

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023461.D
 Acq On : 26 Jul 2021 19:10
 Operator : JC/MD
 Sample : M3146-15 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:29:31 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)

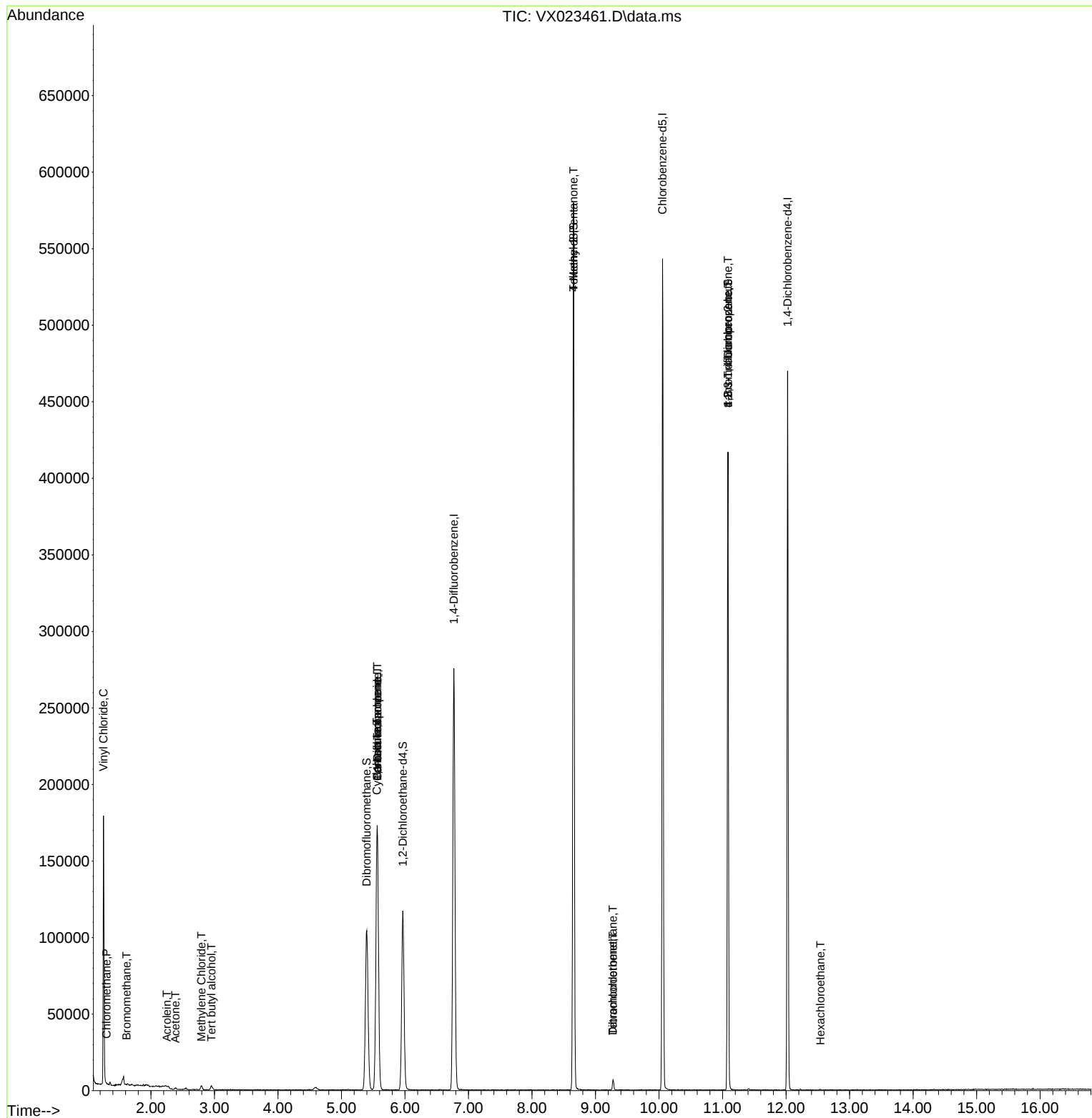
Internal Standards						
1) Pentafluorobenzene	5.562	168	166230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	278557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109539	52.83	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.66%			
35) Dibromofluoromethane	5.397	113	91350	52.45	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.90%			
50) Toluene-d8	8.653	98	333341	52.09	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.18%			
62) 4-Bromofluorobenzene	11.085	95	102593	47.15	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.30%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	373	0.21	ug/l	93
4) Vinyl Chloride	1.252	62	1287	0.71	ug/l #	83
5) Bromomethane	1.618	94	700	0.65	ug/l #	70
11) Tert butyl alcohol	2.953	59	1634	3.45	ug/l #	73
13) Acrolein	2.252	56	59	1.61	ug/l #	56
16) Acetone	2.386	43	1010	0.99	ug/l	98
20) Methylene Chloride	2.794	84	1238	0.63	ug/l #	85
31) Cyclohexane	5.556	56	3762	1.22	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	12729	5.05	ug/l #	50
38) Carbon Tetrachloride	5.562	117	16875	6.59	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1603	0.53	ug/l #	1
60) Dibromochloromethane	9.275	129	1180	2.53	ug/l #	11
64) Tetrachloroethene	9.275	164	1230	0.64	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	52955	25.13	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52955	67.58	ug/l #	12
90) Hexachloroethane	12.542	117	60	1.95	ug/l #	9

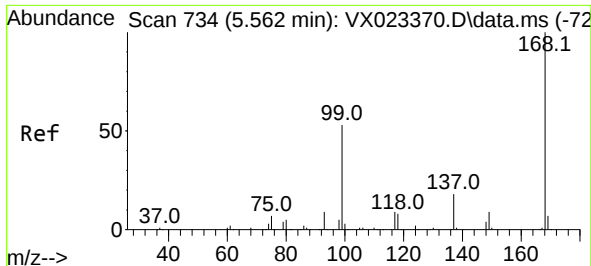
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
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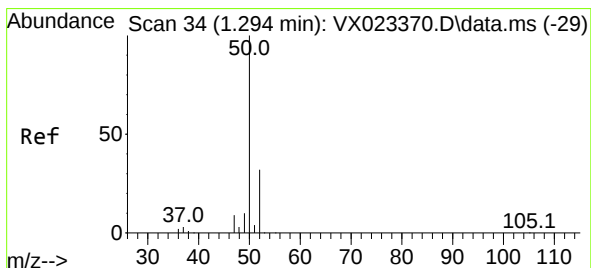
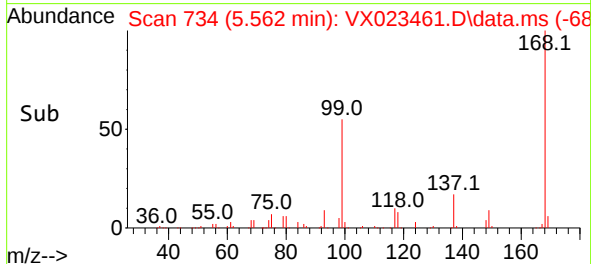
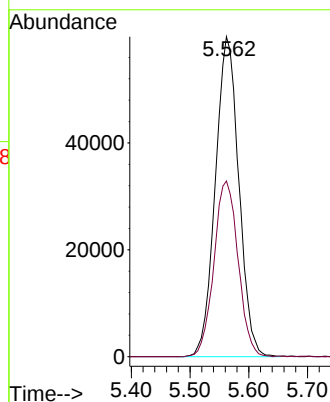
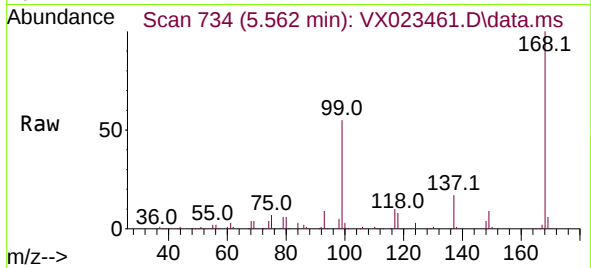




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

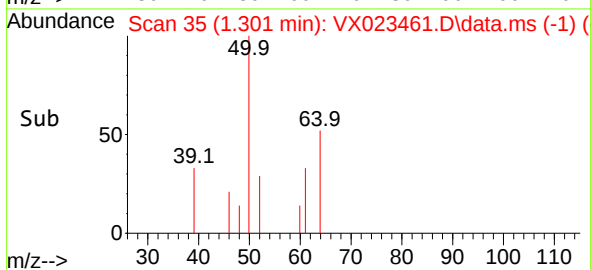
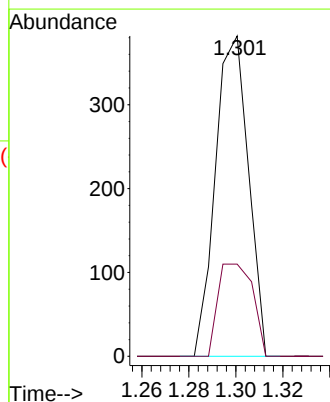
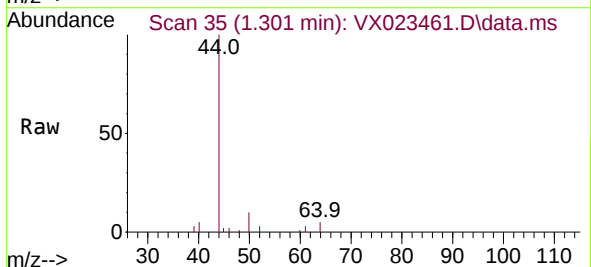
Instrument :
MSVOA_X
ClientSampled :

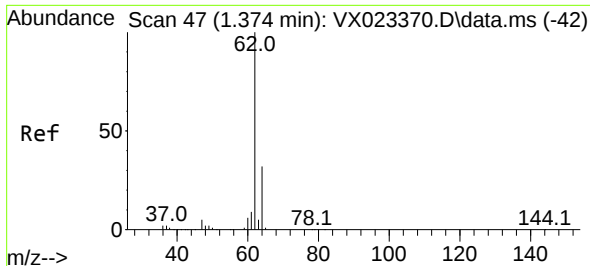
Tgt Ion:168 Resp: 166230
Ion Ratio Lower Upper
168 100
99 54.9 45.8 68.6



#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 28.8 26.4 39.6

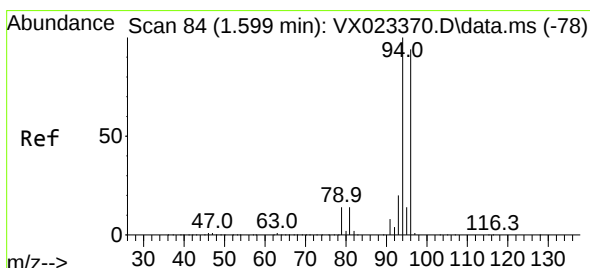
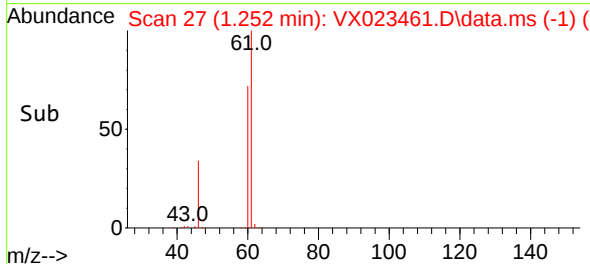
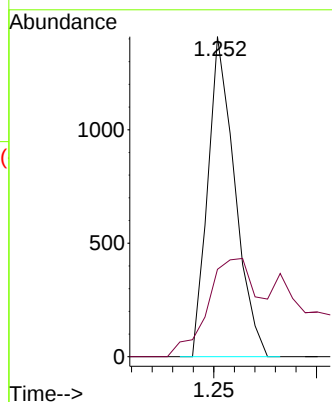
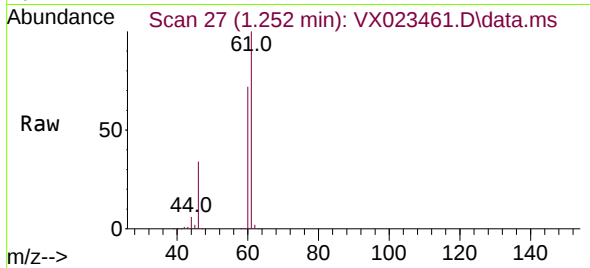




#4
 Vinyl Chloride
 Concen: 0.71 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023461.D
 Acq: 26 Jul 2021 19:10

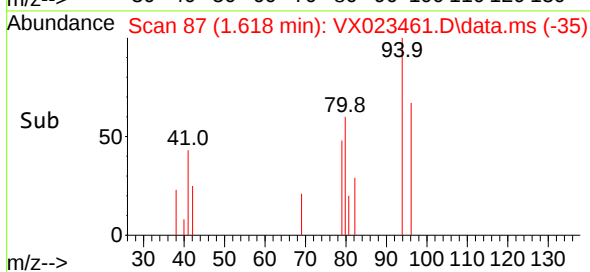
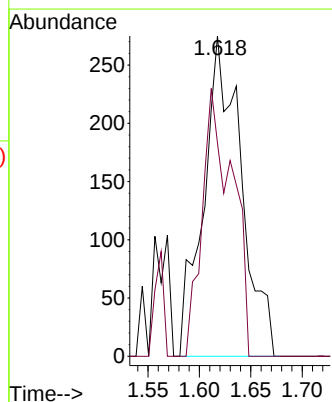
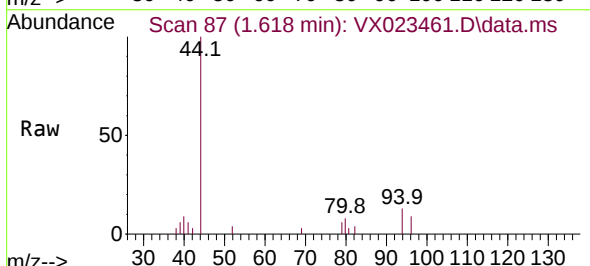
Instrument :
 MSVOA_X
 ClientSampled :

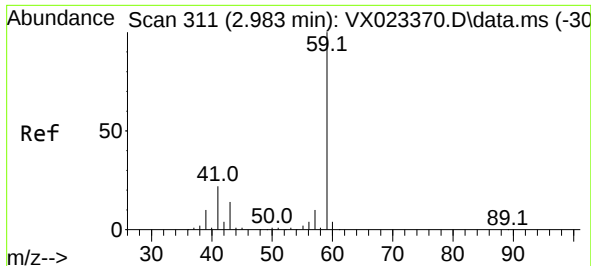
Tgt Ion: 62 Resp: 1287
 Ion Ratio Lower Upper
 62 100
 64 22.7 25.7 38.5#



#5
 Bromomethane
 Concen: 0.65 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX023461.D
 Acq: 26 Jul 2021 19:10

Tgt Ion: 94 Resp: 700
 Ion Ratio Lower Upper
 94 100
 96 66.5 76.4 114.6#



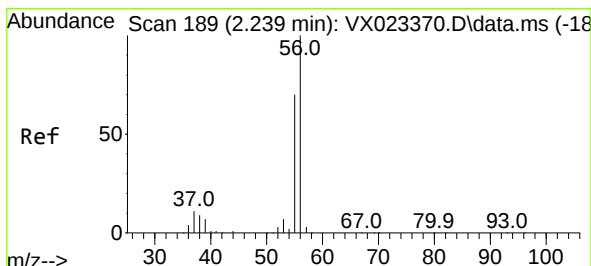
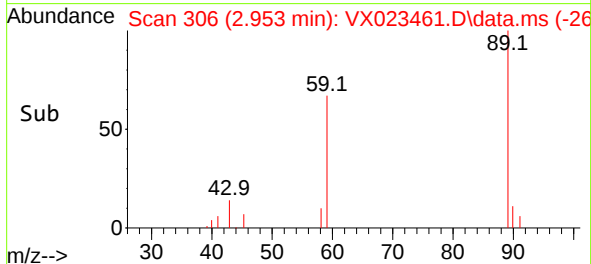
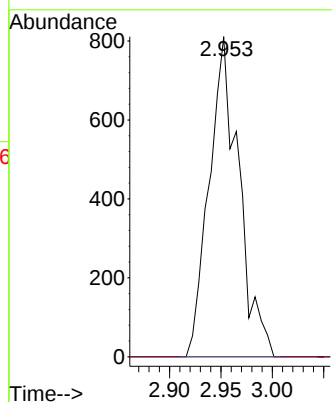
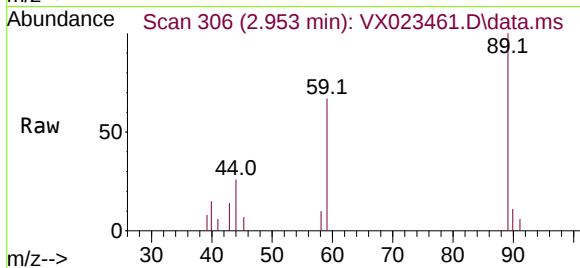


#11

Tert butyl alcohol
Concen: 3.45 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Instrument :
MSVOA_X
ClientSampled :

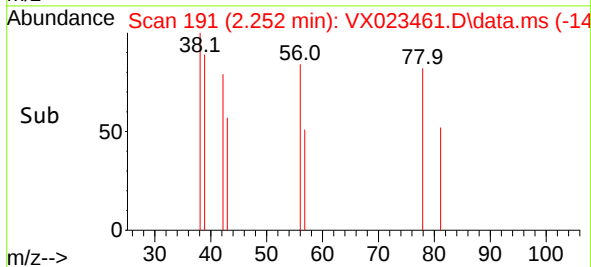
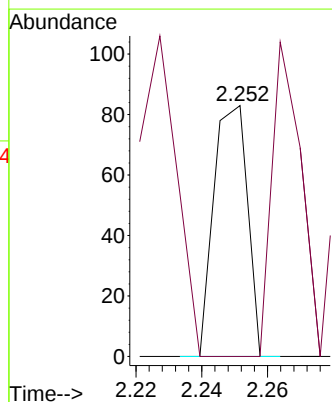
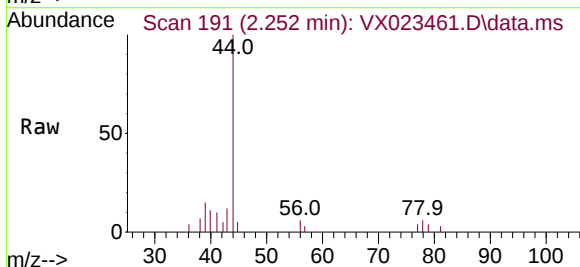
Tgt Ion: 59 Resp: 1634
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

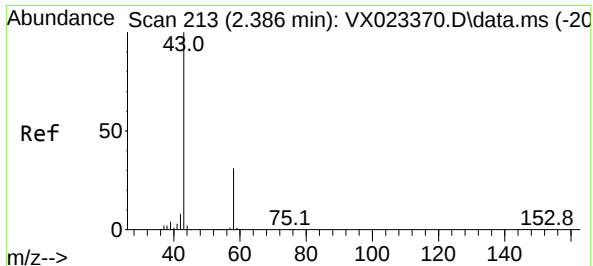


#13

Acrolein
Concen: 1.61 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 106.8 56.4 84.6#

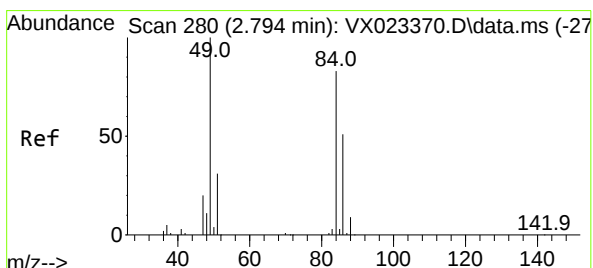
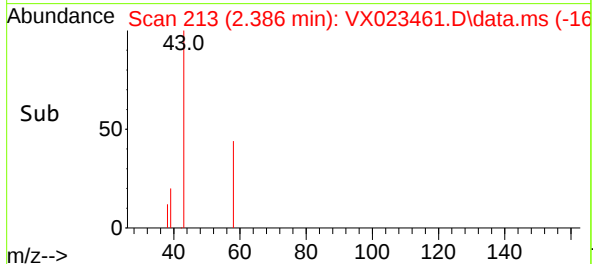
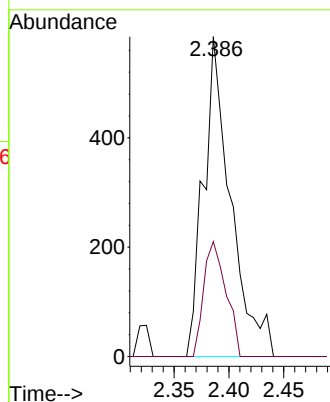
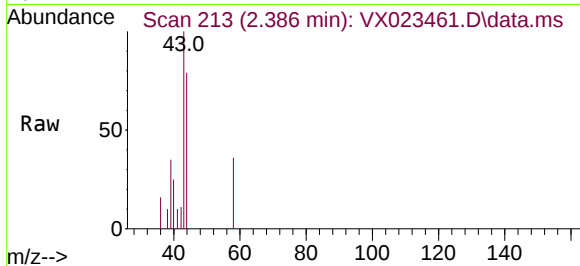




#16
Acetone
Concen: 0.99 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

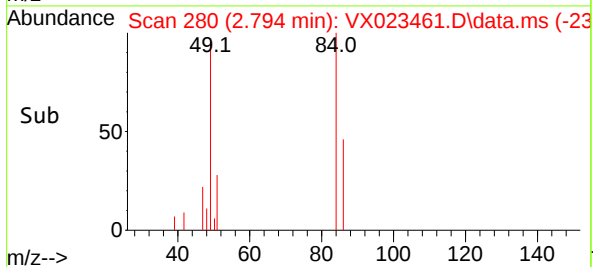
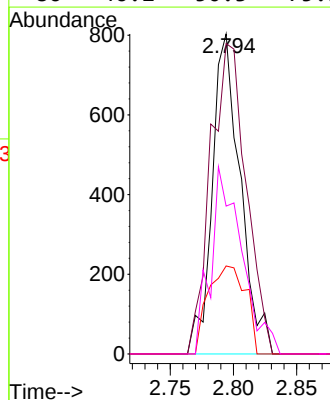
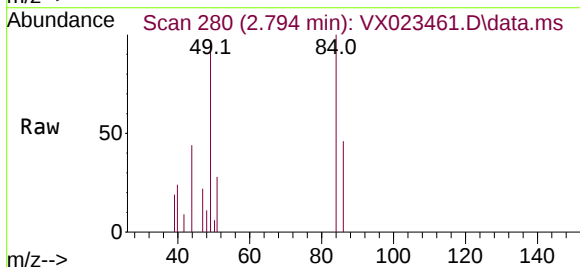
Instrument :
MSVOA_X
ClientSampled :

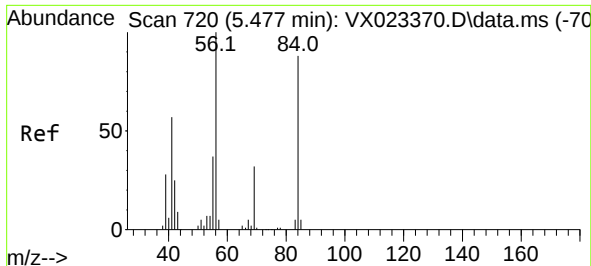
Tgt Ion: 43 Resp: 1010
Ion Ratio Lower Upper
43 100
58 35.9 27.8 41.8



#20
Methylene Chloride
Concen: 0.63 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion: 84 Resp: 1238
Ion Ratio Lower Upper
84 100
49 97.0 88.6 132.8
51 27.5 27.0 40.6
86 46.2 50.3 75.5#

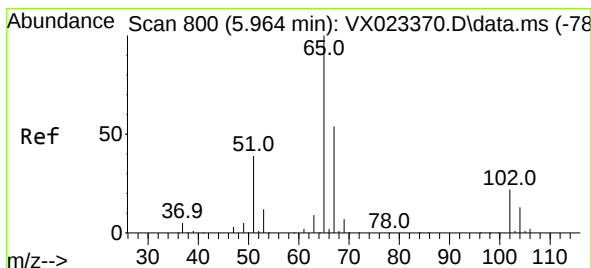
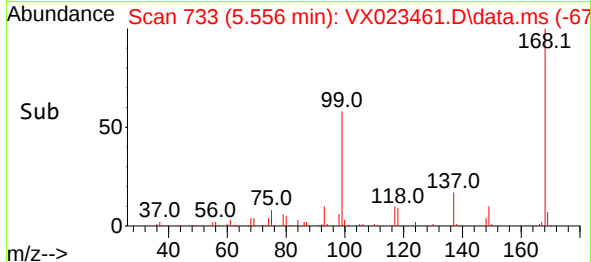
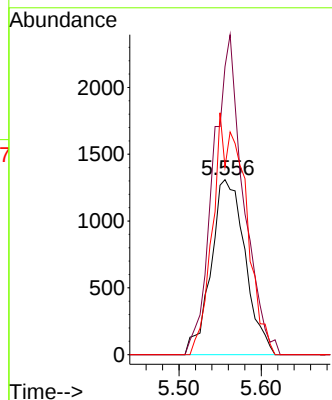
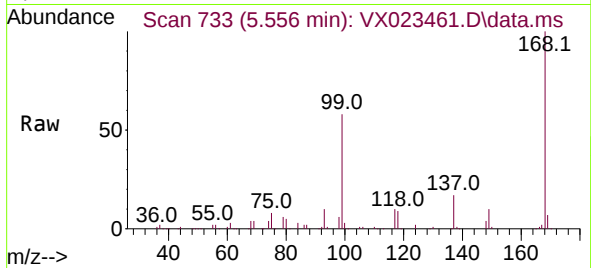




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

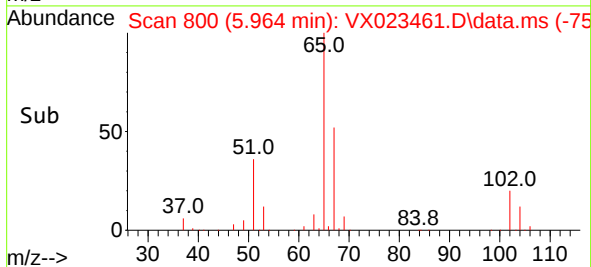
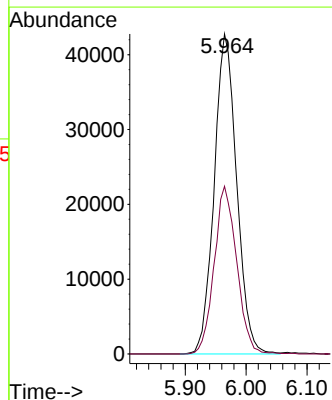
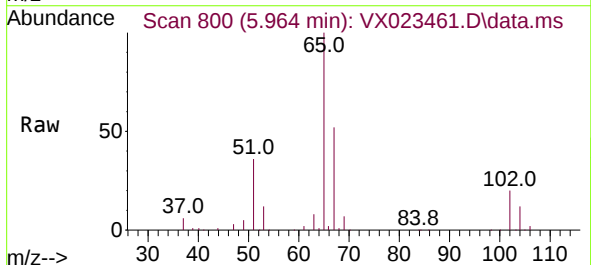
Instrument :
MSVOA_X
ClientSampleId :

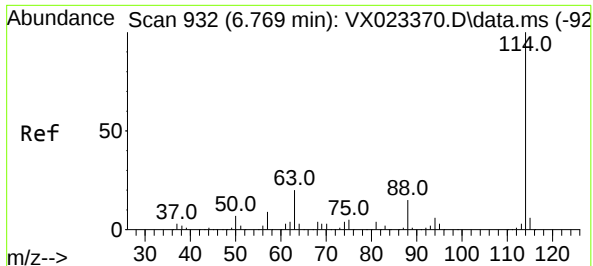
Tgt Ion: 56 Resp: 3762
Ion Ratio Lower Upper
56 100
69 164.5 25.3 37.9#
84 107.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.83 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion: 65 Resp: 109539
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

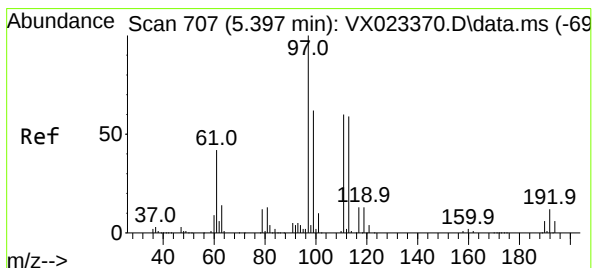
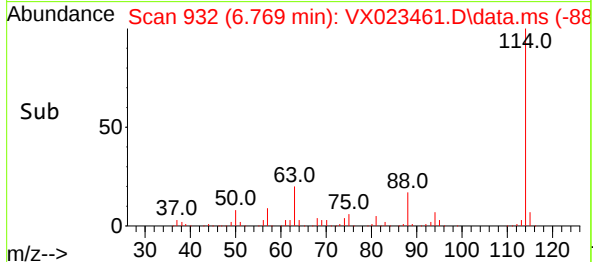
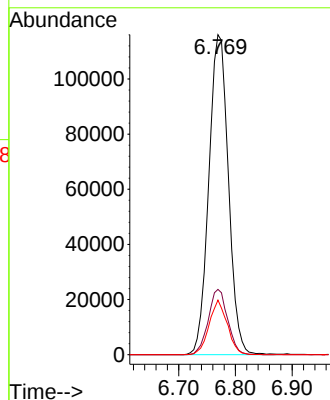
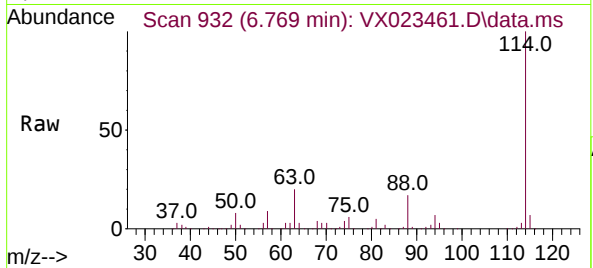




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

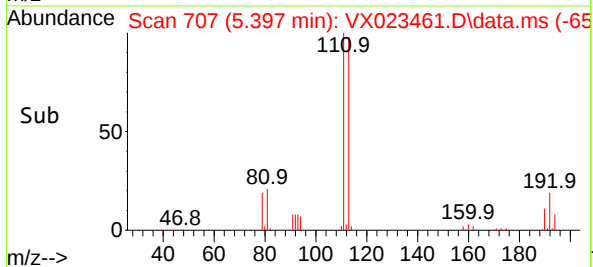
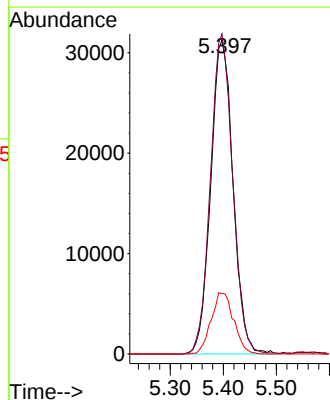
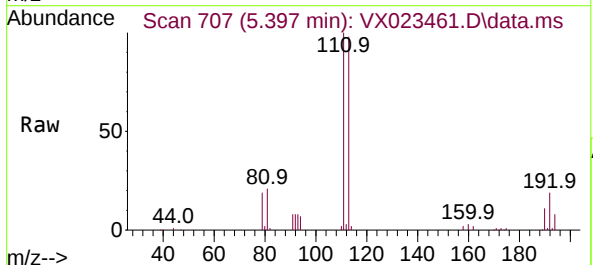
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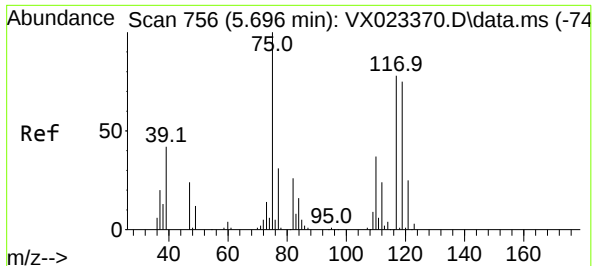
Tgt Ion:114 Resp: 278557
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.45 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion:113 Resp: 91350
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.05 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023461.D

Acq: 26 Jul 2021 19:10

Tgt Ion: 75 Resp: 12729

Ion Ratio Lower Upper

75 100

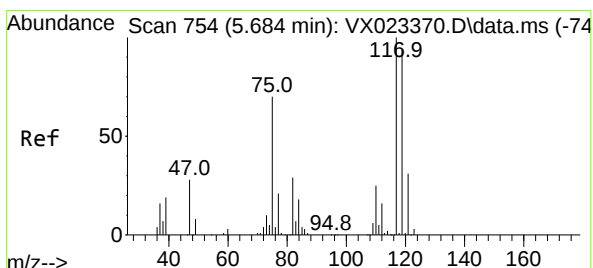
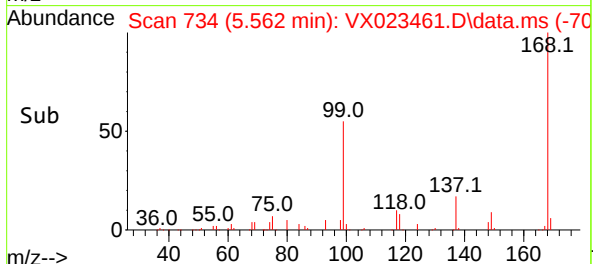
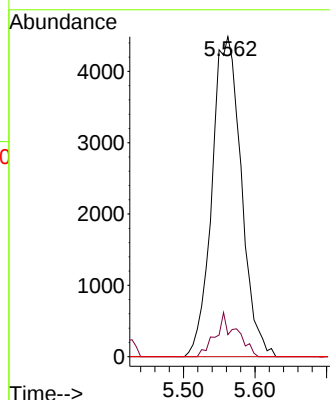
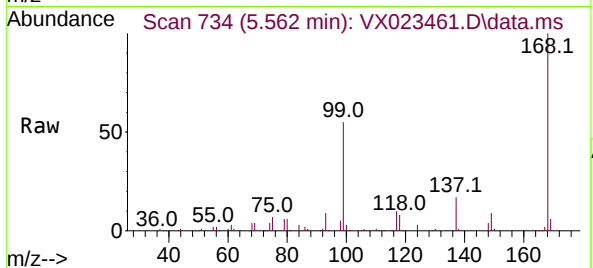
110 9.9 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.59 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023461.D

Acq: 26 Jul 2021 19:10

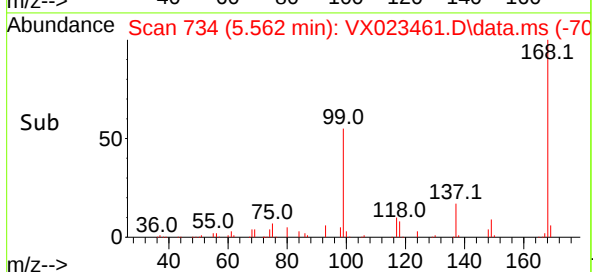
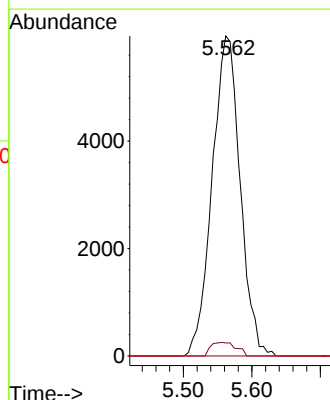
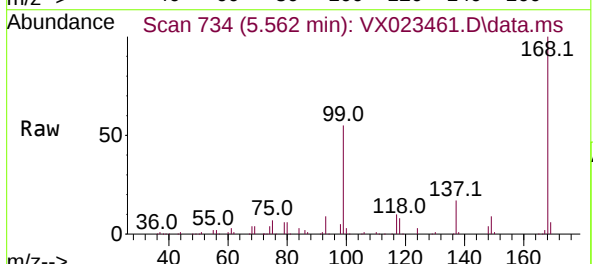
Tgt Ion:117 Resp: 16875

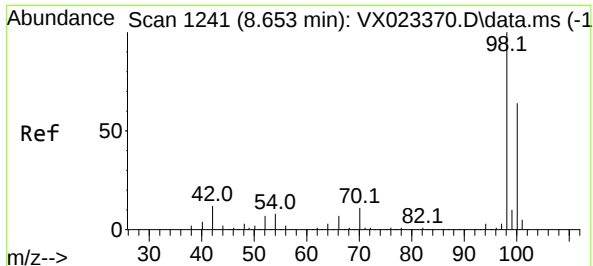
Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.2#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 52.09 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023461.D

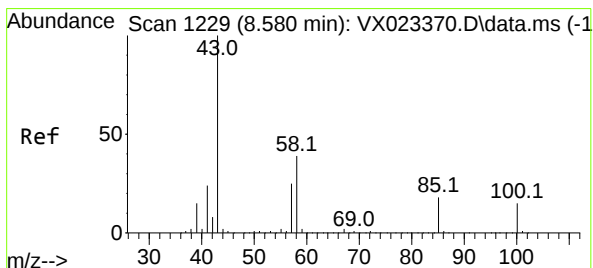
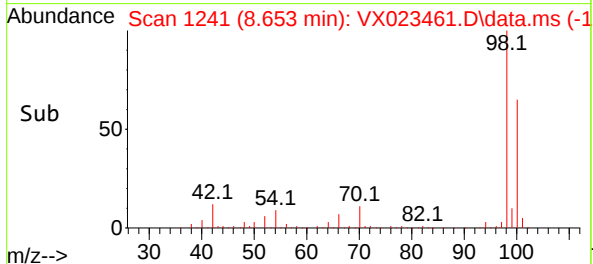
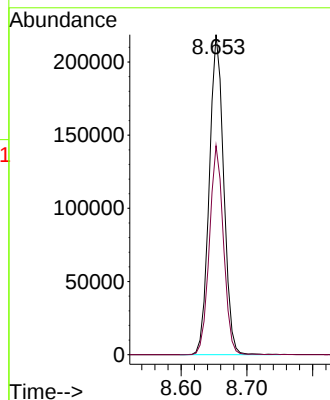
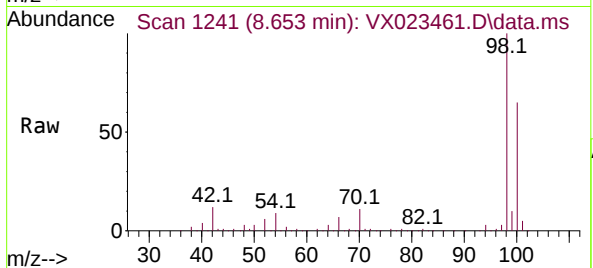
Acq: 26 Jul 2021 19:10

Tgt Ion: 98 Resp: 333341

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.53 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX023461.D

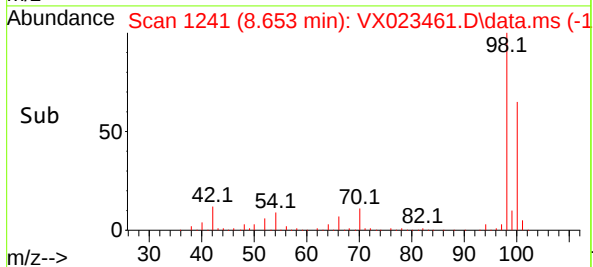
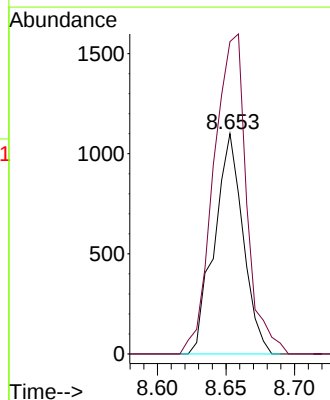
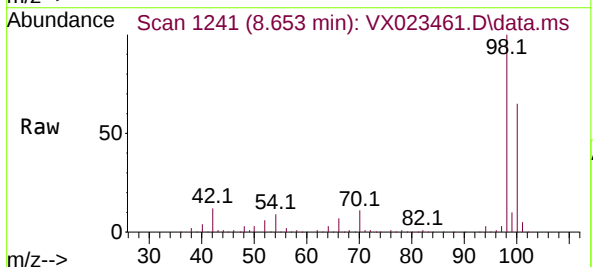
Acq: 26 Jul 2021 19:10

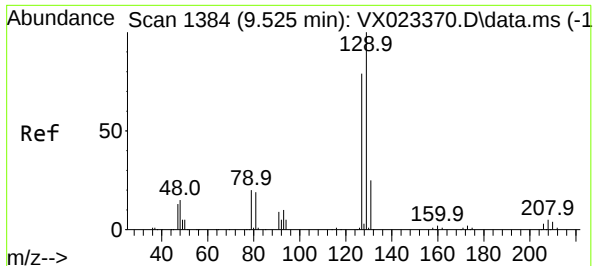
Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

43 100

58 166.4 35.4 53.0#

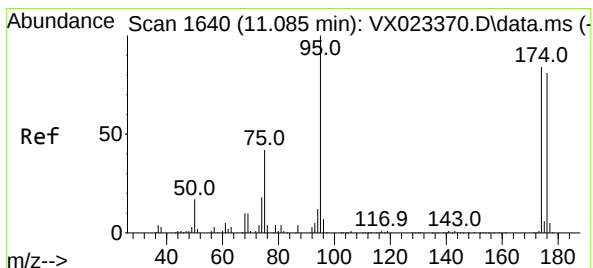
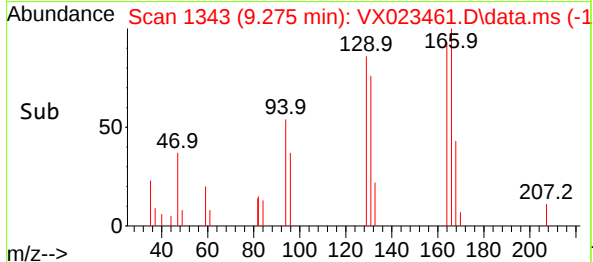
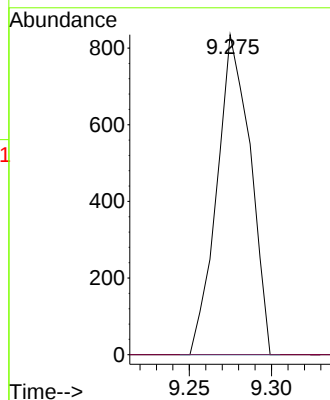
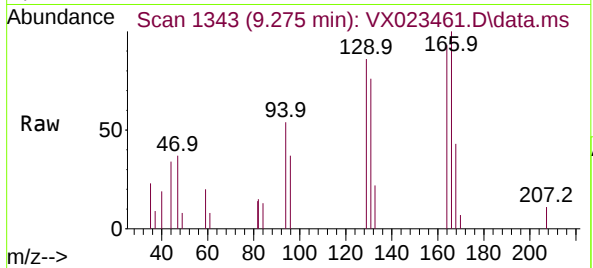




#60
Dibromochloromethane
Concen: 2.53 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

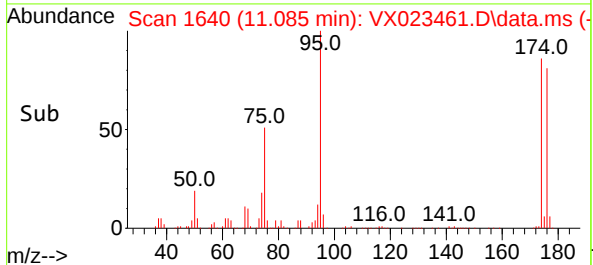
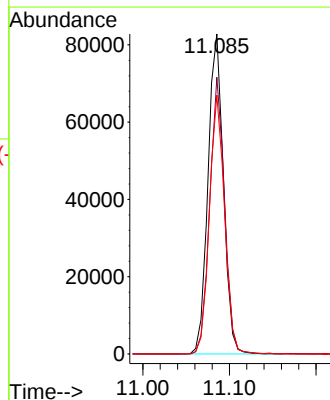
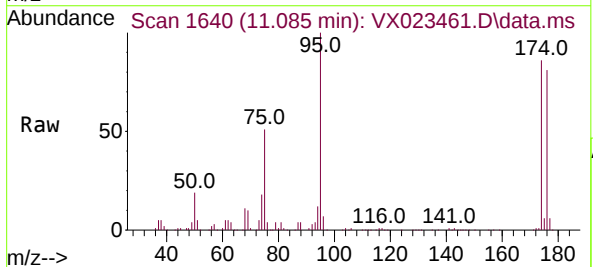
Instrument :
MSVOA_X
ClientSampleId :

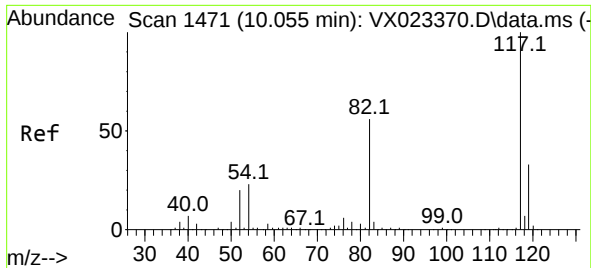
Tgt Ion:129 Resp: 1180
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.15 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion: 95 Resp: 102593
Ion Ratio Lower Upper
95 100
174 83.0 0.0 154.6
176 79.4 0.0 155.8

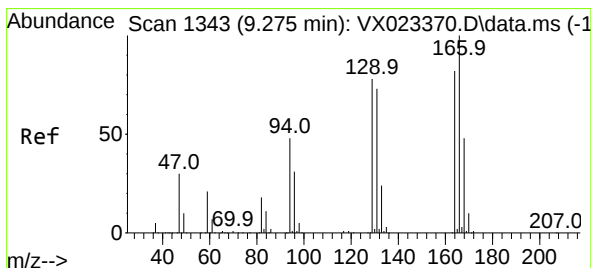
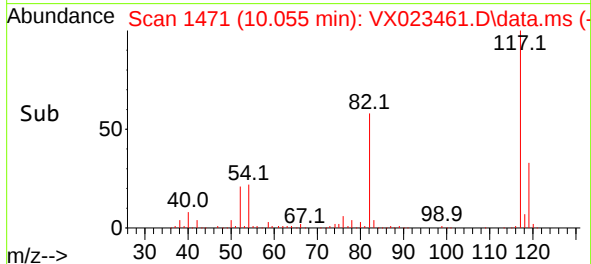
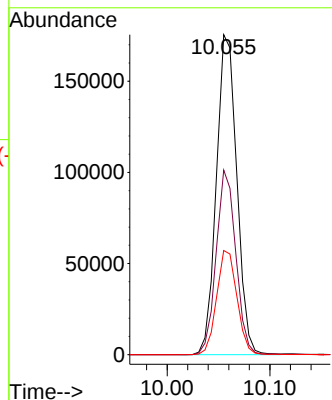
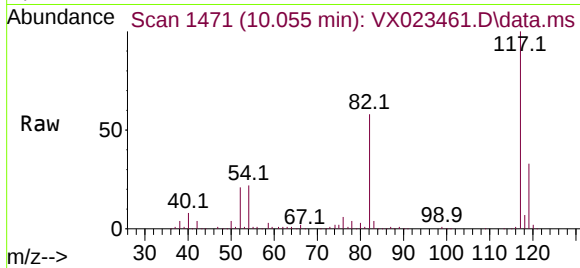




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

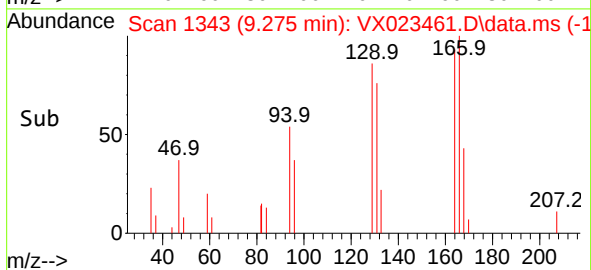
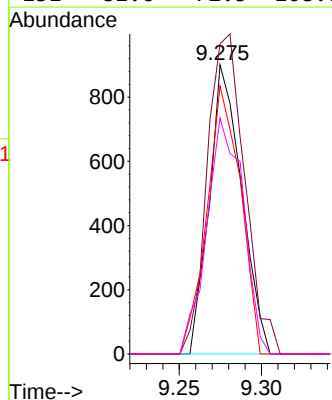
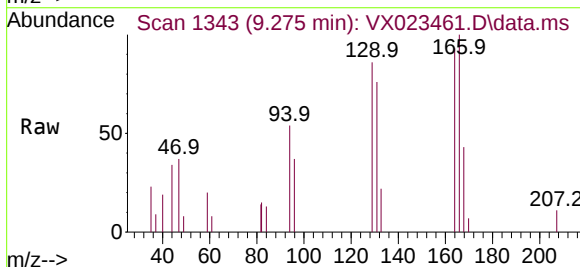
Instrument :
MSVOA_X
ClientSampled :

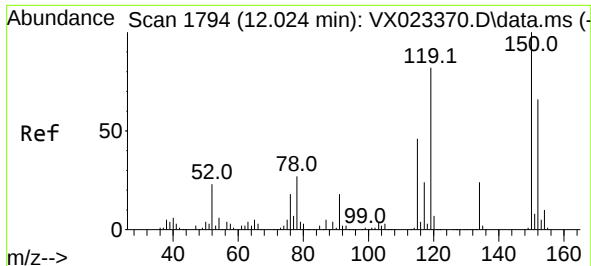
Tgt Ion:117 Resp: 242696
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 0.64 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion:164 Resp: 1230
Ion Ratio Lower Upper
164 100
166 107.2 103.4 155.2
129 92.7 70.8 106.2
131 81.6 72.5 108.7

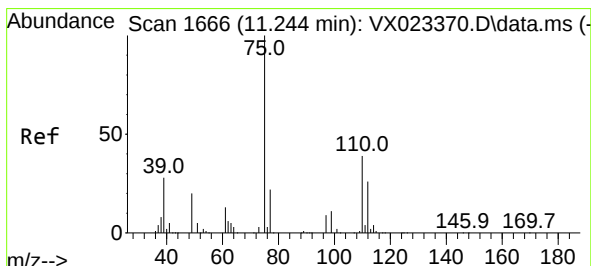
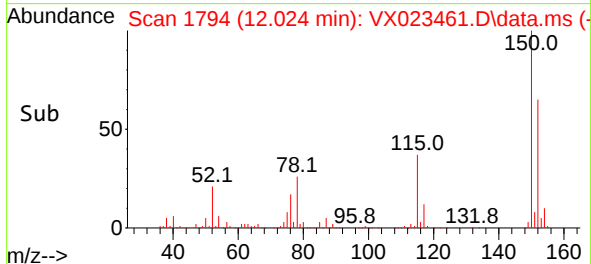
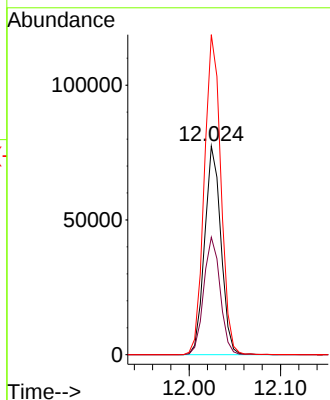
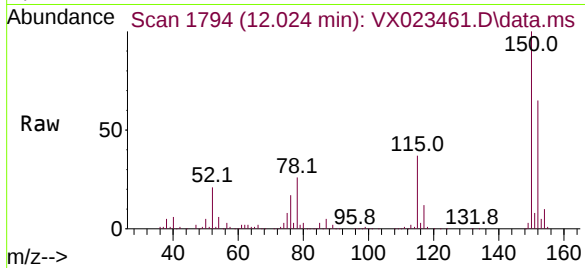




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023461.D
 Acq: 26 Jul 2021 19:10

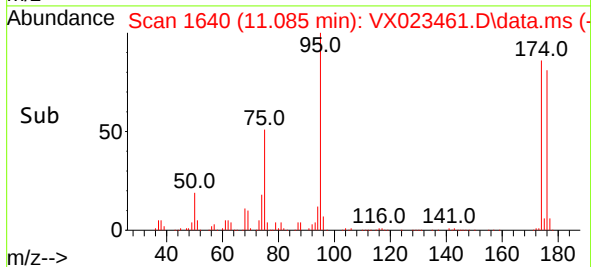
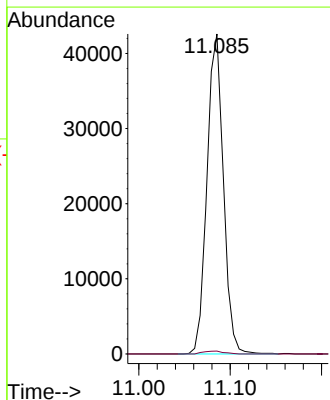
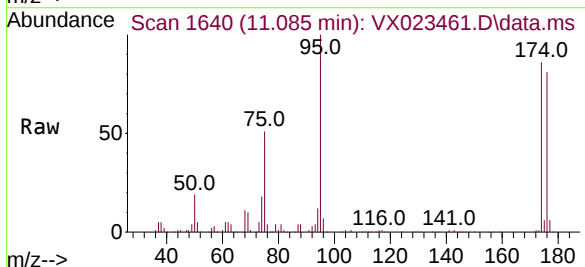
Instrument :
 MSVOA_X
 ClientSampled :

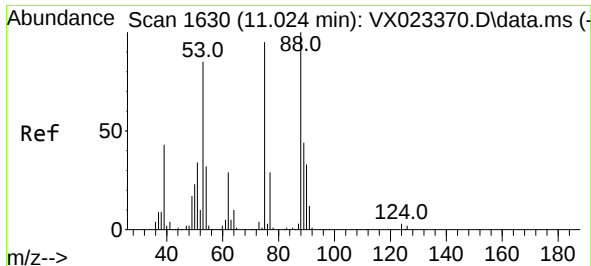
Tgt Ion:152 Resp: 95746
 Ion Ratio Lower Upper
 152 100
 115 56.9 41.1 123.3
 150 156.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.13 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023461.D
 Acq: 26 Jul 2021 19:10

Tgt Ion: 75 Resp: 52955
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

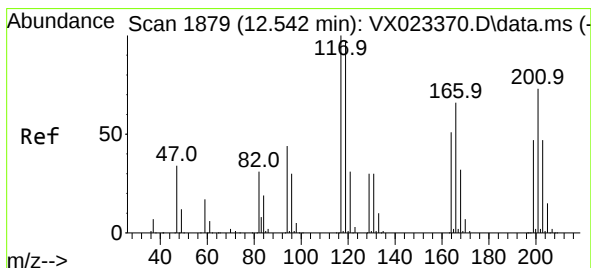
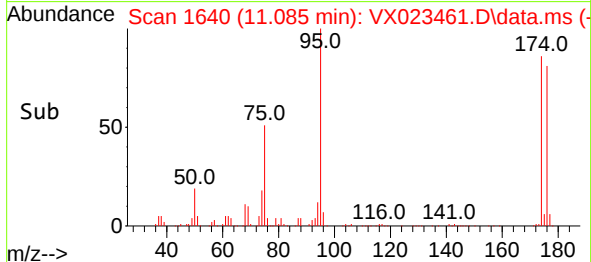
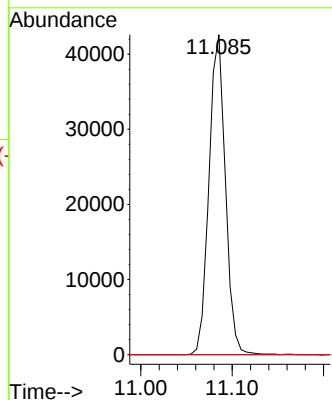
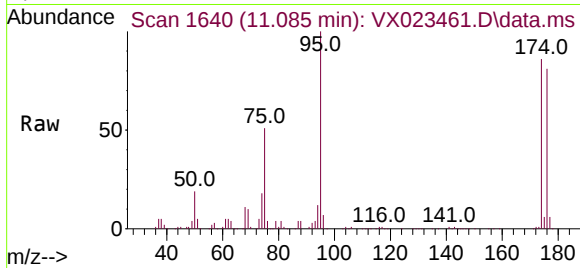




#81
trans-1,4-Dichloro-2-butene
Concen: 67.58 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 52955
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.95 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX023461.D
Acq: 26 Jul 2021 19:10

Tgt Ion: 117 Resp: 60
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

