

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023906.D
 Acq On : 23 Aug 2021 18:26
 Operator : JC/MD
 Sample : M3511-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 07:16:12 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)

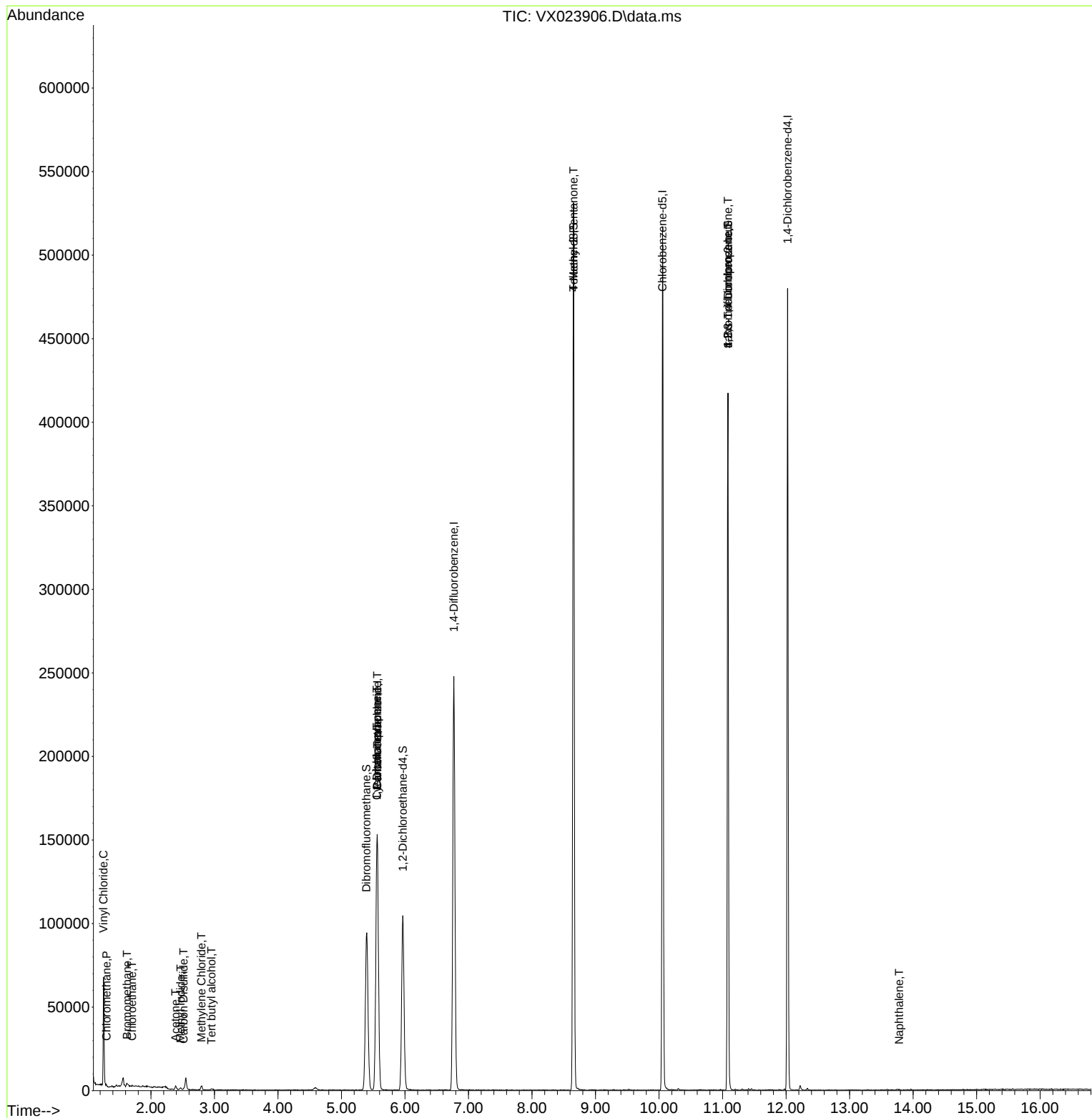
Internal Standards						
1) Pentafluorobenzene	5.562	168	143309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	245511	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102223	51.108	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.220%	
35) Dibromofluoromethane	5.391	113	81276	50.017	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	8.653	98	301399	48.733	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.460%	
62) 4-Bromofluorobenzene	11.085	95	104933	46.089	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	790	0.476	ug/l #	83
4) Vinyl Chloride	1.252	62	532	0.329	ug/l #	43
5) Bromomethane	1.624	94	1176	1.155	ug/l	96
6) Chloroethane	1.703	64	60	2.260	ug/l #	43
10) Methyl Iodide	2.465	142	1443	0.720	ug/l #	85
11) Tert butyl alcohol	2.953	59	314	0.776	ug/l #	73
16) Acetone	2.386	43	2672	2.988	ug/l	97
17) Carbon Disulfide	2.514	76	895	0.273	ug/l #	75
20) Methylene Chloride	2.794	84	960	0.562	ug/l #	92
31) Cyclohexane	5.556	56	3550	1.382	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	11083	4.875	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14325	6.042	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	1462	0.517	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	55451	25.381	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55451	74.660	ug/l #	12
95) Naphthalene	13.780	128	368	1.335	ug/l #	95

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

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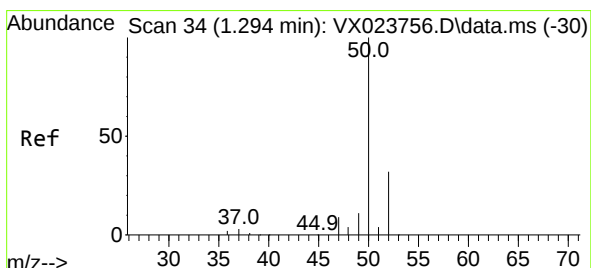
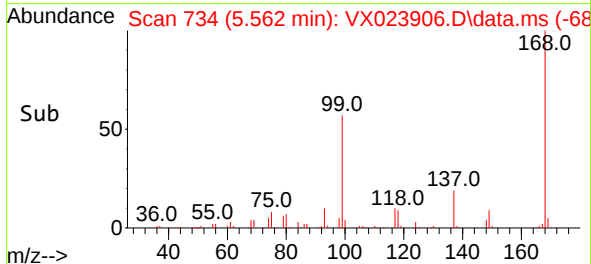
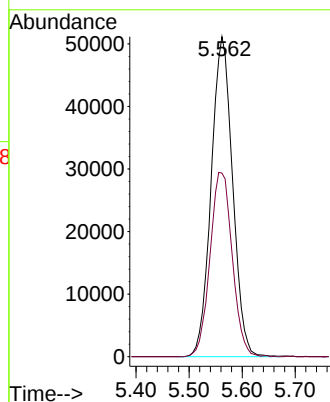
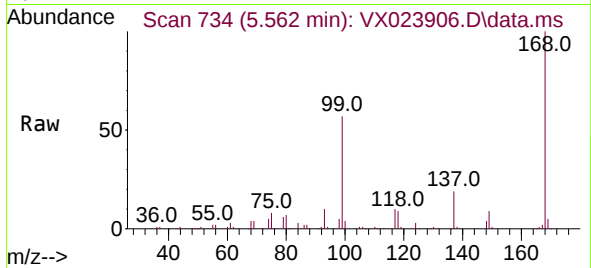




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

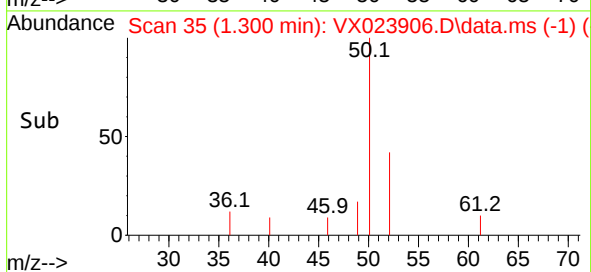
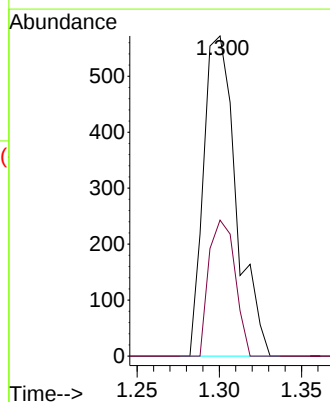
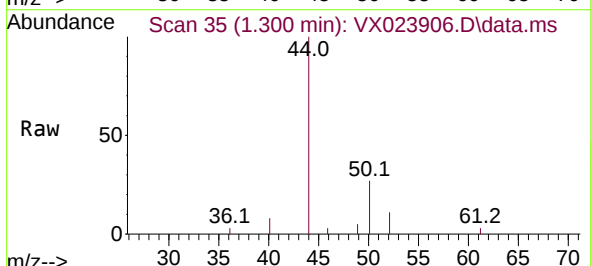
Instrument :
MSVOA_X
ClientSampled :

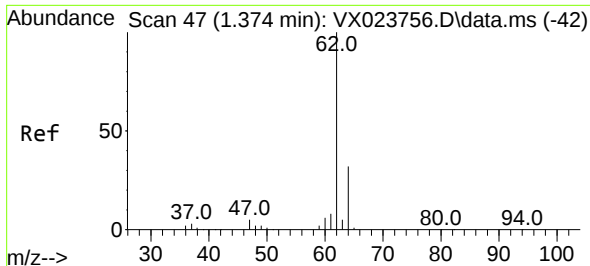
Tgt Ion:168 Resp: 143309
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#3
Chloromethane
Concen: 0.476 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion: 50 Resp: 790
Ion Ratio Lower Upper
50 100
52 42.5 26.4 39.6#

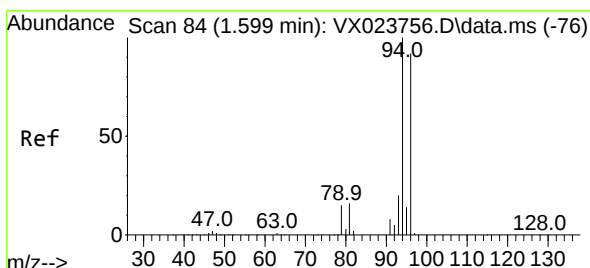
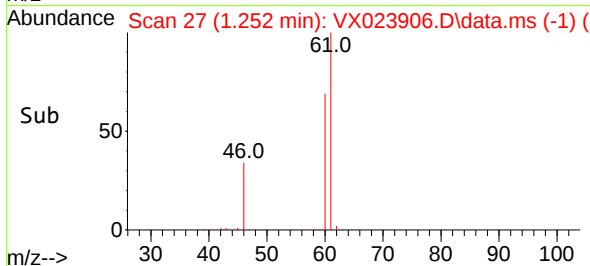
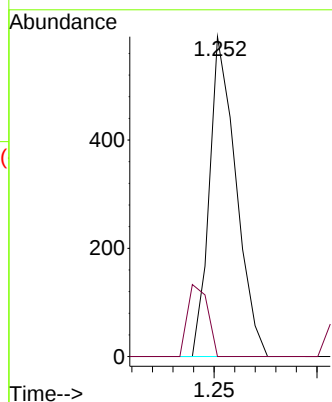
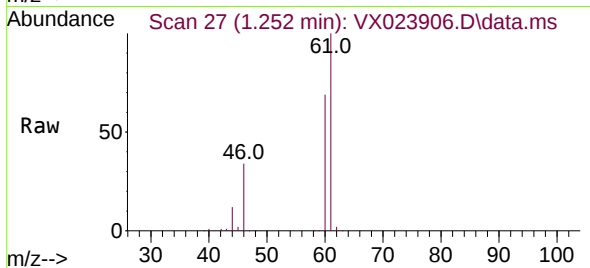




#4
 Vinyl Chloride
 Concen: 0.329 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023906.D
 Acq: 23 Aug 2021 18:26

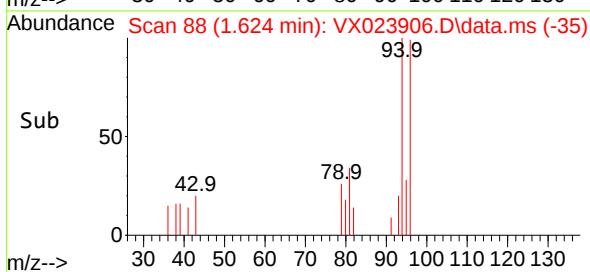
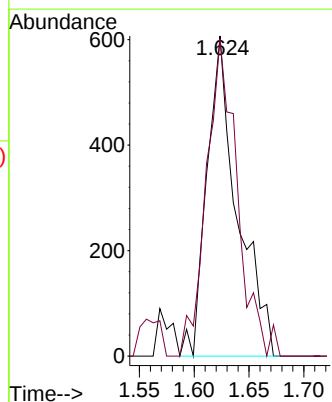
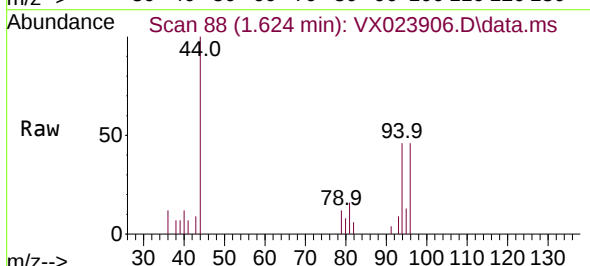
Instrument :
 MSVOA_X
 ClientSampled :

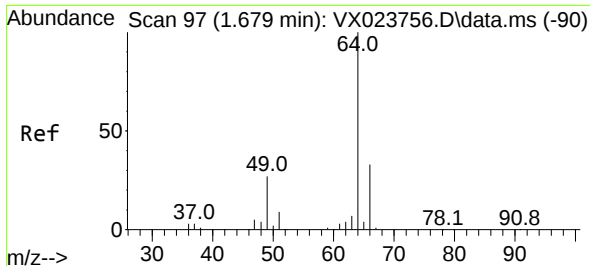
Tgt Ion: 62 Resp: 532
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 1.155 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.025 min
 Lab File: VX023906.D
 Acq: 23 Aug 2021 18:26

Tgt Ion: 94 Resp: 1176
 Ion Ratio Lower Upper
 94 100
 96 99.2 76.4 114.6

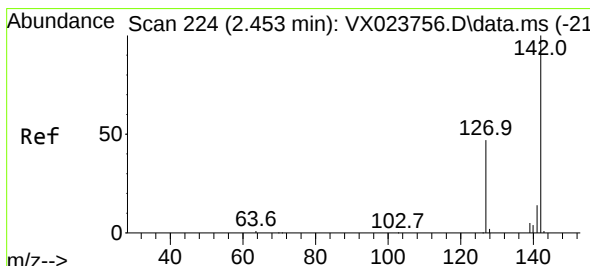
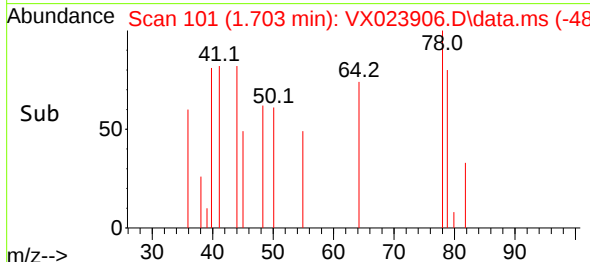
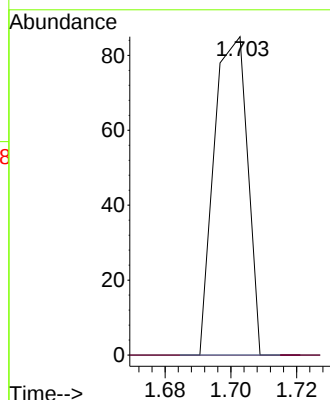
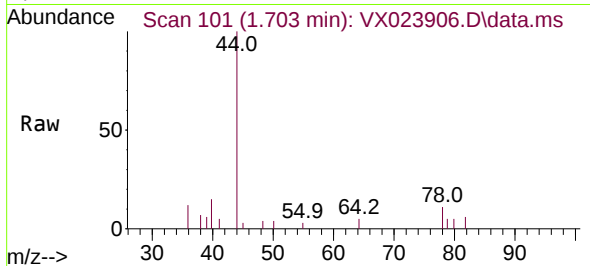




#6
Chloroethane
Concen: 2.260 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.024 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

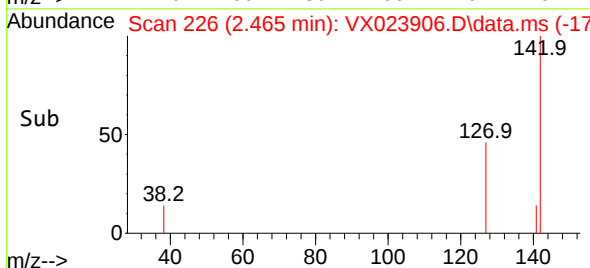
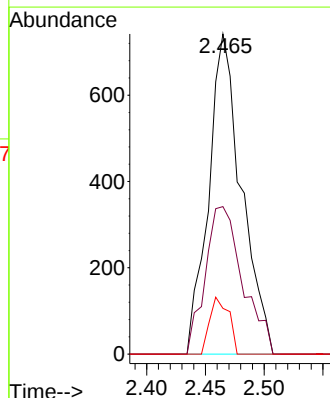
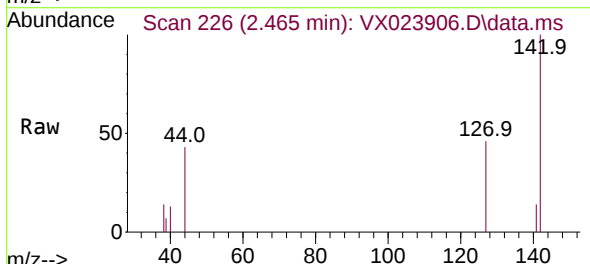
Instrument :
MSVOA_X
ClientSampled :

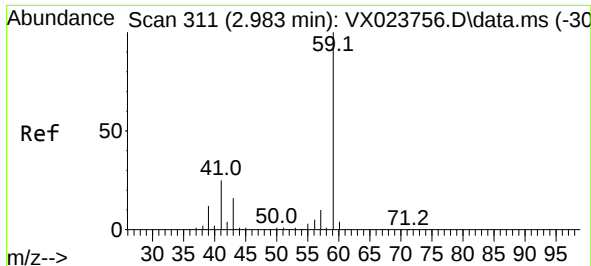
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.720 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion: 142 Resp: 1443
Ion Ratio Lower Upper
142 100
127 52.6 33.3 49.9#
141 10.3 11.4 17.0#



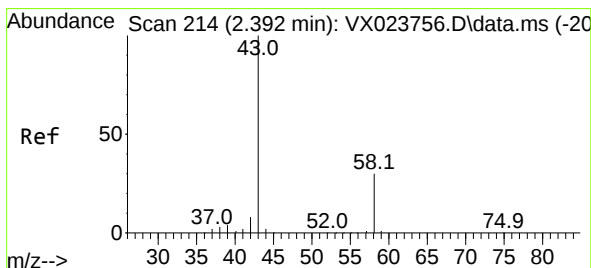
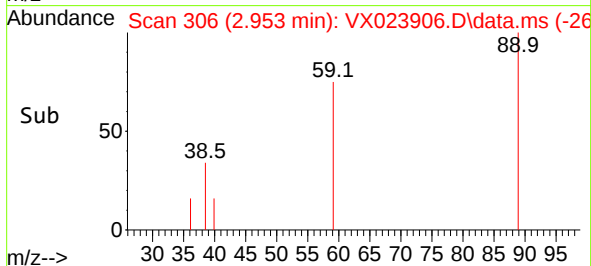
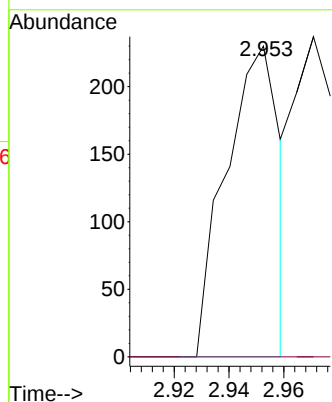
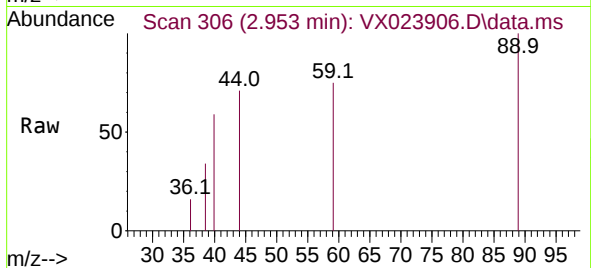


#11

Tert butyl alcohol
Concen: 0.776 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Instrument :
MSVOA_X
ClientSampled :

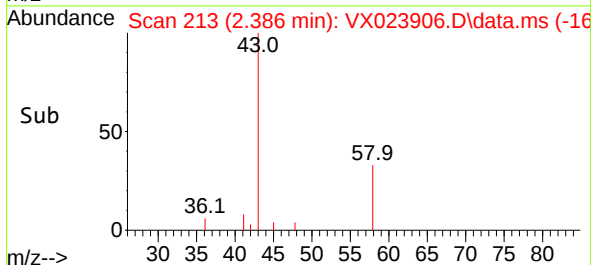
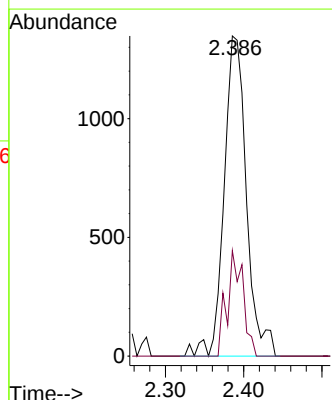
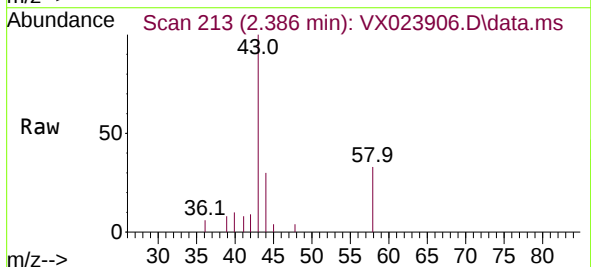
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

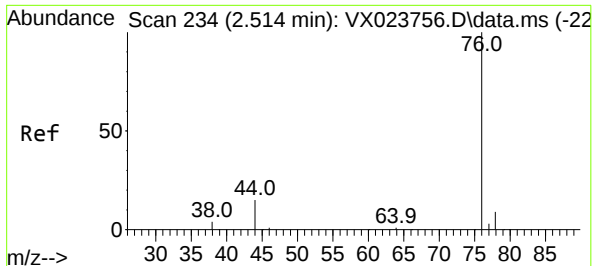


#16

Acetone
Concen: 2.988 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

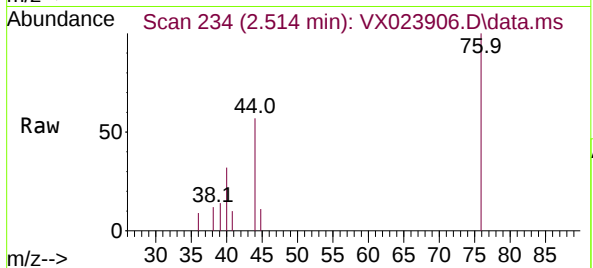
Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
58 32.9 27.8 41.8



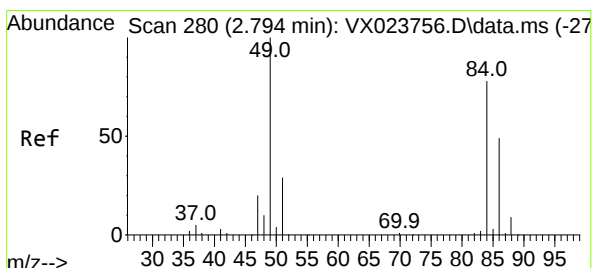
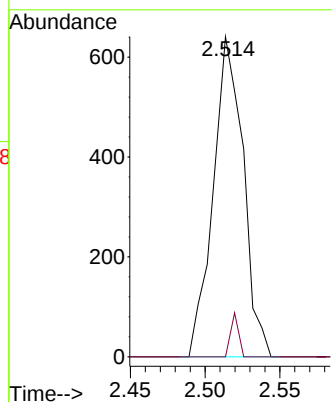
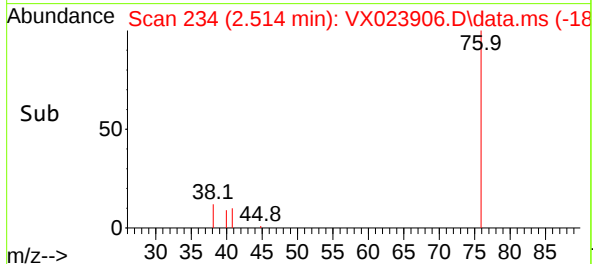


#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

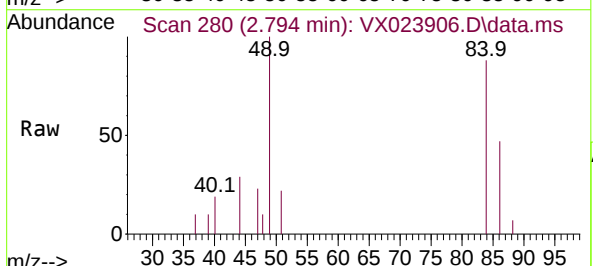
Instrument :
MSVOA_X
ClientSampled :



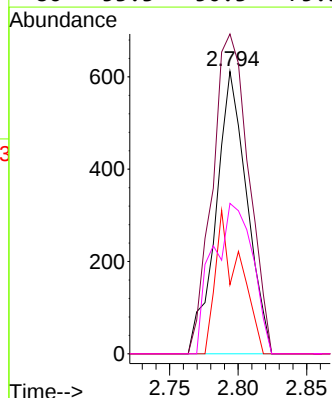
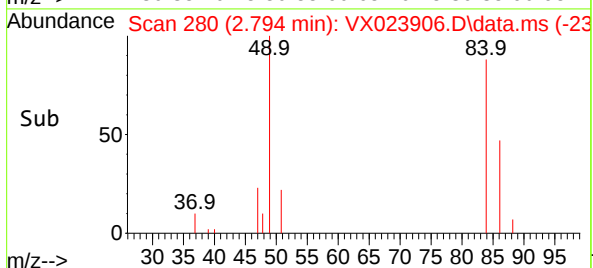
Tgt Ion: 76 Resp: 895
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

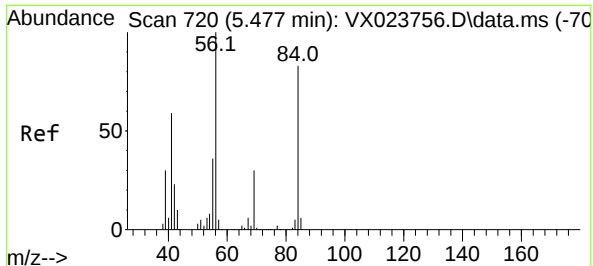


#20
Methylene Chloride
Concen: 0.562 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26



Tgt Ion: 84 Resp: 960
Ion Ratio Lower Upper
84 100
49 113.2 88.6 132.8
51 24.5 27.0 40.6#
86 53.3 50.3 75.5

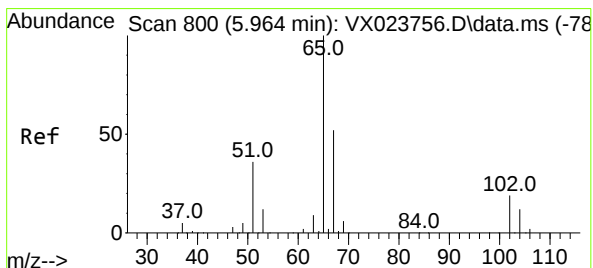
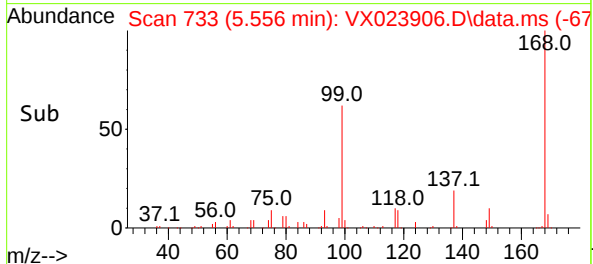
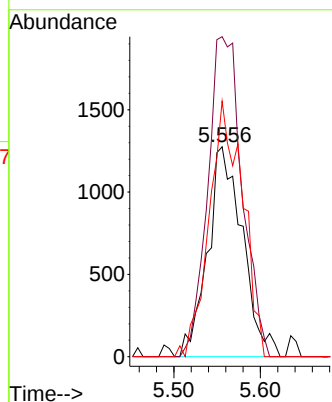
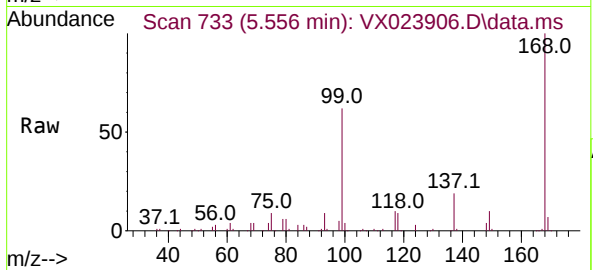




#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

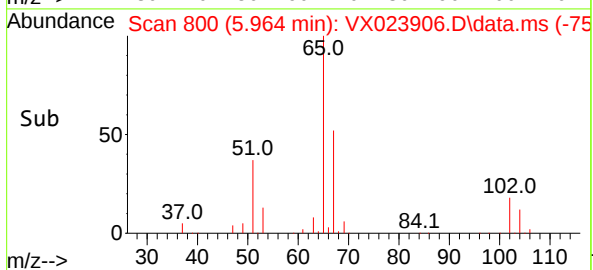
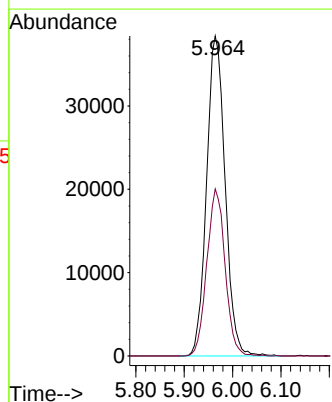
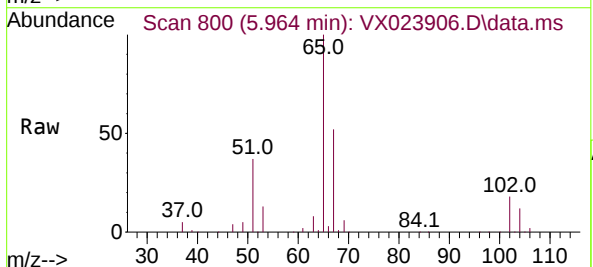
Instrument :
MSVOA_X
ClientSampled :

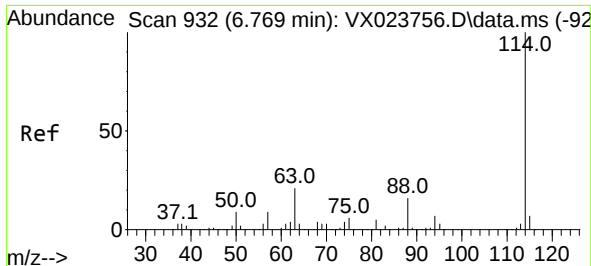
Tgt Ion: 56 Resp: 3550
Ion Ratio Lower Upper
56 100
69 152.5 25.3 37.9#
84 121.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.108 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion: 65 Resp: 102223
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

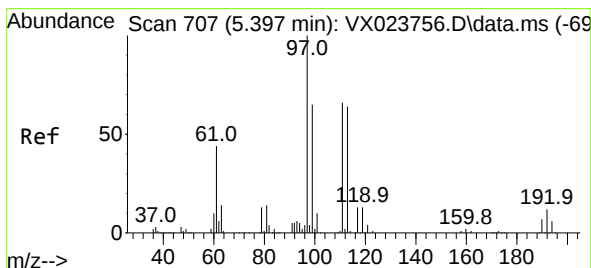
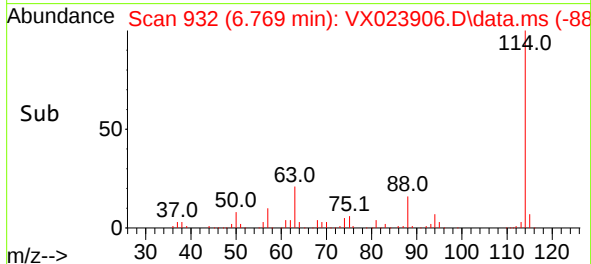
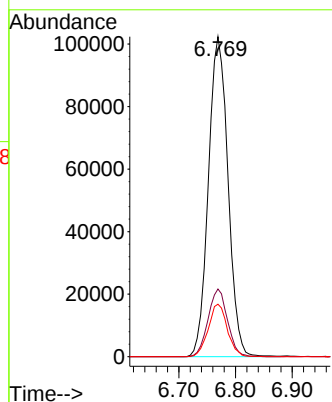
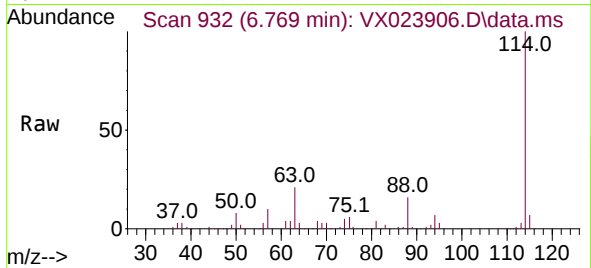




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

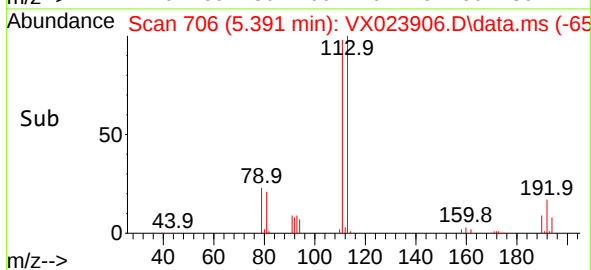
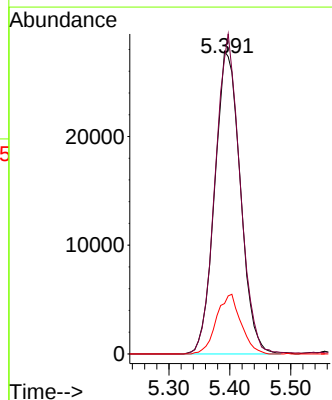
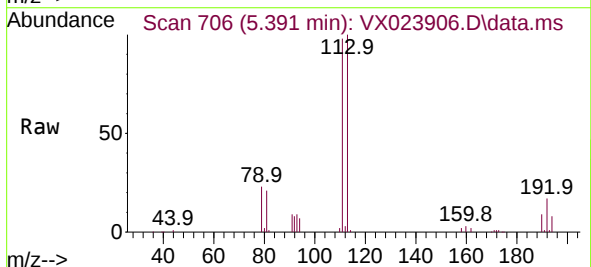
Instrument :
MSVOA_X
ClientSampled :

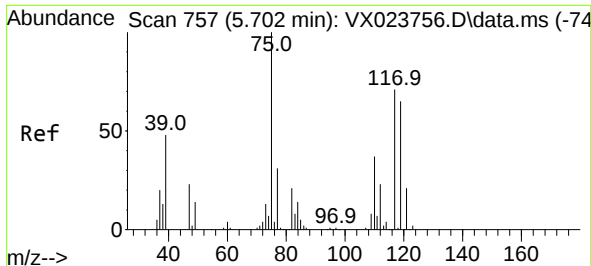
Tgt Ion:114 Resp: 245511
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.017 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion:113 Resp: 81276
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 18.9 16.7 25.1

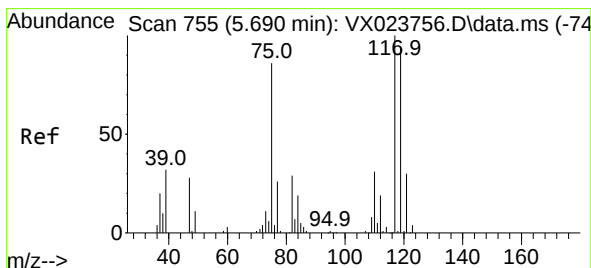
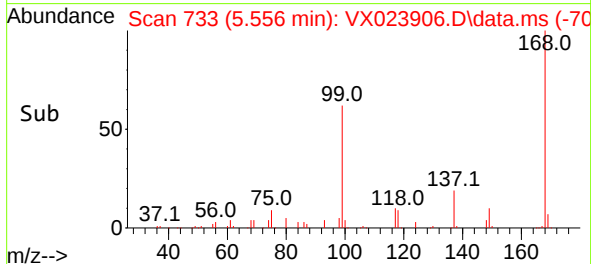
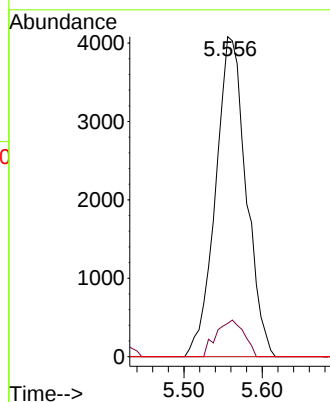
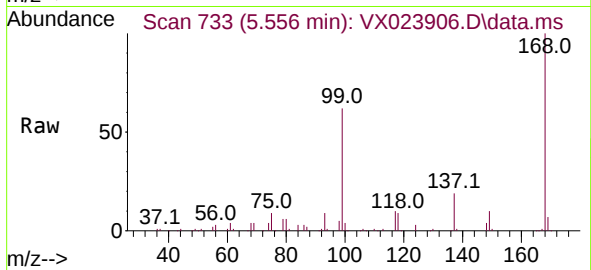




#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

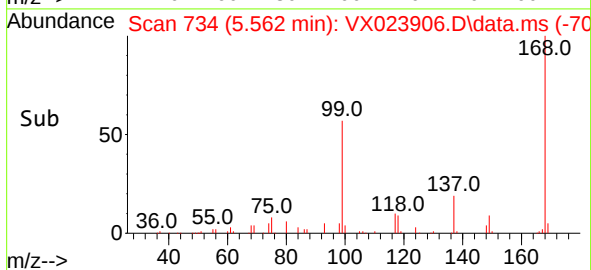
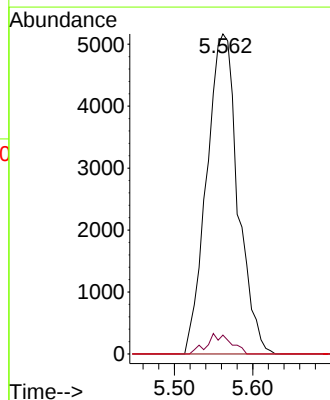
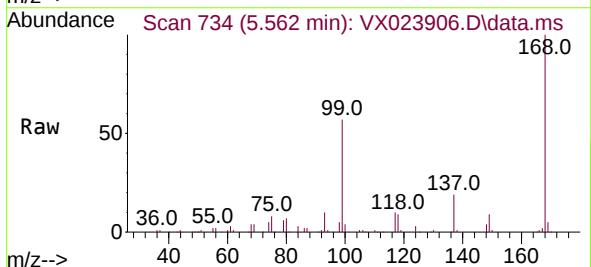
Instrument :
MSVOA_X
ClientSampled :

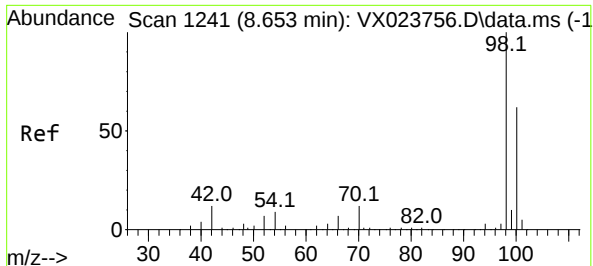
Tgt Ion: 75 Resp: 11083
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.042 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion: 117 Resp: 14325
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#

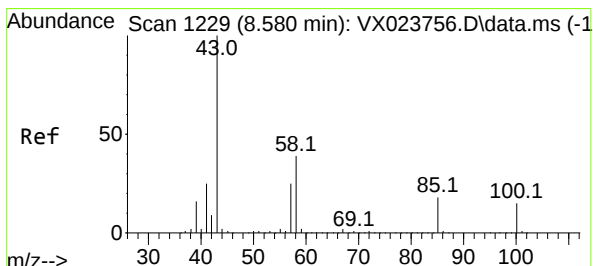
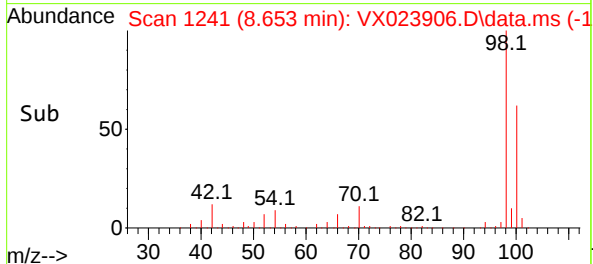
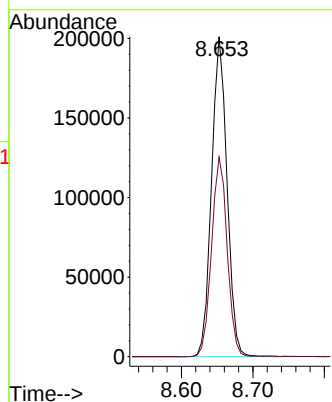
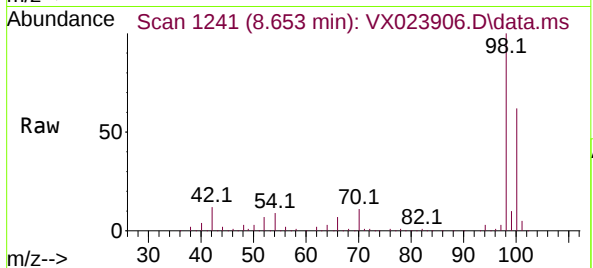




#50
Toluene-d8
Concen: 48.733 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

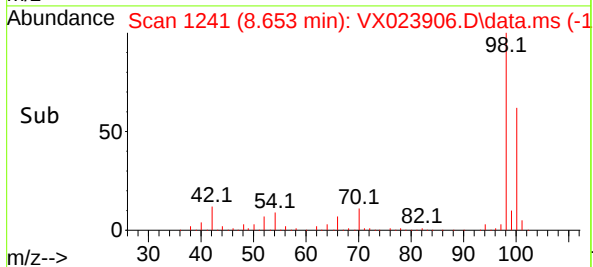
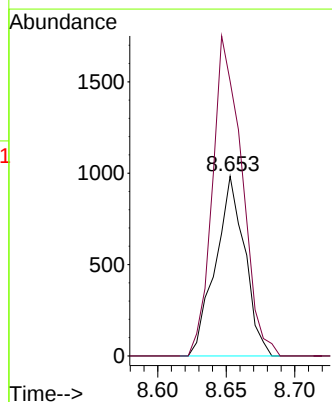
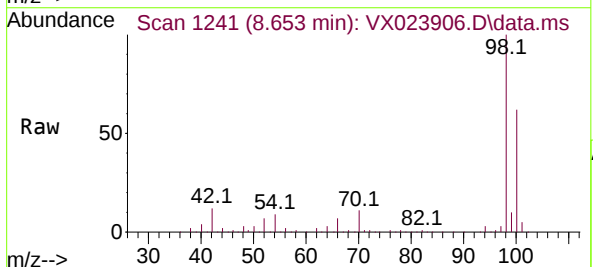
Instrument :
MSVOA_X
ClientSampled :

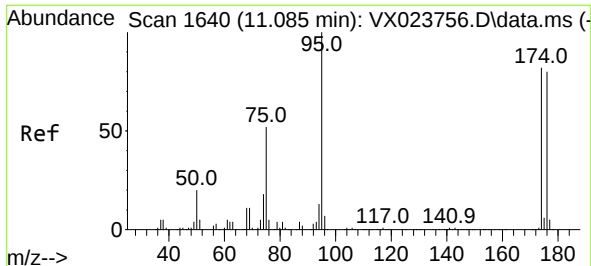
Tgt Ion: 98 Resp: 301399
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.517 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 178.5 35.4 53.0#

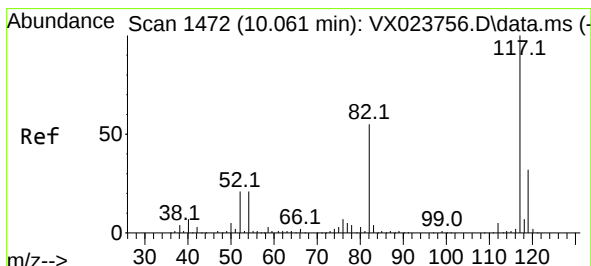
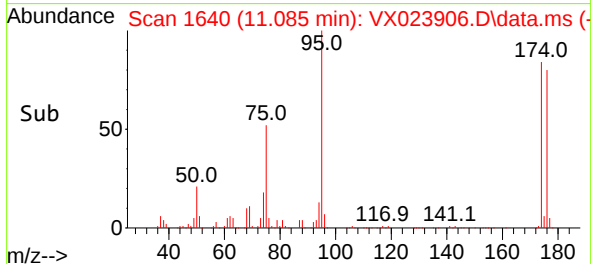
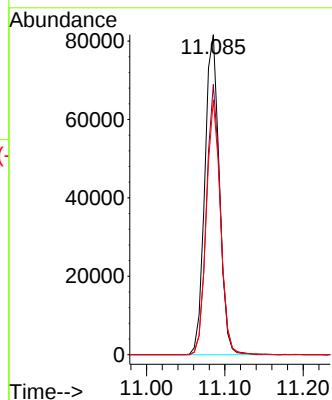
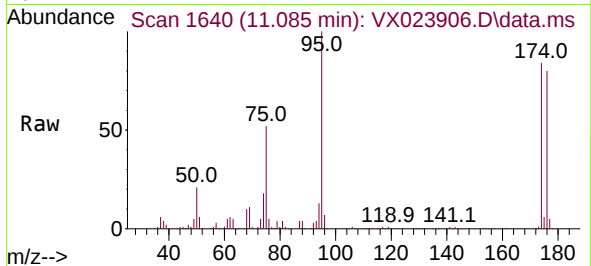




#62
4-Bromofluorobenzene
Concen: 46.089 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

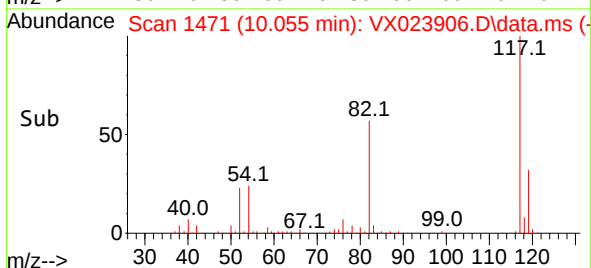
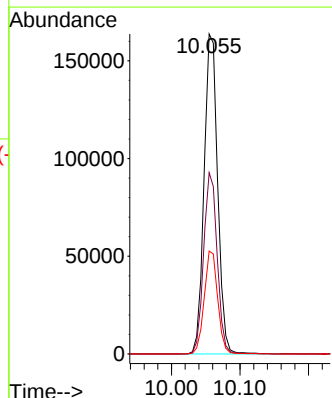
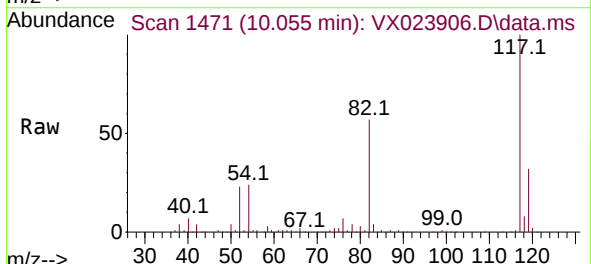
Instrument :
MSVOA_X
ClientSampled :

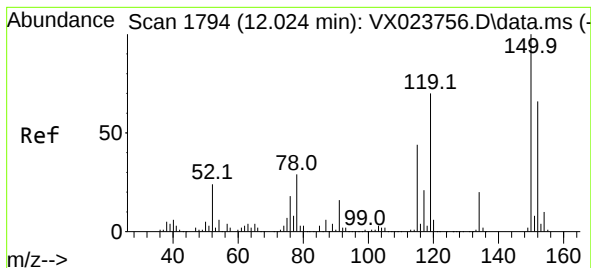
Tgt Ion: 95 Resp: 104933
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion: 117 Resp: 226059
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.2 26.6 39.8

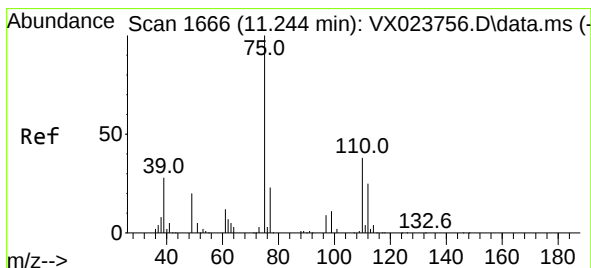
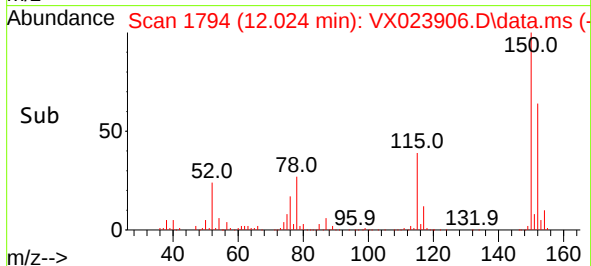
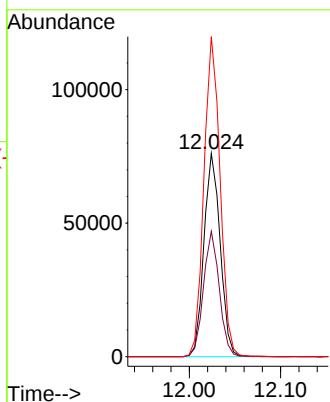
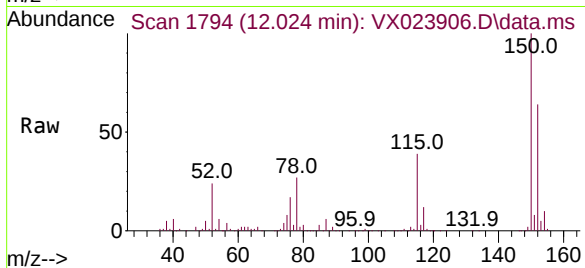




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023906.D
 Acq: 23 Aug 2021 18:26

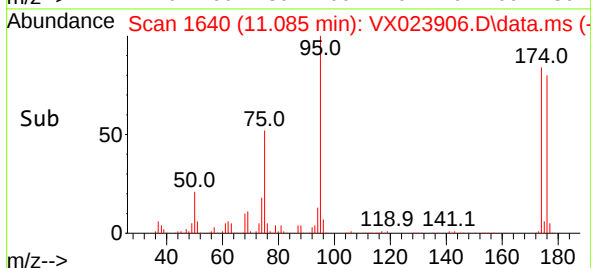
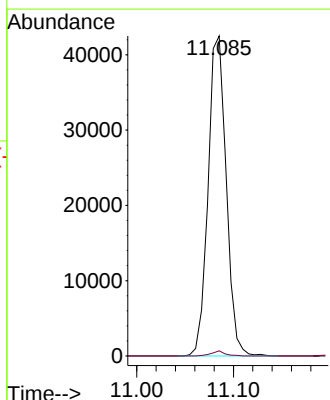
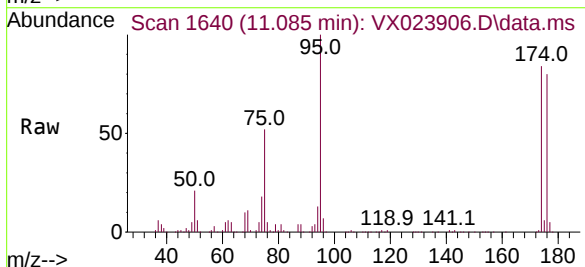
Instrument :
 MSVOA_X
 ClientSampled :

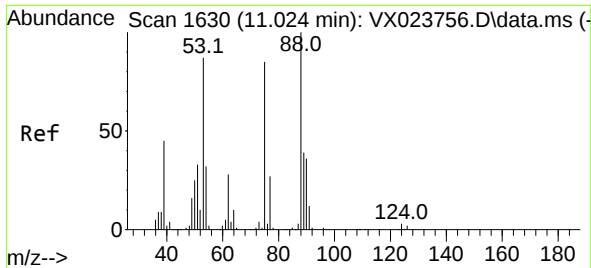
Tgt Ion:152 Resp: 93655
 Ion Ratio Lower Upper
 152 100
 115 60.1 41.1 123.3
 150 156.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.381 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023906.D
 Acq: 23 Aug 2021 18:26

Tgt Ion: 75 Resp: 55451
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

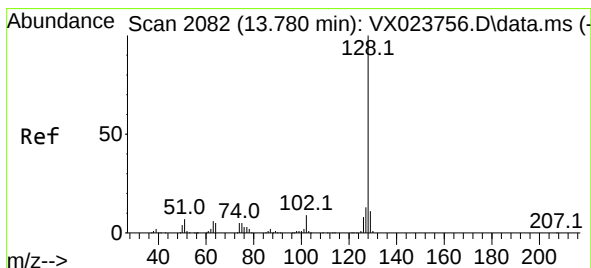
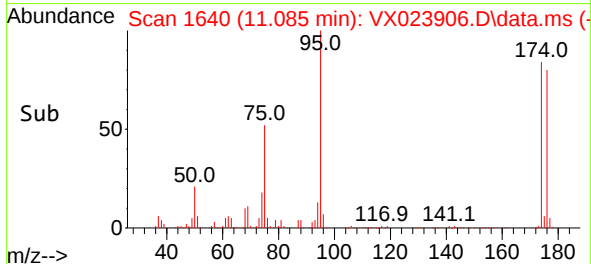
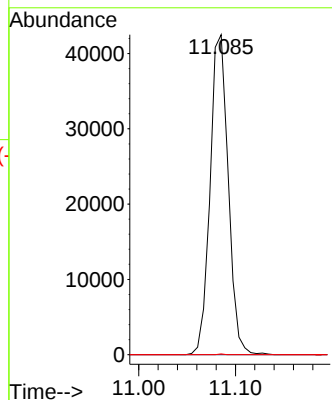
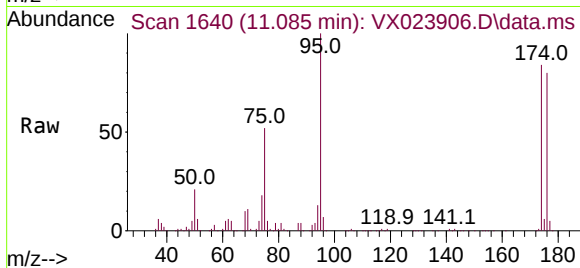




#81
trans-1,4-Dichloro-2-butene
Concen: 74.660 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 55451
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.335 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023906.D
Acq: 23 Aug 2021 18:26

Tgt Ion:128 Resp: 368
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 7.9 8.8 13.2#

