

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023795.D
 Acq On : 18 Aug 2021 04:39
 Operator : JC/MD
 Sample : M3425-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 23N

Quant Time: Aug 18 07:04:34 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)

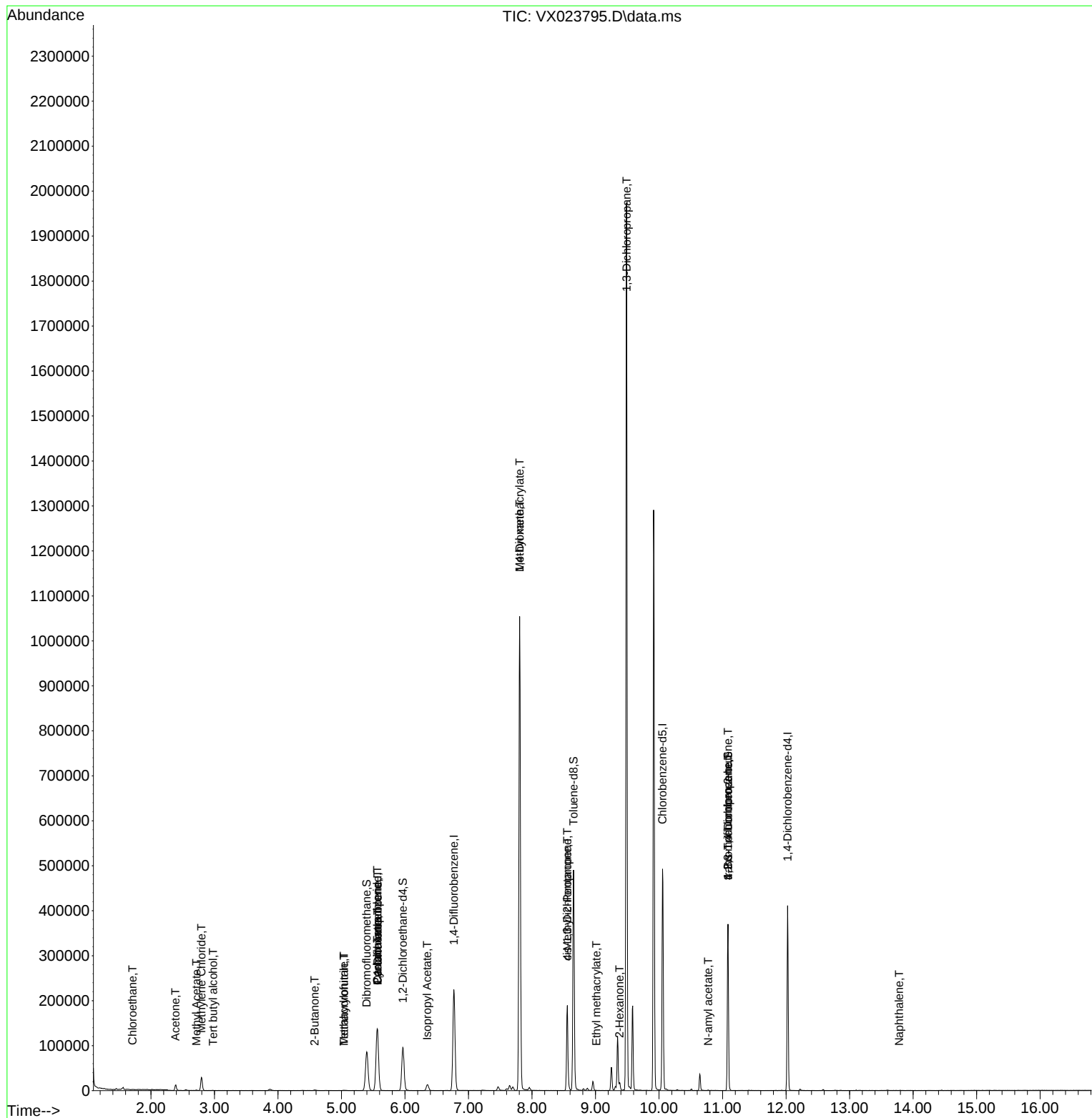
Internal Standards						
1) Pentafluorobenzene	5.568	168	129976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93529	51.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.120%			
35) Dibromofluoromethane	5.397	113	73847	49.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.653	98	281034	49.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.600%			
62) 4-Bromofluorobenzene	11.085	95	92530	44.091	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.180%			
Target Compounds					Qvalue	
6) Chloroethane	1.709	64	25	2.237	ug/l #	43
11) Tert butyl alcohol	2.977	59	352	0.959	ug/l #	73
16) Acetone	2.386	43	13096	16.146	ug/l	94
18) Methyl Acetate	2.715	43	1383	0.683	ug/l #	66
20) Methylene Chloride	2.794	84	12943	8.354	ug/l #	91
25) 2-Butanone	4.574	43	856	0.697	ug/l	93
29) Tetrahydrofuran	5.038	42	565	0.710	ug/l #	76
31) Cyclohexane	5.568	56	2985	1.281	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10545	5.032	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13222	6.050	ug/l #	15
41) Methacrylonitrile	5.038	41	309	0.221	ug/l #	41
43) Isopropyl Acetate	6.348	43	18526	4.598	ug/l #	91
48) Methyl methacrylate	7.805	41	96160	48.919	ug/l #	38
49) 1,4-Dioxane	7.805	88	81	1.950	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	65370	25.097	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27811	11.079	ug/l #	70
56) Ethyl methacrylate	9.013	69	127	0.804	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	15246	5.560	ug/l #	42
59) 2-Hexanone	9.378	43	7593	3.792	ug/l #	19
74) N-amyl acetate	10.774	43	747	0.264	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	49427	25.787	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49427	75.853	ug/l #	12
95) Naphthalene	13.780	128	169	1.310	ug/l #	69

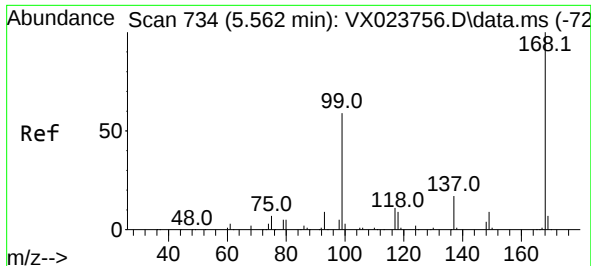
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

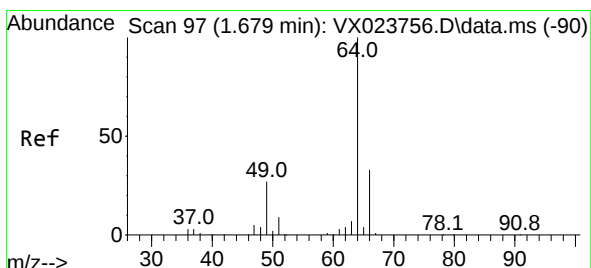
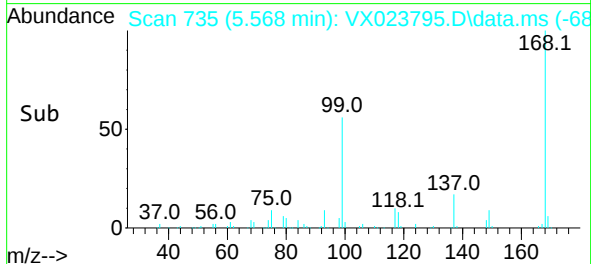
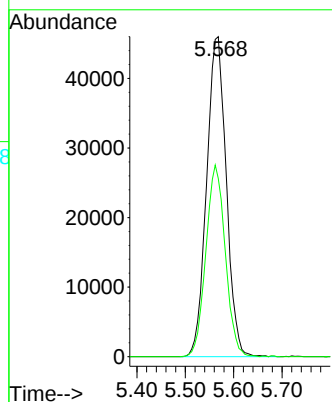
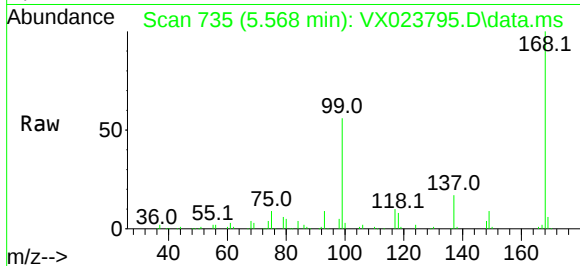




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

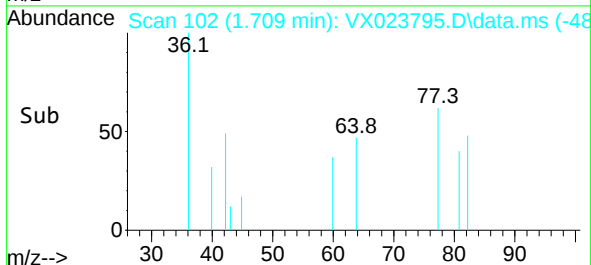
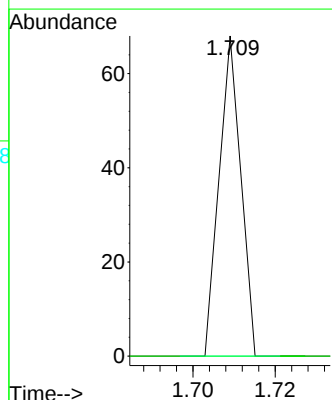
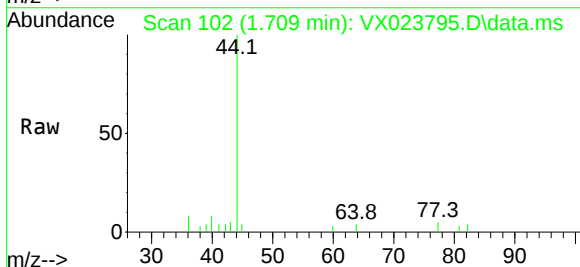
Instrument :
MSVOA_X
ClientSampleId :
23N

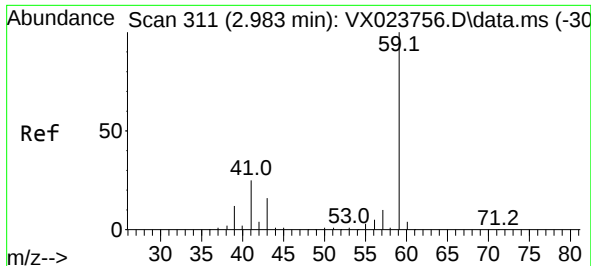
Tgt Ion:168 Resp: 129976
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#6
Chloroethane
Concen: 2.237 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

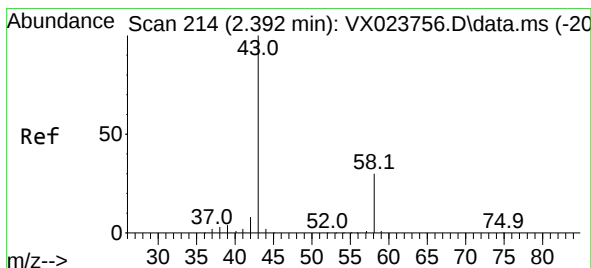
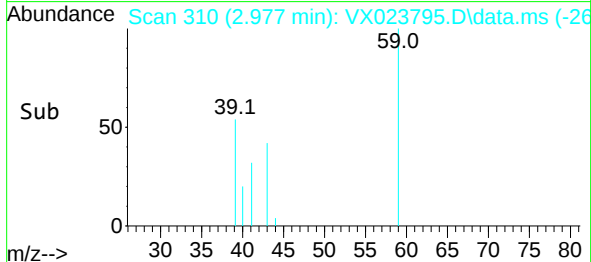
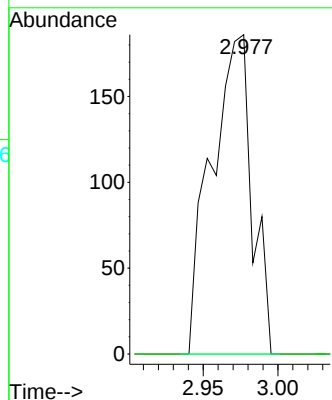
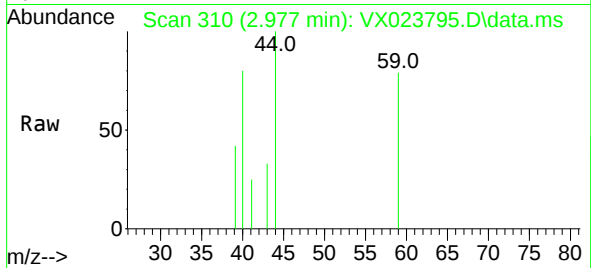




#11
Tert butyl alcohol
Concen: 0.959 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

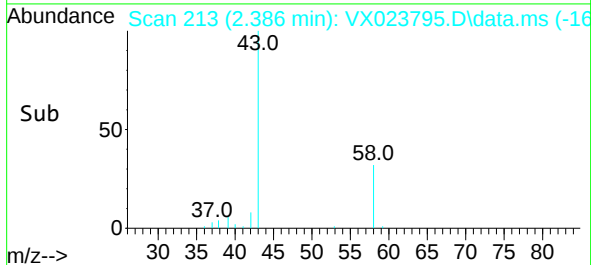
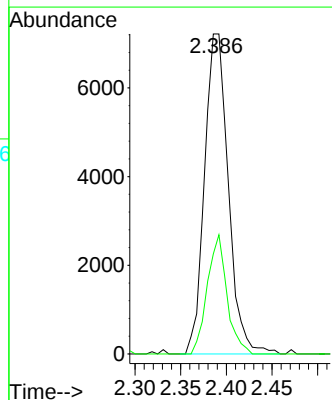
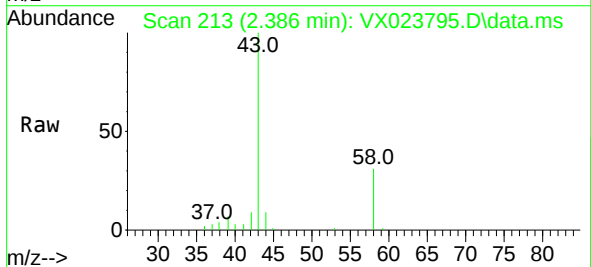
Instrument :
MSVOA_X
ClientSampled :
23N

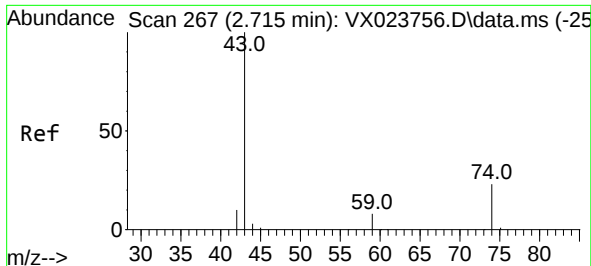
Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 16.146 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 43 Resp: 13096
Ion Ratio Lower Upper
43 100
58 31.3 27.8 41.8

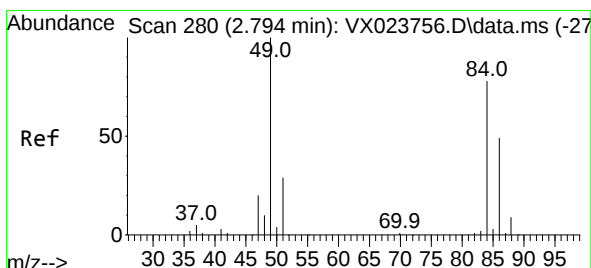
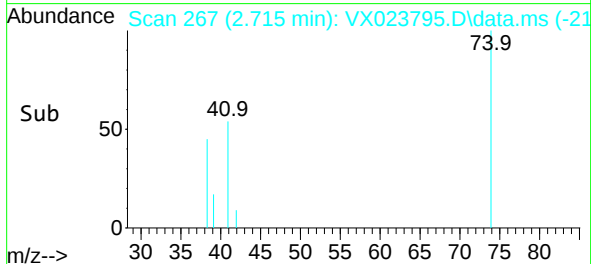
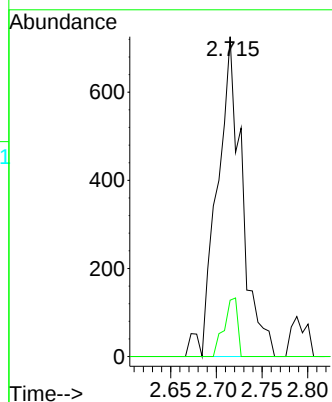
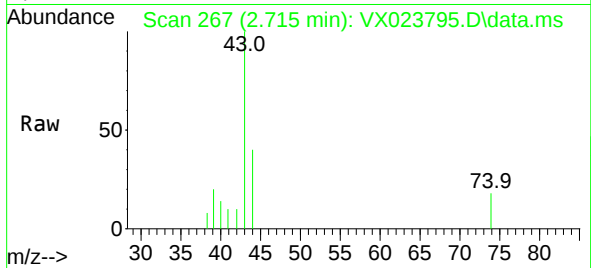




#18
Methyl Acetate
Concen: 0.683 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

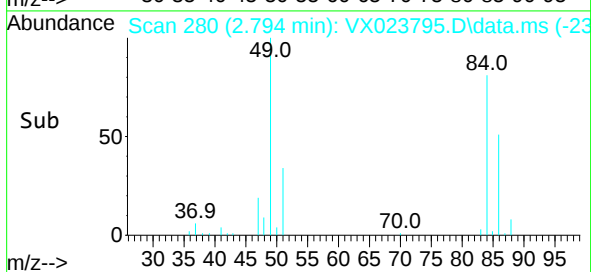
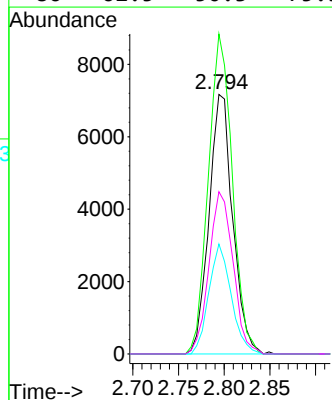
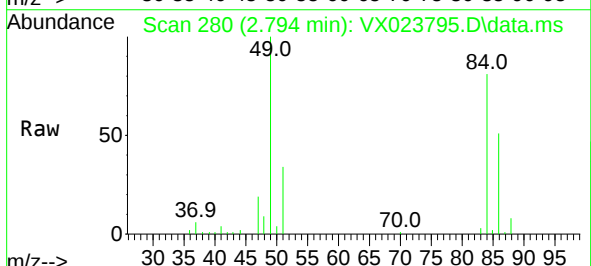
Instrument :
MSVOA_X
ClientSampled :
23N

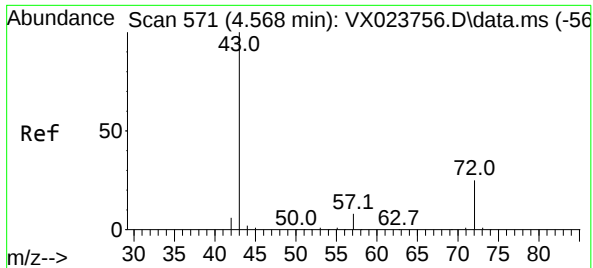
Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
74 9.8 21.9 32.9#



#20
Methylene Chloride
Concen: 8.354 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 84 Resp: 12943
Ion Ratio Lower Upper
84 100
49 123.3 88.6 132.8
51 42.4 27.0 40.6#
86 62.5 50.3 75.5

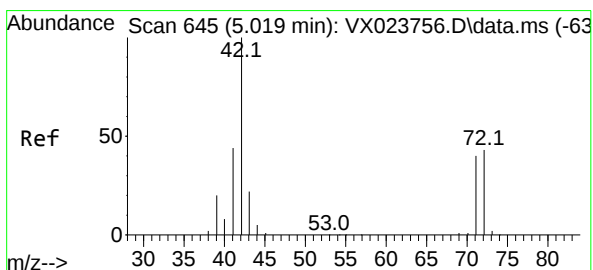
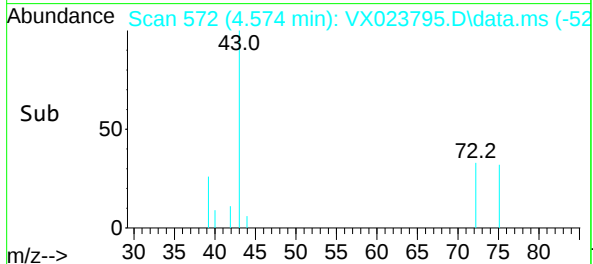
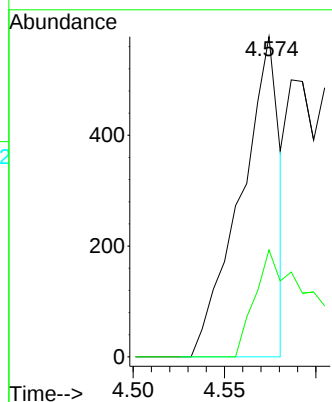
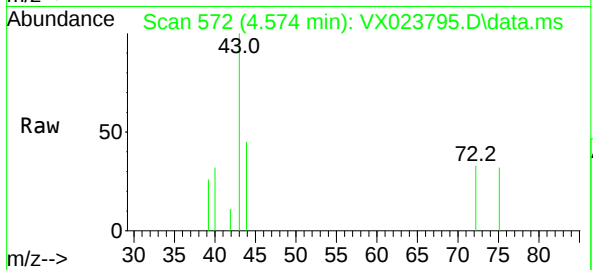




#25
2-Butanone
Concen: 0.697 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

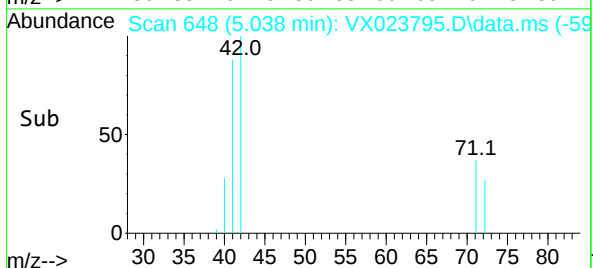
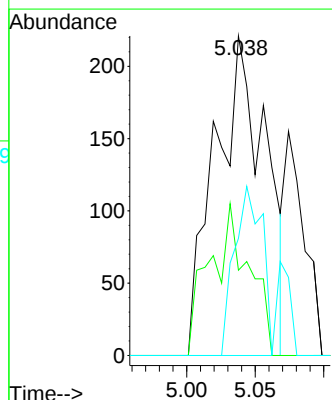
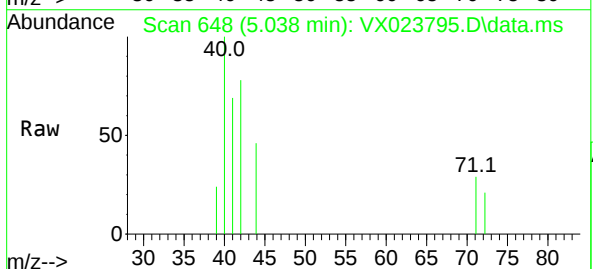
Instrument :
MSVOA_X
ClientSampled :
23N

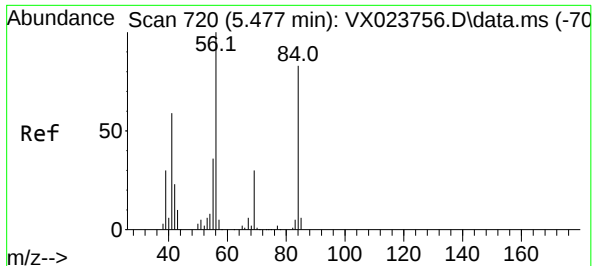
Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
72 33.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.710 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 37.2 41.7 62.5#
71 29.2 38.4 57.6#

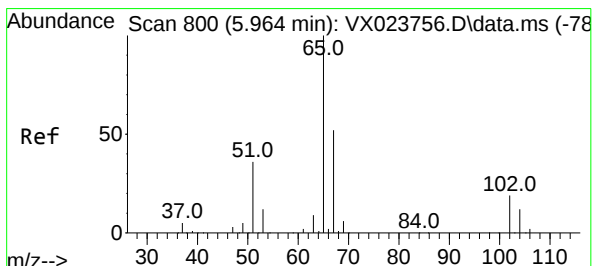
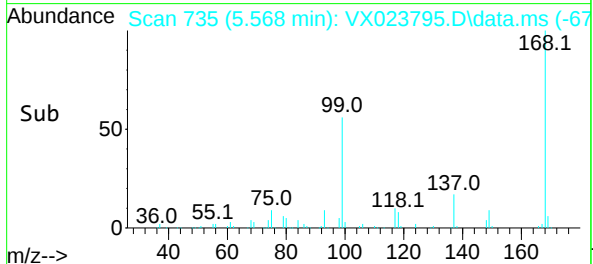
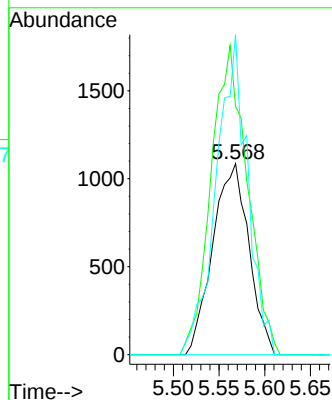
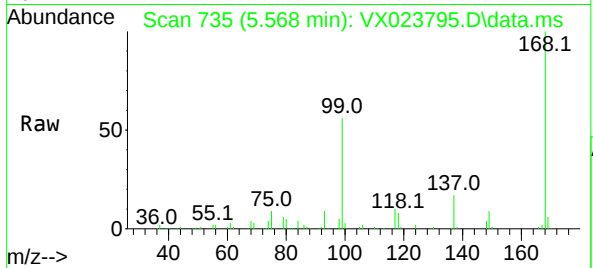




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

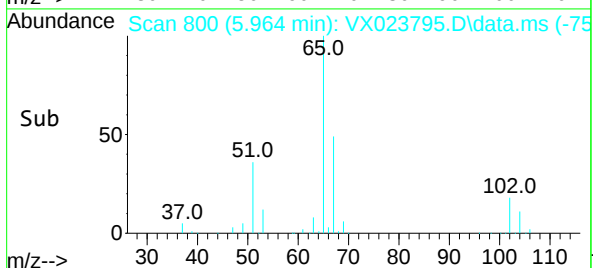
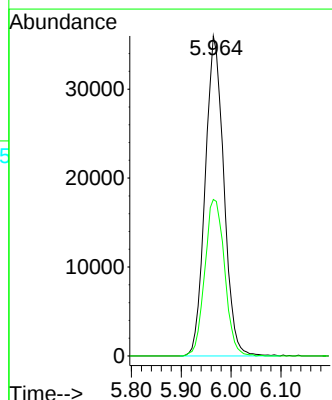
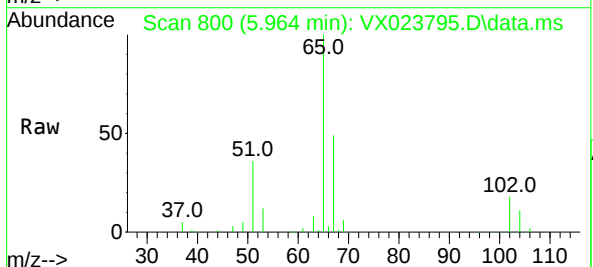
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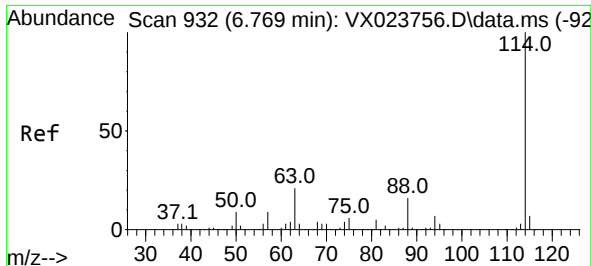
Tgt Ion: 56 Resp: 2985
Ion Ratio Lower Upper
56 100
69 130.0 25.3 37.9#
84 167.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.558 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 65 Resp: 93529
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.4

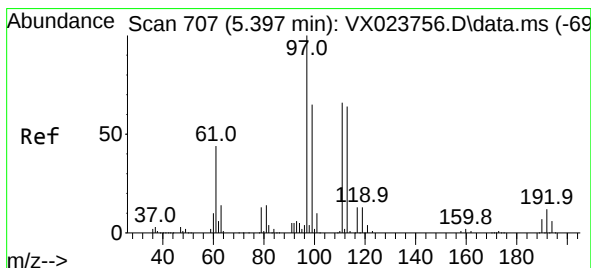
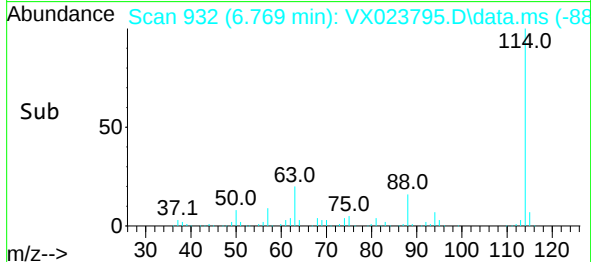
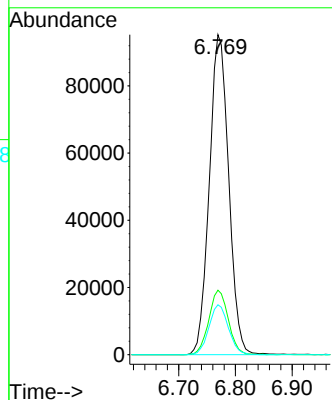
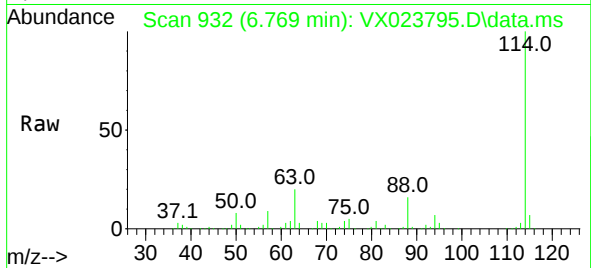




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

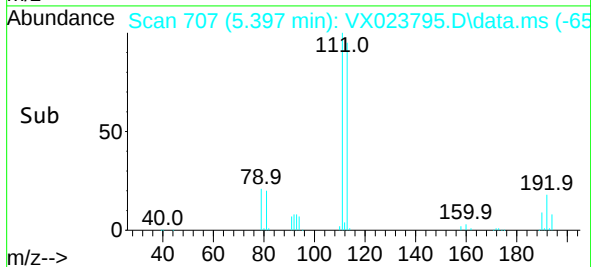
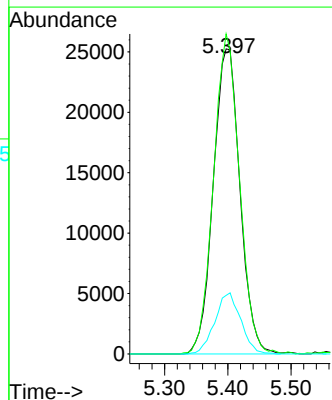
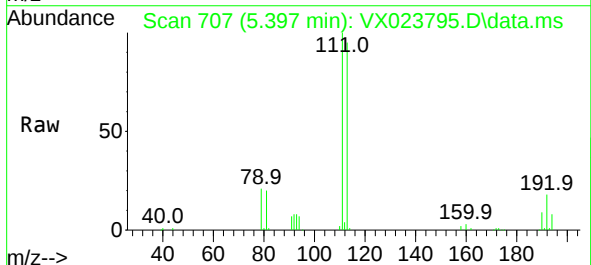
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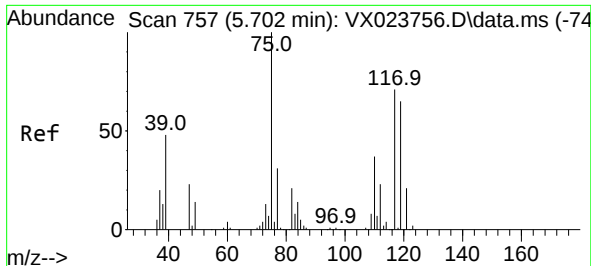
Tgt Ion:114 Resp: 226301
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.303 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion:113 Resp: 73847
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.032 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023795.D

Acq: 18 Aug 2021 04:39

Tgt Ion: 75 Resp: 10545

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

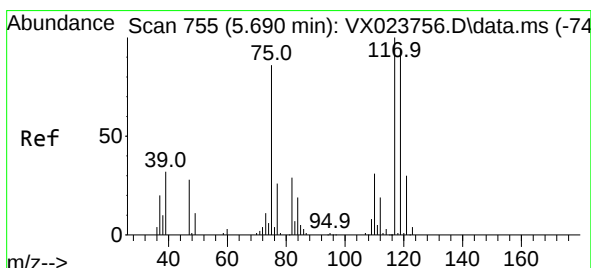
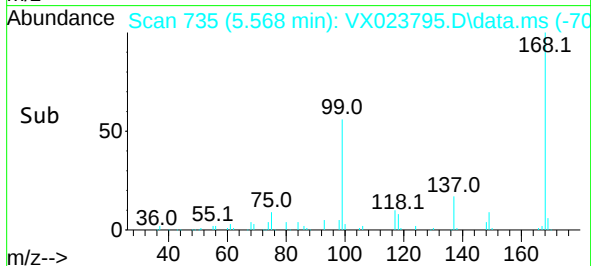
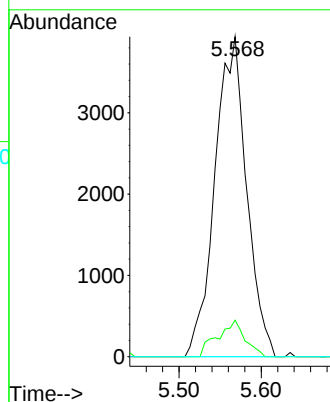
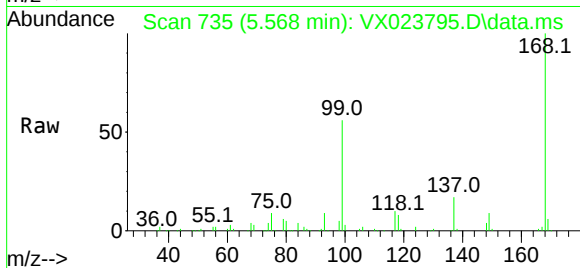
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

23N



#38

Carbon Tetrachloride

Concen: 6.050 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX023795.D

Acq: 18 Aug 2021 04:39

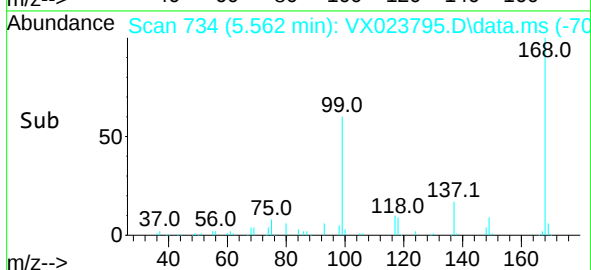
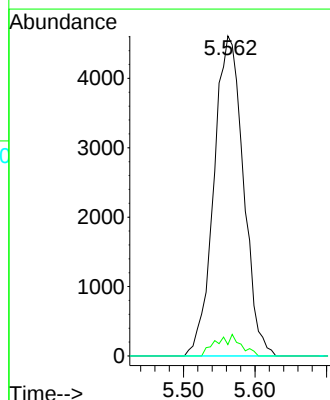
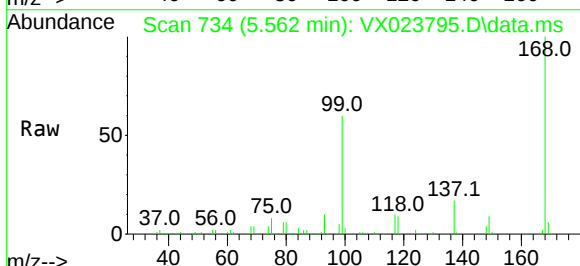
Tgt Ion: 117 Resp: 13222

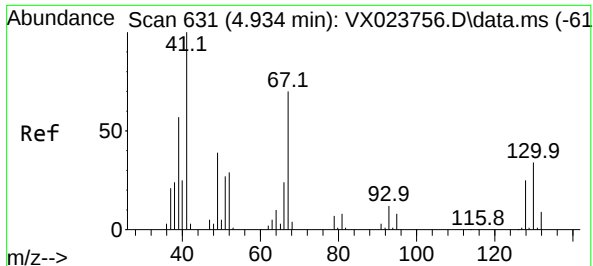
Ion Ratio Lower Upper

117 100

119 3.6 76.2 114.2#

121 0.0 24.8 37.2#

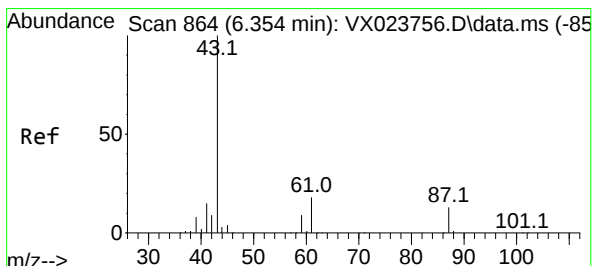
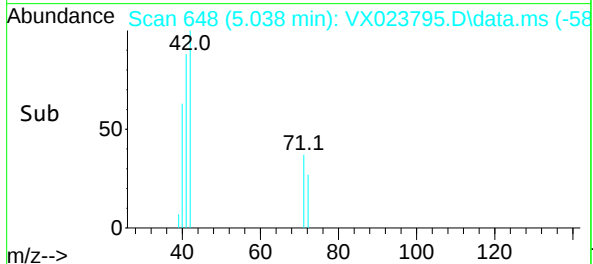
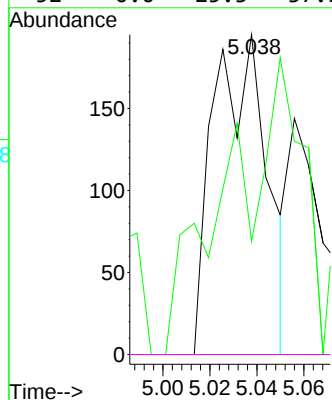
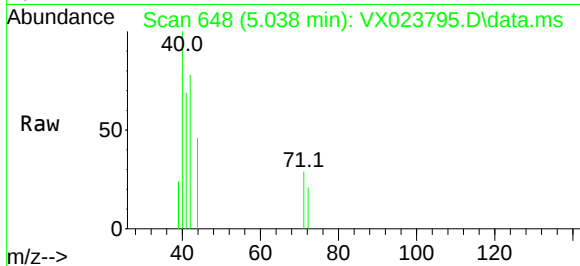




#41
Methacrylonitrile
Concen: 0.221 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

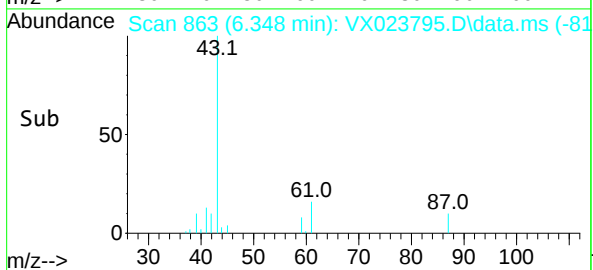
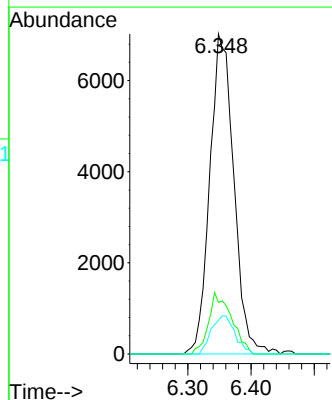
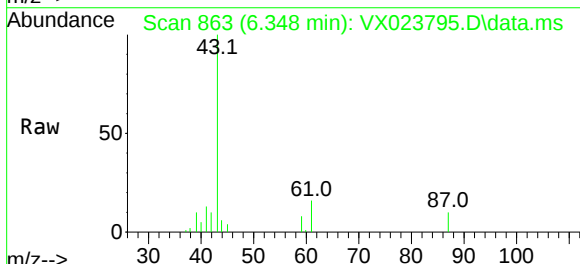
Instrument :
MSVOA_X
ClientSampled :
23N

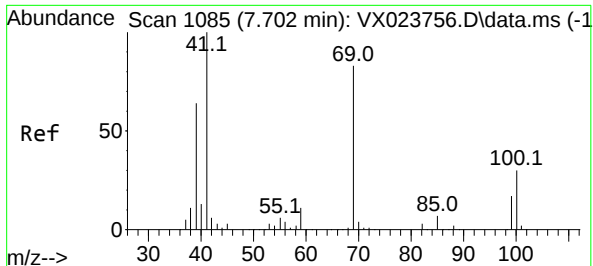
Tgt Ion:	41	Resp:	309
Ion	Ratio	Lower	Upper
41	100		
39	61.8	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.598 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion:	43	Resp:	18526
Ion	Ratio	Lower	Upper
43	100		
61	18.5	18.2	27.4
87	11.6	12.5	18.7#

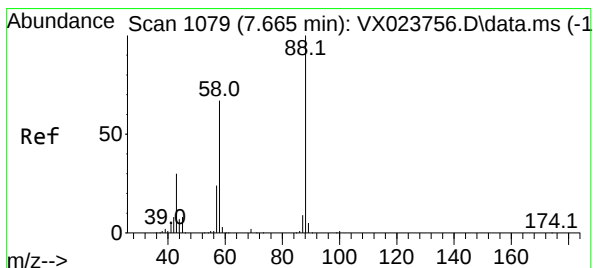
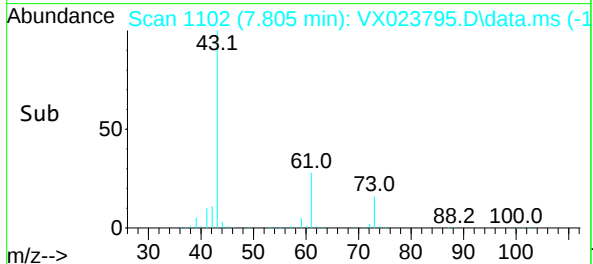
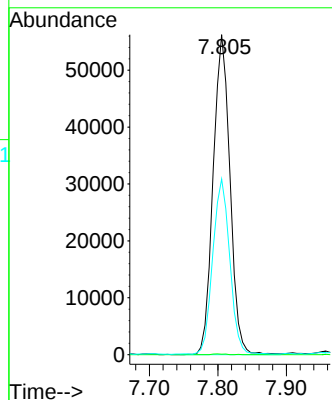
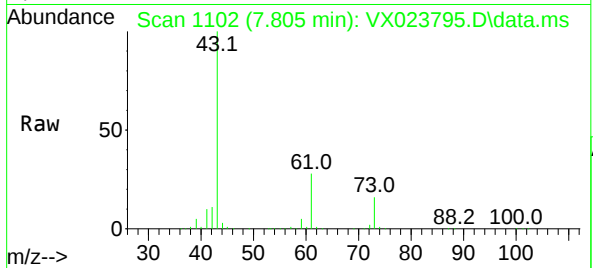




#48
Methyl methacrylate
Concen: 48.919 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

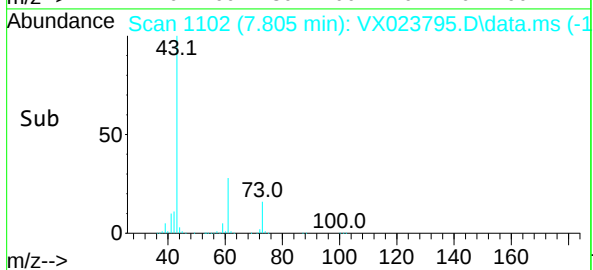
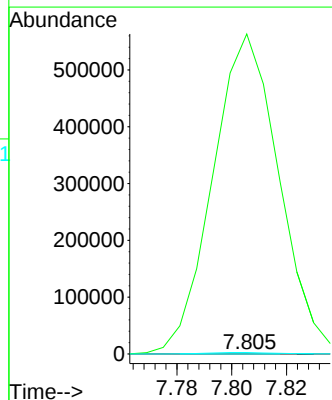
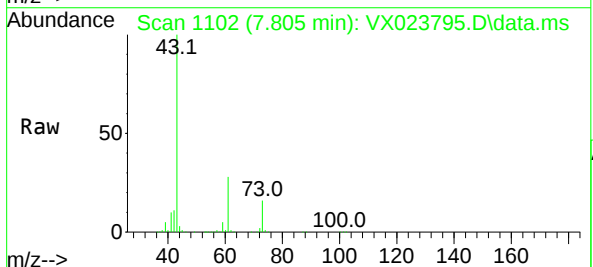
Instrument :
MSVOA_X
ClientSampled :
23N

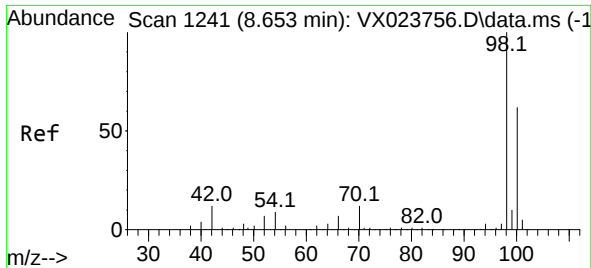
Tgt Ion: 41 Resp: 96160
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 55.2 44.6 67.0



#49
1,4-Dioxane
Concen: 1.950 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 1177213.6 23.2 34.8#
58 5455.6 55.0 82.4#

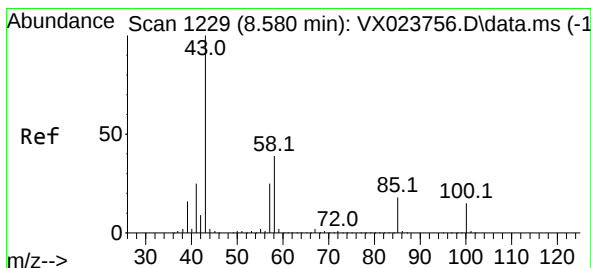
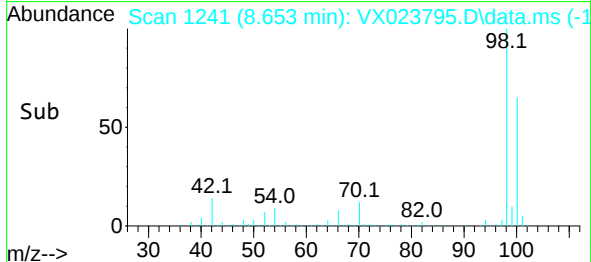
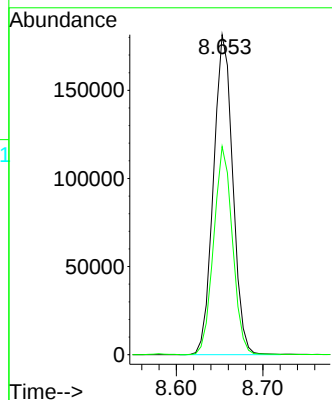
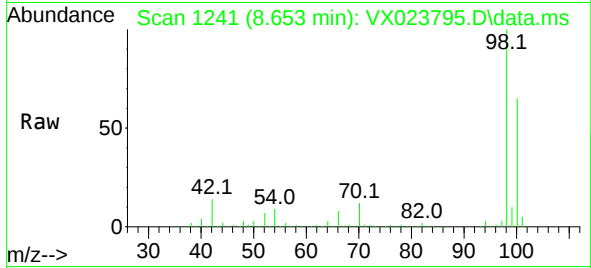




#50
Toluene-d8
Concen: 49.297 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

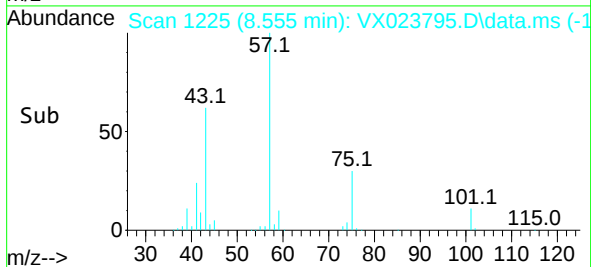
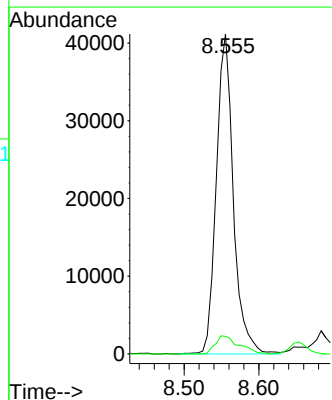
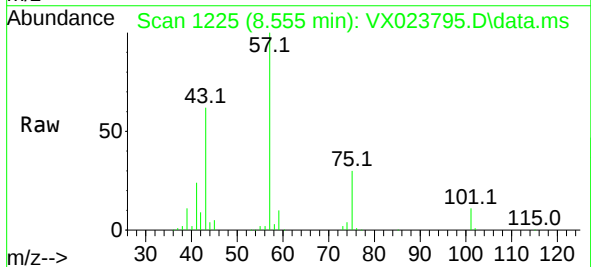
Instrument :
MSVOA_X
ClientSampled :
23N

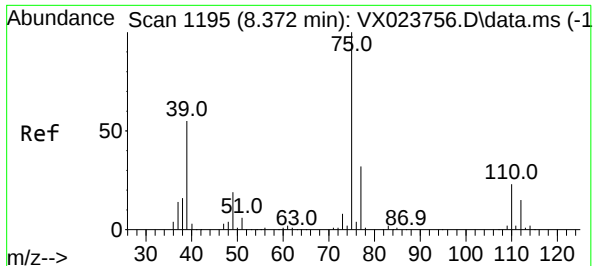
Tgt Ion: 98 Resp: 281034
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.097 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 43 Resp: 65370
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#

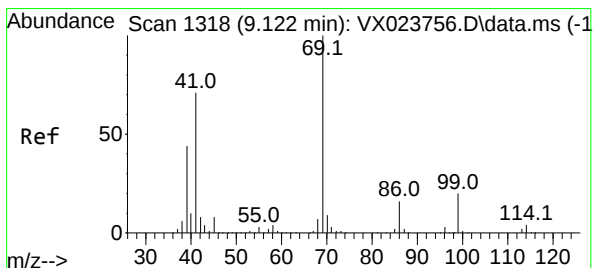
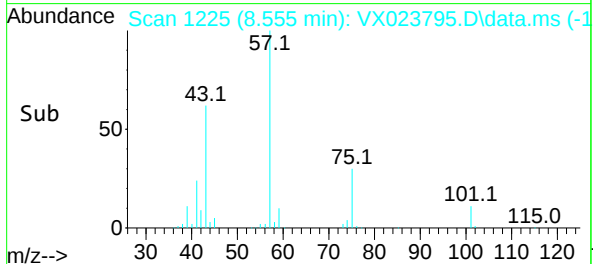
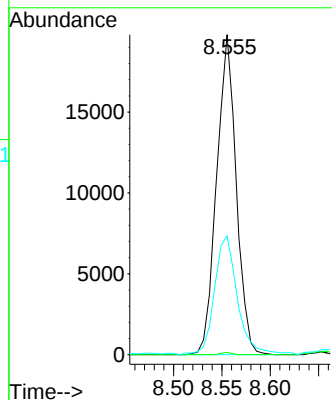
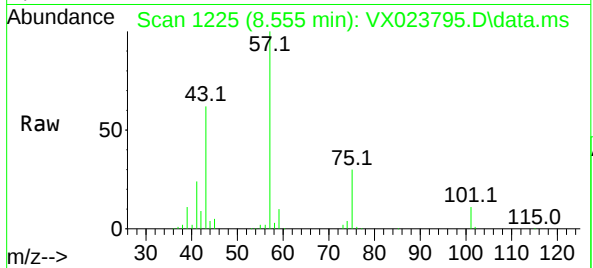




#54
cis-1,3-Dichloropropene
Concen: 11.079 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

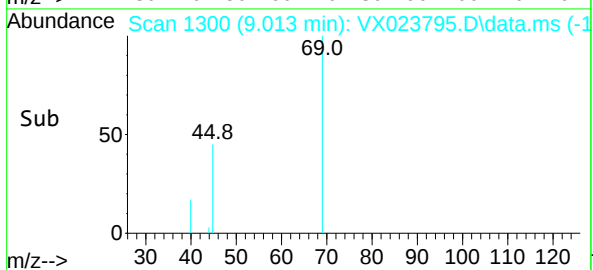
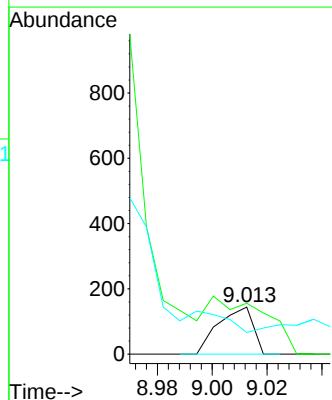
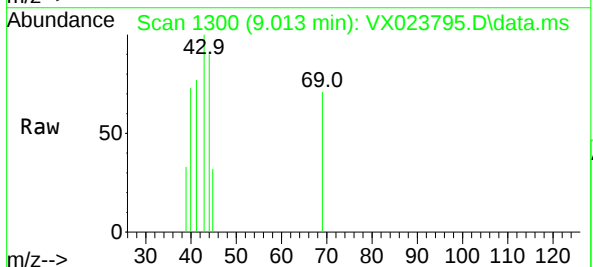
Instrument :
MSVOA_X
ClientSampled :
23N

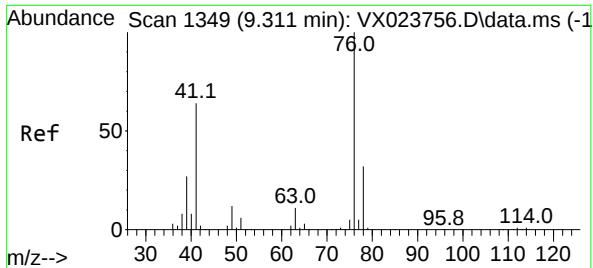
Tgt Ion: 75 Resp: 27811
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 37.1 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.804 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 69 Resp: 127
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



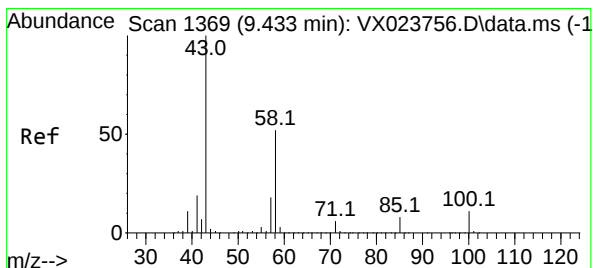
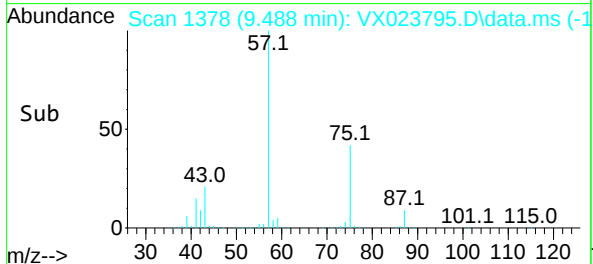
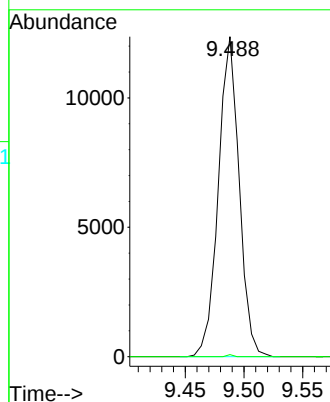
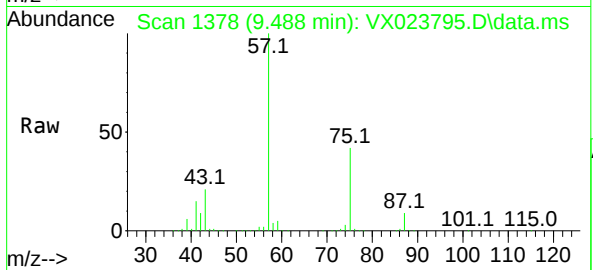


#57

1,3-Dichloropropane
Concen: 5.560 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Instrument :
MSVOA_X
ClientSampled :
23N

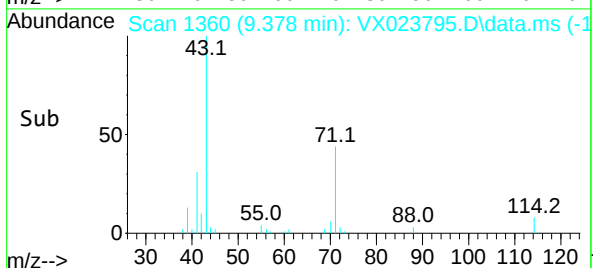
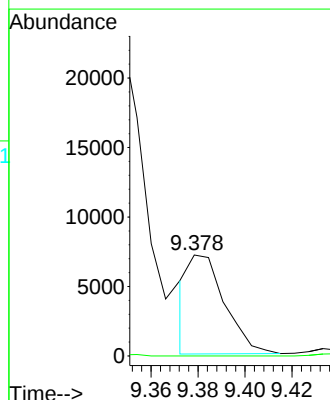
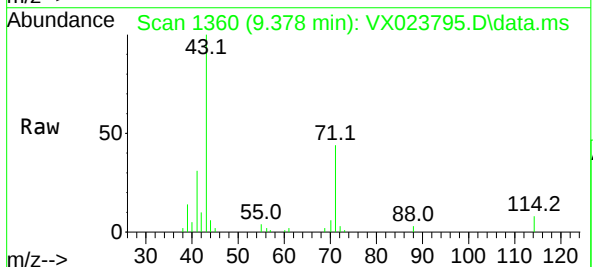
Tgt Ion: 76 Resp: 15246
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

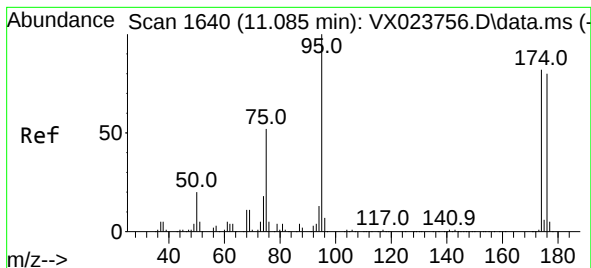


#59

2-Hexanone
Concen: 3.792 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 43 Resp: 7593
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

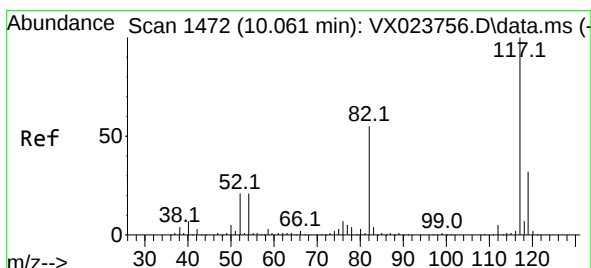
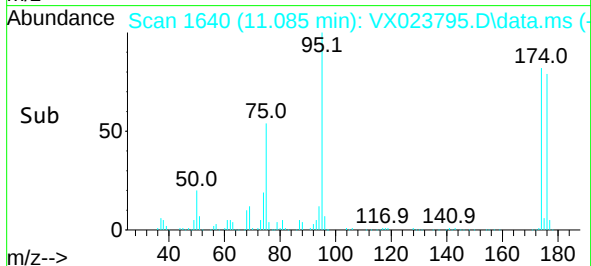
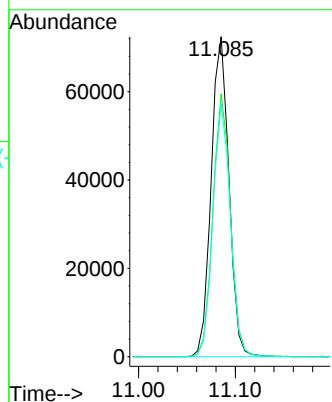
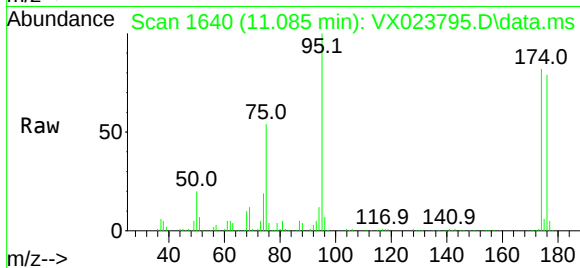




#62
4-Bromofluorobenzene
Concen: 44.091 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

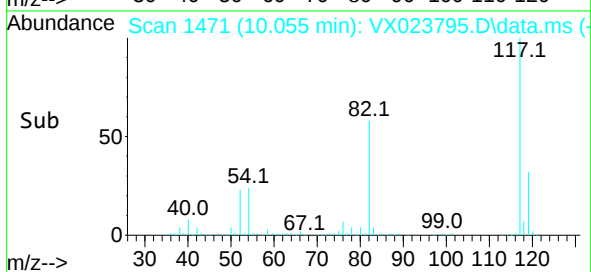
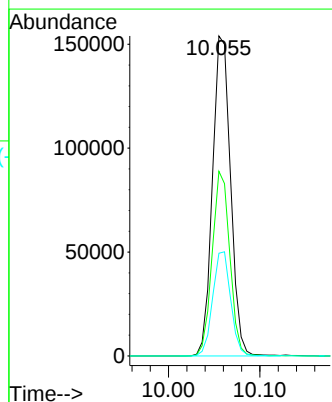
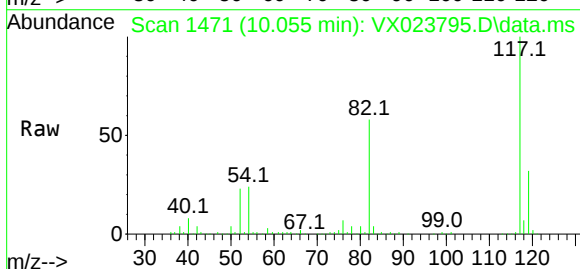
Instrument :
MSVOA_X
ClientSampleId :
23N

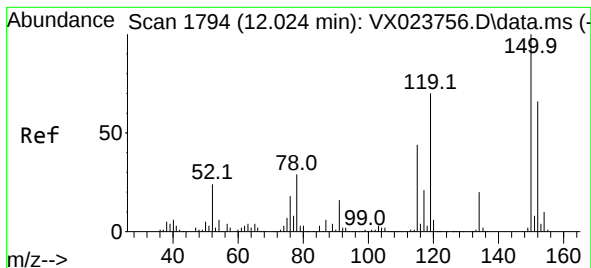
Tgt Ion: 95 Resp: 92530
Ion Ratio Lower Upper
95 100
174 81.3 0.0 154.6
176 77.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 117 Resp: 211398
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.1 26.6 39.8

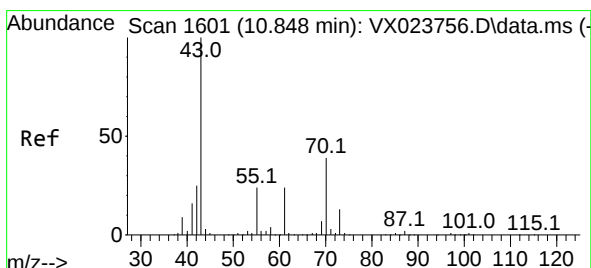
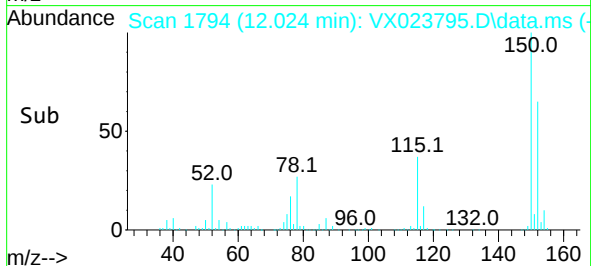
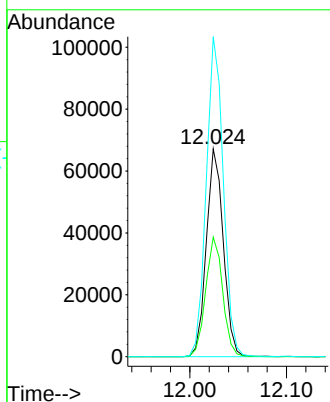
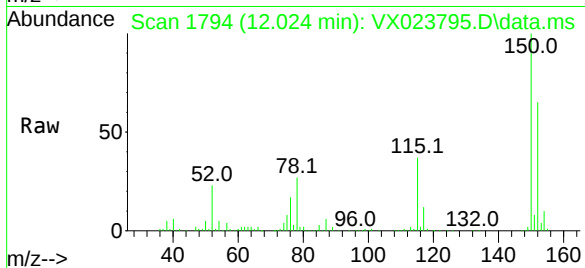




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

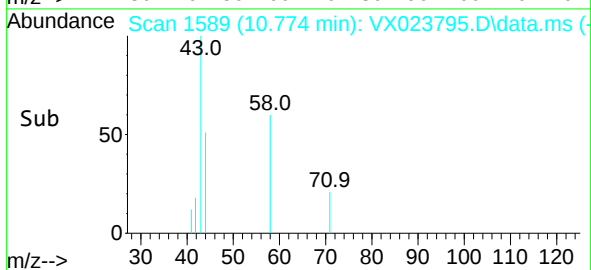
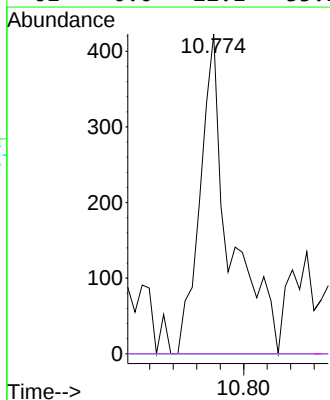
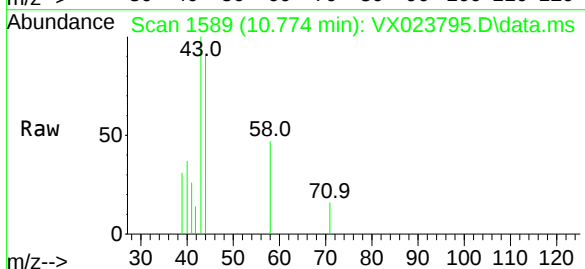
Instrument :
MSVOA_X
ClientSampled :
23N

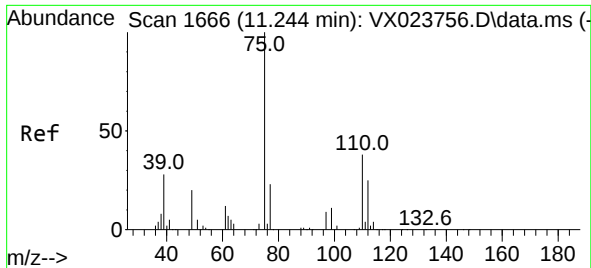
Tgt Ion:152 Resp: 82168
Ion Ratio Lower Upper
152 100
115 57.8 41.1 123.3
150 154.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.264 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

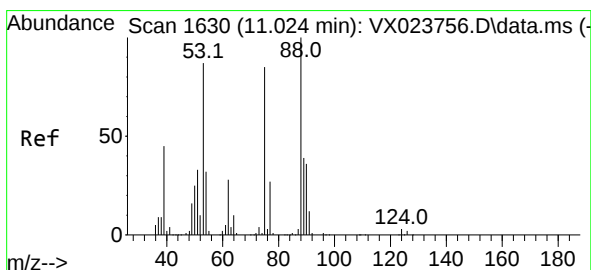
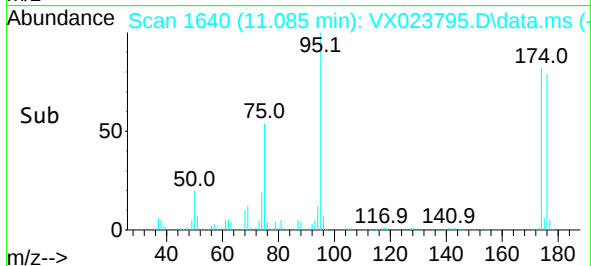
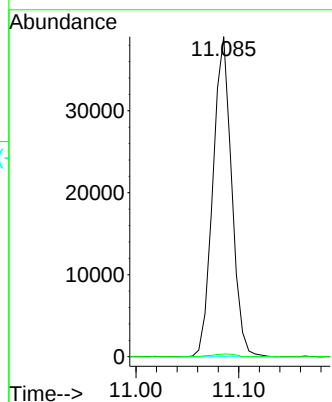
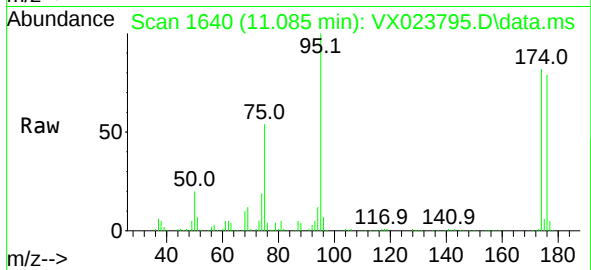




#76
1,2,3-Trichloropropane
Concen: 25.787 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

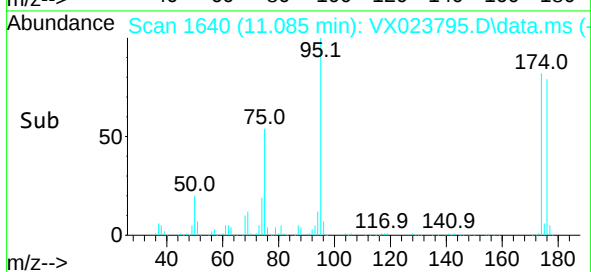
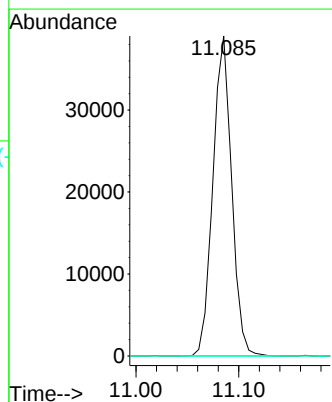
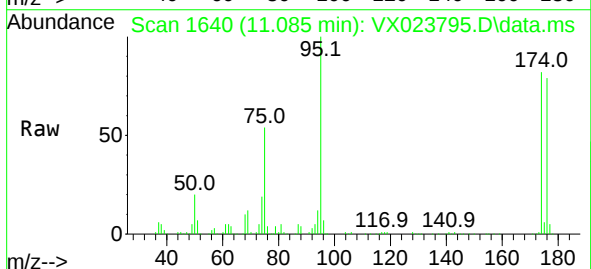
Instrument :
MSVOA_X
ClientSampled :
23N

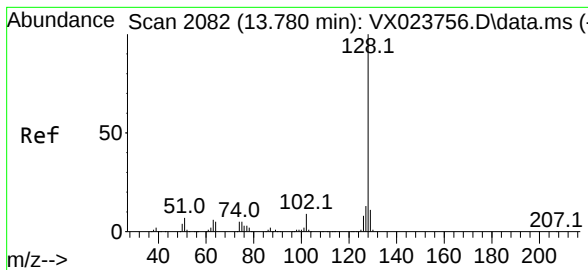
Tgt Ion: 75 Resp: 49427
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.853 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

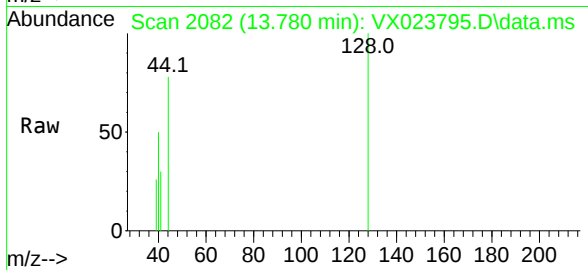
Tgt Ion: 75 Resp: 49427
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.310 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023795.D
Acq: 18 Aug 2021 04:39

Instrument :
MSVOA_X
ClientSampleId :
23N



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

