

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023741.D
 Acq On : 16 Aug 2021 16:24
 Operator : JC/MD
 Sample : M3407-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

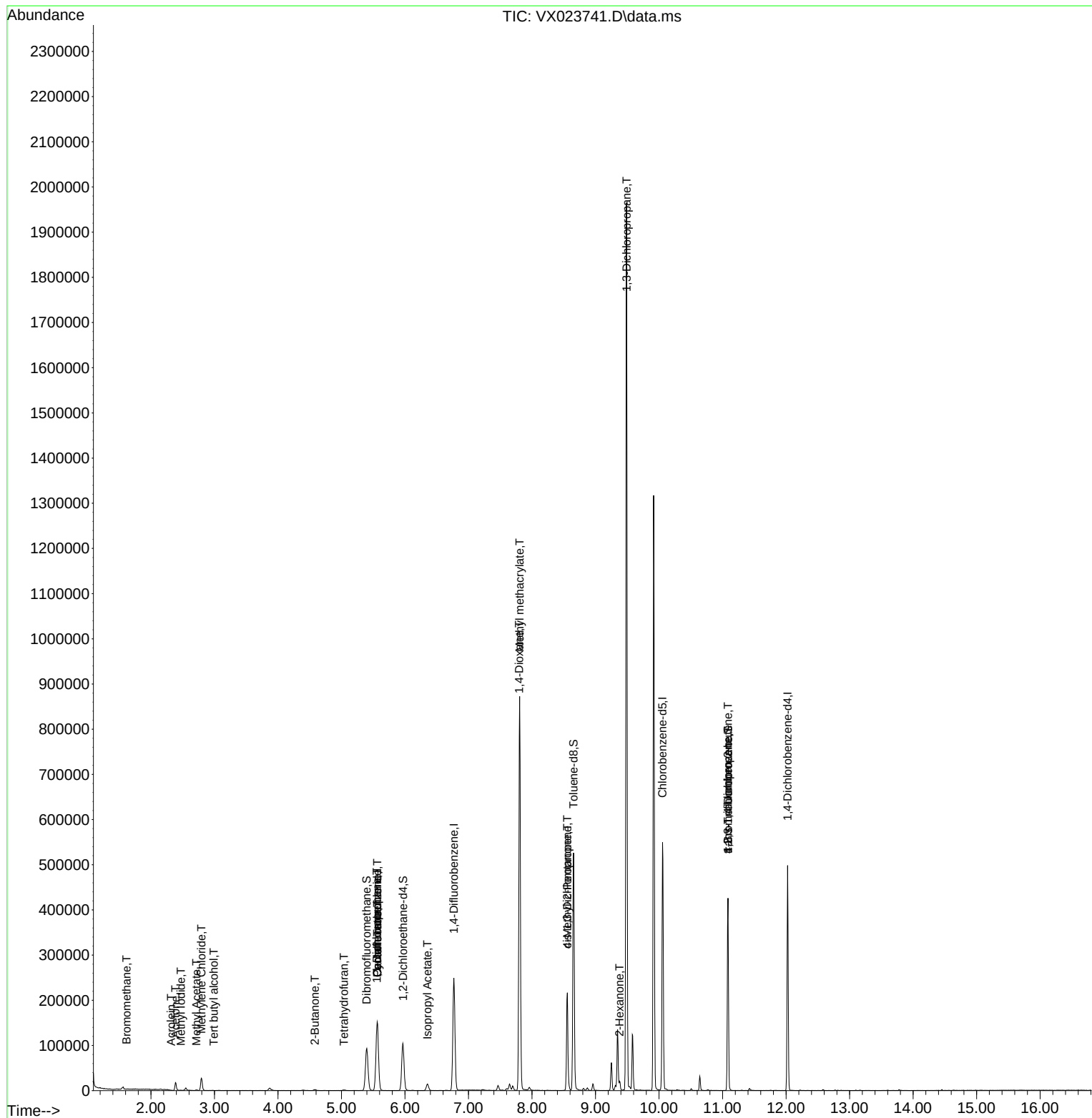
Quant Time: Aug 17 06:18:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

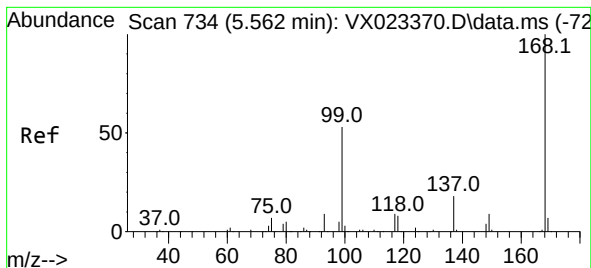
Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168		143132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114		245828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		236919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		97744	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.970	65		101280	56.725	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.460%	
35) Dibromofluoromethane	5.397	113		80224	52.194	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.380%	
50) Toluene-d8	8.653	98		306656	54.304	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.600%	
62) 4-Bromofluorobenzene	11.085	95		106680	55.556	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.120%	
Target Compounds							Qvalue
5) Bromomethane	1.618	94		536	0.581	ug/l #	52
10) Methyl Iodide	2.471	142		365	0.206	ug/l #	81
11) Tert butyl alcohol	2.989	59		389	0.954	ug/l #	73
13) Acrolein	2.319	56		22	1.469	ug/l #	14
16) Acetone	2.386	43		17999	20.551	ug/l	96
18) Methyl Acetate	2.715	43		1562	0.750	ug/l #	72
20) Methylene Chloride	2.794	84		12715	7.463	ug/l #	93
25) 2-Butanone	4.580	43		3023	2.223	ug/l #	87
29) Tetrahydrofuran	5.038	42		1056	1.185	ug/l #	53
31) Cyclohexane	5.562	56		3290	1.244	ug/l #	25
36) 1,1-Dichloropropene	5.556	75		11008	4.950	ug/l #	45
38) Carbon Tetrachloride	5.562	117		14405	6.370	ug/l #	17
43) Isopropyl Acetate	6.355	43		19667	4.527	ug/l #	91
48) Methyl methacrylate	7.805	41		79350	39.435	ug/l #	38
49) 1,4-Dioxane	7.799	88		46	1.074	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43		77010	28.979	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75		32326	12.162	ug/l #	70
57) 1,3-Dichloropropane	9.488	76		15797	5.620	ug/l #	42
59) 2-Hexanone	9.378	43		11560	5.728	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75		56868	26.439	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75		56868	71.091	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. -0.000 min

Lab File: VX023741.D

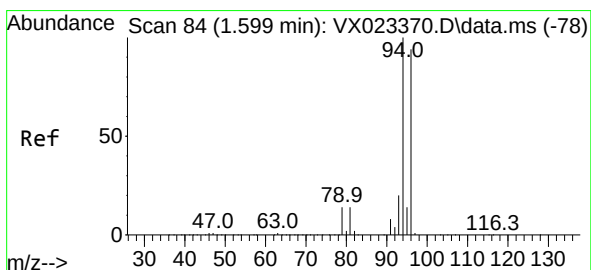
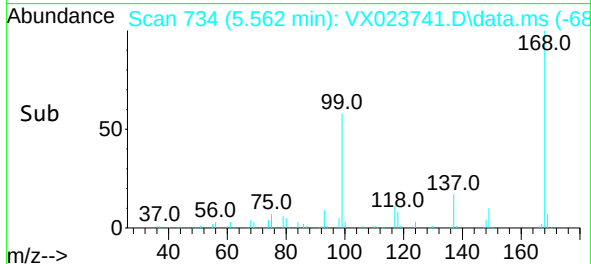
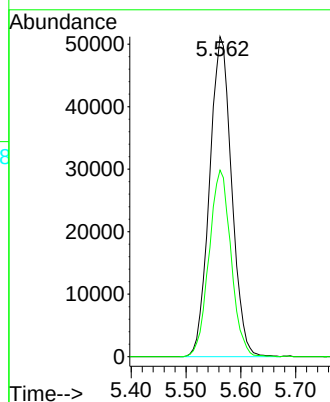
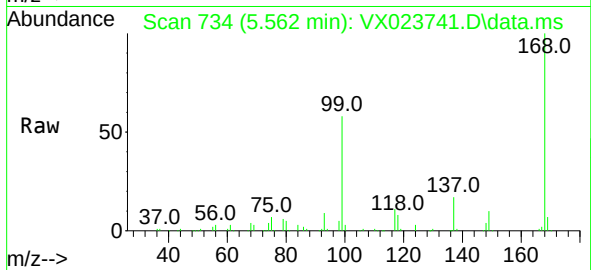
Acq: 16 Aug 2021 16:24

Tgt Ion:168 Resp: 143132

Ion Ratio Lower Upper

168 100

99 58.3 45.8 68.6



#5

Bromomethane

Concen: 0.581 ug/l

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX023741.D

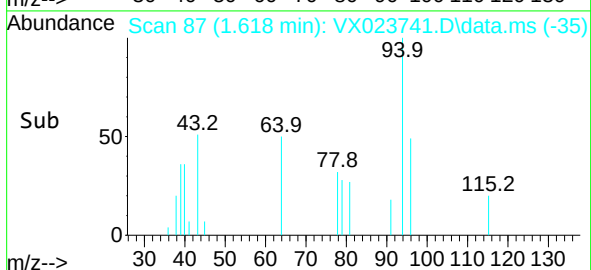
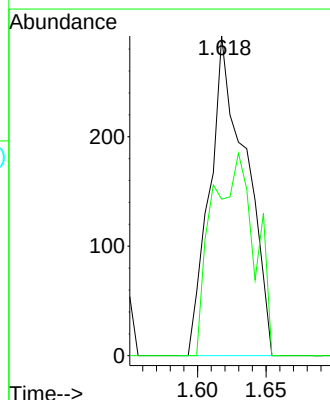
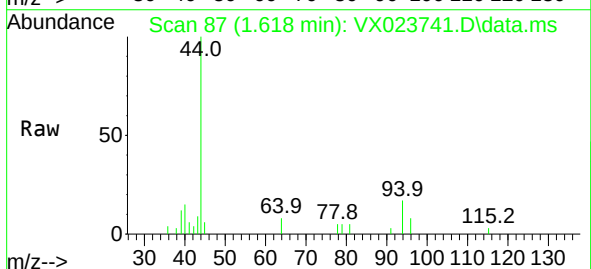
Acq: 16 Aug 2021 16:24

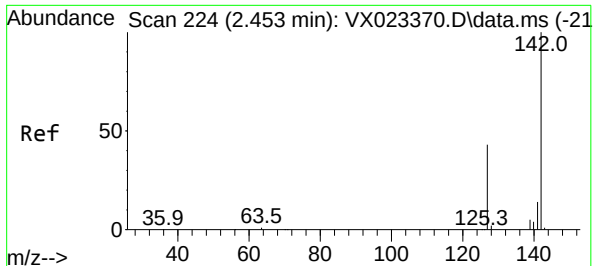
Tgt Ion: 94 Resp: 536

Ion Ratio Lower Upper

94 100

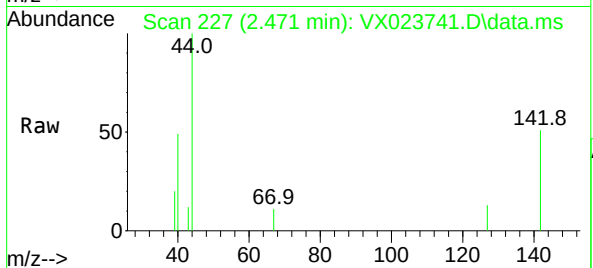
96 49.0 76.4 114.6#



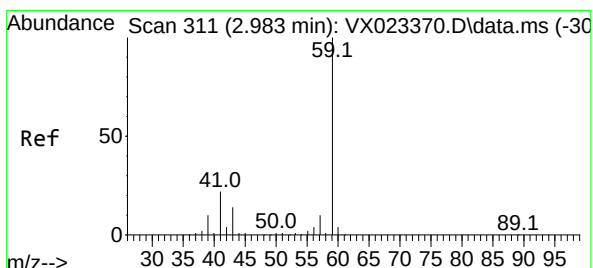
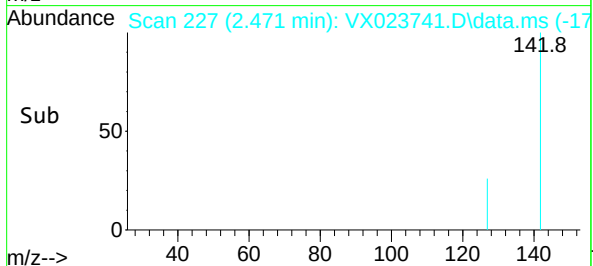
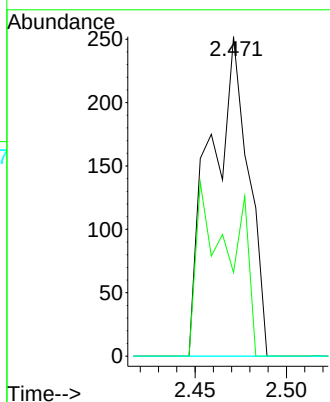


#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Instrument :
MSVOA_X
ClientSampleId :

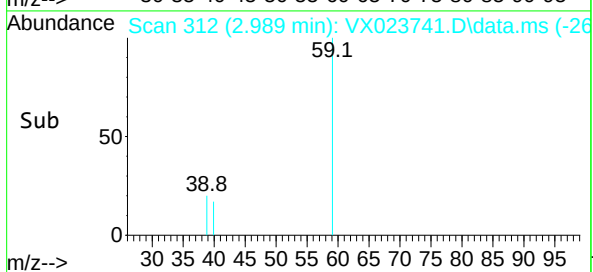
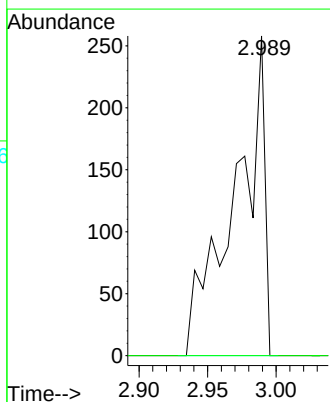
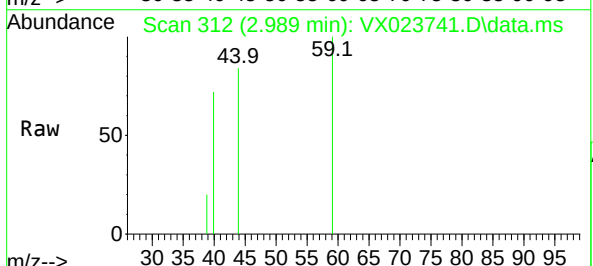


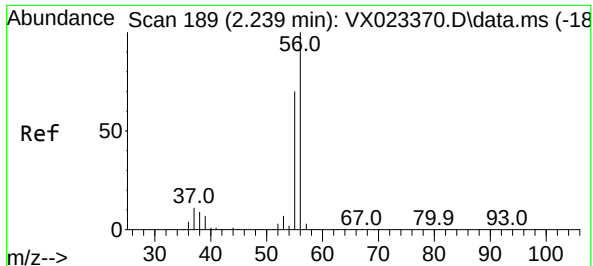
Tgt Ion:142 Resp: 365
Ion Ratio Lower Upper
142 100
127 50.4 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.954 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.006 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

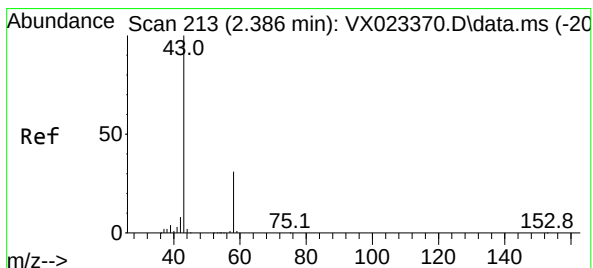
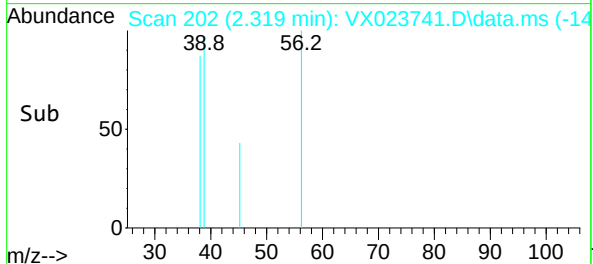
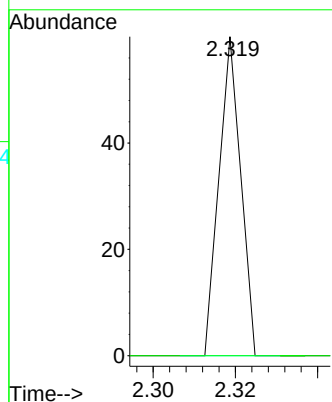
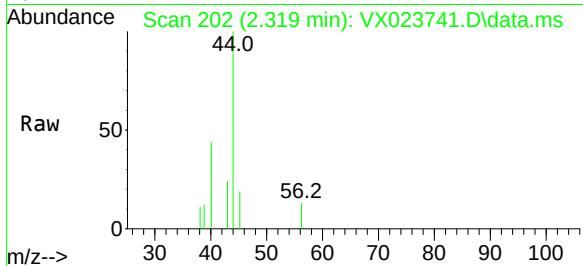




#13
Acrolein
Concen: 1.469 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.080 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

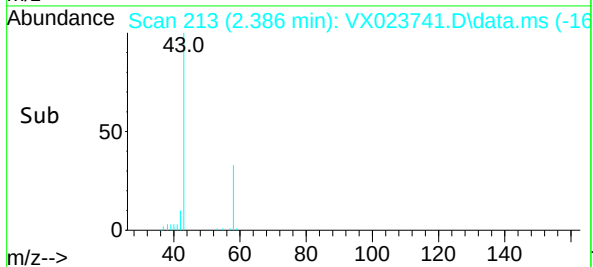
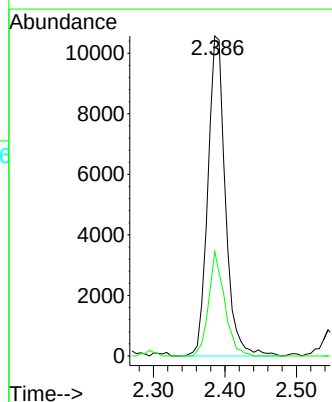
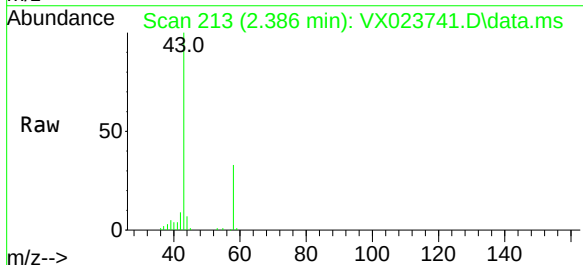
Instrument :
MSVOA_X
ClientSampled :

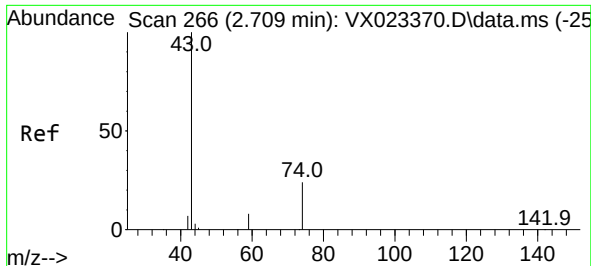
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 20.551 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 43 Resp: 17999
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8

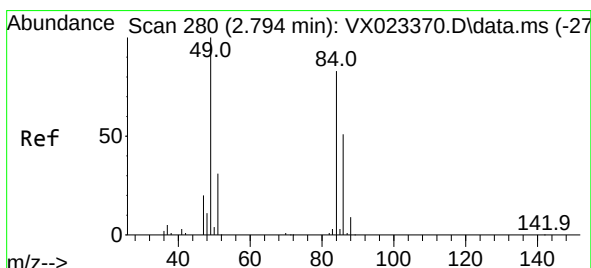
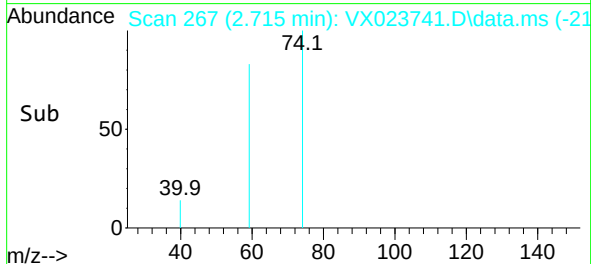
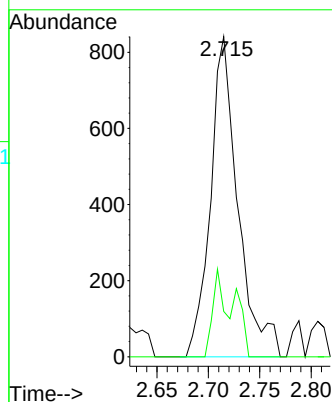
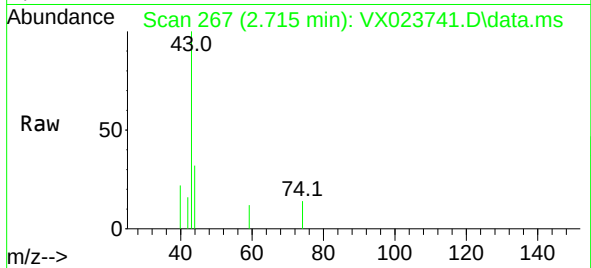




#18
Methyl Acetate
Concen: 0.750 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

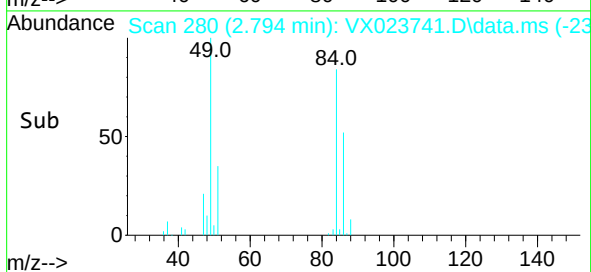
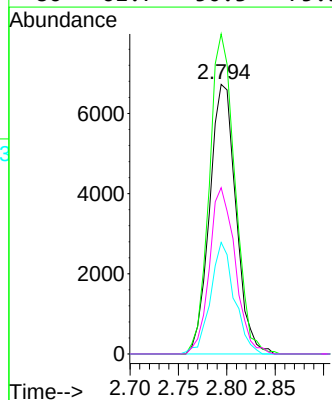
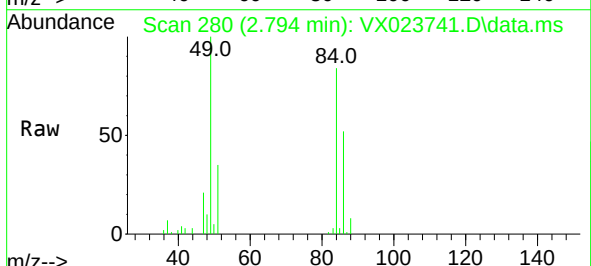
Instrument :
MSVOA_X
ClientSampled :

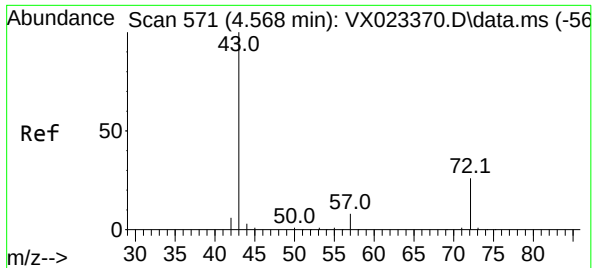
Tgt Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
74 12.7 21.9 32.9#



#20
Methylene Chloride
Concen: 7.463 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 84 Resp: 12715
Ion Ratio Lower Upper
84 100
49 118.7 88.6 132.8
51 41.4 27.0 40.6#
86 61.7 50.3 75.5

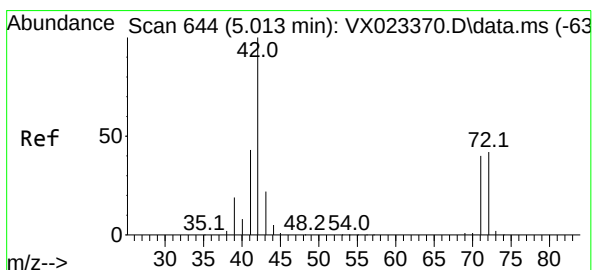
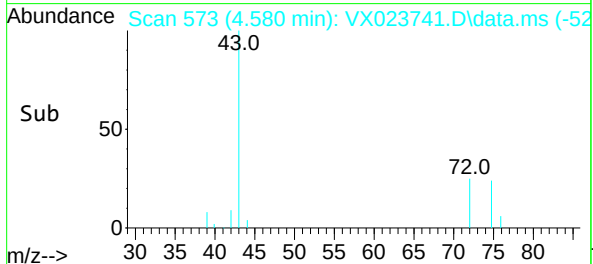
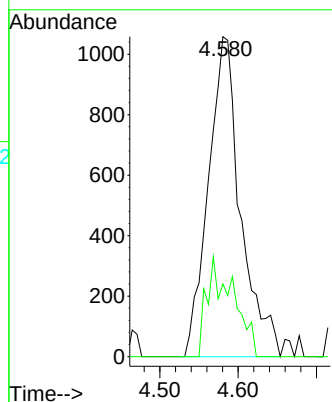
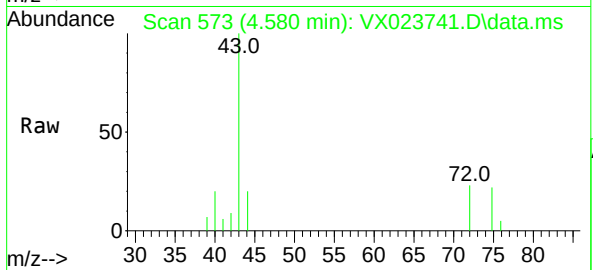




#25
2-Butanone
Concen: 2.223 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

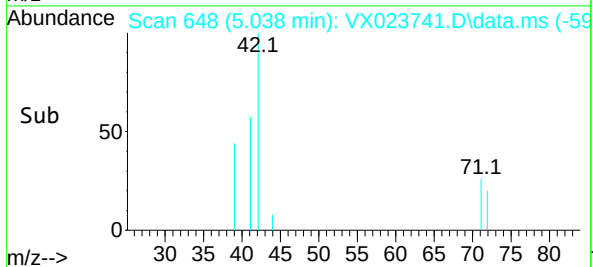
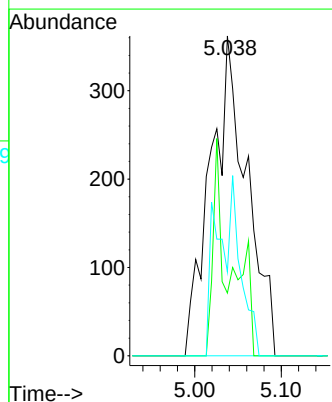
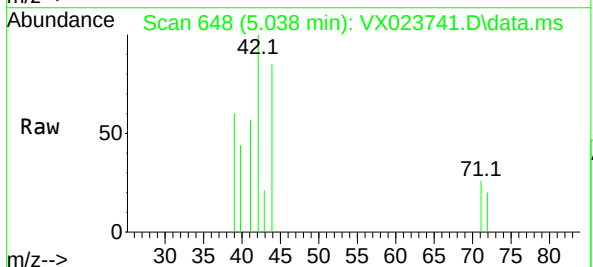
Instrument :
MSVOA_X
ClientSampled :

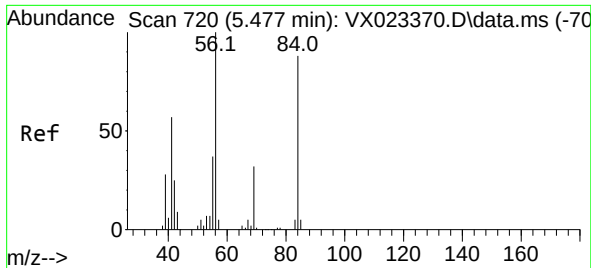
Tgt Ion: 43 Resp: 3023
Ion Ratio Lower Upper
43 100
72 22.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.185 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

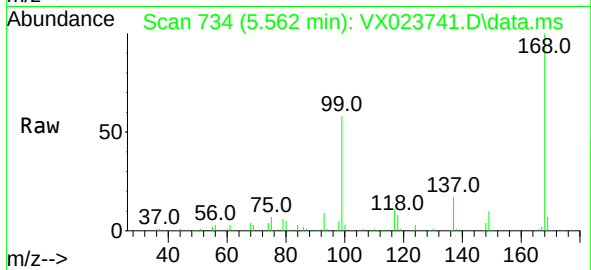
Tgt Ion: 42 Resp: 1056
Ion Ratio Lower Upper
42 100
72 16.8 41.7 62.5#
71 18.5 38.4 57.6#



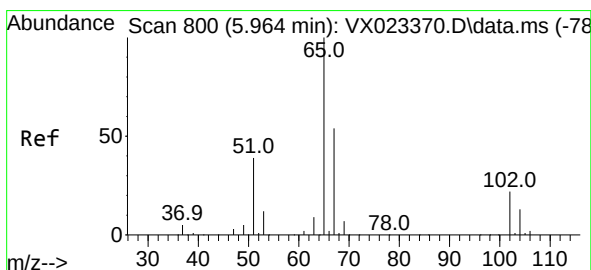
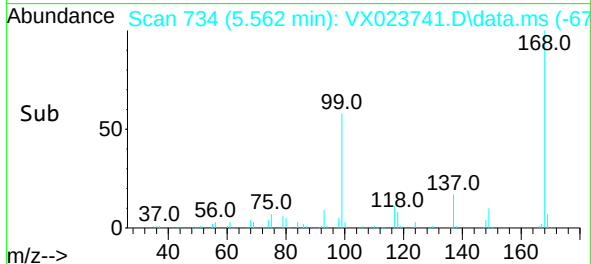
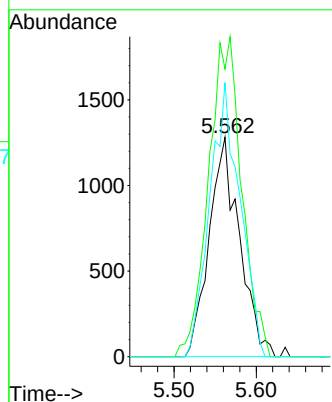


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Instrument :
MSVOA_X
ClientSampleId :

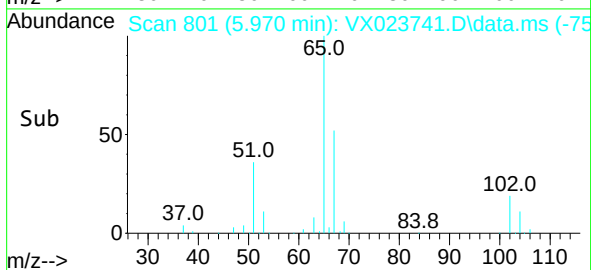
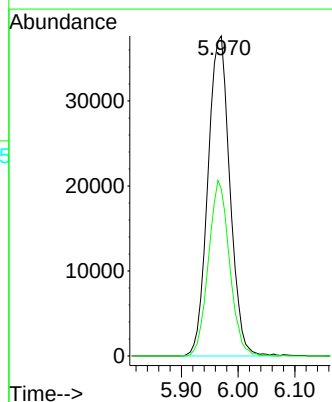
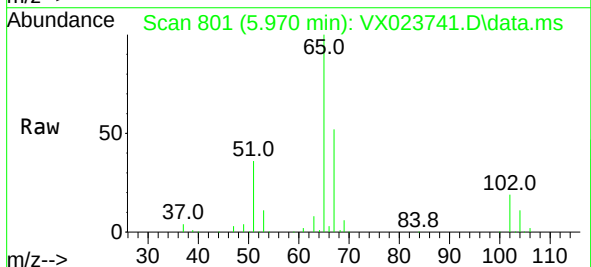


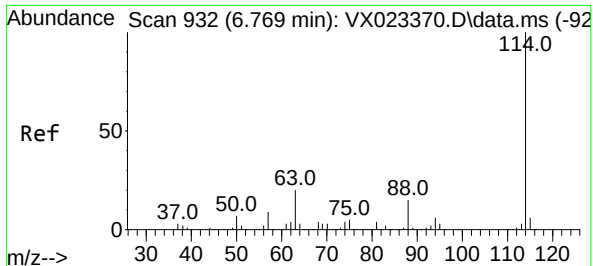
Tgt Ion: 56 Resp: 3290
Ion Ratio Lower Upper
56 100
69 131.1 25.3 37.9#
84 125.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.725 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 65 Resp: 101280
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.4

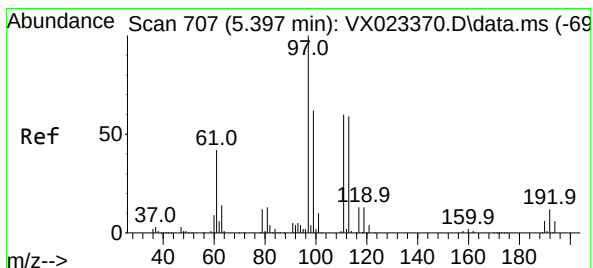
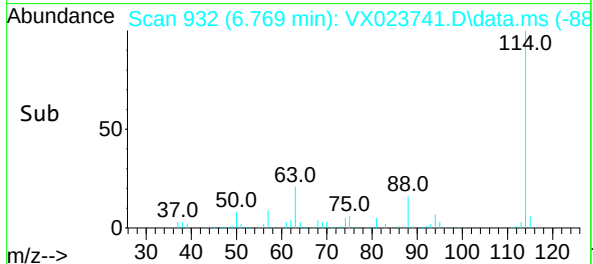
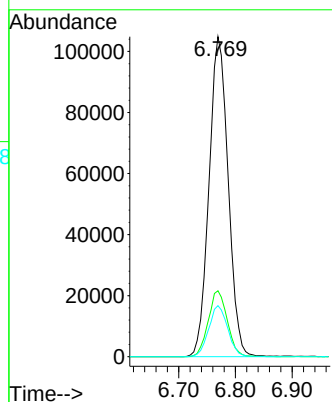
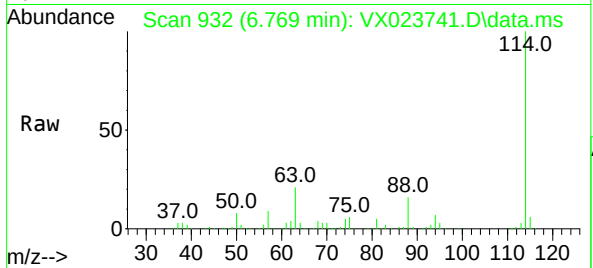




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

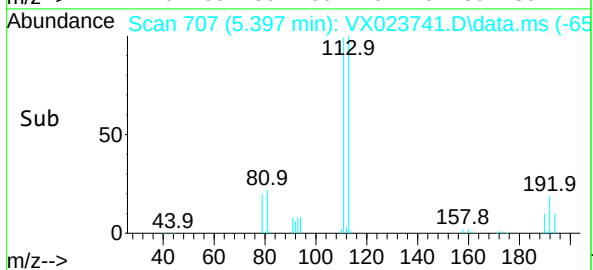
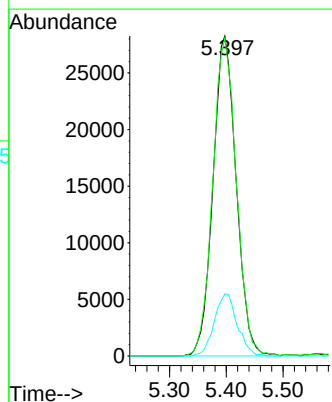
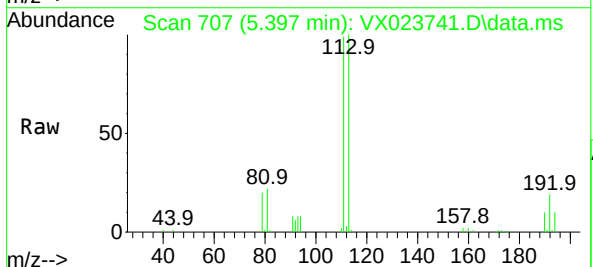
Instrument :
MSVOA_X
ClientSampleId :

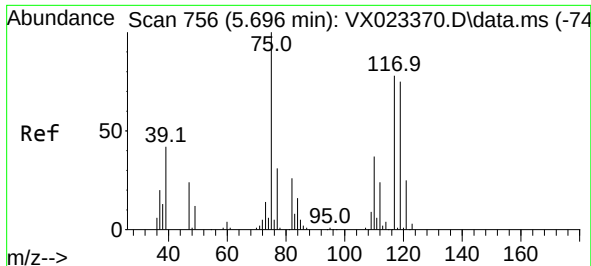
Tgt Ion:114 Resp: 245828
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.194 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion:113 Resp: 80224
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 19.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023741.D

Acq: 16 Aug 2021 16:24

Tgt Ion: 75 Resp: 11008

Ion Ratio Lower Upper

75 100

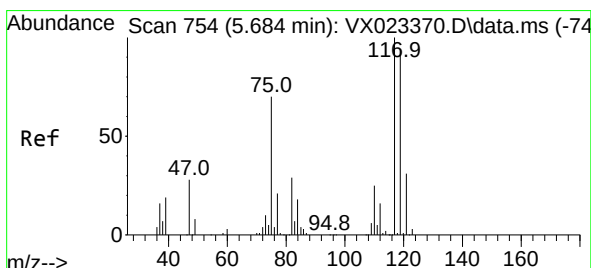
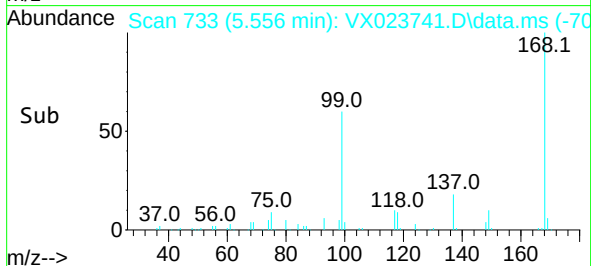
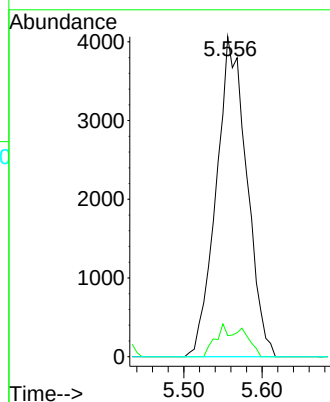
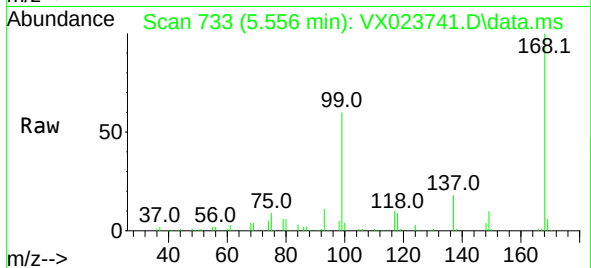
110 5.1 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.370 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023741.D

Acq: 16 Aug 2021 16:24

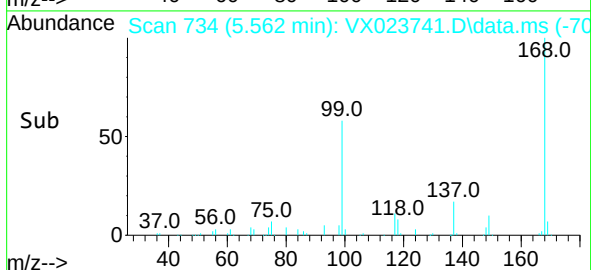
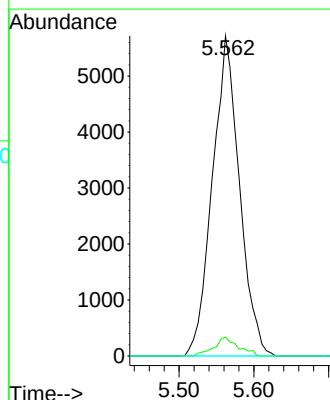
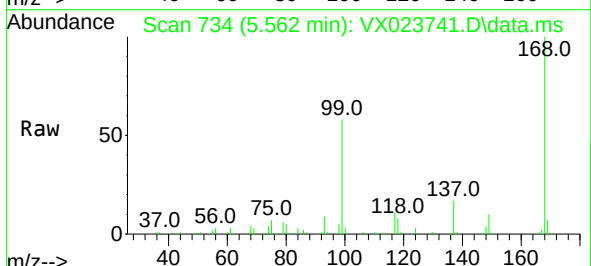
Tgt Ion: 117 Resp: 14405

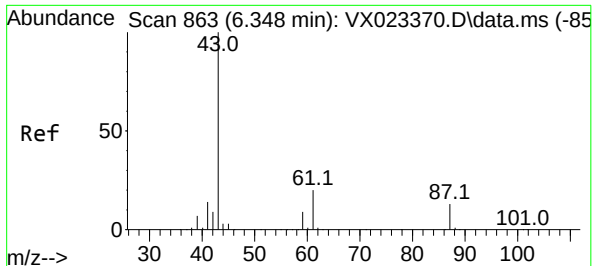
Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.2#

121 0.0 24.8 37.2#

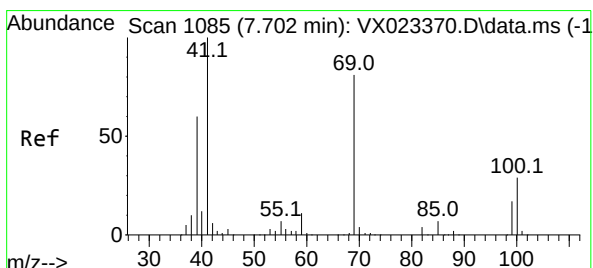
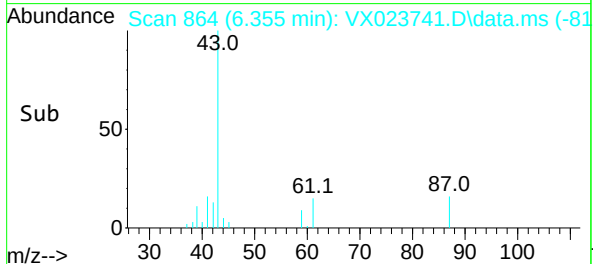
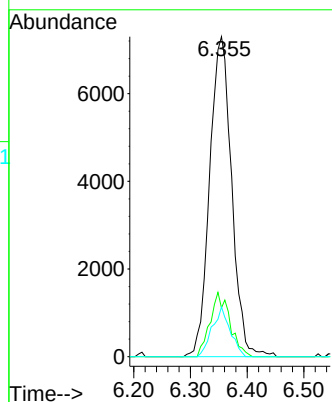
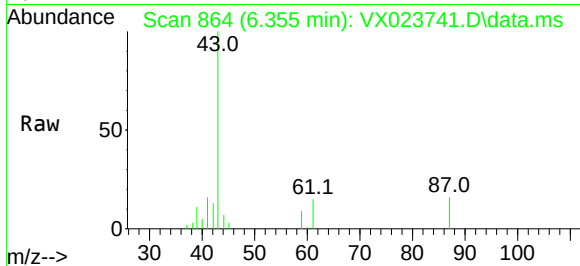




#43
Isopropyl Acetate
Concen: 4.527 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

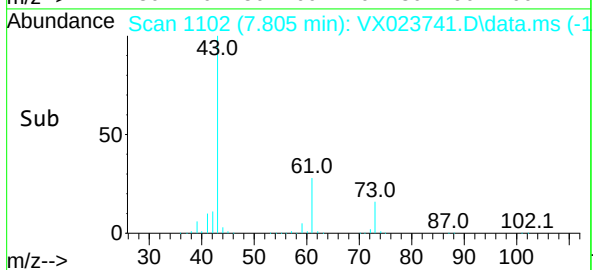
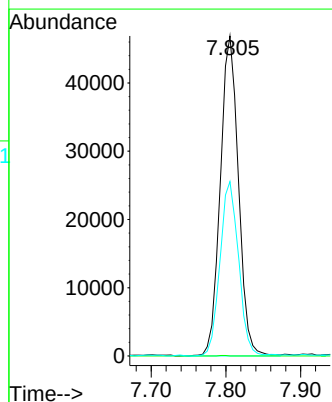
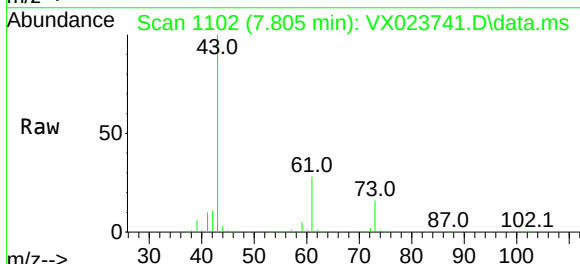
Instrument :
MSVOA_X
ClientSampled :

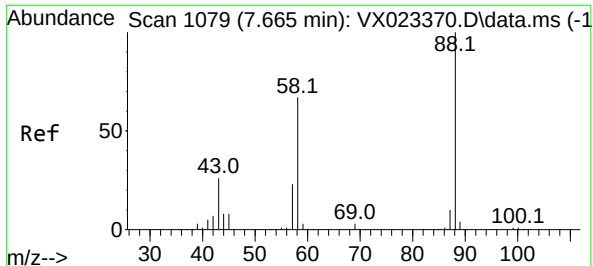
Tgt Ion: 43 Resp: 19667
Ion Ratio Lower Upper
43 100
61 18.1 18.2 27.4#
87 12.7 12.5 18.7



#48
Methyl methacrylate
Concen: 39.435 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 41 Resp: 79350
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 56.1 44.6 67.0





#49

1,4-Dioxane

Concen: 1.074 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023741.D

Acq: 16 Aug 2021 16:24

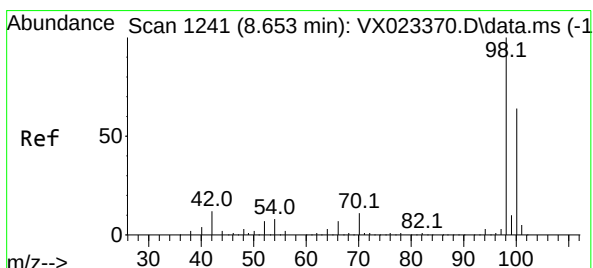
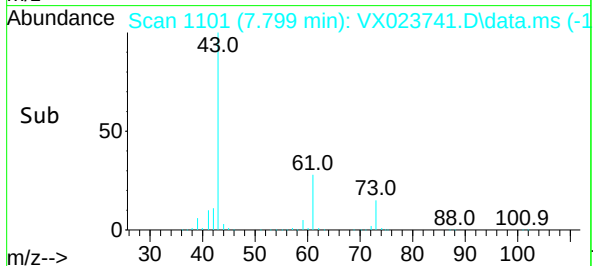
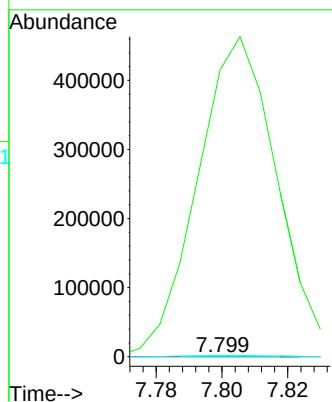
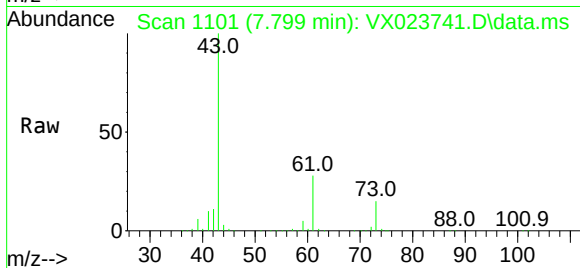
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 1706497.8 23.2 34.8#

58 7680.4 55.0 82.4#



#50

Toluene-d8

Concen: 54.304 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023741.D

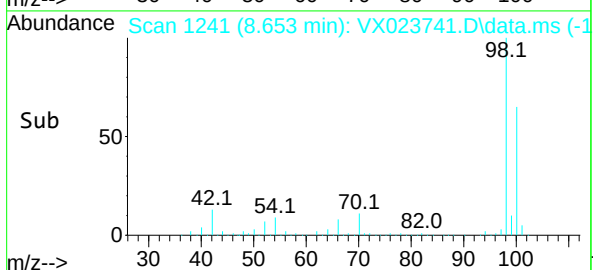
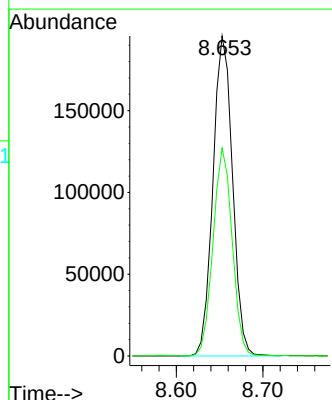
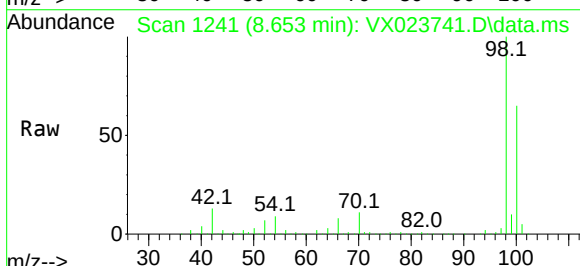
Acq: 16 Aug 2021 16:24

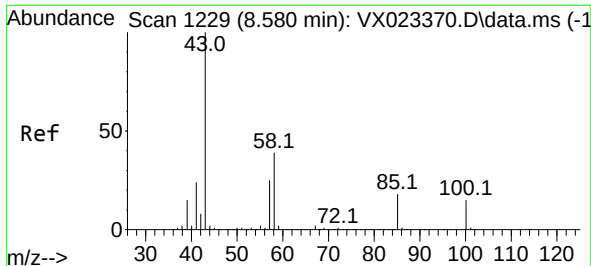
Tgt Ion: 98 Resp: 306656

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

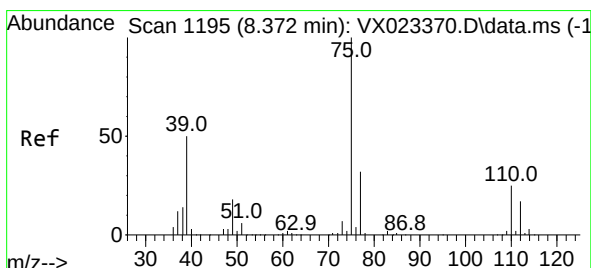
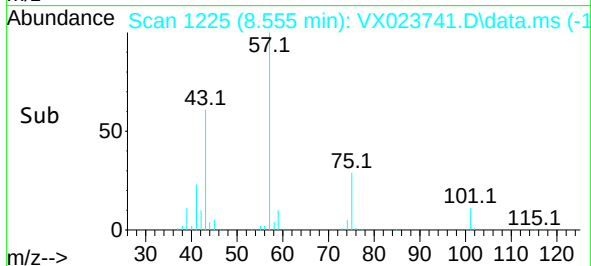
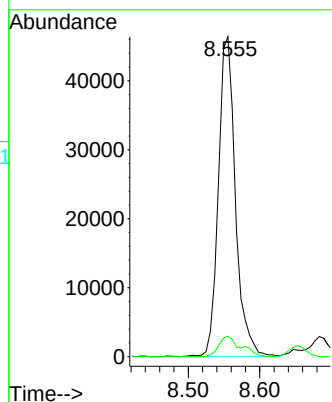
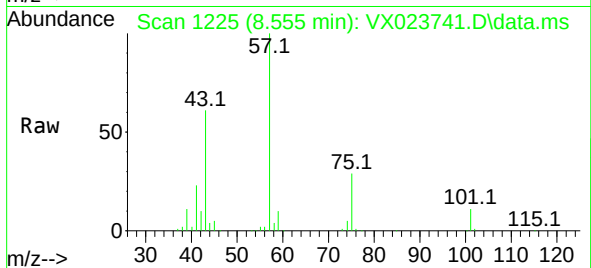




#51
4-Methyl-2-Pentanone
Concen: 28.979 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

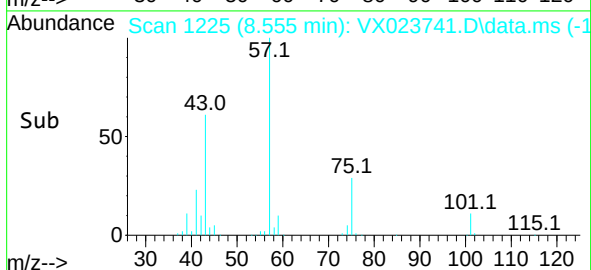
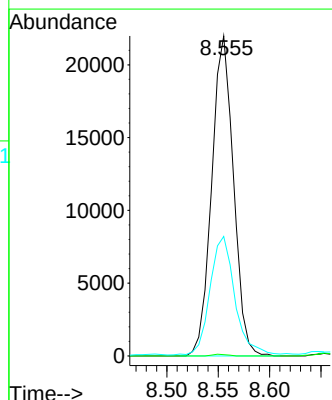
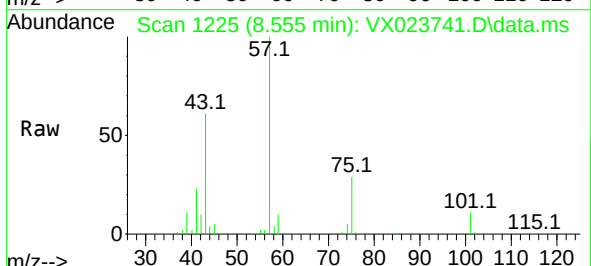
Instrument :
MSVOA_X
ClientSampled :

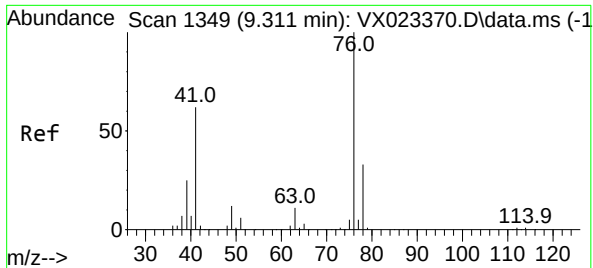
Tgt Ion: 43 Resp: 77010
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.162 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 75 Resp: 32326
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 36.7 35.1 52.7



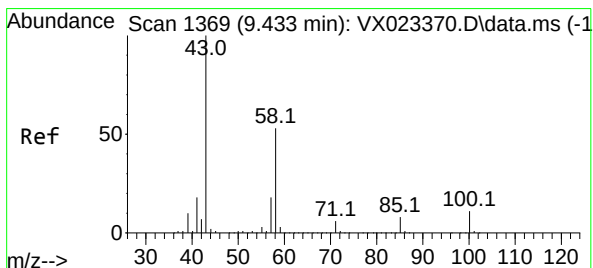
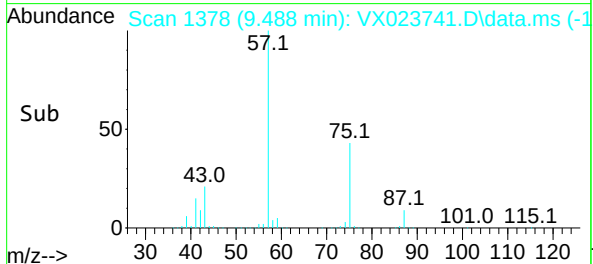
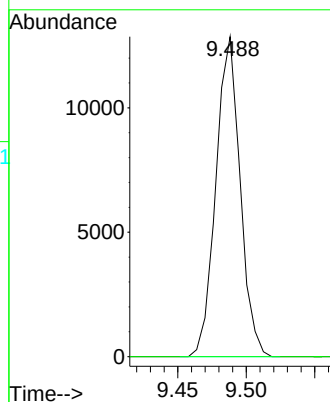
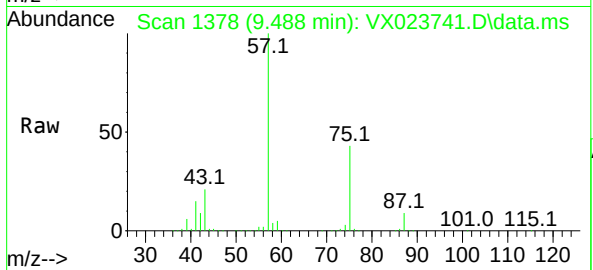


#57

1,3-Dichloropropane
Concen: 5.620 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Instrument :
MSVOA_X
ClientSampled :

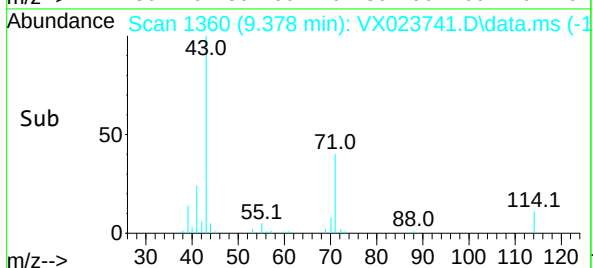
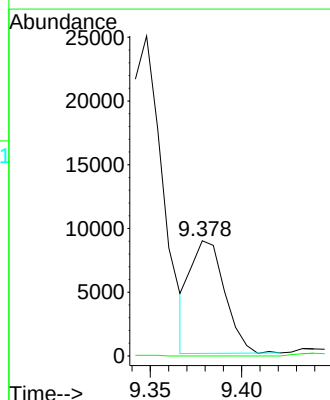
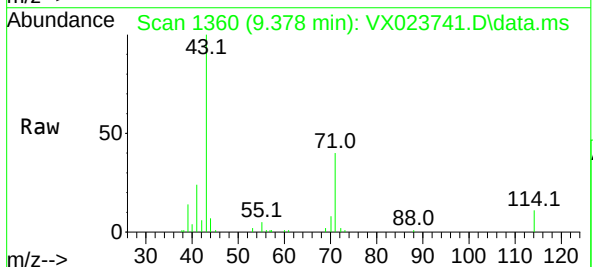
Tgt Ion: 76 Resp: 15797
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

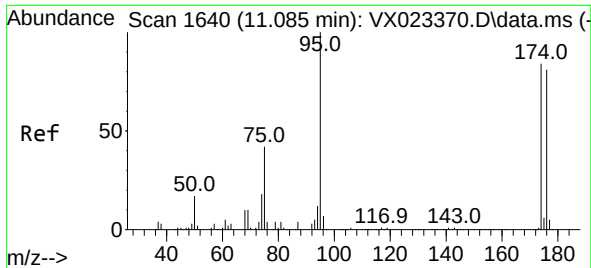


#59

2-Hexanone
Concen: 5.728 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 43 Resp: 11560
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

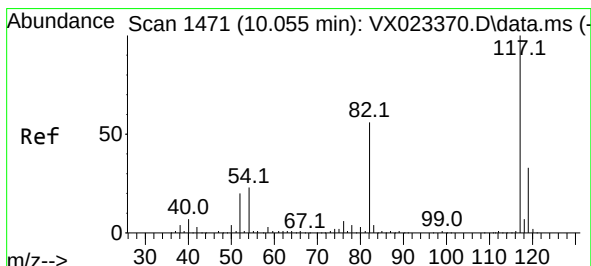
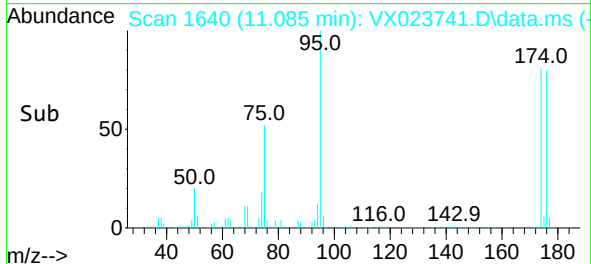
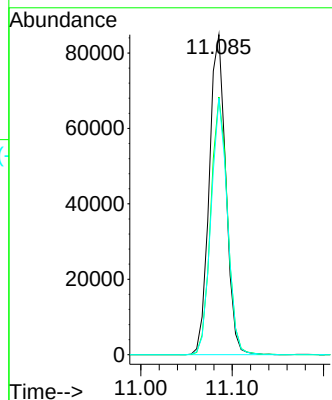
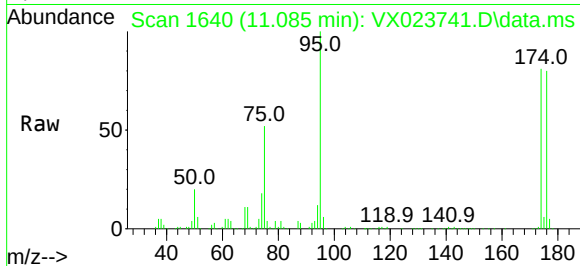




#62
4-Bromofluorobenzene
Concen: 55.556 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

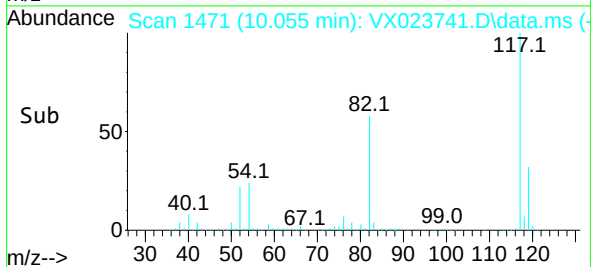
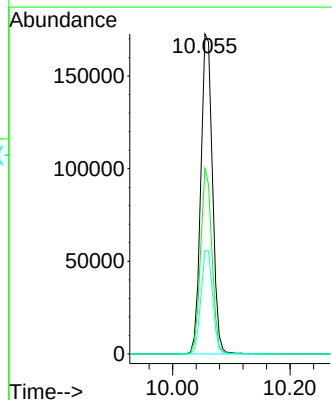
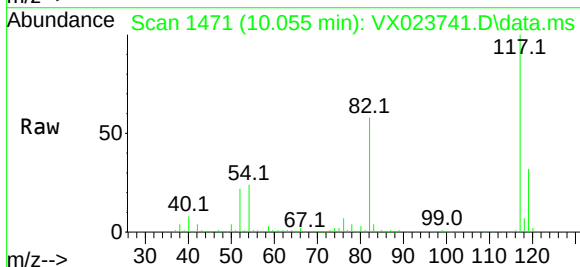
Instrument :
MSVOA_X
ClientSampleId :

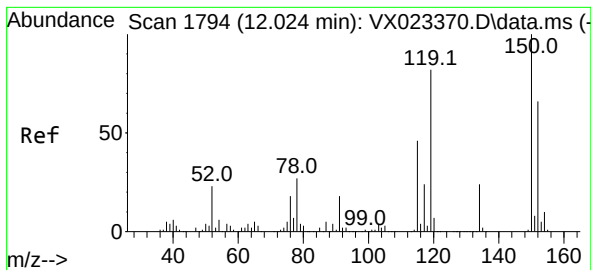
Tgt Ion: 95 Resp: 106680
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.6
176 79.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023741.D
Acq: 16 Aug 2021 16:24

Tgt Ion: 117 Resp: 236919
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.3 26.6 39.8

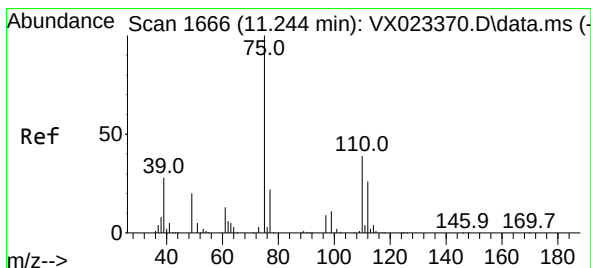
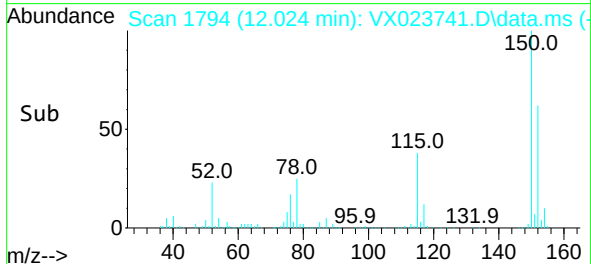
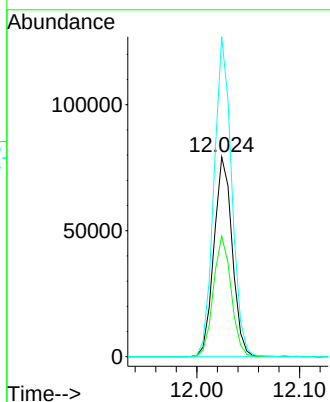
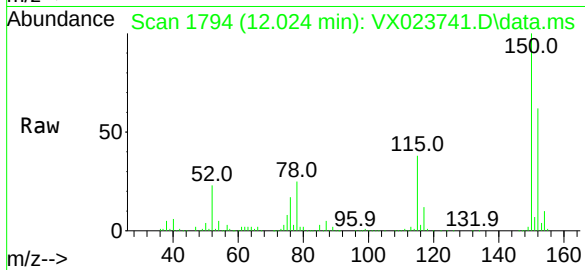




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023741.D
 Acq: 16 Aug 2021 16:24

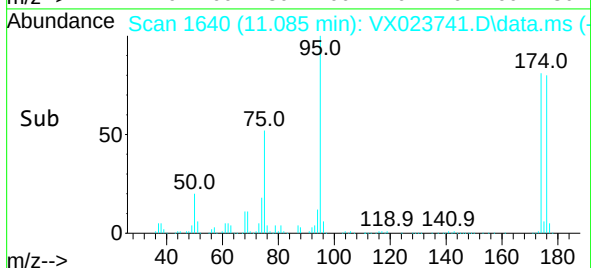
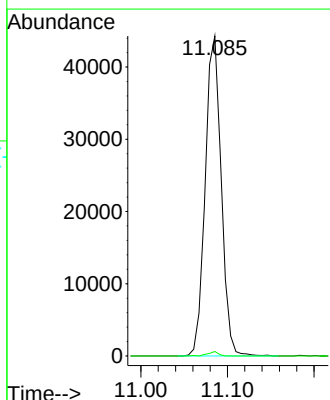
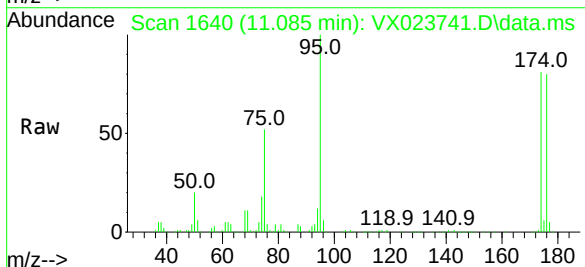
Instrument :
 MSVOA_X
 ClientSampled :

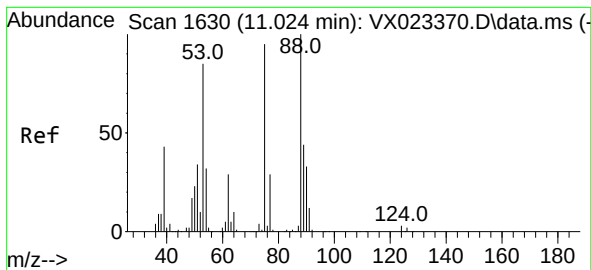
Tgt Ion:152 Resp: 97744
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 155.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.439 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023741.D
 Acq: 16 Aug 2021 16:24

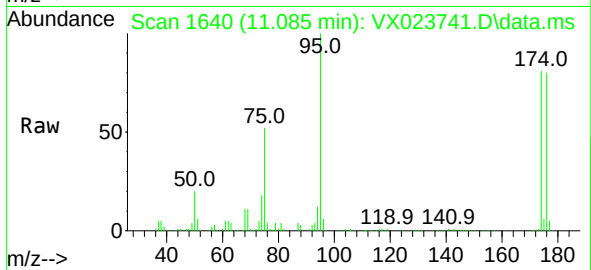
Tgt Ion: 75 Resp: 56868
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.091 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023741.D
 Acq: 16 Aug 2021 16:24

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 56868
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

