

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023792.D
 Acq On : 18 Aug 2021 03:28
 Operator : JC/MD
 Sample : M3425-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 21S

Quant Time: Aug 18 07:03:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

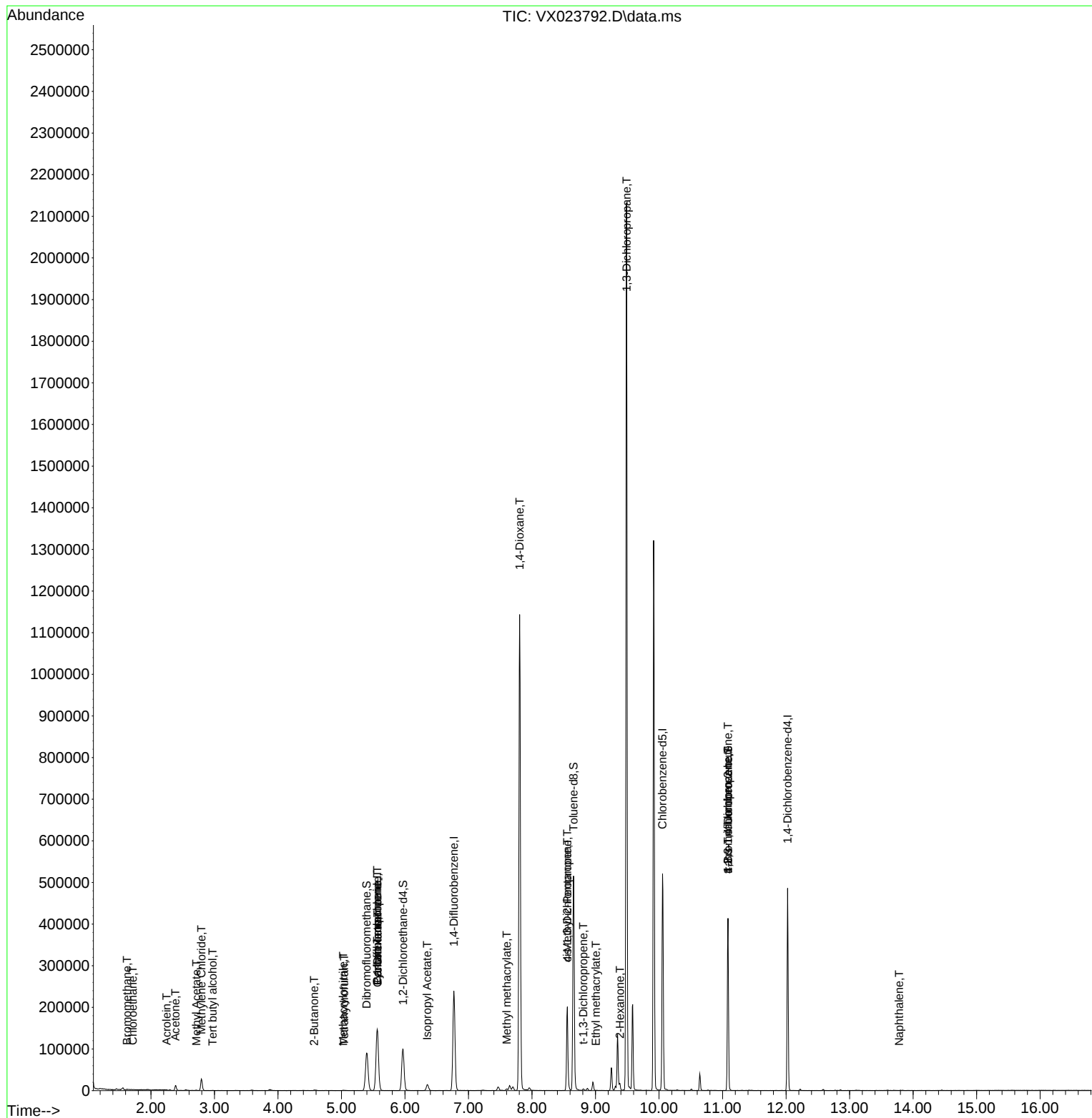
Internal Standards						
1) Pentafluorobenzene	5.562	168	136748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	99758	52.268	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.540%	
35) Dibromofluoromethane	5.397	113	77461	49.600	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.200%	
50) Toluene-d8	8.653	98	298416	50.205	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	11.085	95	102928	47.039	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	460	0.474	ug/l	85
6) Chloroethane	1.715	64	19	2.232	ug/l #	43
11) Tert butyl alcohol	2.971	59	172	0.446	ug/l #	73
13) Acrolein	2.245	56	88	0.383	ug/l #	64
16) Acetone	2.386	43	12576	14.737	ug/l	94
18) Methyl Acetate	2.715	43	1087	0.510	ug/l #	80
20) Methylene Chloride	2.794	84	12235	7.506	ug/l	95
25) 2-Butanone	4.568	43	1653	1.279	ug/l #	76
29) Tetrahydrofuran	5.044	42	546	0.652	ug/l #	30
31) Cyclohexane	5.568	56	3162	1.290	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	10697	4.895	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13850	6.078	ug/l #	15
41) Methacrylonitrile	5.025	41	365	0.251	ug/l #	28
43) Isopropyl Acetate	6.348	43	18722	4.456	ug/l	93
48) Methyl methacrylate	7.604	41	5670	2.766	ug/l #	10
49) 1,4-Dioxane	7.805	88	109	2.516	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	69560	25.613	ug/l #	44
53) t-1,3-Dichloropropene	8.805	75	20	2.144	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	29195	11.155	ug/l #	71
56) Ethyl methacrylate	9.006	69	195	0.825	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	16996	5.945	ug/l #	42
59) 2-Hexanone	9.384	43	8265	3.959	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	54120	24.855	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54120	73.111	ug/l #	12
95) Naphthalene	13.780	128	228	1.315	ug/l #	69

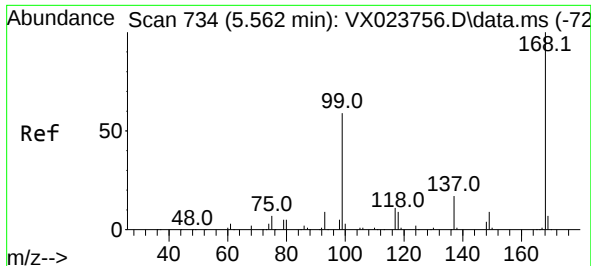
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
21S

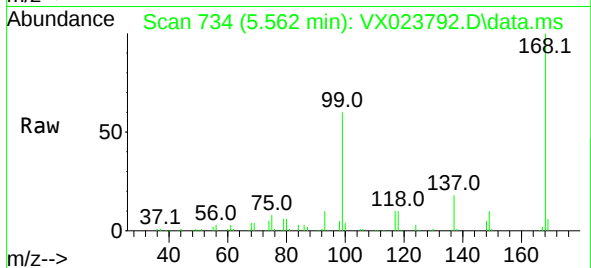
Quant Time: Aug 18 07:03:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
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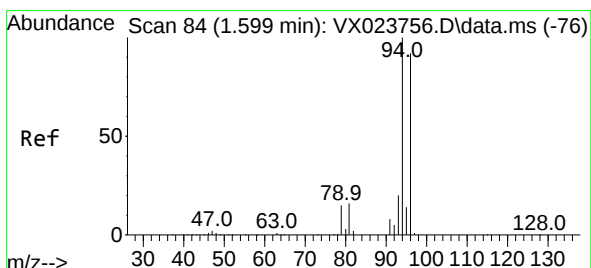
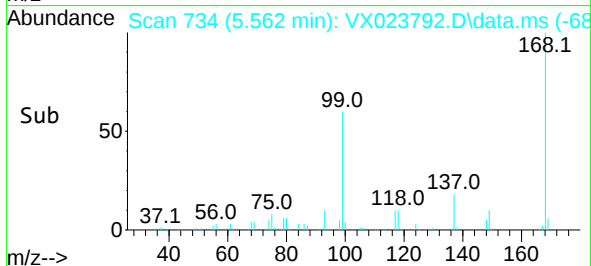
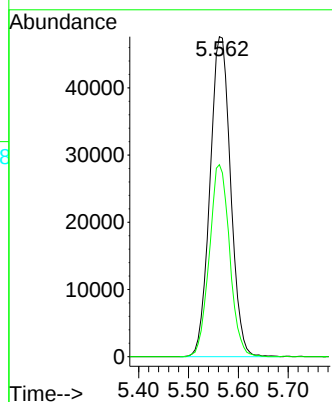


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Instrument :
MSVOA_X
ClientSampled :
21S

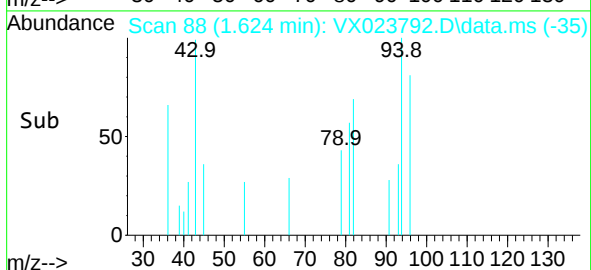
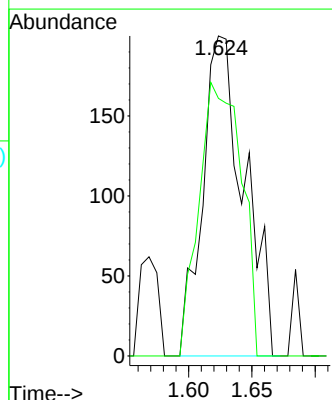
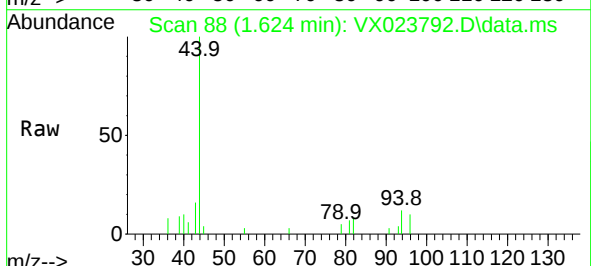


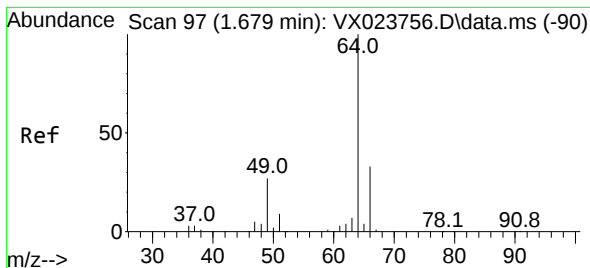
Tgt Ion:168 Resp: 136748
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#5
Bromomethane
Concen: 0.474 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 94 Resp: 460
Ion Ratio Lower Upper
94 100
96 80.5 76.4 114.6

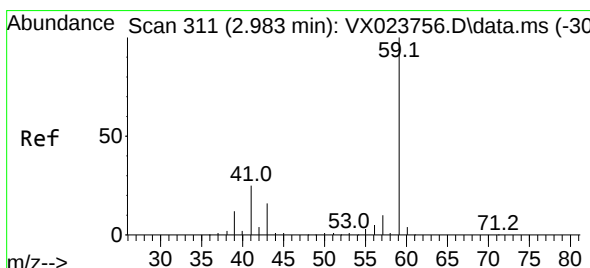
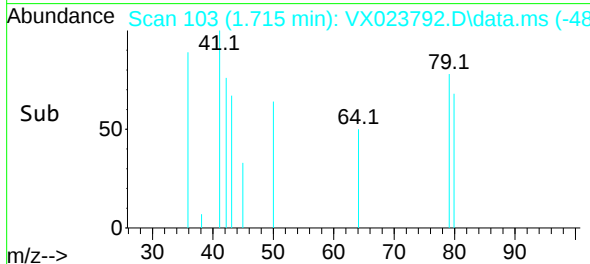
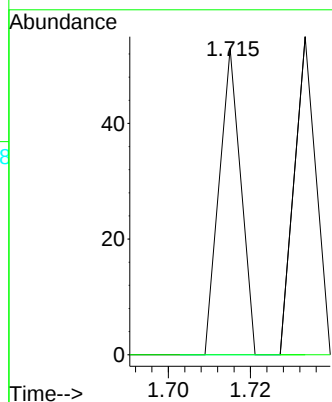
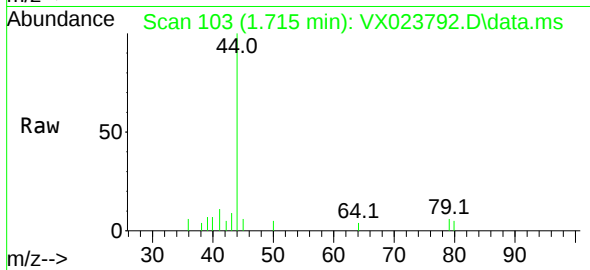




#6
Chloroethane
Concen: 2.232 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.036 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

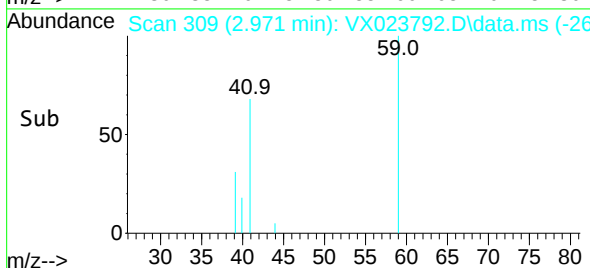
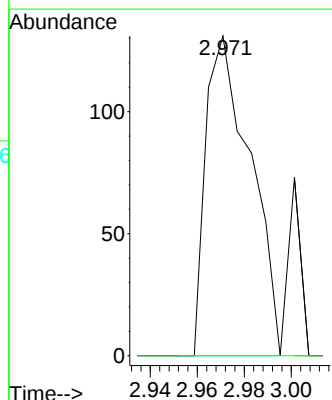
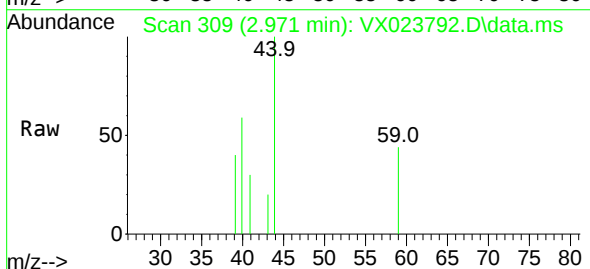
Instrument :
MSVOA_X
ClientSampled :
21S

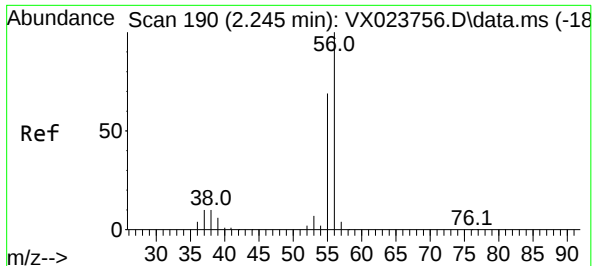
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.446 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

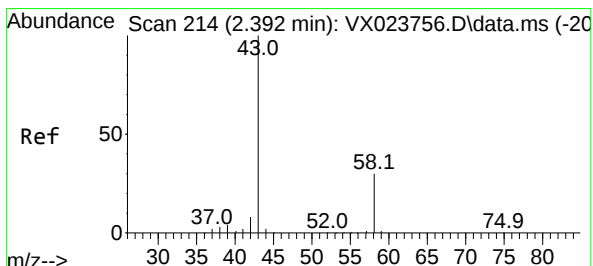
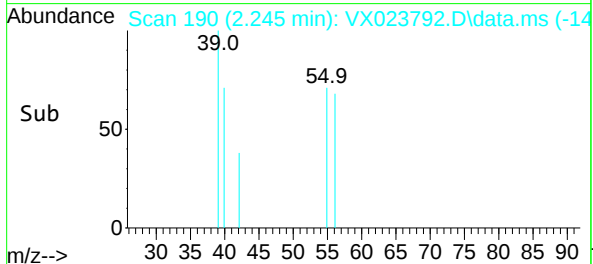
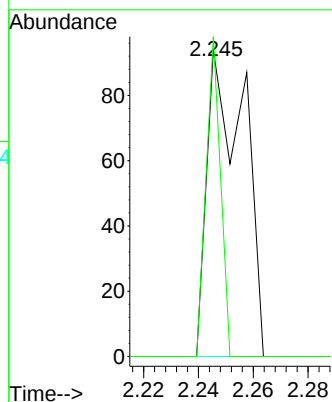
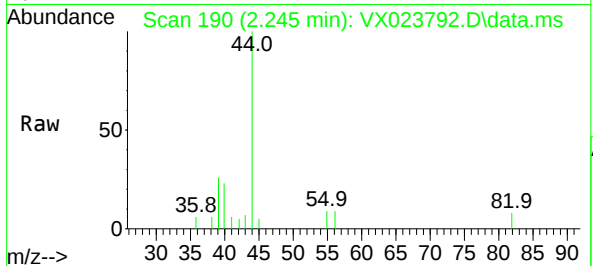




#13
Acrolein
Concen: 0.383 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

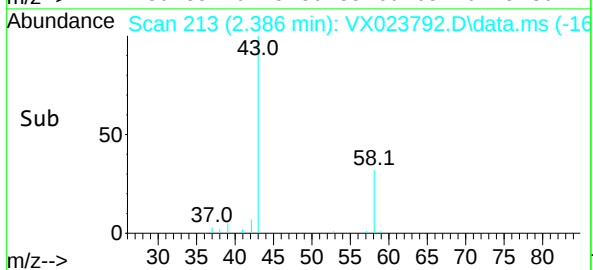
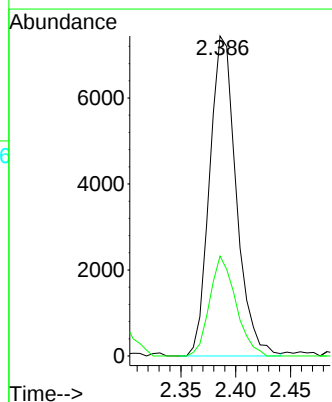
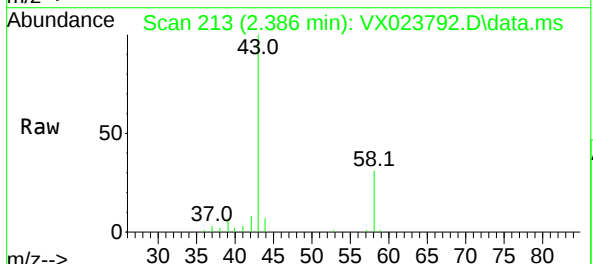
Instrument :
MSVOA_X
ClientSampled :
21S

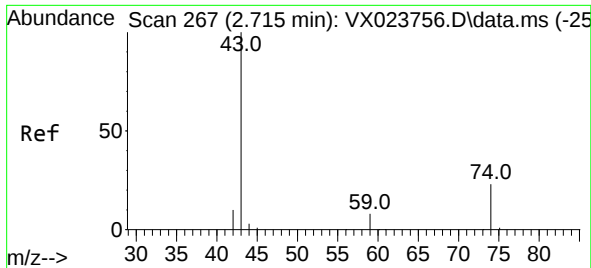
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 40.9 56.4 84.6#



#16
Acetone
Concen: 14.737 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 43 Resp: 12576
Ion Ratio Lower Upper
43 100
58 31.2 27.8 41.8

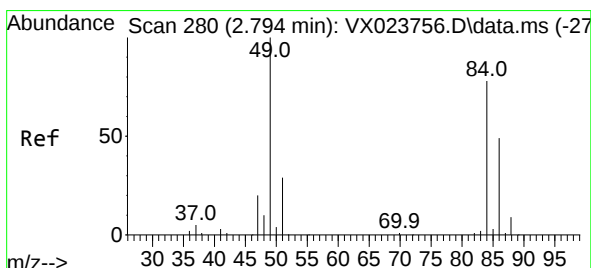
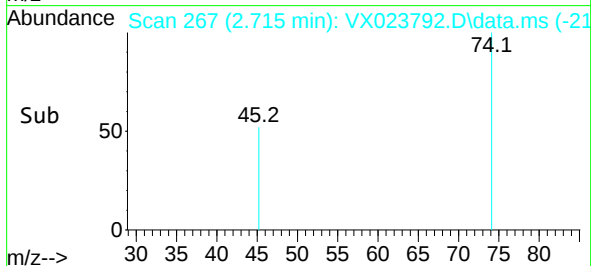
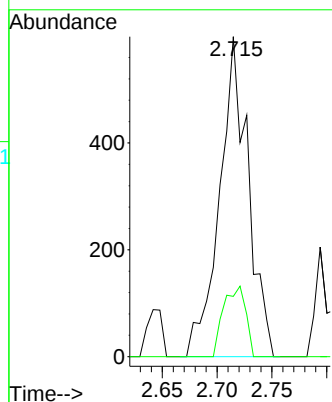
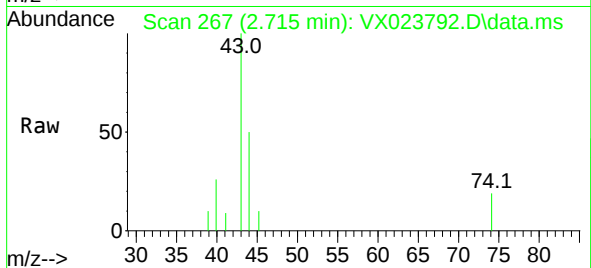




#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

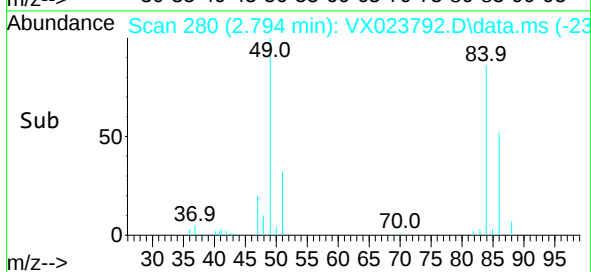
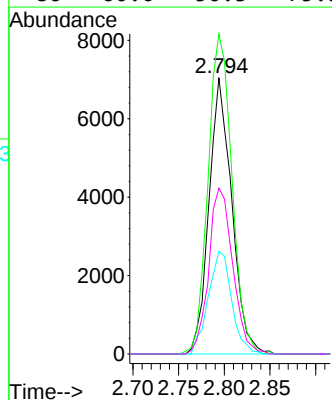
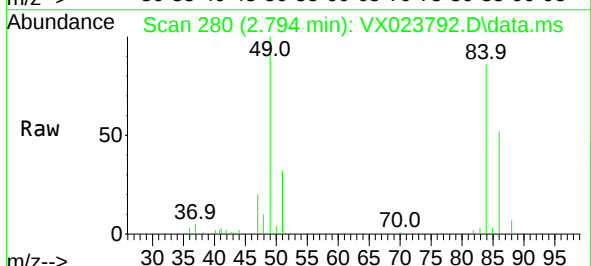
Instrument :
MSVOA_X
ClientSampled :
21S

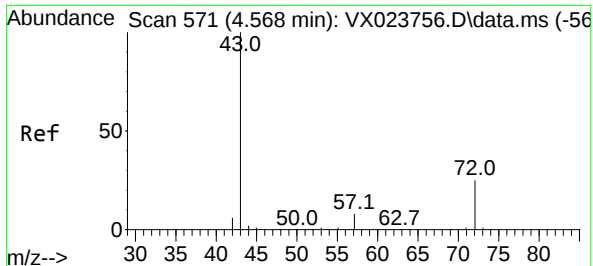
Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
74 17.1 21.9 32.9#



#20
Methylene Chloride
Concen: 7.506 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 84 Resp: 12235
Ion Ratio Lower Upper
84 100
49 115.8 88.6 132.8
51 37.2 27.0 40.6
86 60.0 50.3 75.5

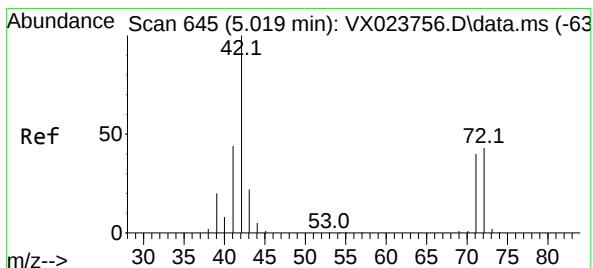
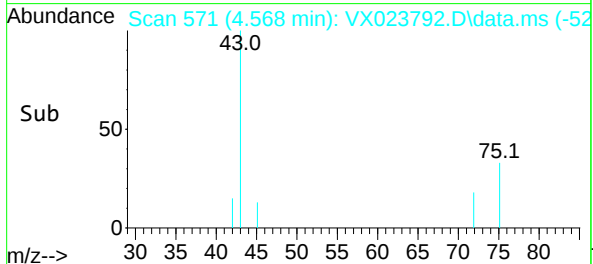
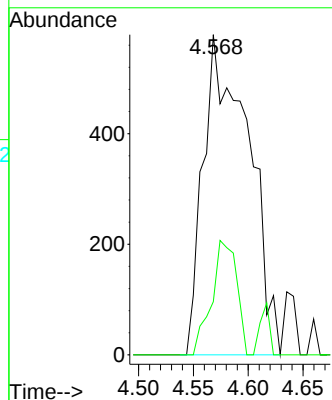
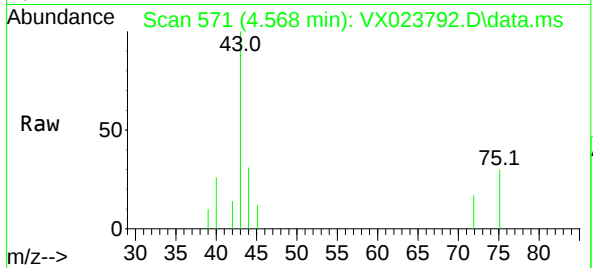




#25
2-Butanone
Concen: 1.279 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

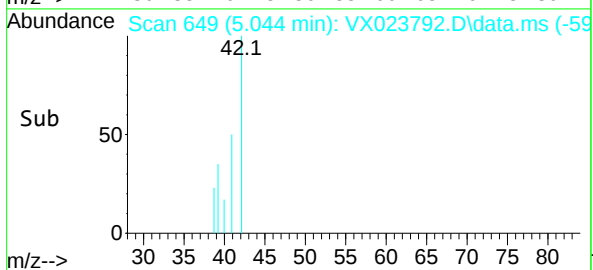
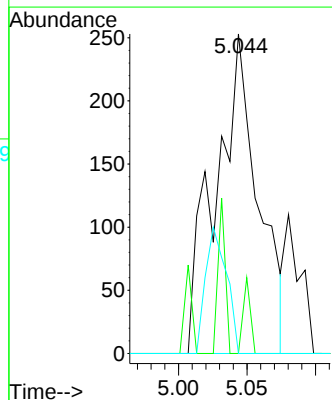
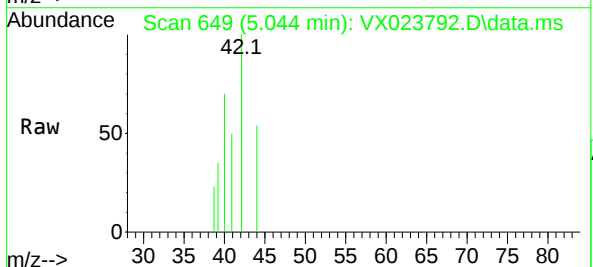
Instrument :
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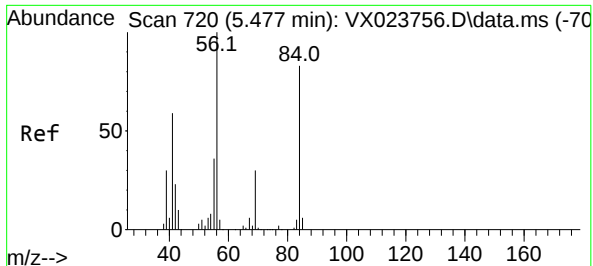
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
72 16.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.652 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

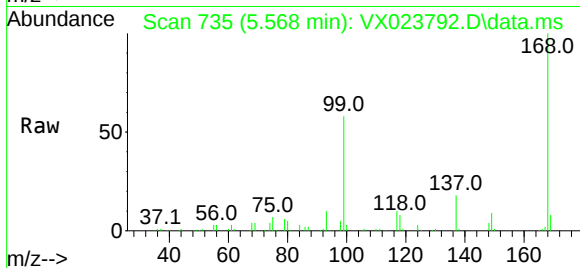
Tgt Ion: 42 Resp: 546
Ion Ratio Lower Upper
42 100
72 4.0 41.7 62.5#
71 0.0 38.4 57.6#



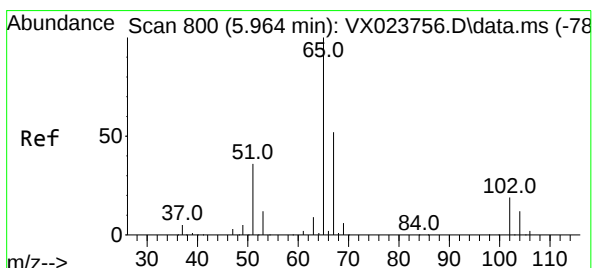
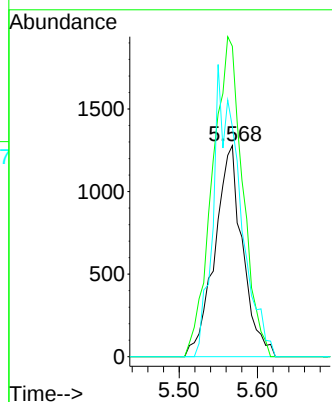
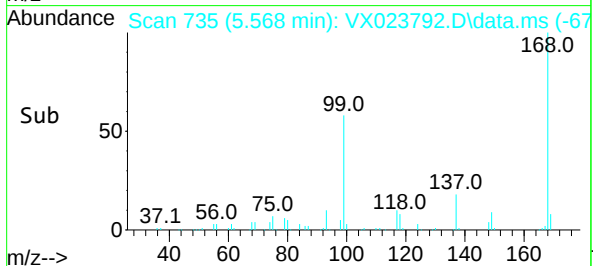


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

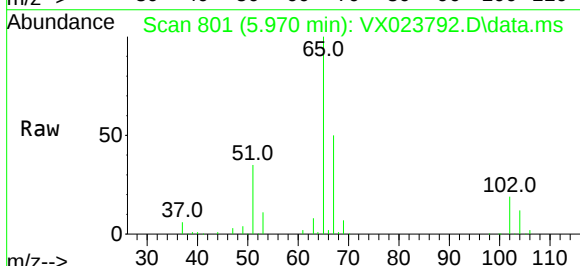
Instrument :
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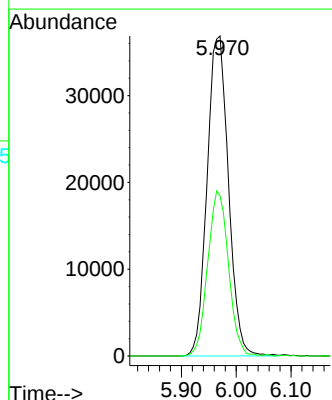
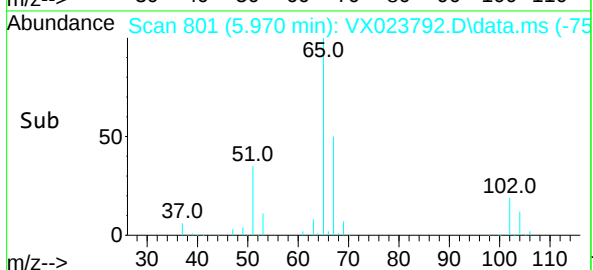
Tgt Ion: 56 Resp: 3162
Ion Ratio Lower Upper
56 100
69 147.1 25.3 37.9#
84 108.9 71.4 107.0#

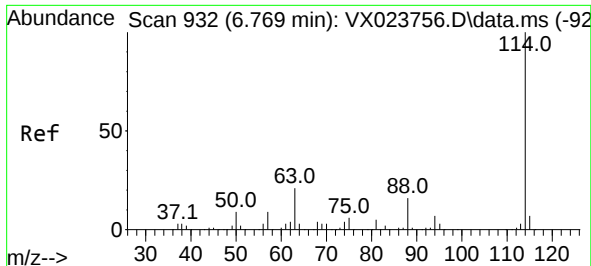


#33
1,2-Dichloroethane-d4
Concen: 52.268 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28



Tgt Ion: 65 Resp: 99758
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

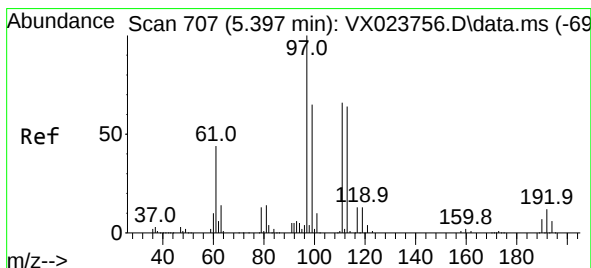
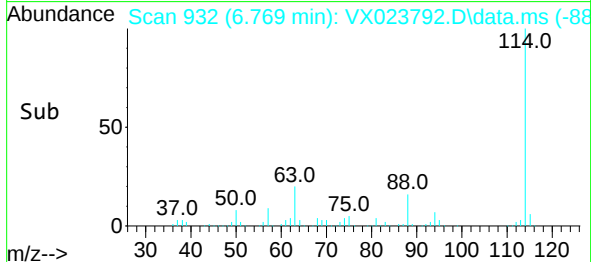
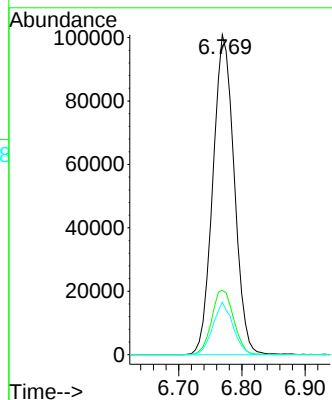
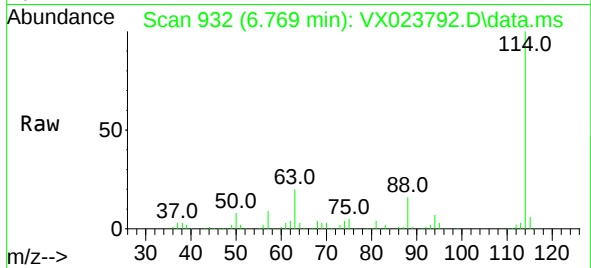




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

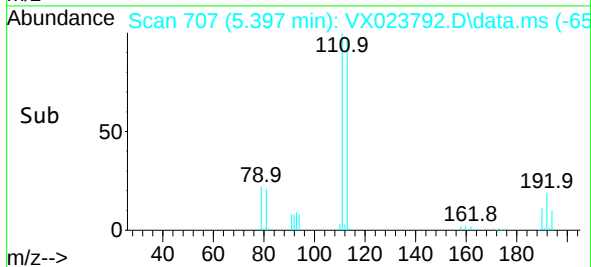
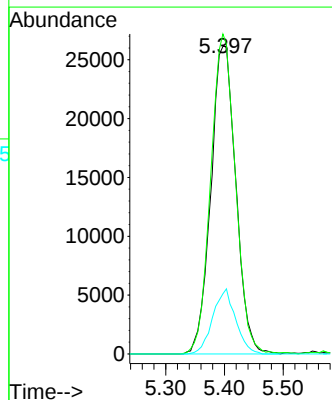
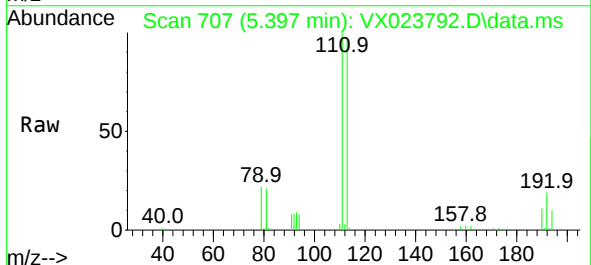
Instrument :
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21S

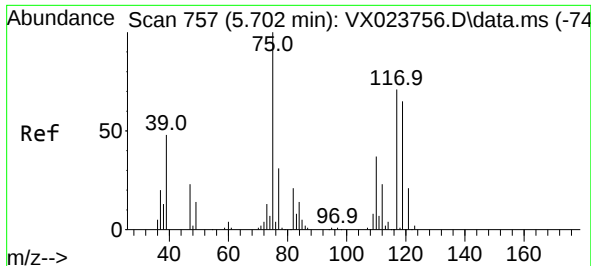
Tgt Ion:114 Resp: 235954
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.600 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion:113 Resp: 77461
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.3 16.7 25.1

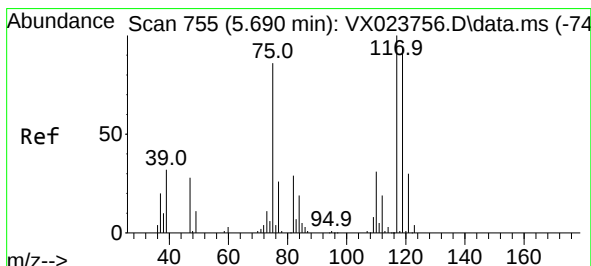
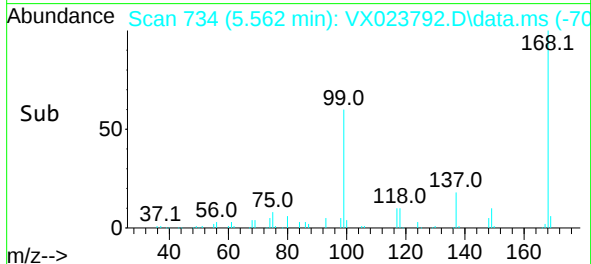
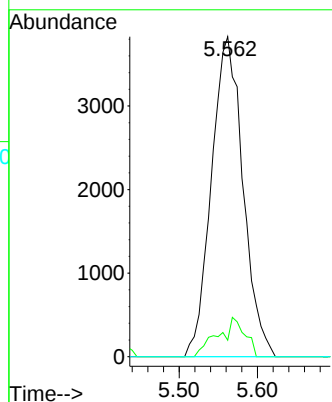
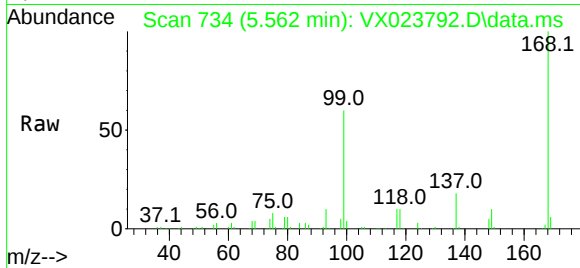




#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

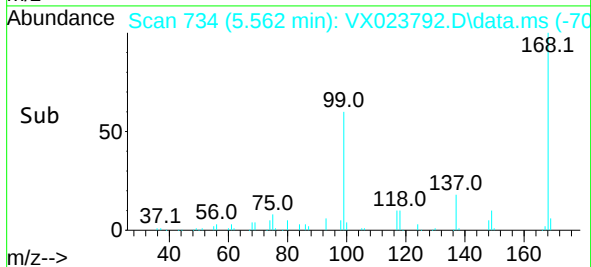
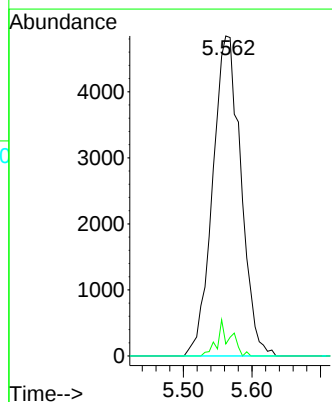
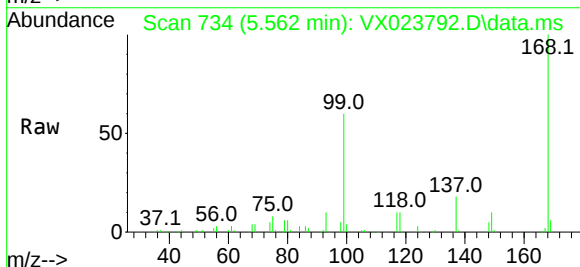
Instrument :
MSVOA_X
ClientSampled :
21S

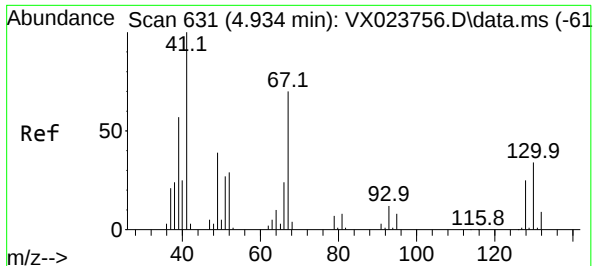
Tgt Ion: 75 Resp: 10697
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 117 Resp: 13850
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.2#
121 0.0 24.8 37.2#

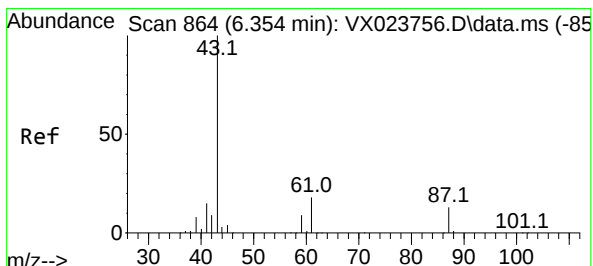
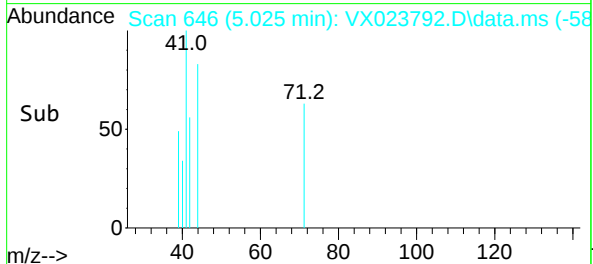
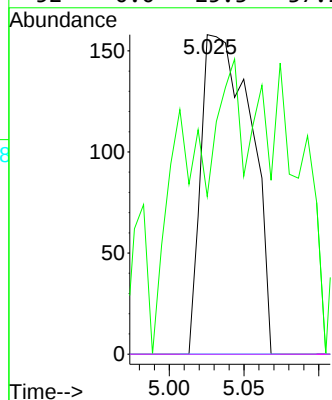
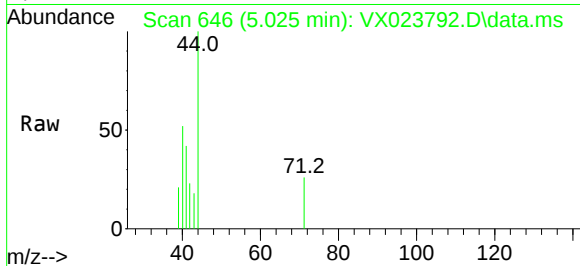




#41
Methacrylonitrile
Concen: 0.251 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.091 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

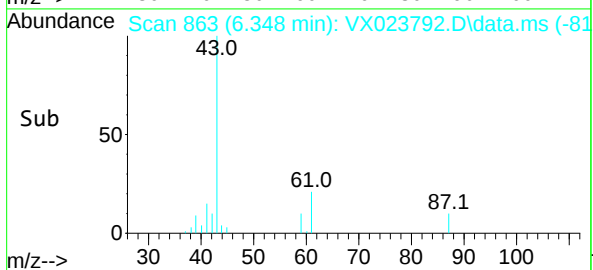
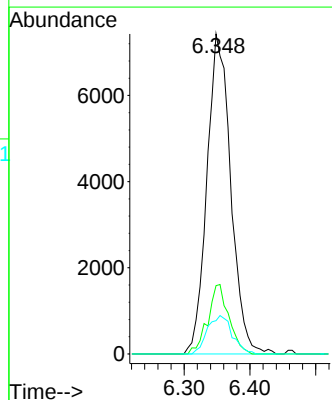
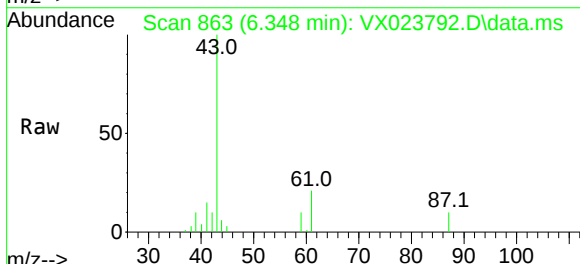
Instrument :
MSVOA_X
ClientSampled :
21S

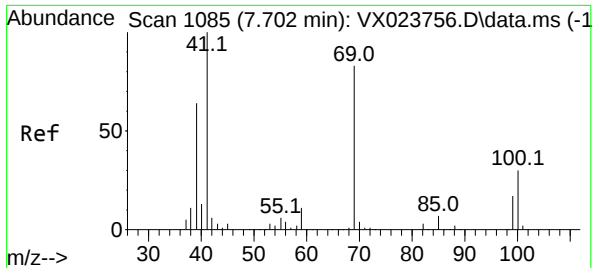
Tgt Ion:	41	Resp:	365
Ion	Ratio	Lower	Upper
41	100		
39	17.0	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.456 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion:	43	Resp:	18722
Ion	Ratio	Lower	Upper
43	100		
61	19.2	18.2	27.4
87	12.5	12.5	18.7

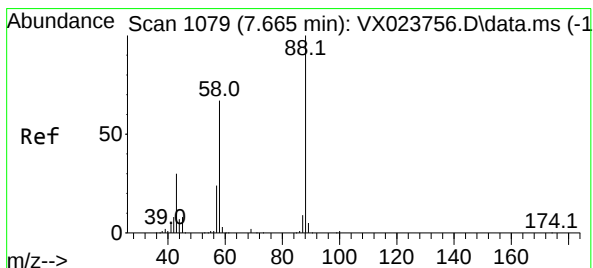
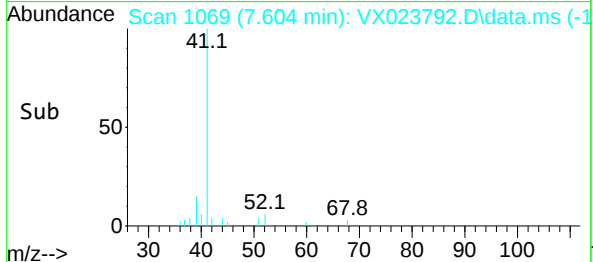
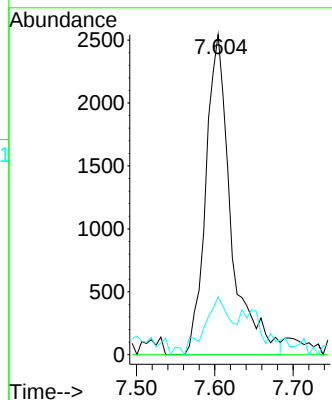
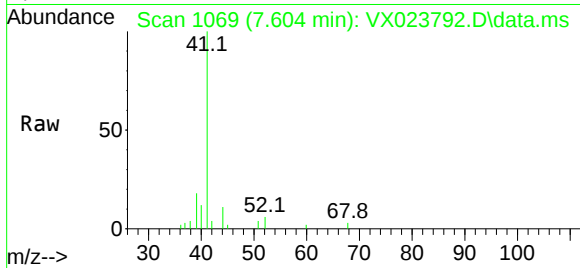




#48
Methyl methacrylate
Concen: 2.766 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

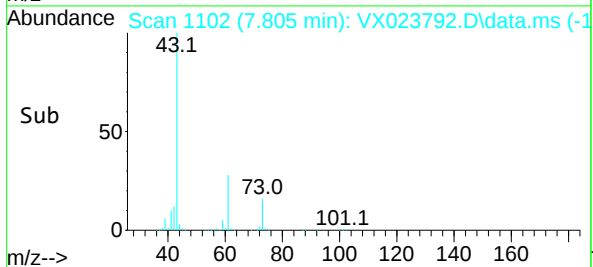
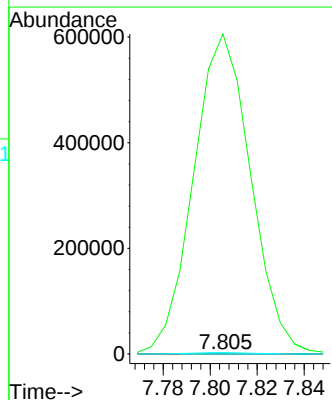
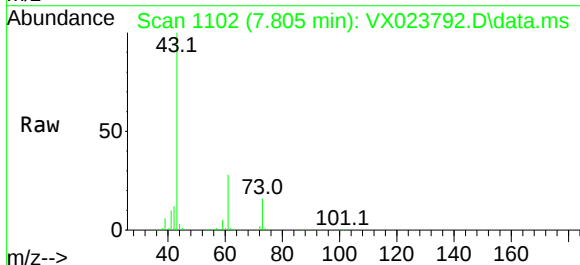
Instrument :
MSVOA_X
ClientSampled :
21S

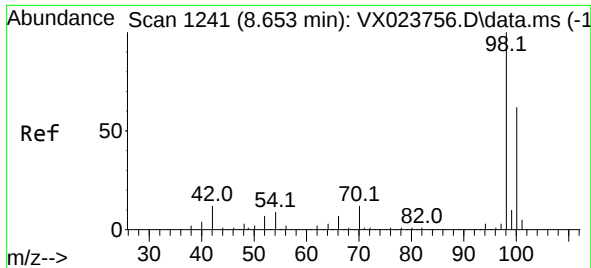
Tgt Ion: 41 Resp: 5670
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.516 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 949731.2 23.2 34.8#
58 4394.5 55.0 82.4#

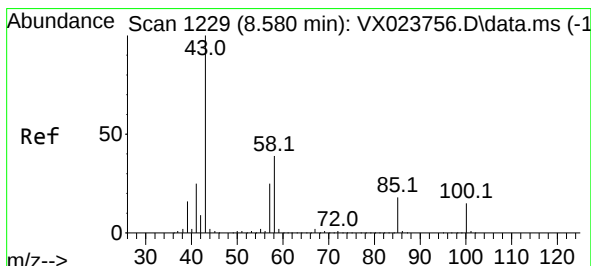
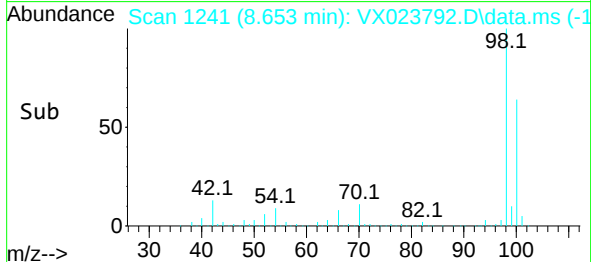
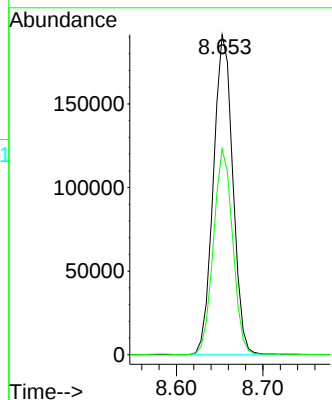
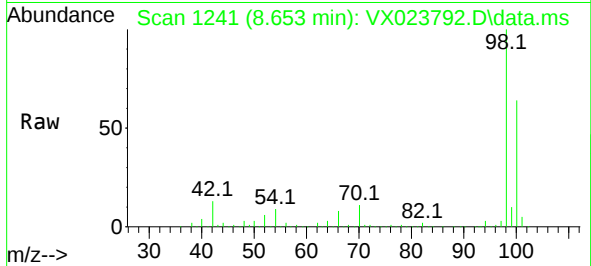




#50
Toluene-d8
Concen: 50.205 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

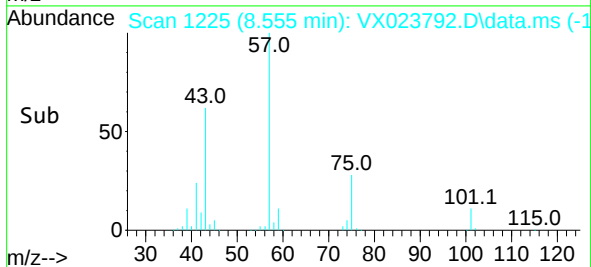
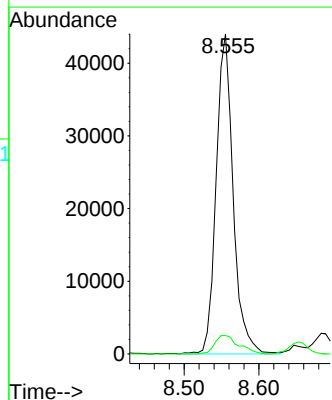
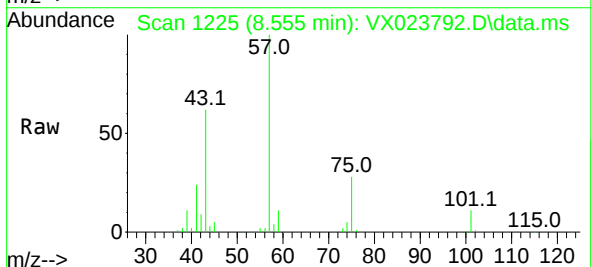
Instrument :
MSVOA_X
ClientSampled :
21S

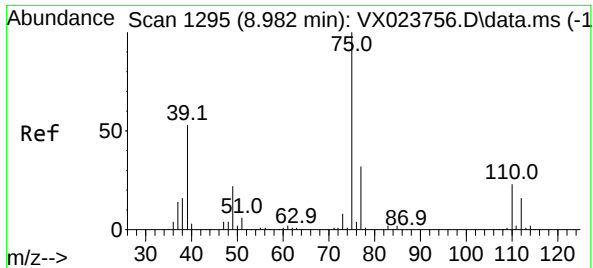
Tgt Ion: 98 Resp: 298416
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.613 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 43 Resp: 69560
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#

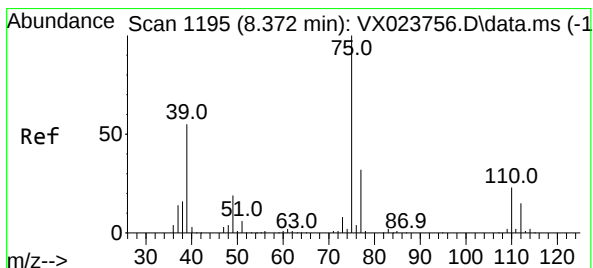
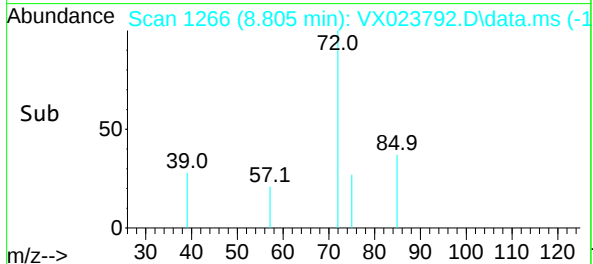
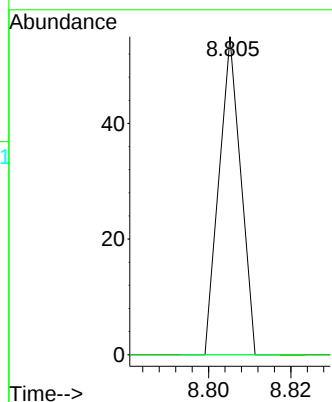
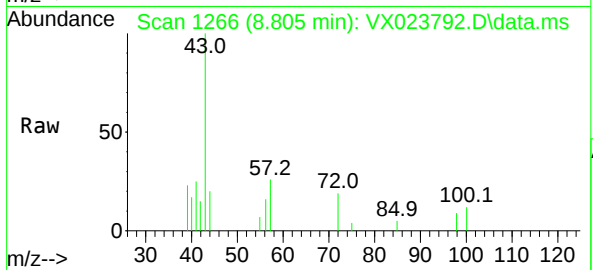




#53
t-1,3-Dichloropropene
Concen: 2.144 ug/l
RT: 8.805 min Scan# 1266
Delta R.T. -0.177 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

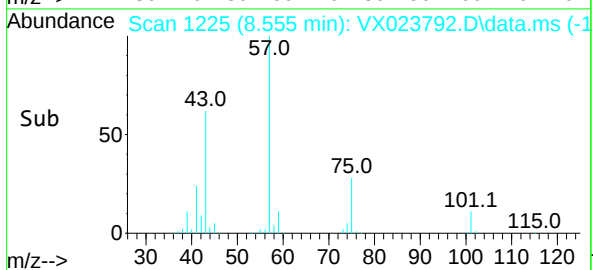
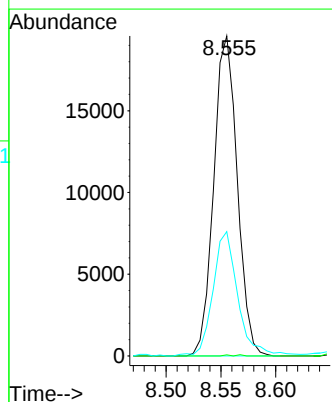
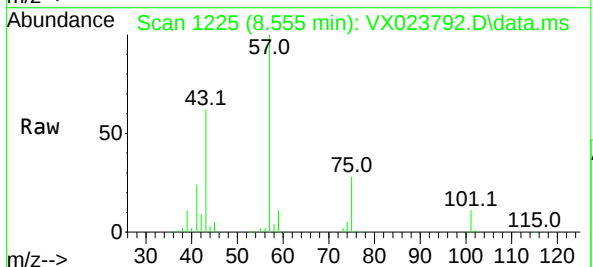
Instrument :
MSVOA_X
ClientSampled :
21S

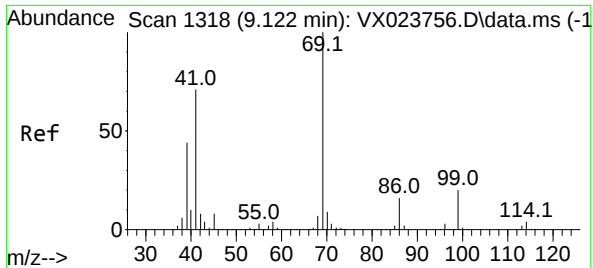
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 11.155 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 75 Resp: 29195
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 38.3 35.1 52.7

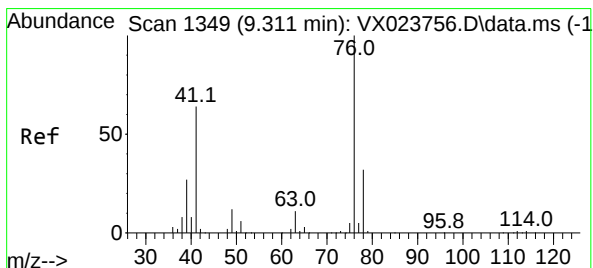
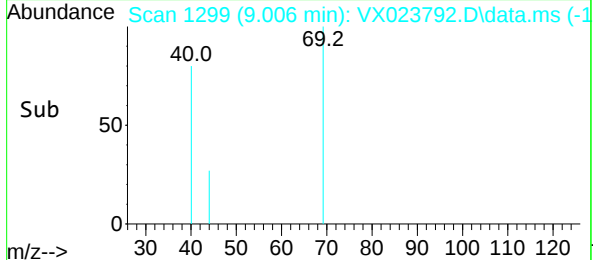
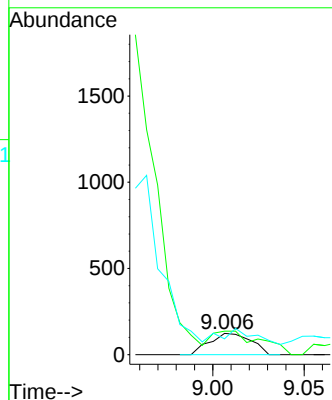
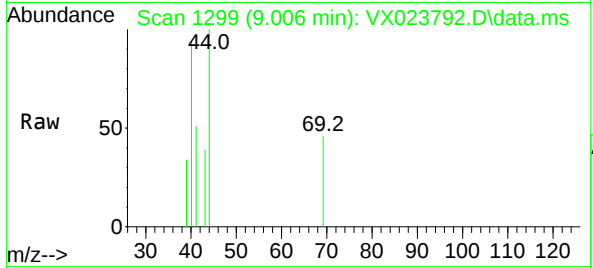




#56
Ethyl methacrylate
Concen: 0.825 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. -0.116 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

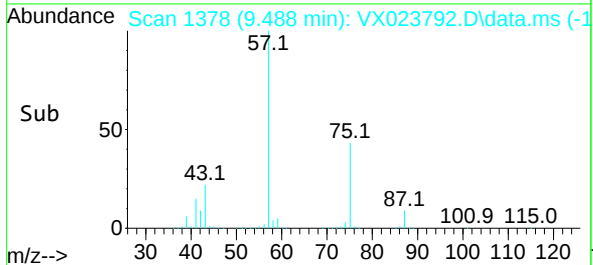
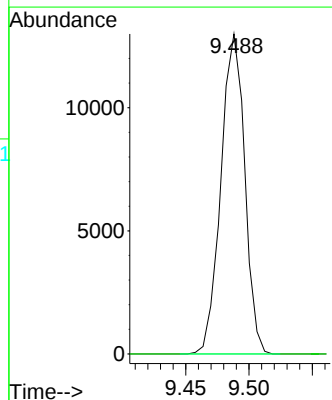
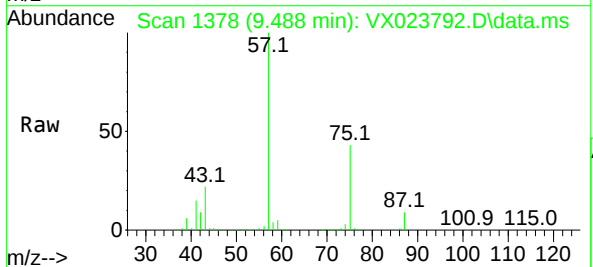
Instrument :
MSVOA_X
ClientSampled :
21S

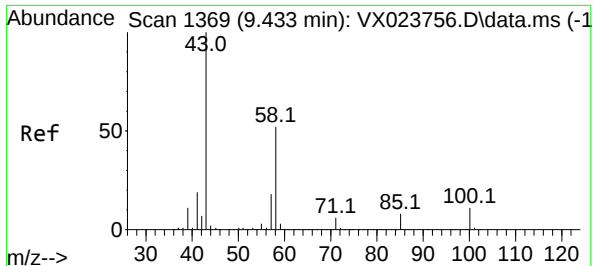
Tgt Ion: 69 Resp: 195
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 5.945 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 76 Resp: 16996
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

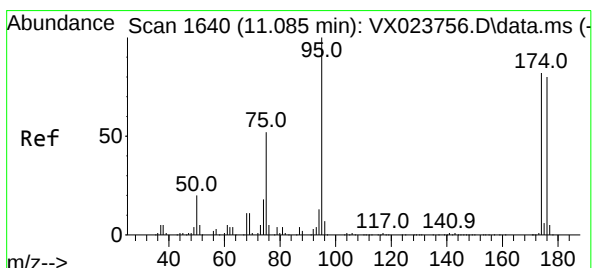
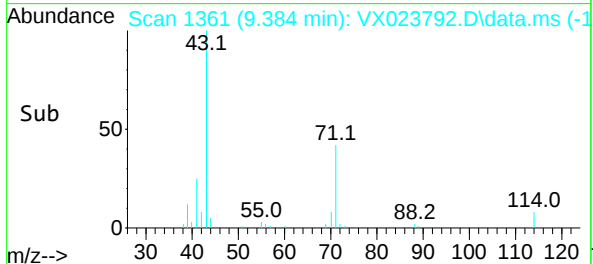
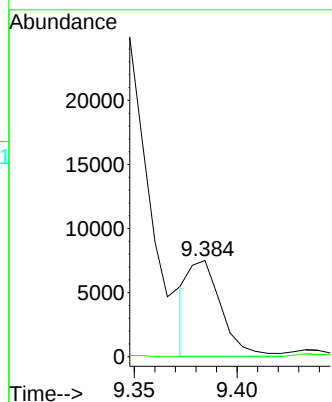
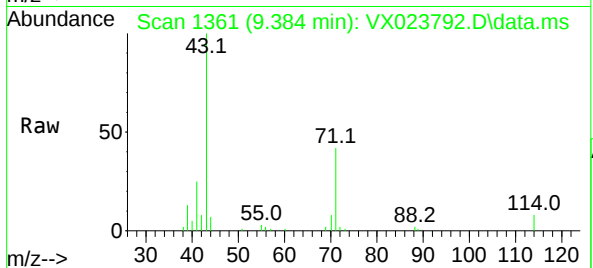




#59
2-Hexanone
Concen: 3.959 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

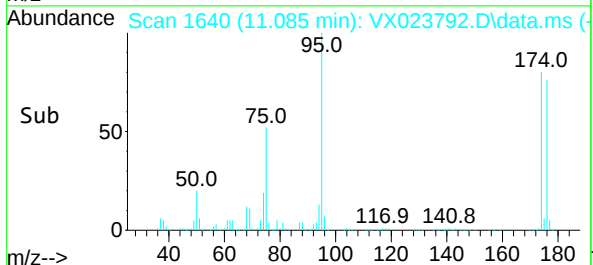
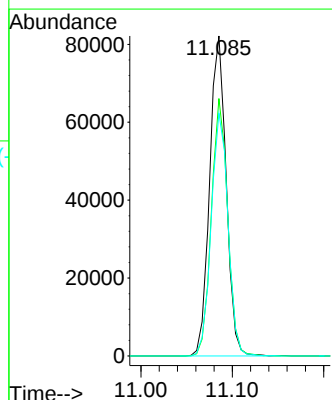
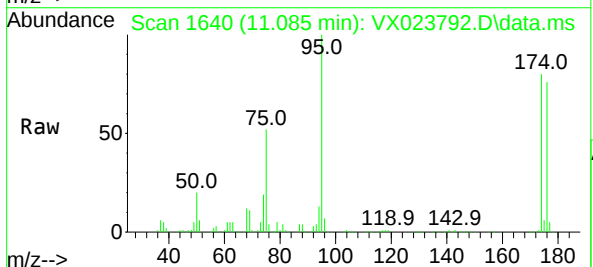
Instrument :
MSVOA_X
ClientSampled :
21S

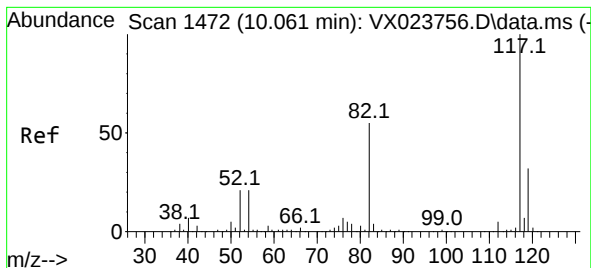
Tgt Ion: 43 Resp: 8265
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.039 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion: 95 Resp: 102928
Ion Ratio Lower Upper
95 100
174 79.4 0.0 154.6
176 77.3 0.0 155.8

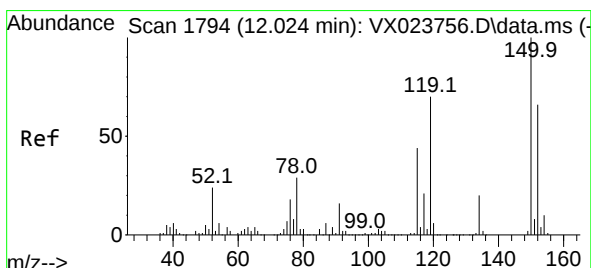
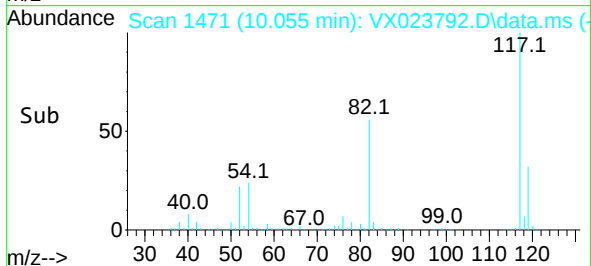
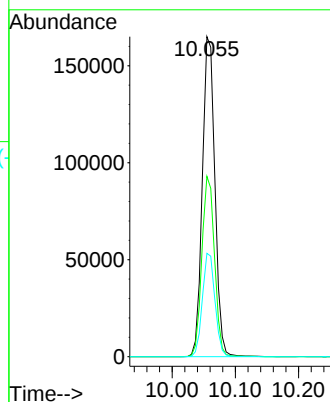
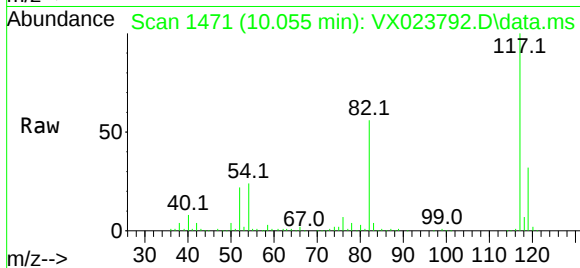




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

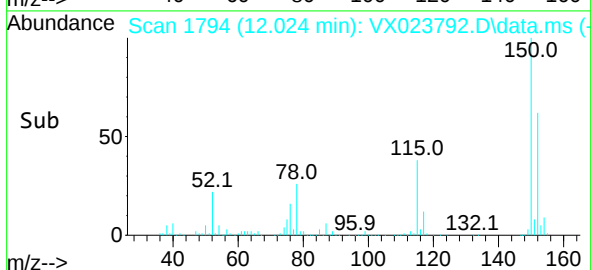
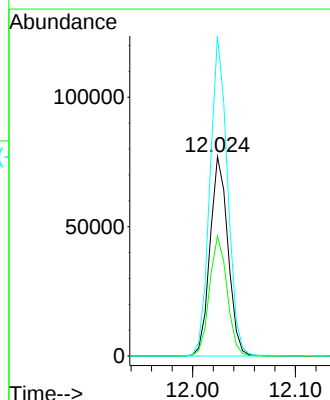
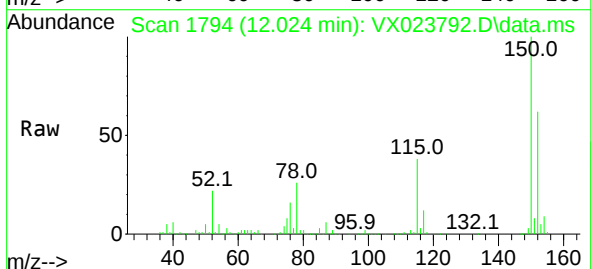
Instrument :
MSVOA_X
ClientSampled :
21S

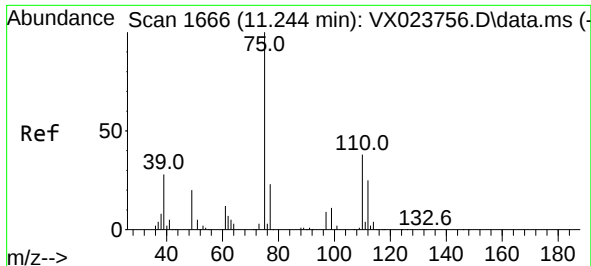
Tgt Ion:117 Resp: 228687
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Tgt Ion:152 Resp: 93343
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 157.3 0.0 349.0

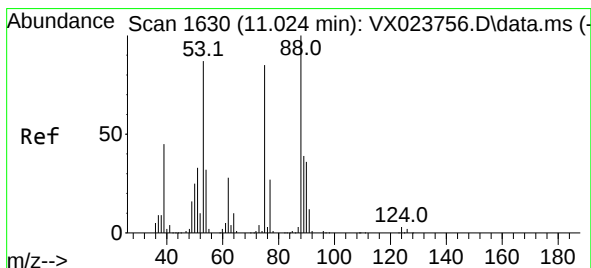
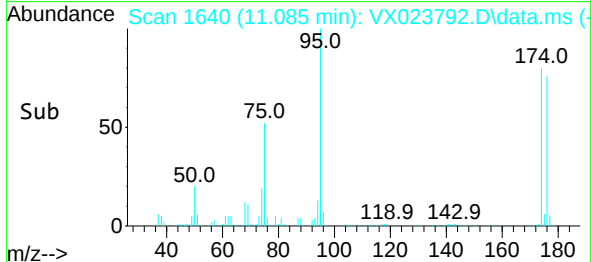
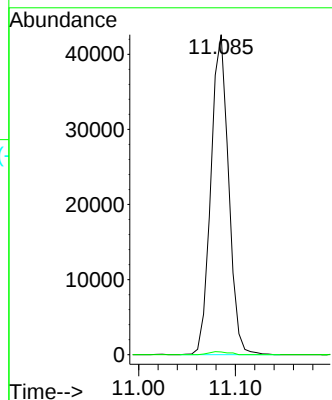
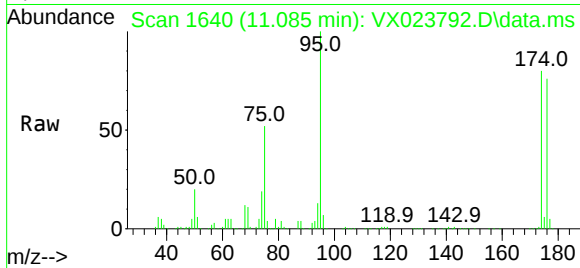




#76
1,2,3-Trichloropropane
Concen: 24.855 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

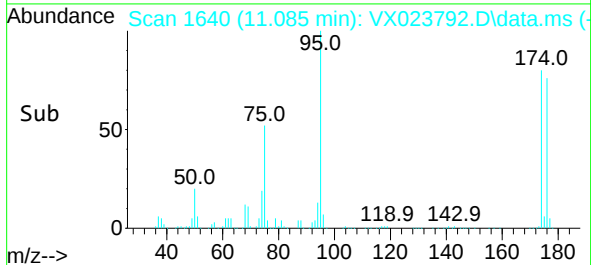
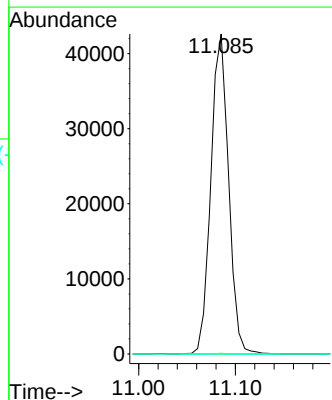
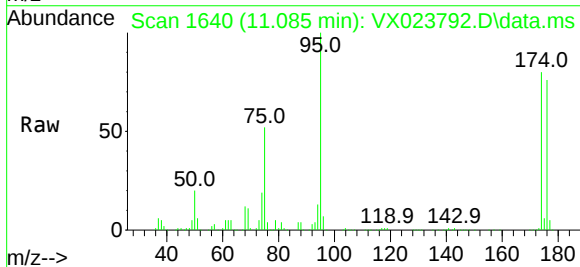
Instrument :
MSVOA_X
ClientSampled :
21S

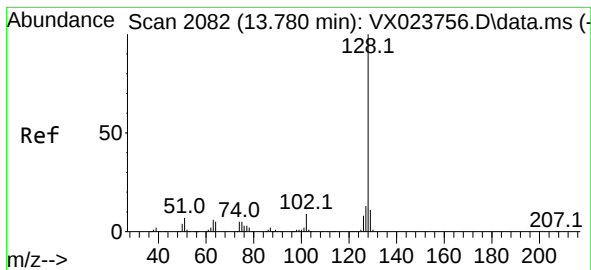
Tgt Ion: 75 Resp: 54120
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.111 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

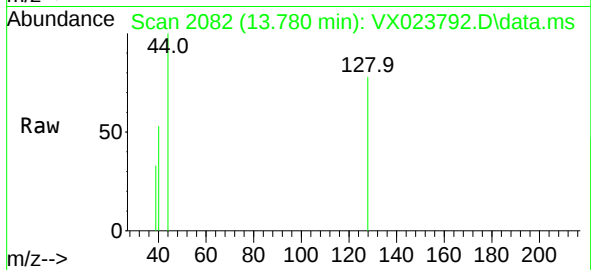
Tgt Ion: 75 Resp: 54120
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.315 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023792.D
Acq: 18 Aug 2021 03:28

Instrument :
MSVOA_X
ClientSampleId :
21S



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

