

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024692.D
 Acq On : 09 Oct 2021 00:59
 Operator : JC/MD
 Sample : M4096-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:37:47 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)

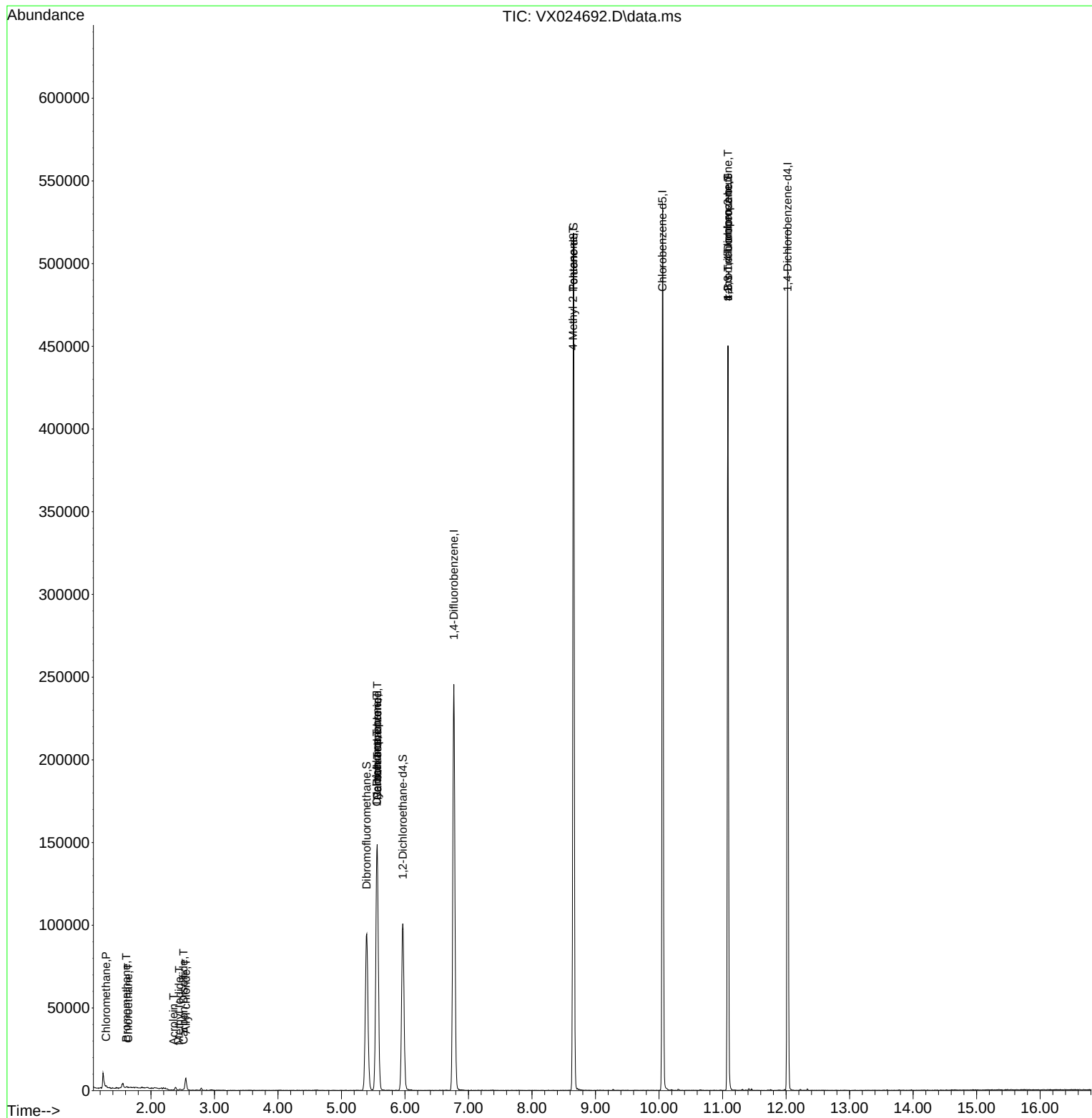
Internal Standards						
1) Pentafluorobenzene	5.562	168	138695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103217	52.804	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.600%	
35) Dibromofluoromethane	5.397	113	80998	50.435	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.860%	
50) Toluene-d8	8.653	98	295954	50.069	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	11.085	95	111041	47.779	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.560%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	461	0.350	ug/l	93
5) Bromomethane	1.611	94	311	0.336	ug/l #	80
6) Chloroethane	1.642	64	135	0.405	ug/l #	43
10) Methyl Iodide	2.447	142	791	0.413	ug/l #	84
11) Tert butyl alcohol	2.946	59	172	Below Cal	#	73
13) Acrolein	2.355	56	20	10.239	ug/l #	14
14) Allyl chloride	2.550	41	757	0.326	ug/l #	39
16) Acetone	2.386	43	1838	Below Cal		97
17) Carbon Disulfide	2.514	76	739	0.452	ug/l #	75
20) Methylene Chloride	2.794	84	552	Below Cal	#	90
31) Cyclohexane	5.556	56	3096	1.323	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10395	4.485	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14395	5.706	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1447	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	61084	25.704	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	61084	70.040	ug/l #	12

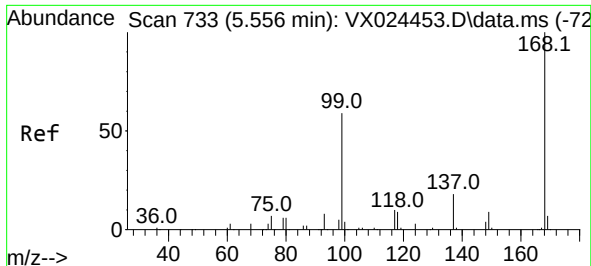
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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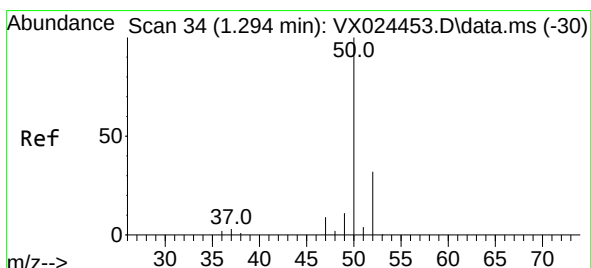
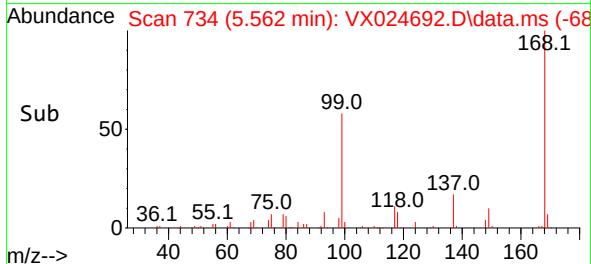
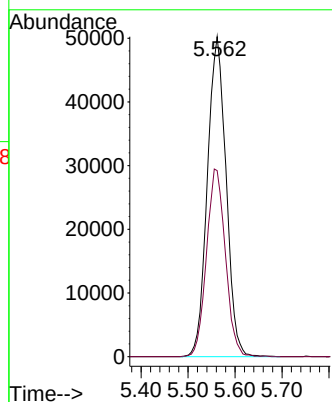
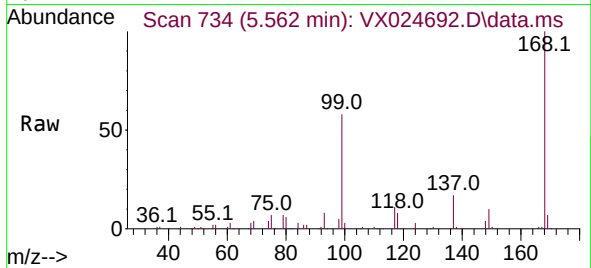




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

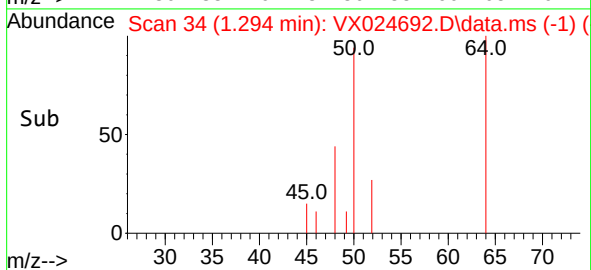
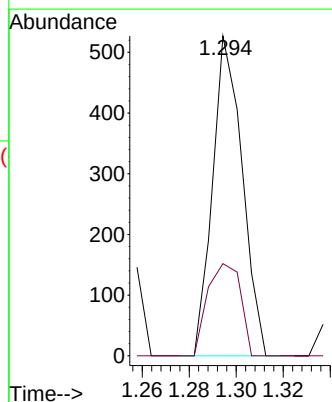
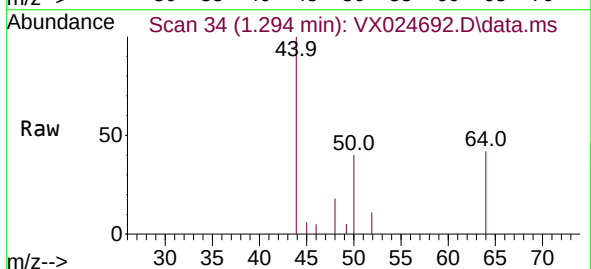
Instrument :
MSVOA_X
ClientSampled :

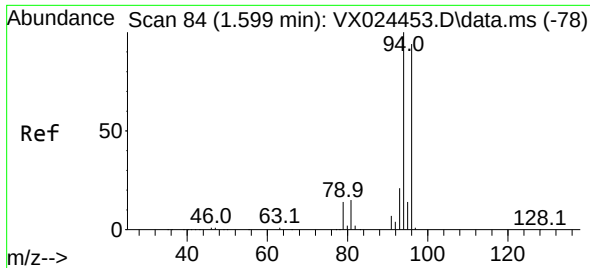
Tgt Ion:168 Resp: 138695
Ion Ratio Lower Upper
168 100
99 58.2 45.8 68.6



#3
Chloromethane
Concen: 0.350 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 50 Resp: 461
Ion Ratio Lower Upper
50 100
52 28.8 26.4 39.6

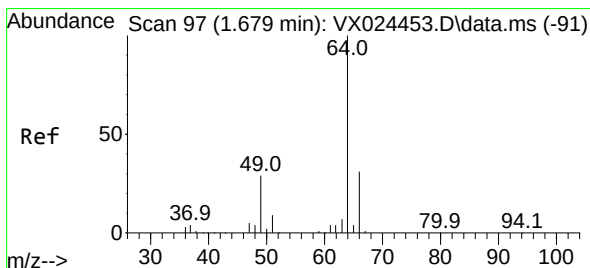
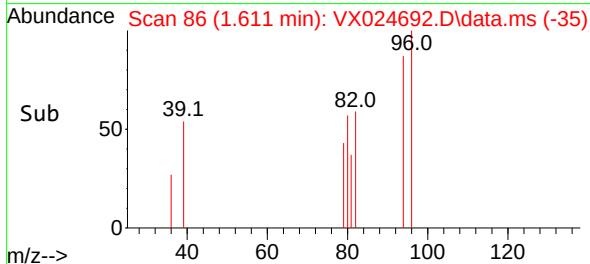
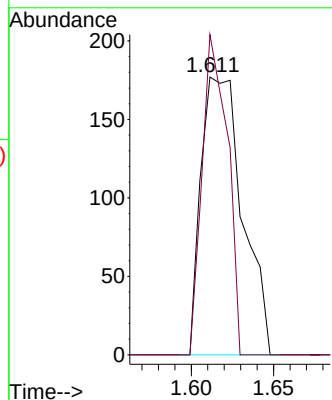
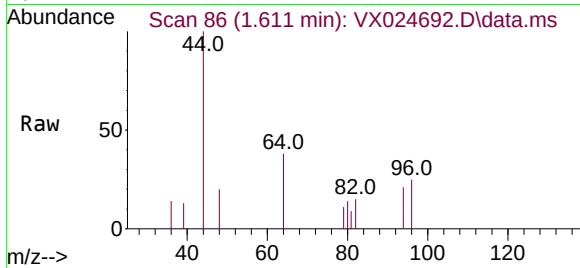




#5
Bromomethane
Concen: 0.336 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

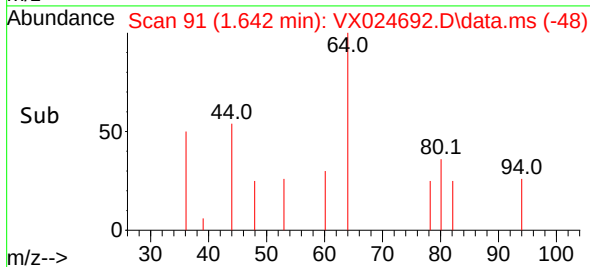
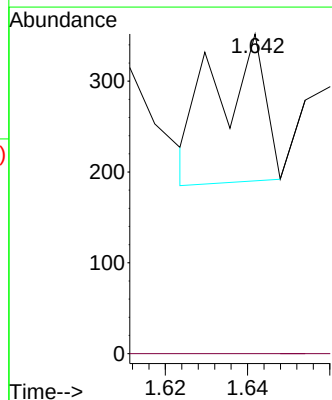
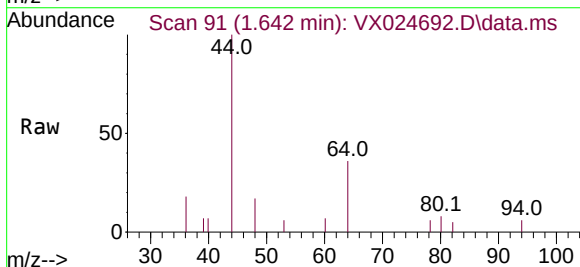
Instrument :
MSVOA_X
ClientSampled :

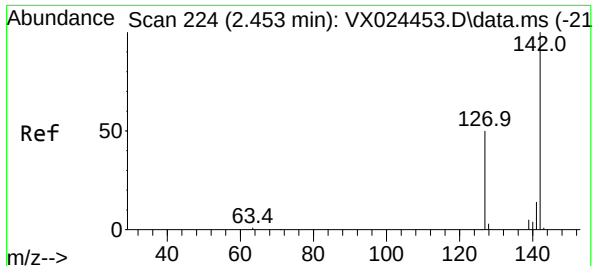
Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 115.3 76.4 114.6#



#6
Chloroethane
Concen: 0.405 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

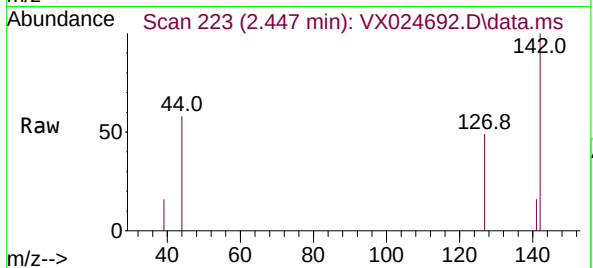
Tgt Ion: 64 Resp: 135
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



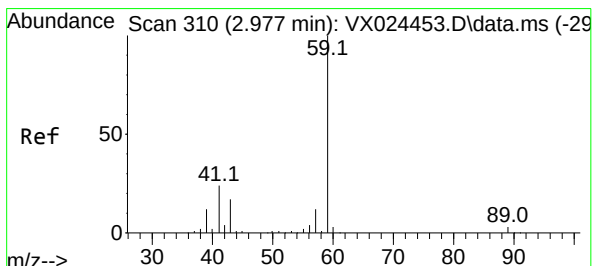
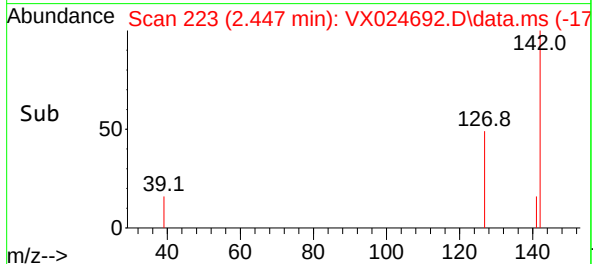
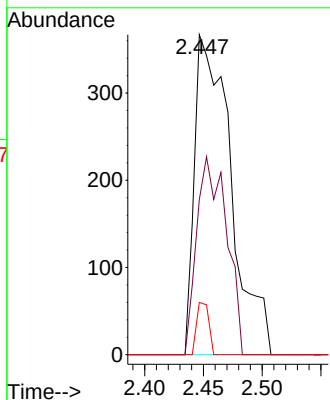


#10
Methyl Iodide
Concen: 0.413 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Instrument :
MSVOA_X
ClientSampled :

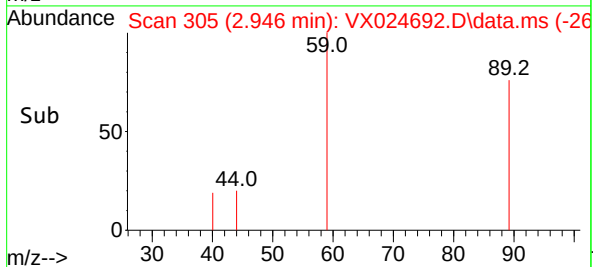
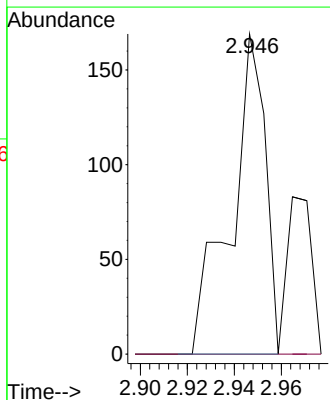
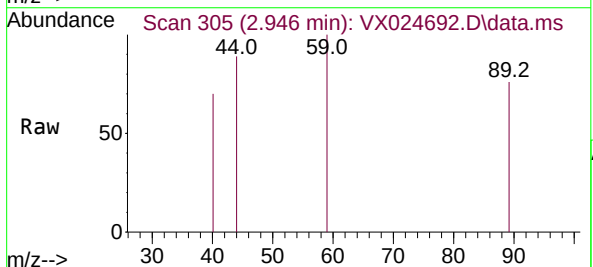


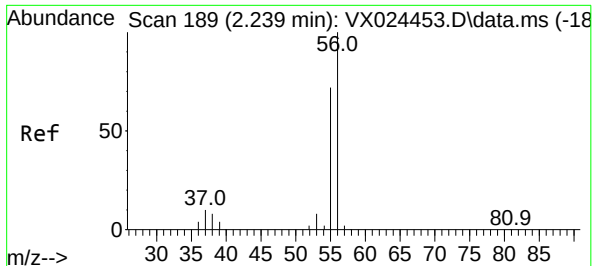
Tgt Ion:142 Resp: 791
Ion Ratio Lower Upper
142 100
127 50.7 33.3 49.9#
141 5.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

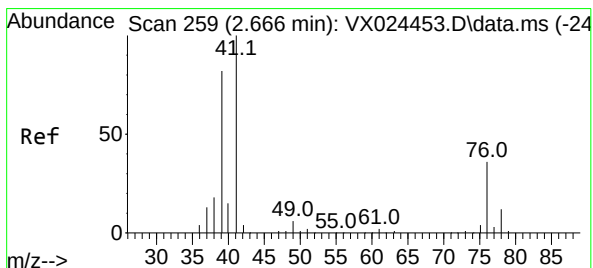
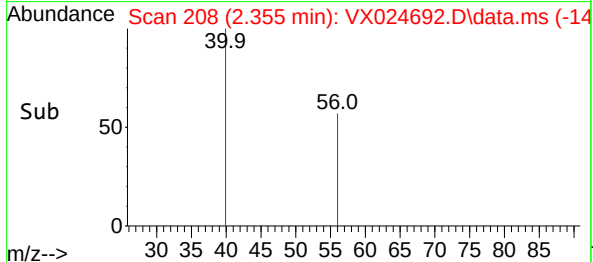
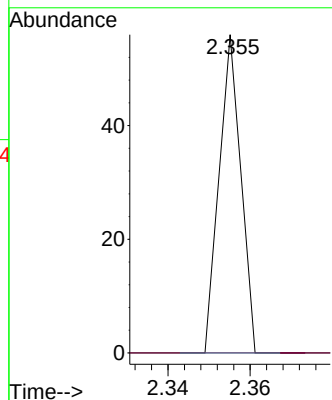
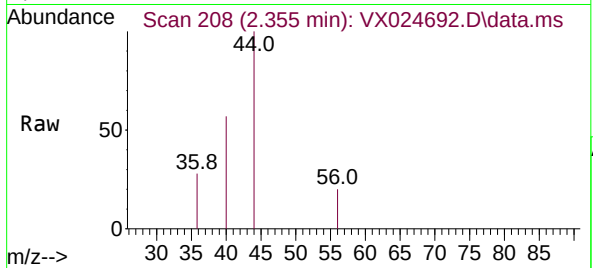




#13
Acrolein
Concen: 10.239 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.116 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

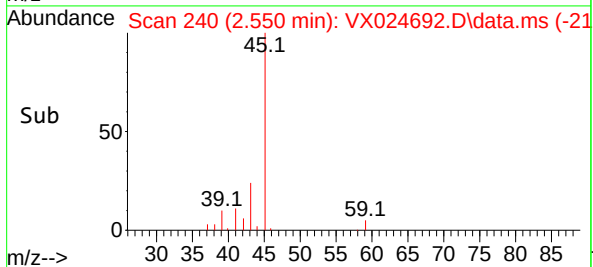
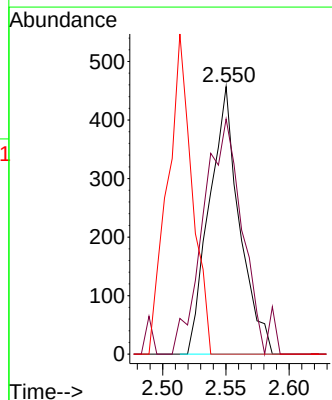
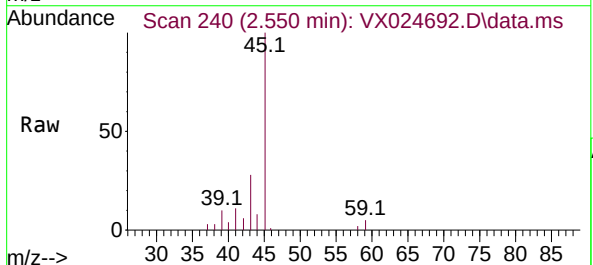
Instrument :
MSVOA_X
ClientSampled :

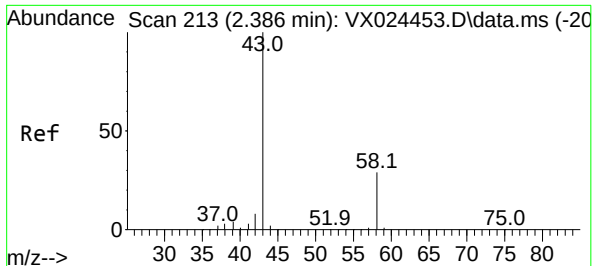
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.326 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 41 Resp: 757
Ion Ratio Lower Upper
41 100
39 111.9 51.6 77.4#
76 0.0 30.5 45.7#

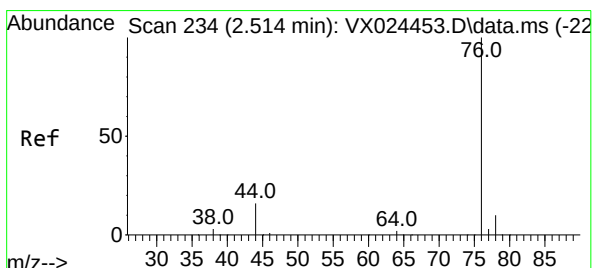
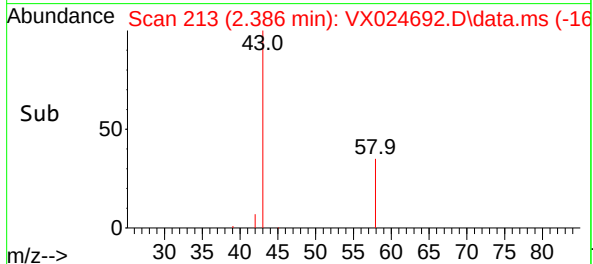
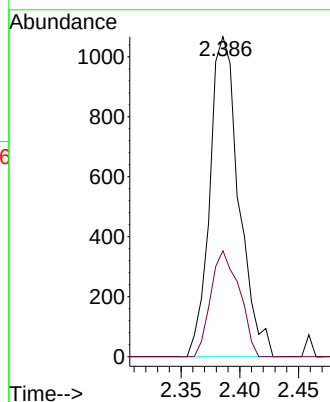
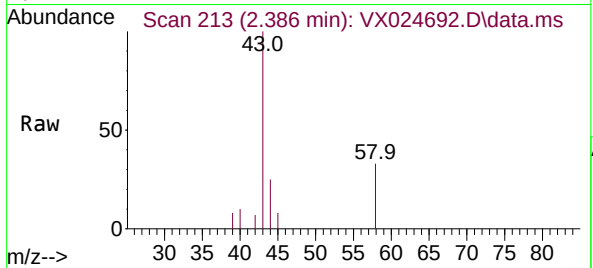




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

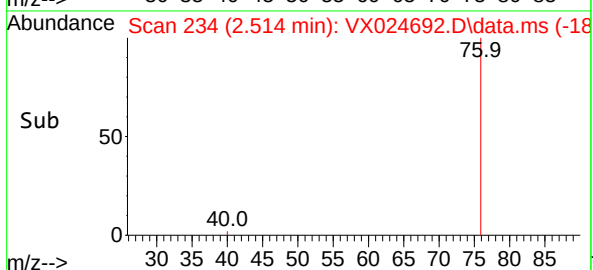
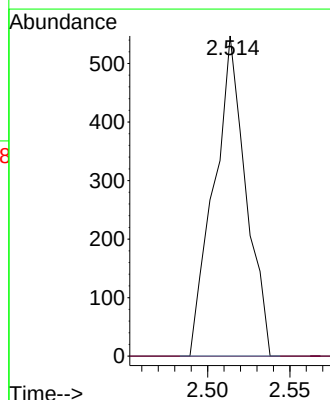
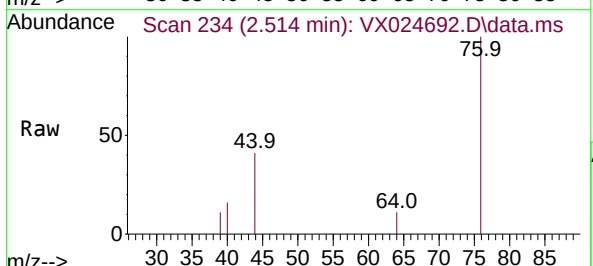
Instrument :
MSVOA_X
ClientSampled :

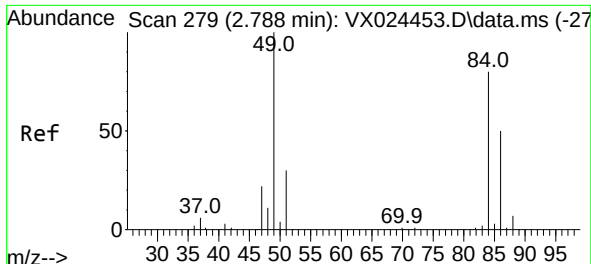
Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.452 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 76 Resp: 739
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

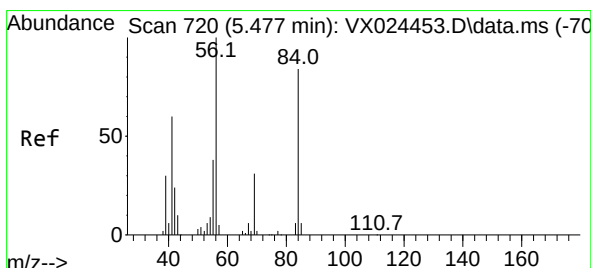
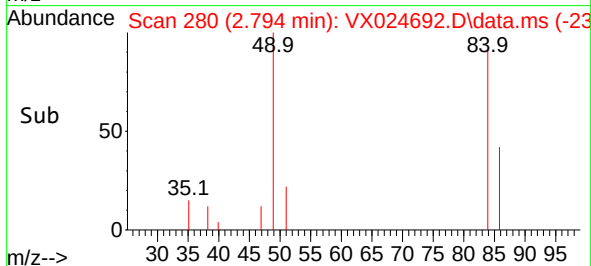
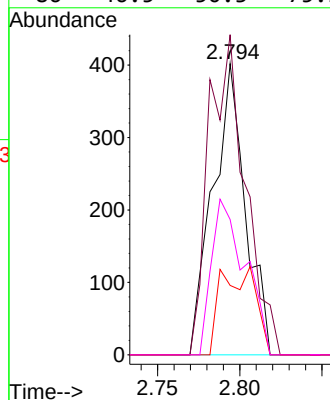
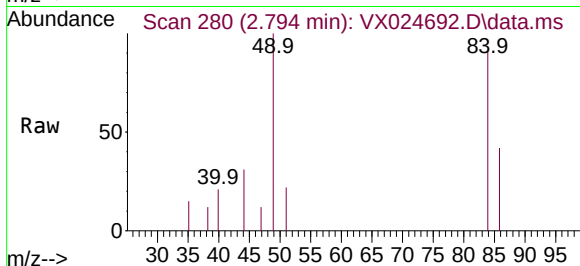
Lab File: VX024692.D

Acq: 09 Oct 2021 00:59

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 552

Ion	Ratio	Lower	Upper
84	100		
49	110.0	88.6	132.8
51	23.9	27.0	40.6#
86	46.5	50.3	75.5#



#31

Cyclohexane

Concen: 1.323 ug/l

RT: 5.556 min Scan# 733

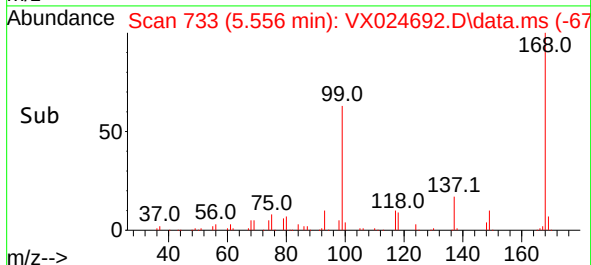
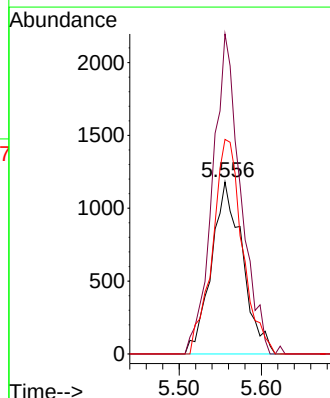
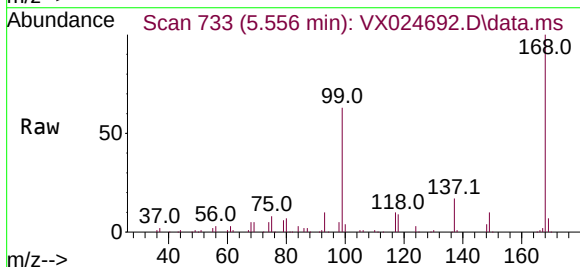
Delta R.T. 0.079 min

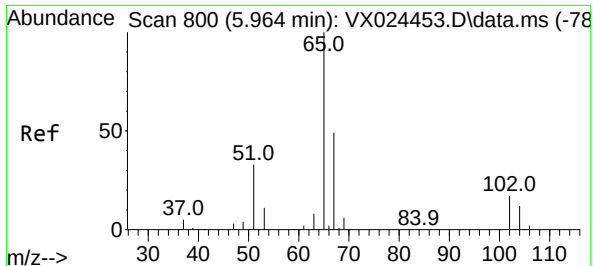
Lab File: VX024692.D

Acq: 09 Oct 2021 00:59

Tgt Ion: 56 Resp: 3096

Ion	Ratio	Lower	Upper
56	100		
69	186.1	25.3	37.9#
84	124.7	71.4	107.0#



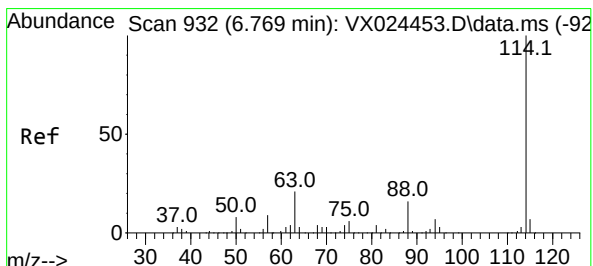
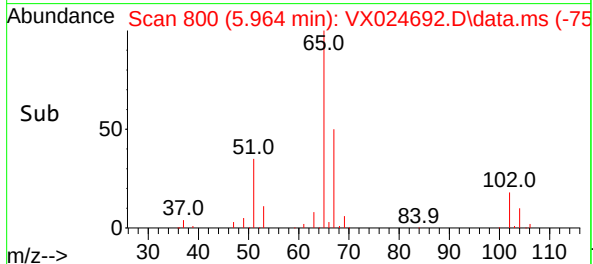
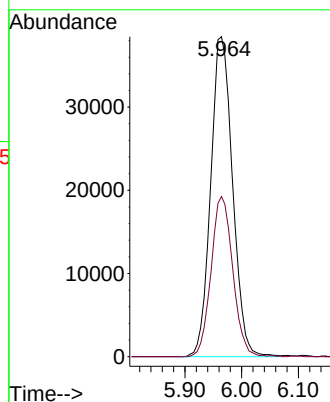
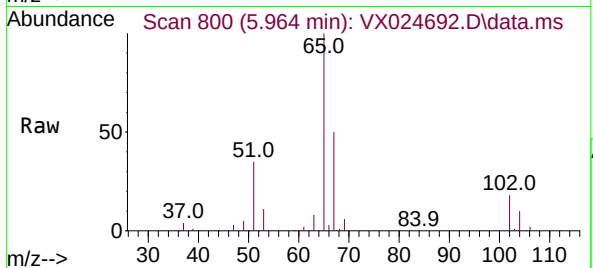


#33

1,2-Dichloroethane-d4
Concen: 52.804 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Instrument :
MSVOA_X
ClientSampleId :

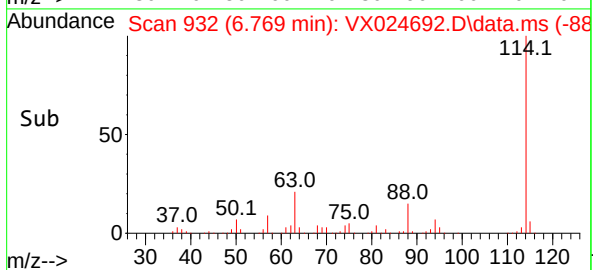
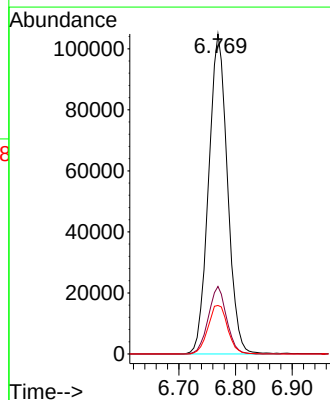
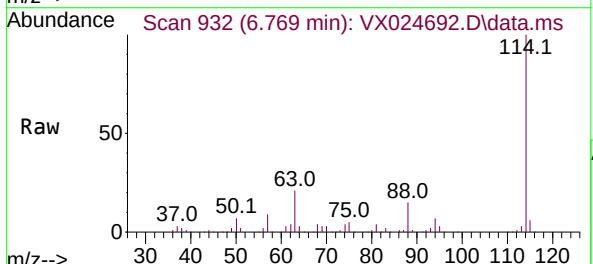
Tgt Ion: 65 Resp: 103217
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

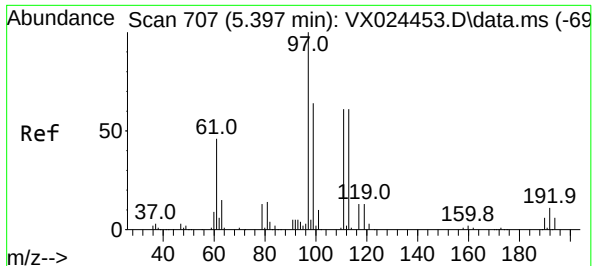


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 114 Resp: 241748
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.2 0.0 32.8

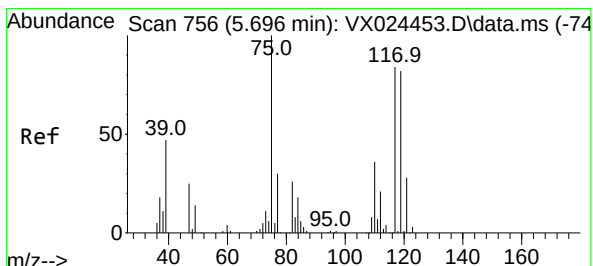
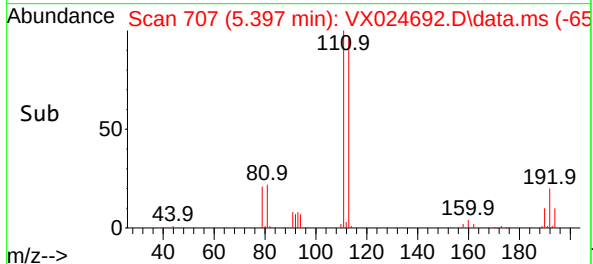
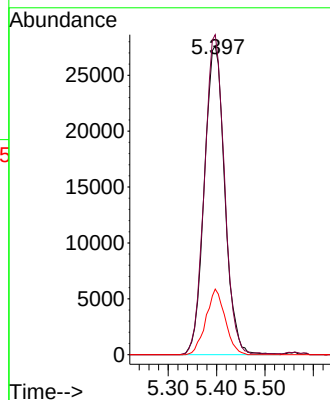
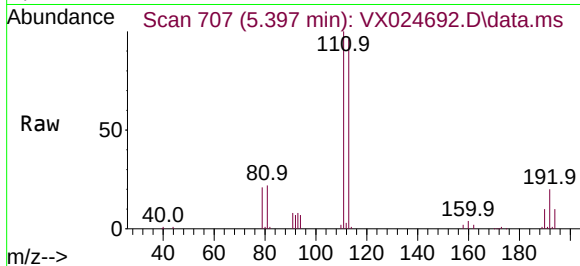




#35
Dibromofluoromethane
Concen: 50.435 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

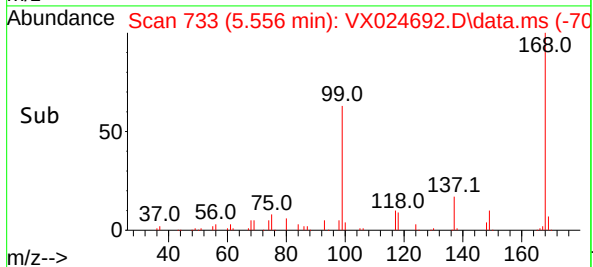
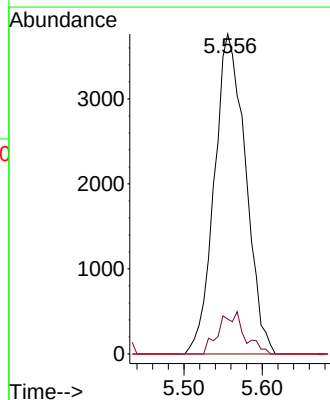
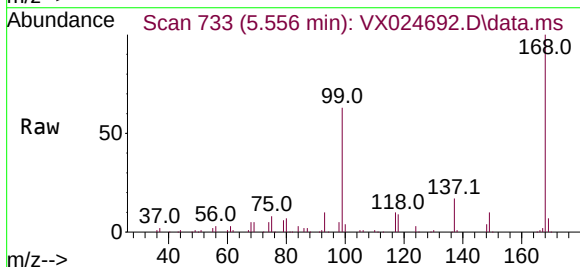
Instrument :
MSVOA_X
ClientSampleId :

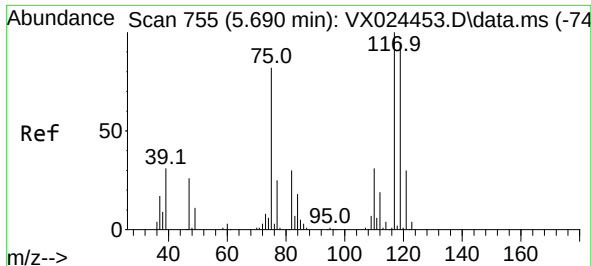
Tgt Ion:113 Resp: 80998
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

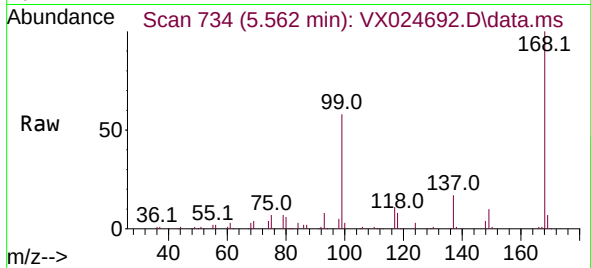
Tgt Ion: 75 Resp: 10395
Ion Ratio Lower Upper
75 100
110 10.9 18.1 54.4#
77 0.0 25.3 37.9#



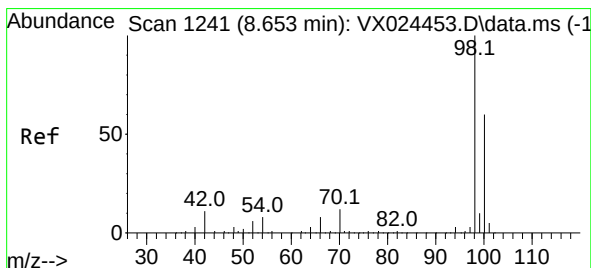
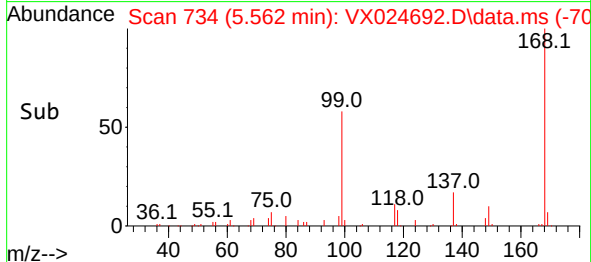
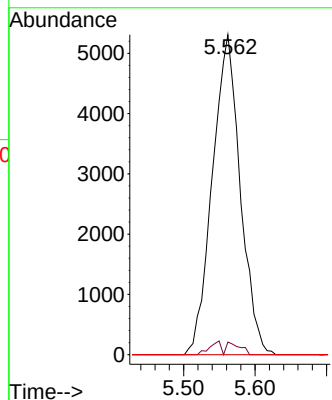


#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Instrument :
MSVOA_X
ClientSampled :

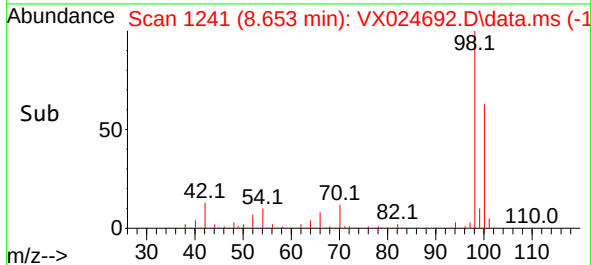
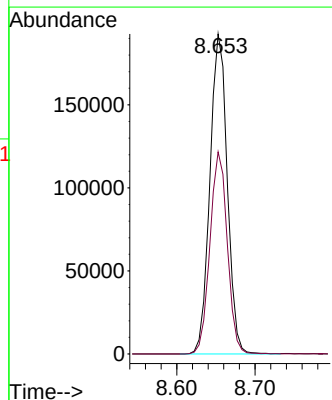
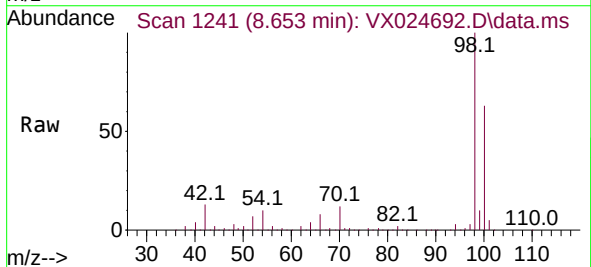


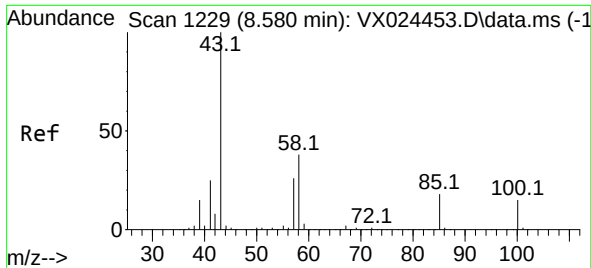
Tgt Ion:117 Resp: 14395
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.069 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 98 Resp: 295954
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

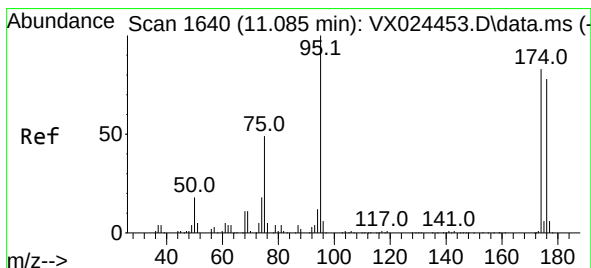
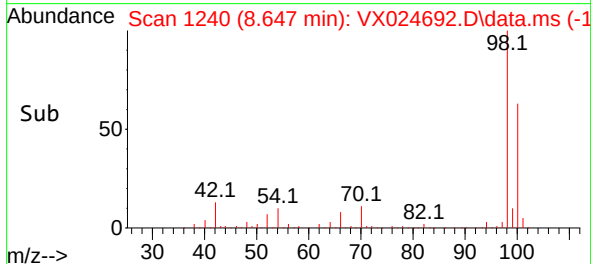
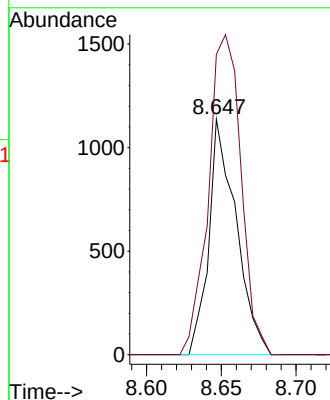
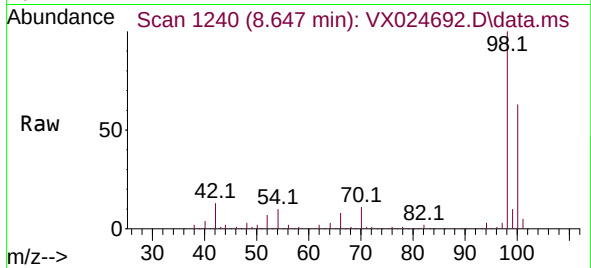




#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

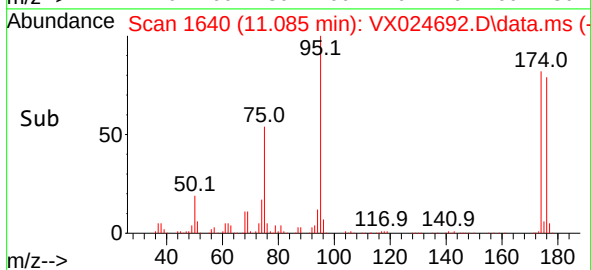
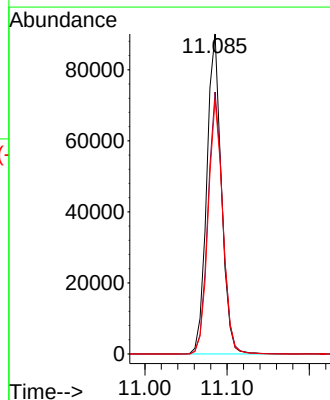
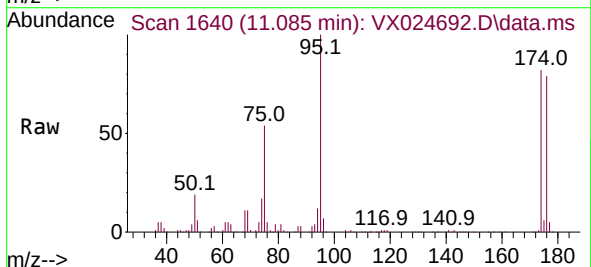
Instrument :
MSVOA_X
ClientSampled :

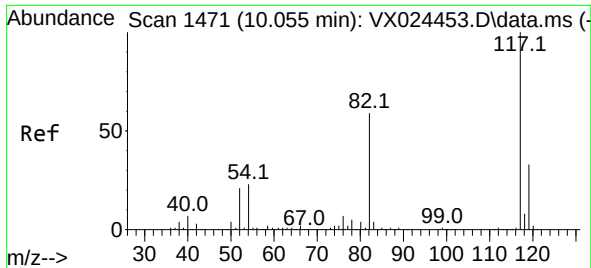
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 162.1 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 47.779 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 95 Resp: 111041
Ion Ratio Lower Upper
95 100
174 82.7 0.0 154.6
176 79.4 0.0 155.8

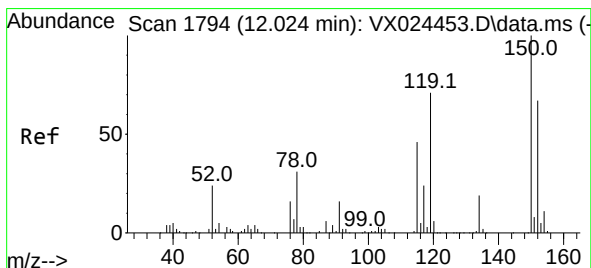
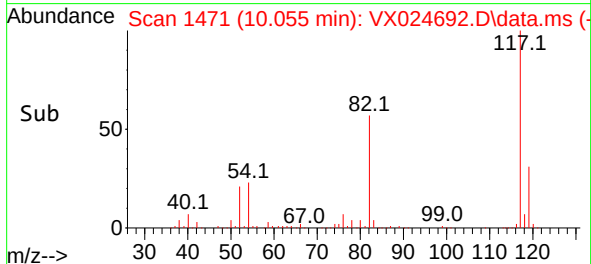
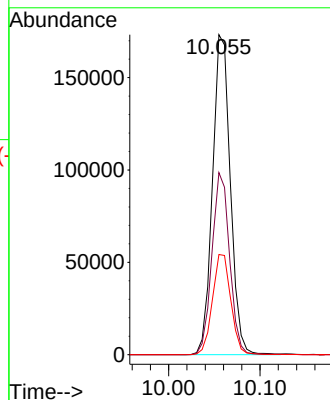
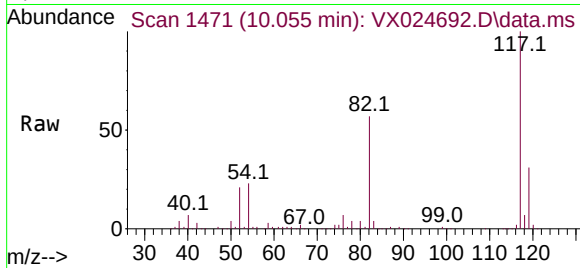




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

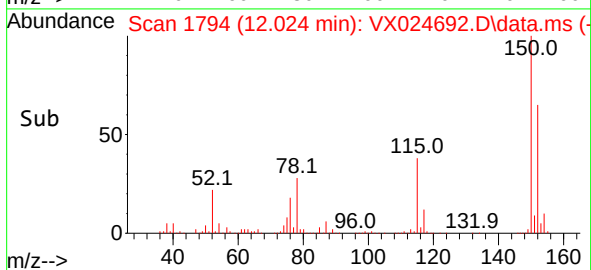
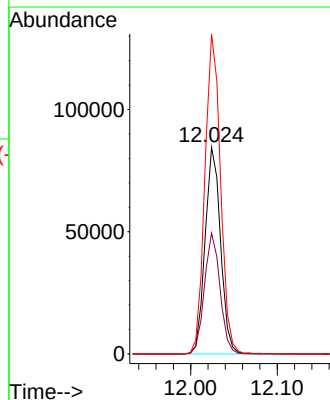
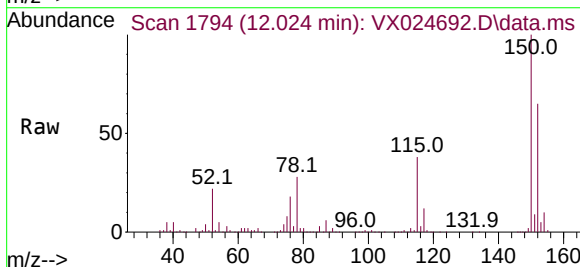
Instrument :
MSVOA_X
ClientSampleId :

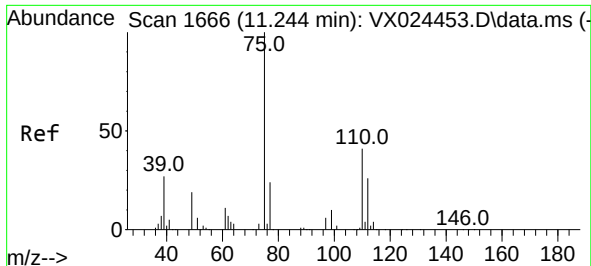
Tgt Ion:117 Resp: 234535
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion:152 Resp: 104644
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 156.7 0.0 349.0

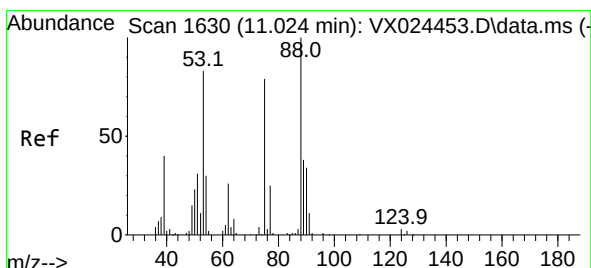
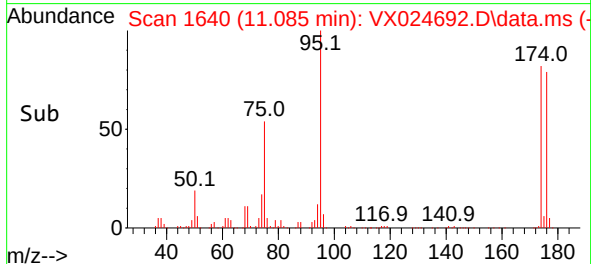
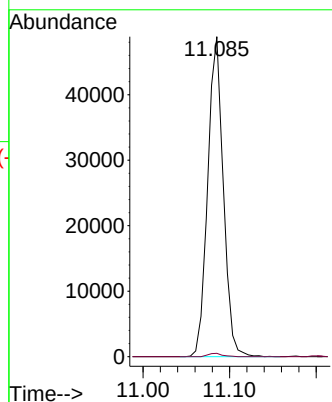
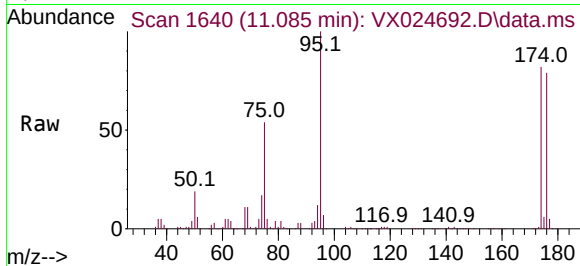




#76
1,2,3-Trichloropropane
Concen: 25.704 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 61084
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.040 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024692.D
Acq: 09 Oct 2021 00:59

Tgt Ion: 75 Resp: 61084
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

