

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023692.D
 Acq On : 13 Aug 2021 15:50
 Operator : JC/MD
 Sample : PB138358ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:26:34 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)

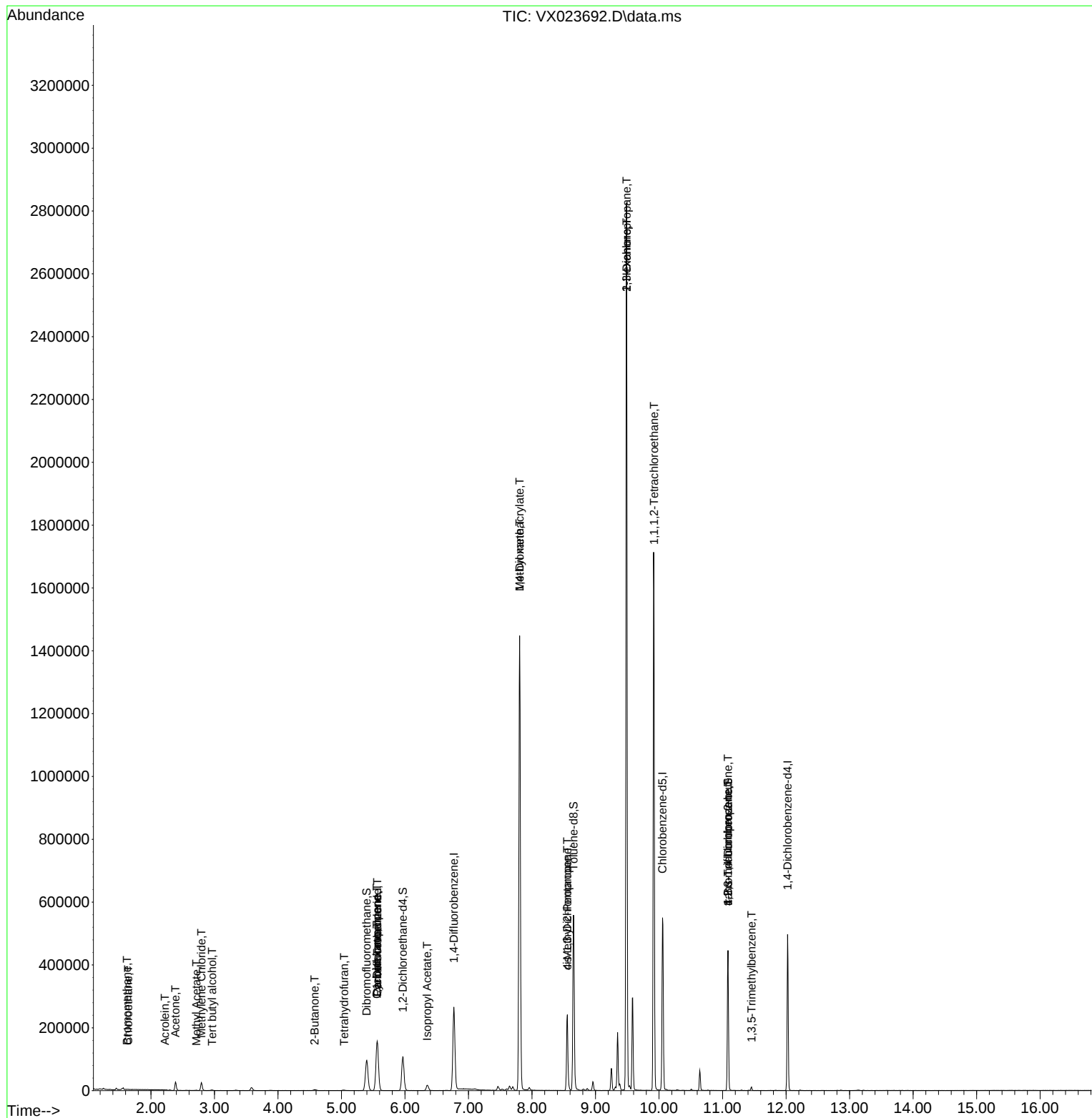
Internal Standards						
1) Pentafluorobenzene	5.562	168	148553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	256264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104869	56.592	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 113.180%		
35) Dibromofluoromethane	5.397	113	82127	51.256	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.520%		
50) Toluene-d8	8.653	98	323064	54.879	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.760%		
62) 4-Bromofluorobenzene	11.085	95	109755	54.829	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.660%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	324	0.339	ug/l	84
6) Chloroethane	1.642	64	250	0.253	ug/l #	43
11) Tert butyl alcohol	2.965	59	1543	3.645	ug/l #	73
13) Acrolein	2.221	56	44	1.567	ug/l #	42
16) Acetone	2.386	43	28325	31.160	ug/l	92
18) Methyl Acetate	2.715	43	1551	0.718	ug/l #	80
20) Methylene Chloride	2.794	84	10668	6.033	ug/l #	80
25) 2-Butanone	4.574	43	4510	3.196	ug/l #	84
29) Tetrahydrofuran	5.044	42	1632	1.764	ug/l #	76
31) Cyclohexane	5.556	56	3468	1.263	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11517	4.968	ug/l #	48
38) Carbon Tetrachloride	5.562	117	15105	6.407	ug/l #	16
43) Isopropyl Acetate	6.348	43	23056	5.091	ug/l	93
48) Methyl methacrylate	7.805	41	130158	62.051	ug/l #	38
49) 1,4-Dioxane	7.805	88	234	5.239	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83953	30.305	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	36342	13.116	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	23167	7.907	ug/l #	43
59) 2-Hexanone	9.488	43	331574	157.618	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.921	131	28	0.989	ug/l #	8
76) 1,2,3-Trichloropropane	11.085	75	59897	27.768	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4523	0.751	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	59897	74.665	ug/l #	12

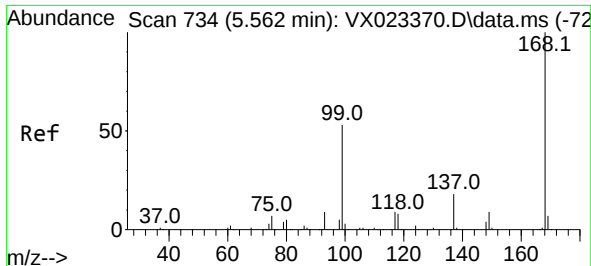
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
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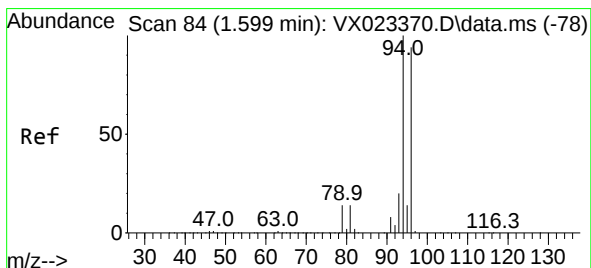
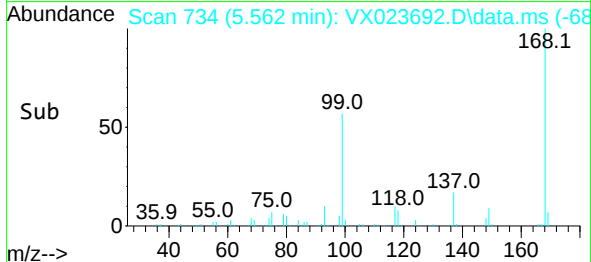
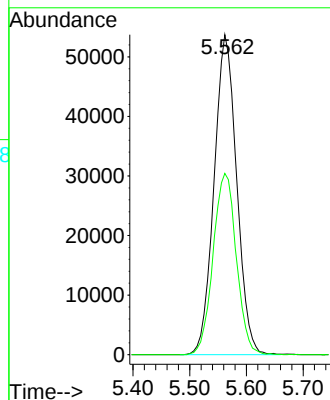
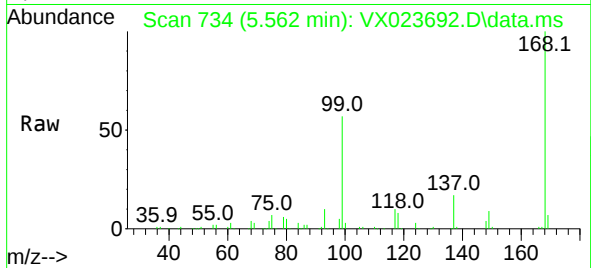




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

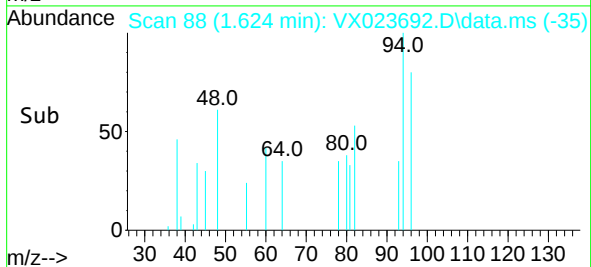
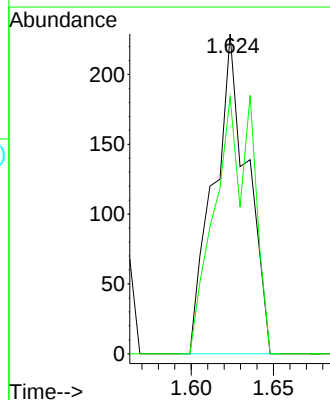
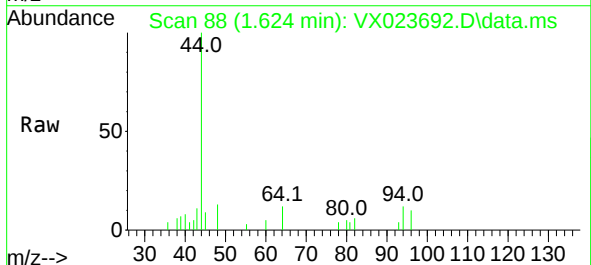
Instrument :
MSVOA_X
ClientSampled :

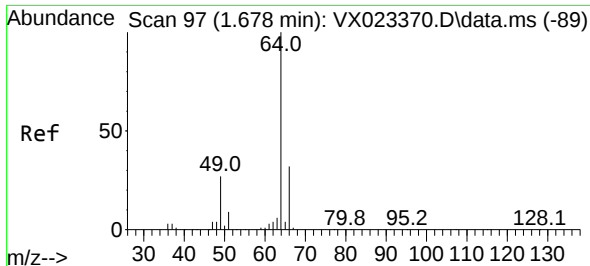
Tgt Ion:168 Resp: 148553
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#5
Bromomethane
Concen: 0.339 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 80.3 76.4 114.6

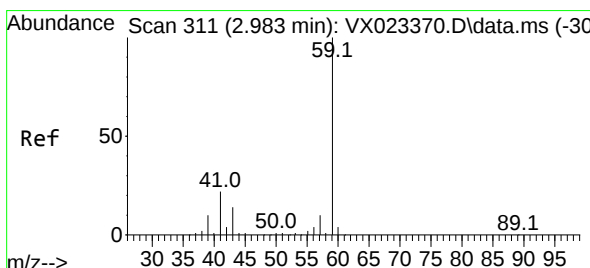
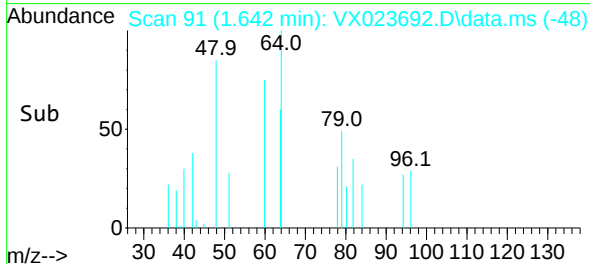
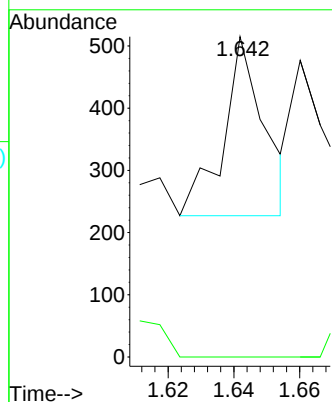
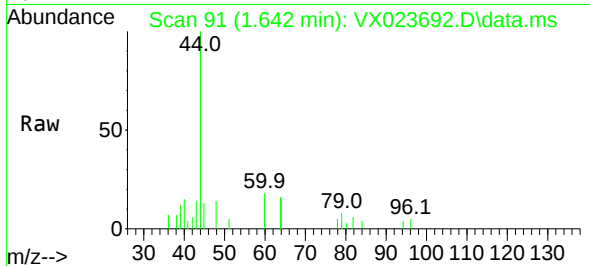




#6
Chloroethane
Concen: 0.253 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

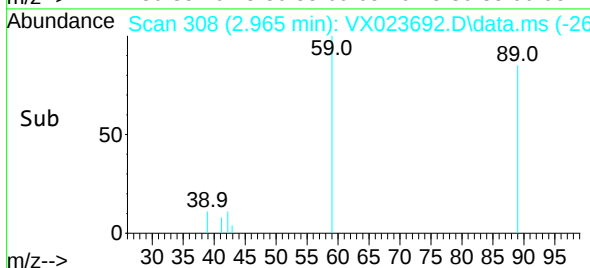
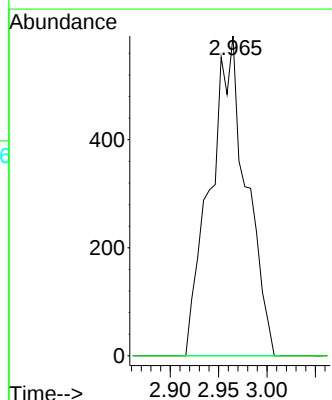
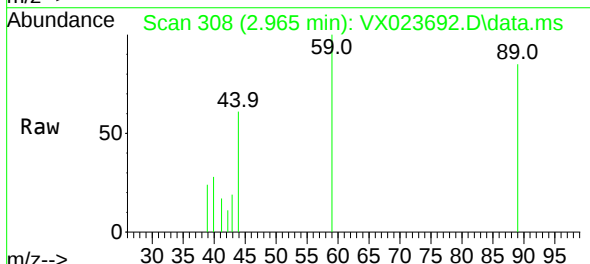
Instrument :
MSVOA_X
ClientSampled :

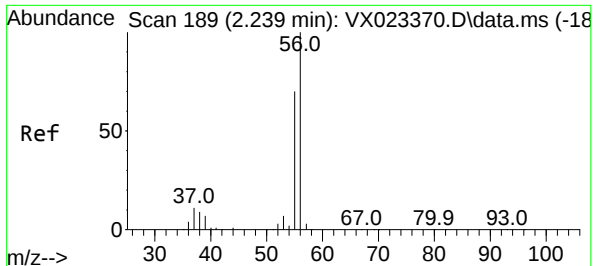
Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.645 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 59 Resp: 1543
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 1.567 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX023692.D

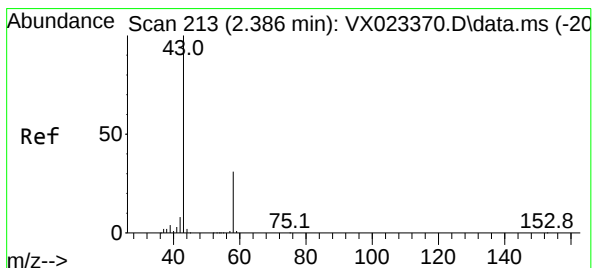
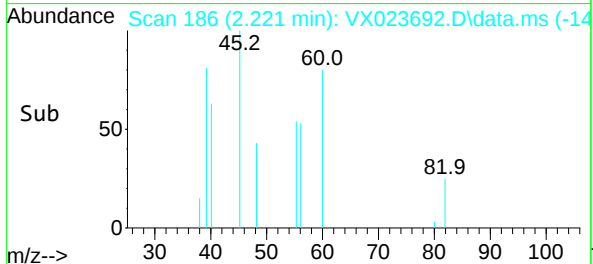
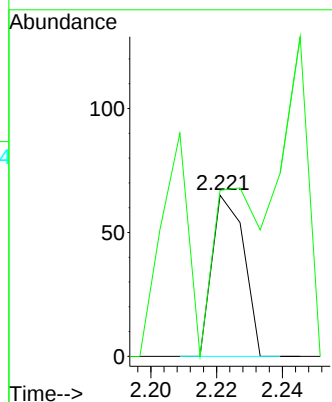
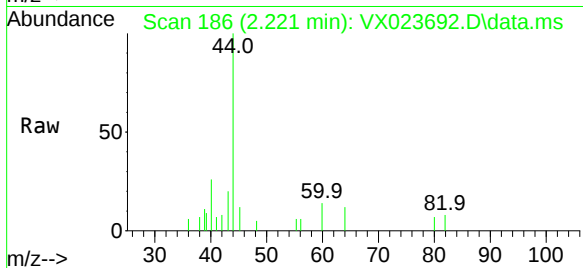
Acq: 13 Aug 2021 15:50

Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 118.2 56.4 84.6#



#16

Acetone

Concen: 31.160 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX023692.D

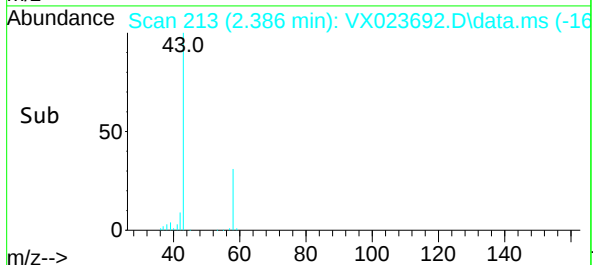
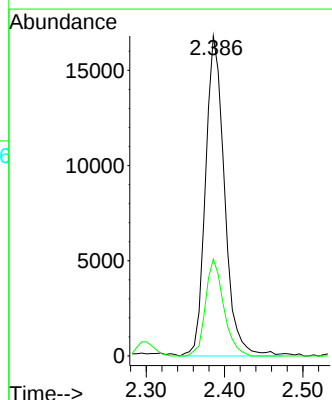
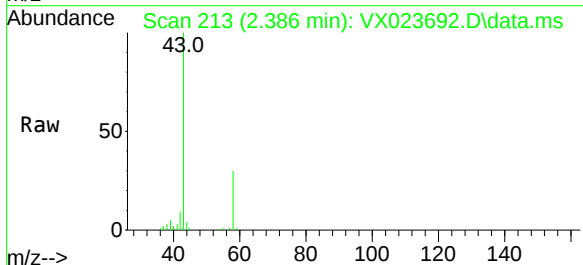
Acq: 13 Aug 2021 15:50

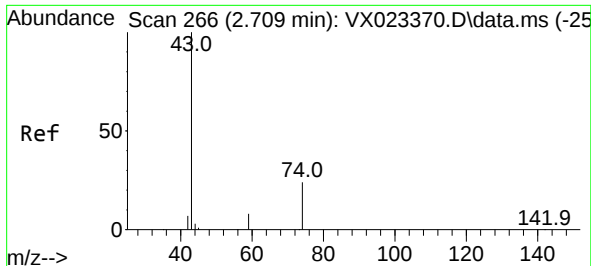
Tgt Ion: 43 Resp: 28325

Ion Ratio Lower Upper

43 100

58 30.3 27.8 41.8

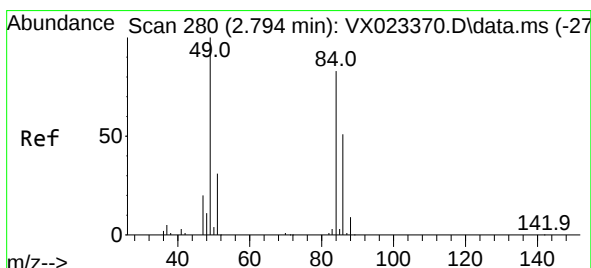
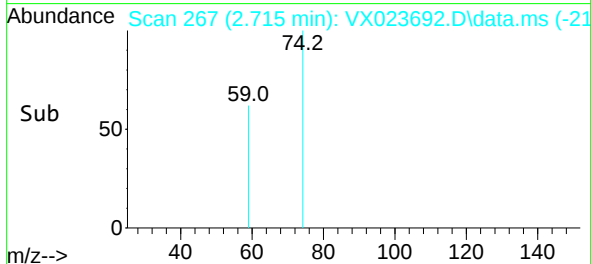
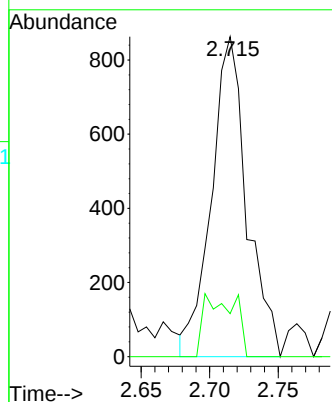
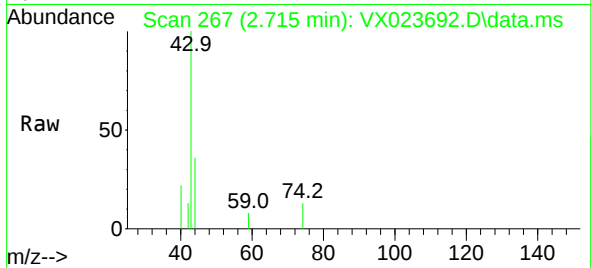




#18
Methyl Acetate
Concen: 0.718 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

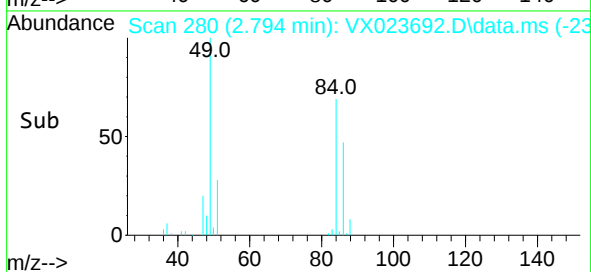
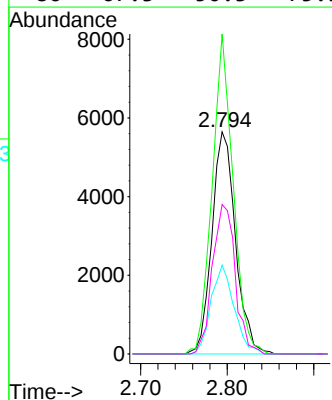
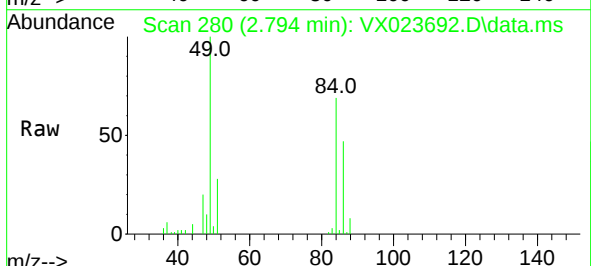
Instrument :
MSVOA_X
ClientSampled :

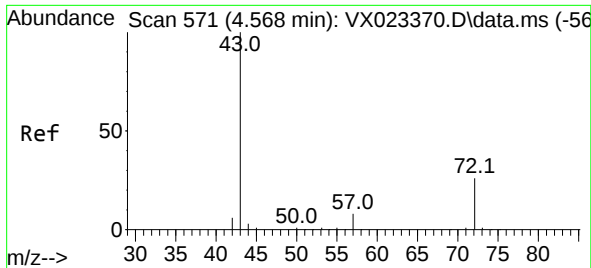
Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
74 17.1 21.9 32.9#



#20
Methylene Chloride
Concen: 6.033 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 84 Resp: 10668
Ion Ratio Lower Upper
84 100
49 144.1 88.6 132.8#
51 40.0 27.0 40.6
86 67.3 50.3 75.5

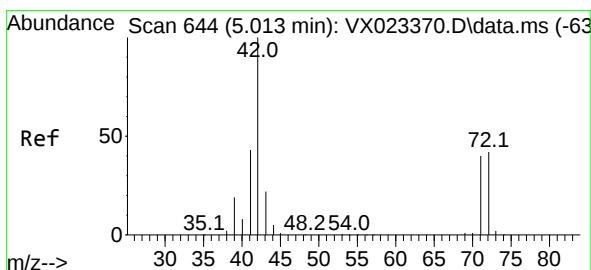
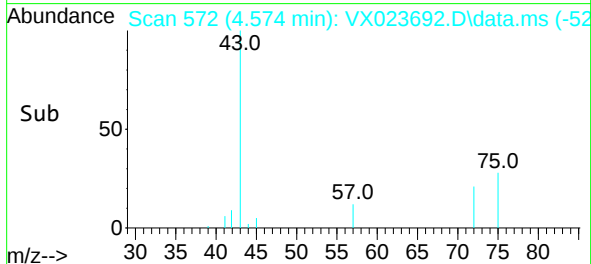
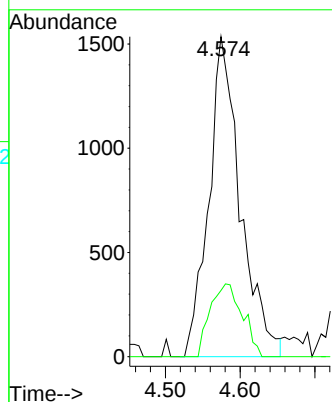
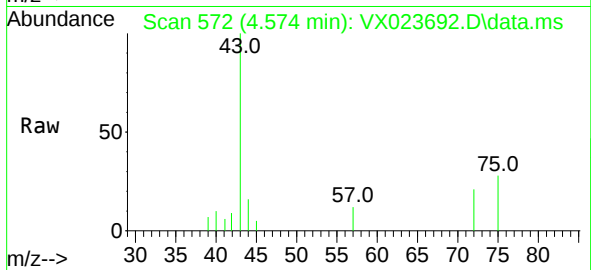




#25
2-Butanone
Concen: 3.196 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

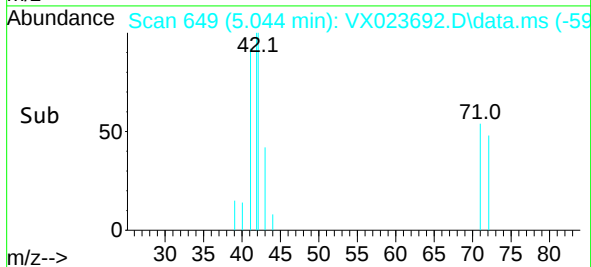
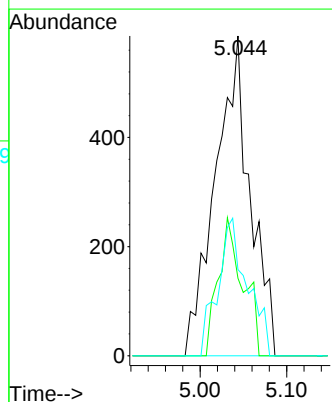
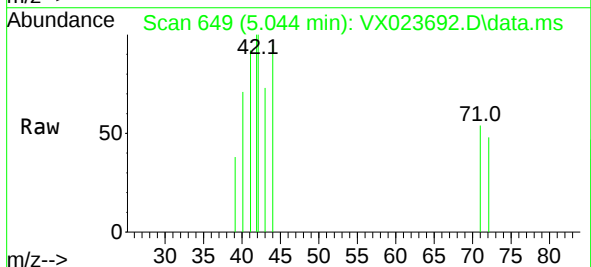
Instrument :
MSVOA_X
ClientSampled :

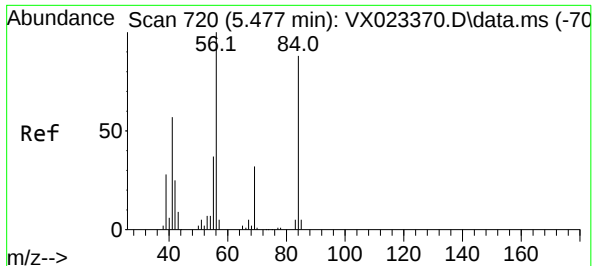
Tgt Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
72 20.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.764 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 42 Resp: 1632
Ion Ratio Lower Upper
42 100
72 30.6 41.7 62.5#
71 36.6 38.4 57.6#

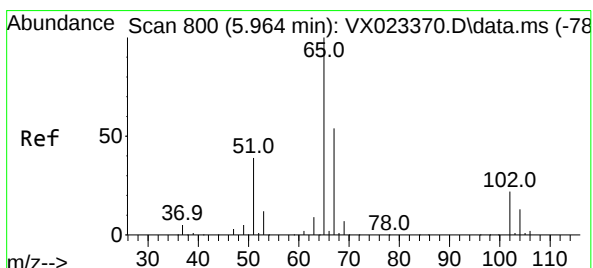
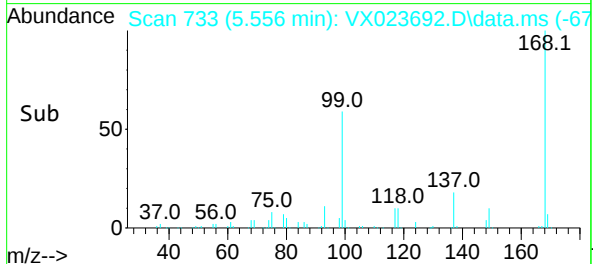
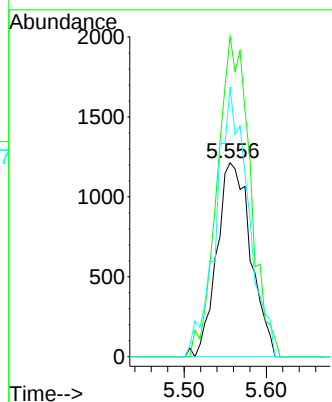
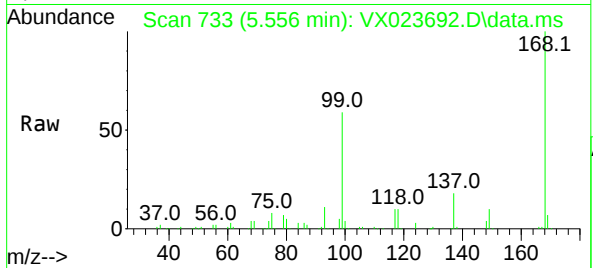




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

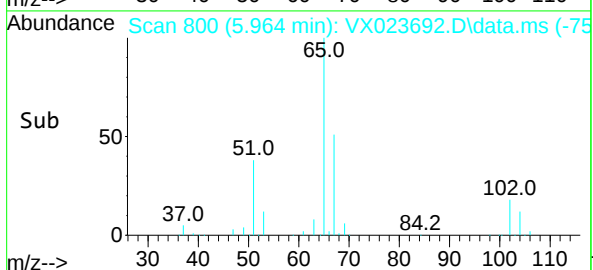
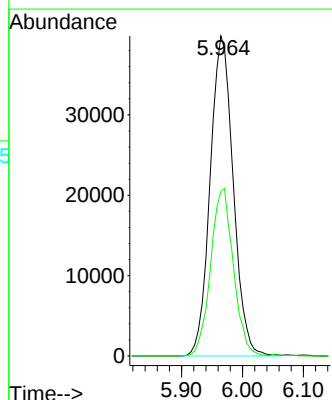
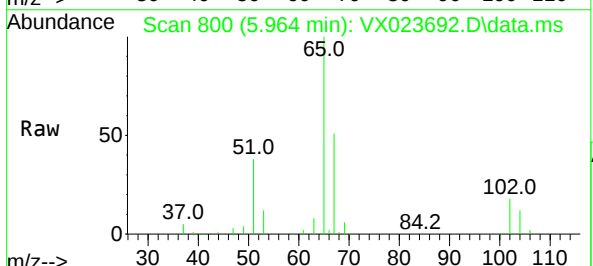
Instrument :
MSVOA_X
ClientSampleId :

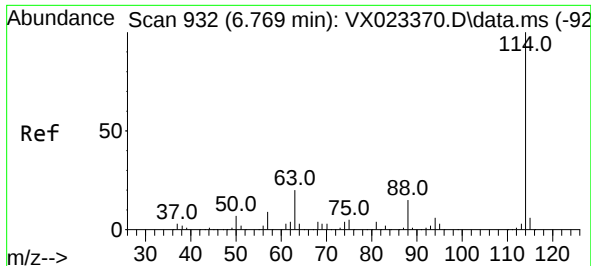
Tgt Ion: 56 Resp: 3468
Ion Ratio Lower Upper
56 100
69 165.0 25.3 37.9#
84 139.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.592 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 65 Resp: 104869
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

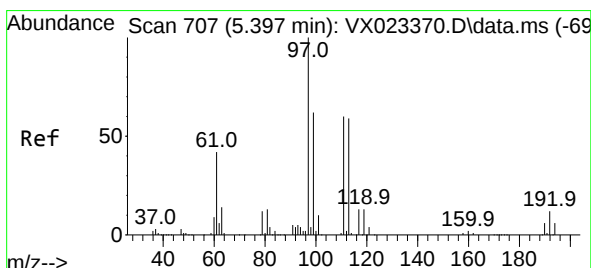
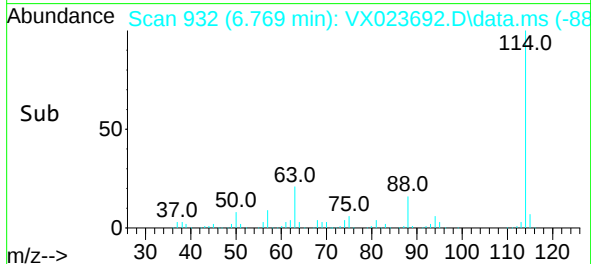
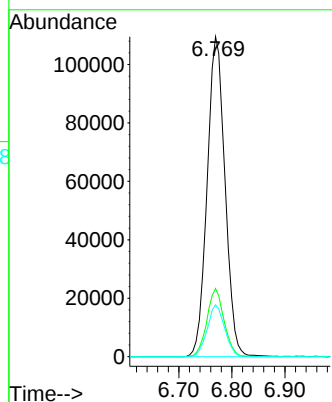
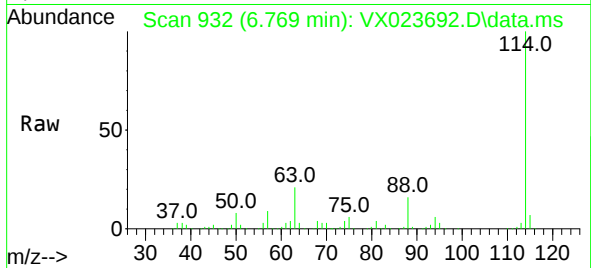




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

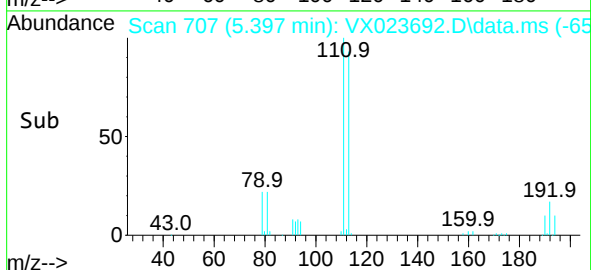
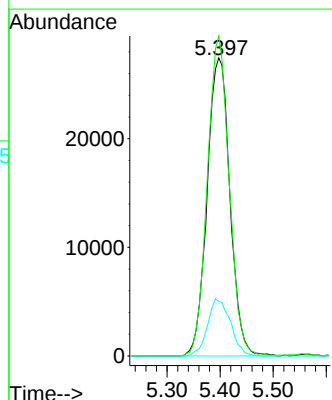
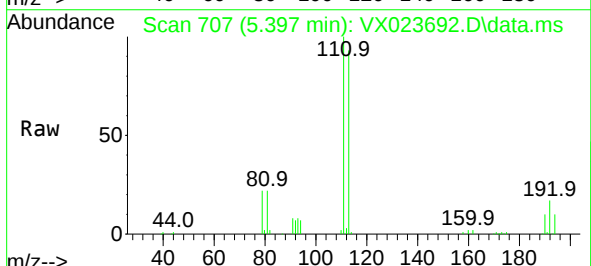
Instrument :
MSVOA_X
ClientSampled :

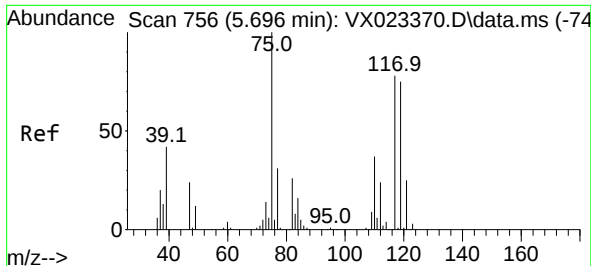
Tgt Ion:114 Resp: 256264
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.256 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion:113 Resp: 82127
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023692.D

Acq: 13 Aug 2021 15:50

Tgt Ion: 75 Resp: 11517

Ion Ratio Lower Upper

75 100

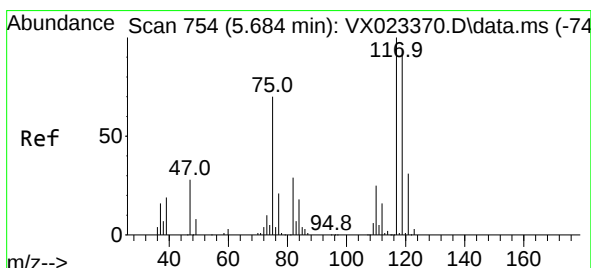
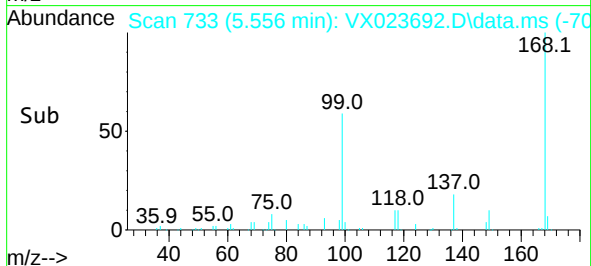
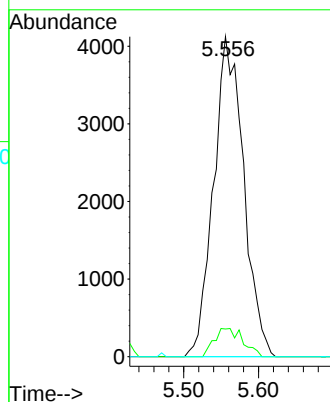
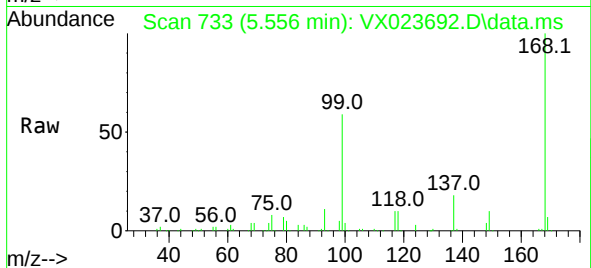
110 8.4 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.407 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023692.D

Acq: 13 Aug 2021 15:50

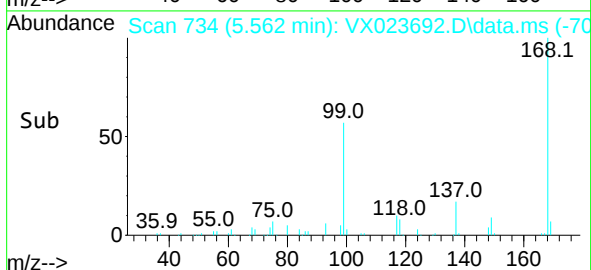
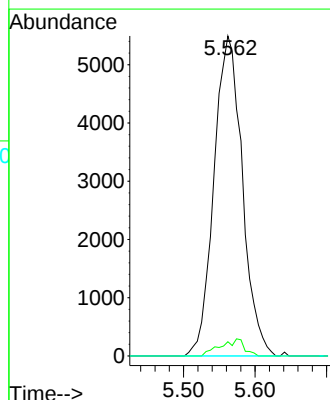
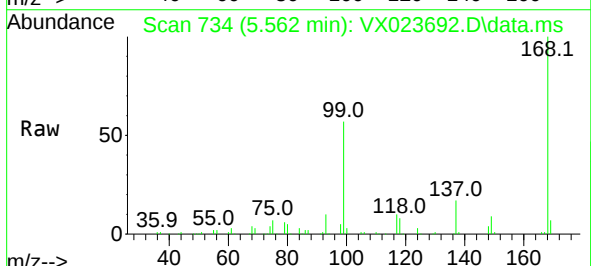
Tgt Ion: 117 Resp: 15105

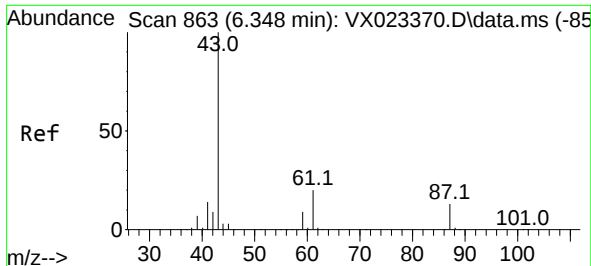
Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

121 0.0 24.8 37.2#

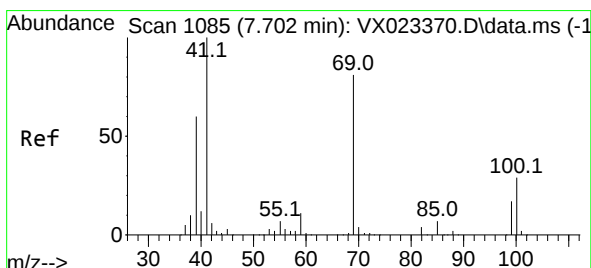
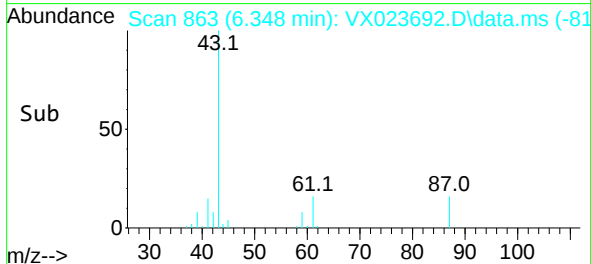
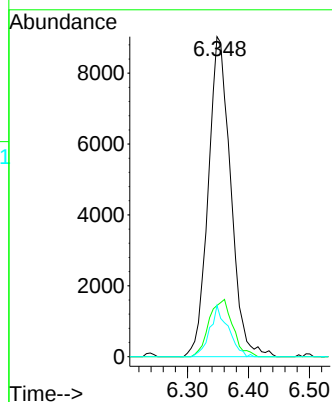
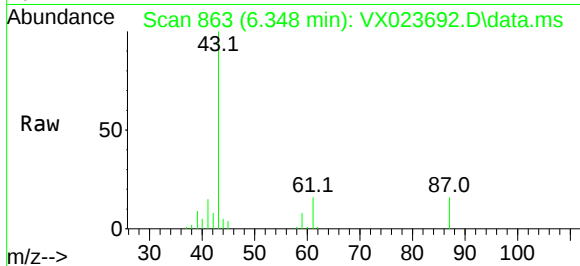




#43
Isopropyl Acetate
Concen: 5.091 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

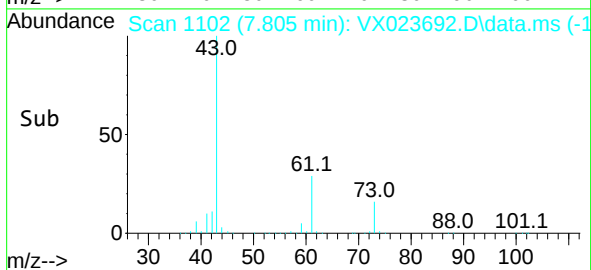
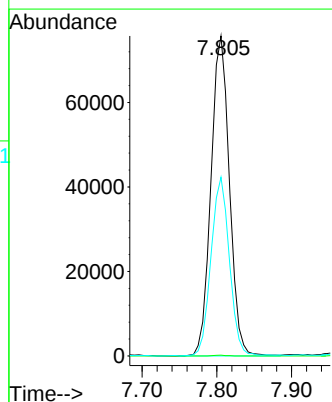
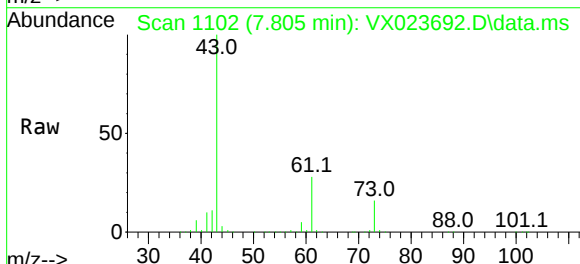
Instrument :
MSVOA_X
ClientSampled :

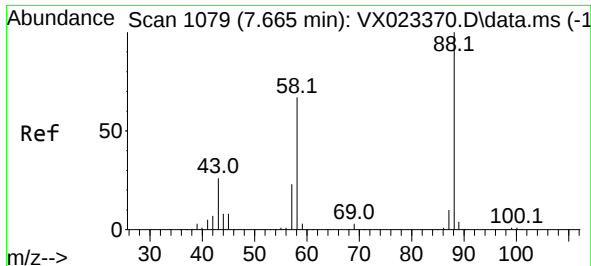
Tgt Ion:	43	Resp:	23056
Ion Ratio	Lower	Upper	
43	100		
61	18.9	18.2	27.4
87	13.1	12.5	18.7



#48
Methyl methacrylate
Concen: 62.051 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion:	41	Resp:	130158
Ion Ratio	Lower	Upper	
41	100		
69	0.2	76.0	114.0#
39	55.7	44.6	67.0





#49

1,4-Dioxane

Concen: 5.239 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023692.D

Acq: 13 Aug 2021 15:50

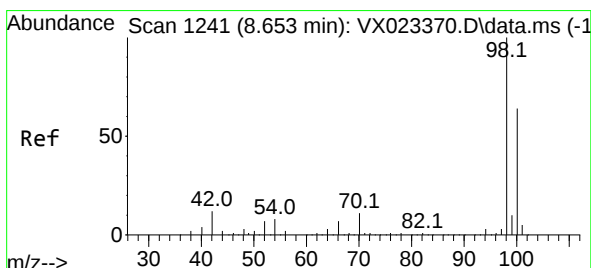
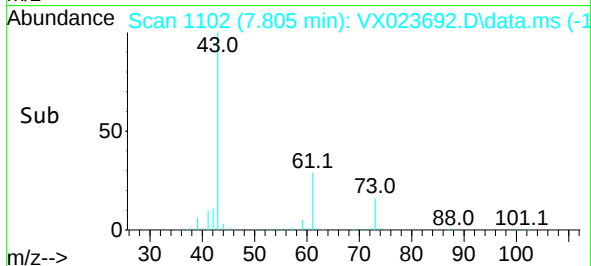
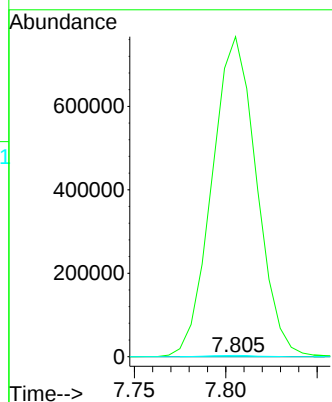
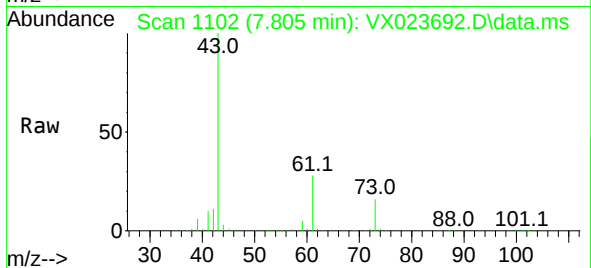
Tgt Ion: 88 Resp: 234

Ion Ratio Lower Upper

88 100

43 558683.8 23.2 34.8#

58 2422.6 55.0 82.4#



#50

Toluene-d8

Concen: 54.879 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023692.D

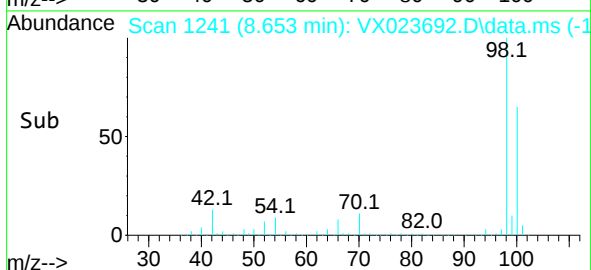
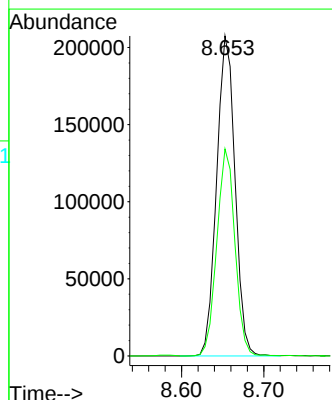
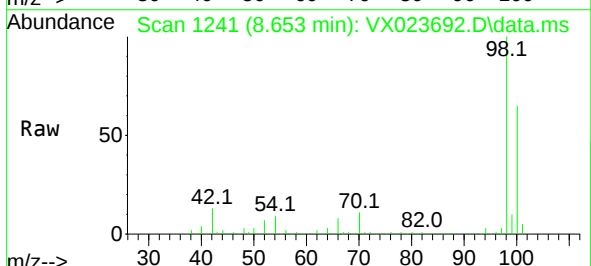
Acq: 13 Aug 2021 15:50

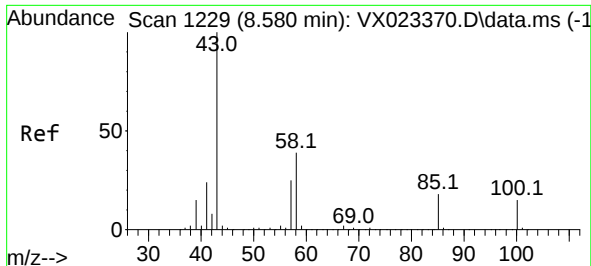
Tgt Ion: 98 Resp: 323064

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

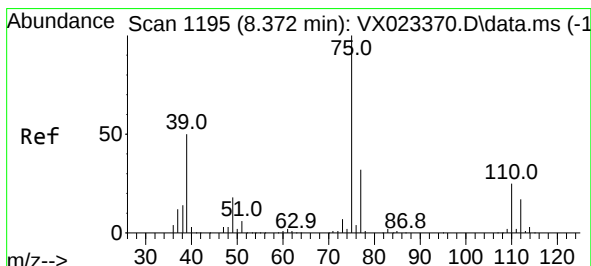
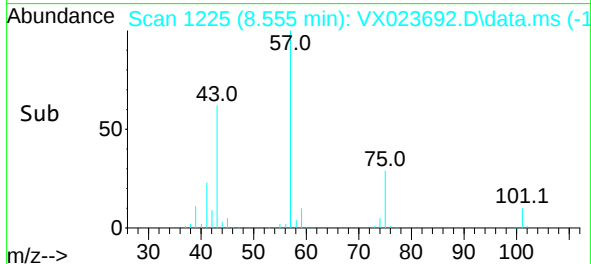
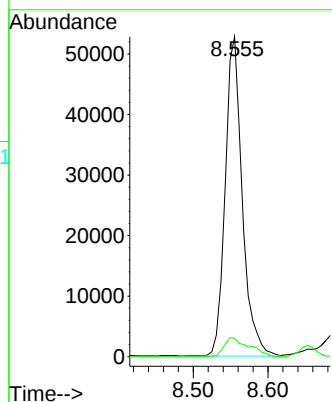
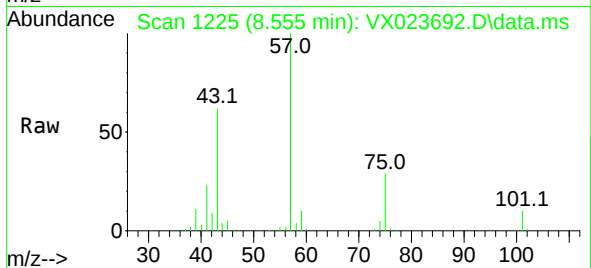




#51
4-Methyl-2-Pentanone
Concen: 30.305 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

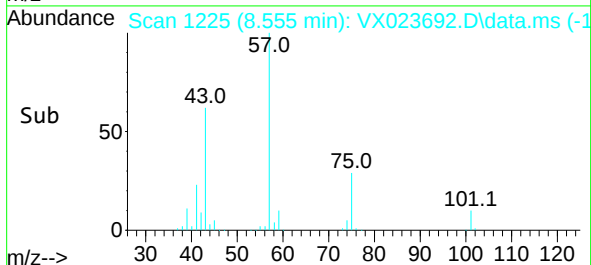
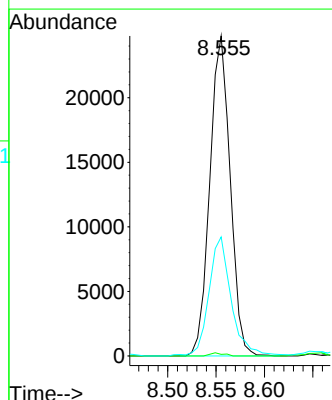
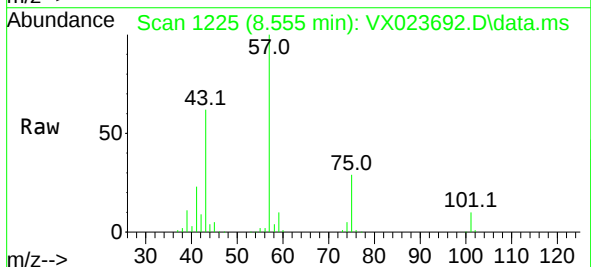
Instrument :
MSVOA_X
ClientSampled :

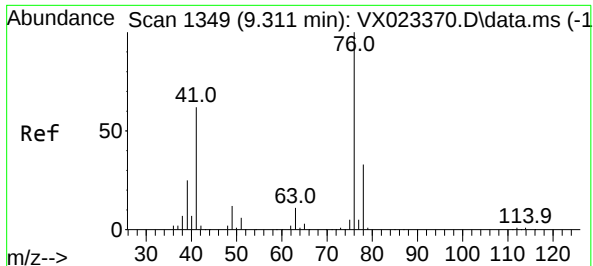
Tgt Ion: 43 Resp: 83953
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.116 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 75 Resp: 36342
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 36.8 35.1 52.7



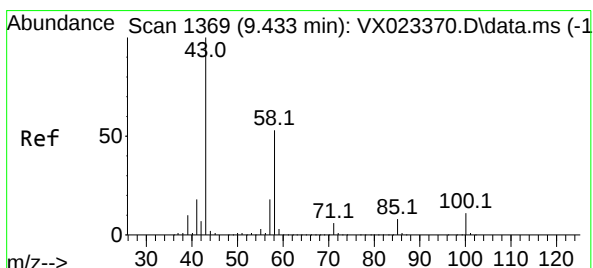
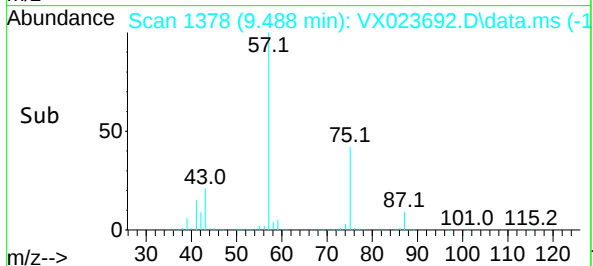
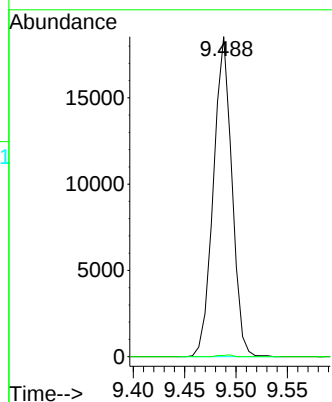
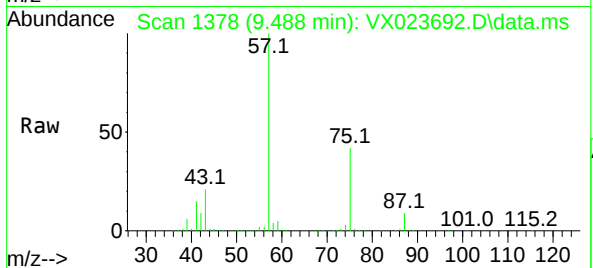


#57

1,3-Dichloropropane
Concen: 7.907 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_X
ClientSampleId :

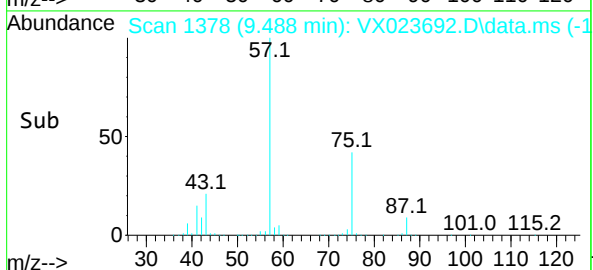
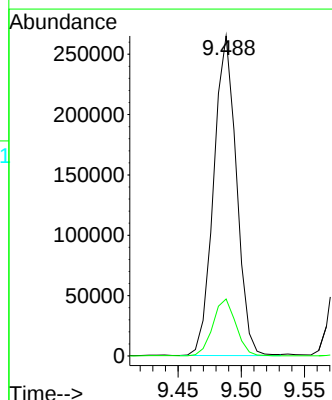
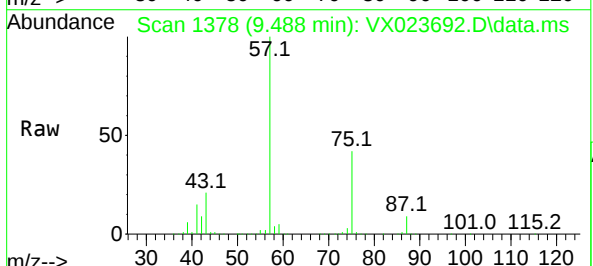
Tgt Ion: 76 Resp: 23167
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

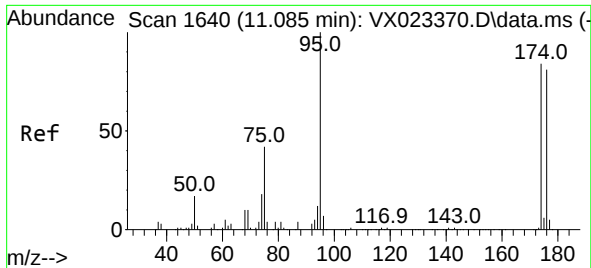


#59

2-Hexanone
Concen: 157.618 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 43 Resp: 331574
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#

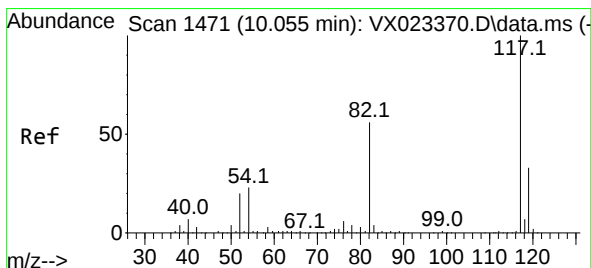
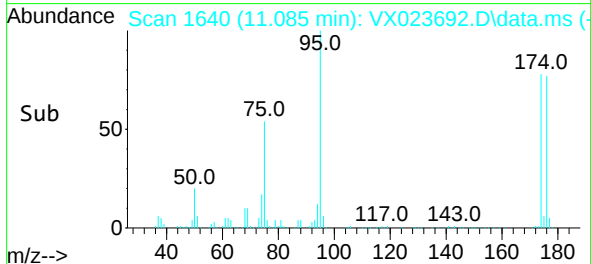
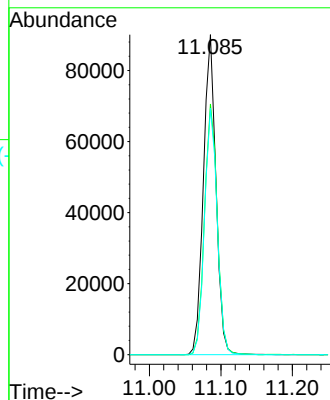
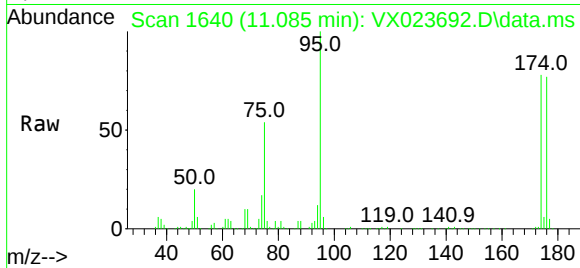




#62
4-Bromofluorobenzene
Concen: 54.829 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

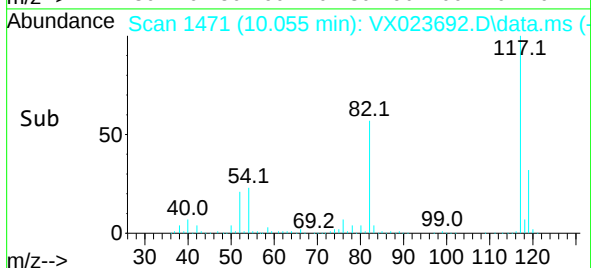
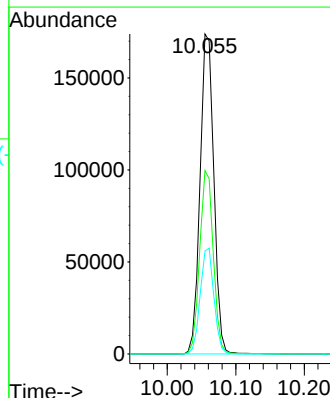
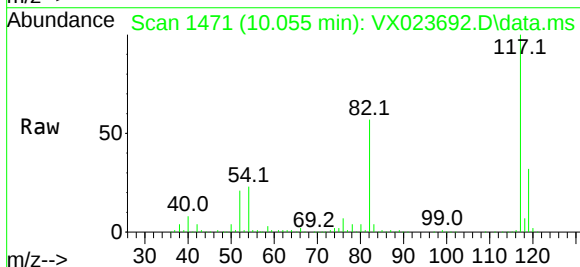
Instrument :
MSVOA_X
ClientSampleId :

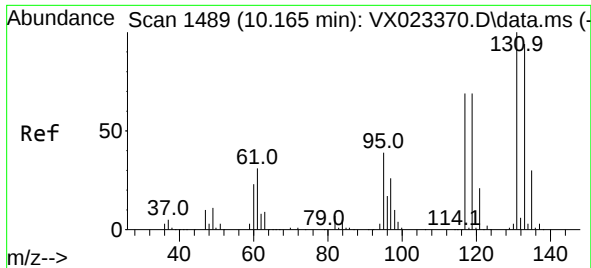
Tgt Ion: 95 Resp: 109755
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 77.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Tgt Ion: 117 Resp: 244142
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.1 26.6 39.8

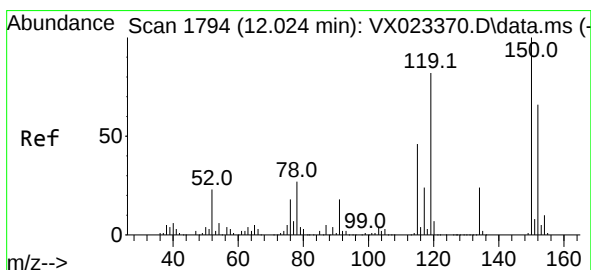
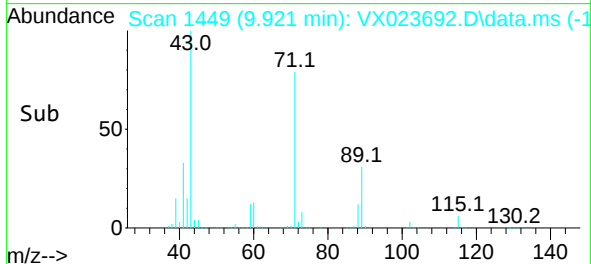
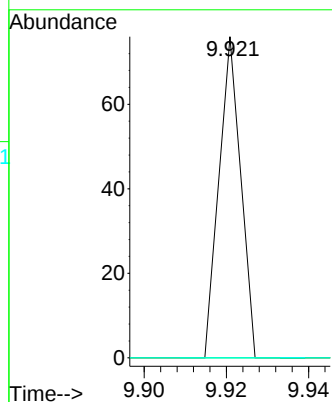
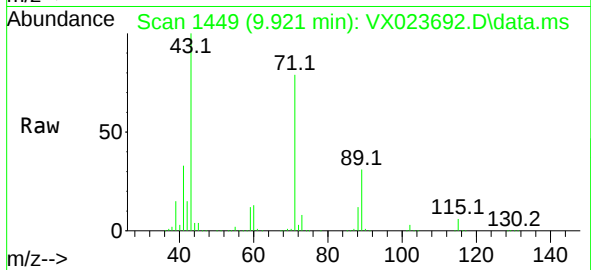




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.989 ug/l
 RT: 9.921 min Scan# 1449
 Delta R.T. -0.244 min
 Lab File: VX023692.D
 Acq: 13 Aug 2021 15:50

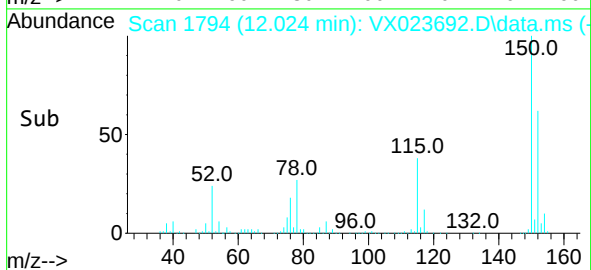
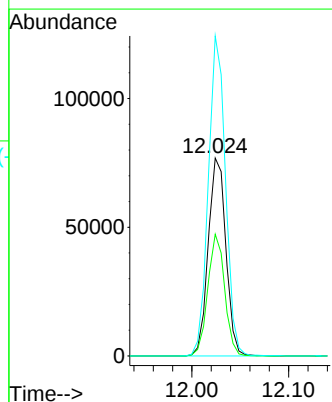
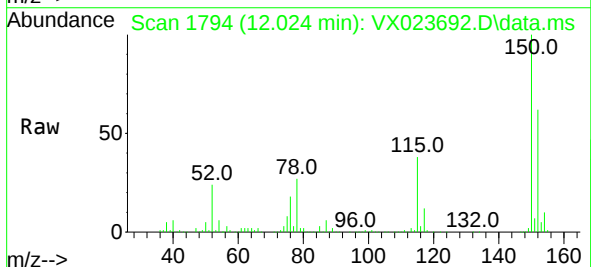
Instrument :
 MSVOA_X
 ClientSampleId :

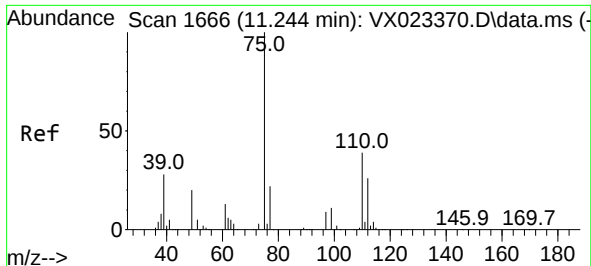
Tgt Ion:131 Resp: 28
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.7 143.1#
 119 0.0 32.1 96.5#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023692.D
 Acq: 13 Aug 2021 15:50

Tgt Ion:152 Resp: 98022
 Ion Ratio Lower Upper
 152 100
 115 58.6 41.1 123.3
 150 156.8 0.0 349.0

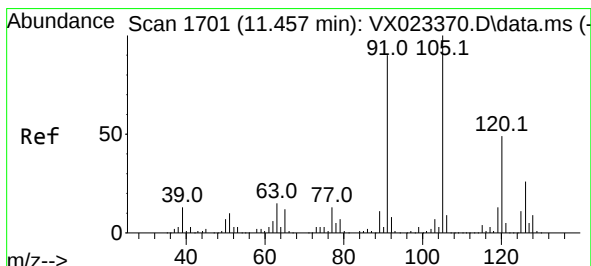
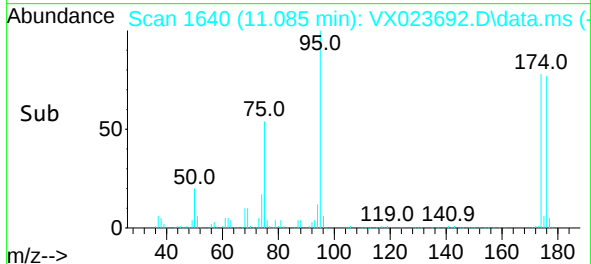
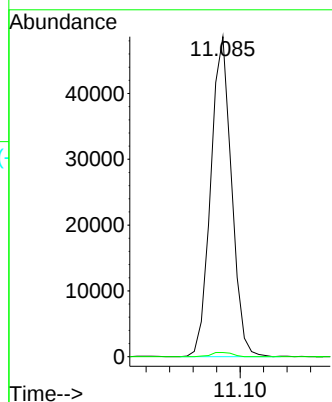
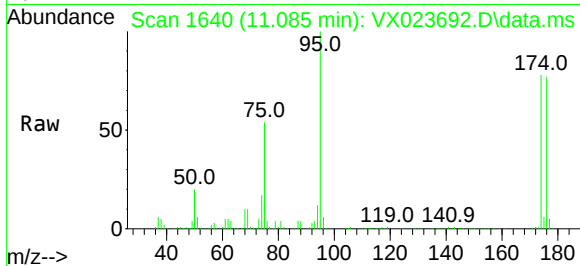




#76
1,2,3-Trichloropropane
Concen: 27.768 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

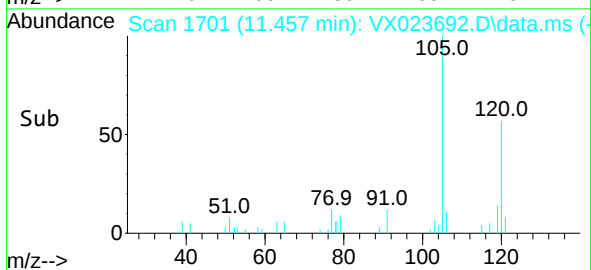
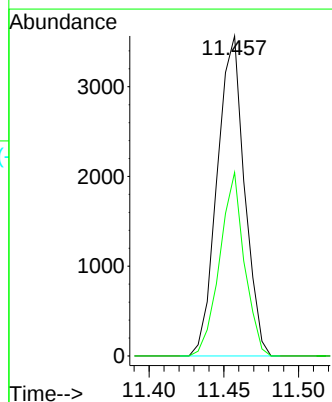
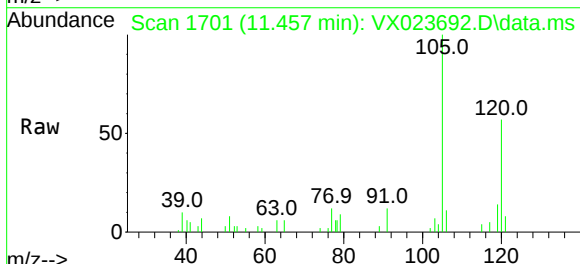
Instrument :
MSVOA_X
ClientSampled :

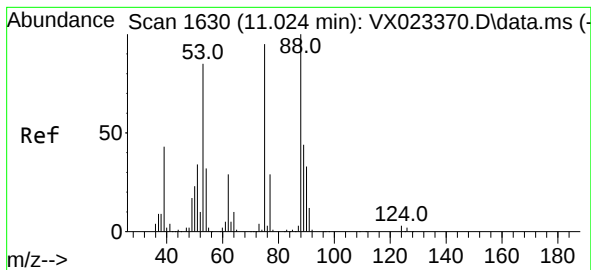
Tgt Ion: 75 Resp: 59897
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.751 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

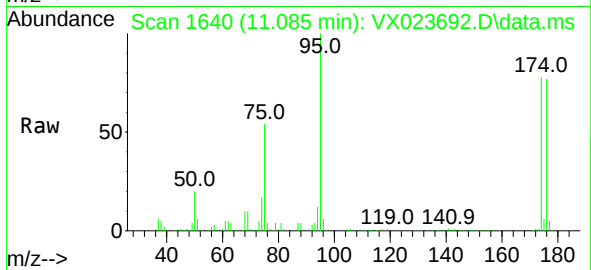
Tgt Ion: 105 Resp: 4523
Ion Ratio Lower Upper
105 100
120 51.8 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 74.665 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023692.D
Acq: 13 Aug 2021 15:50

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 59897
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

