

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024678.D
 Acq On : 08 Oct 2021 18:20
 Operator : JC/MD
 Sample : M3990-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 05:49:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

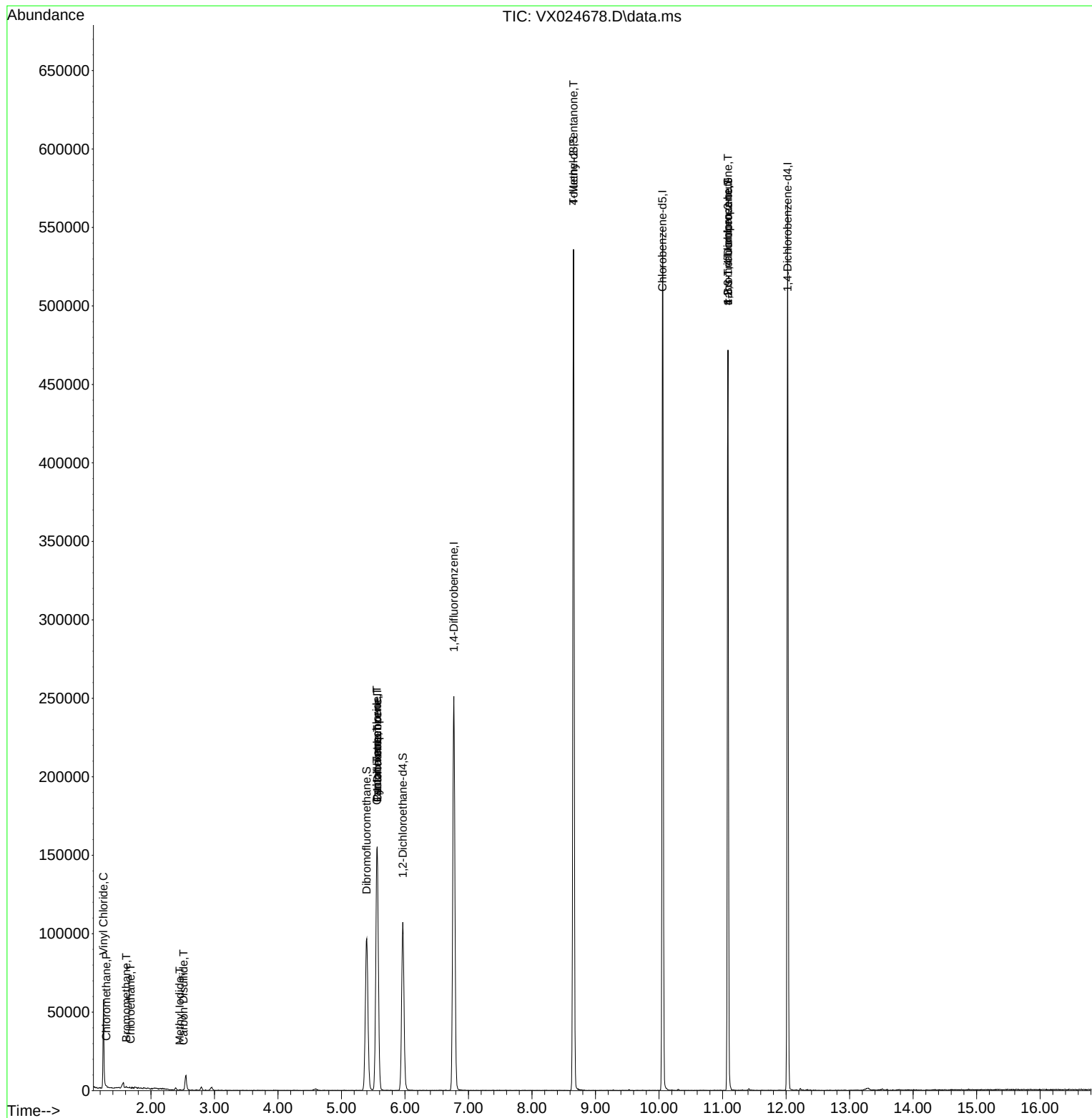
Internal Standards						
1) Pentafluorobenzene	5.562	168	146070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	250888	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105760	51.373	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.740%		
35) Dibromofluoromethane	5.397	113	83557	50.133	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.260%		
50) Toluene-d8	8.653	98	307151	50.070	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.140%		
62) 4-Bromofluorobenzene	11.085	95	119039	49.354	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.700%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	508	0.367	ug/l	91
4) Vinyl Chloride	1.252	62	329	0.227	ug/l #	1
5) Bromomethane	1.611	94	403	0.413	ug/l #	56
6) Chloroethane	1.679	64	82	0.343	ug/l #	43
10) Methyl Iodide	2.453	142	471	0.233	ug/l #	83
11) Tert butyl alcohol	2.947	59	1281	Below Cal	#	73
16) Acetone	2.386	43	1667	Below Cal	#	85
17) Carbon Disulfide	2.514	76	376	0.336	ug/l #	75
20) Methylene Chloride	2.788	84	868	Below Cal	#	77
31) Cyclohexane	5.562	56	3243	1.316	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11435	4.754	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15041	5.745	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	1522	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	63412	24.876	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	63412	67.845	ug/l #	12

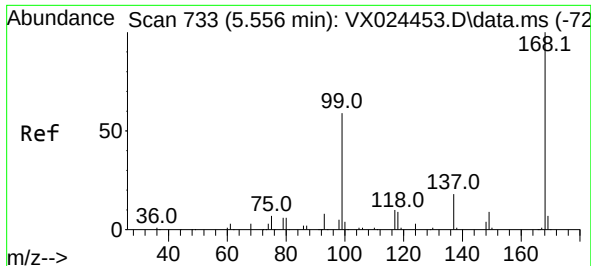
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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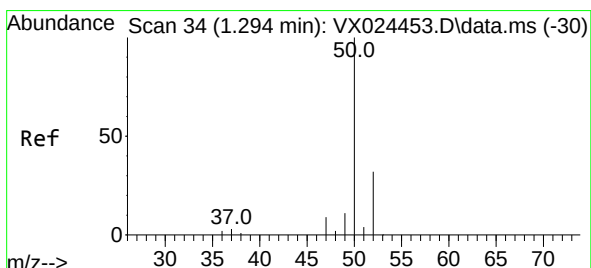
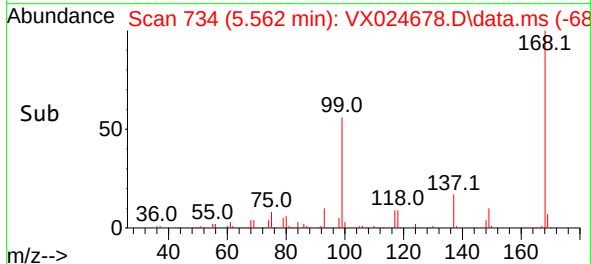
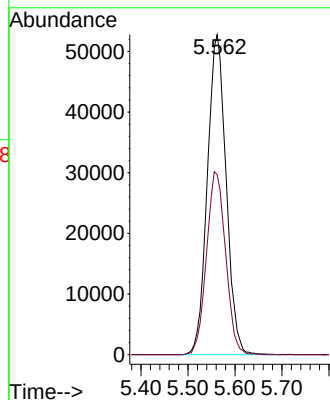
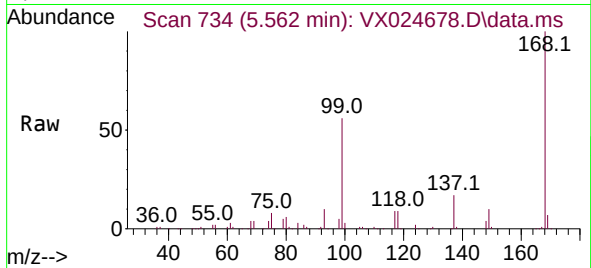




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

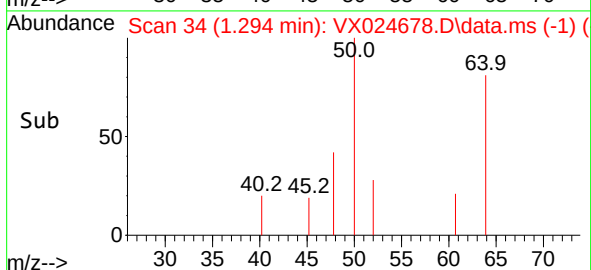
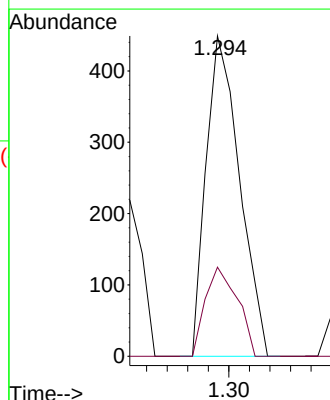
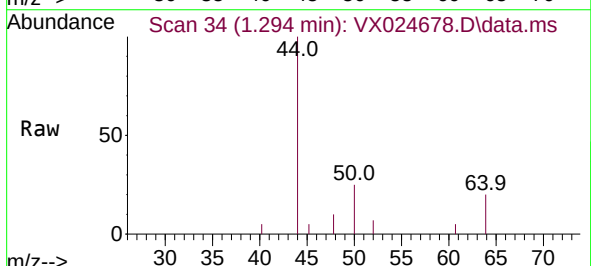
Instrument :
MSVOA_X
ClientSampleId :

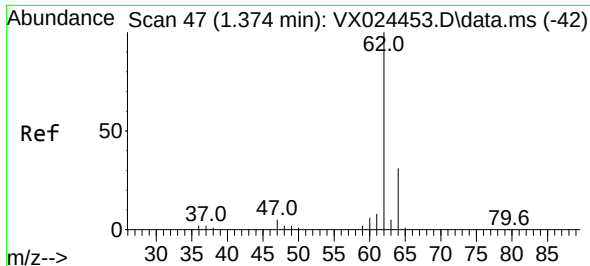
Tgt Ion:168 Resp: 146070
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#3
Chloromethane
Concen: 0.367 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Tgt Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 27.8 26.4 39.6

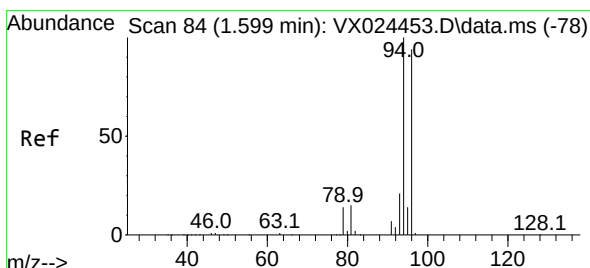
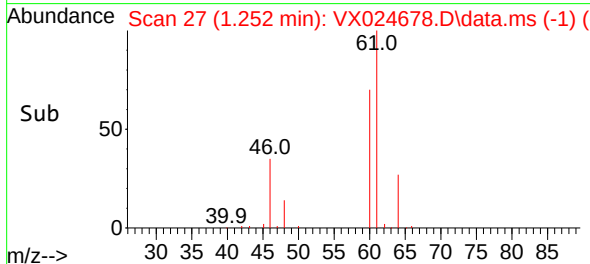
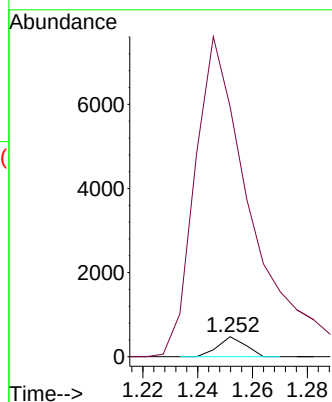
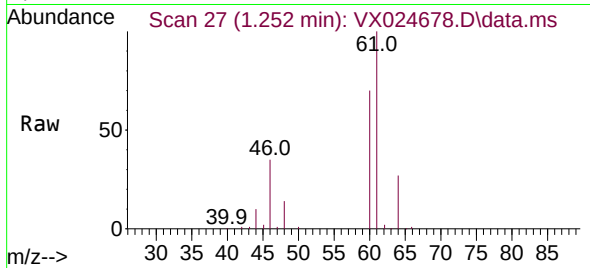




#4
 Vinyl Chloride
 Concen: 0.227 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX024678.D
 Acq: 08 Oct 2021 18:20

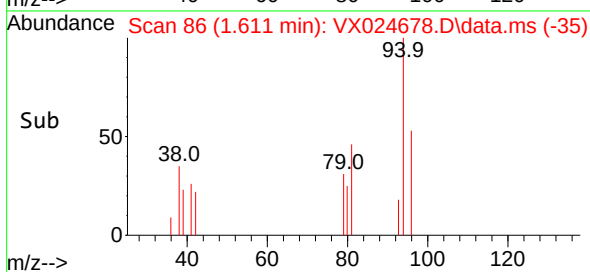
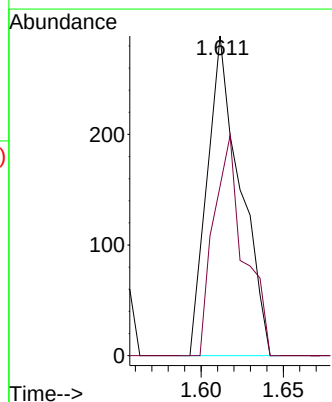
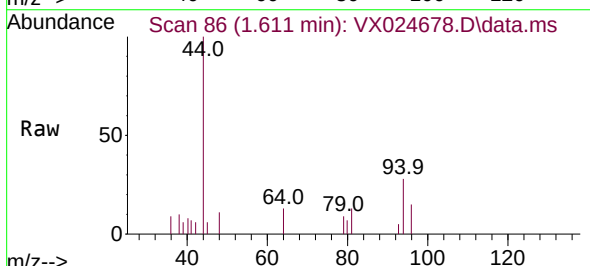
Instrument :
 MSVOA_X
 ClientSampled :

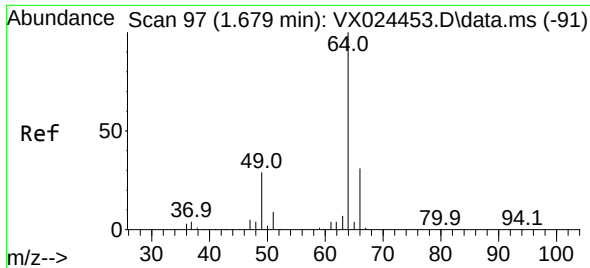
Tgt Ion: 62 Resp: 329
 Ion Ratio Lower Upper
 62 100
 64 1036.0 25.7 38.5#



#5
 Bromomethane
 Concen: 0.413 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX024678.D
 Acq: 08 Oct 2021 18:20

Tgt Ion: 94 Resp: 403
 Ion Ratio Lower Upper
 94 100
 96 52.9 76.4 114.6#

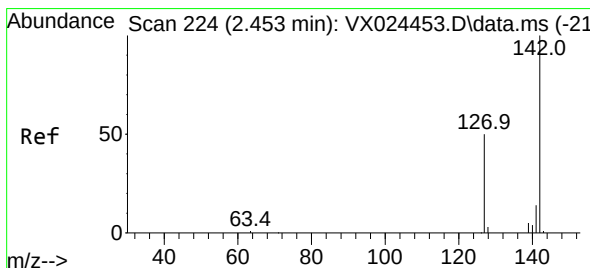
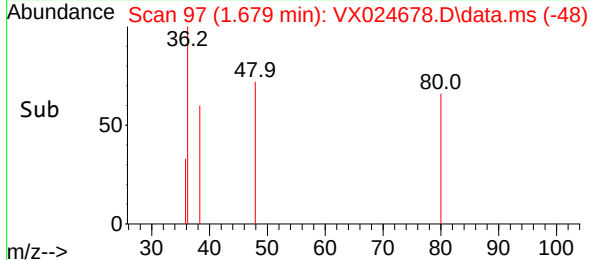
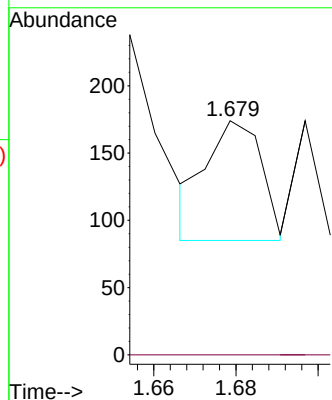
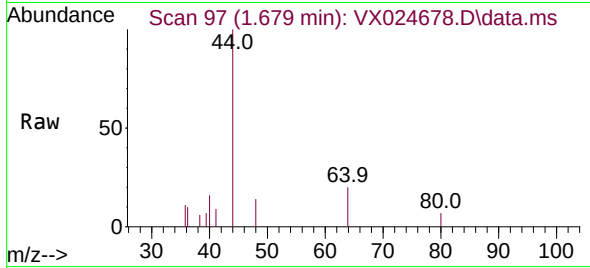




#6
Chloroethane
Concen: 0.343 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

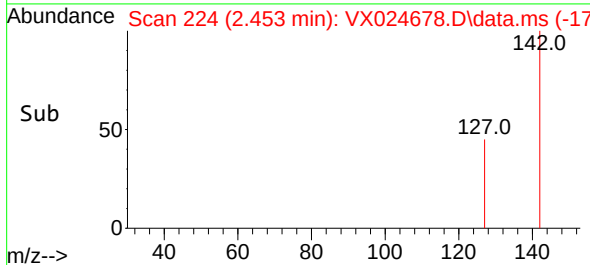
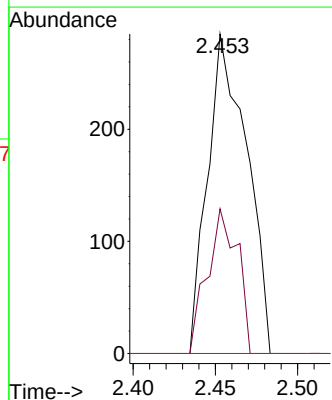
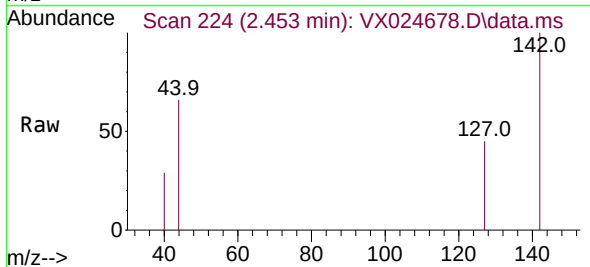
Instrument :
MSVOA_X
ClientSampled :

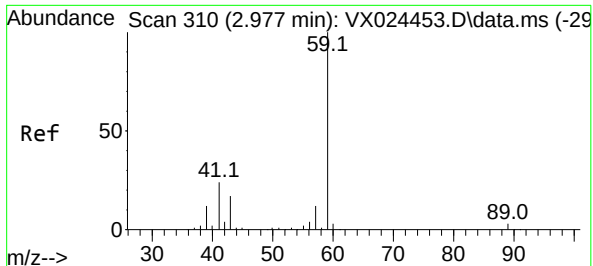
Tgt Ion: 64 Resp: 82
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.233 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Tgt Ion: 142 Resp: 471
Ion Ratio Lower Upper
142 100
127 35.0 33.3 49.9
141 0.0 11.4 17.0#



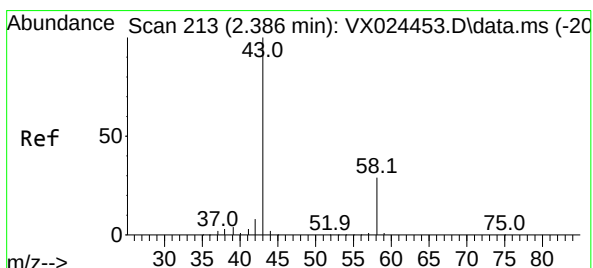
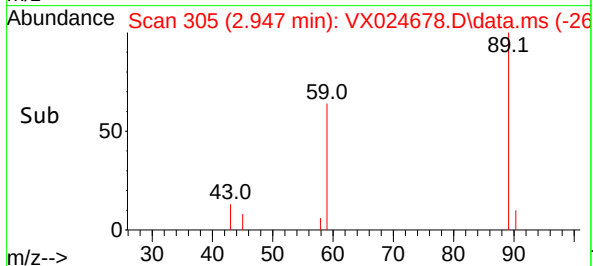
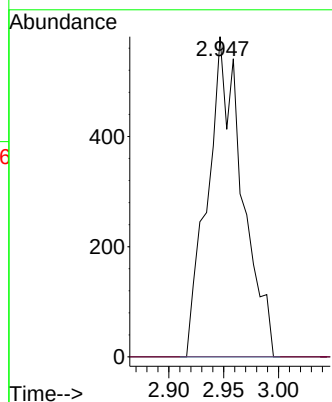
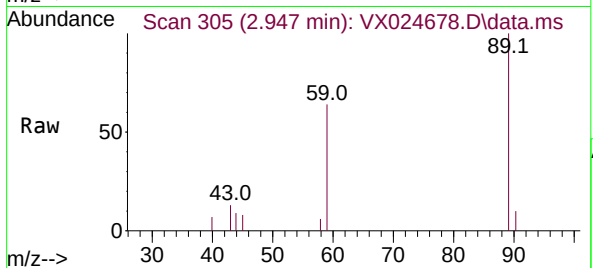


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Instrument :
MSVOA_X
ClientSampled :

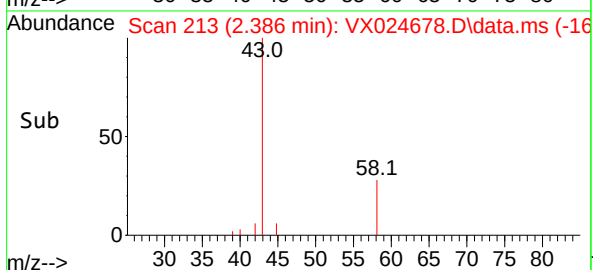
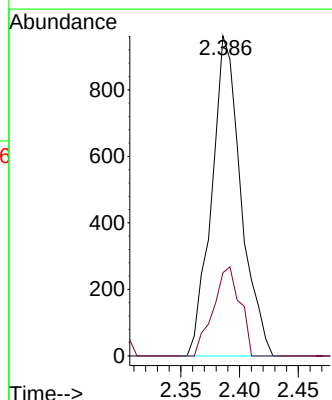
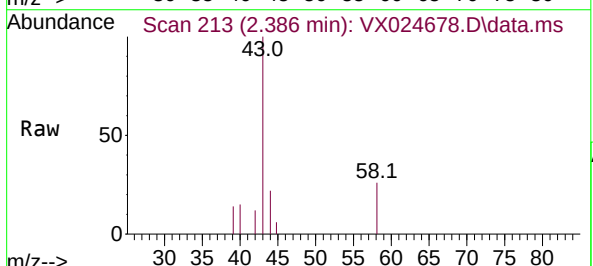
Tgt Ion: 59 Resp: 1281
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

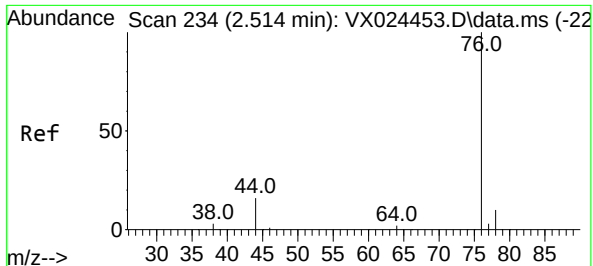


#16

Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

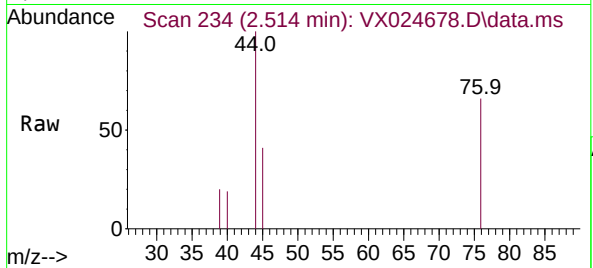
Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 26.0 27.8 41.8#



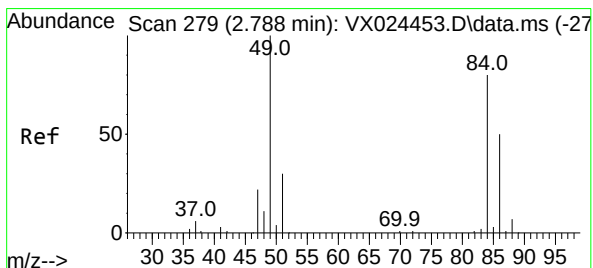
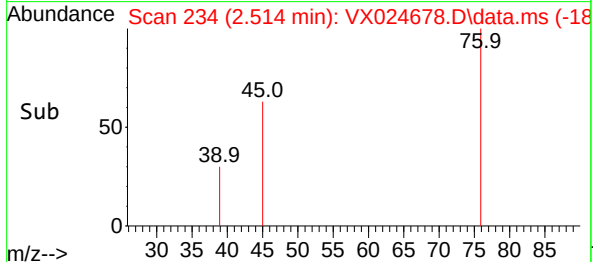
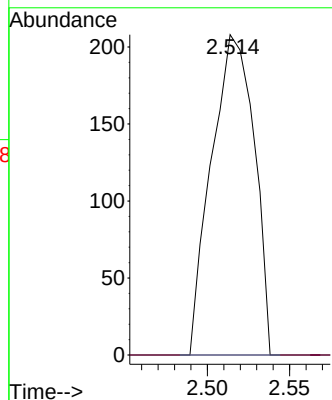


#17
Carbon Disulfide
Concen: 0.336 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

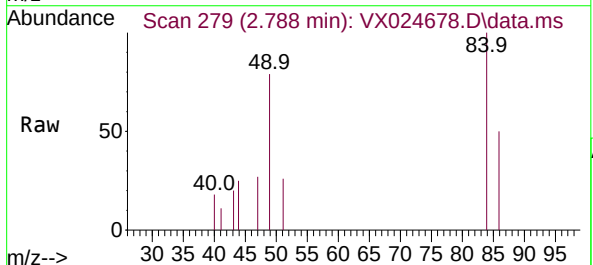
Instrument :
MSVOA_X
ClientSampled :



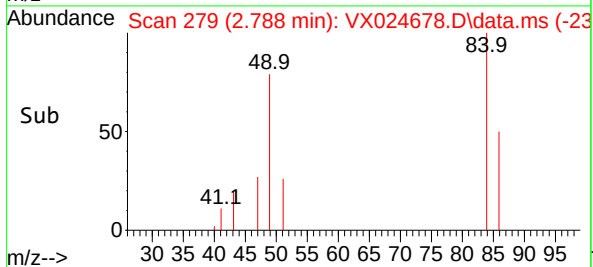
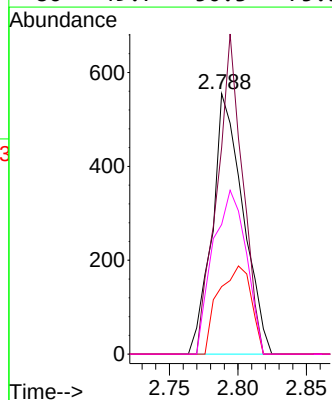
Tgt Ion: 76 Resp: 376
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

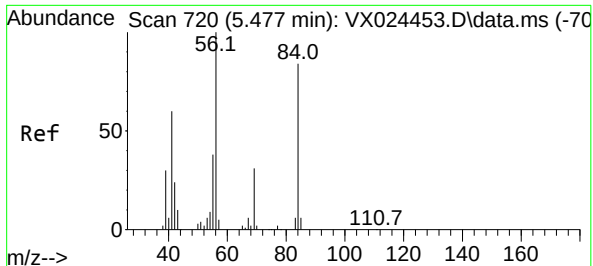


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20



Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 79.3 88.6 132.8#
51 25.9 27.0 40.6#
86 49.7 50.3 75.5#

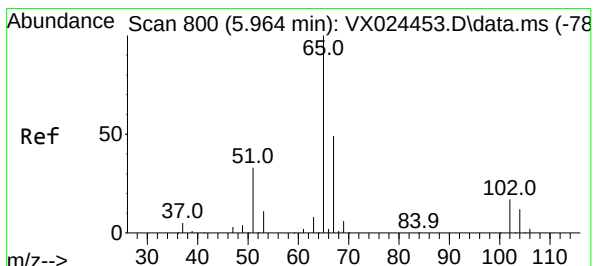
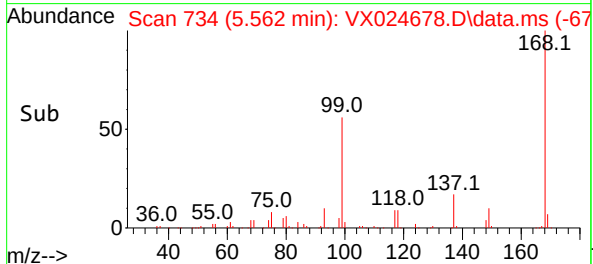
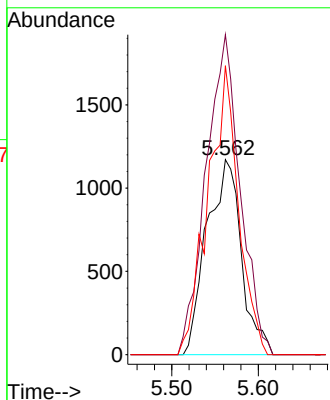
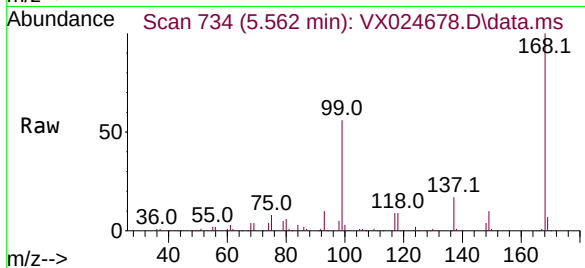




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

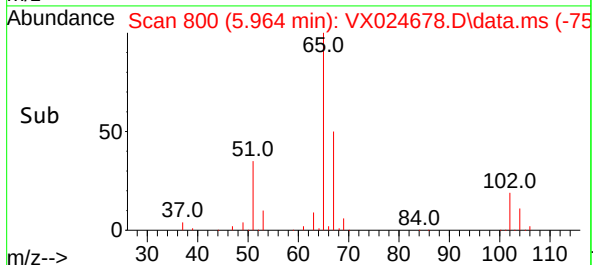
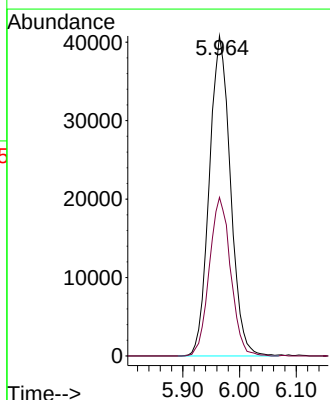
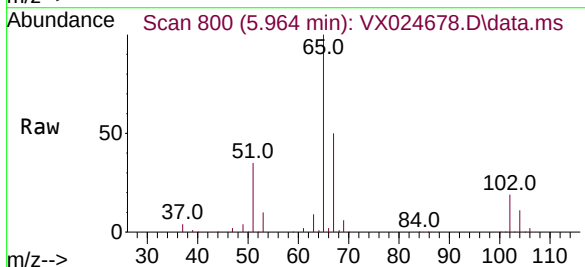
Instrument :
MSVOA_X
ClientSampled :

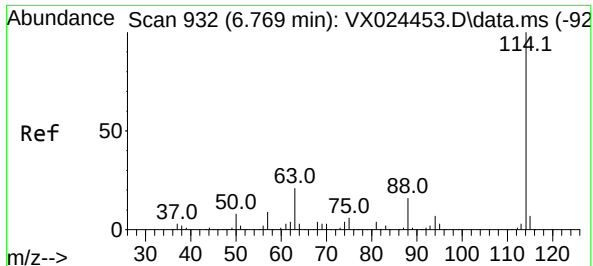
Tgt Ion: 56 Resp: 3243
Ion Ratio Lower Upper
56 100
69 164.1 25.3 37.9#
84 148.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.373 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Tgt Ion: 65 Resp: 105760
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

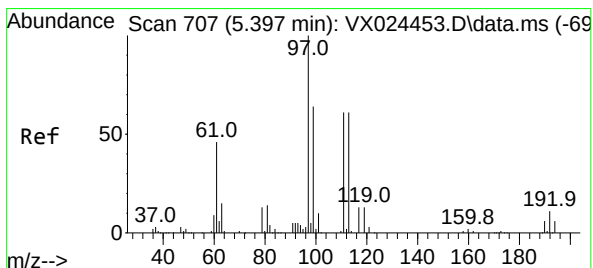
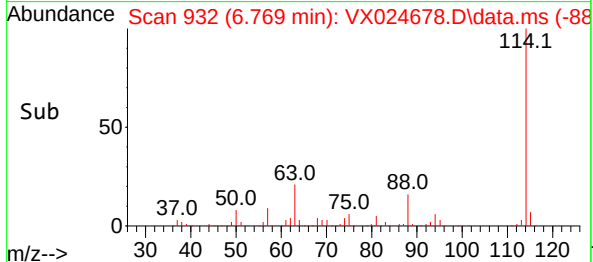
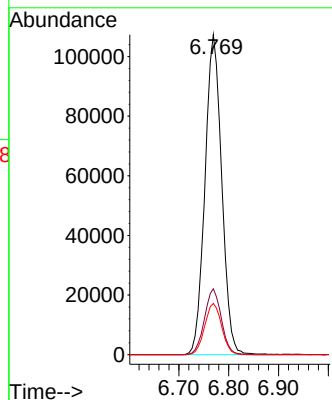
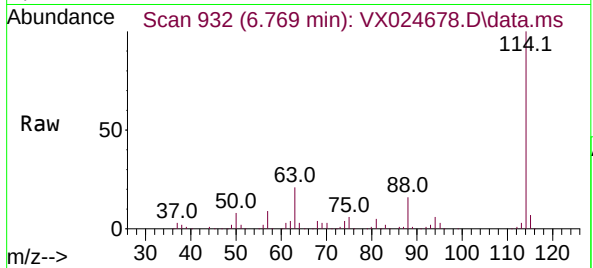




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

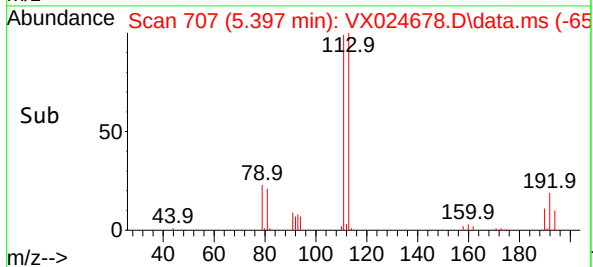
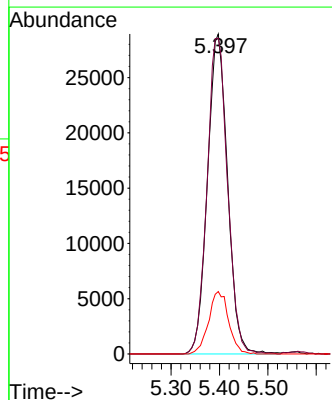
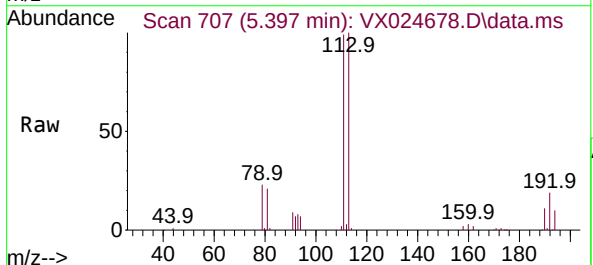
Instrument :
MSVOA_X
ClientSampled :

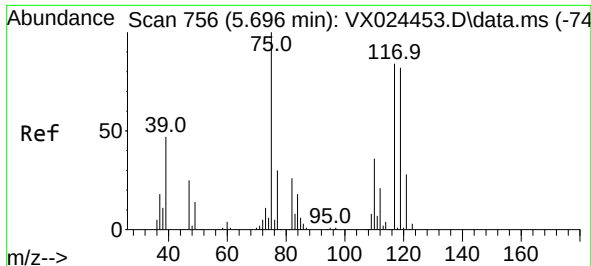
Tgt Ion:114 Resp: 250888
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.133 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Tgt Ion:113 Resp: 83557
Ion Ratio Lower Upper
113 100
111 100.6 81.9 122.9
192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024678.D

Acq: 08 Oct 2021 18:20

Tgt Ion: 75 Resp: 11435

Ion Ratio Lower Upper

75 100

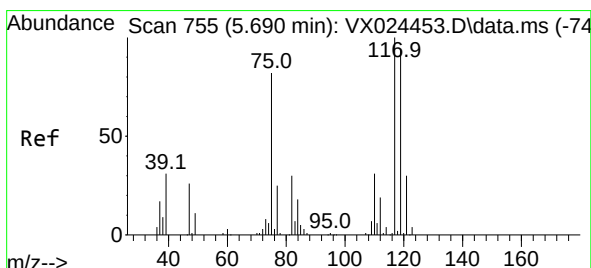
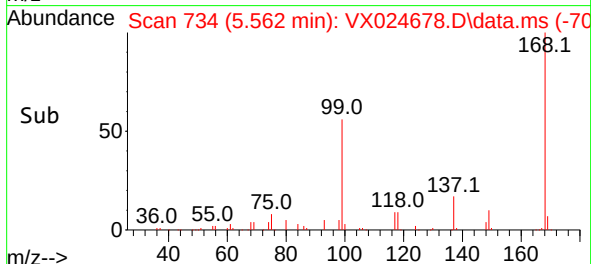
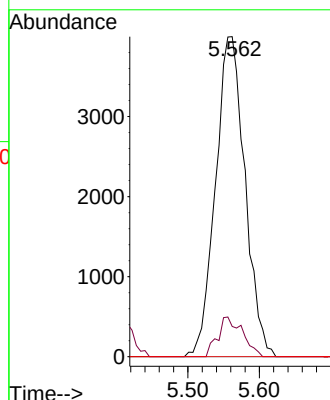
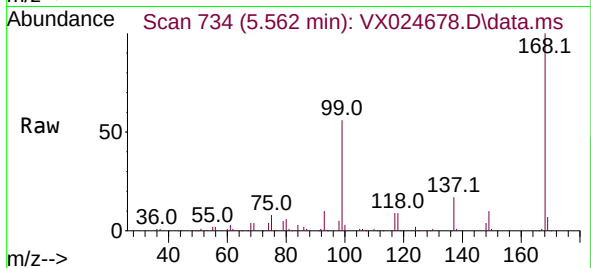
110 10.4 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.745 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX024678.D

Acq: 08 Oct 2021 18:20

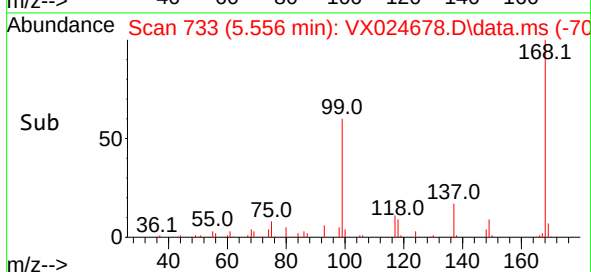
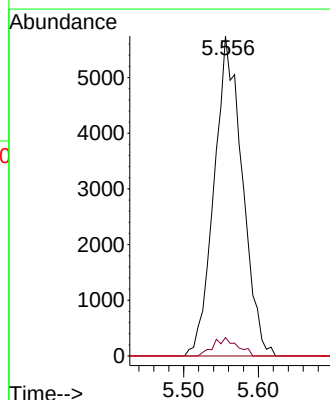
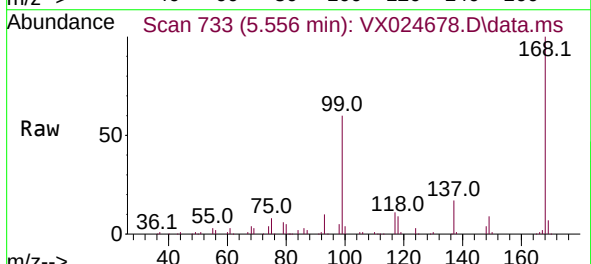
Tgt Ion:117 Resp: 15041

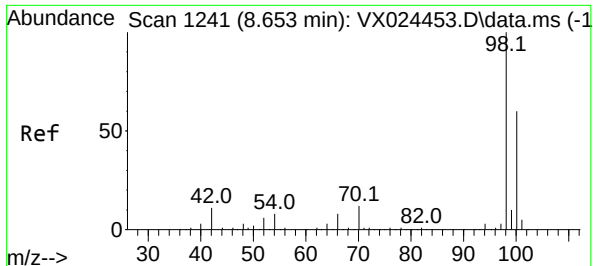
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 24.8 37.2#

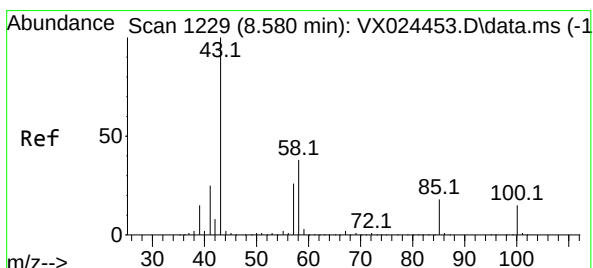
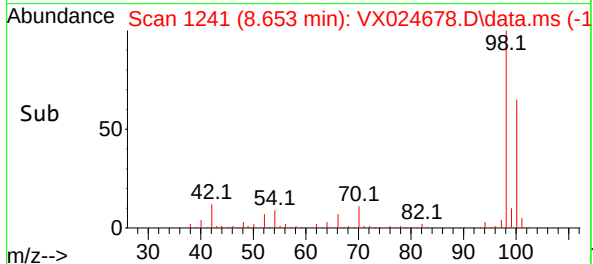
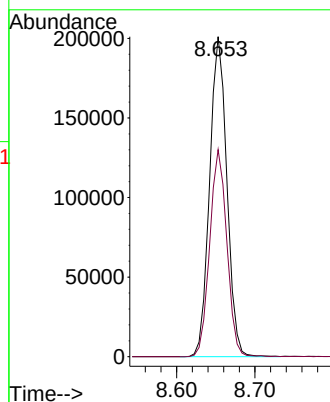
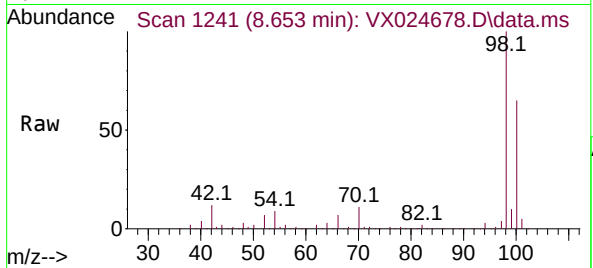




#50
Toluene-d8
Concen: 50.070 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

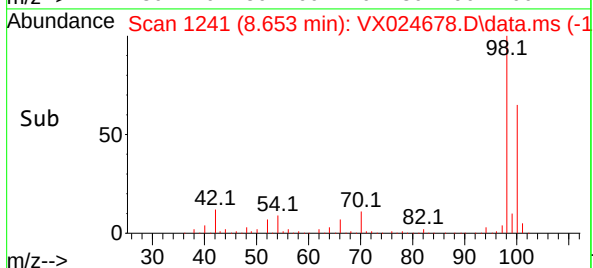
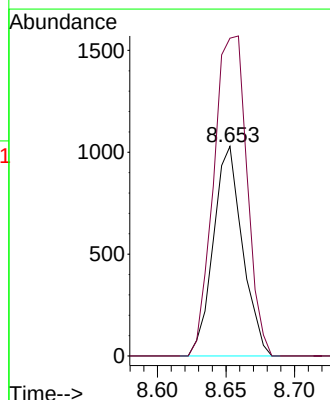
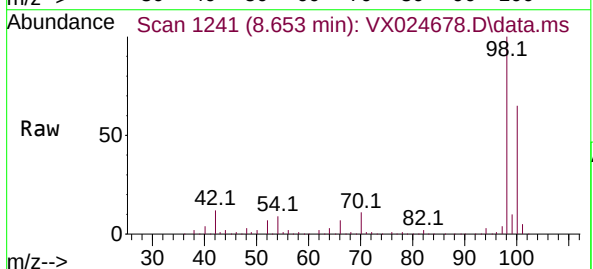
Instrument :
MSVOA_X
ClientSampled :

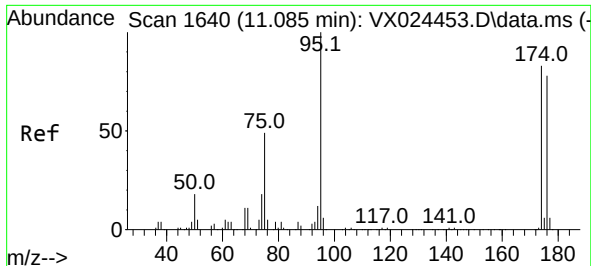
Tgt Ion: 98 Resp: 307151
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 174.5 35.4 53.0#

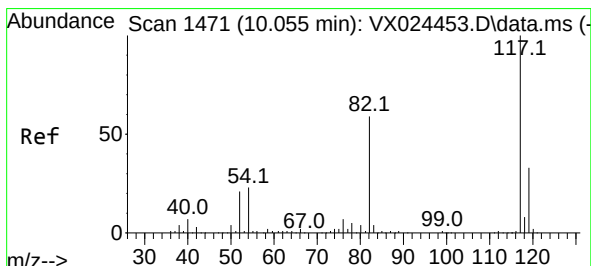
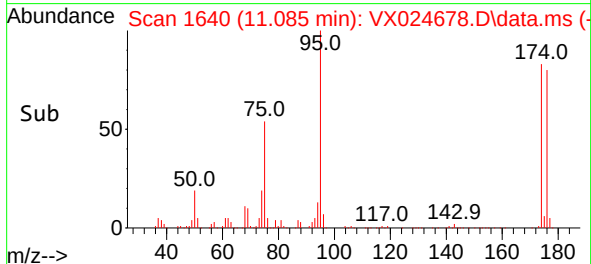
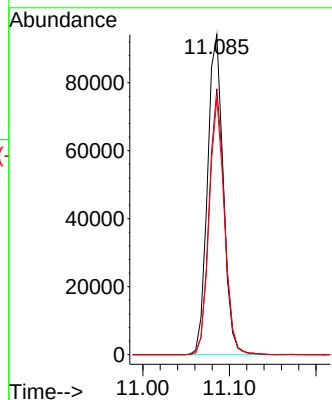
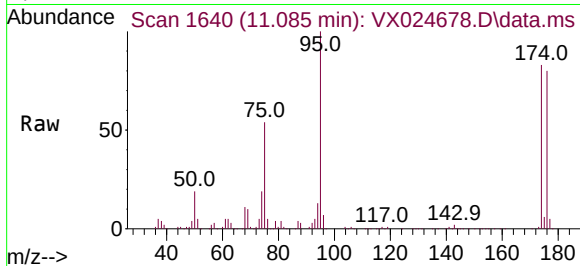




#62
4-Bromofluorobenzene
Concen: 49.354 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

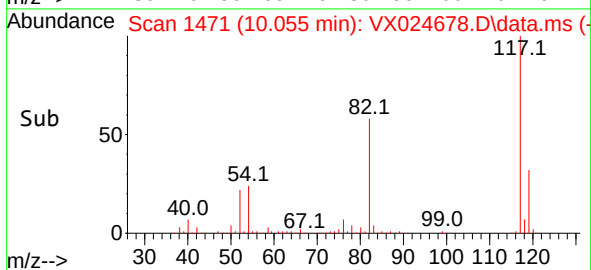
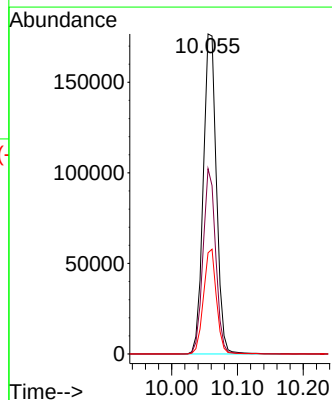
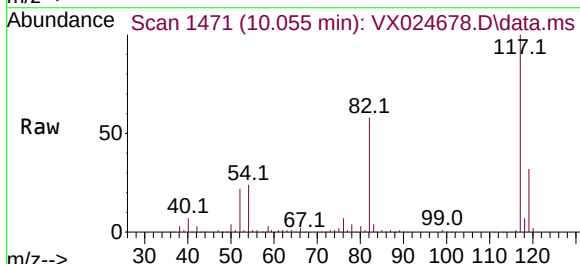
Instrument :
MSVOA_X
ClientSampled :

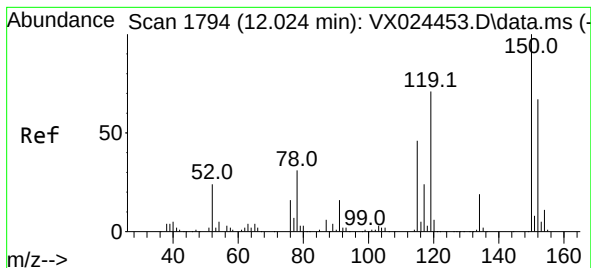
Tgt Ion: 95 Resp: 119039
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024678.D
Acq: 08 Oct 2021 18:20

Tgt Ion: 117 Resp: 245422
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 31.6 26.6 39.8

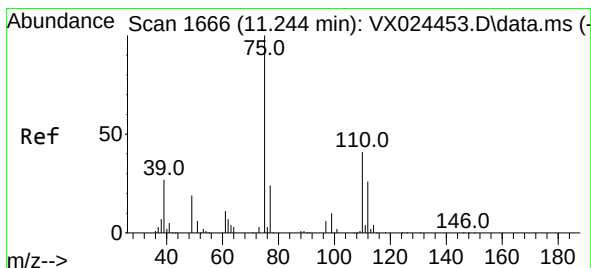
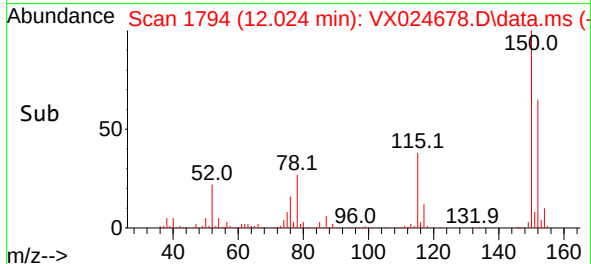
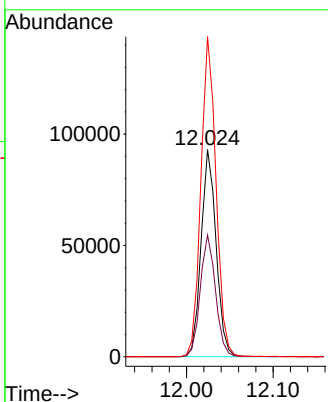
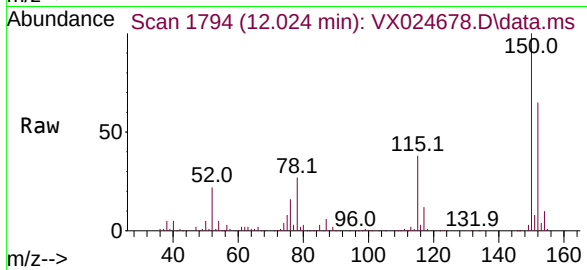




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024678.D
 Acq: 08 Oct 2021 18:20

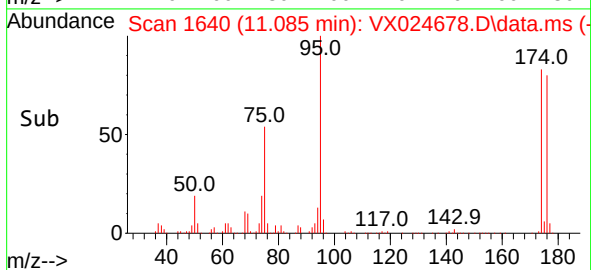
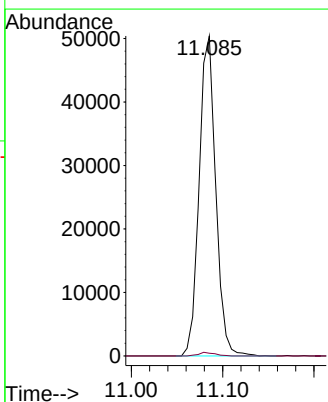
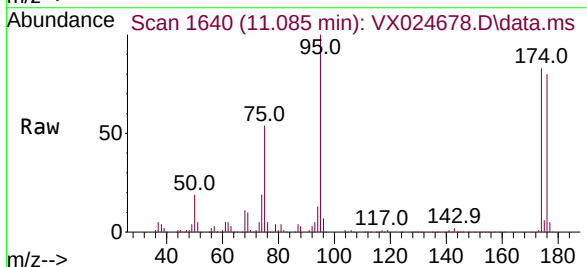
Instrument :
 MSVOA_X
 ClientSampled :

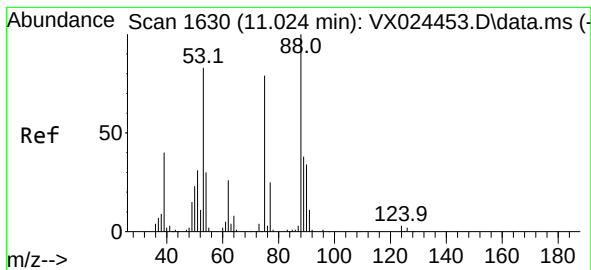
Tgt Ion:152 Resp: 112251
 Ion Ratio Lower Upper
 152 100
 115 59.6 41.1 123.3
 150 155.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.876 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024678.D
 Acq: 08 Oct 2021 18:20

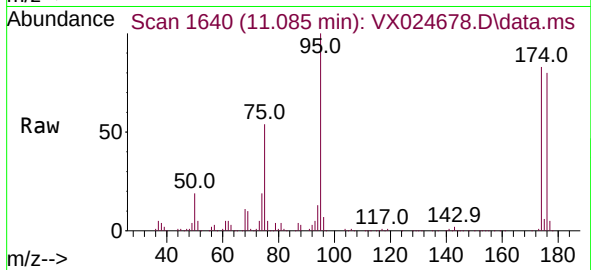
Tgt Ion: 75 Resp: 63412
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.845 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024678.D
 Acq: 08 Oct 2021 18:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 63412
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

