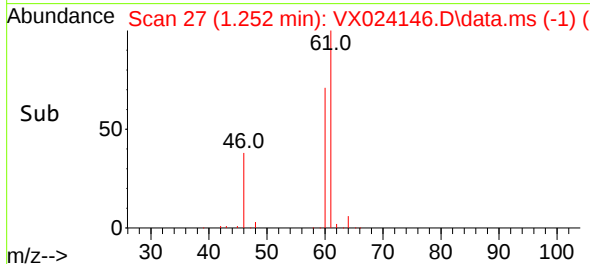
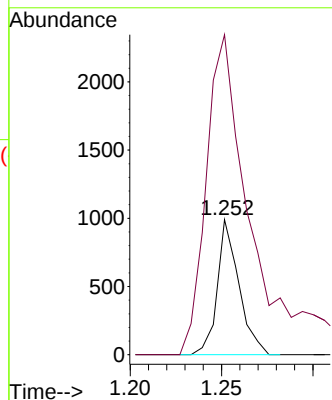
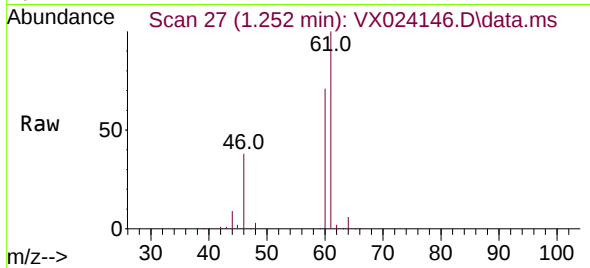




#4
 Vinyl Chloride
 Concen: 0.510 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX024146.D
 Acq: 09 Sep 2021 17:30

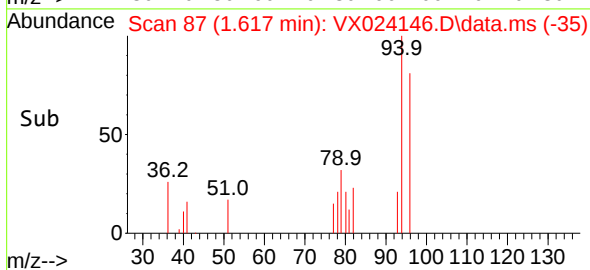
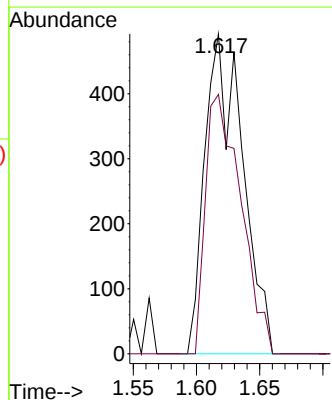
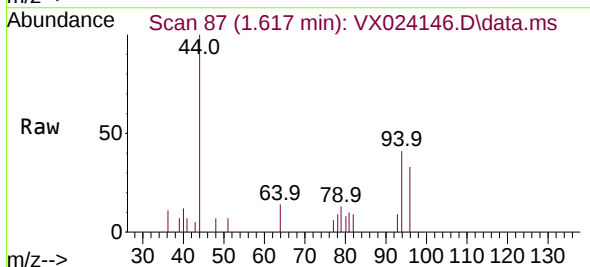
Instrument :
 MSVOA_X
 ClientSampled :

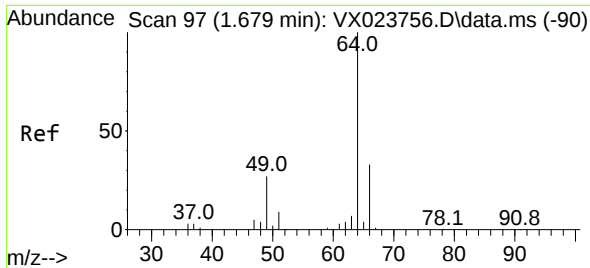
Tgt Ion: 62 Resp: 816
 Ion Ratio Lower Upper
 62 100
 64 237.0 25.7 38.5#



#5
 Bromomethane
 Concen: 1.011 ug/l
 RT: 1.617 min Scan# 87
 Delta R.T. 0.018 min
 Lab File: VX024146.D
 Acq: 09 Sep 2021 17:30

Tgt Ion: 94 Resp: 1016
 Ion Ratio Lower Upper
 94 100
 96 81.1 76.4 114.6

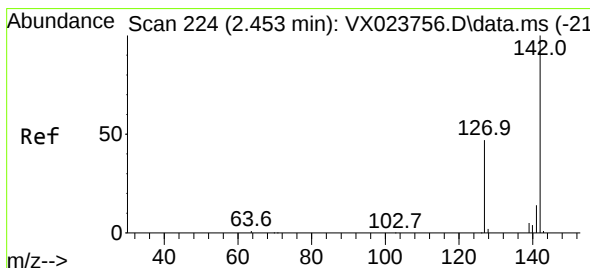
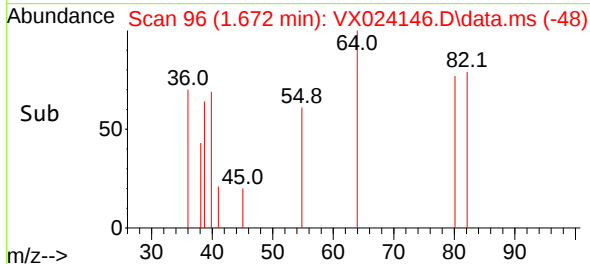
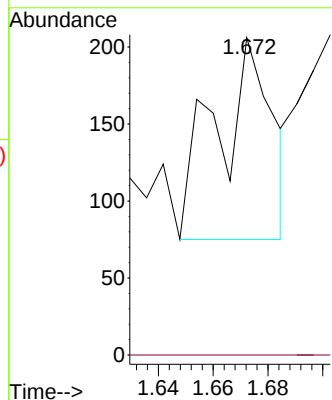
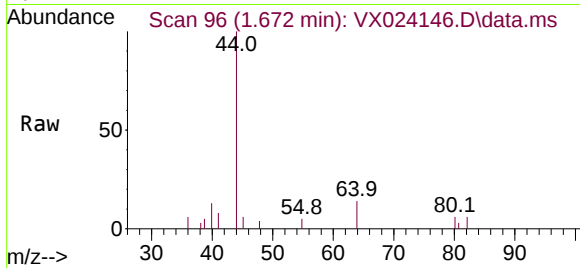




#6
Chloroethane
Concen: 2.350 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

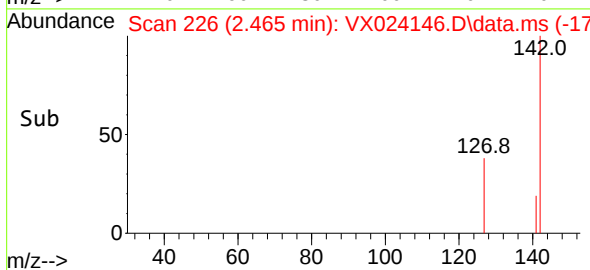
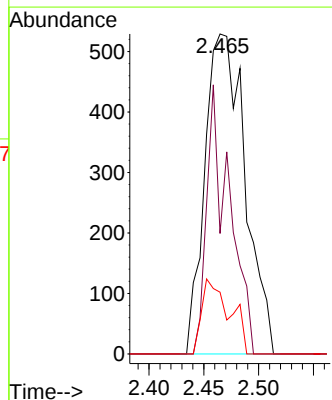
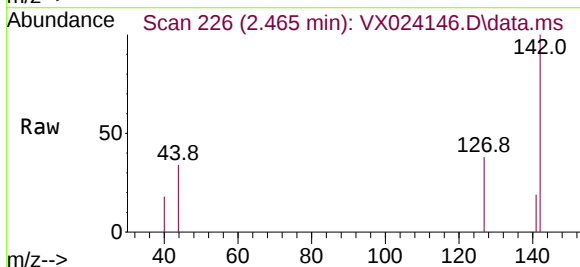
Instrument :
MSVOA_X
ClientSampled :

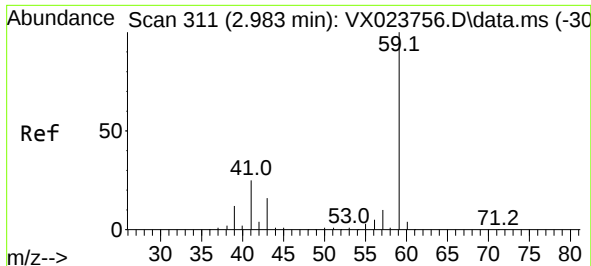
Tgt Ion: 64 Resp: 185
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.683 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 142 Resp: 1350
Ion Ratio Lower Upper
142 100
127 47.3 33.3 49.9
141 16.1 11.4 17.0



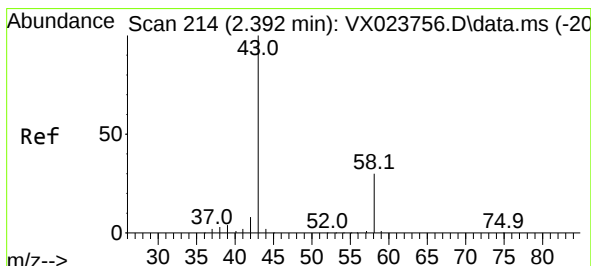
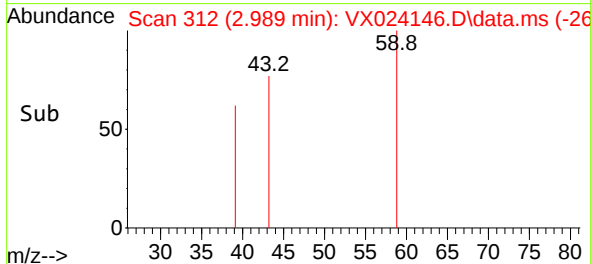
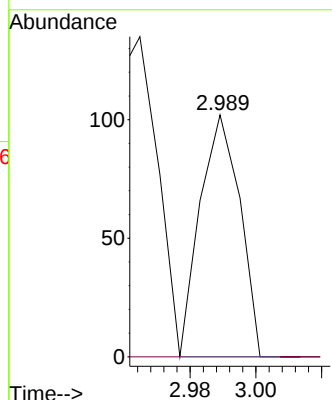
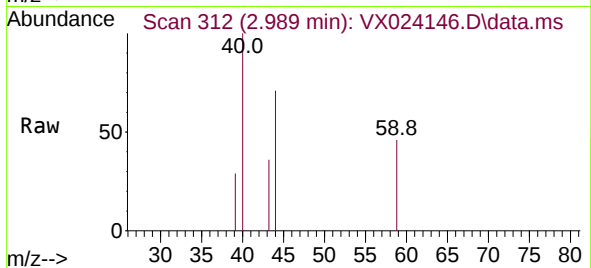


#11

Tert butyl alcohol
Concen: 0.215 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.006 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Instrument :
MSVOA_X
ClientSampled :

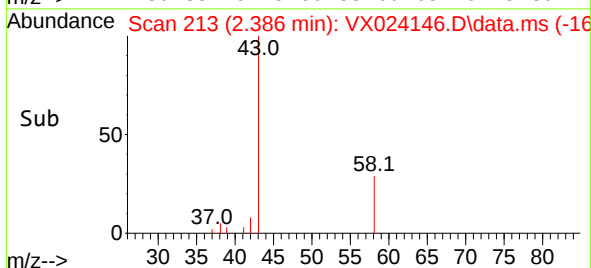
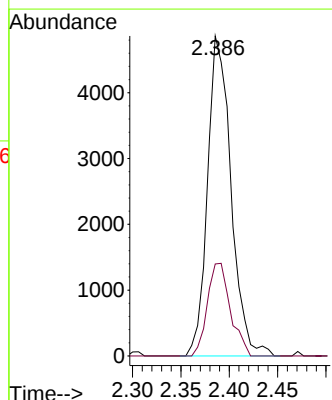
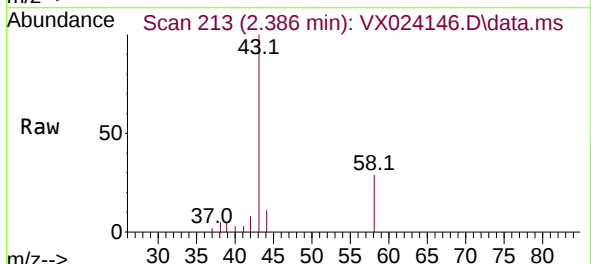
Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

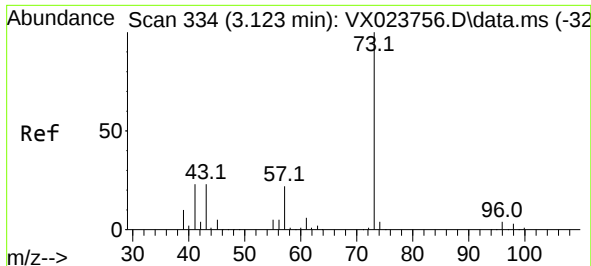


#16

Acetone
Concen: 9.320 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 43 Resp: 8231
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



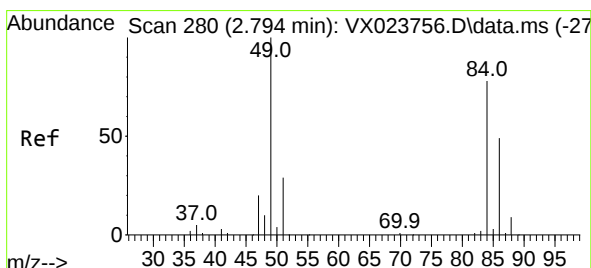
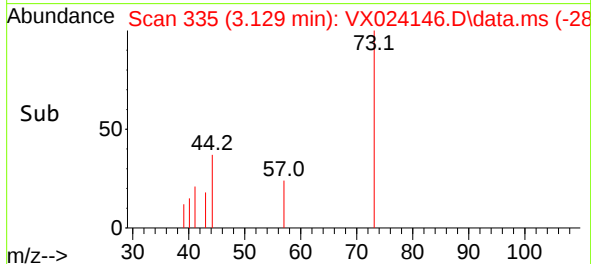
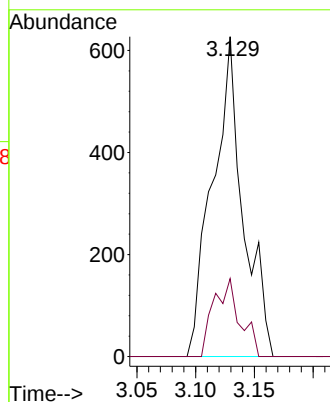
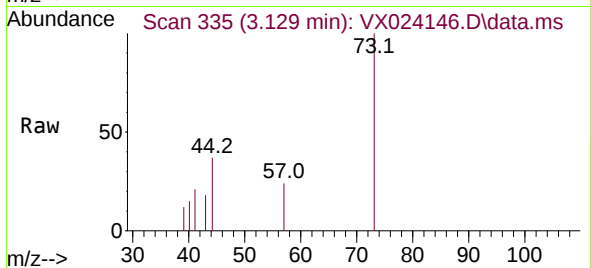


#19

Methyl tert-butyl Ether
Concen: 0.239 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Instrument :
MSVOA_X
ClientSampled :

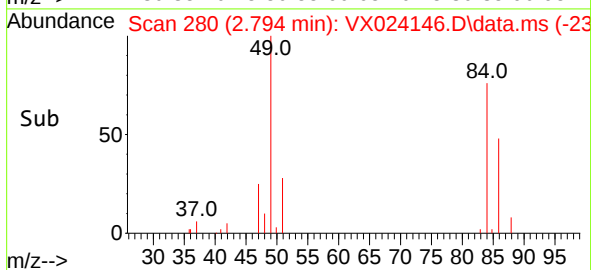
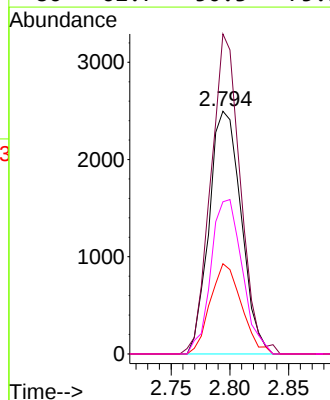
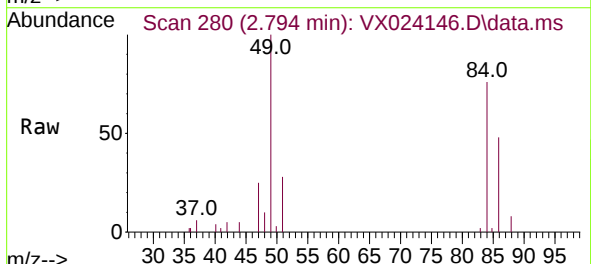
Tgt Ion: 73 Resp: 1132
Ion Ratio Lower Upper
73 100
57 24.4 17.1 25.7

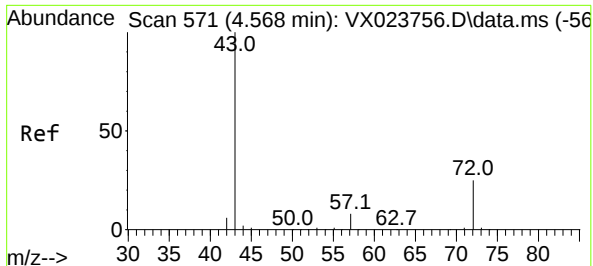


#20

Methylene Chloride
Concen: 2.811 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 84 Resp: 4742
Ion Ratio Lower Upper
84 100
49 131.8 88.6 132.8
51 37.2 27.0 40.6
86 62.7 50.3 75.5





#25

2-Butanone

Concen: 1.127 ug/l

RT: 4.592 min Scan# 575

Delta R.T. 0.024 min

Lab File: VX024146.D

Acq: 09 Sep 2021 17:30

Tgt Ion: 43 Resp: 1508

Ion Ratio Lower Upper

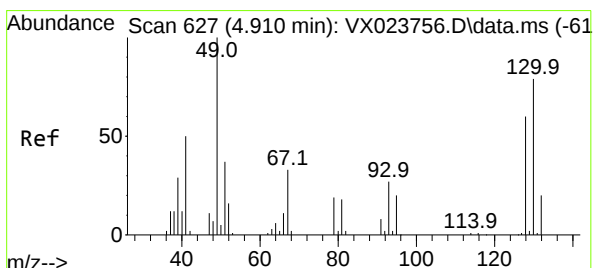
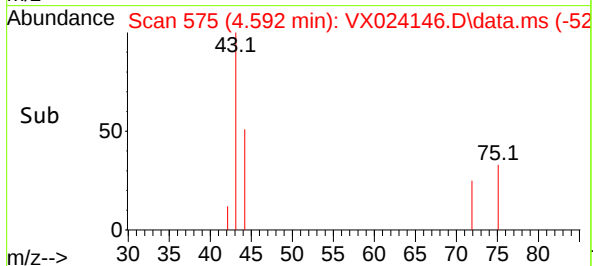
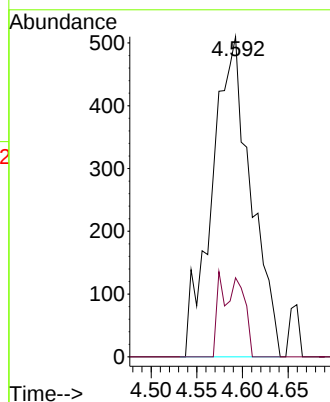
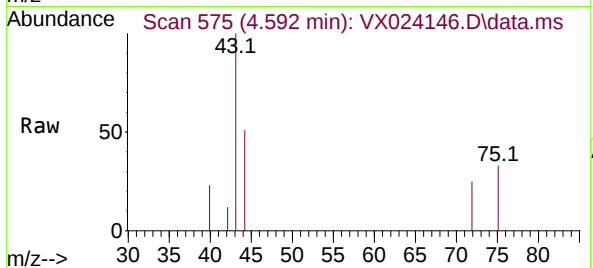
43 100

72 24.7 23.7 35.5

Instrument :

MSVOA_X

ClientSampled :



#28

Bromochloromethane

Concen: 1.902 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.195 min

Lab File: VX024146.D

Acq: 09 Sep 2021 17:30

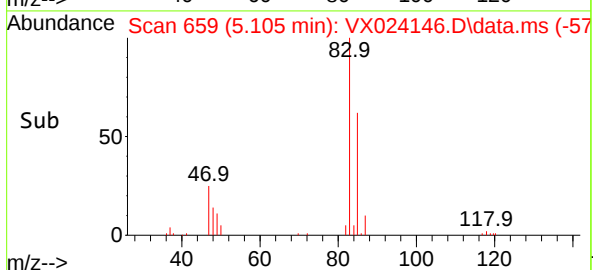
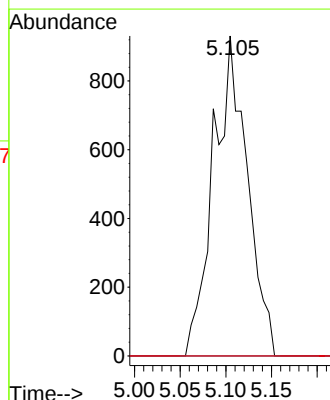
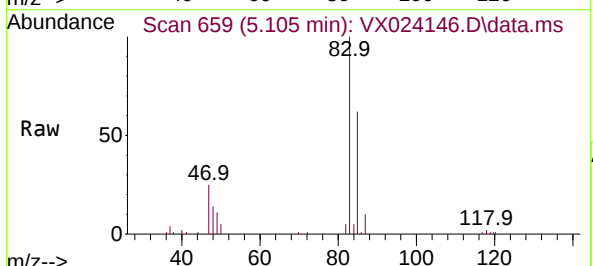
Tgt Ion: 49 Resp: 2400

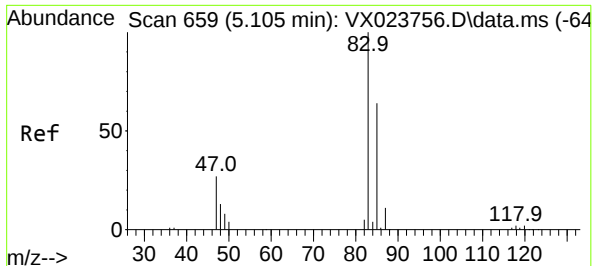
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 68.2 102.2#





#30

Chloroform

Concen: 9.004 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX024146.D

Acq: 09 Sep 2021 17:30

Tgt Ion: 83 Resp: 26452

Ion Ratio Lower Upper

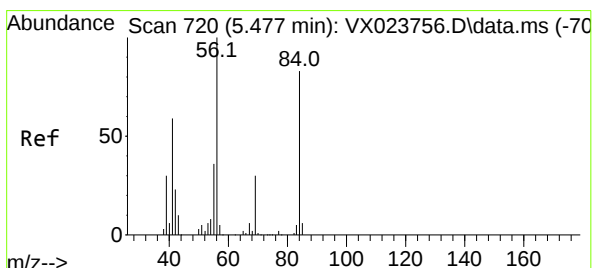
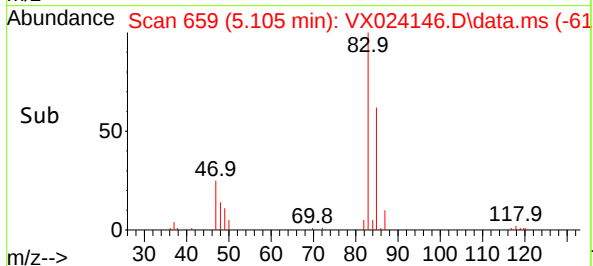
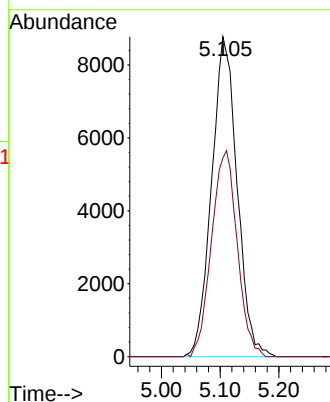
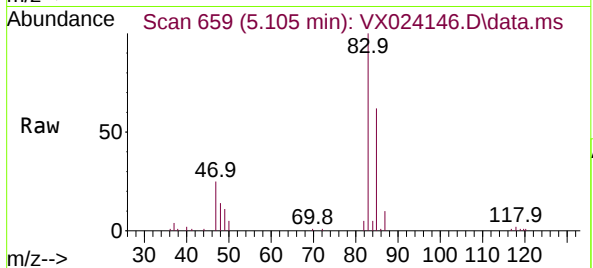
83 100

85 62.1 52.0 78.0

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024146.D

Acq: 09 Sep 2021 17:30

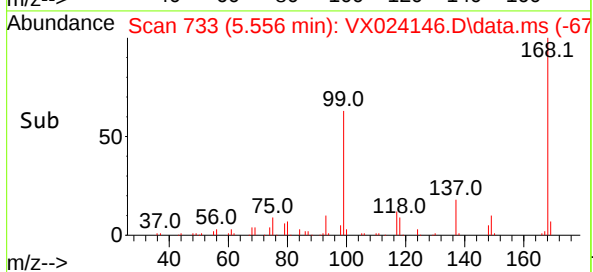
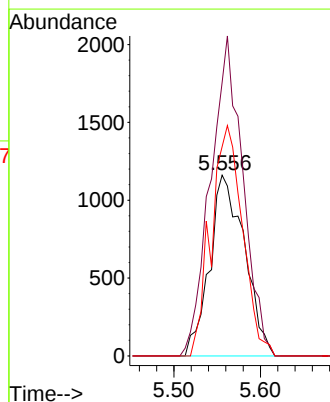
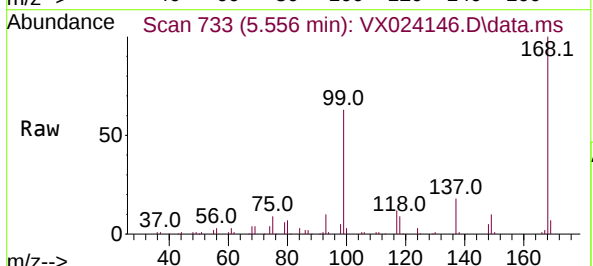
Tgt Ion: 56 Resp: 3243

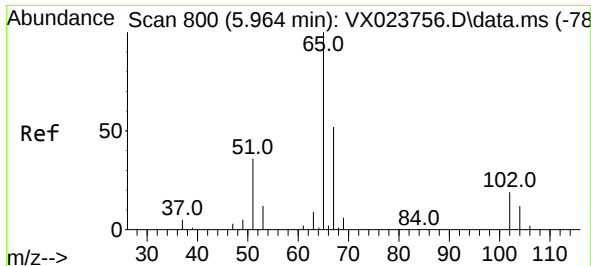
Ion Ratio Lower Upper

56 100

69 151.2 25.3 37.9#

84 115.8 71.4 107.0#

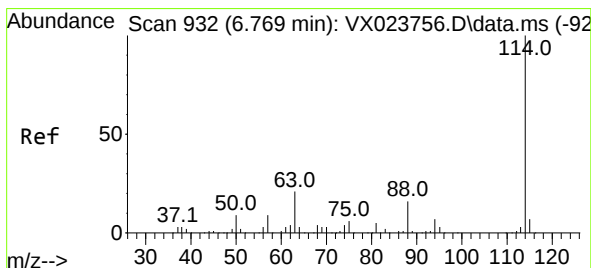
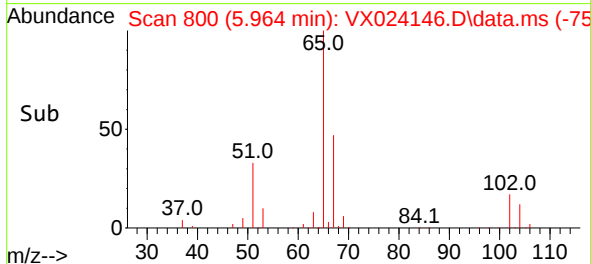
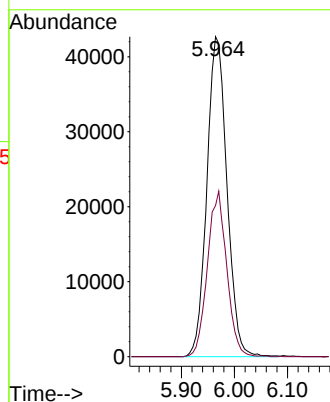
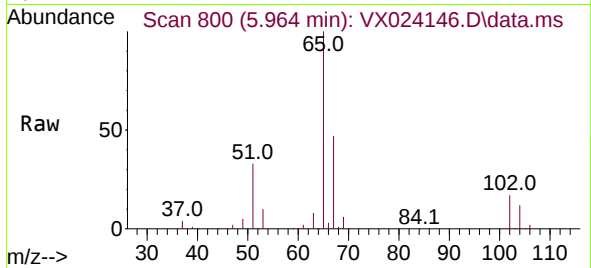




#33
 1,2-Dichloroethane-d4
 Concen: 56.831 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024146.D
 Acq: 09 Sep 2021 17:30

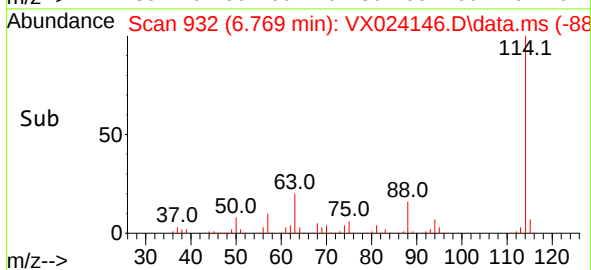
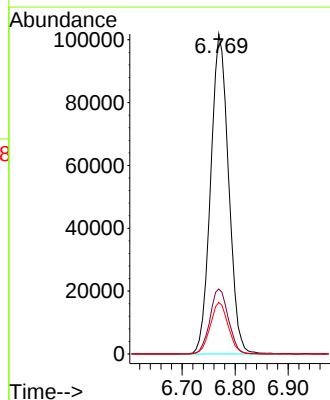
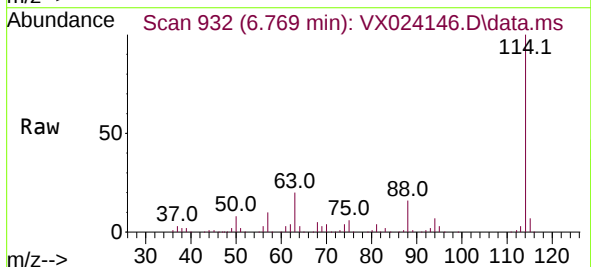
Instrument :
 MSVOA_X
 ClientSampled :

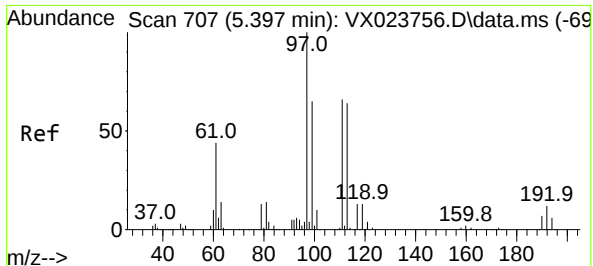
Tgt Ion: 65 Resp: 112253
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX024146.D
 Acq: 09 Sep 2021 17:30

Tgt Ion: 114 Resp: 238791
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.1 0.0 32.8

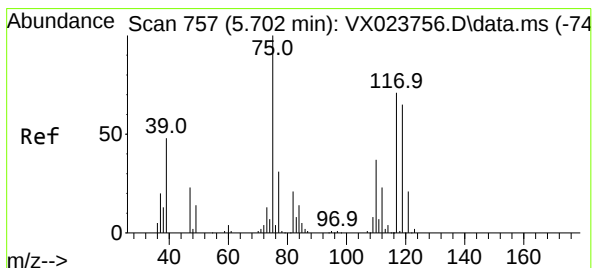
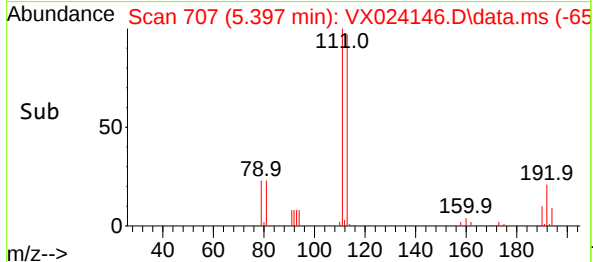
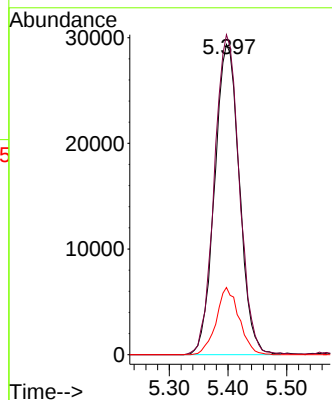
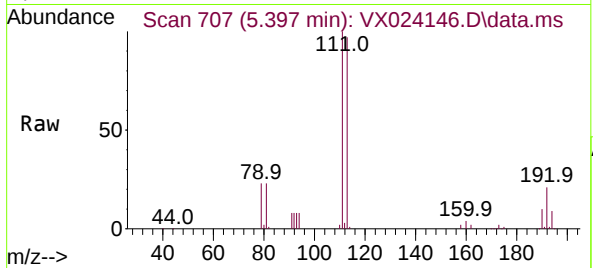




#35
Dibromofluoromethane
Concen: 54.317 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

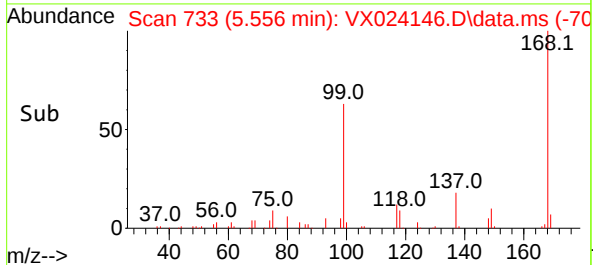
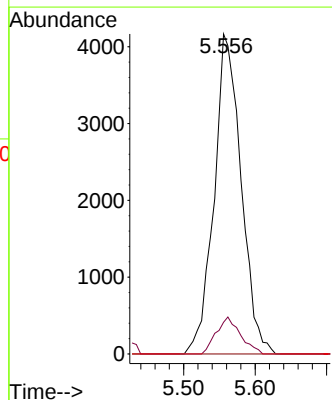
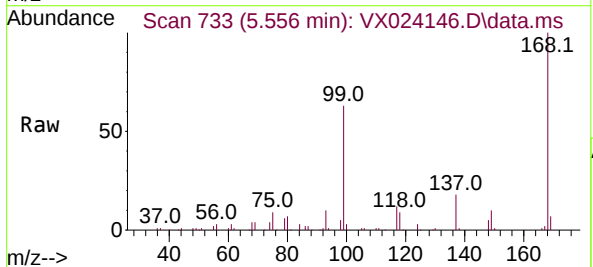
Instrument :
MSVOA_X
ClientSampled :

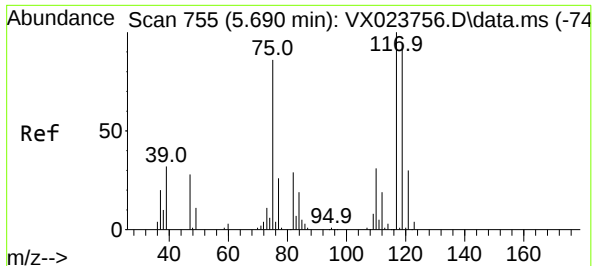
Tgt Ion:113 Resp: 85848
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

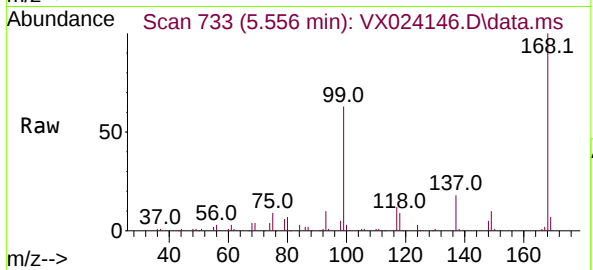
Tgt Ion: 75 Resp: 10921
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



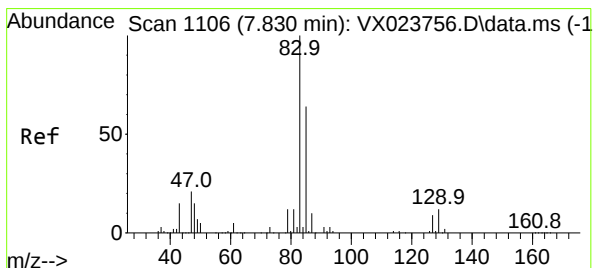
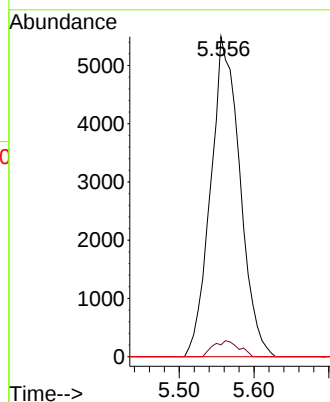
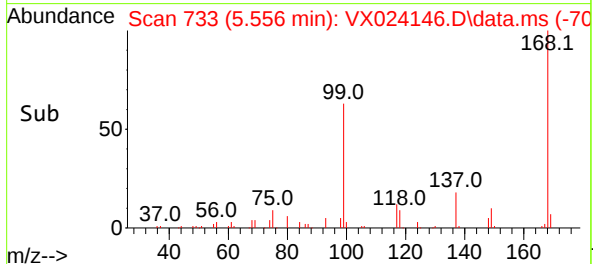


#38
Carbon Tetrachloride
Concen: 6.482 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

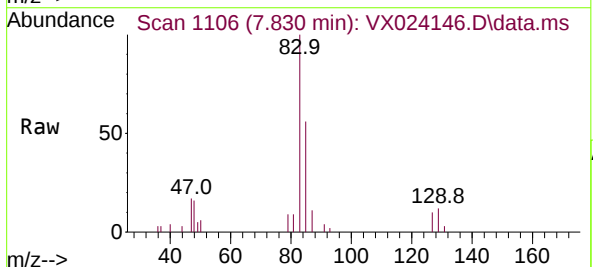
Instrument :
MSVOA_X
ClientSampleId :



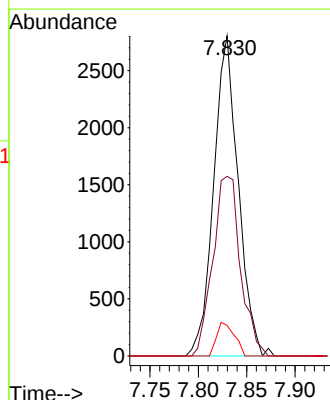
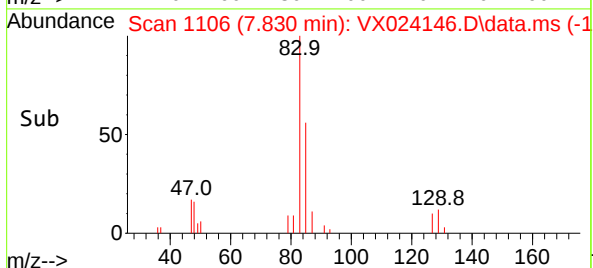
Tgt Ion:117 Resp: 14948
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#

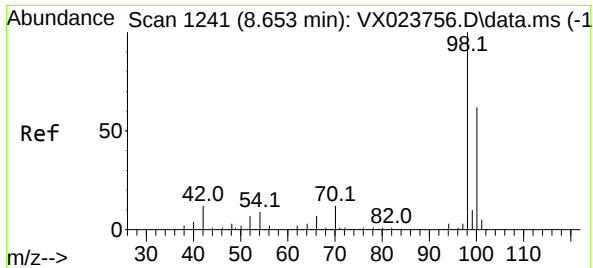


#47
Bromodichloromethane
Concen: 2.264 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30



Tgt Ion: 83 Resp: 4950
Ion Ratio Lower Upper
83 100
85 56.2 51.4 77.0
127 9.6 6.8 10.2

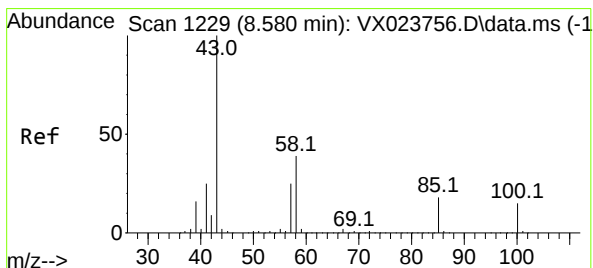
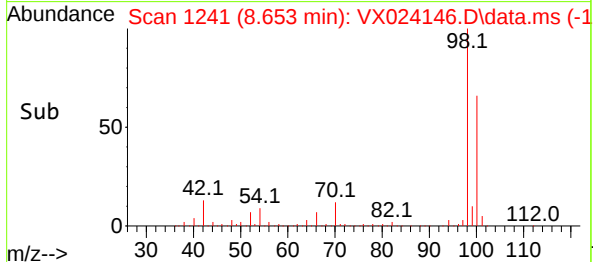
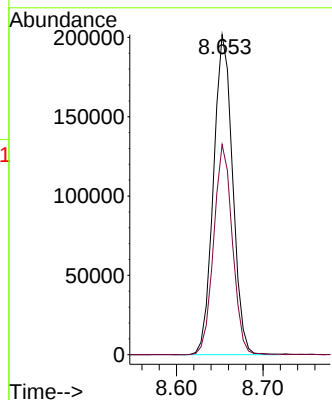
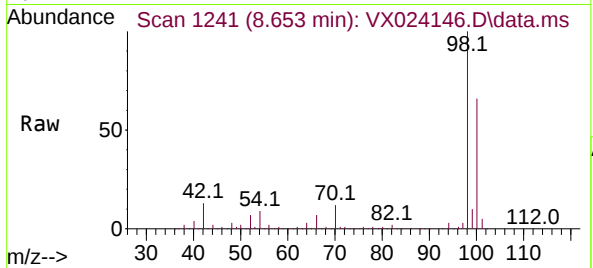




#50
Toluene-d8
Concen: 51.474 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

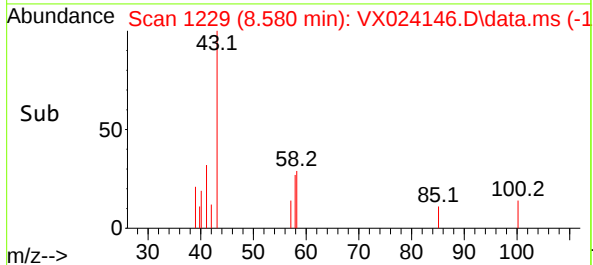
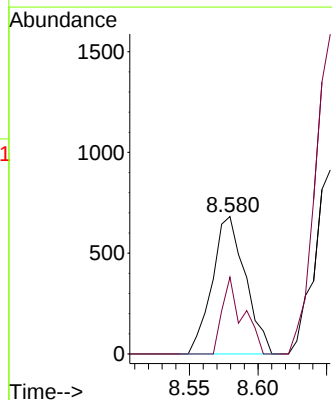
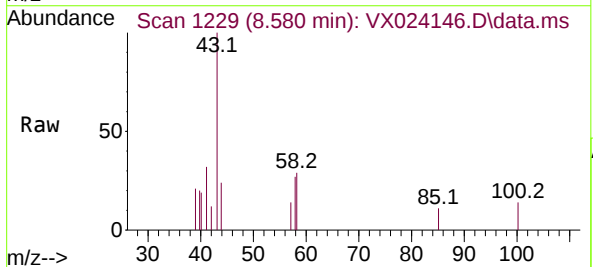
Instrument :
MSVOA_X
ClientSampled :

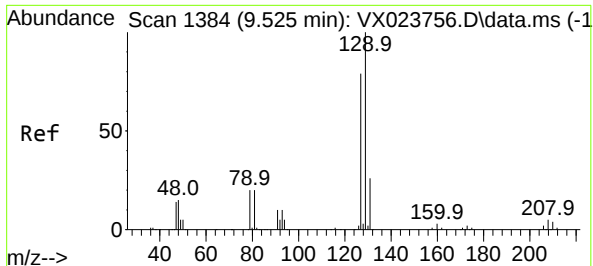
Tgt Ion: 98 Resp: 309637
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.418 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 34.6 35.4 53.0#

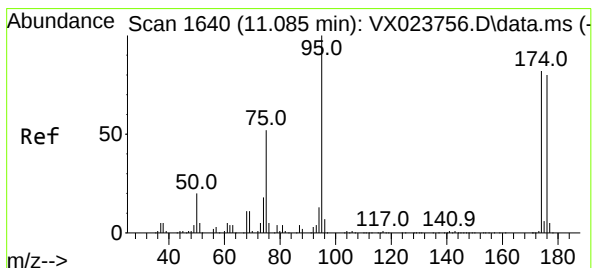
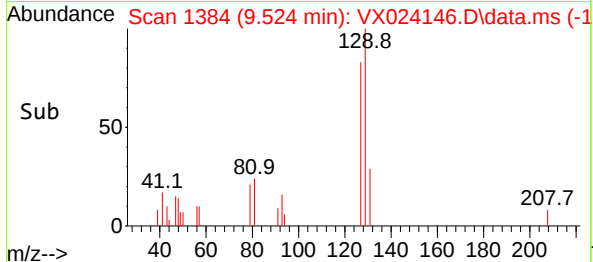
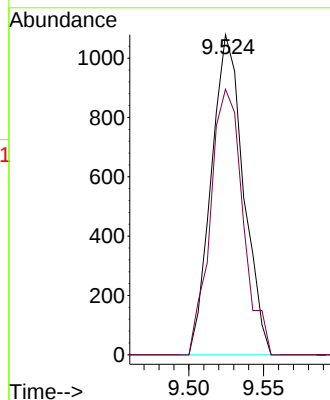
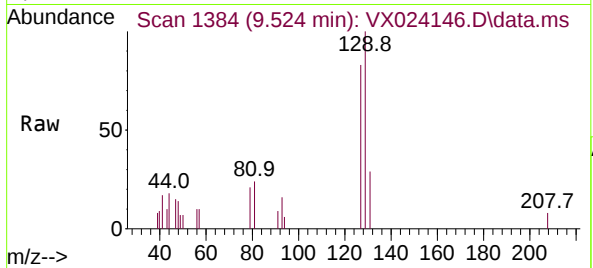




#60
Dibromochloromethane
Concen: 2.497 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. -0.001 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

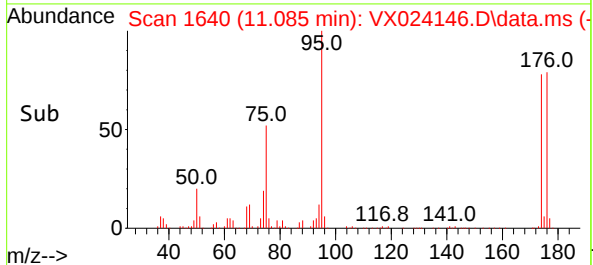
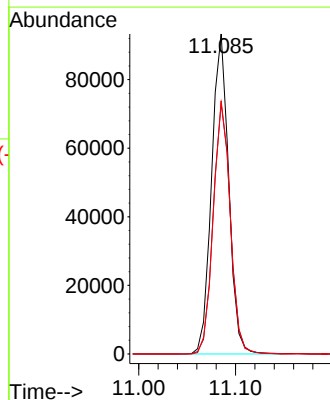
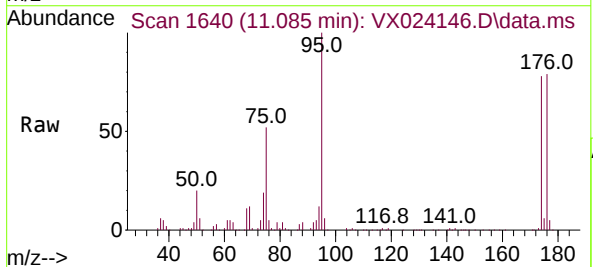
Instrument :
MSVOA_X
ClientSampled :

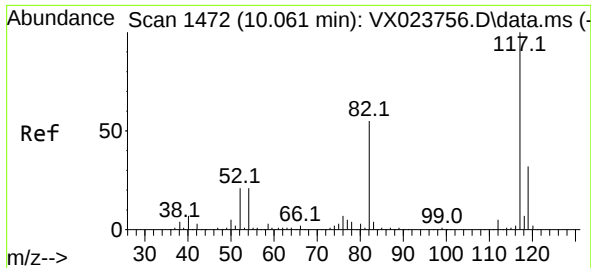
Tgt Ion:129 Resp: 1614
Ion Ratio Lower Upper
129 100
127 84.1 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 51.548 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 95 Resp: 114150
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 78.6 0.0 155.8

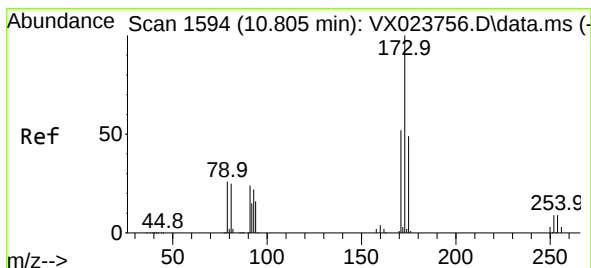
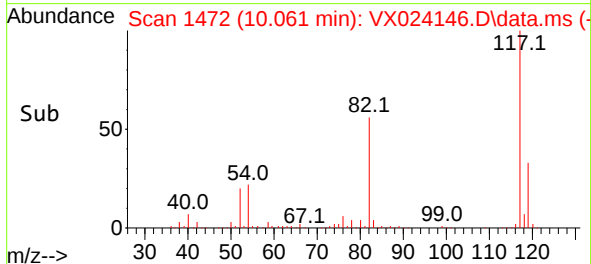
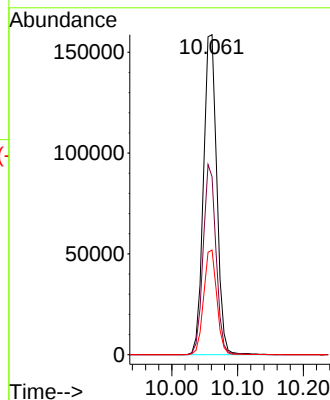
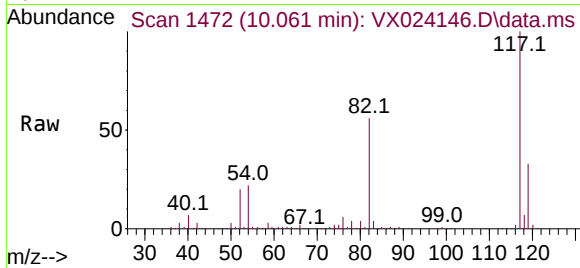




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

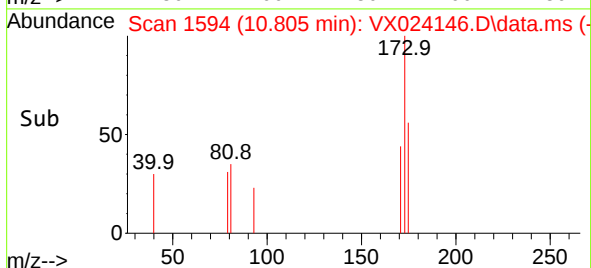
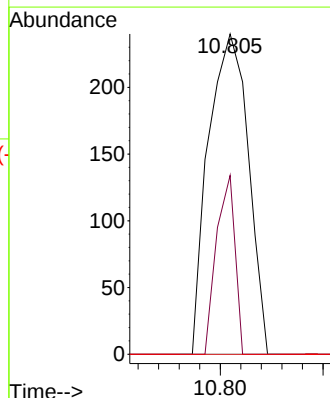
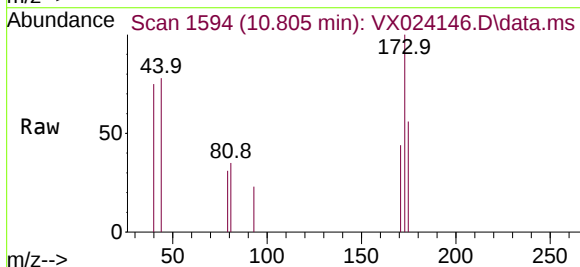
Instrument :
MSVOA_X
ClientSampled :

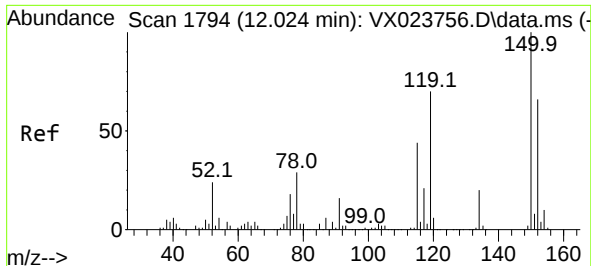
Tgt Ion:117 Resp: 223746
Ion Ratio Lower Upper
117 100
82 55.6 47.4 71.2
119 32.7 26.6 39.8



#71
Bromoform
Concen: 2.161 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion:173 Resp: 323
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#

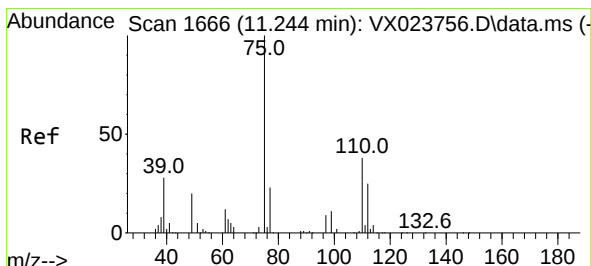
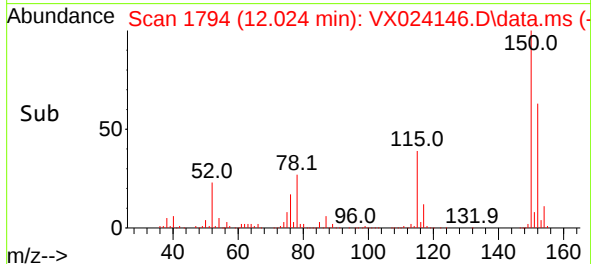
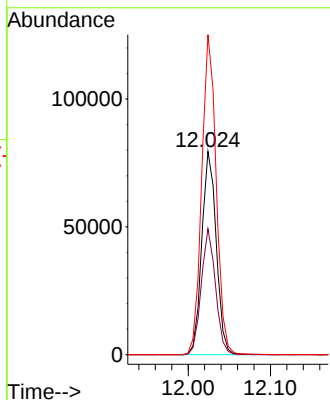
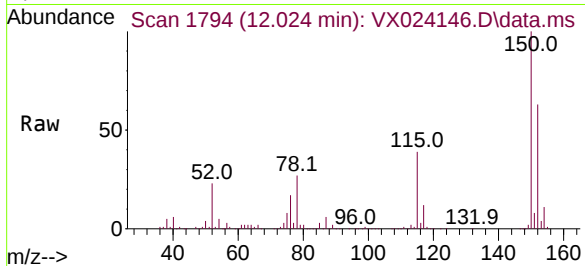




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024146.D
 Acq: 09 Sep 2021 17:30

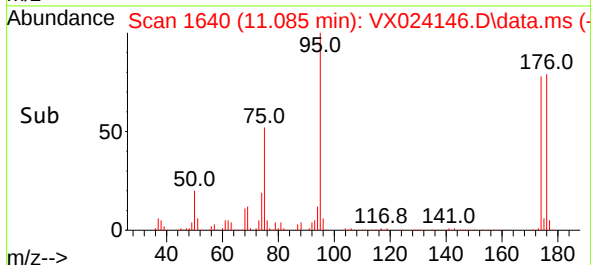
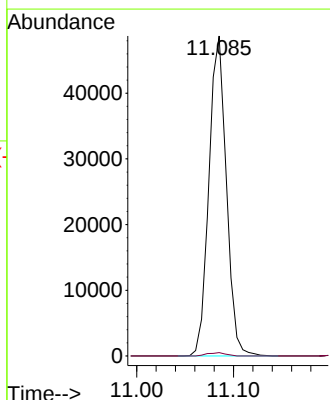
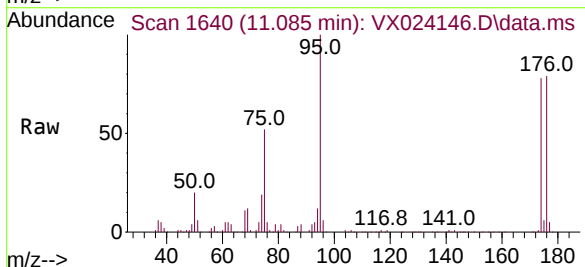
Instrument :
 MSVOA_X
 ClientSampled :

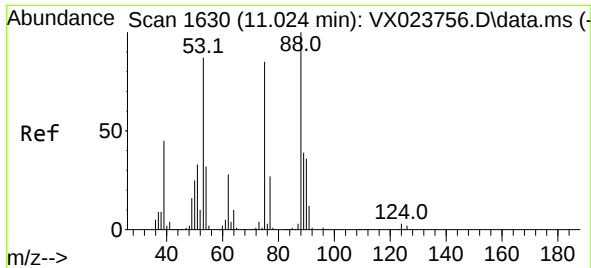
Tgt Ion:152 Resp: 97069
 Ion Ratio Lower Upper
 152 100
 115 61.0 41.1 123.3
 150 157.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.868 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024146.D
 Acq: 09 Sep 2021 17:30

Tgt Ion: 75 Resp: 60840
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

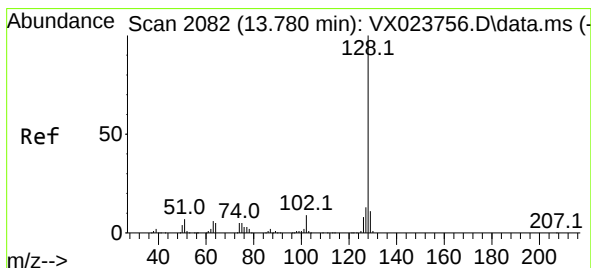
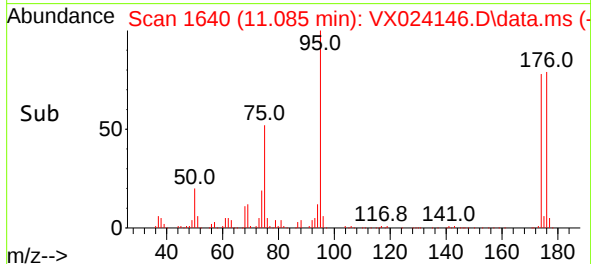
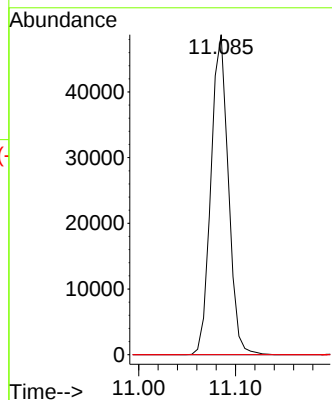
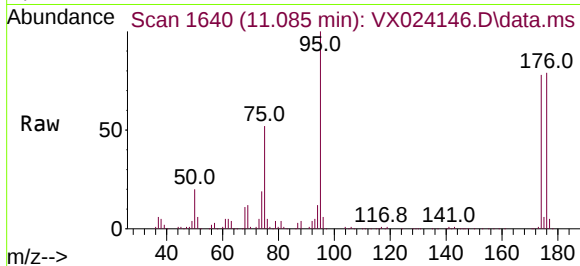




#81
trans-1,4-Dichloro-2-butene
Concen: 79.035 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 60840
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.325 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024146.D
Acq: 09 Sep 2021 17:30

Tgt Ion: 128 Resp: 311
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

