

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023721.D
 Acq On : 14 Aug 2021 04:24
 Operator : JC/MD
 Sample : M3397-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:36:59 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)

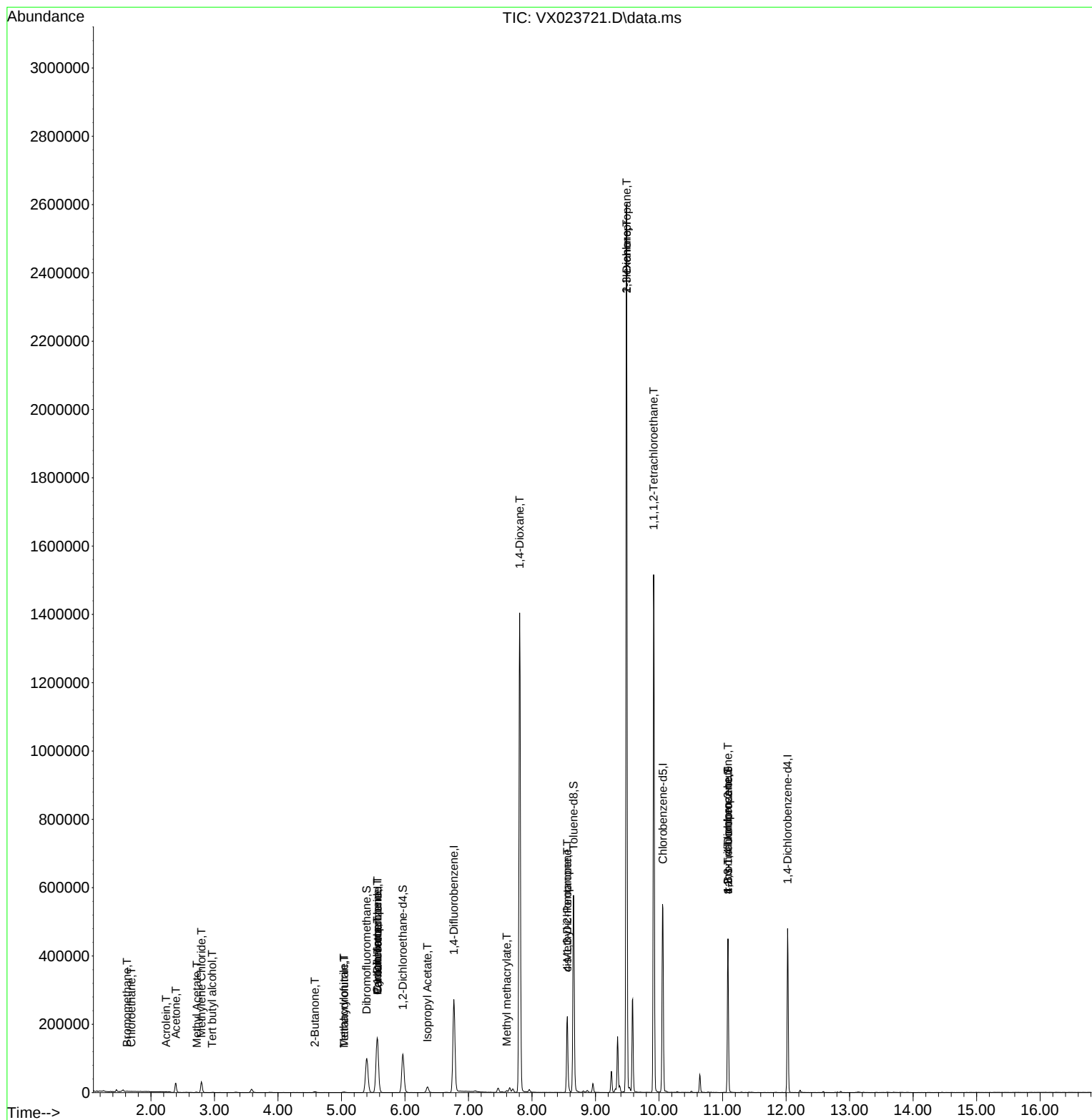
Internal Standards						
1) Pentafluorobenzene	5.568	168	151625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	263021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	247492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109021	57.641	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.280%	
35) Dibromofluoromethane	5.397	113	84992	51.682	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.360%	
50) Toluene-d8	8.653	98	333298	55.163	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 110.320%	
62) 4-Bromofluorobenzene	11.085	95	107370	52.260	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	377	0.386	ug/l #	54
6) Chloroethane	1.691	64	454	0.450	ug/l #	43
11) Tert butyl alcohol	2.965	59	704	1.629	ug/l #	80
13) Acrolein	2.239	56	29	1.495	ug/l #	1
16) Acetone	2.392	43	29399	31.687	ug/l #	86
18) Methyl Acetate	2.721	43	1773	0.804	ug/l #	81
20) Methylene Chloride	2.794	84	13451	7.453	ug/l	88
25) 2-Butanone	4.580	43	4582	3.181	ug/l	92
29) Tetrahydrofuran	5.044	42	1781	1.886	ug/l #	70
31) Cyclohexane	5.562	56	3555	1.269	ug/l #	26
36) 1,1-Dichloropropene	5.562	75	11493	4.830	ug/l #	51
38) Carbon Tetrachloride	5.568	117	15032	6.212	ug/l #	17
41) Methacrylonitrile	5.038	41	1107	0.699	ug/l #	33
43) Isopropyl Acetate	6.354	43	22309	4.799	ug/l	93
48) Methyl methacrylate	7.604	41	6726	3.124	ug/l #	10
49) 1,4-Dioxane	7.805	88	156	3.403	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	79278	27.882	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	33103	11.640	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	20588	6.846	ug/l #	42
59) 2-Hexanone	9.488	43	306492	141.952	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.915	131	23	0.986	ug/l #	8
76) 1,2,3-Trichloropropane	11.085	75	58464	28.093	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58464	75.540	ug/l #	12

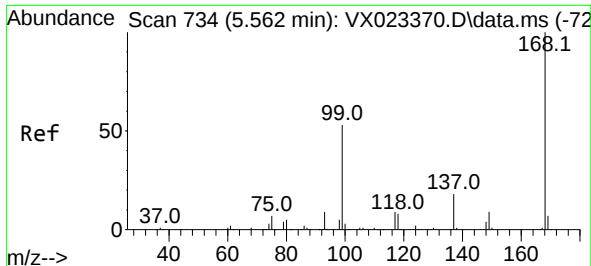
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 14 05:36:59 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

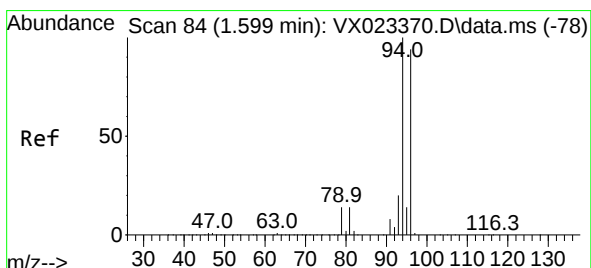
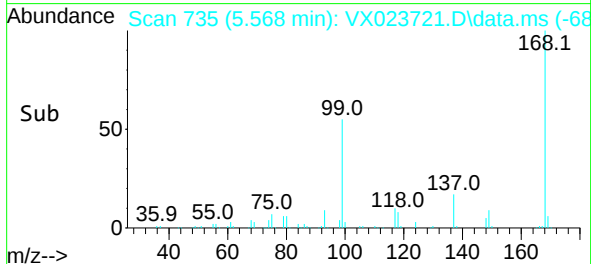
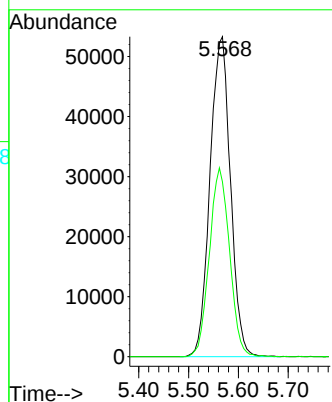
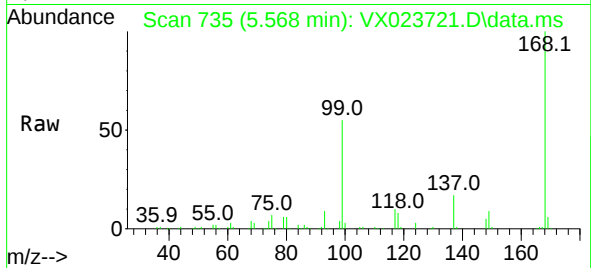




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

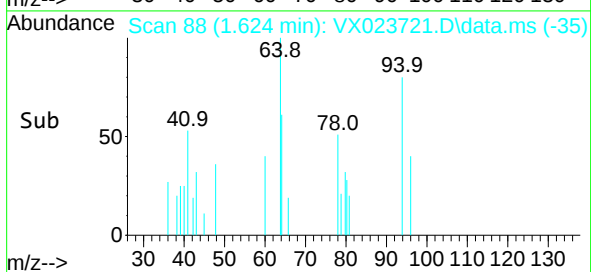
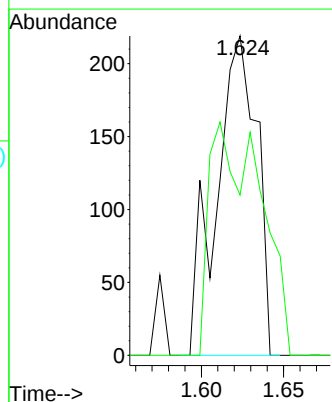
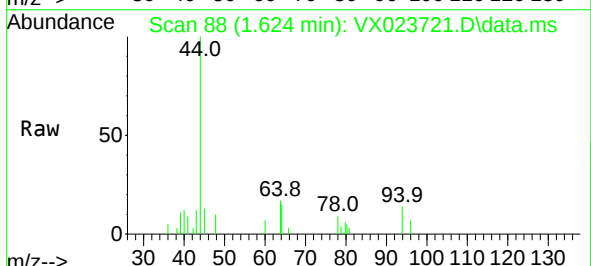
Instrument :
MSVOA_X
ClientSampled :

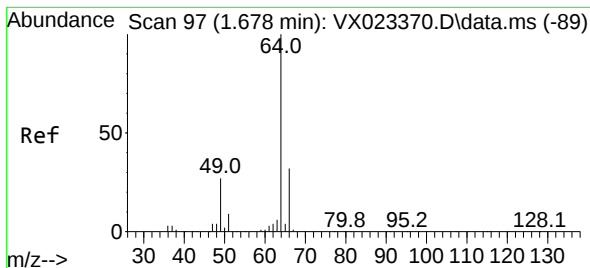
Tgt Ion:168 Resp: 151625
Ion Ratio Lower Upper
168 100
99 54.7 45.8 68.6



#5
Bromomethane
Concen: 0.386 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion: 94 Resp: 377
Ion Ratio Lower Upper
94 100
96 50.2 76.4 114.6#

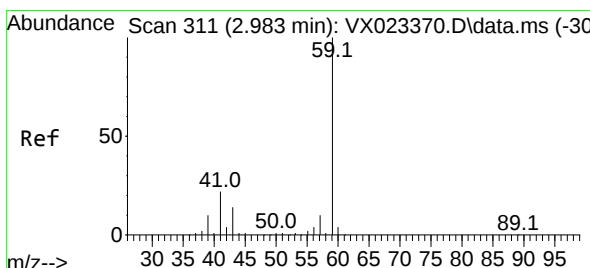
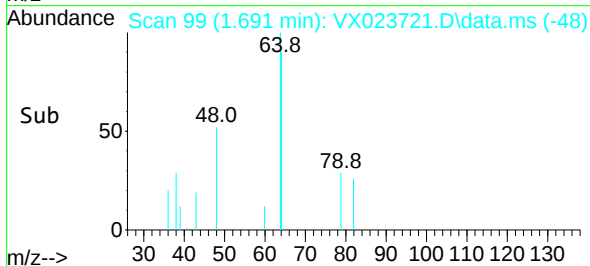
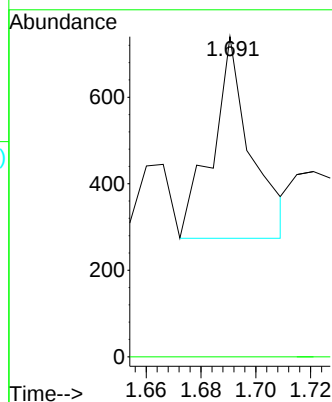
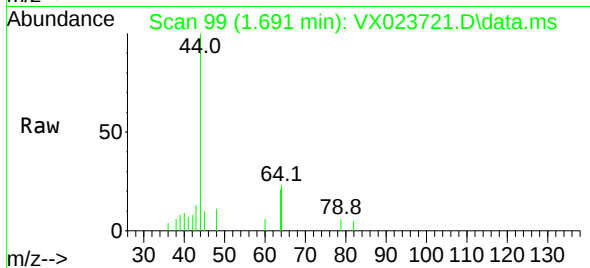




#6
Chloroethane
Concen: 0.450 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

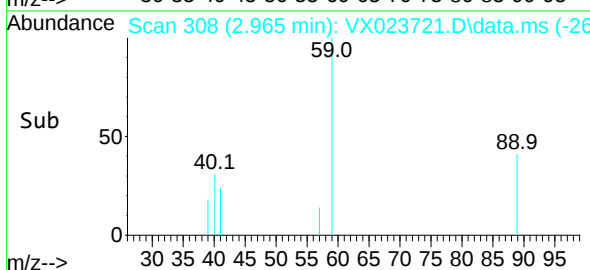
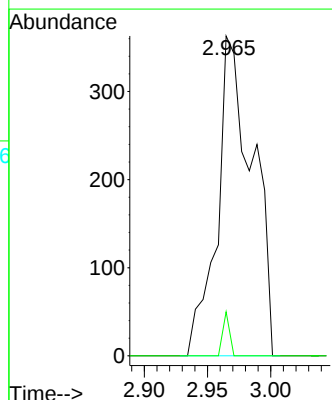
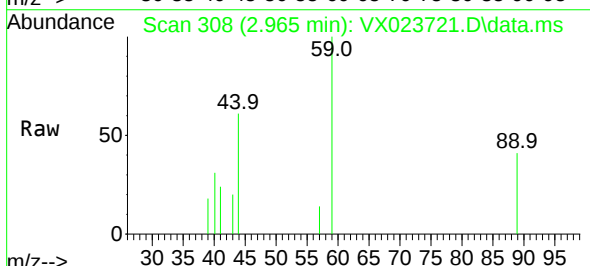
Instrument :
MSVOA_X
ClientSampled :

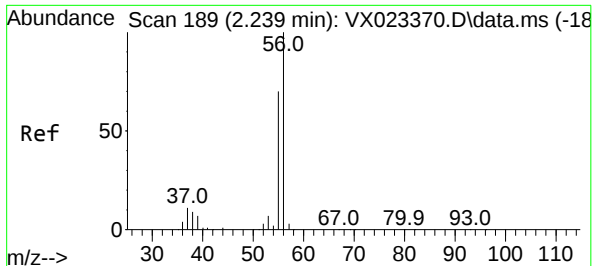
Tgt Ion: 64 Resp: 454
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.629 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 2.6 7.8 11.8#

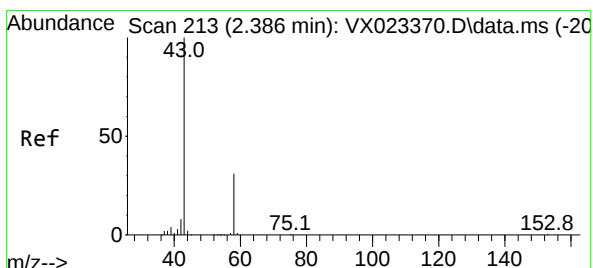
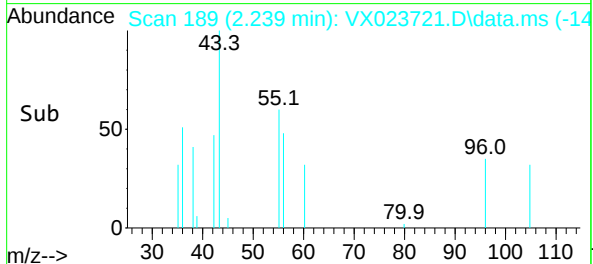
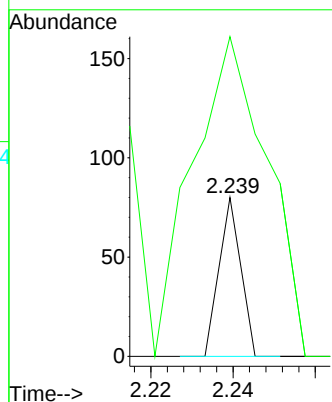
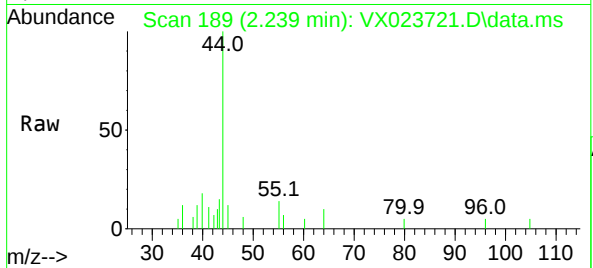




#13
Acrolein
Concen: 1.495 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

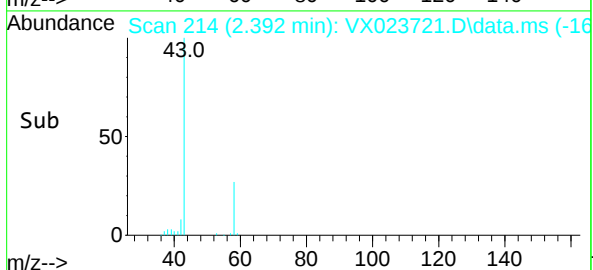
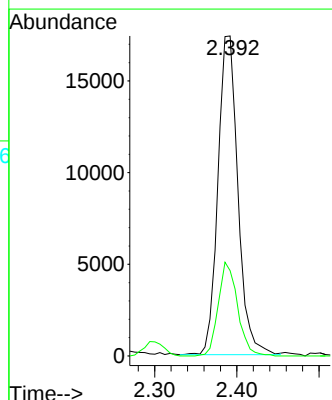
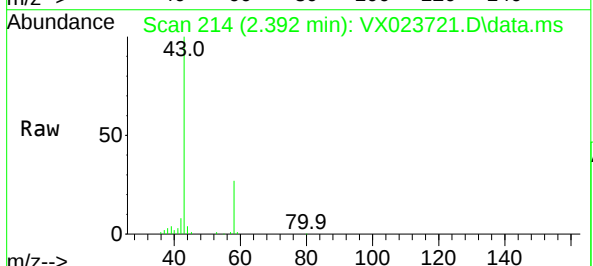
Instrument :
MSVOA_X
ClientSampleId :

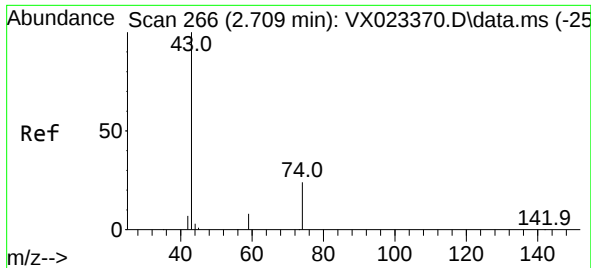
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 700.0 56.4 84.6#



#16
Acetone
Concen: 31.687 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

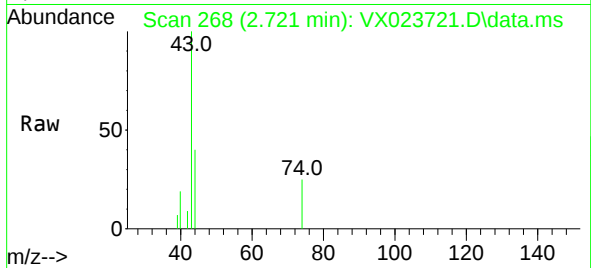
Tgt Ion: 43 Resp: 29399
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#



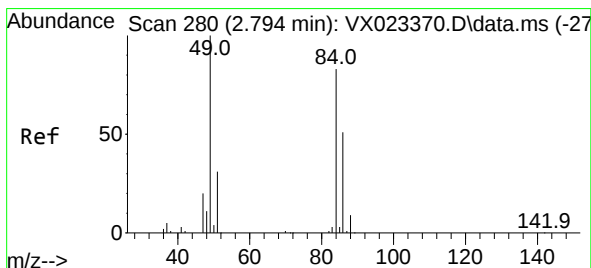
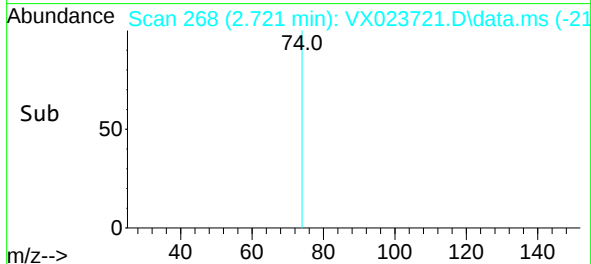
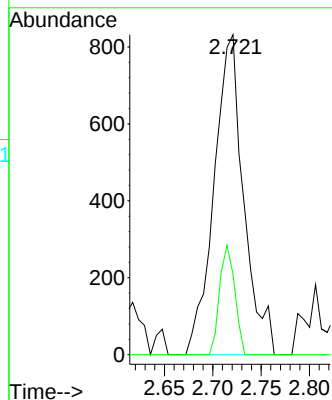


#18
Methyl Acetate
Concen: 0.804 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Instrument :
MSVOA_X
ClientSampled :

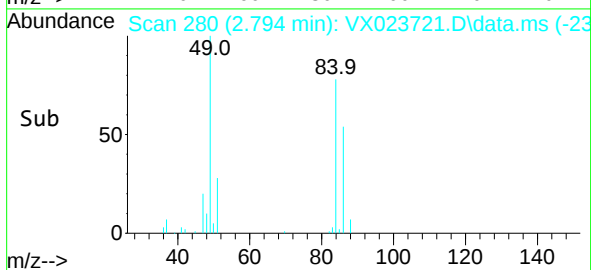
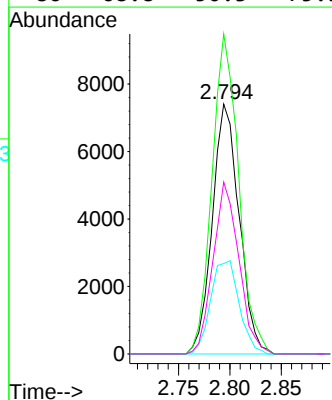
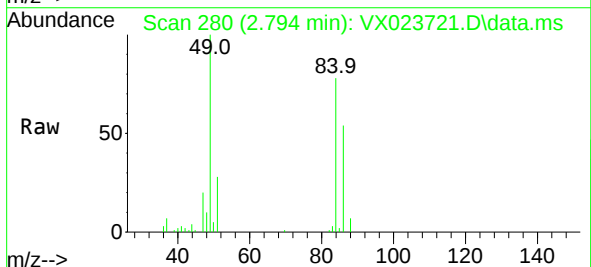


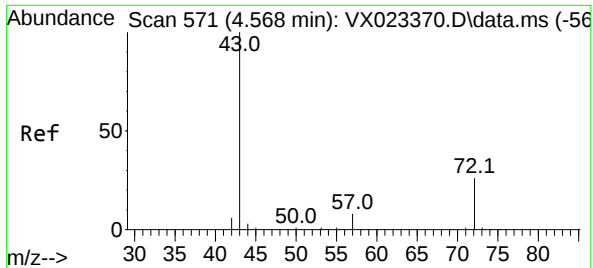
Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
74 17.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.453 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion: 84 Resp: 13451
Ion Ratio Lower Upper
84 100
49 128.0 88.6 132.8
51 36.2 27.0 40.6
86 68.8 50.3 75.5

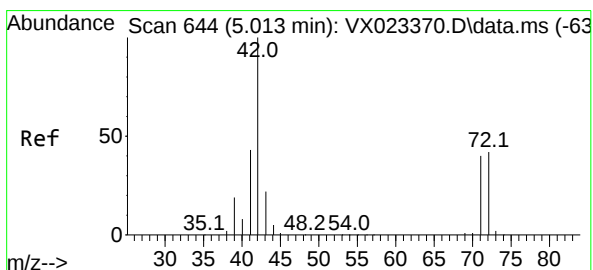
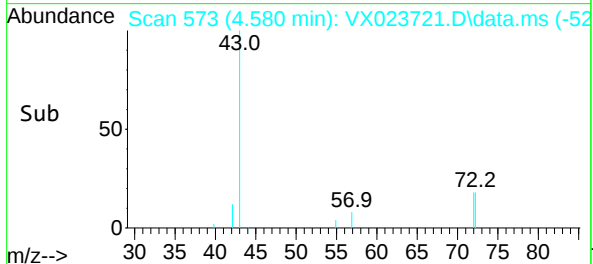
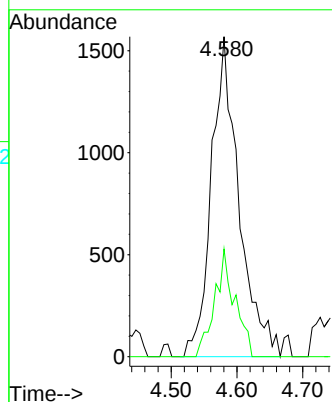
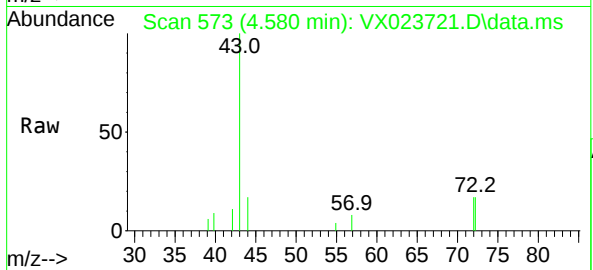




#25
2-Butanone
Concen: 3.181 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

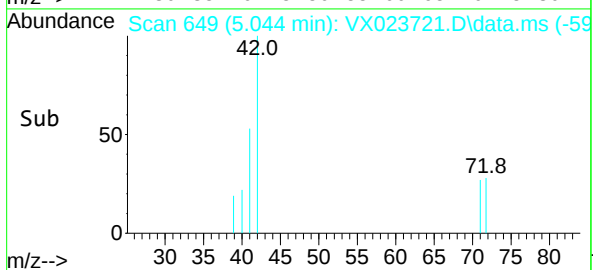
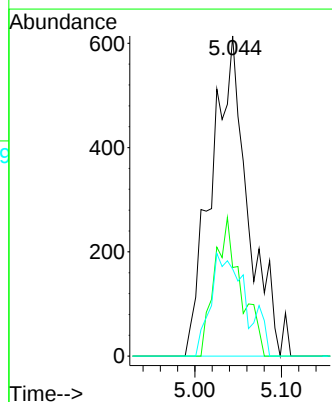
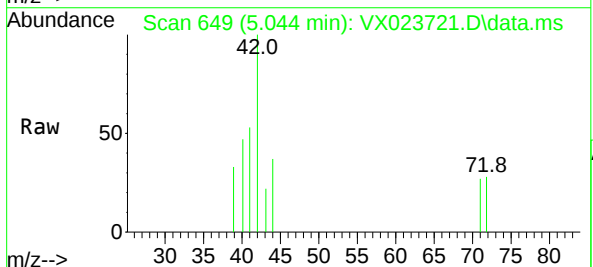
Instrument :
MSVOA_X
ClientSampled :

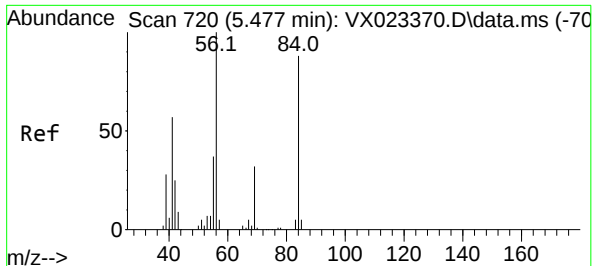
Tgt Ion: 43 Resp: 4582
Ion Ratio Lower Upper
43 100
72 33.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.886 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

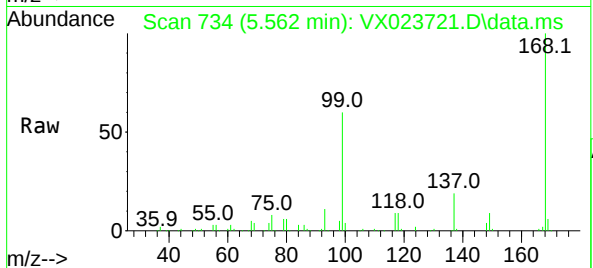
Tgt Ion: 42 Resp: 1781
Ion Ratio Lower Upper
42 100
72 31.4 41.7 62.5#
71 27.9 38.4 57.6#



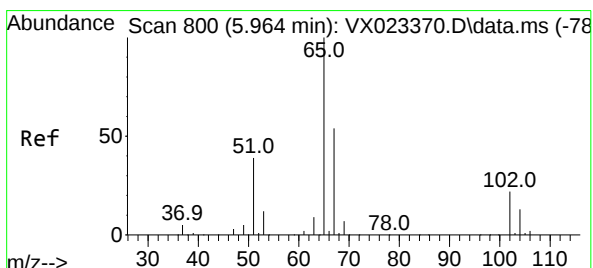
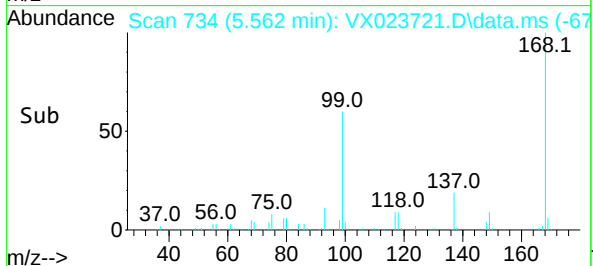
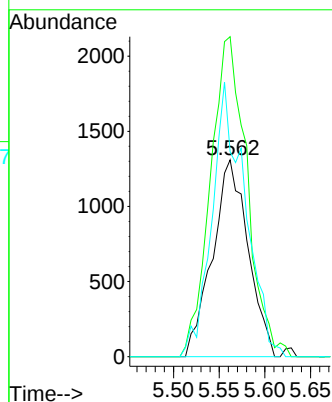


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Instrument :
MSVOA_X
ClientSampled :

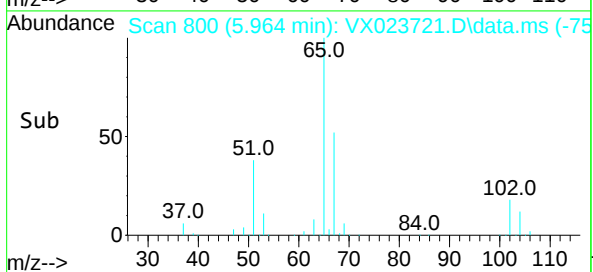
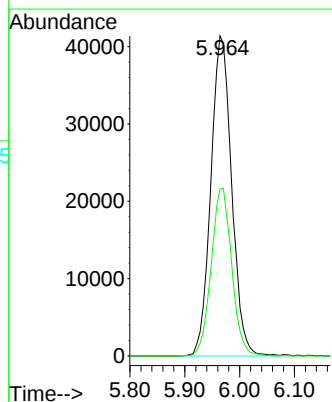
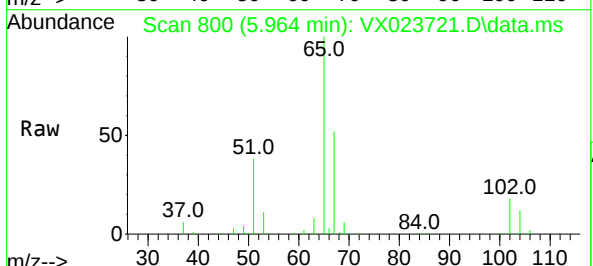


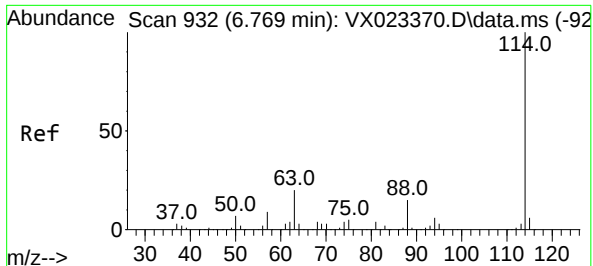
Tgt Ion: 56 Resp: 3555
Ion Ratio Lower Upper
56 100
69 162.6 25.3 37.9#
84 104.0 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 57.641 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion: 65 Resp: 109021
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

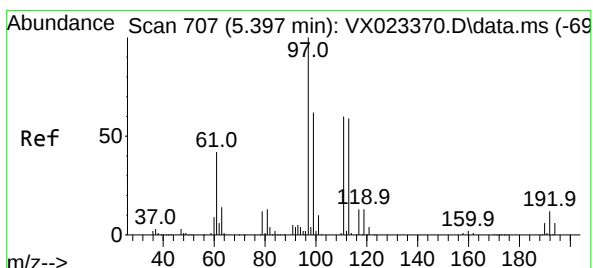
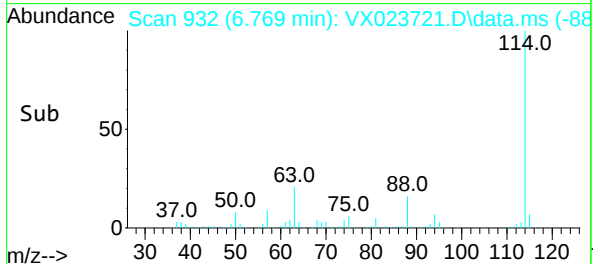
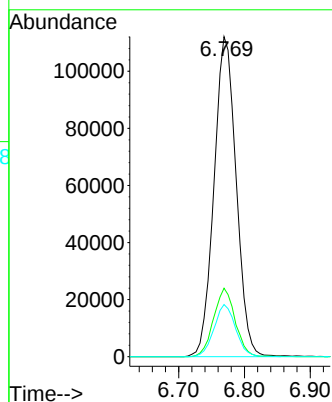
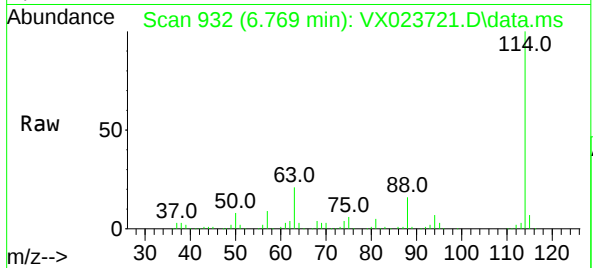




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

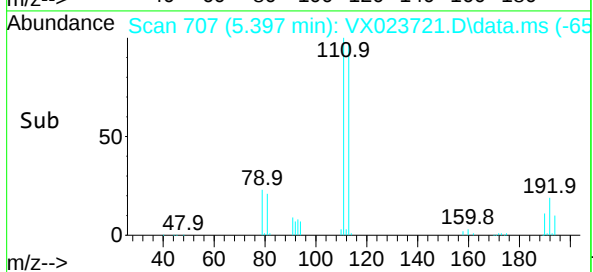
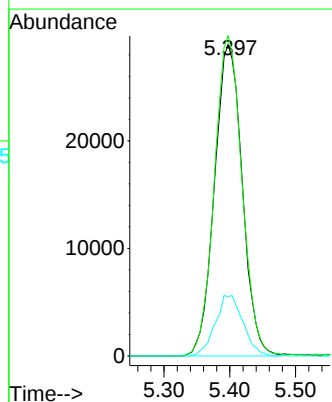
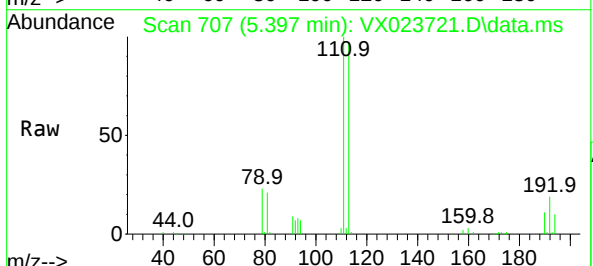
Instrument :
MSVOA_X
ClientSampled :

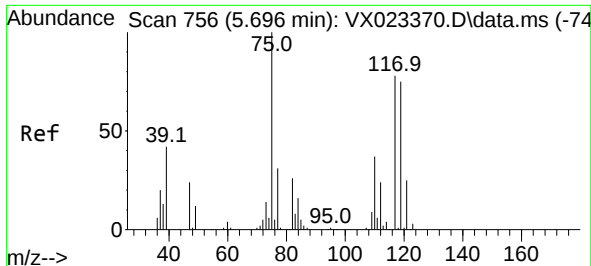
Tgt Ion:114 Resp: 263021
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.682 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion:113 Resp: 84992
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023721.D

Acq: 14 Aug 2021 04:24

Tgt Ion: 75 Resp: 11493

Ion Ratio Lower Upper

75 100

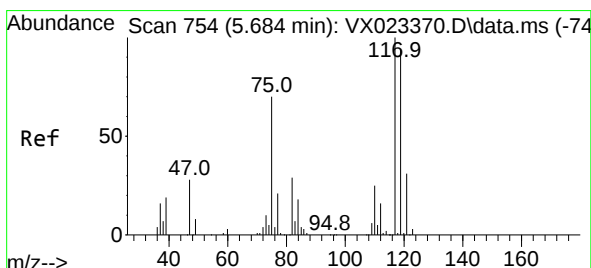
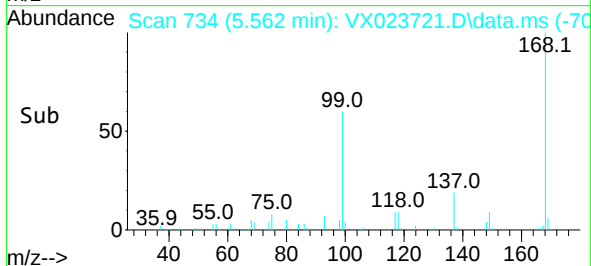
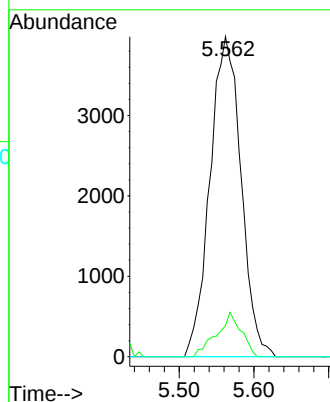
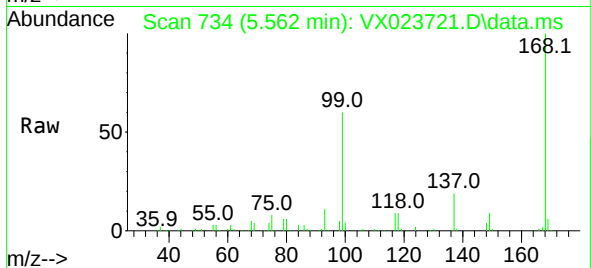
110 11.0 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.116 min

Lab File: VX023721.D

Acq: 14 Aug 2021 04:24

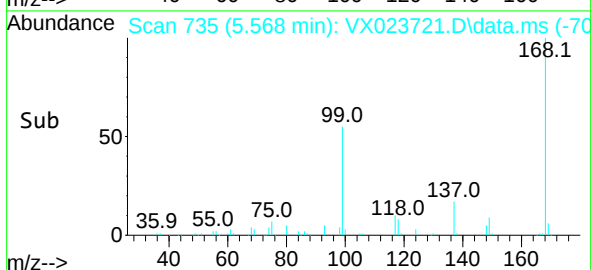
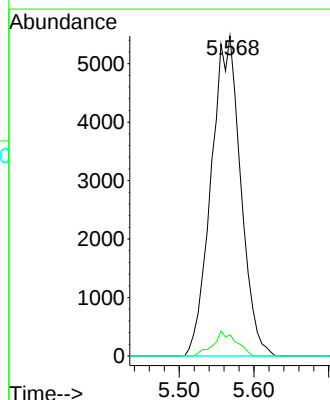
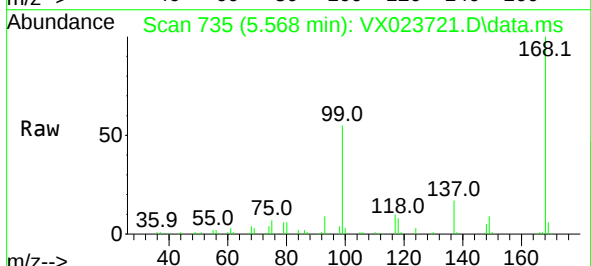
Tgt Ion: 117 Resp: 15032

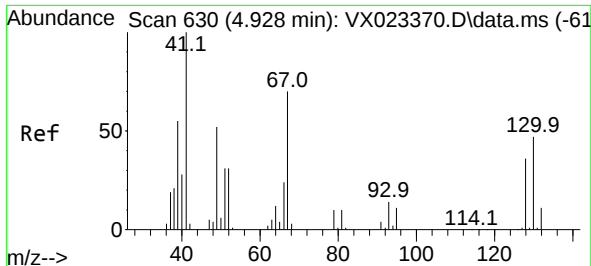
Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

121 0.0 24.8 37.2#

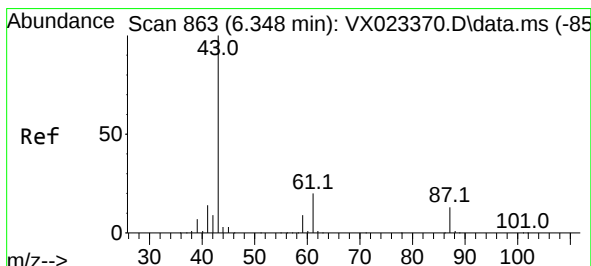
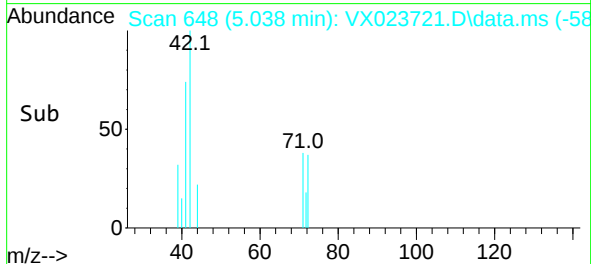
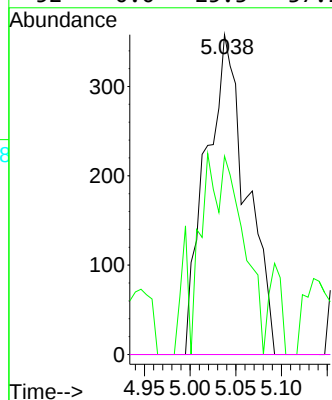
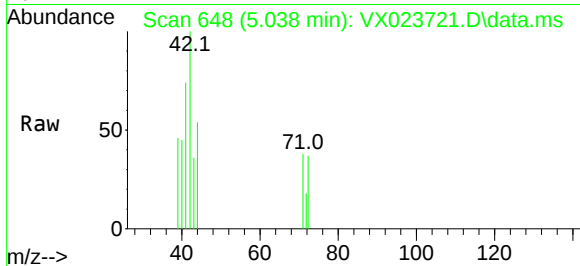




#41
Methacrylonitrile
Concen: 0.699 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

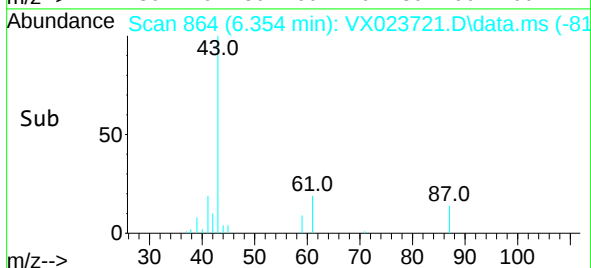
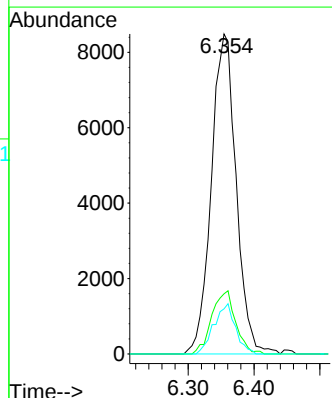
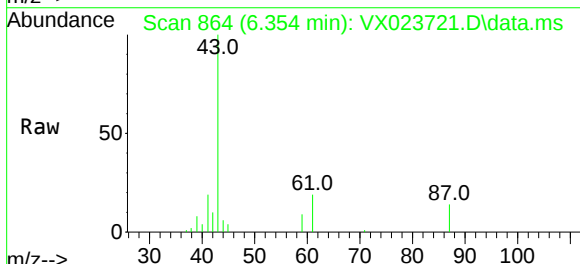
Instrument :
MSVOA_X
ClientSampleId :

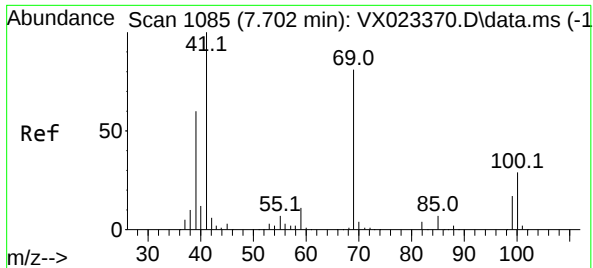
Tgt Ion:	41	Resp:	1107
Ion	Ratio	Lower	Upper
41	100		
39	27.7	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.799 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

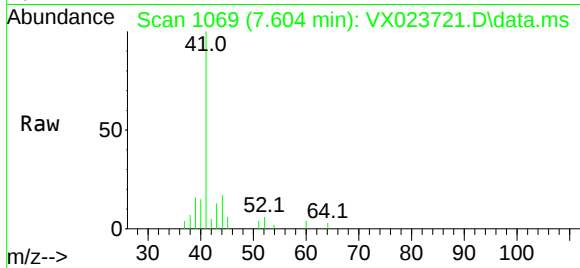
Tgt Ion:	43	Resp:	22309
Ion	Ratio	Lower	Upper
43	100		
61	18.9	18.2	27.4
87	13.6	12.5	18.7



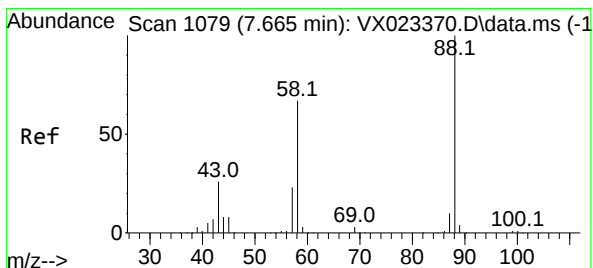
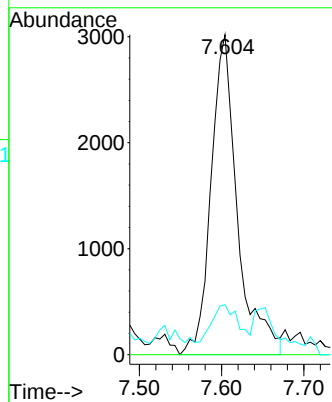
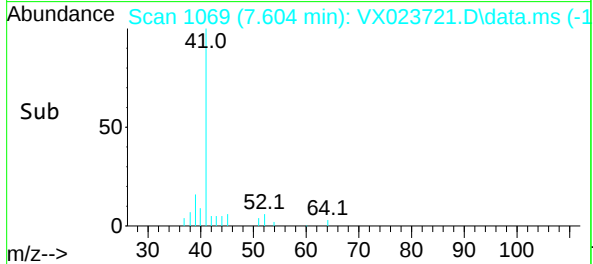


#48
Methyl methacrylate
Concen: 3.124 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

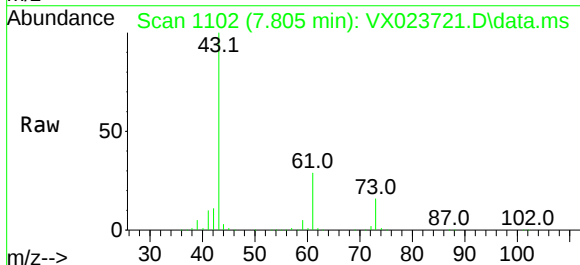
Instrument :
MSVOA_X
ClientSampled :



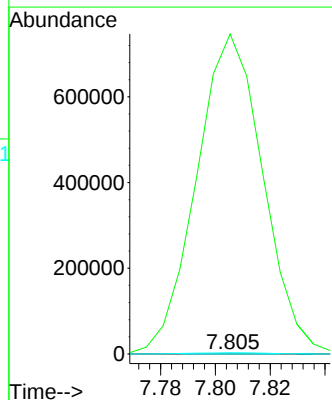
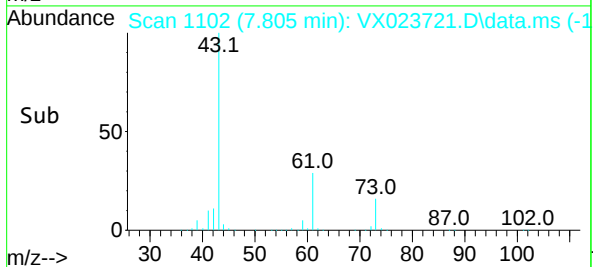
Tgt Ion: 41 Resp: 6726
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

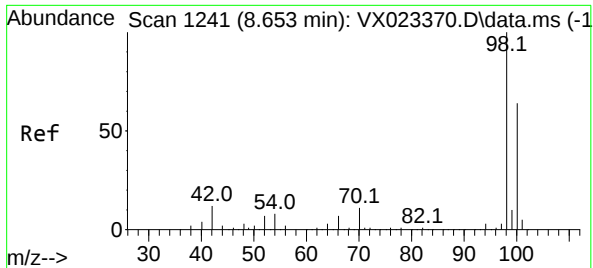


#49
1,4-Dioxane
Concen: 3.403 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24



Tgt Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 812461.5 23.2 34.8#
58 3405.8 55.0 82.4#

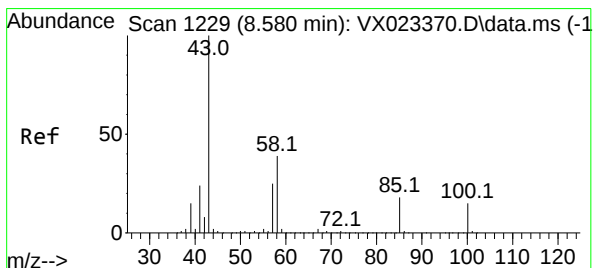
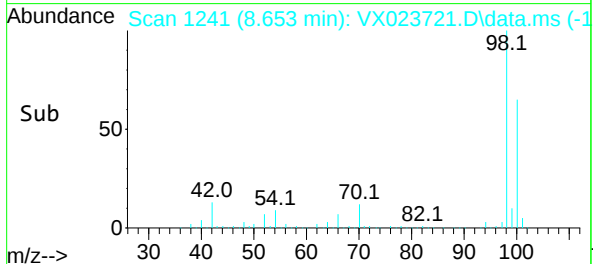
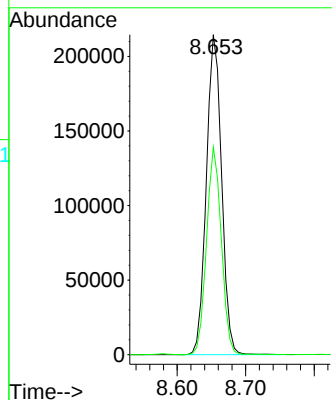
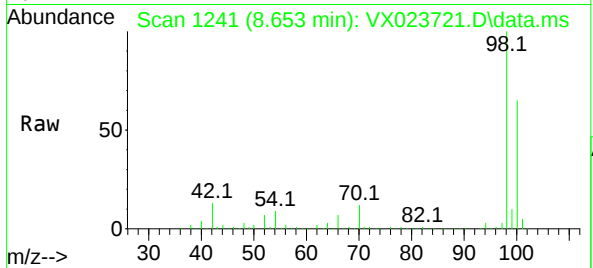




#50
Toluene-d8
Concen: 55.163 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

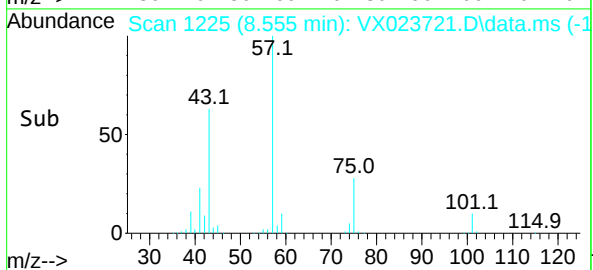
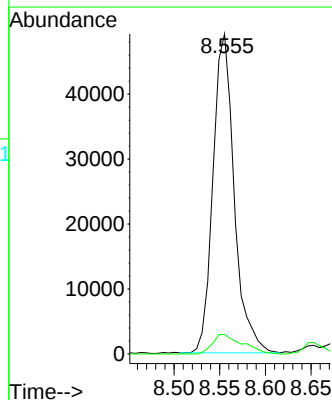
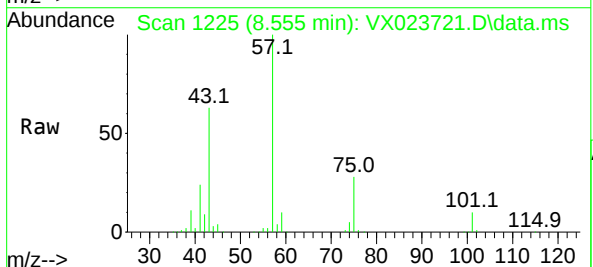
Instrument :
MSVOA_X
ClientSampled :

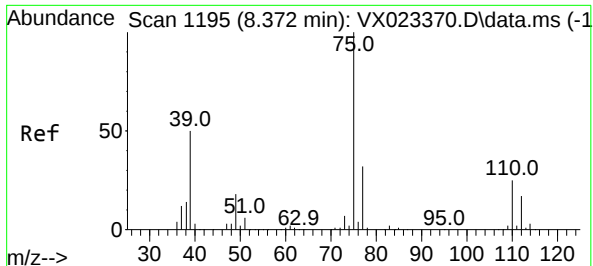
Tgt Ion: 98 Resp: 333298
Ion Ratio Lower Upper
98 100
100 62.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.882 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion: 43 Resp: 79278
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

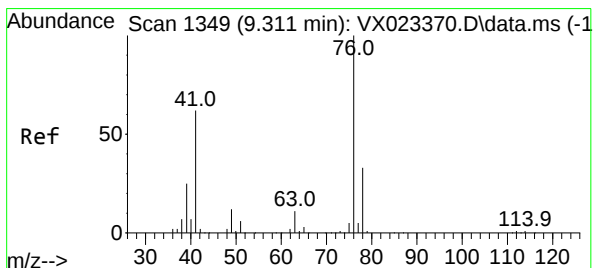
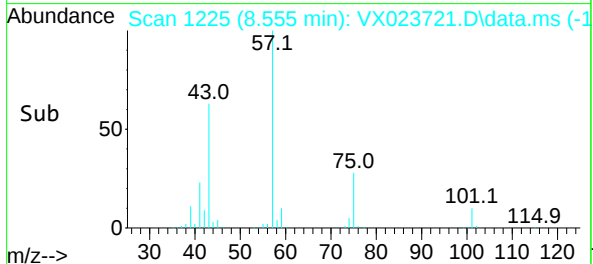
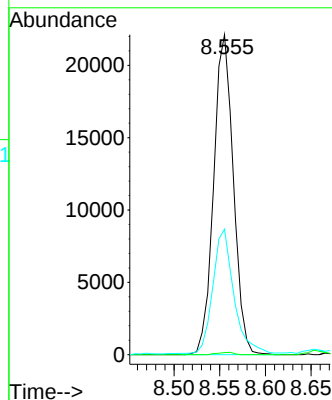
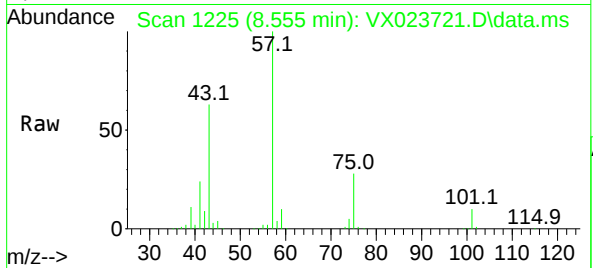




#54
 cis-1,3-Dichloropropene
 Concen: 11.640 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023721.D
 Acq: 14 Aug 2021 04:24

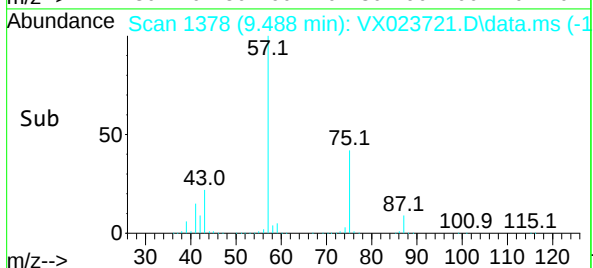
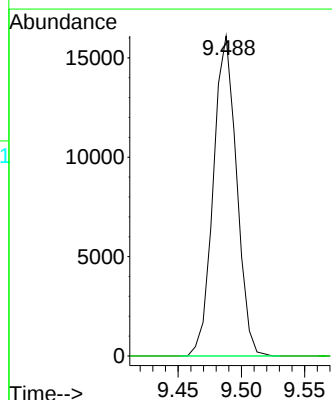
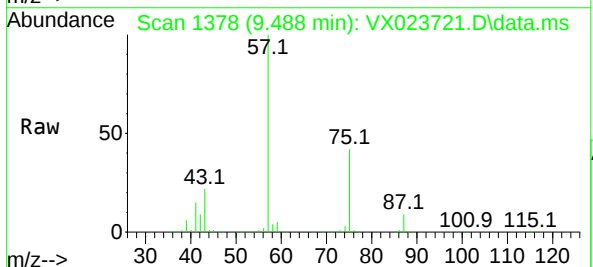
Instrument :
 MSVOA_X
 ClientSampleId :

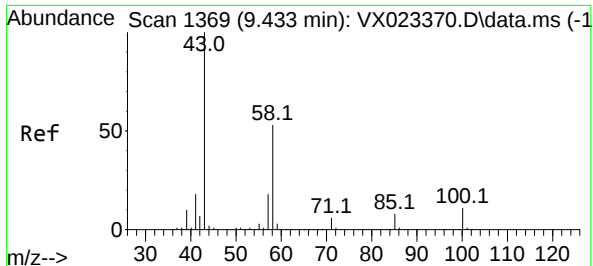
Tgt Ion: 75 Resp: 33103
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 38.9 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.846 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023721.D
 Acq: 14 Aug 2021 04:24

Tgt Ion: 76 Resp: 20588
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

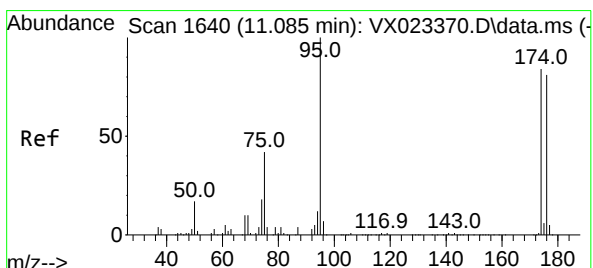
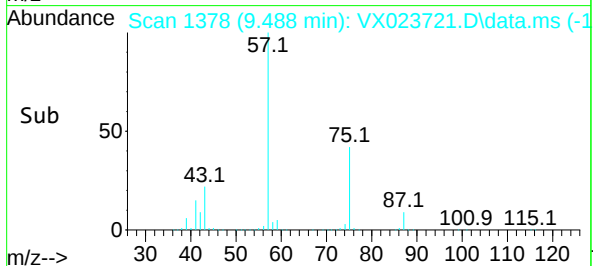
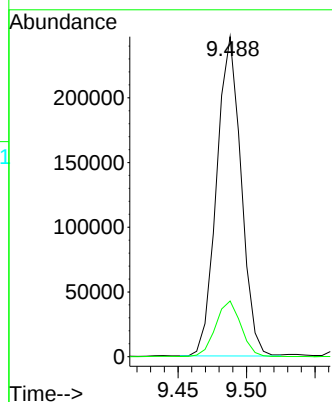
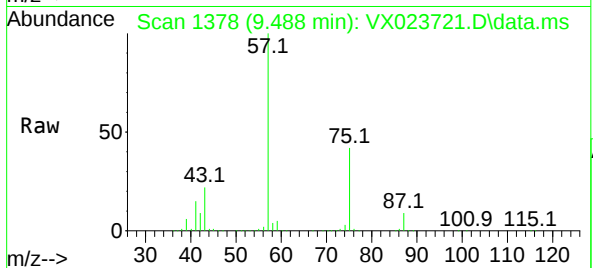




#59
2-Hexanone
Concen: 141.952 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

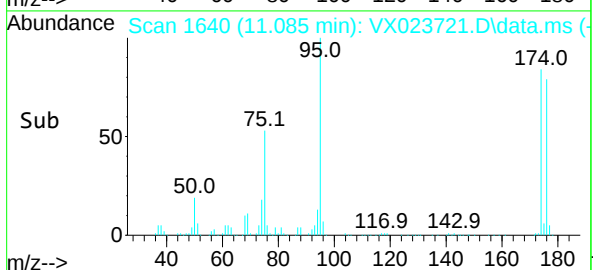
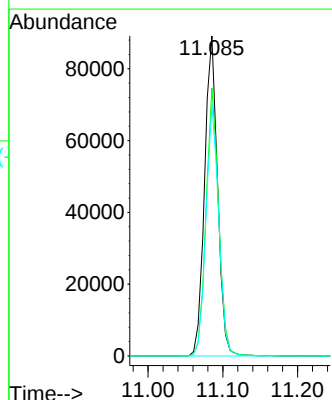
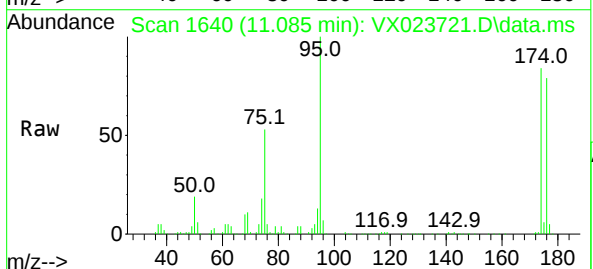
Instrument :
MSVOA_X
ClientSampleId :

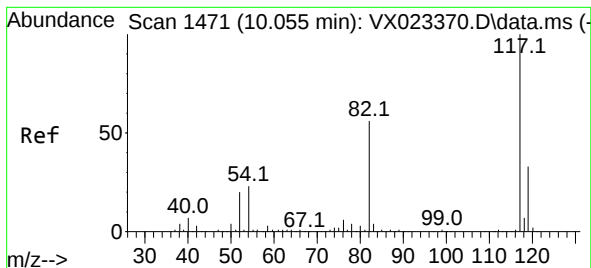
Tgt Ion: 43 Resp: 306492
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.260 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion: 95 Resp: 107370
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 77.1 0.0 155.8

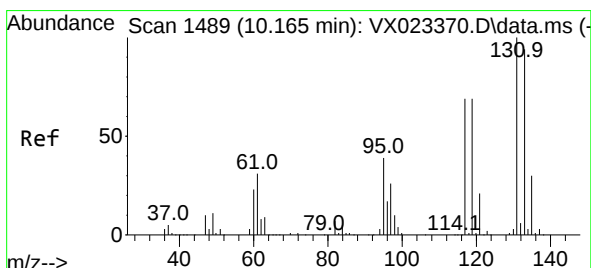
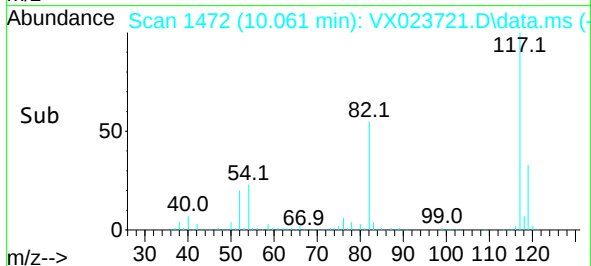
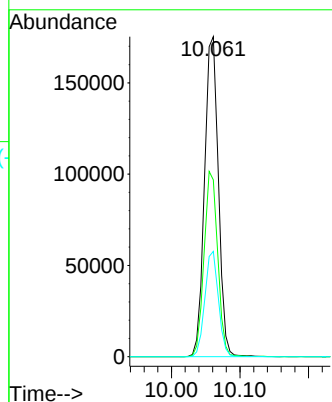
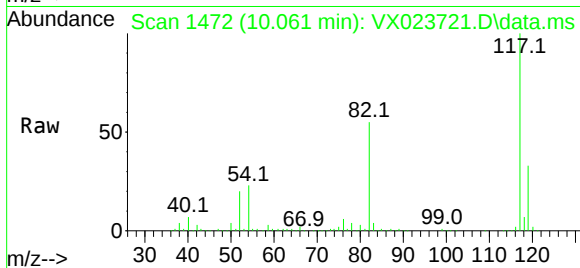




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

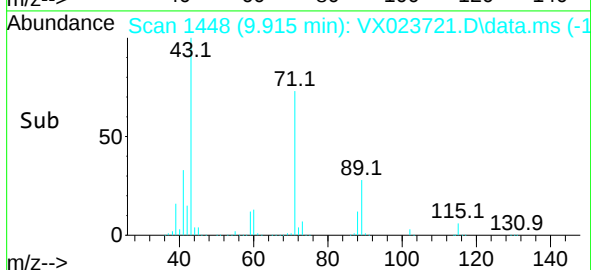
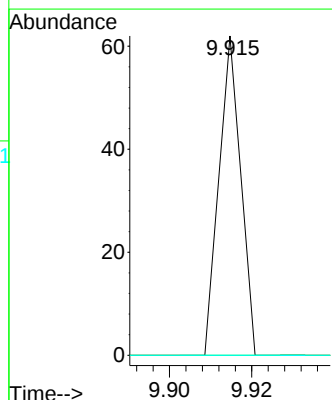
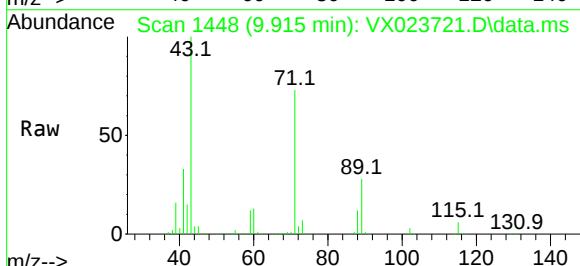
Instrument :
MSVOA_X
ClientSampled :

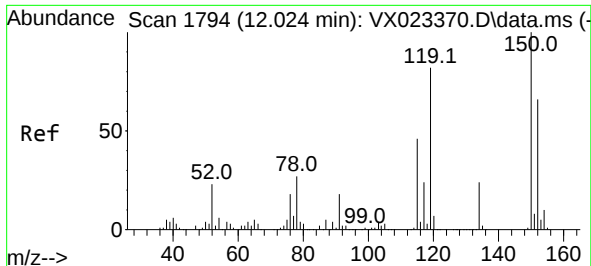
Tgt Ion:117 Resp: 247492
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.986 ug/l
RT: 9.915 min Scan# 1448
Delta R.T. -0.250 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

Tgt Ion:131 Resp: 23
Ion Ratio Lower Upper
131 100
133 0.0 47.7 143.1#
119 0.0 32.1 96.5#

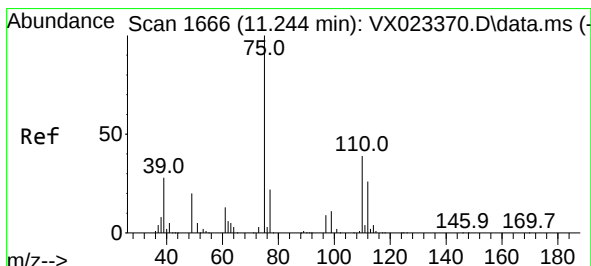
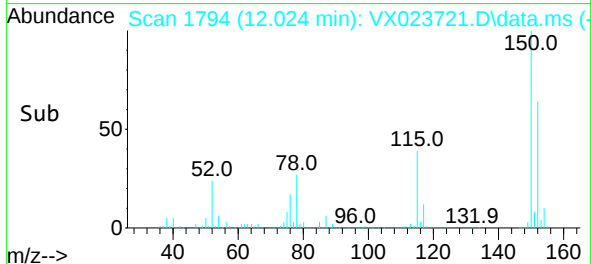
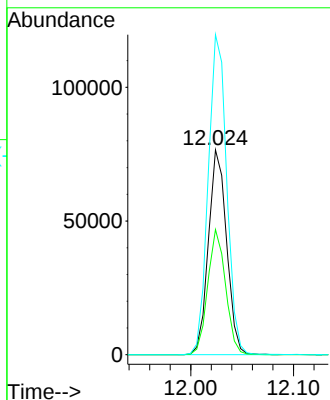
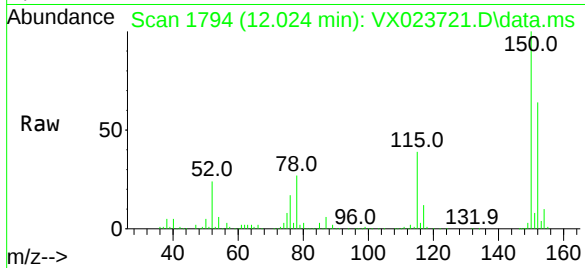




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

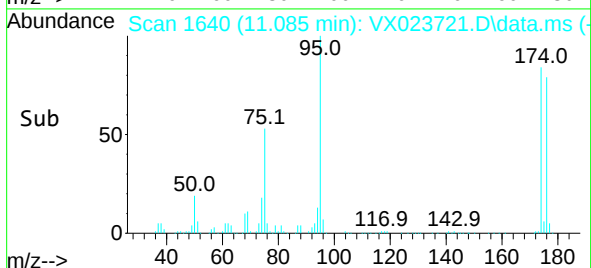
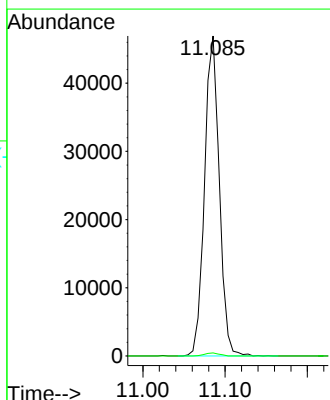
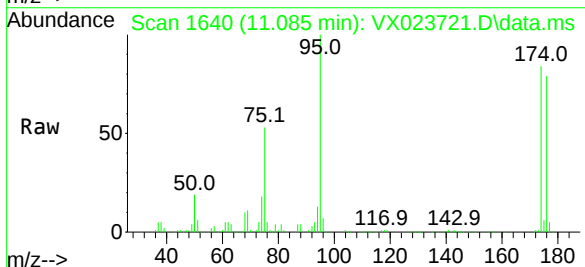
Instrument :
MSVOA_X
ClientSampleId :

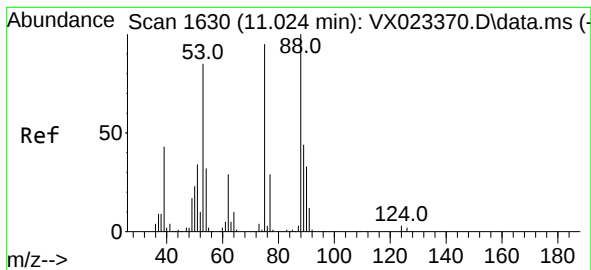
Tgt Ion:152 Resp: 94569
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 158.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.093 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023721.D
Acq: 14 Aug 2021 04:24

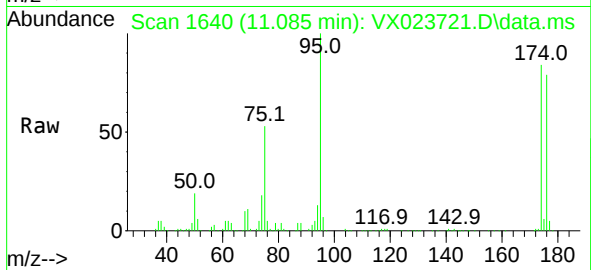
Tgt Ion: 75 Resp: 58464
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.540 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023721.D
 Acq: 14 Aug 2021 04:24

Instrument :
 MSVOA_X
 ClientSampleId :



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

