

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072321\
 Data File : VX023426.D
 Acq On : 23 Jul 2021 16:12
 Operator : JC/MD
 Sample : M3146-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 03:45:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

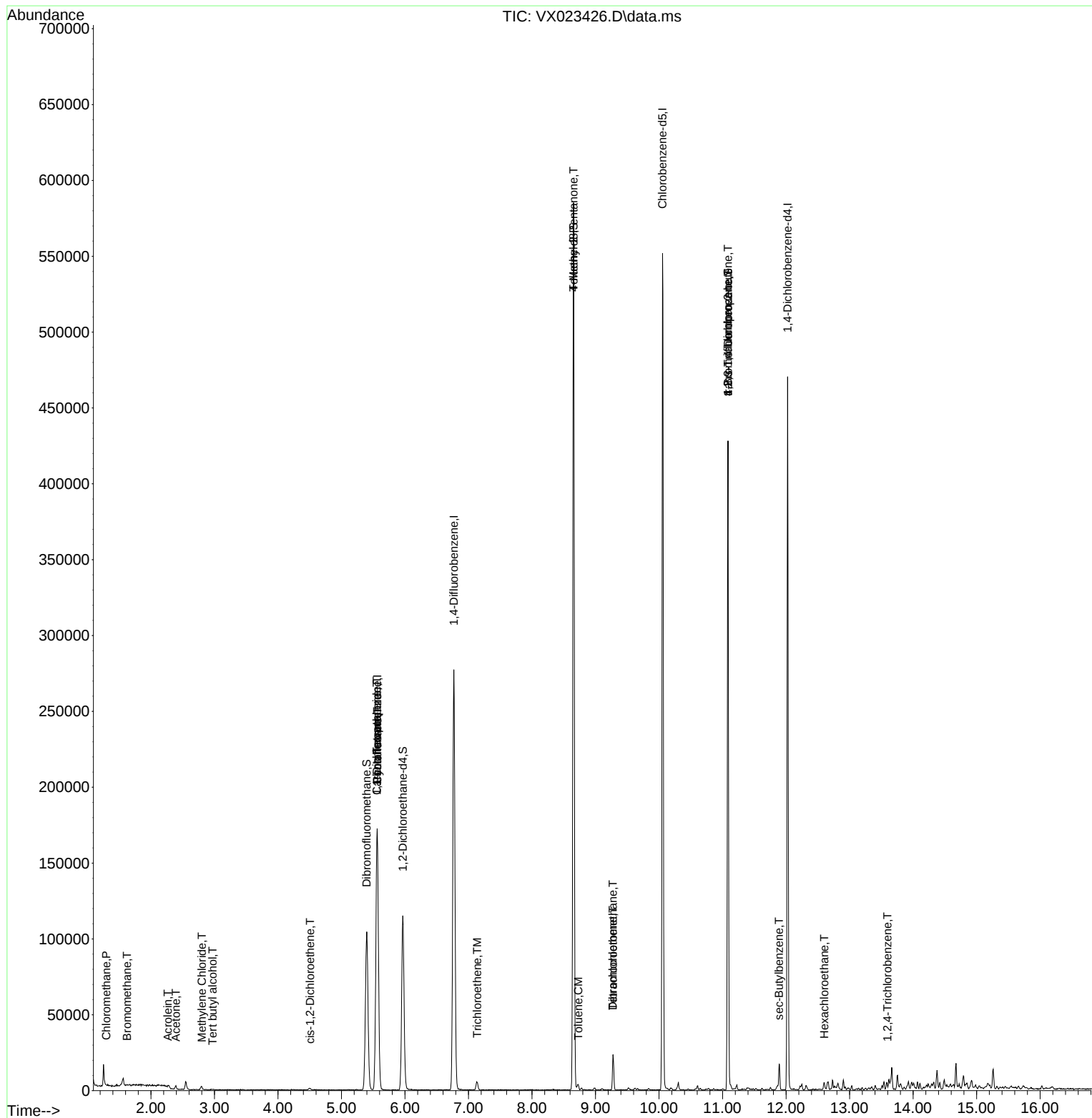
Internal Standards						
1) Pentafluorobenzene	5.562	168	167271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	282252	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107631	51.583	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.160%	
35) Dibromofluoromethane	5.397	113	89091	50.483	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.960%	
50) Toluene-d8	8.653	98	340894	52.576	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.160%	
62) 4-Bromofluorobenzene	11.085	95	106083	48.116	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	401	0.224	ug/l #	83
5) Bromomethane	1.624	94	451	0.419	ug/l #	79
11) Tert butyl alcohol	2.971	59	186	0.390	ug/l #	73
13) Acrolein	2.264	56	25	1.466	ug/l #	1
16) Acetone	2.392	43	2283	2.230	ug/l #	81
20) Methylene Chloride	2.800	84	1158	0.582	ug/l #	81
27) cis-1,2-Dichloroethene	4.507	96	764	0.377	ug/l	88
31) Cyclohexane	5.562	56	3701	1.197	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	12581	4.927	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16759	6.454	ug/l #	17
44) Trichloroethene	7.135	130	2304	1.108	ug/l	86
51) 4-Methyl-2-Pentanone	8.653	43	1759	0.576	ug/l #	1
52) Toluene	8.726	92	1300	0.277	ug/l	94
60) Dibromochloromethane	9.275	129	3969	3.794	ug/l #	11
64) Tetrachloroethene	9.275	164	4335	2.196	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	53798	26.164	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53798	70.352	ug/l #	12
85) sec-Butylbenzene	11.890	105	9273	1.270	ug/l	96
90) Hexachloroethane	12.603	117	100	1.990	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.597	180	493	0.258	ug/l #	1

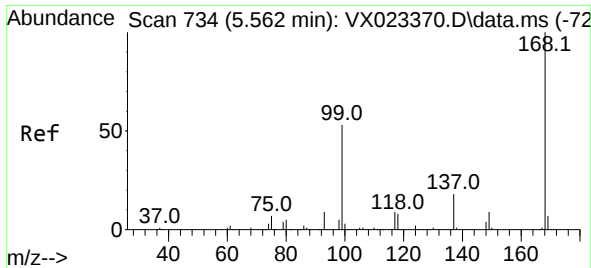
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

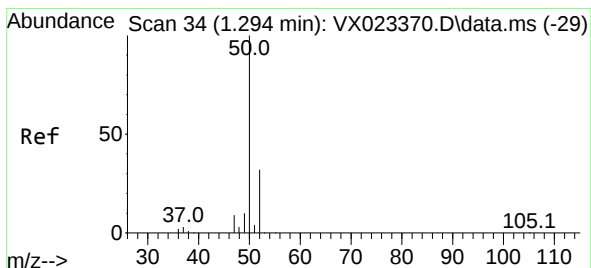
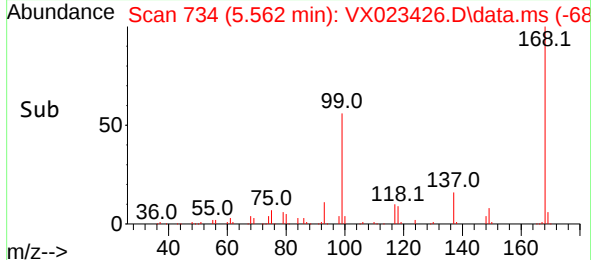
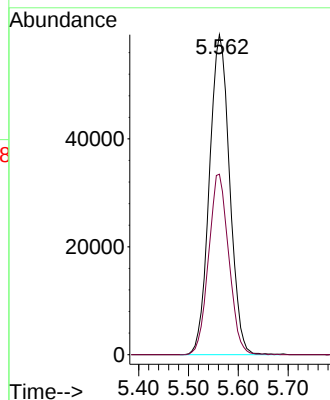
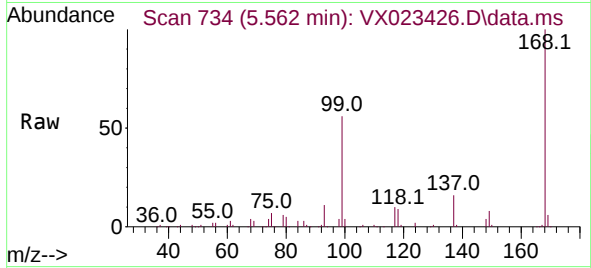




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

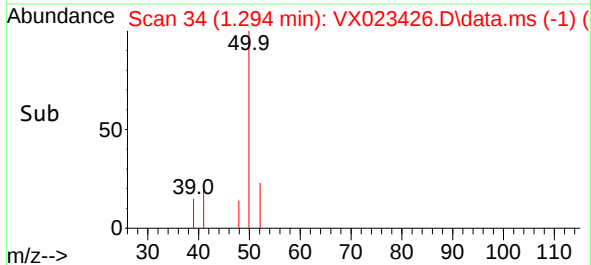
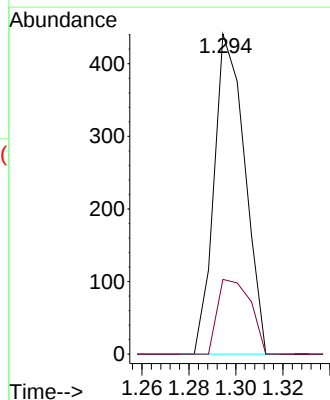
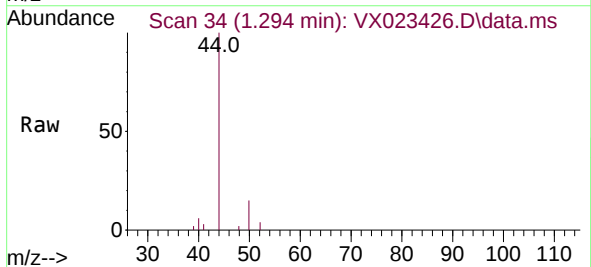
Instrument :
MSVOA_X
ClientSampleId :

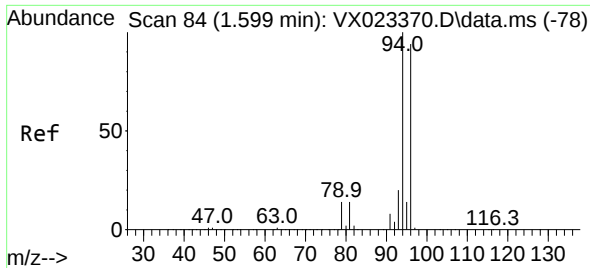
Tgt Ion:168 Resp: 167271
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 23.4 26.4 39.6#

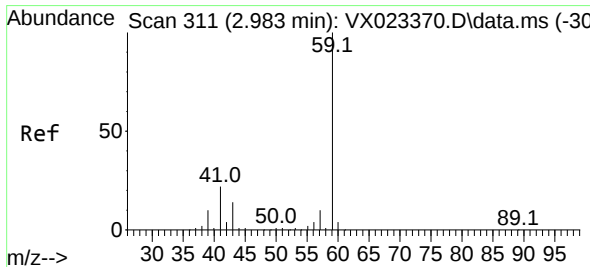
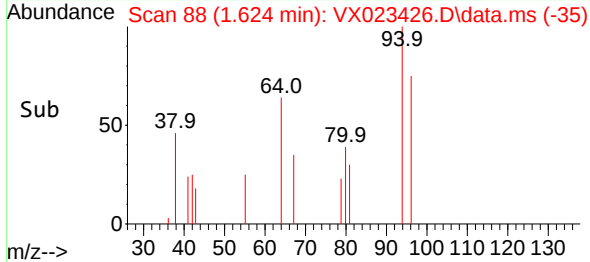
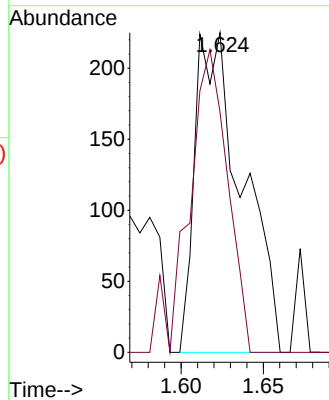
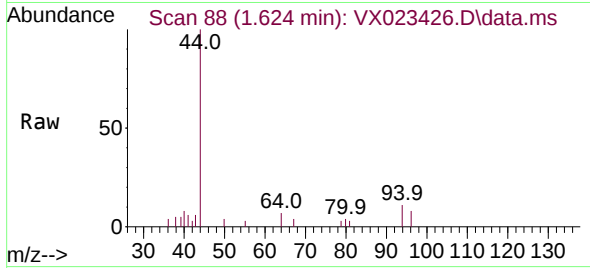




#5
Bromomethane
Concen: 0.419 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

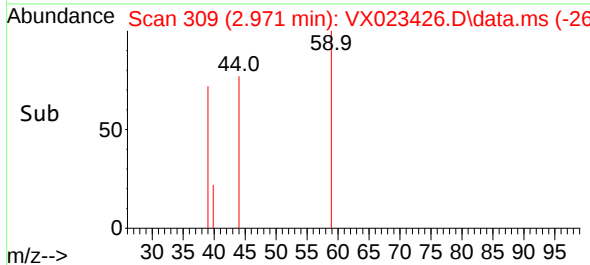
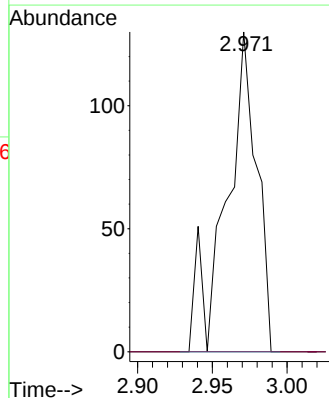
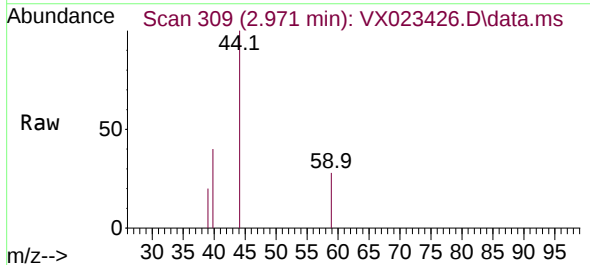
Instrument :
MSVOA_X
ClientSampleId :

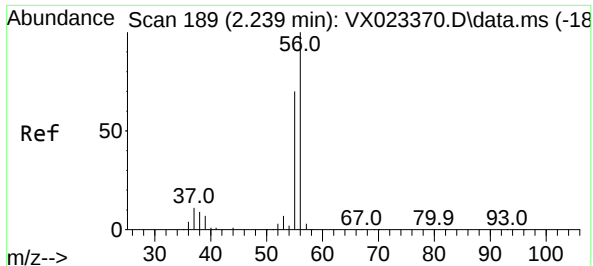
Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 75.1 76.4 114.6#



#11
Tert butyl alcohol
Concen: 0.390 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

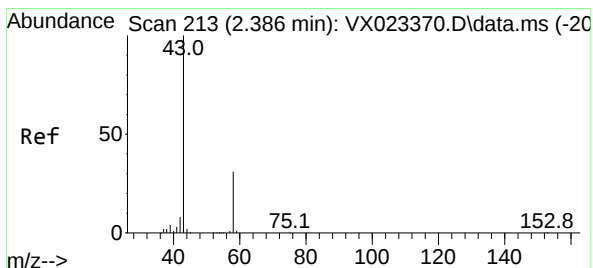
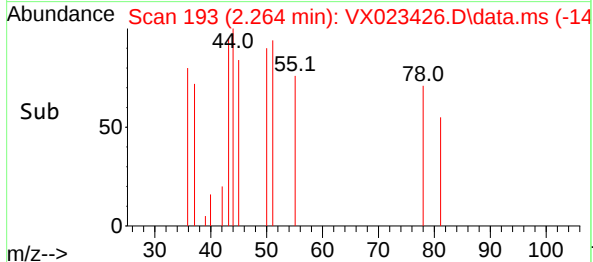
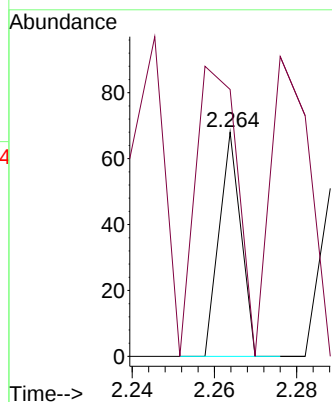
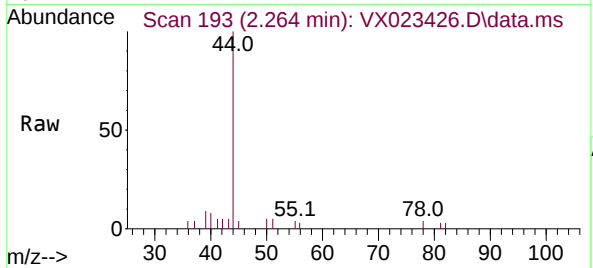




#13
Acrolein
Concen: 1.466 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.025 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

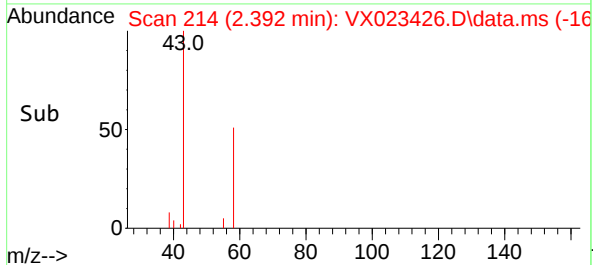
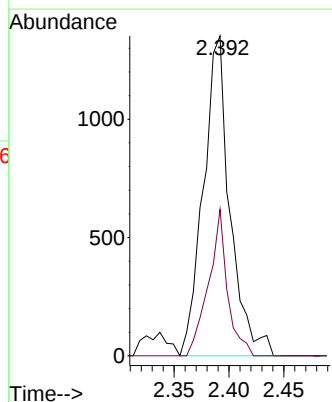
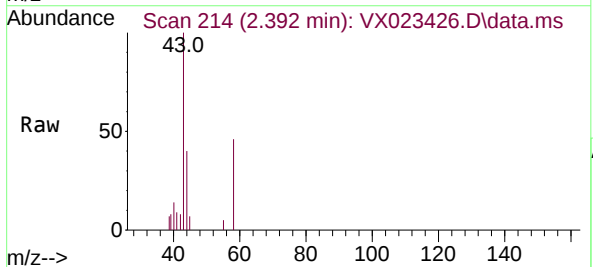
Instrument :
MSVOA_X
ClientSampled :

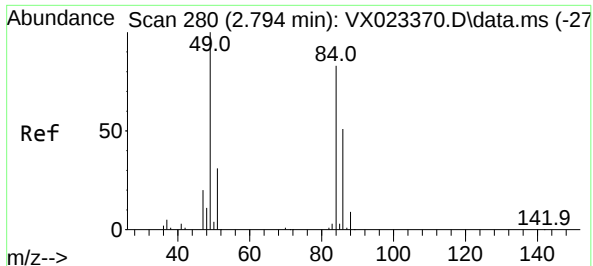
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 248.0 56.4 84.6#



#16
Acetone
Concen: 2.230 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

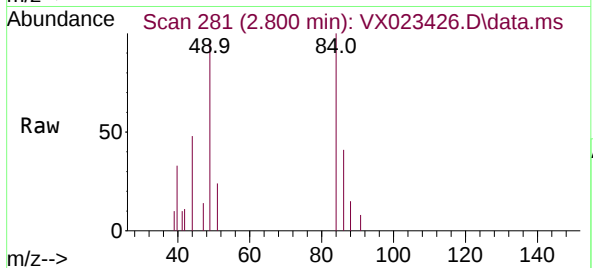
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 45.8 27.8 41.8#



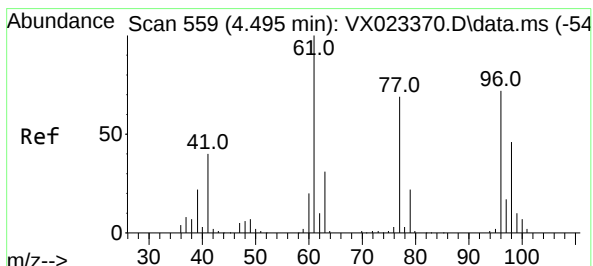
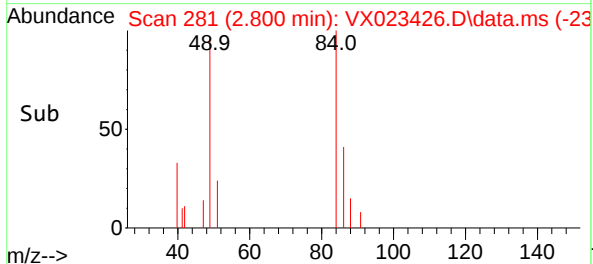
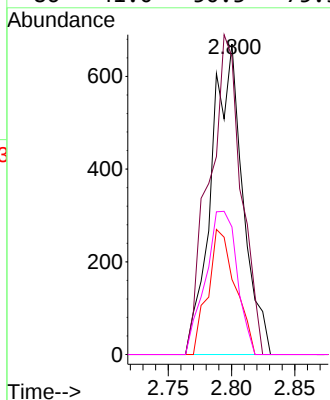


#20
Methylene Chloride
Concen: 0.582 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Instrument :
MSVOA_X
ClientSampled :

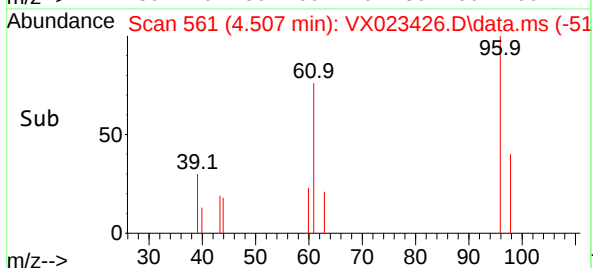
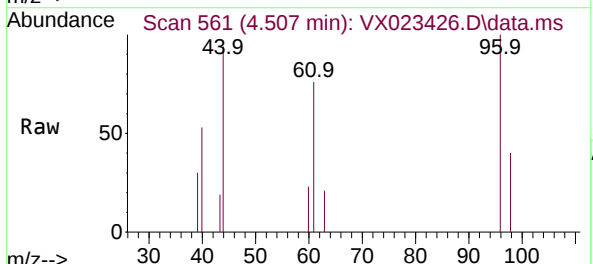
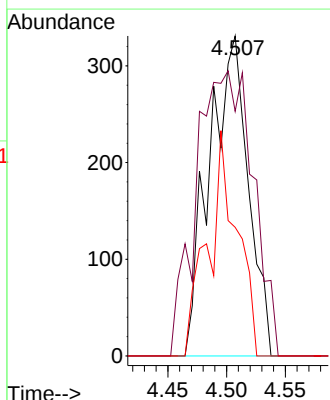


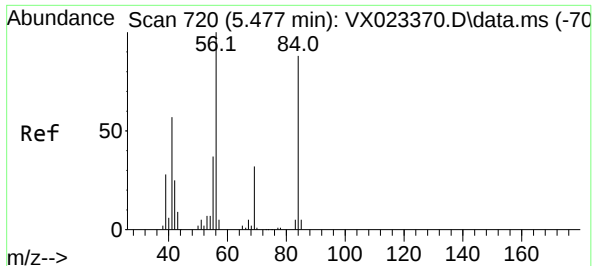
Tgt Ion: 84 Resp: 1158
Ion Ratio Lower Upper
84 100
49 95.8 88.6 132.8
51 24.2 27.0 40.6#
86 41.0 50.3 75.5#



#27
cis-1,2-Dichloroethene
Concen: 0.377 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.012 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

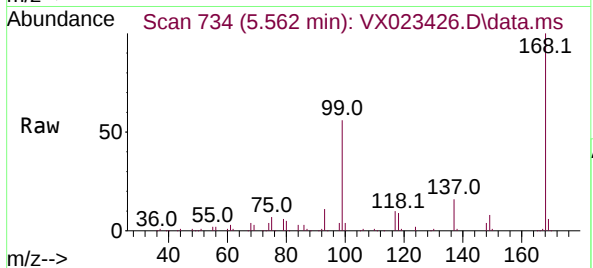
Tgt Ion: 96 Resp: 764
Ion Ratio Lower Upper
96 100
61 129.5 0.0 285.6
98 52.2 0.0 129.6



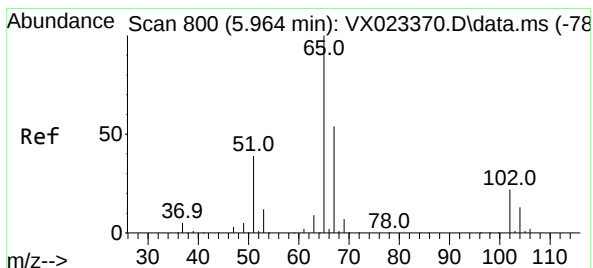
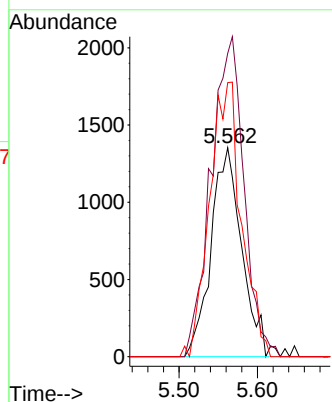
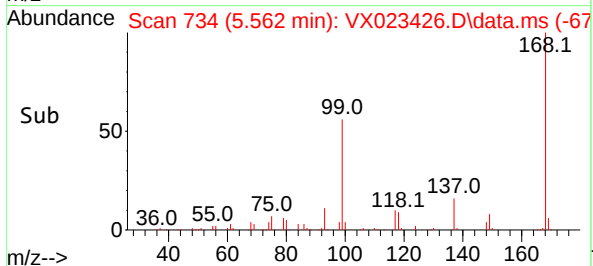


#31
Cyclohexane
Concen: 1.197 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

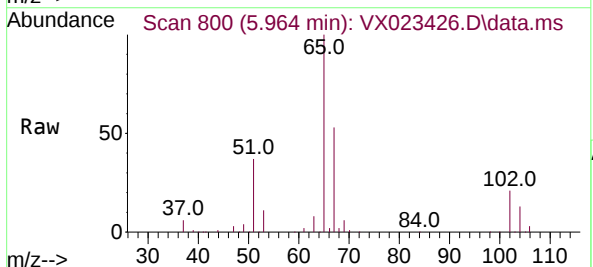
Instrument :
MSVOA_X
ClientSampled :



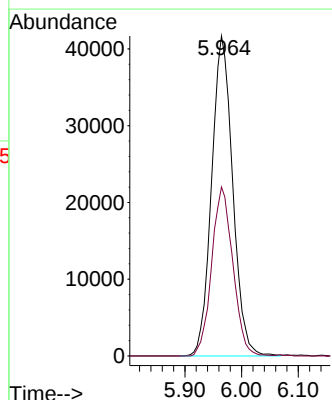
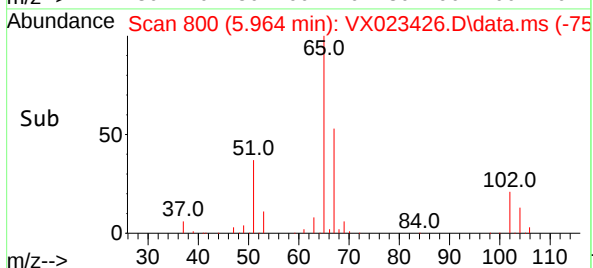
Tgt Ion: 56 Resp: 3701
Ion Ratio Lower Upper
56 100
69 145.2 25.3 37.9#
84 131.2 71.4 107.0#

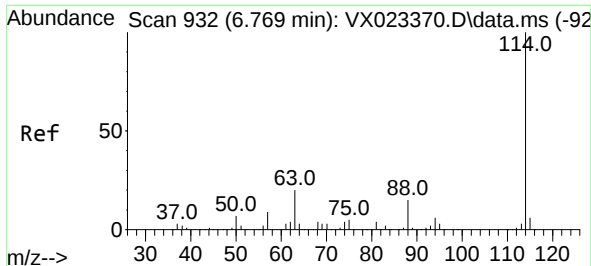


#33
1,2-Dichloroethane-d4
Concen: 51.583 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12



Tgt Ion: 65 Resp: 107631
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4

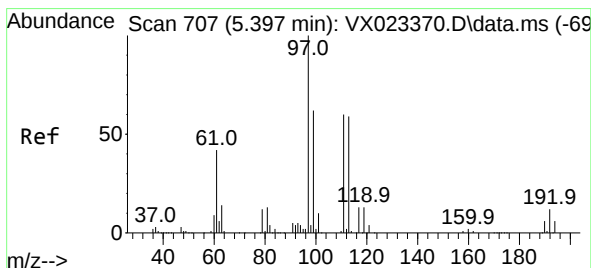
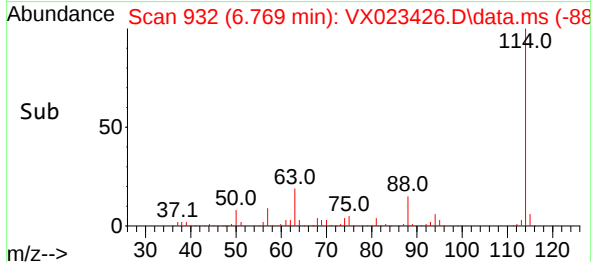
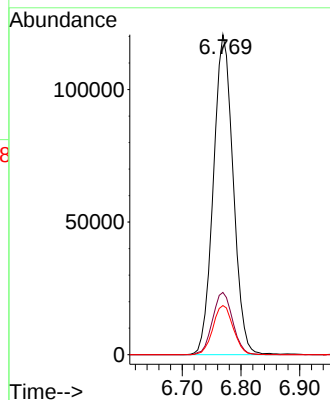
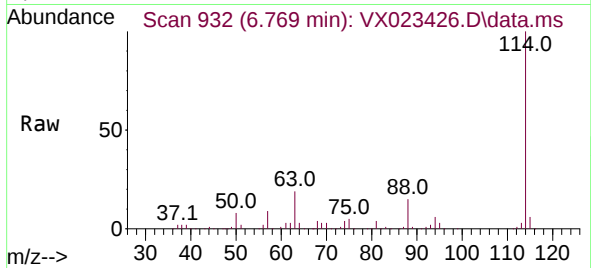




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

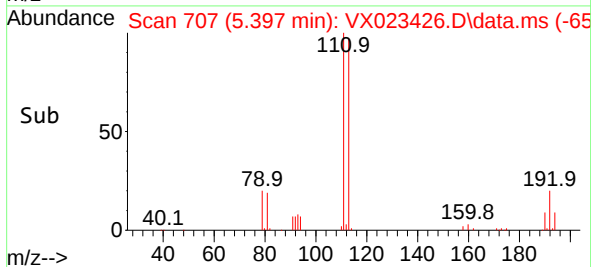
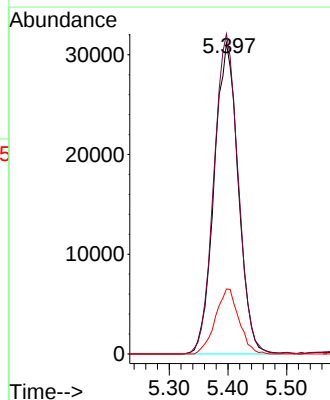
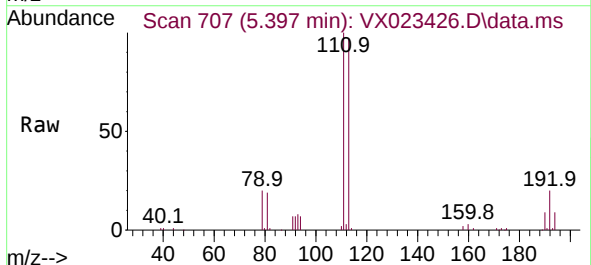
Instrument :
MSVOA_X
ClientSampleId :

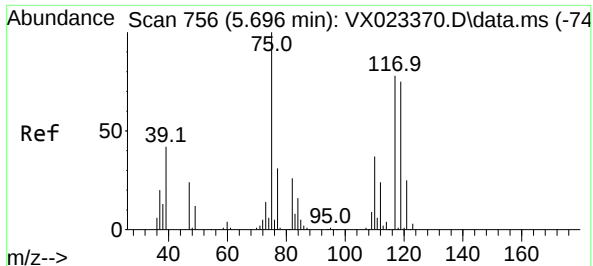
Tgt Ion:114 Resp: 282252
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.483 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

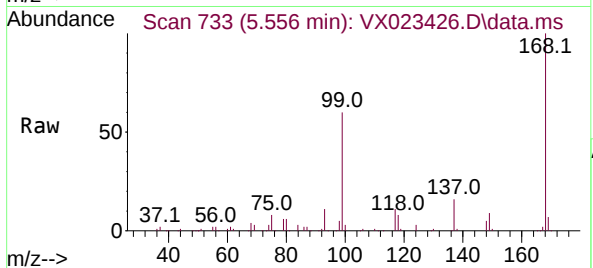
Tgt Ion:113 Resp: 89091
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.4 16.7 25.1



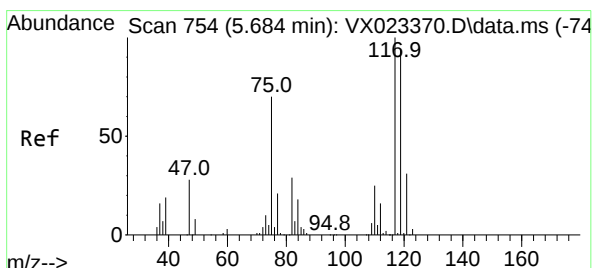
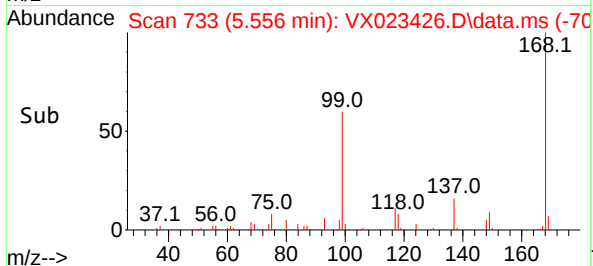
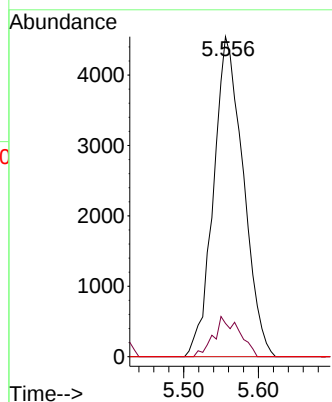


#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Instrument :
MSVOA_X
ClientSampled :

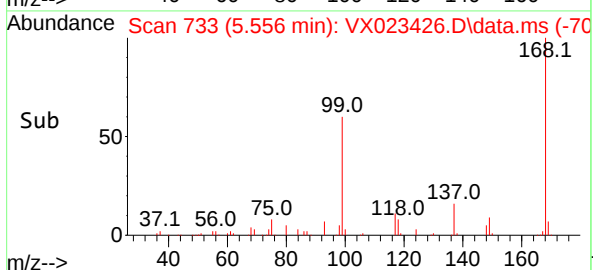
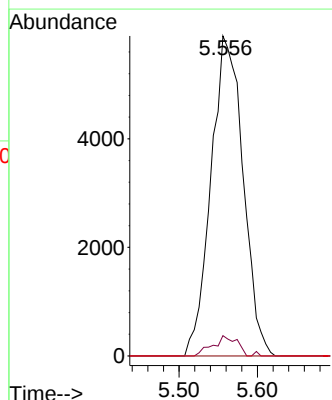
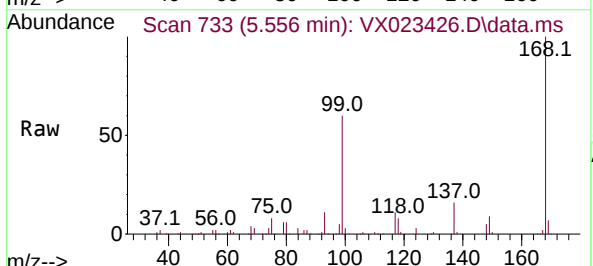


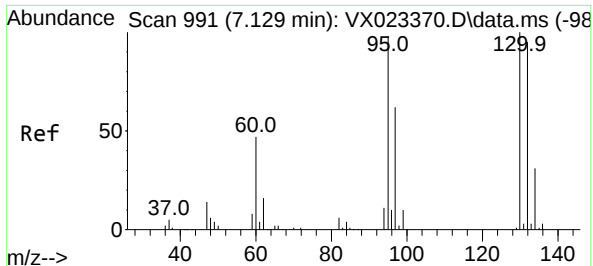
Tgt Ion: 75 Resp: 12581
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion: 117 Resp: 16759
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#





#44

Trichloroethene

Concen: 1.108 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023426.D

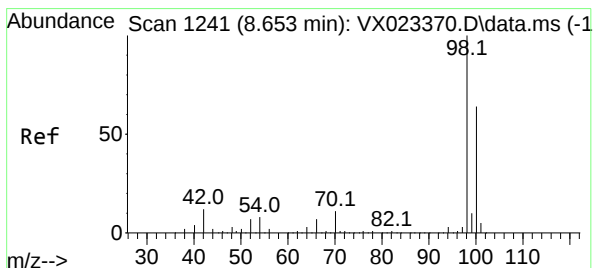
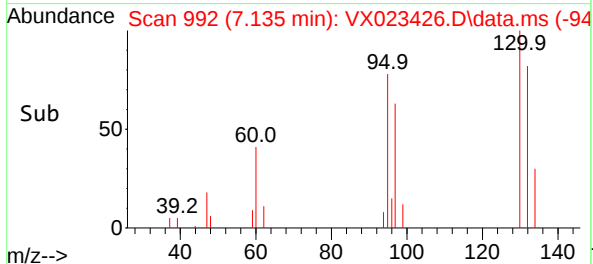
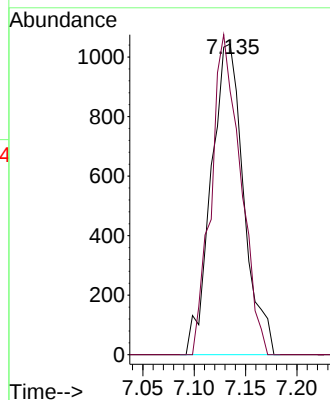
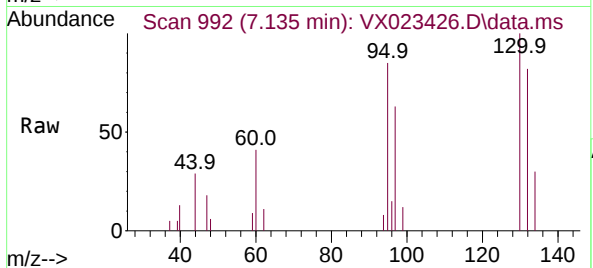
Acq: 23 Jul 2021 16:12

Tgt Ion:130 Resp: 2304

Ion Ratio Lower Upper

130 100

95 84.9 0.0 198.0



#50

Toluene-d8

Concen: 52.576 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023426.D

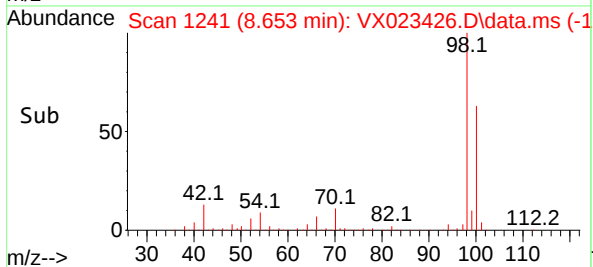
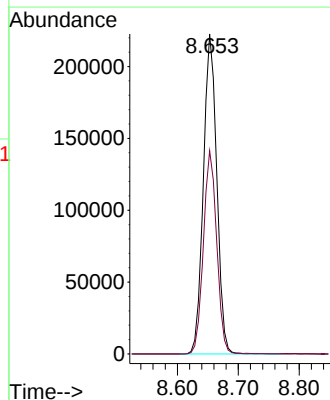
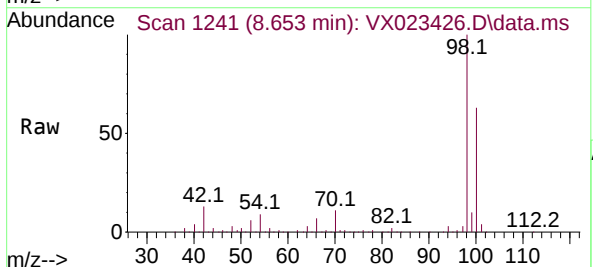
Acq: 23 Jul 2021 16:12

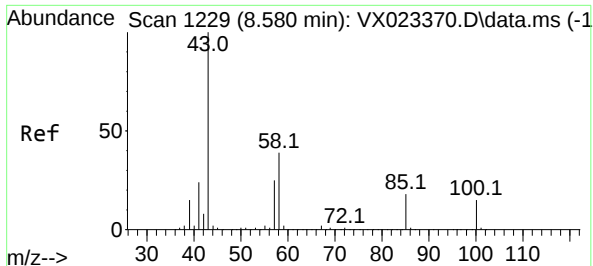
Tgt Ion: 98 Resp: 340894

Ion Ratio Lower Upper

98 100

100 63.0 51.9 77.9

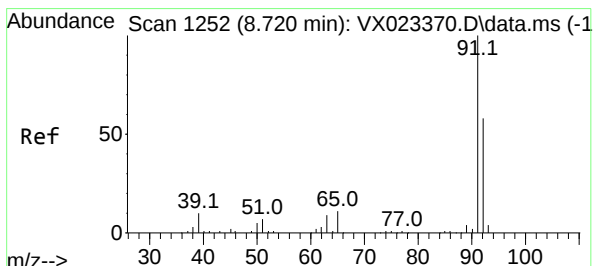
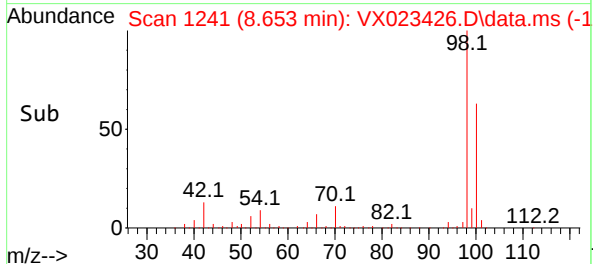
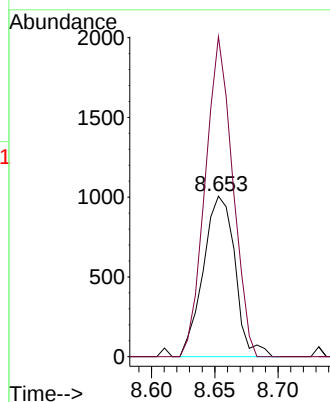
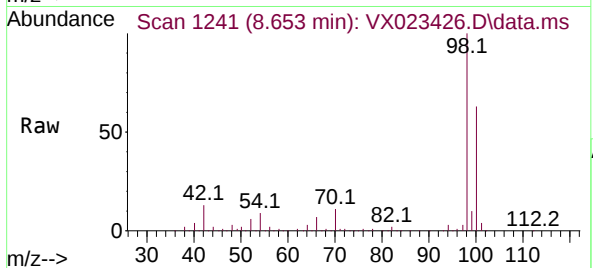




#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

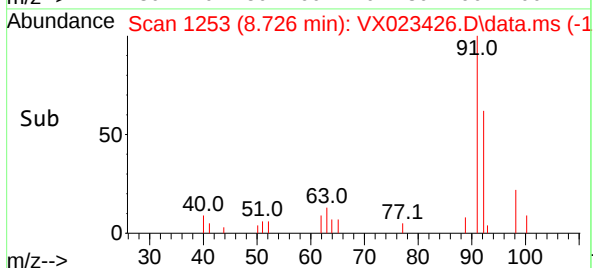
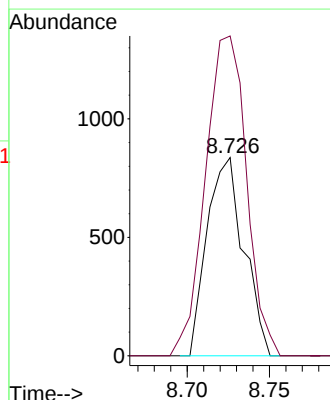
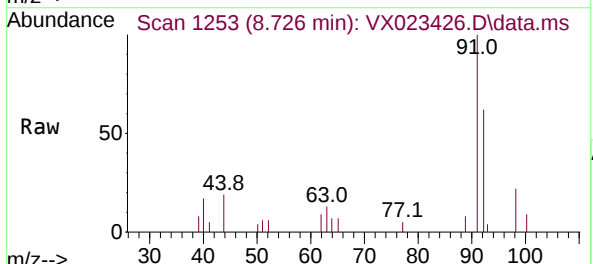
Instrument :
MSVOA_X
ClientSampled :

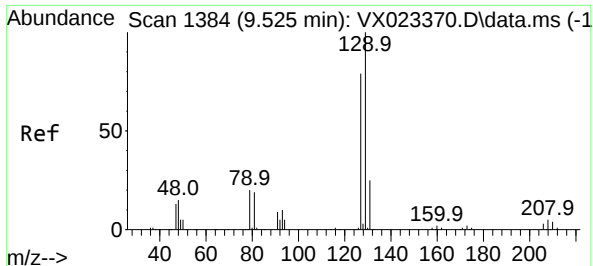
Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
58 172.4 35.4 53.0#



#52
Toluene
Concen: 0.277 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion: 92 Resp: 1300
Ion Ratio Lower Upper
92 100
91 180.2 137.1 205.7

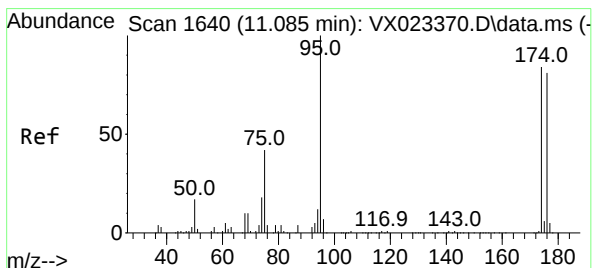
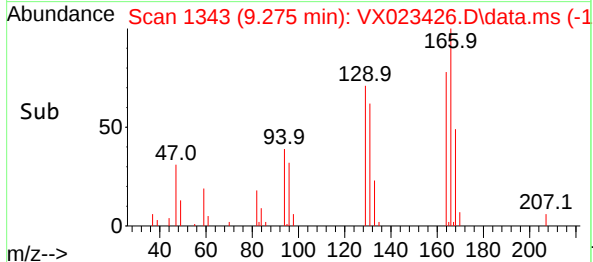
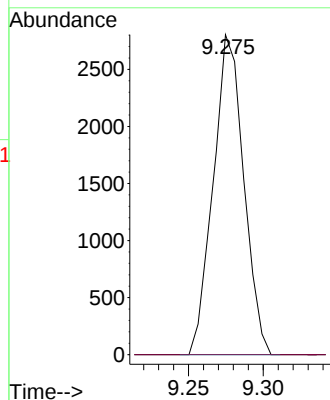
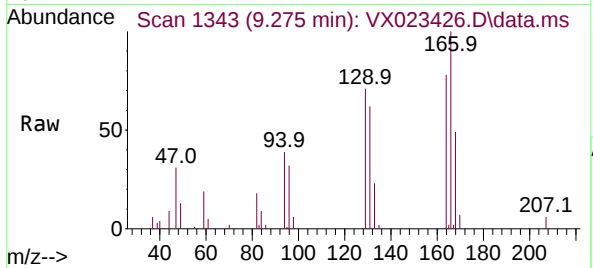




#60
Dibromochloromethane
Concen: 3.794 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

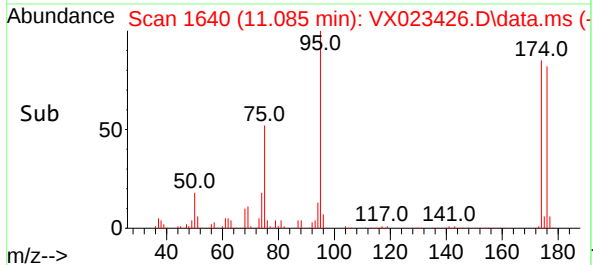
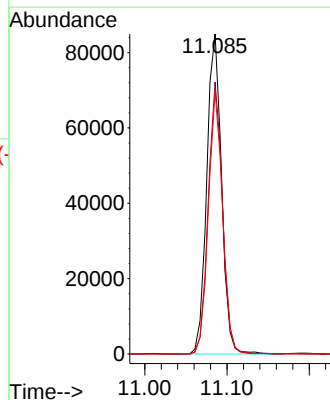
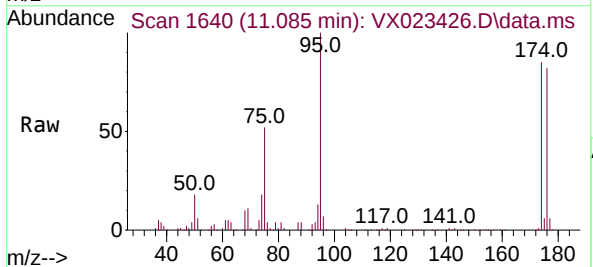
Instrument :
MSVOA_X
ClientSampled :

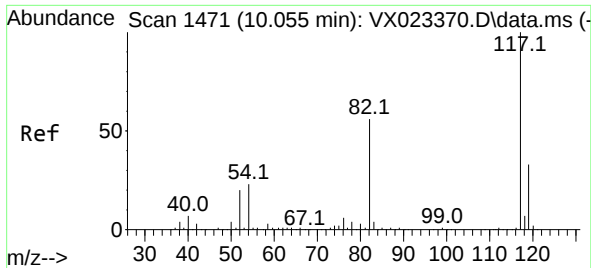
Tgt Ion:129 Resp: 3969
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 48.116 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion: 95 Resp: 106083
Ion Ratio Lower Upper
95 100
174 81.8 0.0 154.6
176 79.1 0.0 155.8

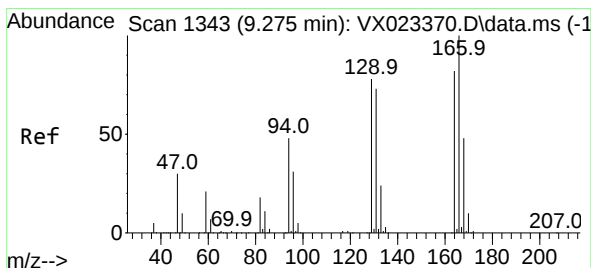
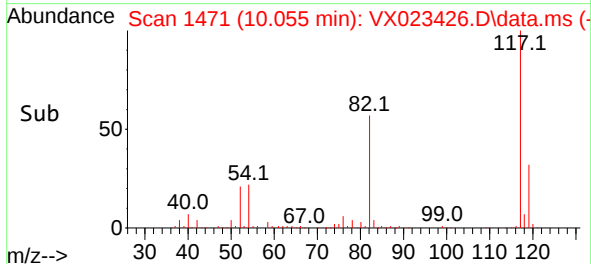
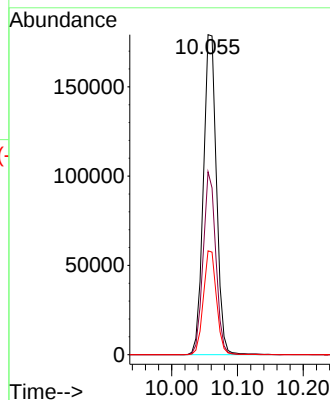
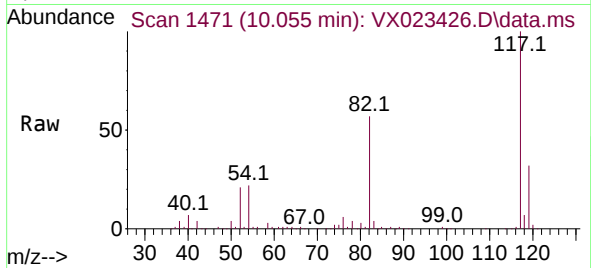




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

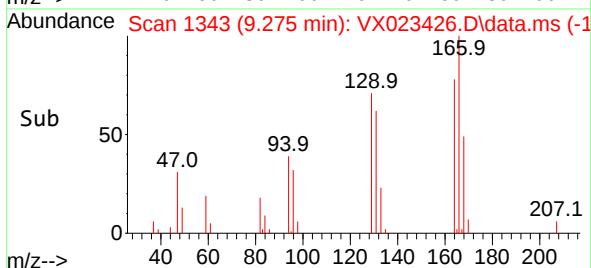
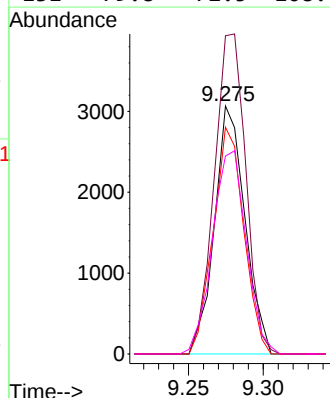
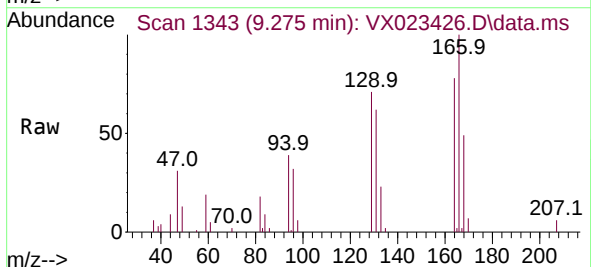
Instrument :
MSVOA_X
ClientSampled :

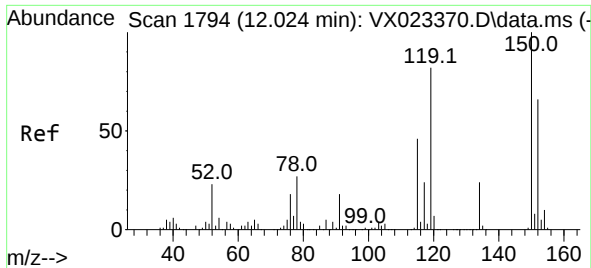
Tgt Ion:117 Resp: 248026
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 2.196 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion:164 Resp: 4335
Ion Ratio Lower Upper
164 100
166 128.3 103.4 155.2
129 91.4 70.8 106.2
131 79.8 72.5 108.7

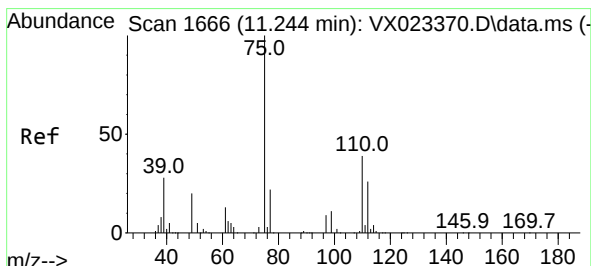
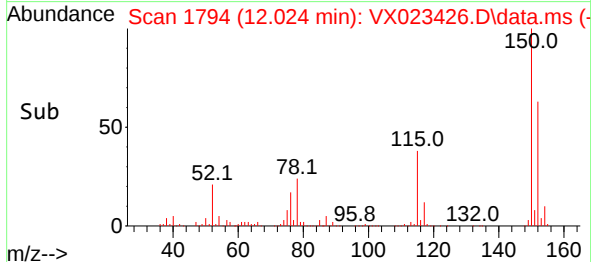
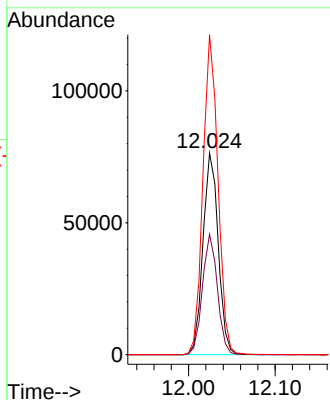
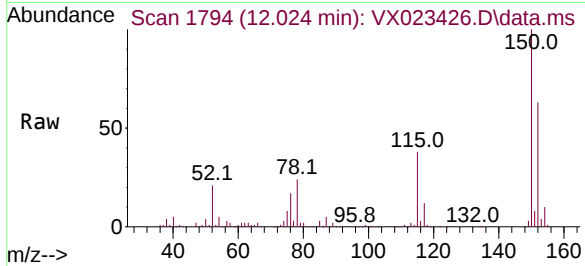




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023426.D
 Acq: 23 Jul 2021 16:12

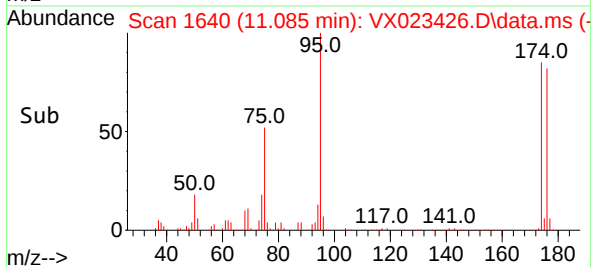
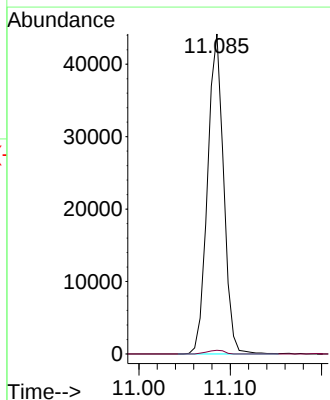
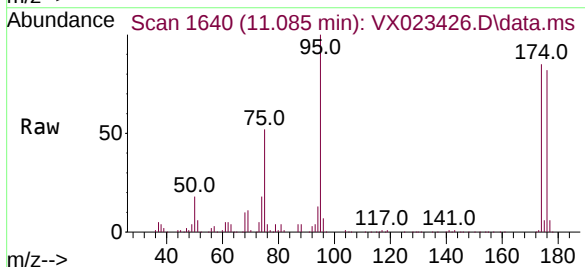
Instrument :
 MSVOA_X
 ClientSampled :

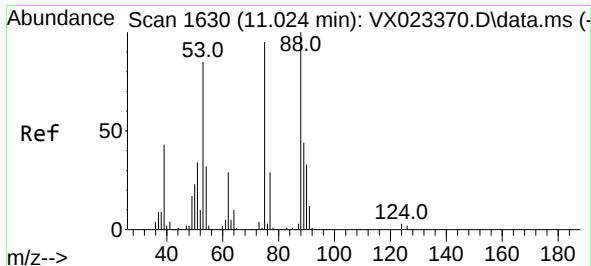
Tgt Ion:152 Resp: 93439
 Ion Ratio Lower Upper
 152 100
 115 58.6 41.1 123.3
 150 156.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.164 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023426.D
 Acq: 23 Jul 2021 16:12

Tgt Ion: 75 Resp: 53798
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

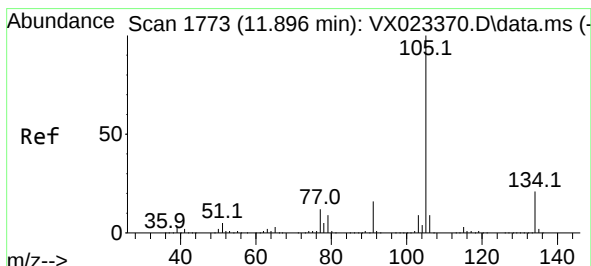
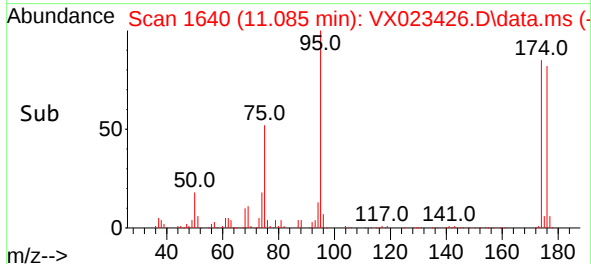
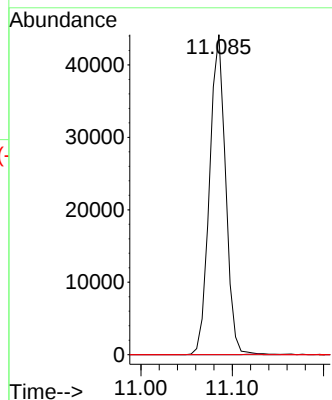
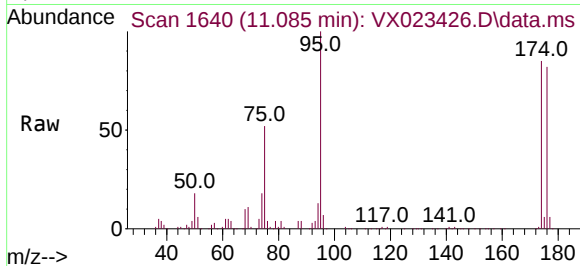




#81
trans-1,4-Dichloro-2-butene
Concen: 70.352 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

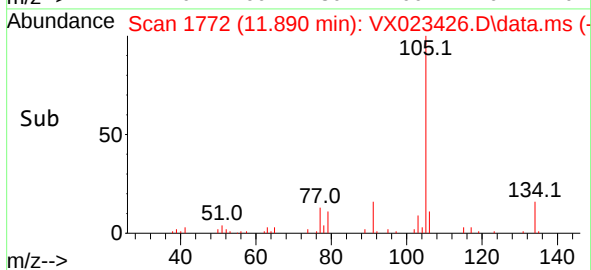
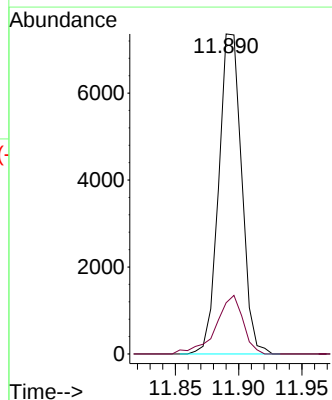
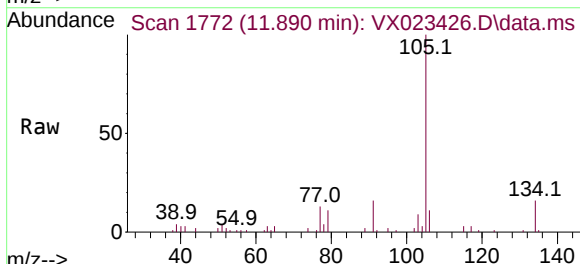
Instrument :
MSVOA_X
ClientSampleId :

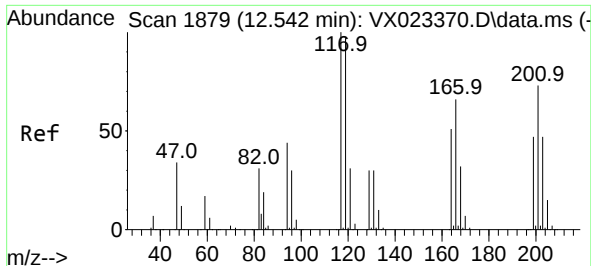
Tgt Ion: 75 Resp: 53798
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#85
sec-Butylbenzene
Concen: 1.270 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion: 105 Resp: 9273
Ion Ratio Lower Upper
105 100
134 21.6 10.0 29.8

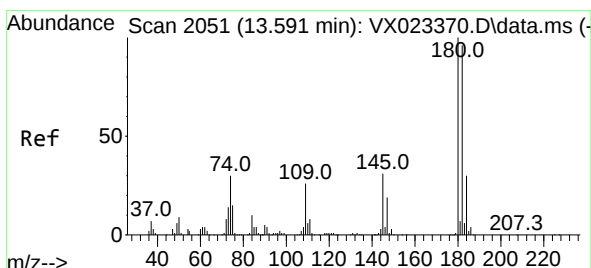
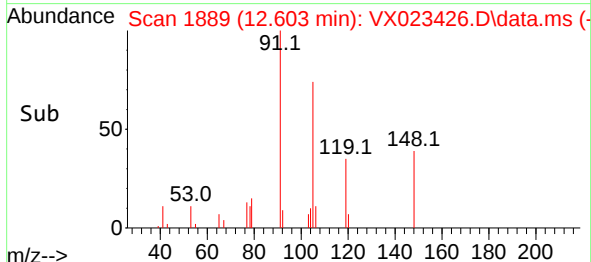
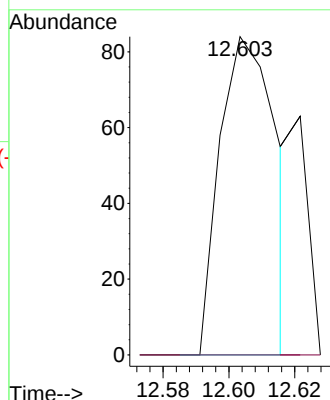
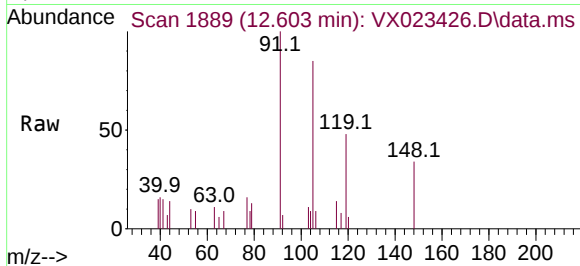




#90
Hexachloroethane
Concen: 1.990 ug/l
RT: 12.603 min Scan# 1889
Delta R.T. 0.061 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 100
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.258 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX023426.D
Acq: 23 Jul 2021 16:12

Tgt Ion:180 Resp: 493
Ion Ratio Lower Upper
180 100
182 93.7 47.7 143.1
145 255.2 15.0 45.0#

