

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023800.D
 Acq On : 18 Aug 2021 06:37
 Operator : JC/MD
 Sample : M3341-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

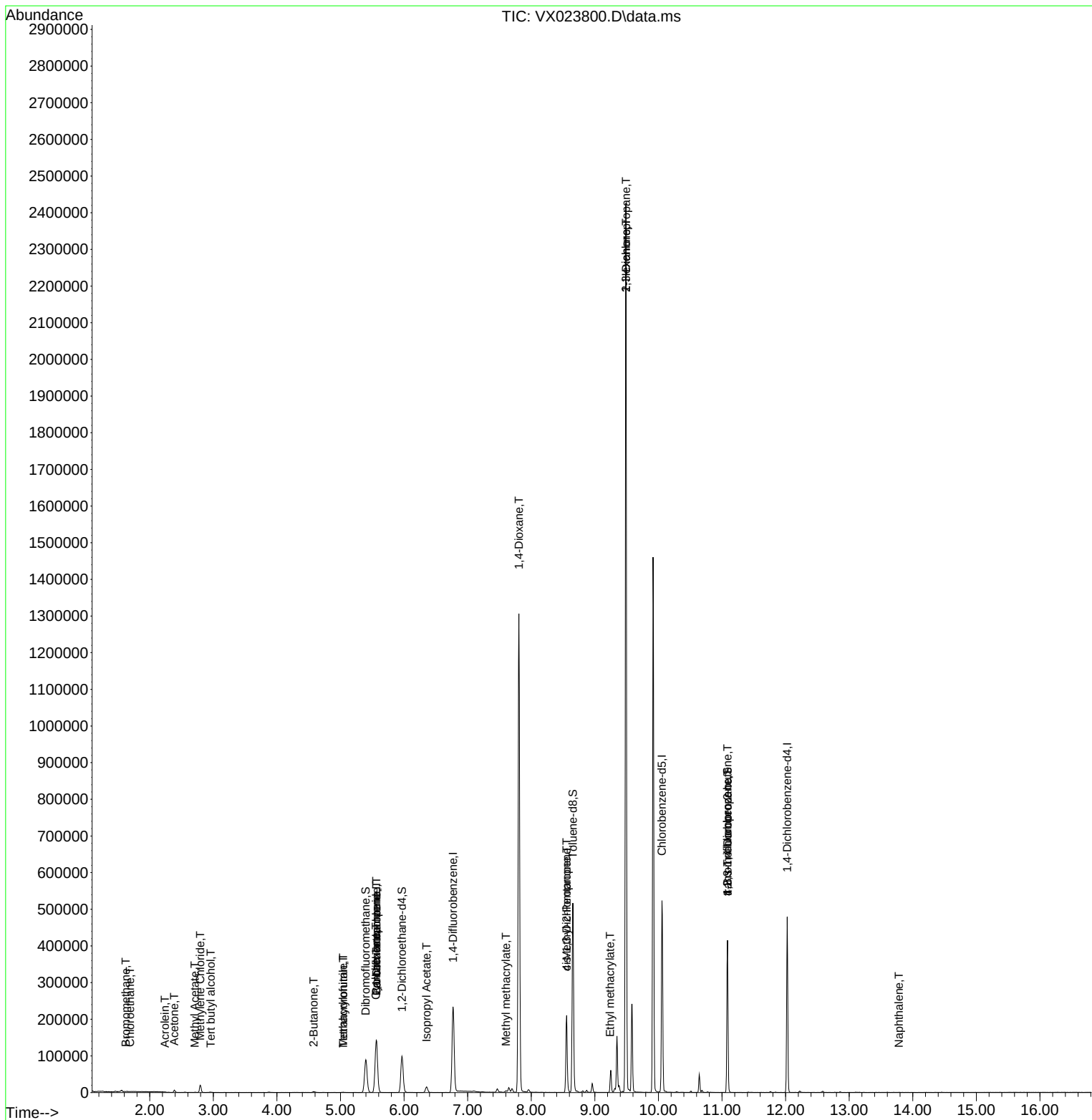
Quant Time: Aug 18 07:05:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

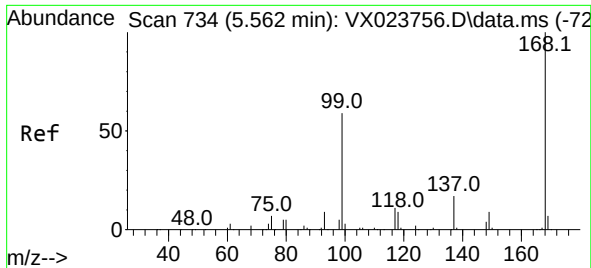
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	132058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97163	52.717	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.440%			
35) Dibromofluoromethane	5.397	113	75132	49.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.653	98	292641	50.454	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.900%			
62) 4-Bromofluorobenzene	11.085	95	102853	48.170	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.340%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	289	0.308	ug/l #	74
6) Chloroethane	1.691	64	415	2.536	ug/l #	43
11) Tert butyl alcohol	2.959	59	764	2.050	ug/l #	73
13) Acrolein	2.240	56	102	0.460	ug/l #	68
16) Acetone	2.386	43	6425	7.796	ug/l #	86
18) Methyl Acetate	2.709	43	1128	0.548	ug/l #	76
20) Methylene Chloride	2.794	84	8784	5.580	ug/l #	88
25) 2-Butanone	4.574	43	3315	2.656	ug/l #	71
29) Tetrahydrofuran	5.044	42	821	1.015	ug/l #	44
31) Cyclohexane	5.556	56	3213	1.357	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	11043	5.179	ug/l #	48
38) Carbon Tetrachloride	5.562	117	13846	6.227	ug/l #	17
41) Methacrylonitrile	5.044	41	387	0.272	ug/l #	42
43) Isopropyl Acetate	6.355	43	20896	5.097	ug/l #	91
48) Methyl methacrylate	7.604	41	6532	3.266	ug/l #	10
49) 1,4-Dioxane	7.806	88	250	5.915	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	72976	27.537	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	30900	12.099	ug/l #	70
56) Ethyl methacrylate	9.238	69	232	0.839	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	19412	6.958	ug/l #	42
59) 2-Hexanone	9.488	43	285465	140.134	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	54668	24.707	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54668	72.675	ug/l #	12
95) Naphthalene	13.780	128	108	1.298	ug/l #	69

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

Quant Time: Aug 18 07:05:57 2021
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Response via : Initial Calibration

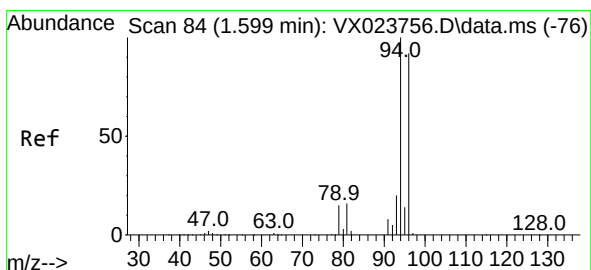
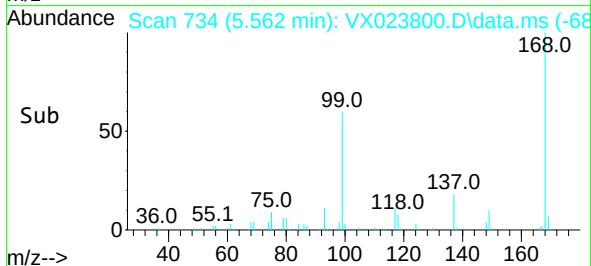
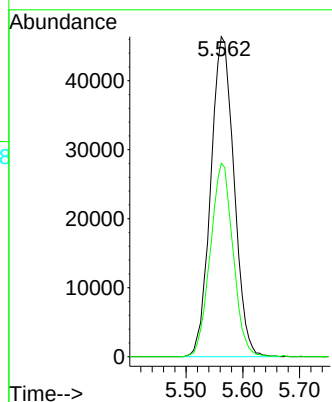
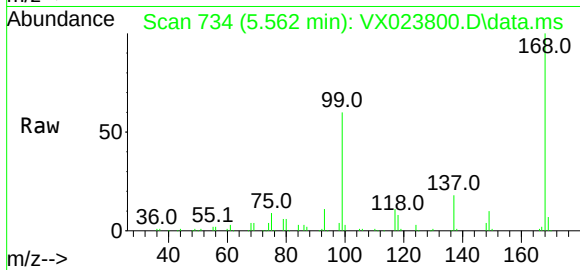




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

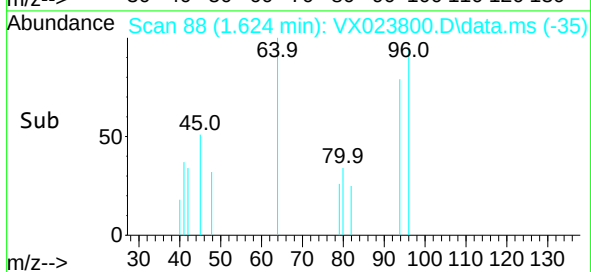
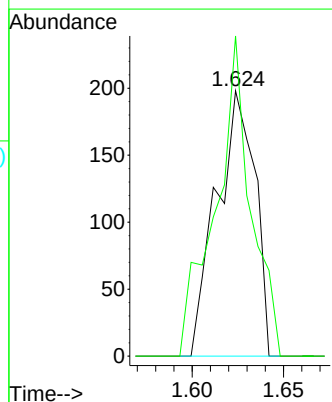
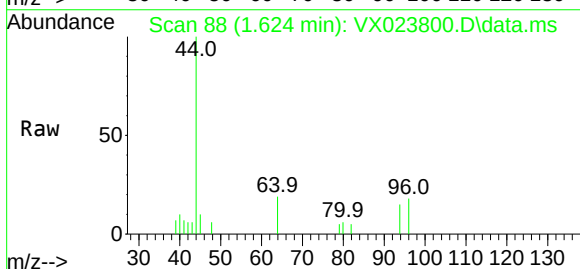
Instrument :
MSVOA_X
ClientSampled :
WC-4

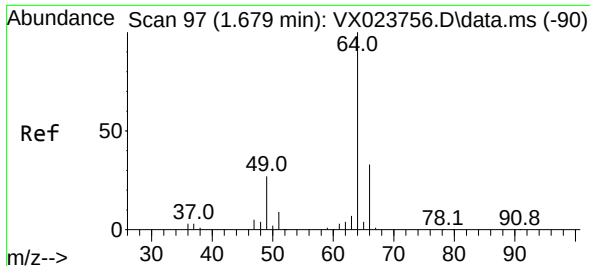
Tgt Ion:168 Resp: 132058
Ion Ratio Lower Upper
168 100
99 60.4 45.8 68.6



#5
Bromomethane
Concen: 0.308 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 120.7 76.4 114.6#

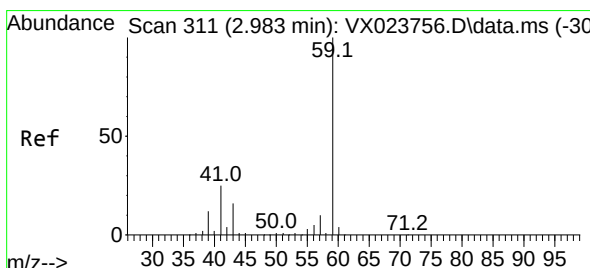
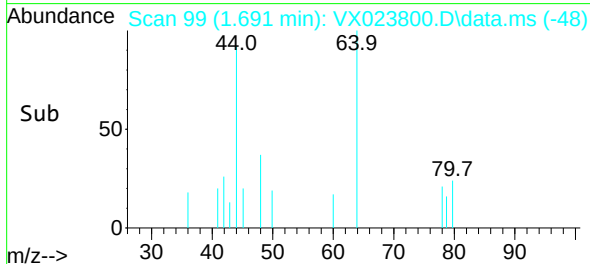
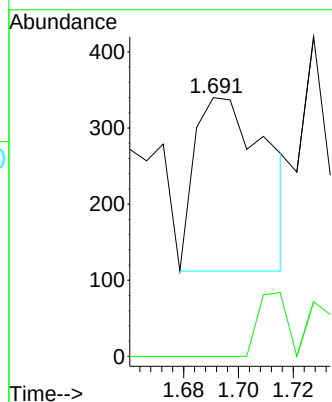
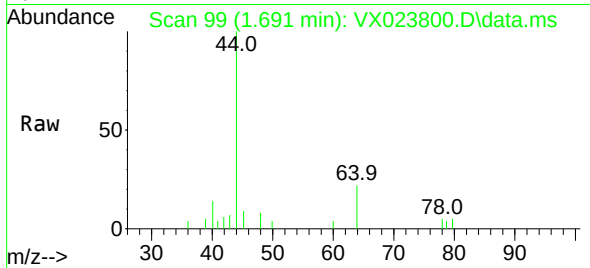




#6
Chloroethane
Concen: 2.536 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

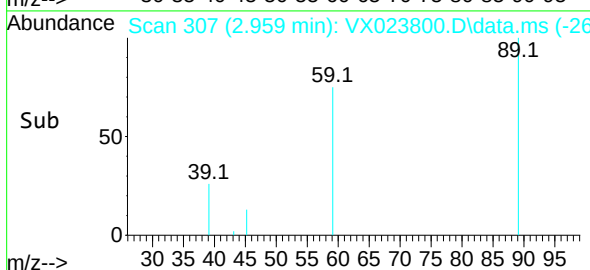
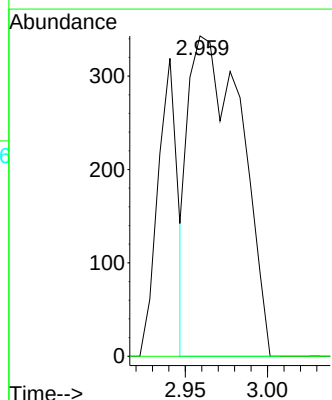
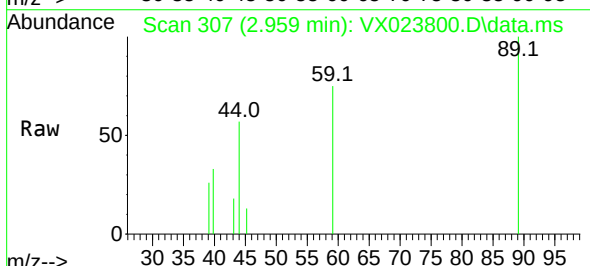
Instrument :
MSVOA_X
ClientSampled :
WC-4

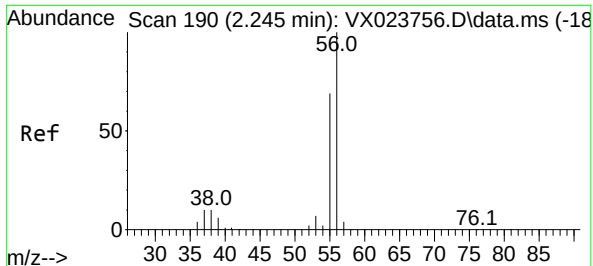
Tgt Ion: 64 Resp: 415
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.050 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 59 Resp: 764
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

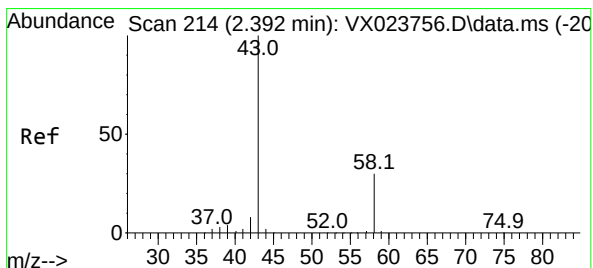
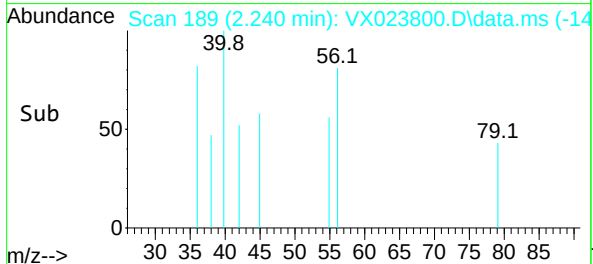
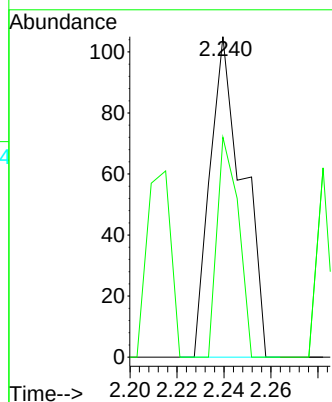
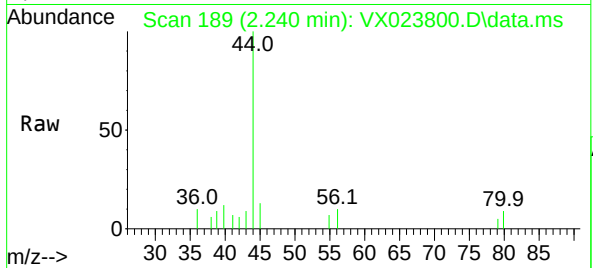




#13
Acrolein
Concen: 0.460 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.005 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

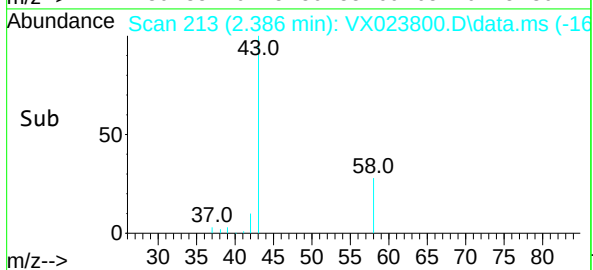
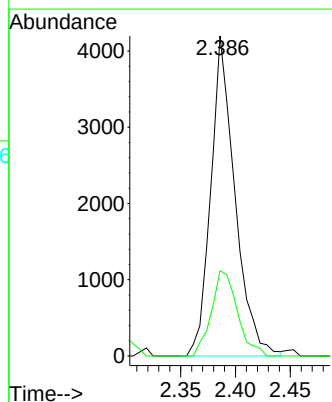
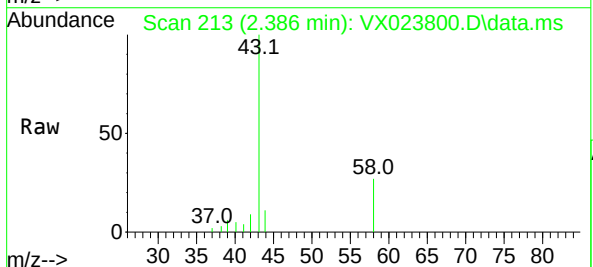
Instrument :
MSVOA_X
ClientSampled :
WC-4

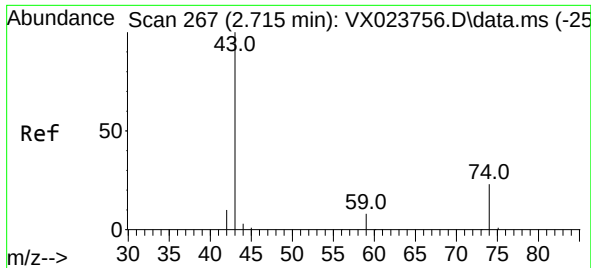
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 44.1 56.4 84.6#



#16
Acetone
Concen: 7.796 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 43 Resp: 6425
Ion Ratio Lower Upper
43 100
58 26.6 27.8 41.8#

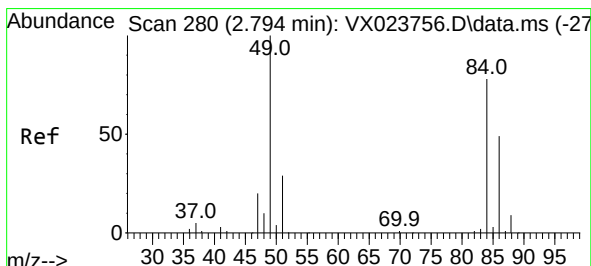
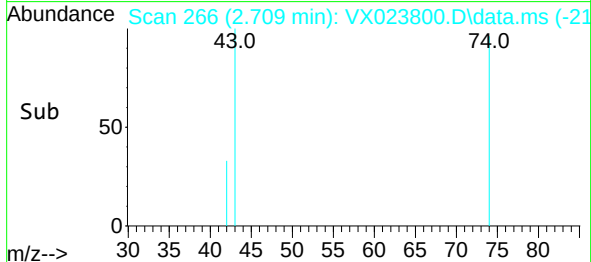
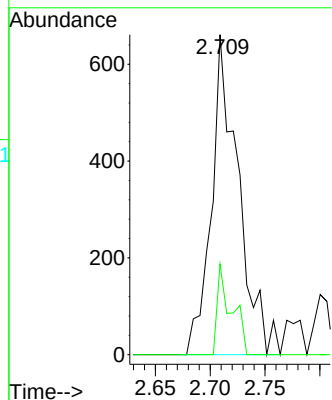
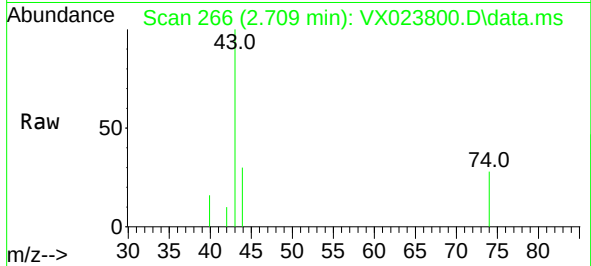




#18
Methyl Acetate
Concen: 0.548 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

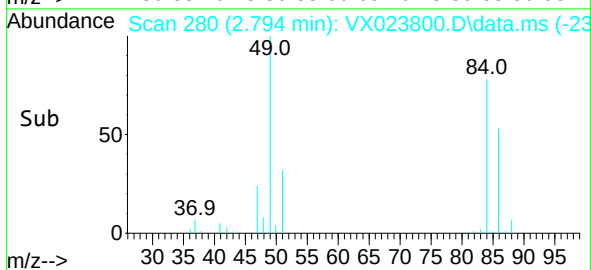
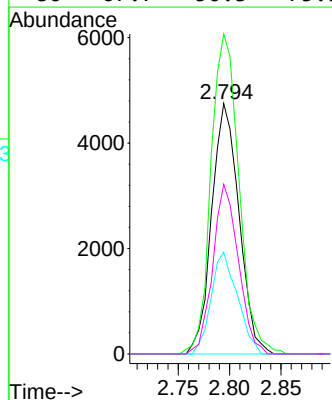
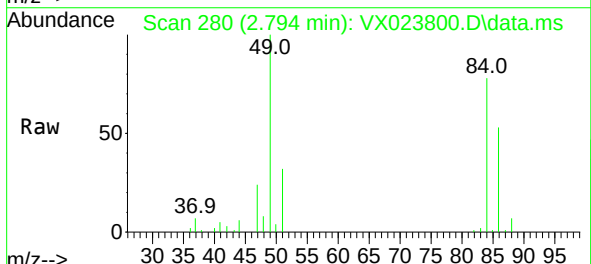
Instrument :
MSVOA_X
ClientSampled :
WC-4

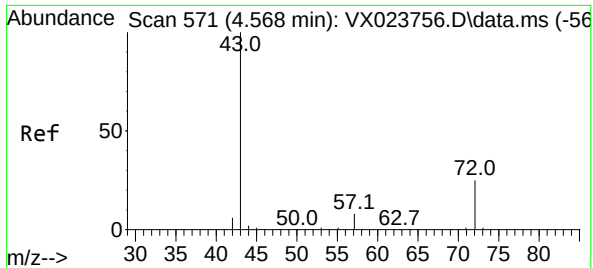
Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
74 14.9 21.9 32.9#



#20
Methylene Chloride
Concen: 5.580 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 84 Resp: 8784
Ion Ratio Lower Upper
84 100
49 127.8 88.6 132.8
51 40.6 27.0 40.6#
86 67.7 50.3 75.5

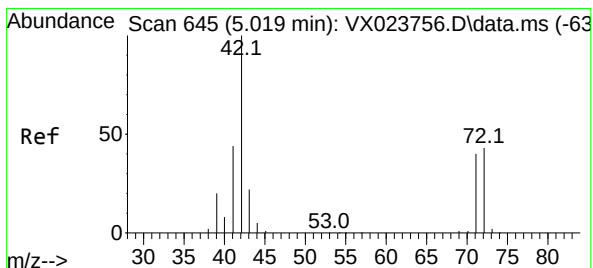
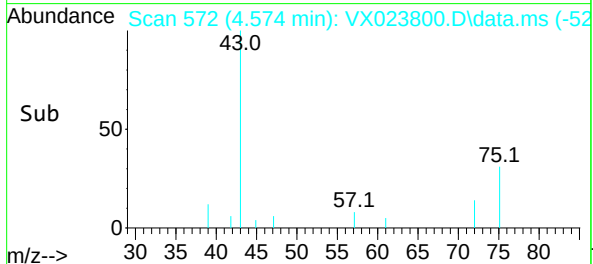
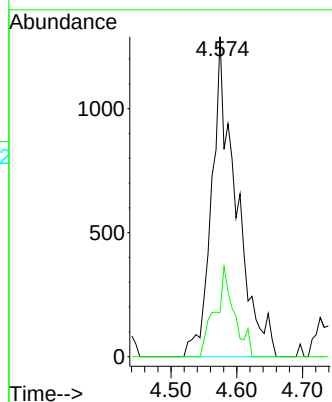
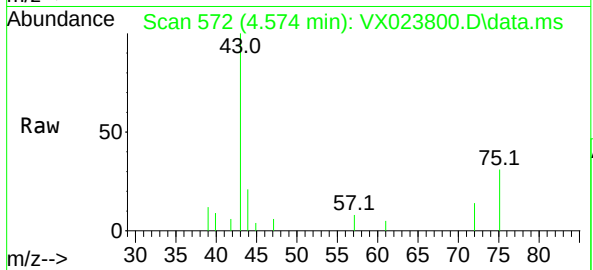




#25
2-Butanone
Concen: 2.656 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

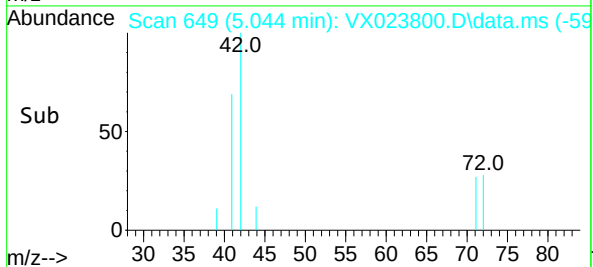
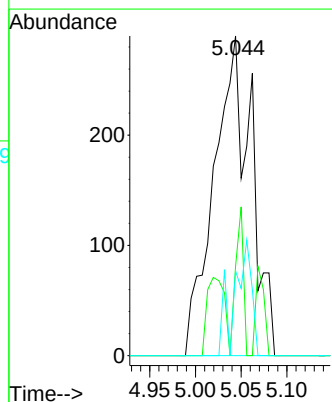
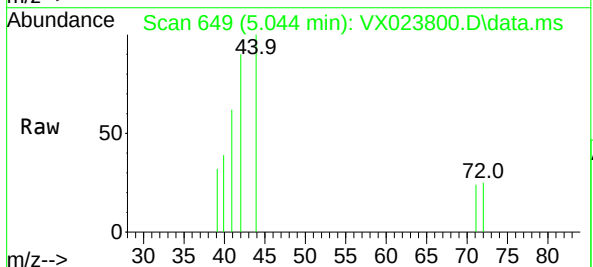
Instrument :
MSVOA_X
ClientSampled :
WC-4

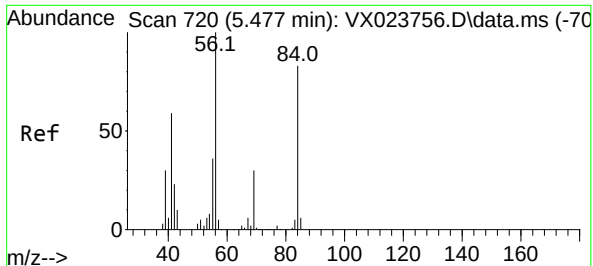
Tgt Ion: 43 Resp: 3315
Ion Ratio Lower Upper
43 100
72 13.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.015 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 42 Resp: 821
Ion Ratio Lower Upper
42 100
72 9.6 41.7 62.5#
71 13.5 38.4 57.6#

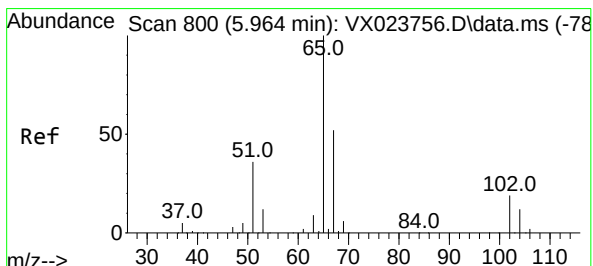
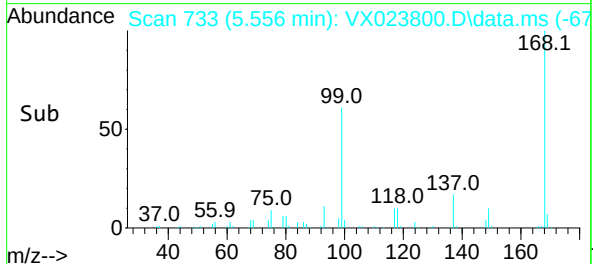
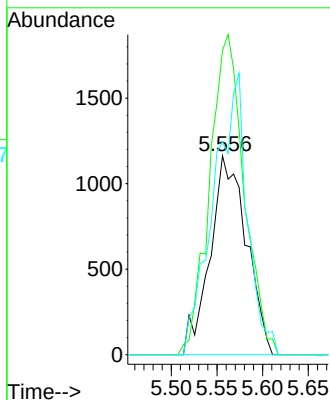
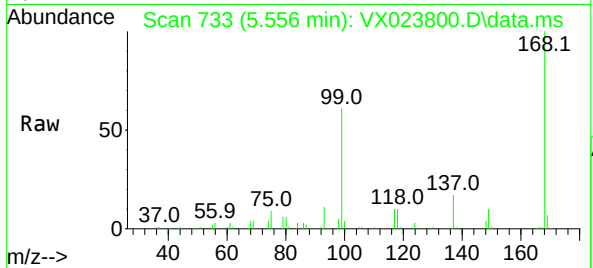




#31
Cyclohexane
Concen: 1.357 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

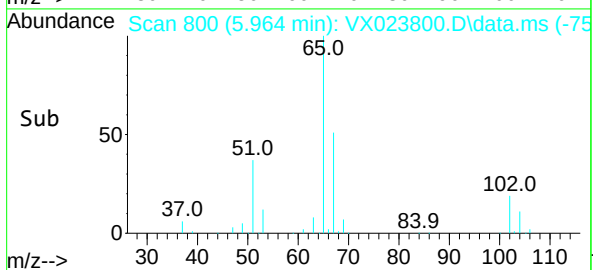
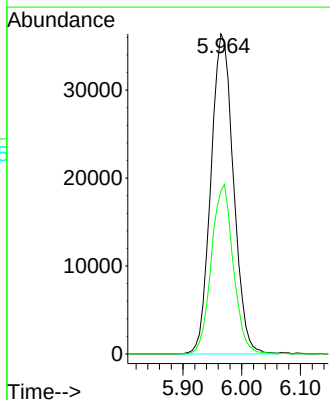
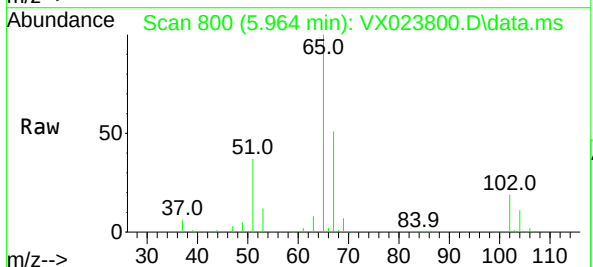
Instrument :
MSVOA_X
ClientSampled :
WC-4

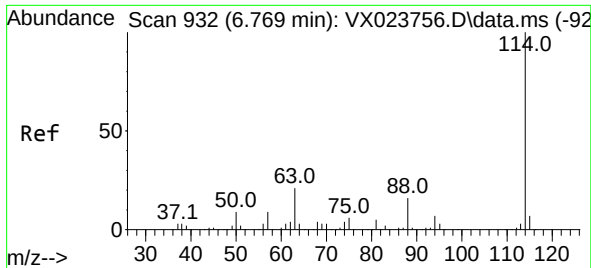
Tgt Ion: 56 Resp: 3213
Ion Ratio Lower Upper
56 100
69 153.0 25.3 37.9#
84 107.0 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.717 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 65 Resp: 97163
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

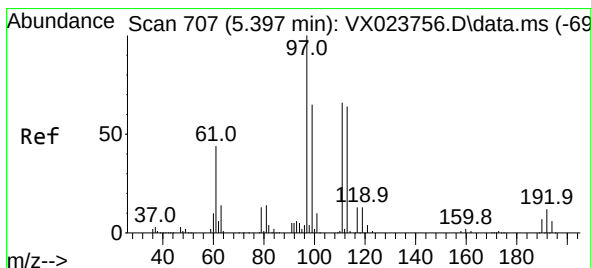
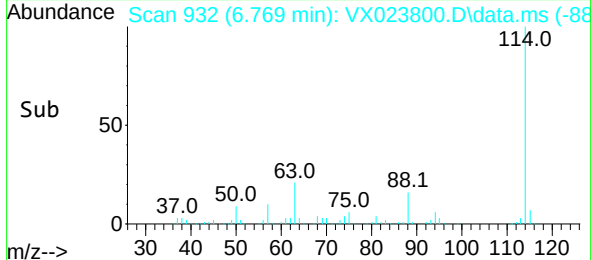
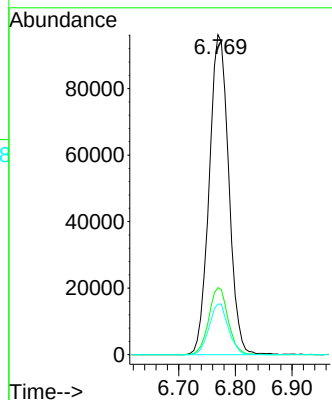
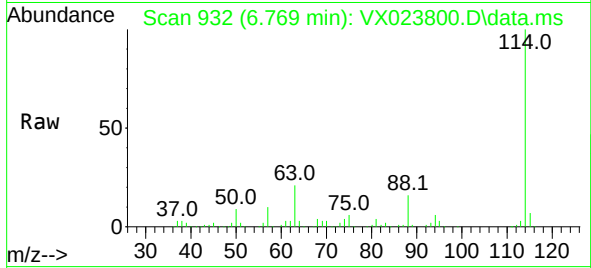




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

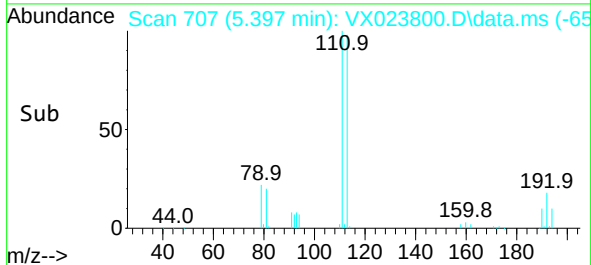
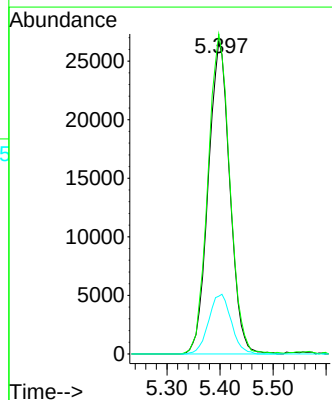
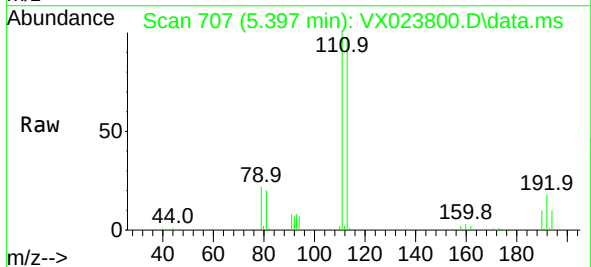
Instrument :
MSVOA_X
ClientSampled :
WC-4

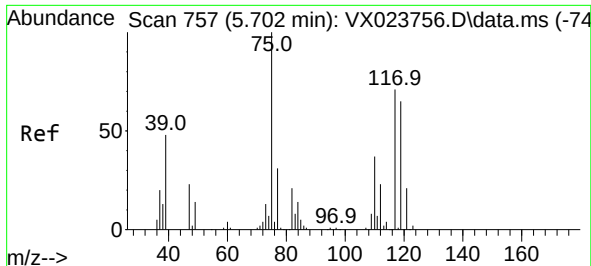
Tgt Ion:114 Resp: 230244
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.302 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion:113 Resp: 75132
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 20.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.179 ug/l

RT: 5.562 min Scan# 734

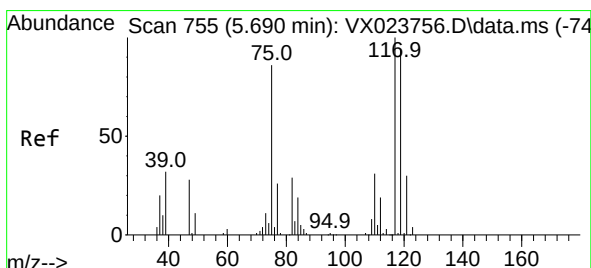
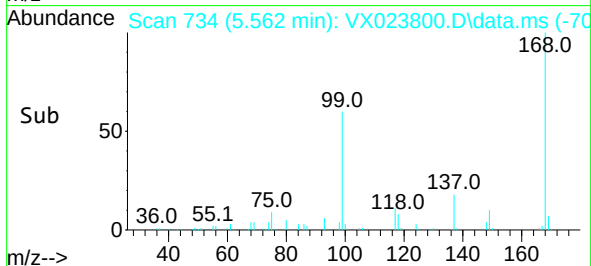
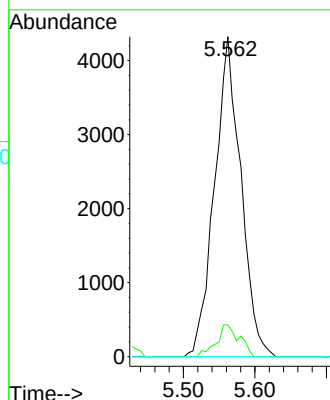
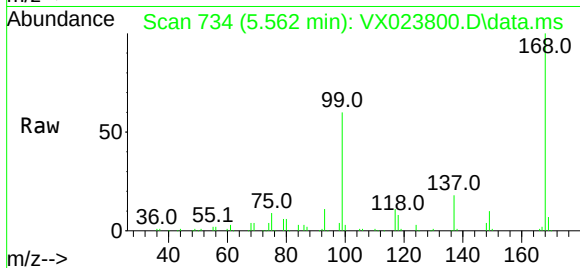
Delta R.T. -0.140 min

Lab File: VX023800.D

Acq: 18 Aug 2021 06:37

Tgt Ion:	75	Resp:	11043
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :
WC-4



#38

Carbon Tetrachloride

Concen: 6.227 ug/l

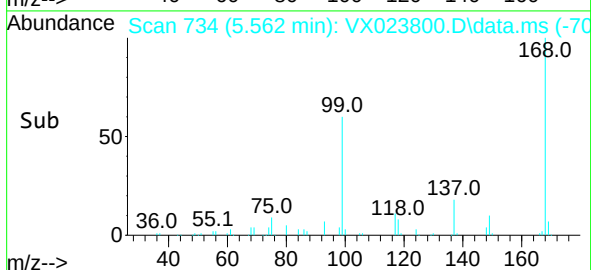
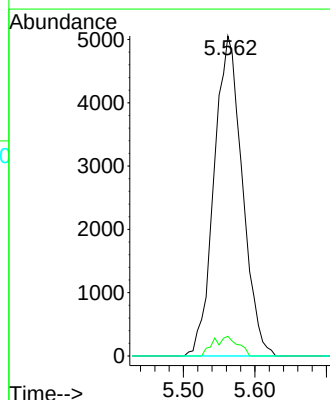
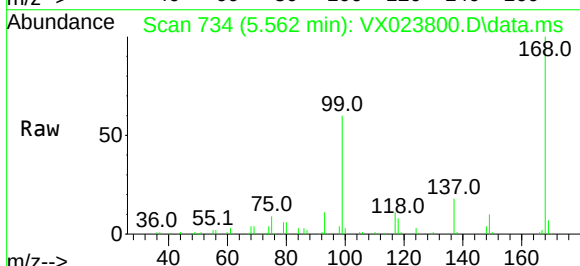
RT: 5.562 min Scan# 734

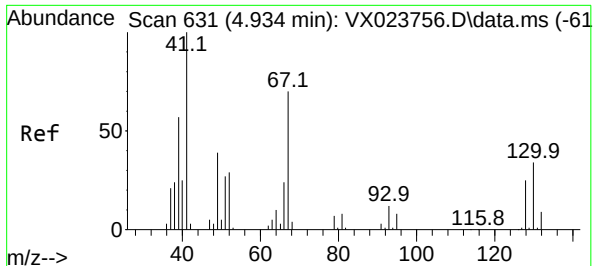
Delta R.T. -0.128 min

Lab File: VX023800.D

Acq: 18 Aug 2021 06:37

Tgt Ion:	117	Resp:	13846
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.8	37.2#

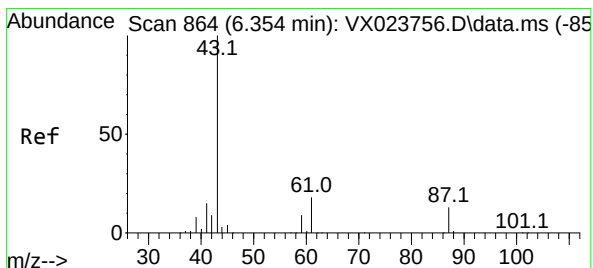
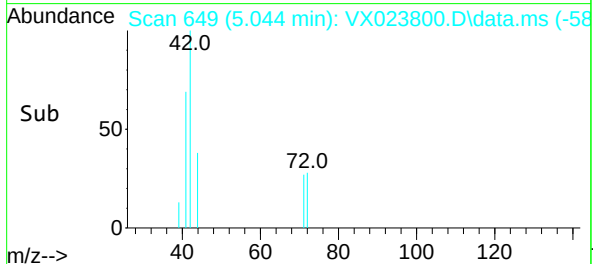
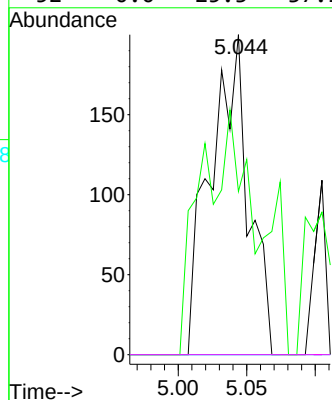
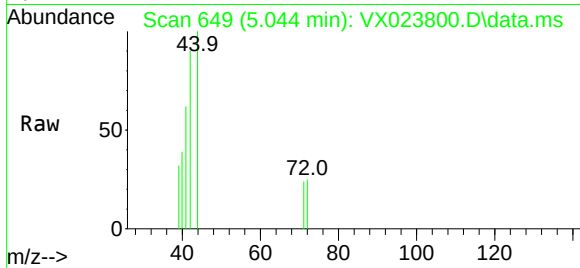




#41
Methacrylonitrile
Concen: 0.272 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.110 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

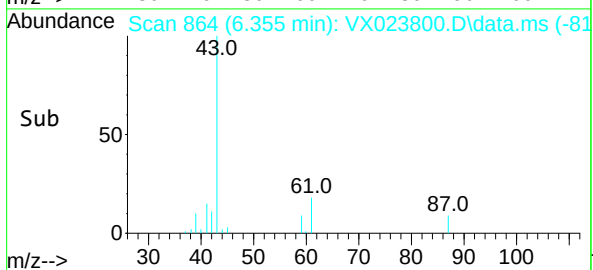
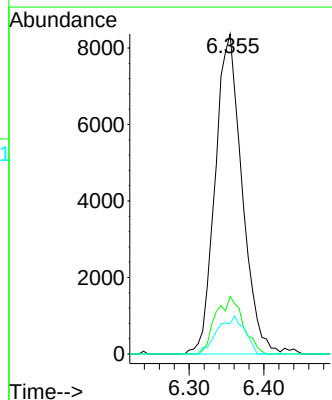
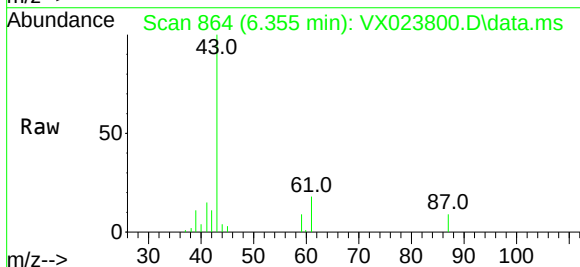
Instrument :
MSVOA_X
ClientSampled :
WC-4

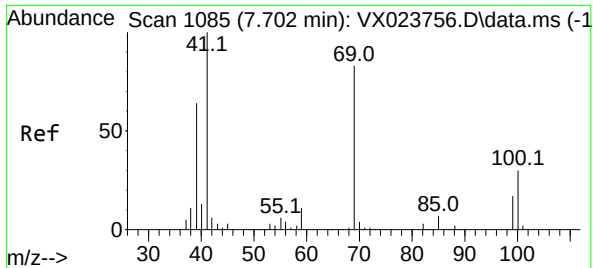
Tgt Ion:	41	Resp:	387
Ion	Ratio	Lower	Upper
41	100		
39	48.6	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.097 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion:	43	Resp:	20896
Ion	Ratio	Lower	Upper
43	100		
61	18.3	18.2	27.4
87	12.0	12.5	18.7#

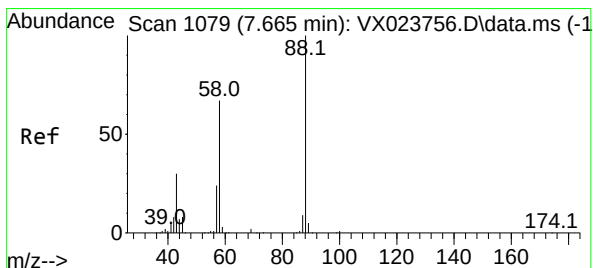
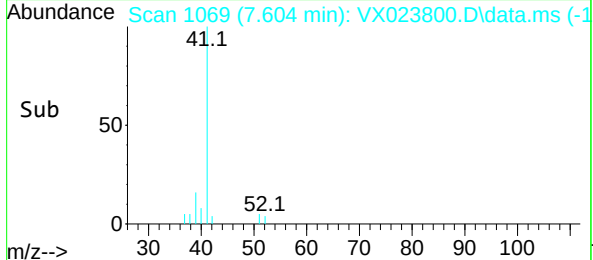
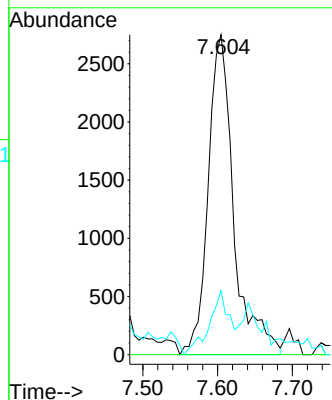
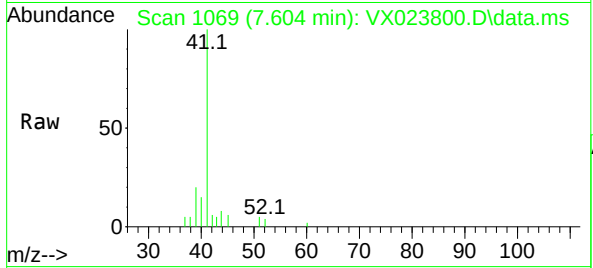




#48
Methyl methacrylate
Concen: 3.266 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

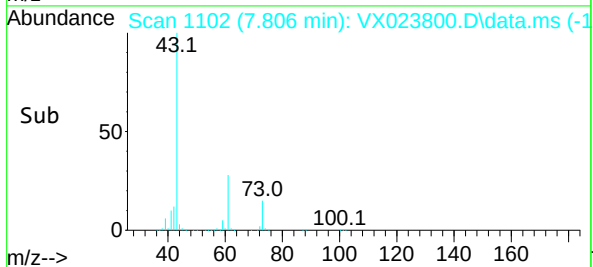
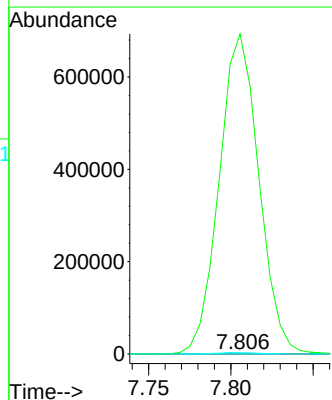
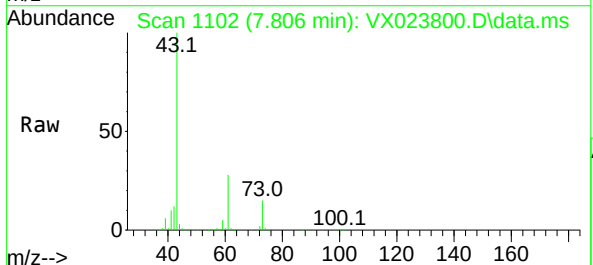
Instrument :
MSVOA_X
ClientSampled :
WC-4

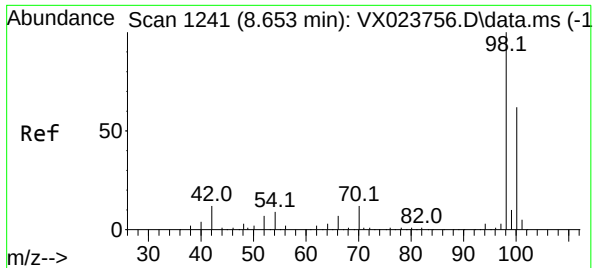
Tgt Ion: 41 Resp: 6532
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 5.915 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
43 467271.2 23.2 34.8#
58 2093.2 55.0 82.4#

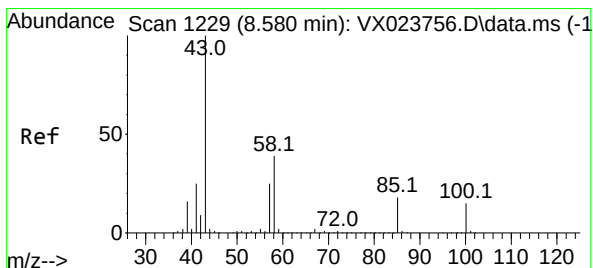
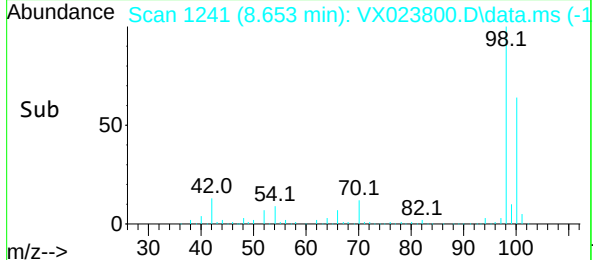
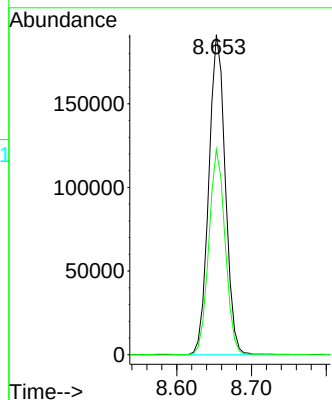
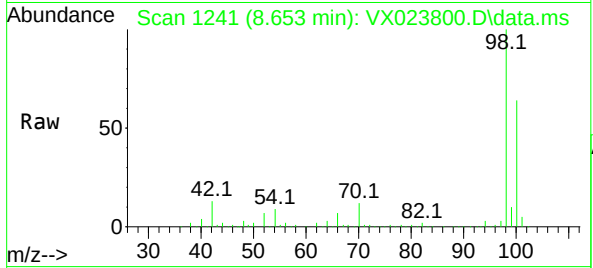




#50
Toluene-d8
Concen: 50.454 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

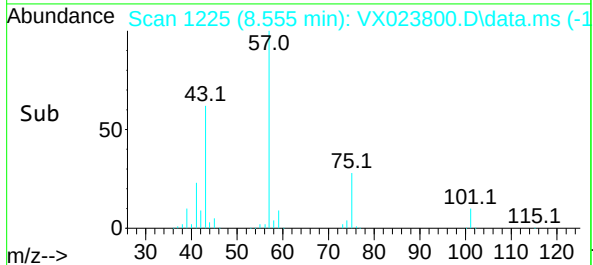
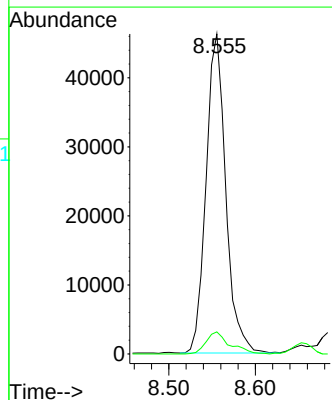
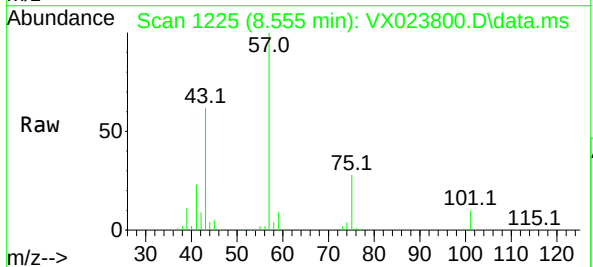
Instrument :
MSVOA_X
ClientSampled :
WC-4

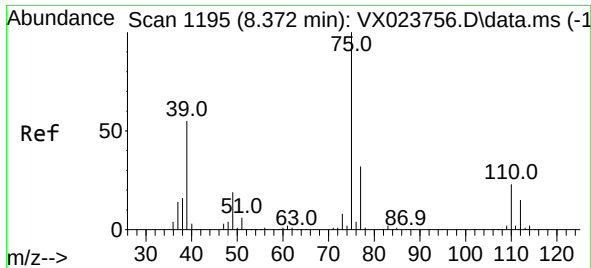
Tgt Ion: 98 Resp: 292641
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.537 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 43 Resp: 72976
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

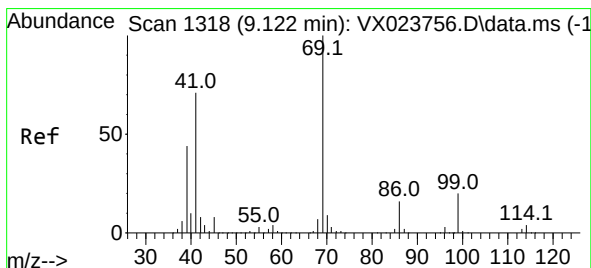
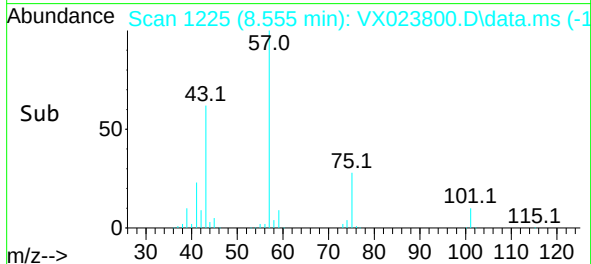
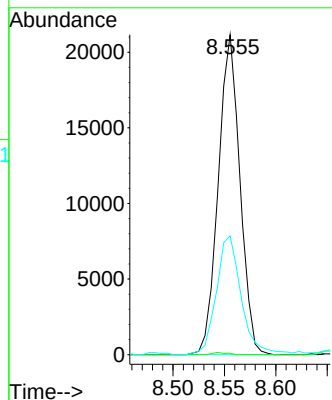
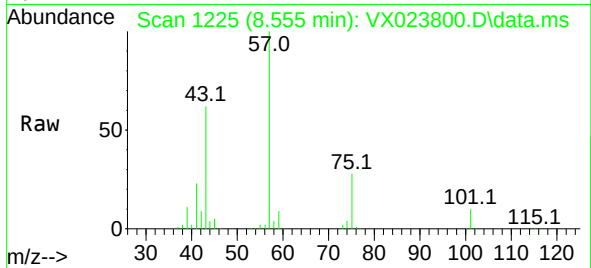




#54
cis-1,3-Dichloropropene
Concen: 12.099 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

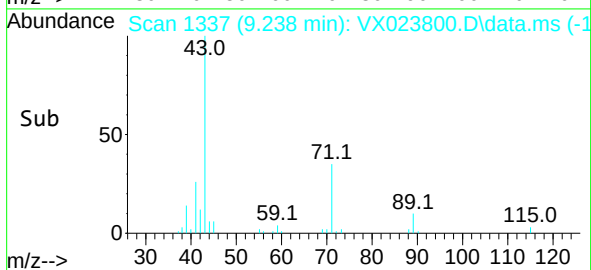
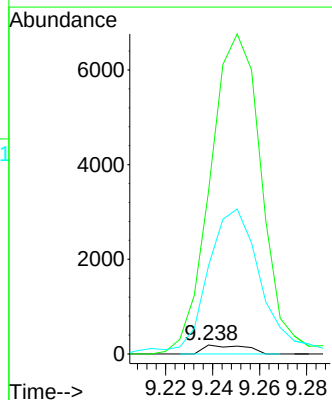
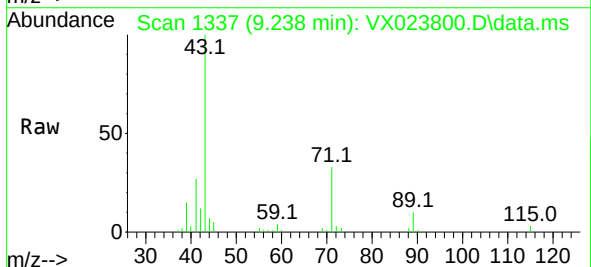
Instrument :
MSVOA_X
ClientSampled :
WC-4

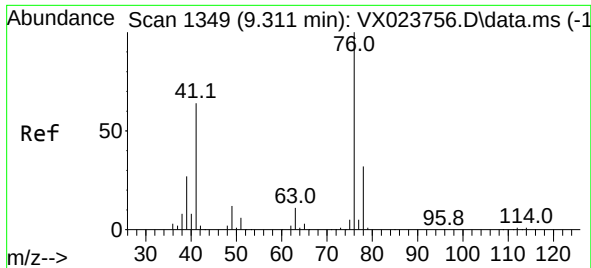
Tgt Ion: 75 Resp: 30900
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 37.2 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.839 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.116 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 69 Resp: 232
Ion Ratio Lower Upper
69 100
41 4418.5 46.8 70.2#
39 2102.6 24.7 37.1#

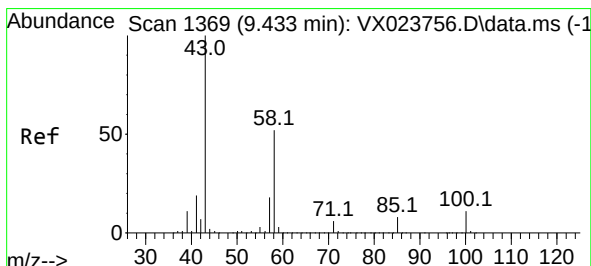
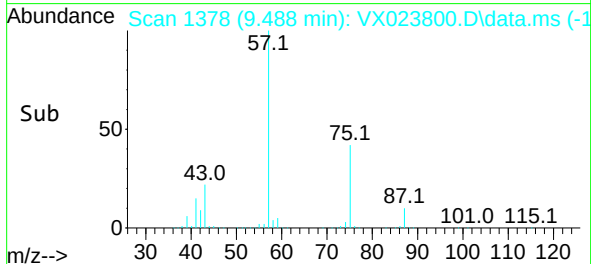
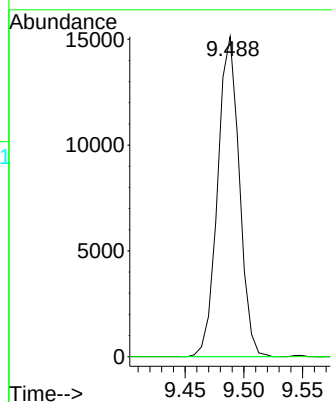
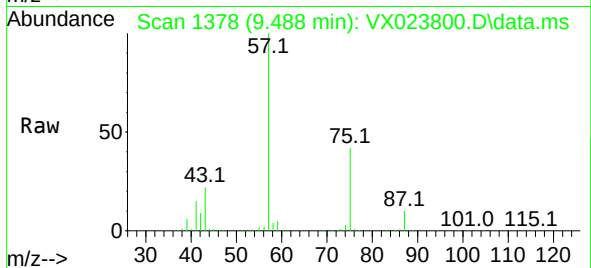




#57
1,3-Dichloropropane
Concen: 6.958 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

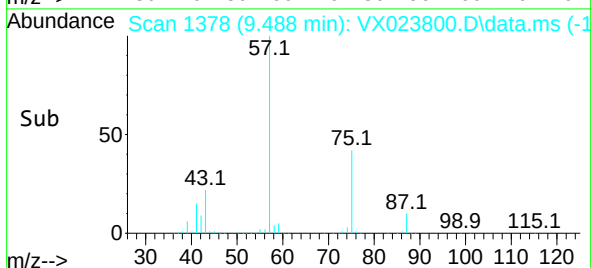
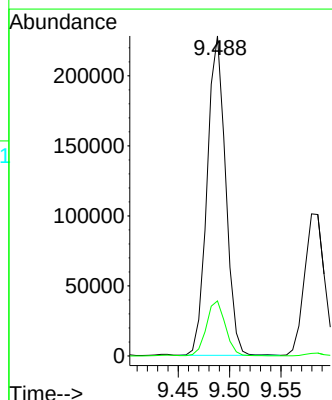
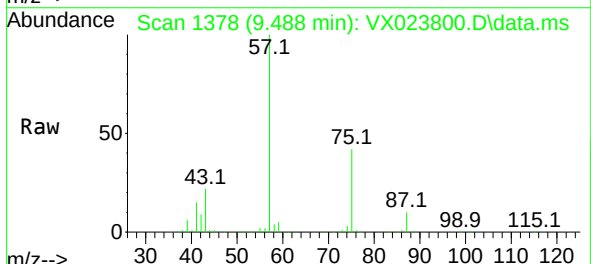
Instrument :
MSVOA_X
ClientSampled :
WC-4

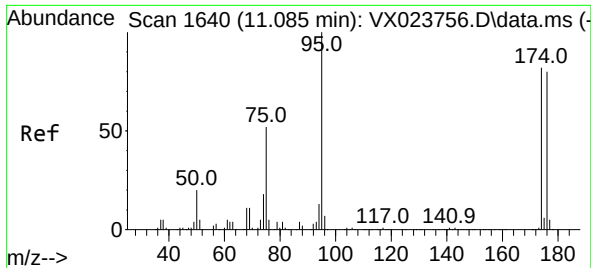
Tgt Ion: 76 Resp: 19412
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 140.134 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 43 Resp: 285465
Ion Ratio Lower Upper
43 100
58 17.7 30.9 92.8#

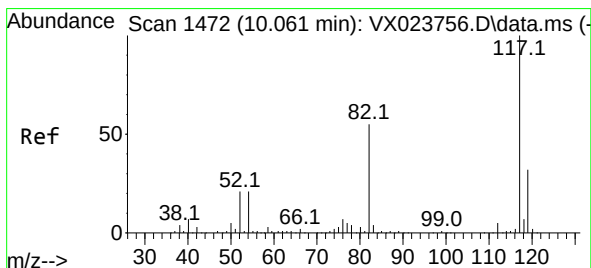
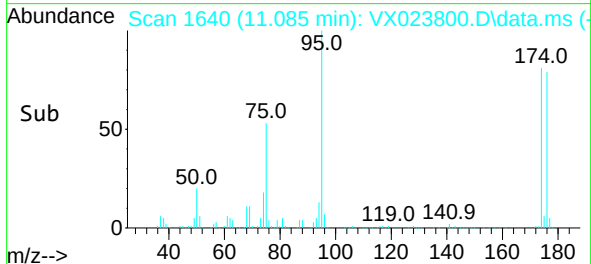
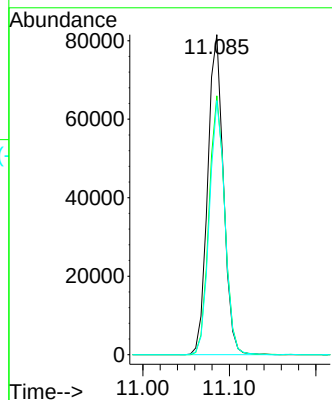
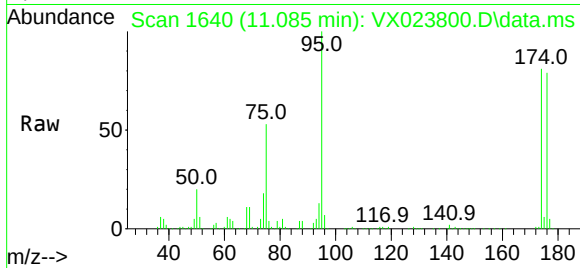




#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

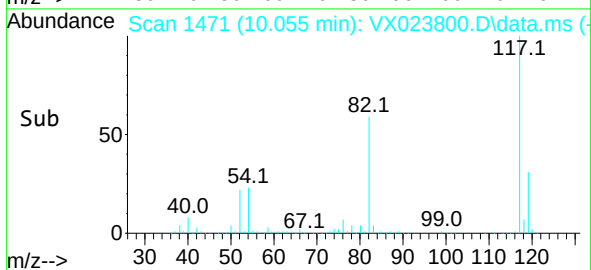
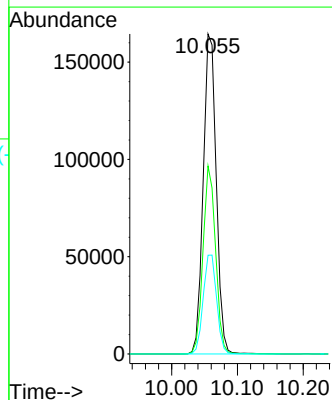
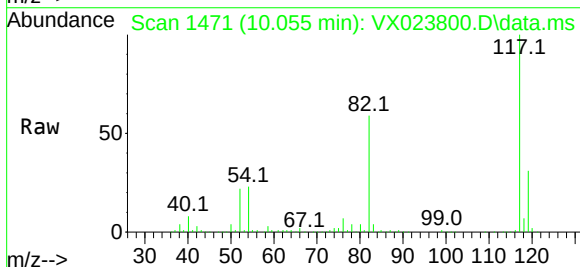
Instrument :
MSVOA_X
ClientSampled :
WC-4

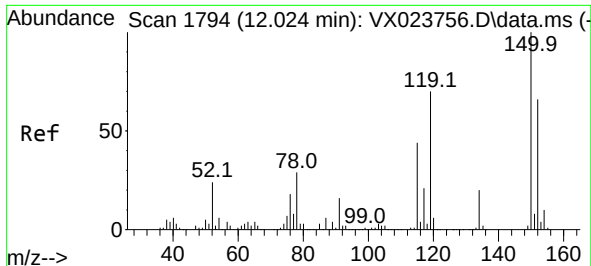
Tgt Ion: 95 Resp: 102853
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 117 Resp: 226470
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 30.9 26.6 39.8

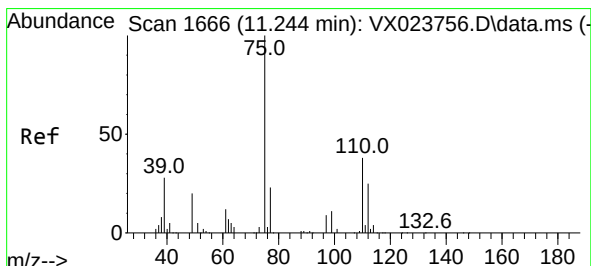
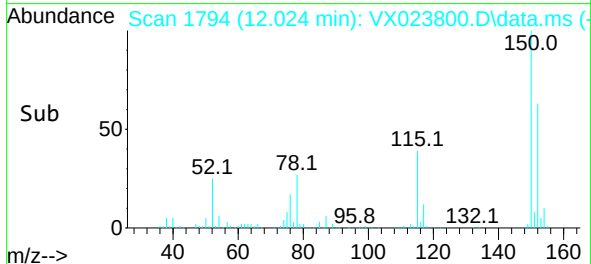
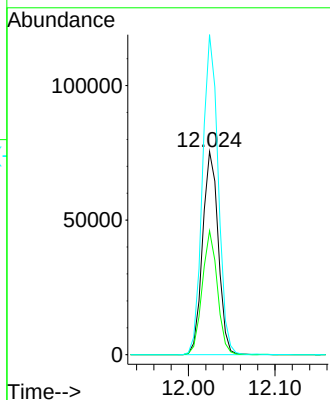
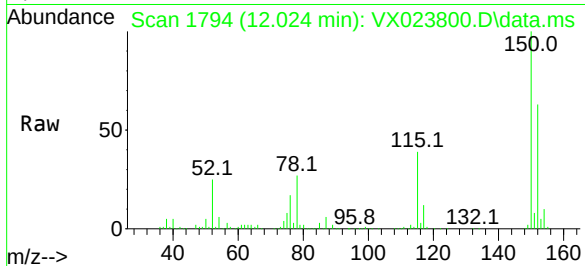




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023800.D
 Acq: 18 Aug 2021 06:37

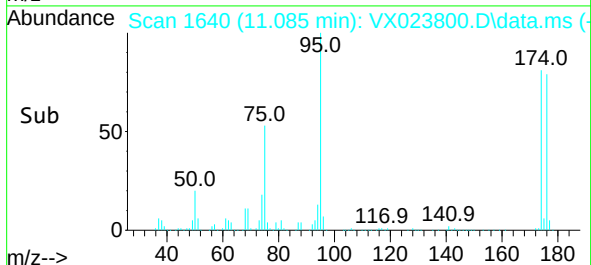
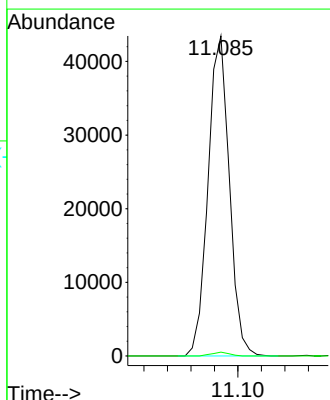
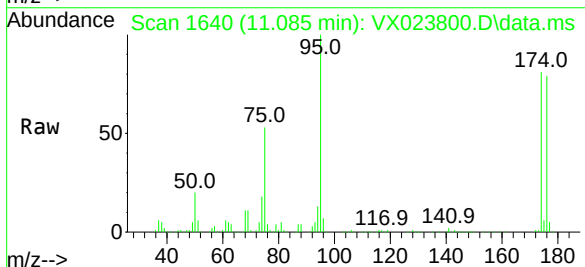
Instrument :
 MSVOA_X
 ClientSampled :
 WC-4

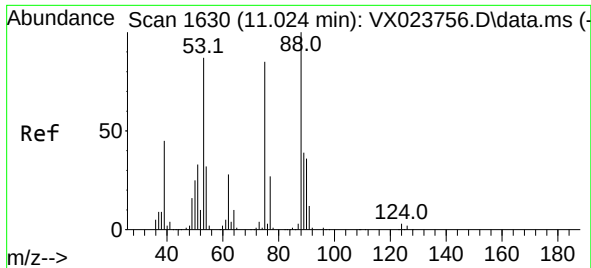
Tgt Ion:152 Resp: 94854
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 157.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.707 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023800.D
 Acq: 18 Aug 2021 06:37

Tgt Ion: 75 Resp: 54668
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

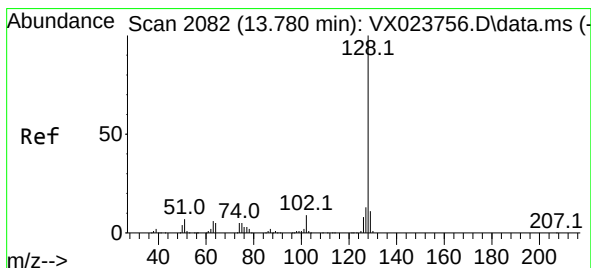
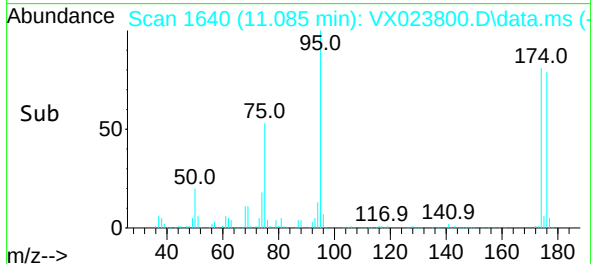
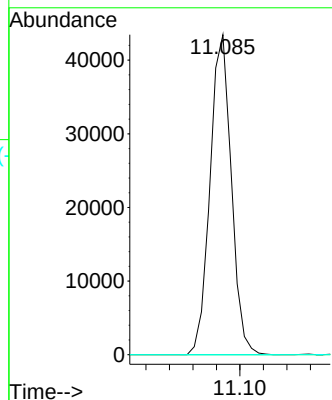
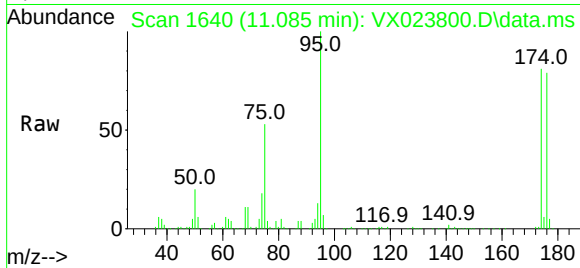




#81
trans-1,4-Dichloro-2-butene
Concen: 72.675 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Instrument :
MSVOA_X
ClientSampled :
WC-4

Tgt Ion: 75 Resp: 54668
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.298 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023800.D
Acq: 18 Aug 2021 06:37

Tgt Ion: 128 Resp: 108
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

