

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023793.D
 Acq On : 18 Aug 2021 03:52
 Operator : JC/MD
 Sample : M3425-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22N

Quant Time: Aug 18 07:04:02 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)

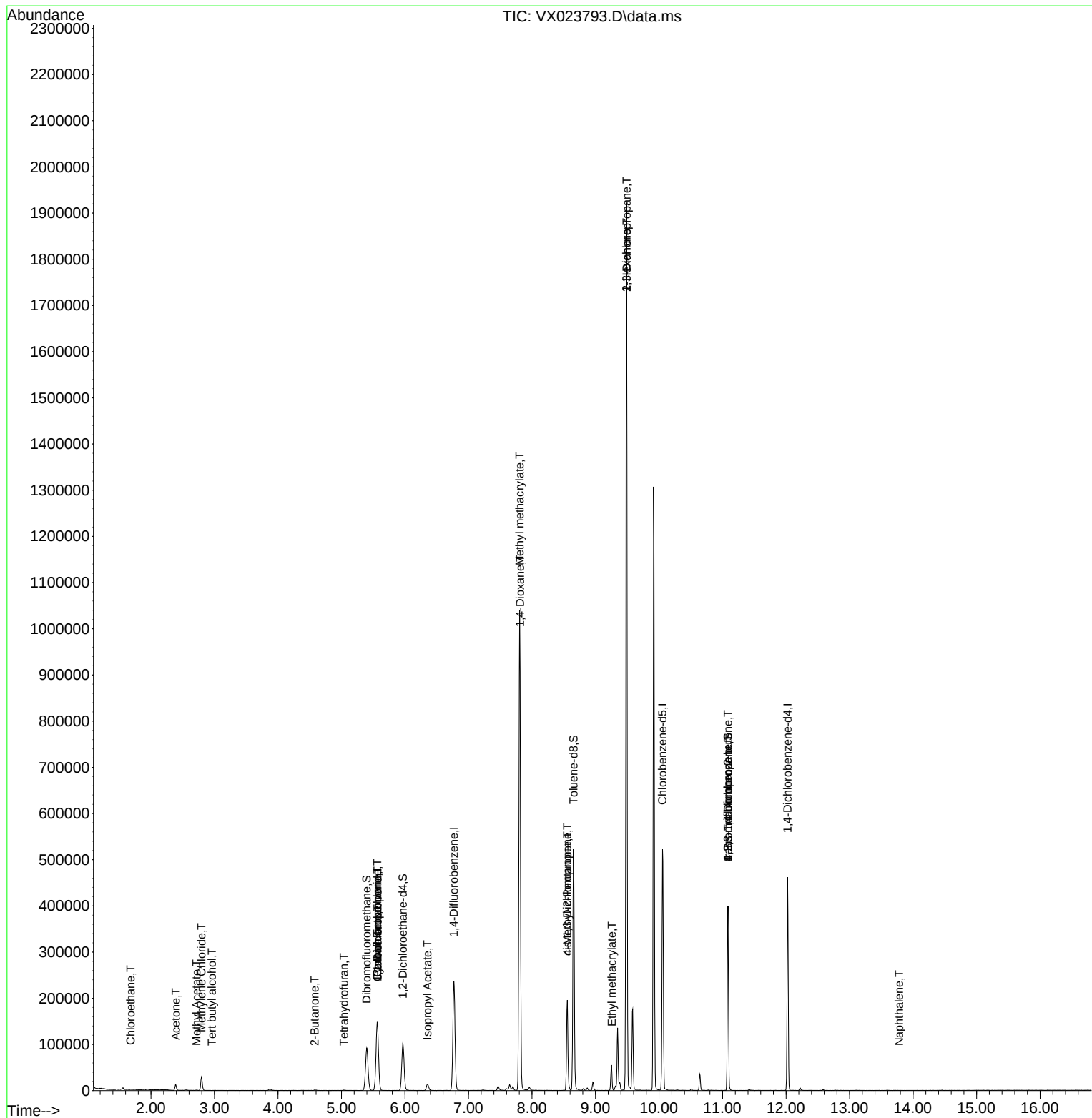
Internal Standards						
1) Pentafluorobenzene	5.562	168	138496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98149	50.776	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.560%	
35) Dibromofluoromethane	5.397	113	76886	49.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.520%	
50) Toluene-d8	8.653	98	301233	50.712	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	11.085	95	100352	45.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	88	2.282	ug/l #	1
11) Tert butyl alcohol	2.959	59	156	0.399	ug/l #	73
16) Acetone	2.392	43	13175	15.244	ug/l	95
18) Methyl Acetate	2.715	43	1072	0.497	ug/l #	82
20) Methylene Chloride	2.794	84	12498	7.570	ug/l	93
25) 2-Butanone	4.574	43	1914	1.462	ug/l	92
29) Tetrahydrofuran	5.038	42	656	0.774	ug/l #	58
31) Cyclohexane	5.568	56	3153	1.270	ug/l #	40
36) 1,1-Dichloropropene	5.568	75	10683	4.892	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13690	6.012	ug/l #	17
43) Isopropyl Acetate	6.355	43	18848	4.489	ug/l	92
48) Methyl methacrylate	7.806	41	94805	46.287	ug/l #	38
49) 1,4-Dioxane	7.812	88	184	4.251	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	66932	24.661	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27967	10.692	ug/l #	73
56) Ethyl methacrylate	9.256	69	213	0.831	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	15525	5.434	ug/l #	42
59) 2-Hexanone	9.488	43	229028	109.780	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	54800	26.306	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54800	77.379	ug/l #	12
95) Naphthalene	13.780	128	221	1.315	ug/l #	69

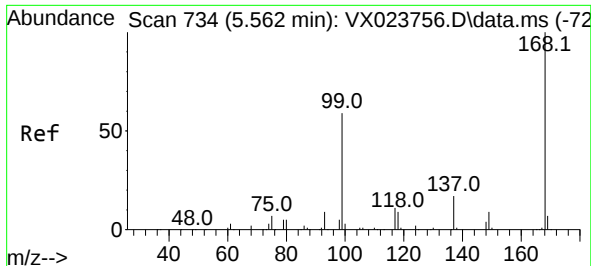
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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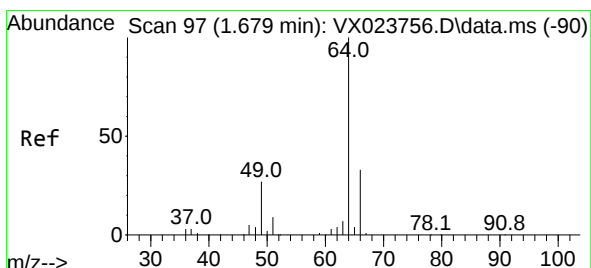
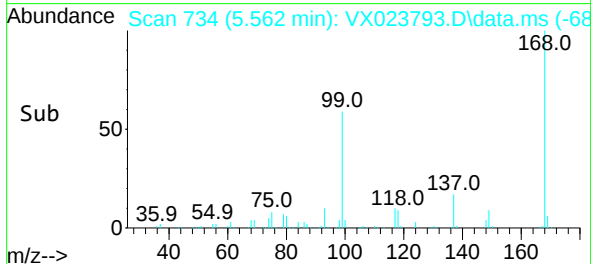
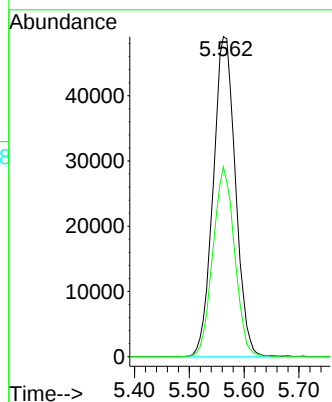
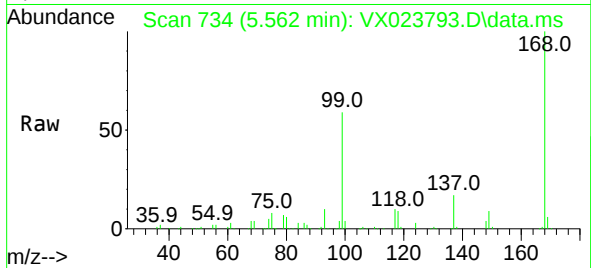




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

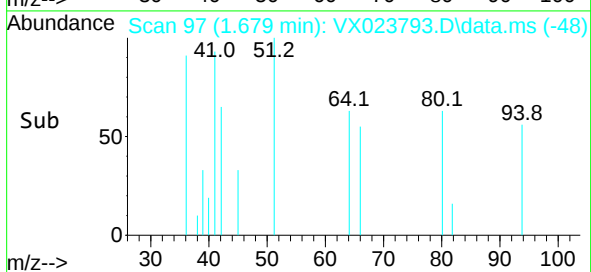
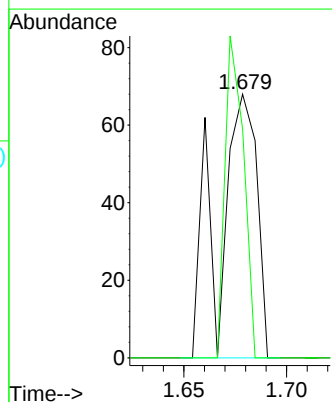
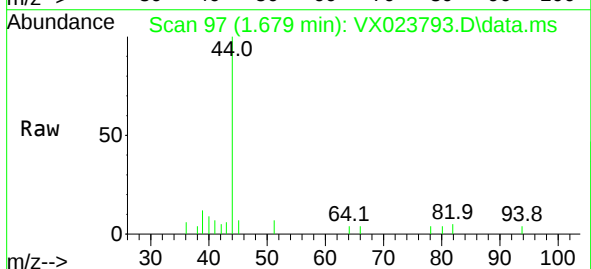
Instrument :
MSVOA_X
ClientSampleId :
22N

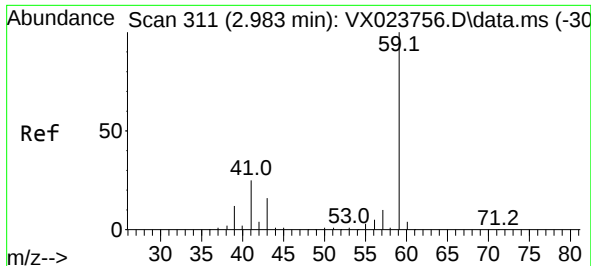
Tgt Ion:168 Resp: 138496
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#6
Chloroethane
Concen: 2.282 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 86.8 25.4 38.0#



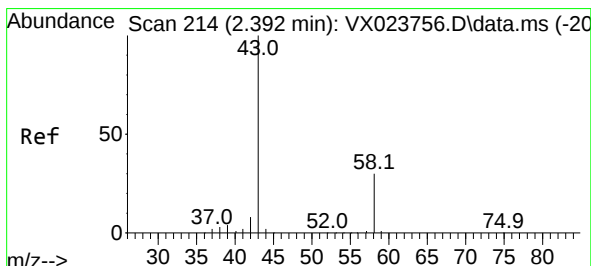
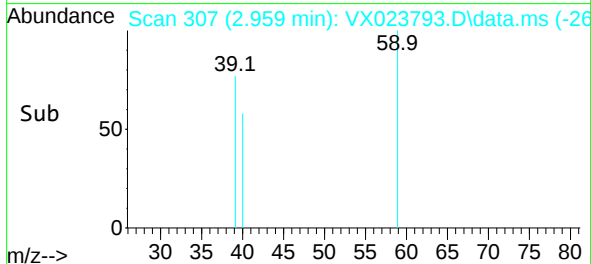
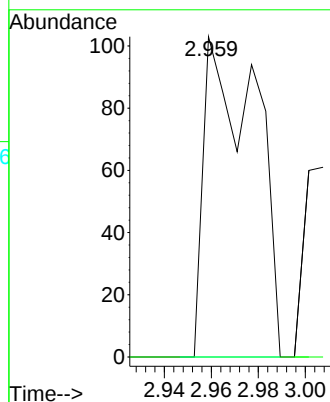
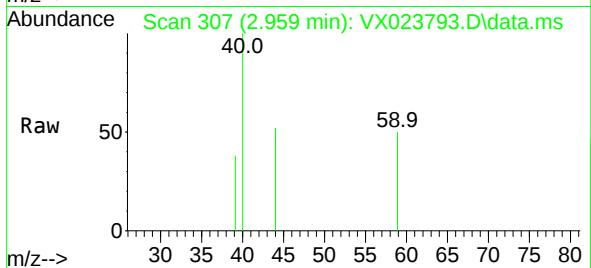


#11

Tert butyl alcohol
Concen: 0.399 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Instrument :
MSVOA_X
ClientSampled :
22N

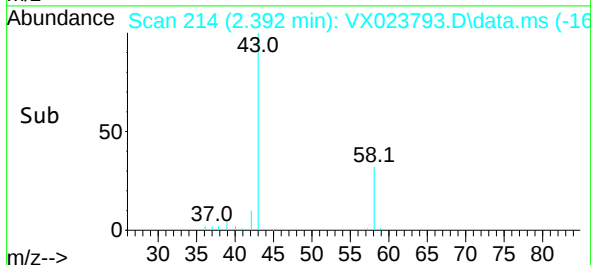
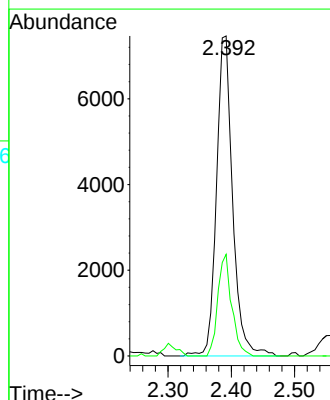
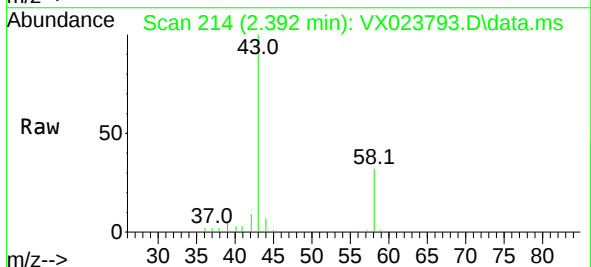
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

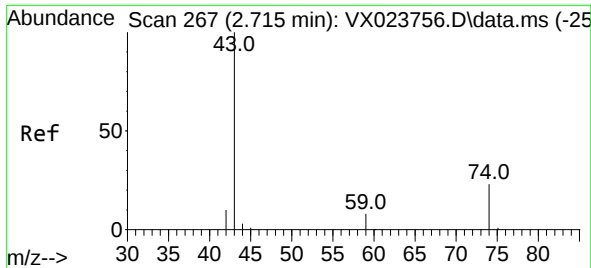


#16

Acetone
Concen: 15.244 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 43 Resp: 13175
Ion Ratio Lower Upper
43 100
58 31.8 27.8 41.8

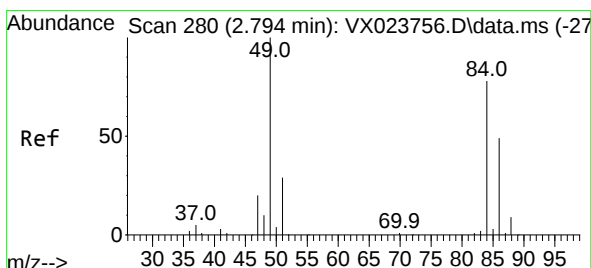
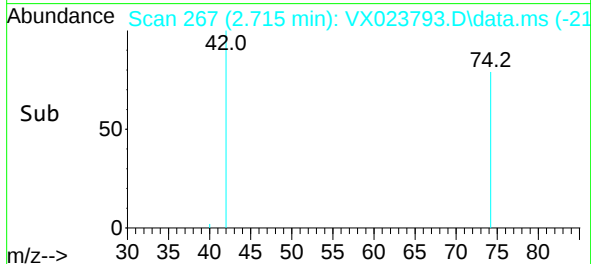
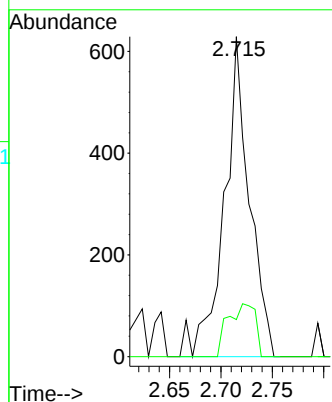
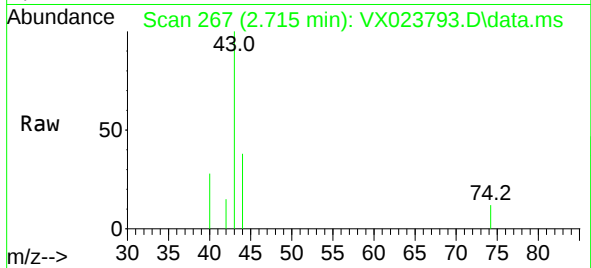




#18
Methyl Acetate
Concen: 0.497 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

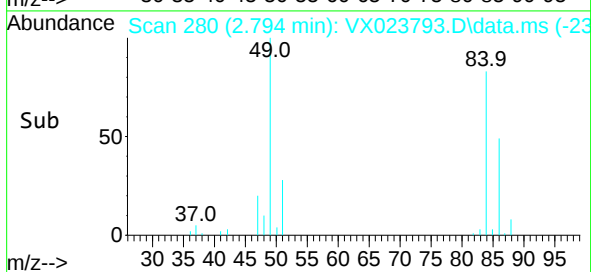
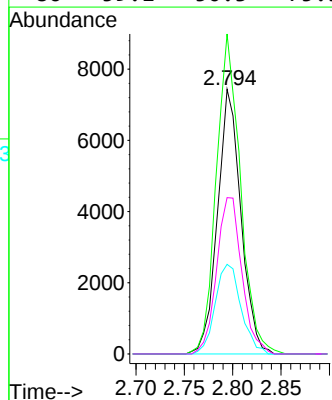
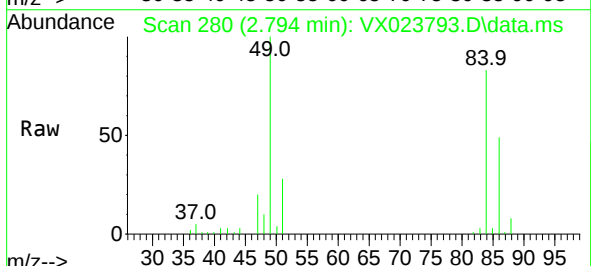
Instrument :
MSVOA_X
ClientSampled :
22N

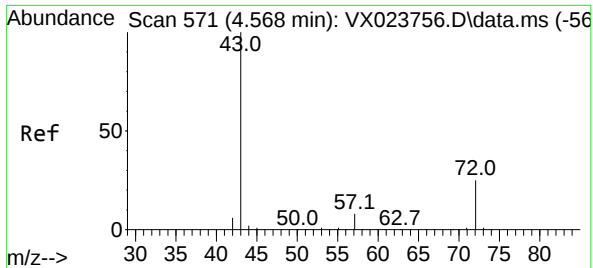
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
74 17.9 21.9 32.9#



#20
Methylene Chloride
Concen: 7.570 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 84 Resp: 12498
Ion Ratio Lower Upper
84 100
49 120.9 88.6 132.8
51 33.8 27.0 40.6
86 59.1 50.3 75.5

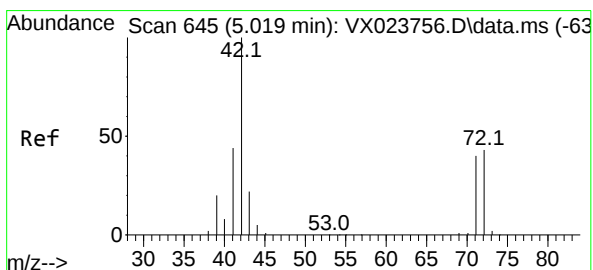
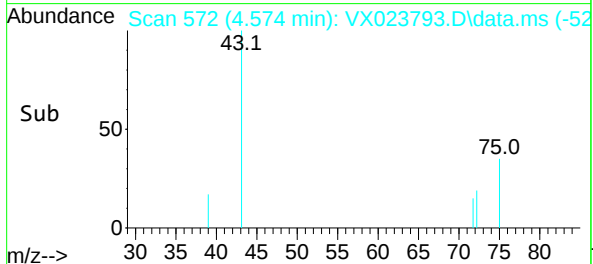
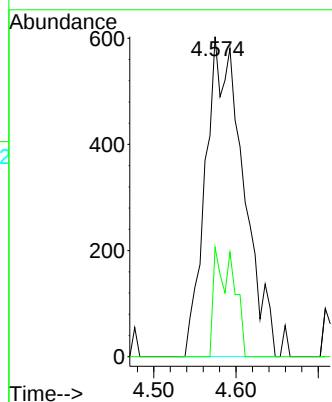
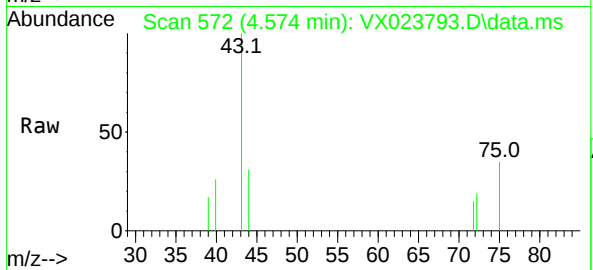




#25
2-Butanone
Concen: 1.462 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

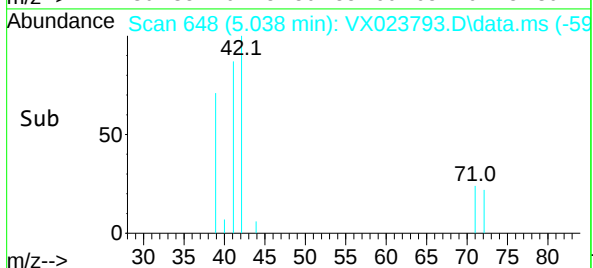
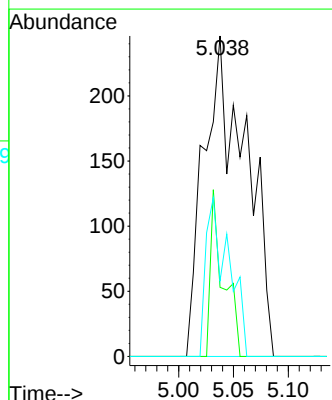
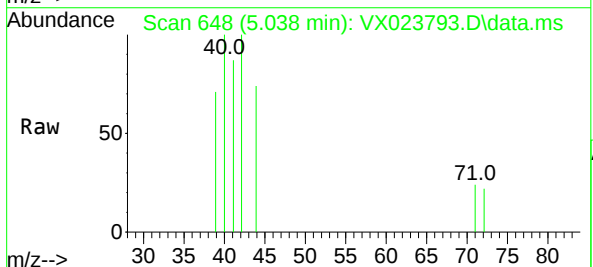
Instrument :
MSVOA_X
ClientSampled :
22N

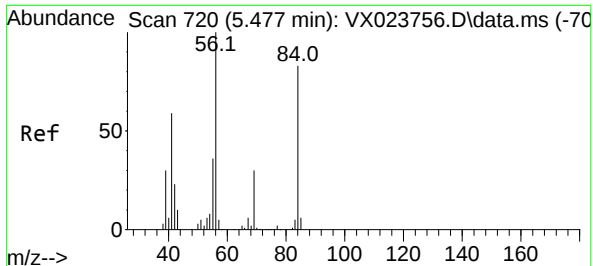
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
72 34.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.774 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
72 16.0 41.7 62.5#
71 26.8 38.4 57.6#

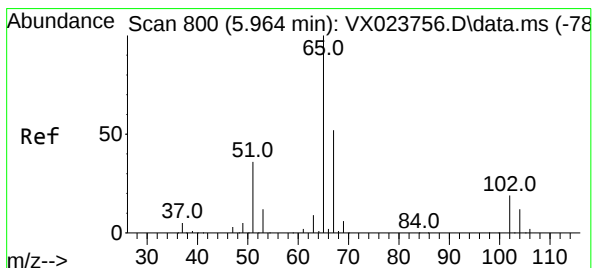
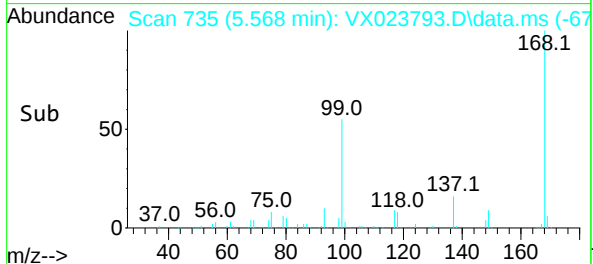
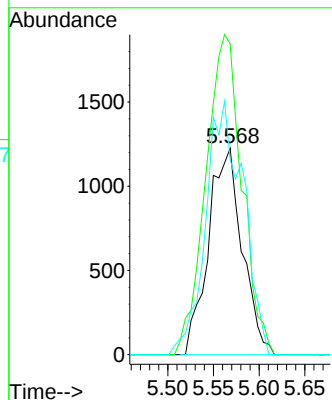
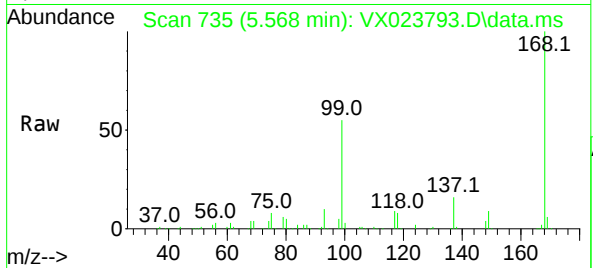




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

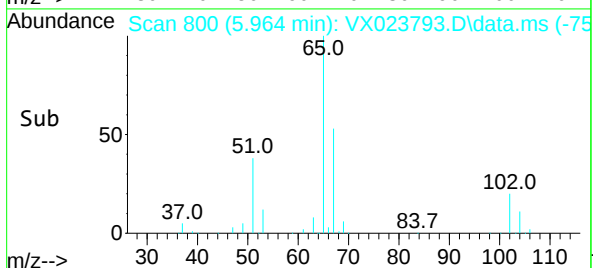
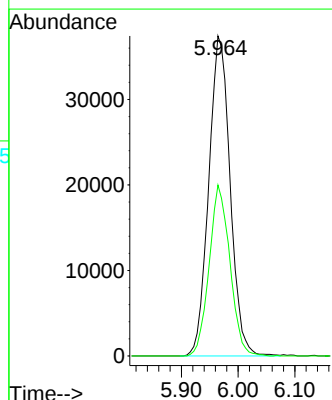
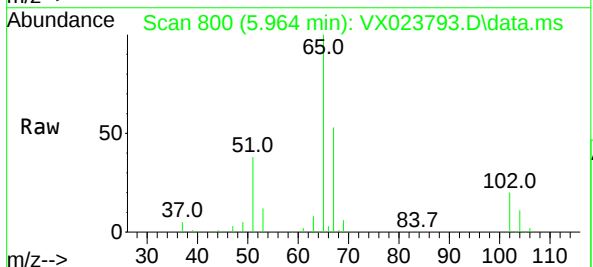
Instrument :
MSVOA_X
ClientSampled :
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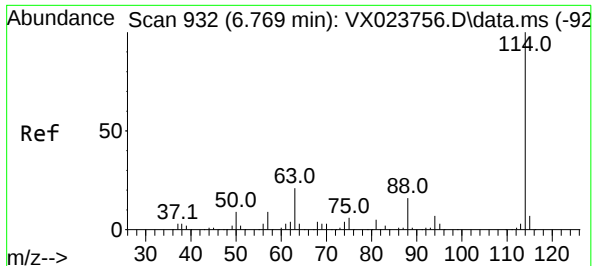
Tgt Ion: 56 Resp: 3153
Ion Ratio Lower Upper
56 100
69 150.7 25.3 37.9#
84 94.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.776 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 65 Resp: 98149
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

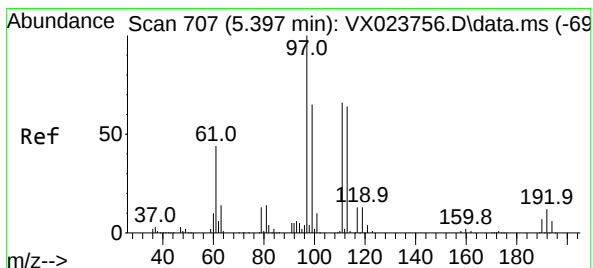
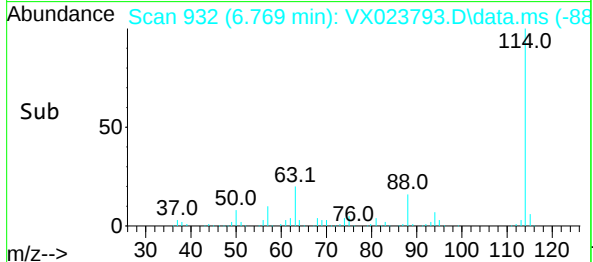
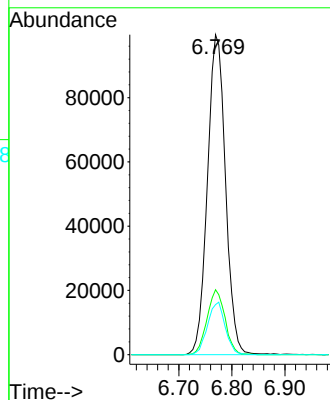
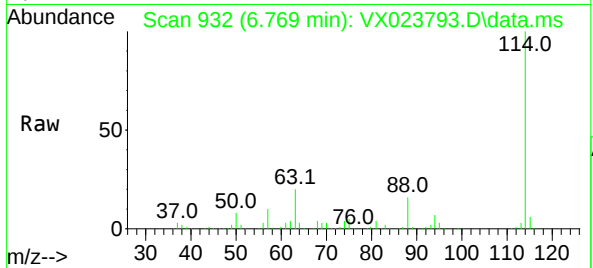




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

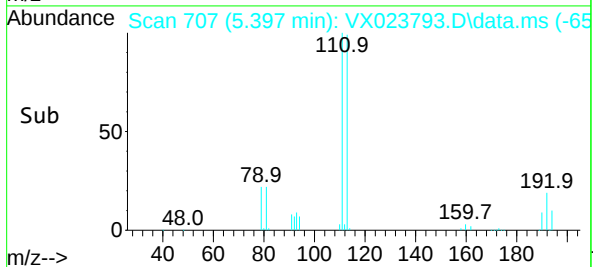
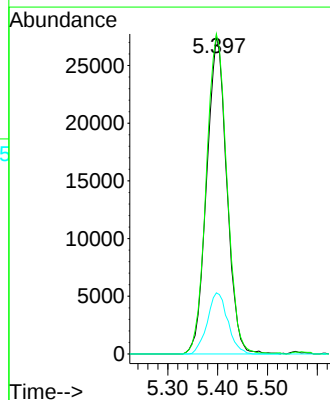
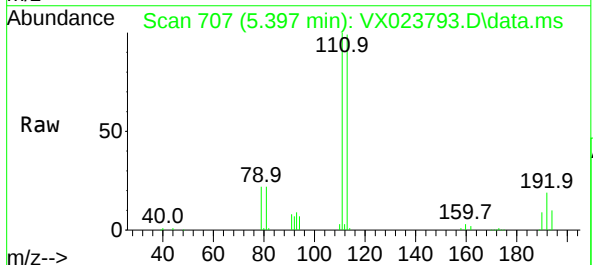
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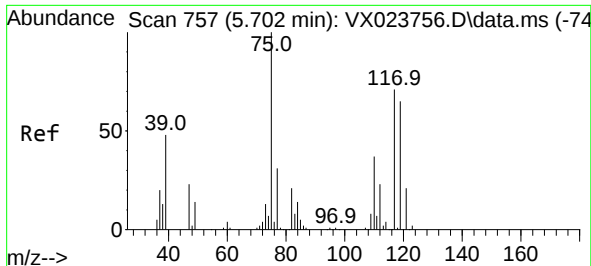
Tgt Ion:114 Resp: 235800
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.264 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion:113 Resp: 76886
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023793.D

Acq: 18 Aug 2021 03:52

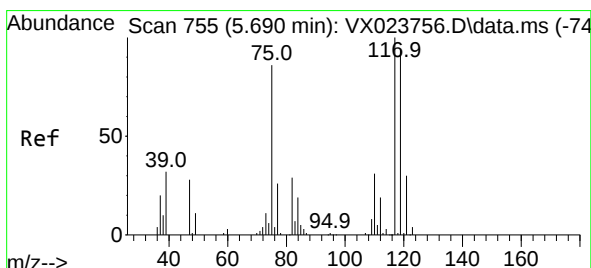
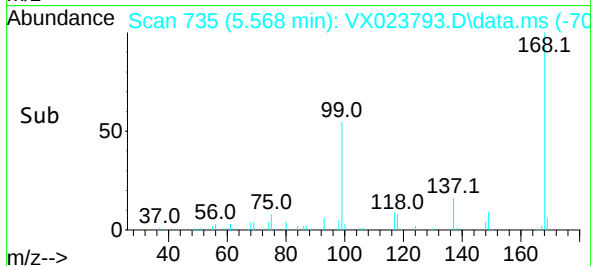
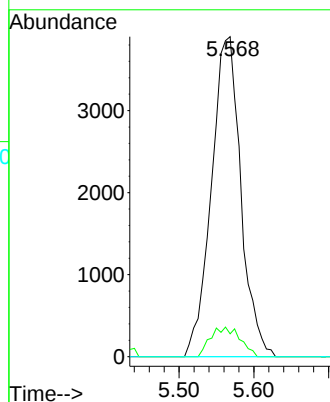
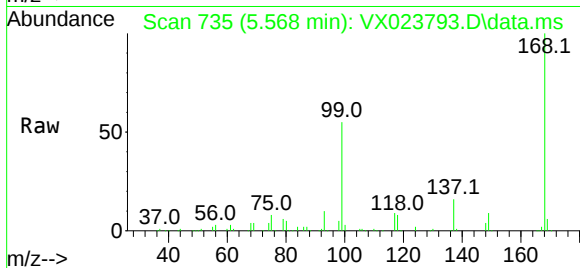
Tgt Ion: 75 Resp: 10683

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.012 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX023793.D

Acq: 18 Aug 2021 03:52

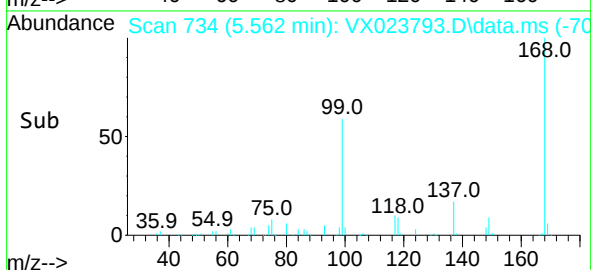
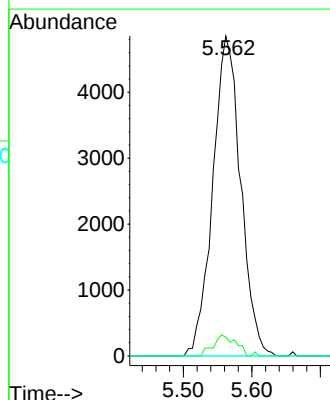
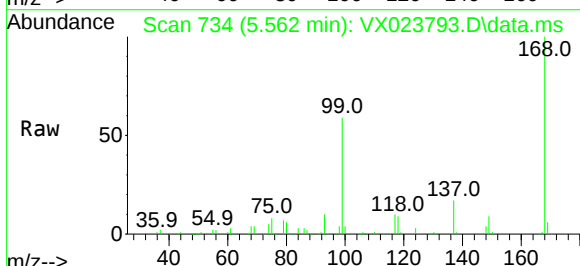
Tgt Ion: 117 Resp: 13690

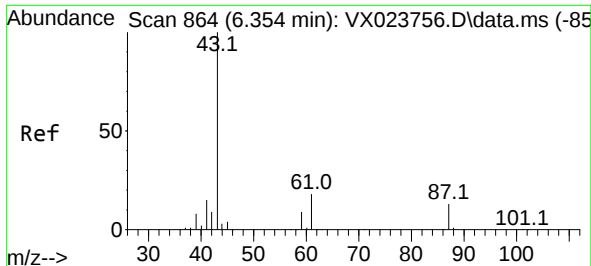
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 24.8 37.2#

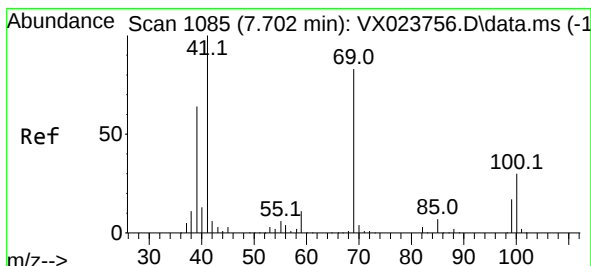
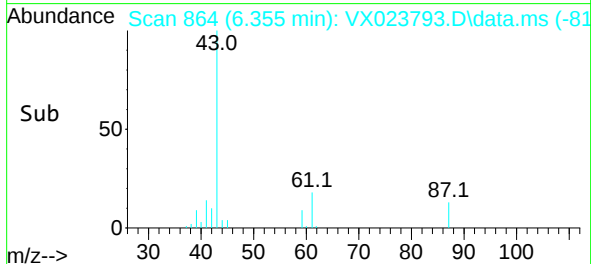
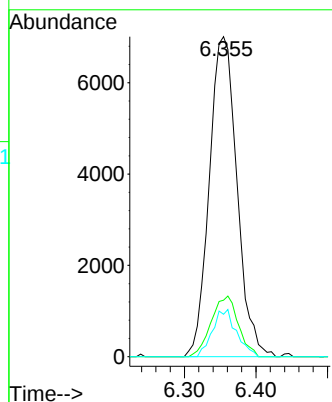
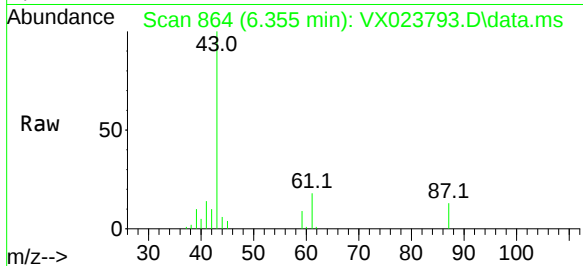




#43
Isopropyl Acetate
Concen: 4.489 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

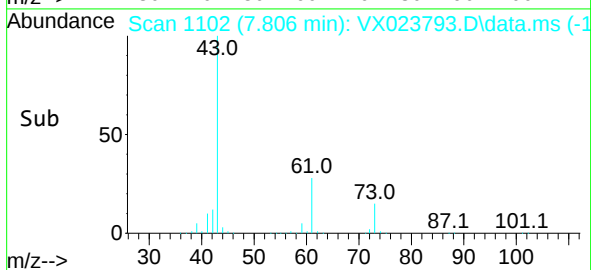
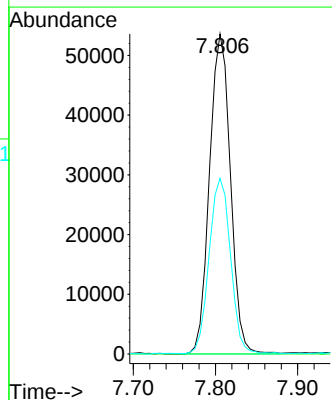
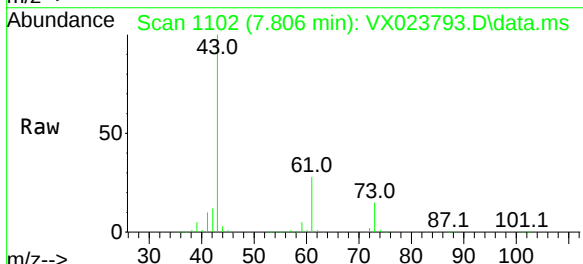
Instrument :
MSVOA_X
ClientSampled :
22N

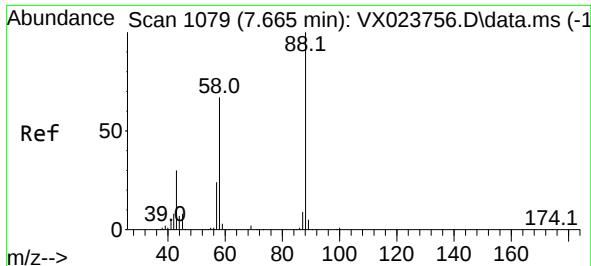
Tgt Ion: 43	Resp: 18848
Ion Ratio	Lower Upper
43 100	
61 18.5	18.2 27.4
87 12.7	12.5 18.7



#48
Methyl methacrylate
Concen: 46.287 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 41	Resp: 94805
Ion Ratio	Lower Upper
41 100	
69 0.0	76.0 114.0#
39 55.8	44.6 67.0





#49

1,4-Dioxane

Concen: 4.251 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.147 min

Lab File: VX023793.D

Acq: 18 Aug 2021 03:52

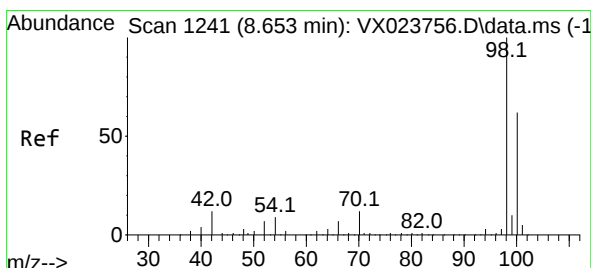
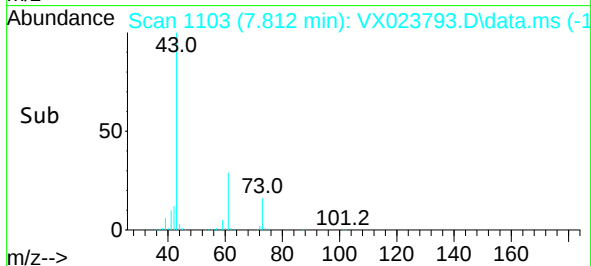
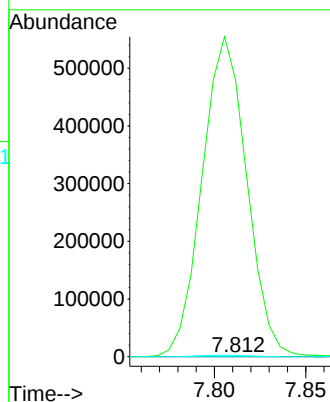
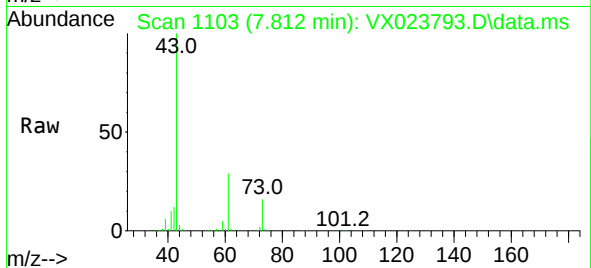
Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

43 514083.2 23.2 34.8#

58 2464.1 55.0 82.4#



#50

Toluene-d8

Concen: 50.712 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023793.D

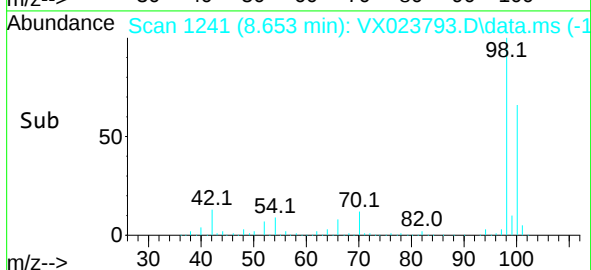
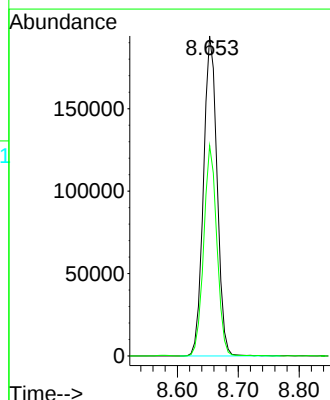
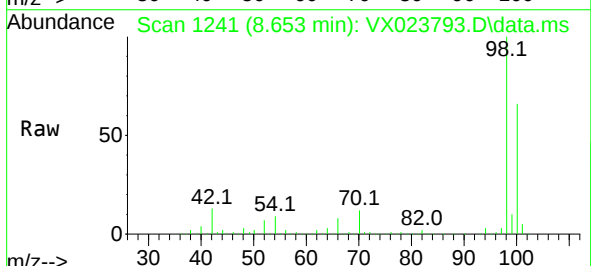
Acq: 18 Aug 2021 03:52

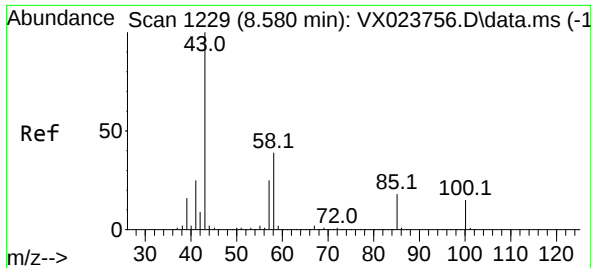
Tgt Ion: 98 Resp: 301233

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

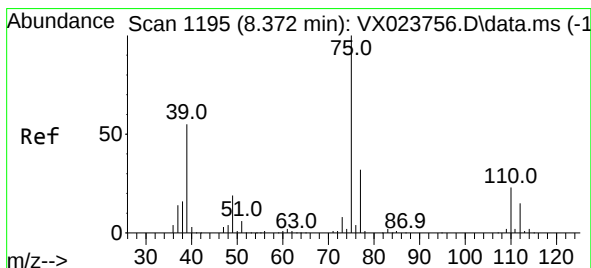
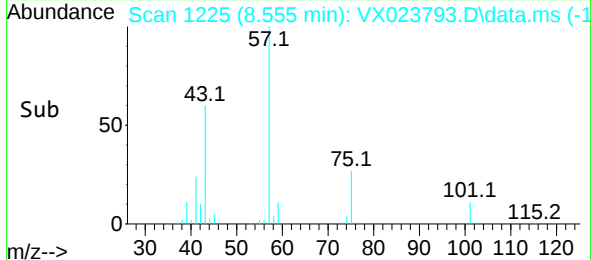
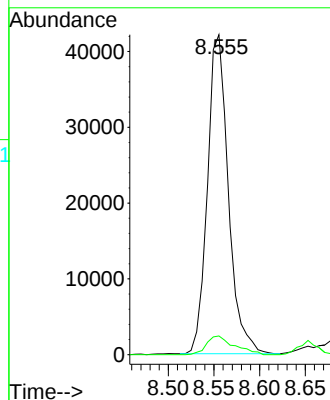
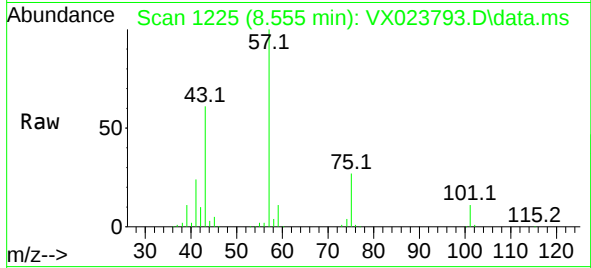




#51
4-Methyl-2-Pentanone
Concen: 24.661 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

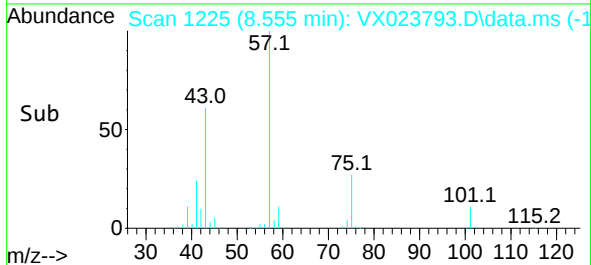
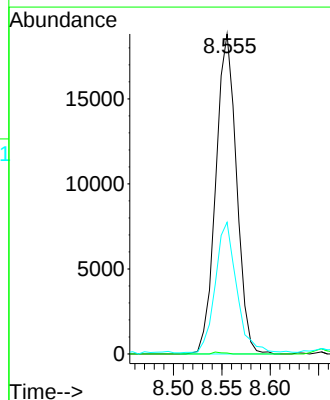
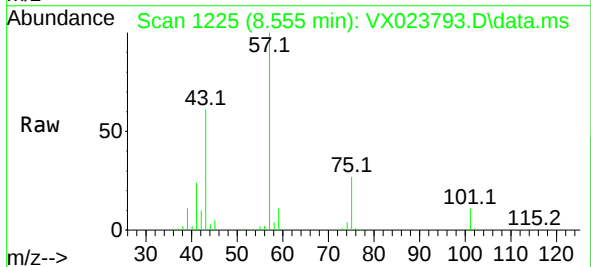
Instrument :
MSVOA_X
ClientSampled :
22N

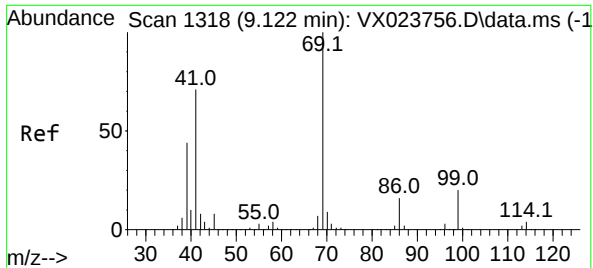
Tgt Ion: 43 Resp: 66932
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.692 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 75 Resp: 27967
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 40.8 35.1 52.7

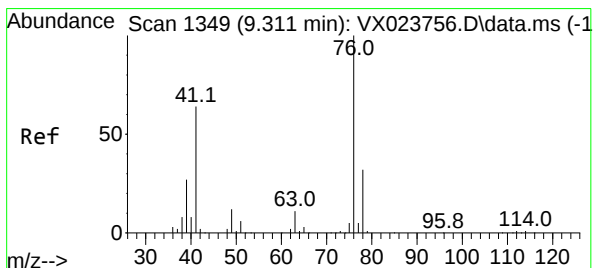
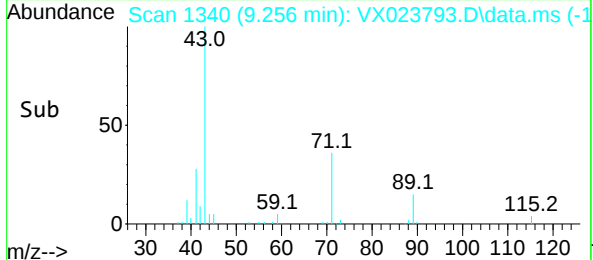
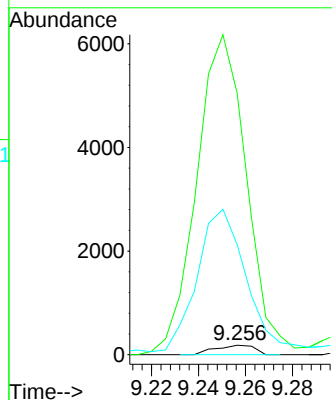
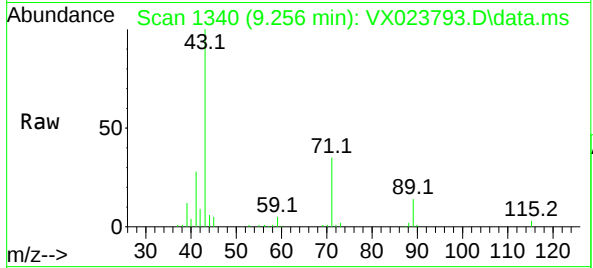




#56
Ethyl methacrylate
Concen: 0.831 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.134 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

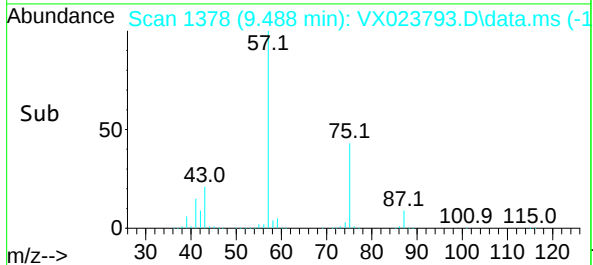
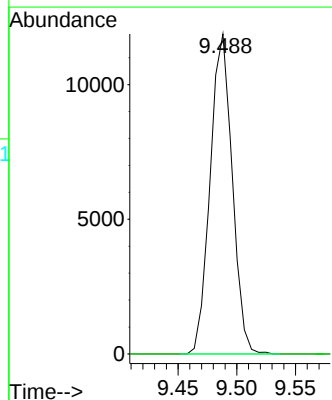
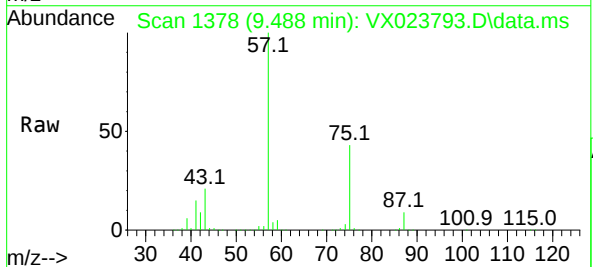
Instrument :
MSVOA_X
ClientSampled :
22N

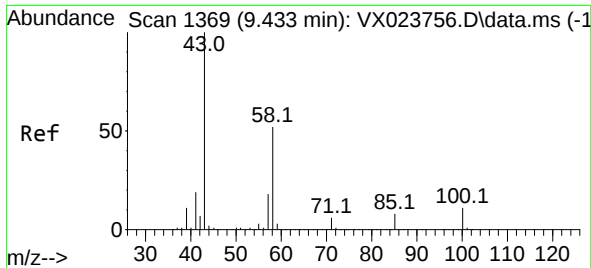
Tgt Ion: 69 Resp: 213
Ion Ratio Lower Upper
69 100
41 4281.2 46.8 70.2#
39 2027.2 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 5.434 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 76 Resp: 15525
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

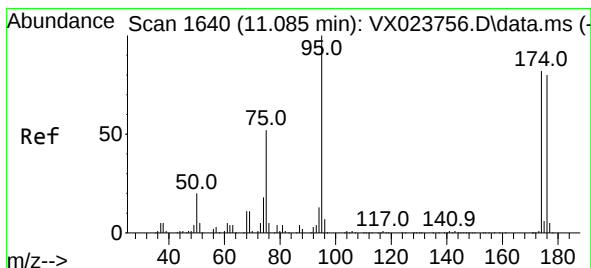
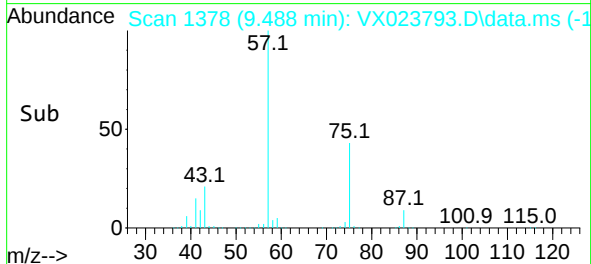
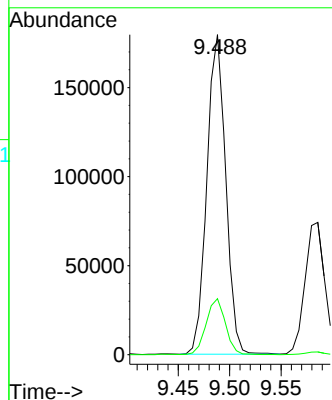
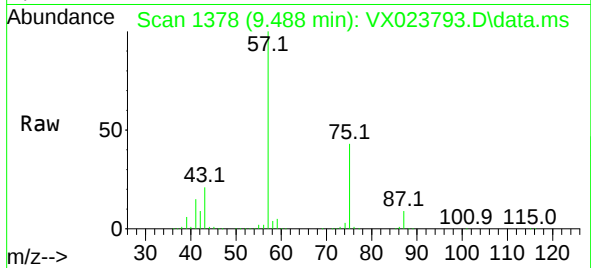




#59
2-Hexanone
Concen: 109.780 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

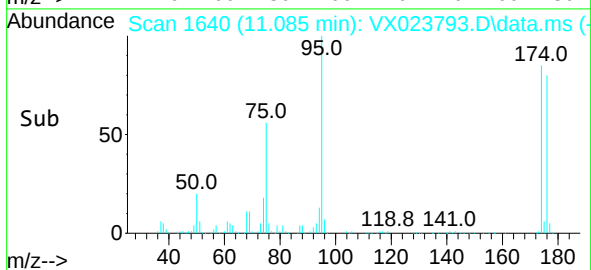
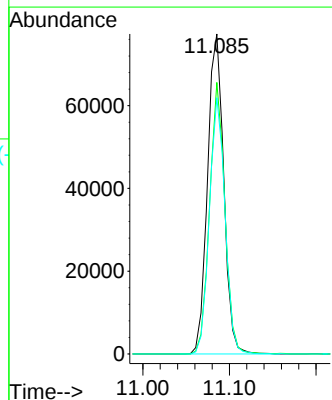
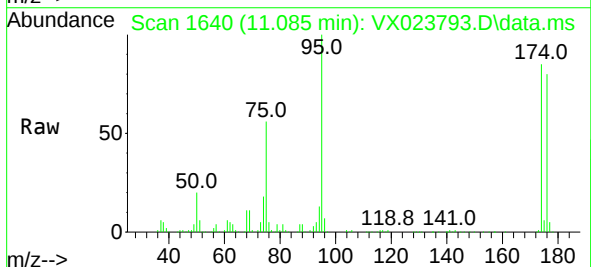
Instrument :
MSVOA_X
ClientSampled :
22N

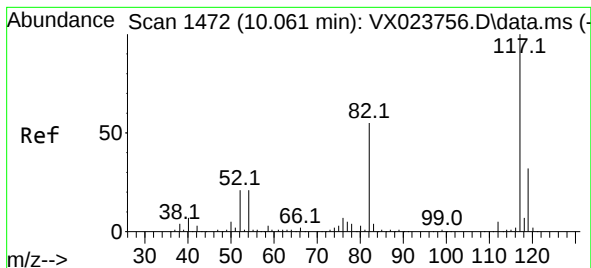
Tgt Ion: 43 Resp: 229028
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.892 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion: 95 Resp: 100352
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 77.2 0.0 155.8

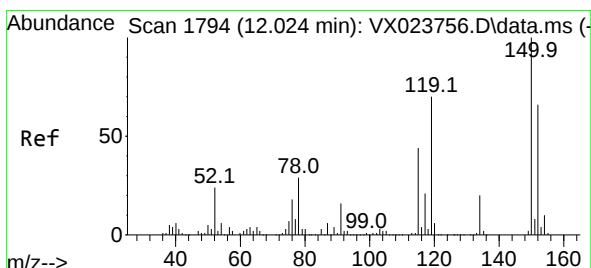
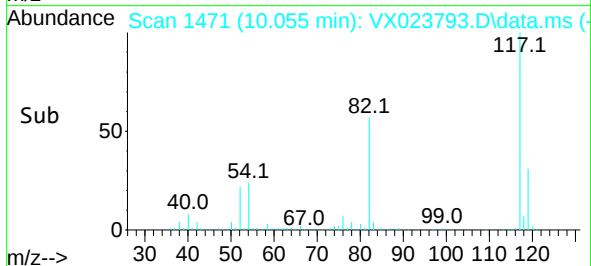
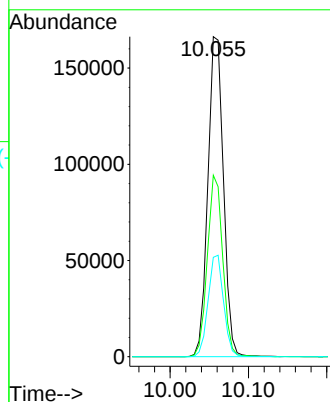
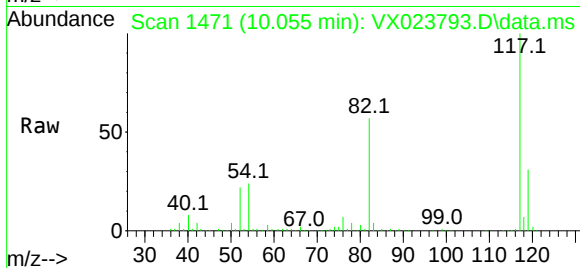




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

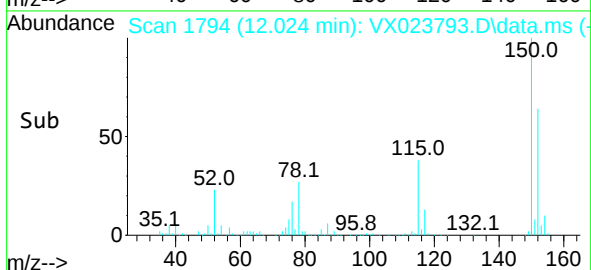
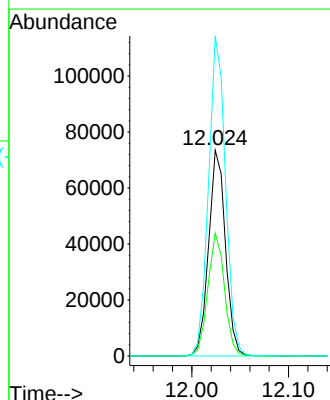
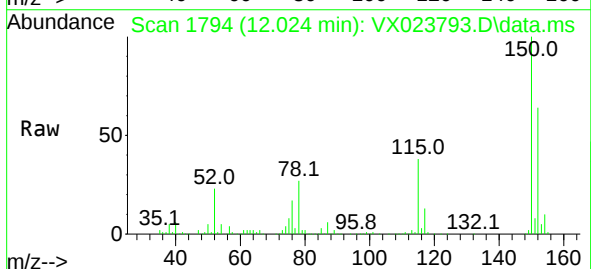
Instrument :
MSVOA_X
ClientSampled :
22N

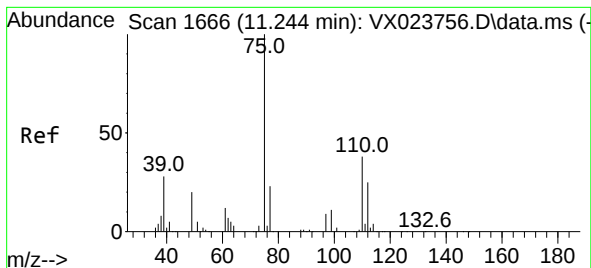
Tgt Ion:117 Resp: 229417
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

Tgt Ion:152 Resp: 89303
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 156.2 0.0 349.0

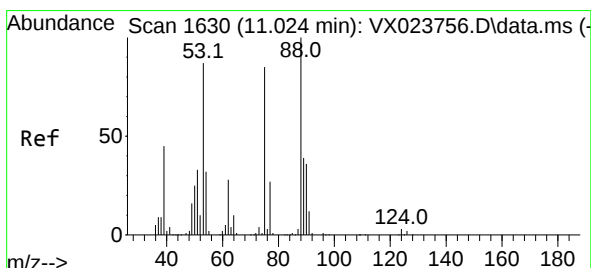
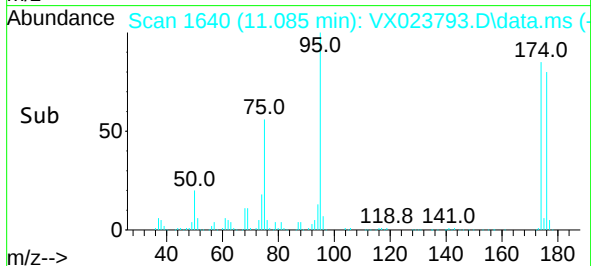
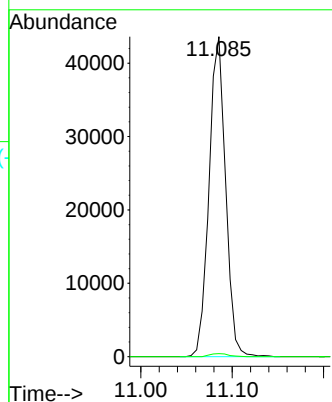
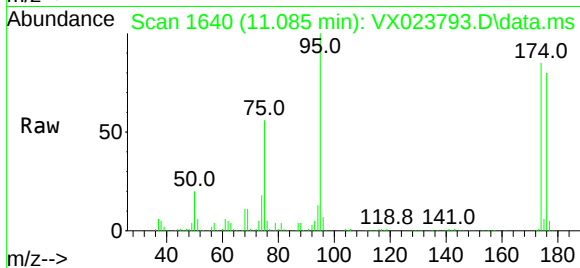




#76
1,2,3-Trichloropropane
Concen: 26.306 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

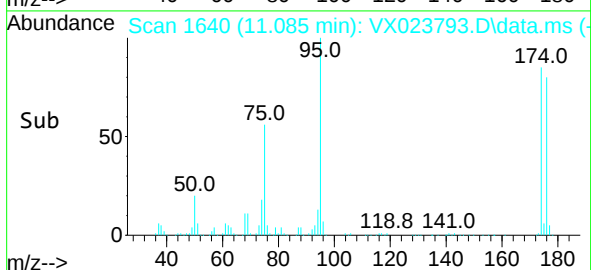
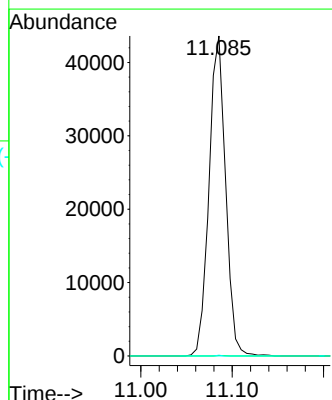
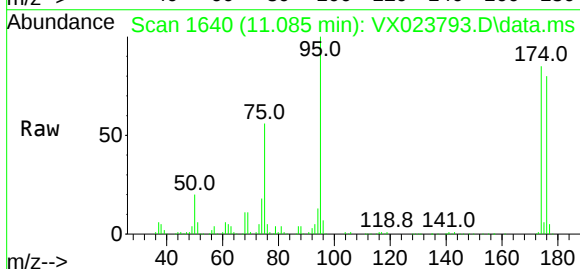
Instrument :
MSVOA_X
ClientSampled :
22N

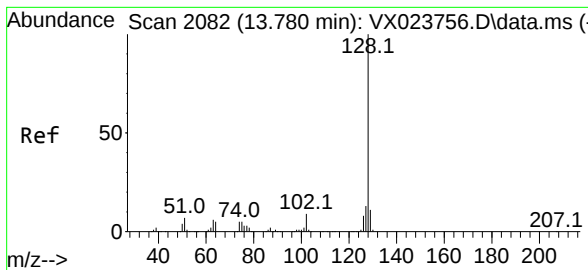
Tgt Ion: 75 Resp: 54800
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.379 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023793.D
Acq: 18 Aug 2021 03:52

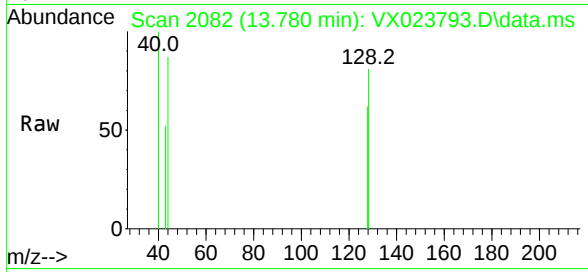
Tgt Ion: 75 Resp: 54800
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.1 37.9 56.9#





#95
 Naphthalene
 Concen: 1.315 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX023793.D
 Acq: 18 Aug 2021 03:52

Instrument :
 MSVOA_X
 ClientSampleId :
 22N



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

