

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024172.D
 Acq On : 10 Sep 2021 17:43
 Operator : JC/MD
 Sample : PB139005TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:25:55 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

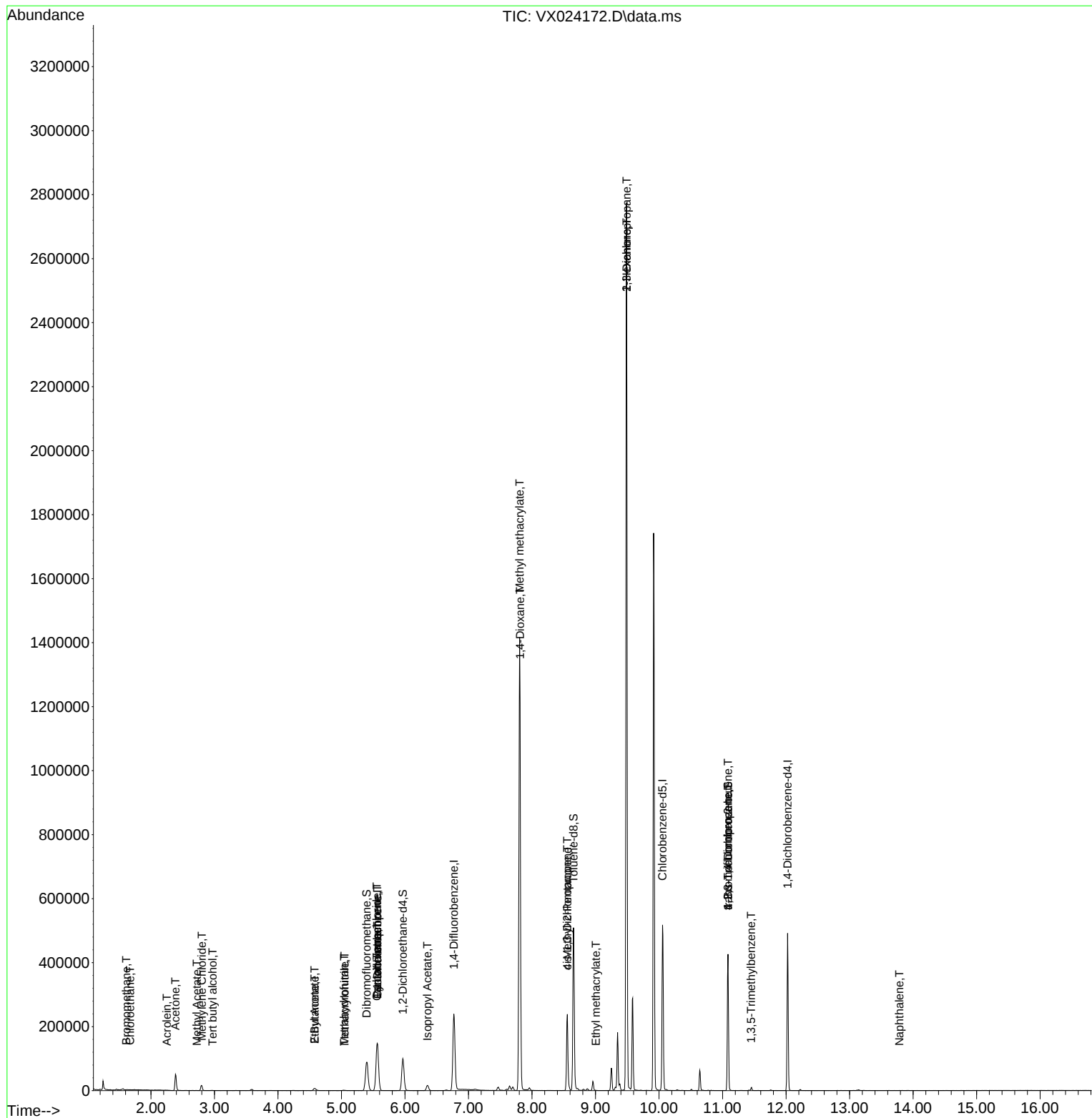
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	139248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100720	51.825	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.660%	
35) Dibromofluoromethane	5.397	113	77957	49.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.200%	
50) Toluene-d8	8.653	98	292943	48.975	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.940%	
62) 4-Bromofluorobenzene	11.085	95	107828	48.969	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.940%	
Target Compounds						Qvalue
5) Bromomethane	1.612	94	362	0.366	ug/l	# 45
6) Chloroethane	1.672	64	565	2.628	ug/l	90
11) Tert butyl alcohol	2.971	59	771	1.962	ug/l	# 73
13) Acrolein	2.252	56	61	0.261	ug/l	# 70
16) Acetone	2.386	43	52672	60.614	ug/l	92
18) Methyl Acetate	2.721	43	803	0.370	ug/l	# 52
20) Methylene Chloride	2.800	84	7031	4.236	ug/l	91
25) 2-Butanone	4.574	43	12529	9.519	ug/l	# 86
29) Tetrahydrofuran	5.044	42	1034	1.213	ug/l	# 77
31) Cyclohexane	5.562	56	3038	1.217	ug/l	# 48
36) 1,1-Dichloropropene	5.562	75	11065	5.032	ug/l	# 50
37) Ethyl Acetate	4.574	43	12529	4.635	ug/l	# 64
38) Carbon Tetrachloride	5.556	117	14276	6.226	ug/l	# 16
41) Methacrylonitrile	5.050	41	630	0.430	ug/l	# 21
43) Isopropyl Acetate	6.355	43	22181	5.246	ug/l	93
48) Methyl methacrylate	7.806	41	125987	61.085	ug/l	# 37
49) 1,4-Dioxane	7.812	88	192	4.405	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	84510	30.922	ug/l	# 45
54) cis-1,3-Dichloropropene	8.555	75	35822	13.601	ug/l	# 67
56) Ethyl methacrylate	9.007	69	167	0.815	ug/l	# 29
57) 1,3-Dichloropropane	9.488	76	22680	7.883	ug/l	# 42
59) 2-Hexanone	9.488	43	328969	156.594	ug/l	# 43
76) 1,2,3-Trichloropropane	11.085	75	57961	25.810	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	4393	0.728	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	57961	75.920	ug/l	# 12
95) Naphthalene	13.786	128	194	1.309	ug/l	# 69

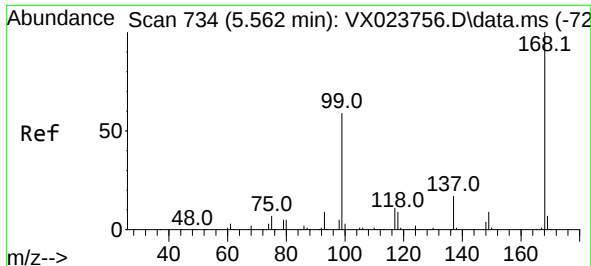
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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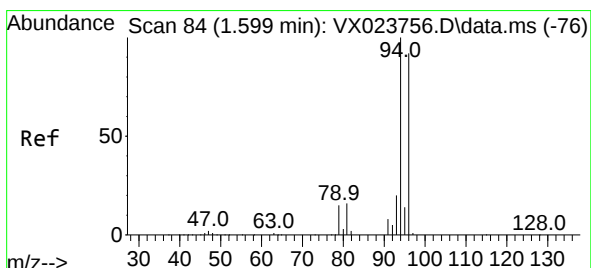
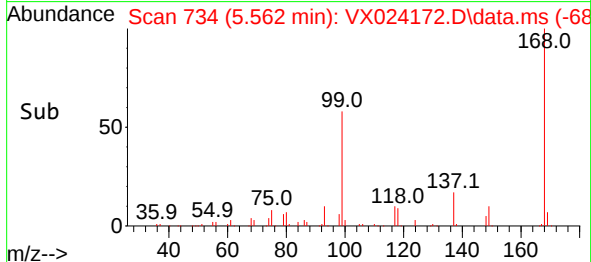
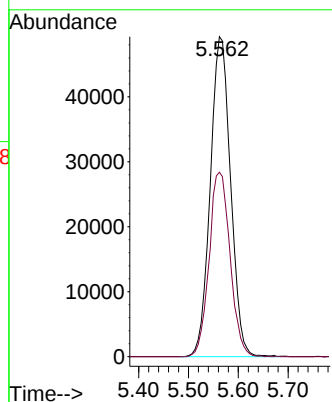
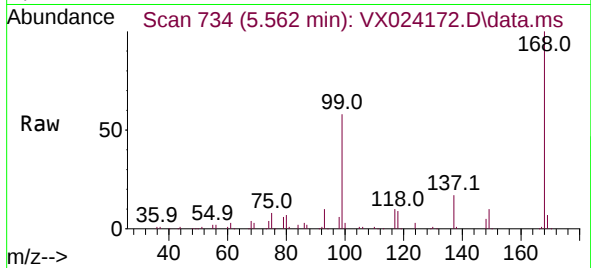




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

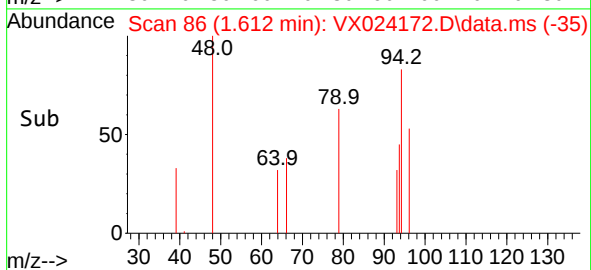
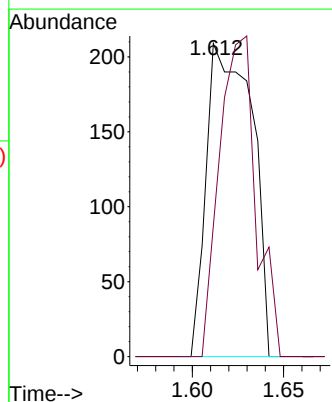
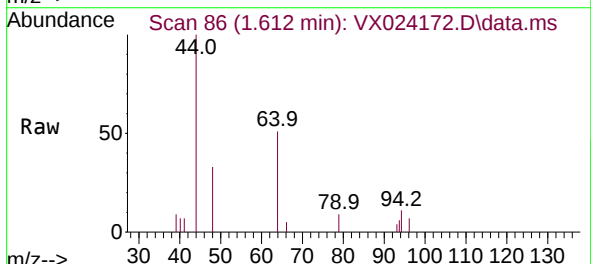
Instrument :
MSVOA_X
ClientSampled :

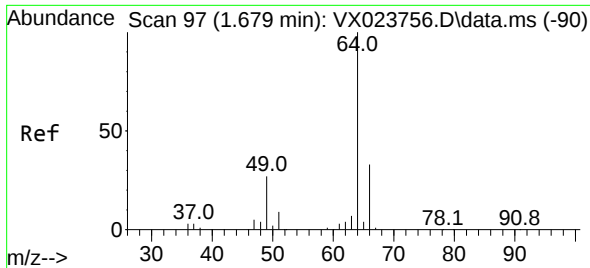
Tgt Ion:168 Resp: 139248
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#5
Bromomethane
Concen: 0.366 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 41.6 76.4 114.6#

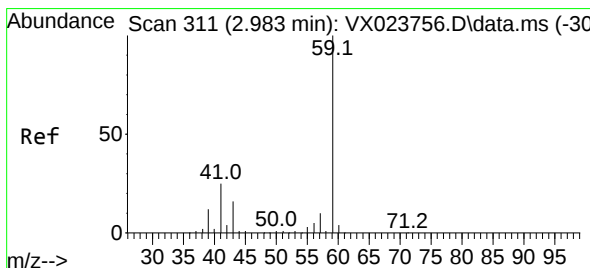
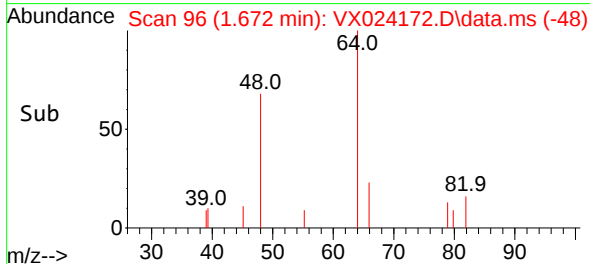
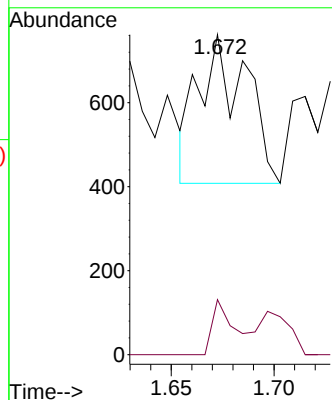
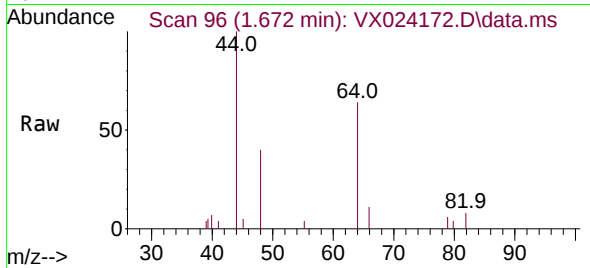




#6
Chloroethane
Concen: 2.628 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

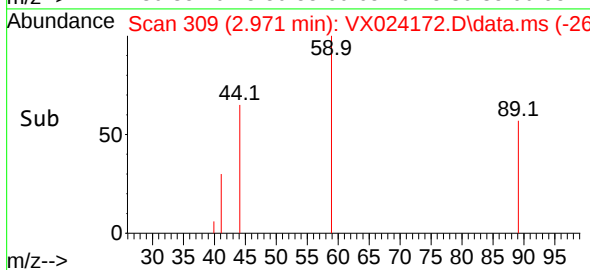
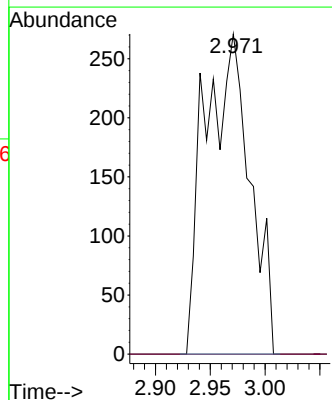
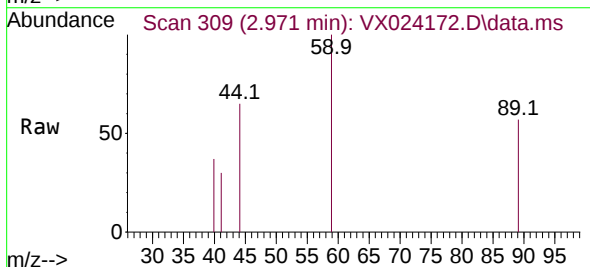
Instrument :
MSVOA_X
ClientSampled :

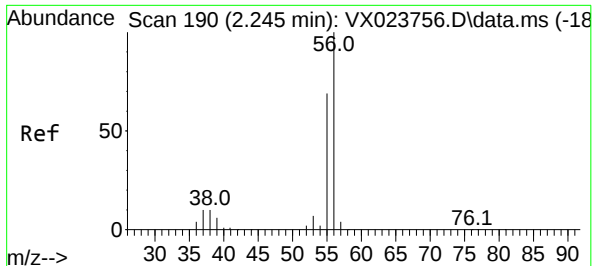
Tgt Ion: 64 Resp: 565
Ion Ratio Lower Upper
64 100
66 37.0 25.4 38.0



#11
Tert butyl alcohol
Concen: 1.962 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 59 Resp: 771
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

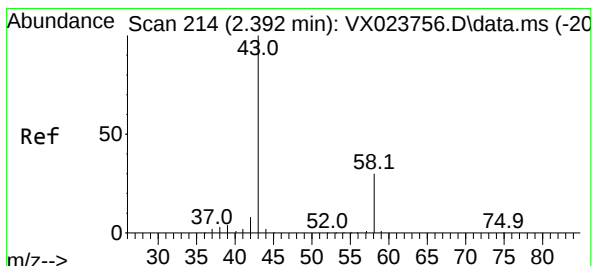
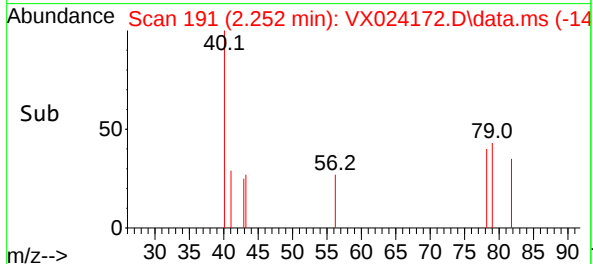
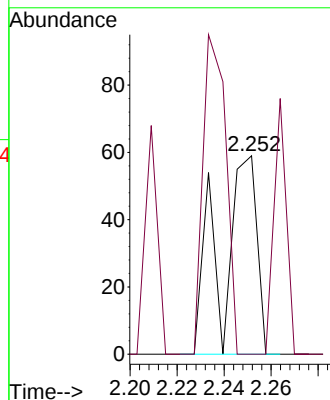
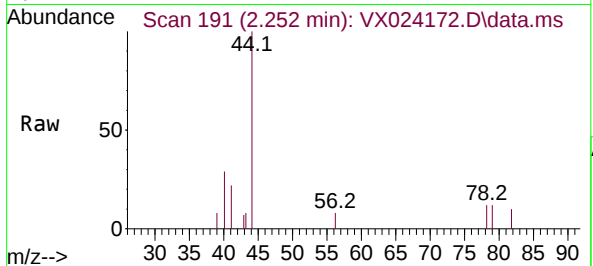




#13
Acrolein
Concen: 0.261 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

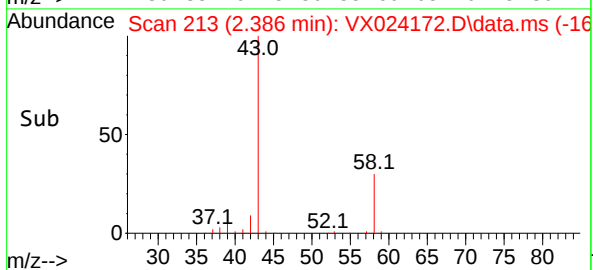
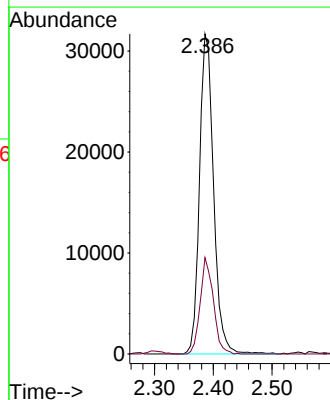
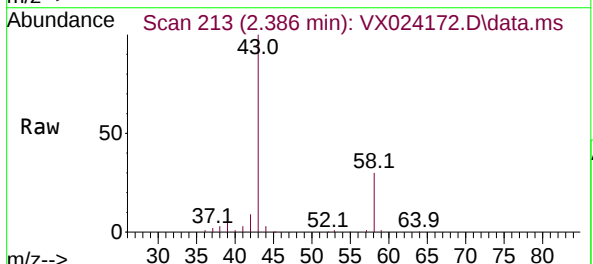
Instrument :
MSVOA_X
ClientSampled :

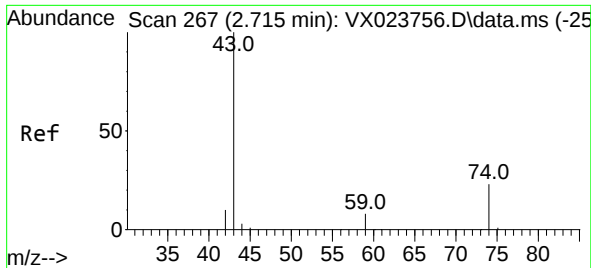
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 45.9 56.4 84.6#



#16
Acetone
Concen: 60.614 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 43 Resp: 52672
Ion Ratio Lower Upper
43 100
58 30.1 27.8 41.8

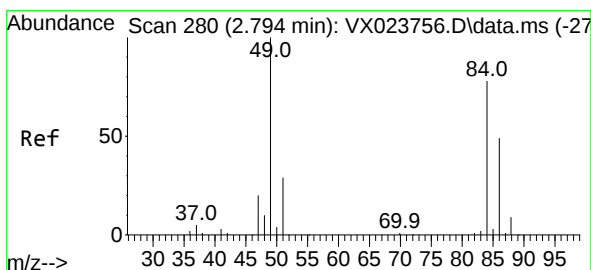
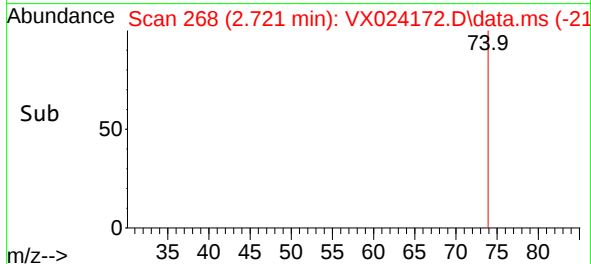
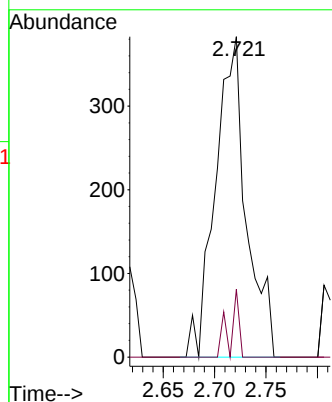
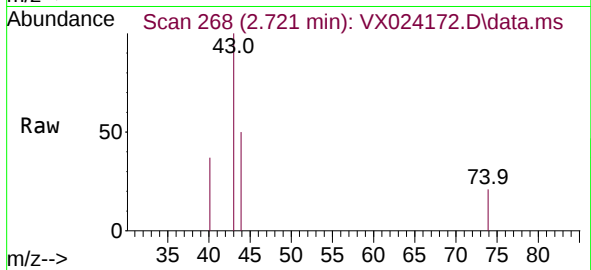




#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

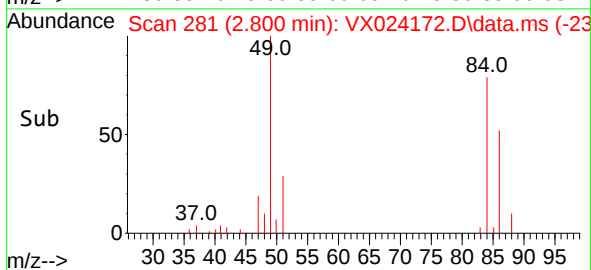
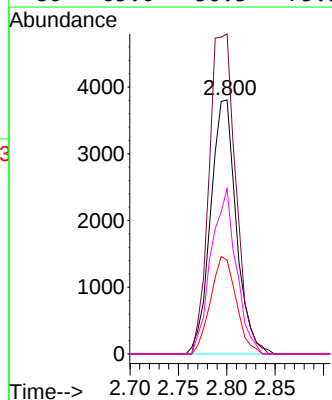
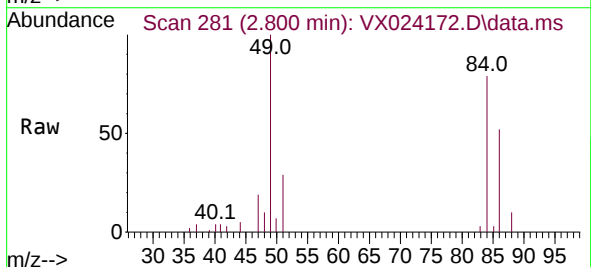
Instrument :
MSVOA_X
ClientSampled :

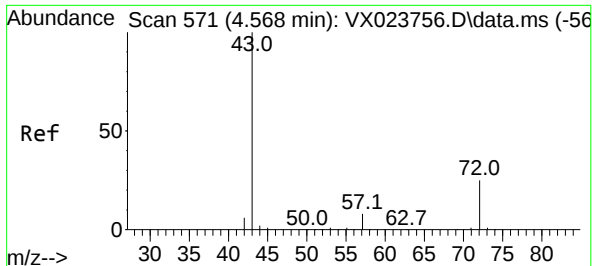
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
74 2.5 21.9 32.9#



#20
Methylene Chloride
Concen: 4.236 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 84 Resp: 7031
Ion Ratio Lower Upper
84 100
49 125.9 88.6 132.8
51 36.9 27.0 40.6
86 65.0 50.3 75.5

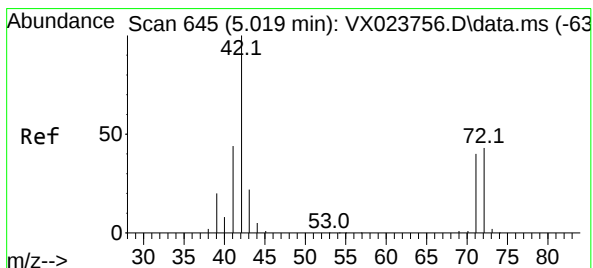
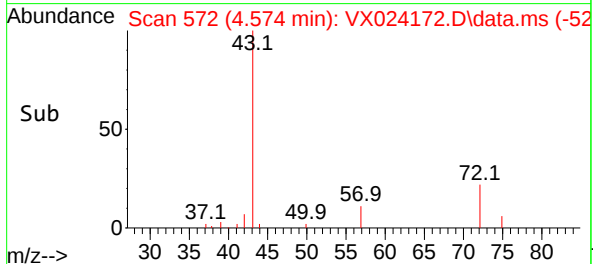
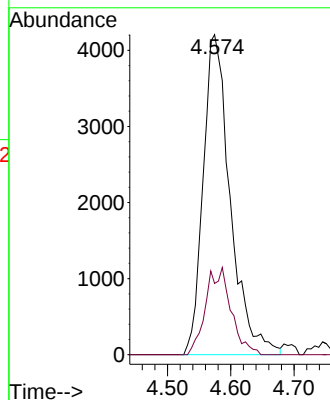
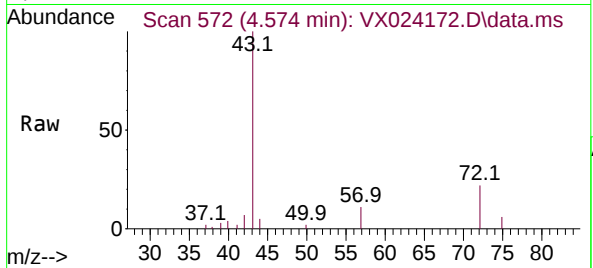




#25
2-Butanone
Concen: 9.519 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

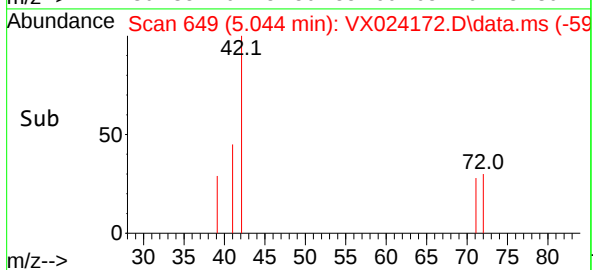
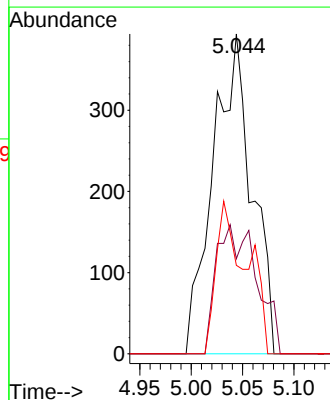
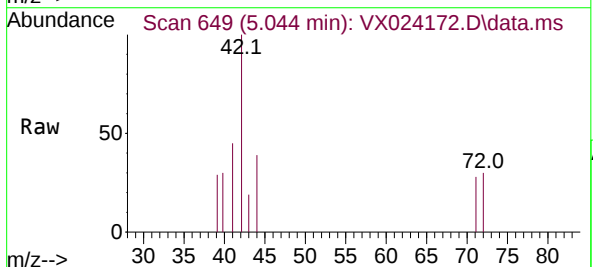
Instrument :
MSVOA_X
ClientSampled :

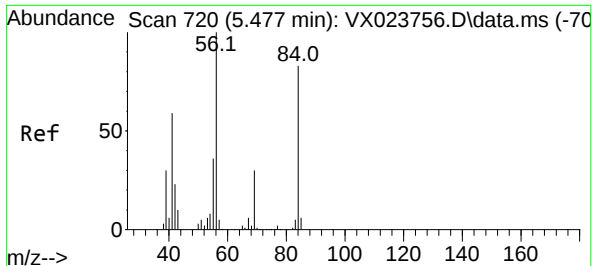
Tgt Ion: 43 Resp: 12529
Ion Ratio Lower Upper
43 100
72 22.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.213 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 42 Resp: 1034
Ion Ratio Lower Upper
42 100
72 42.1 41.7 62.5
71 25.9 38.4 57.6#

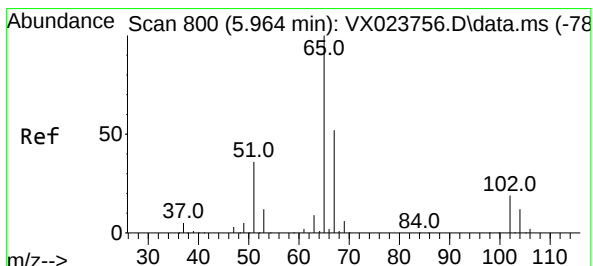
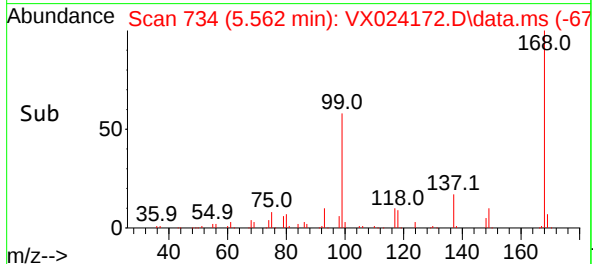
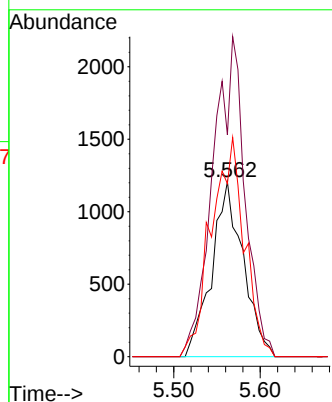
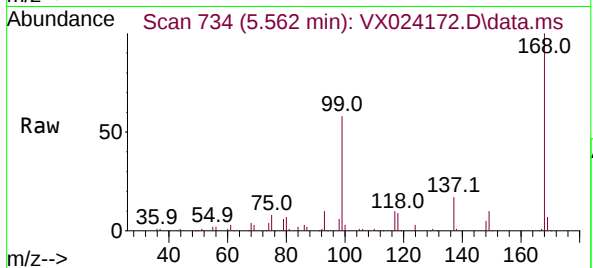




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

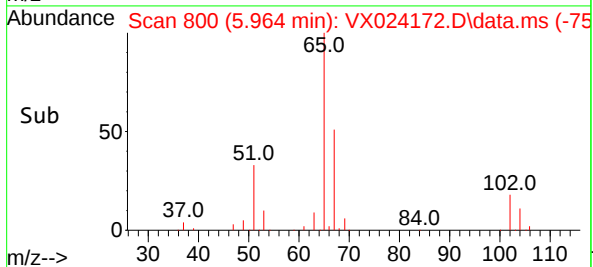
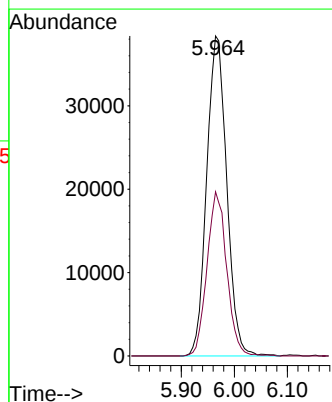
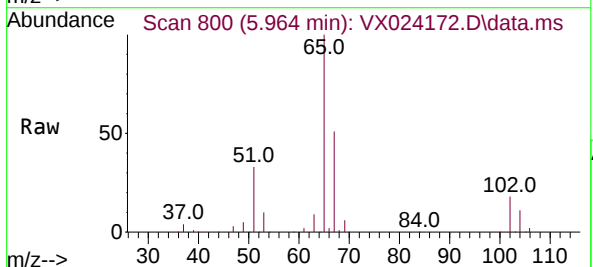
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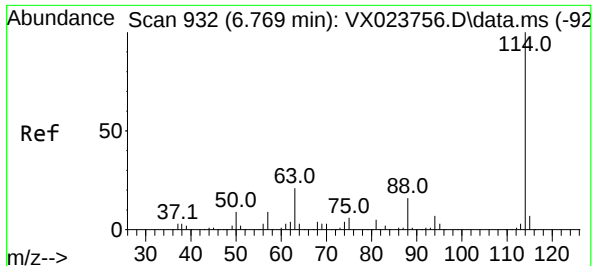
Tgt Ion: 56 Resp: 3038
Ion Ratio Lower Upper
56 100
69 126.7 25.3 37.9#
84 98.8 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.825 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 65 Resp: 100720
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

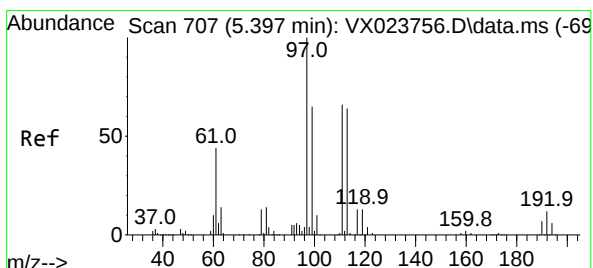
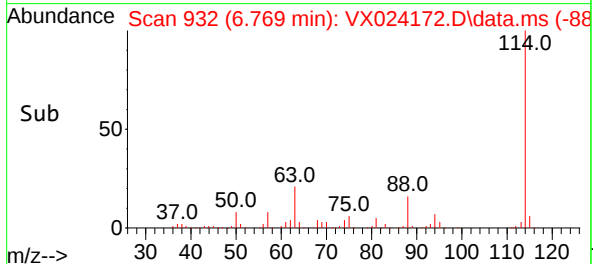
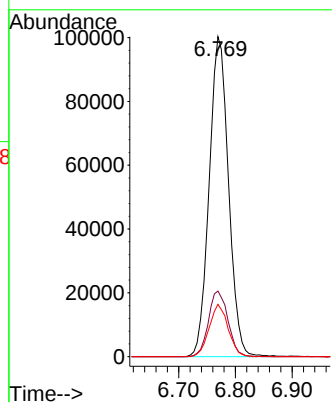
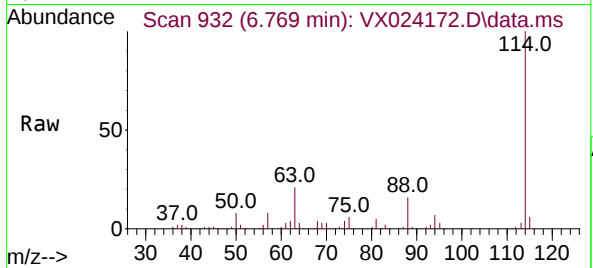




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

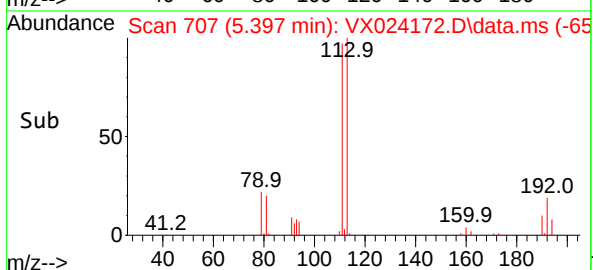
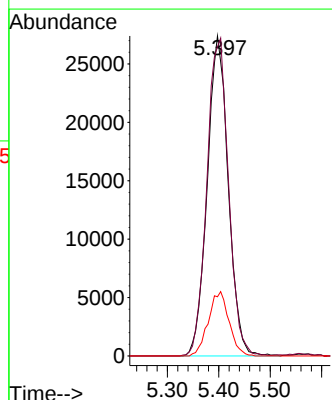
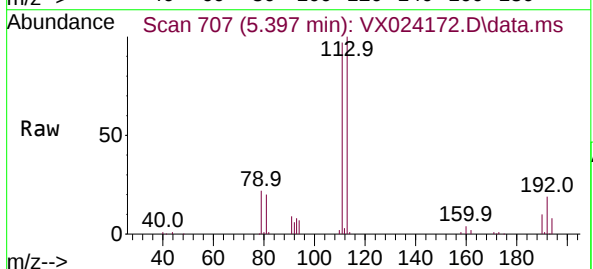
Instrument :
MSVOA_X
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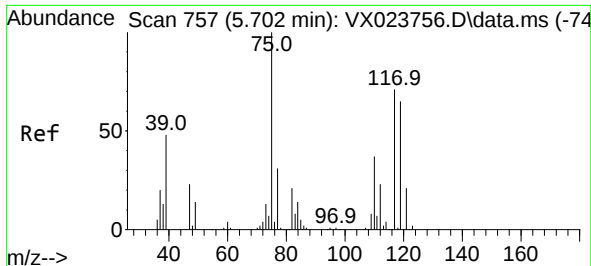
Tgt Ion:114 Resp: 237443
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.604 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion:113 Resp: 77957
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.8 16.7 25.1

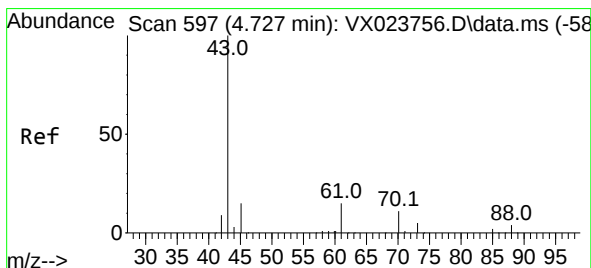
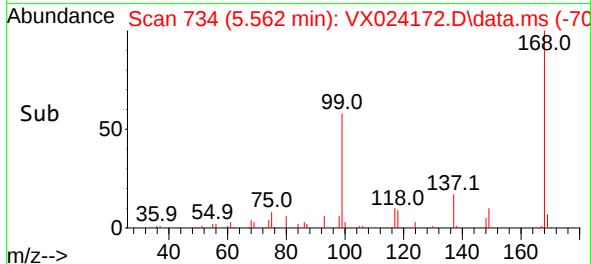
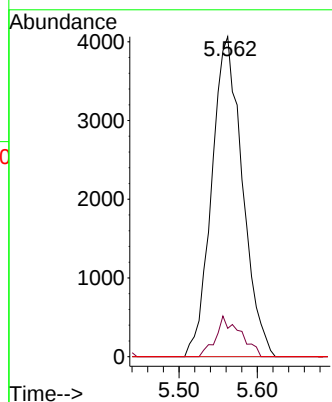
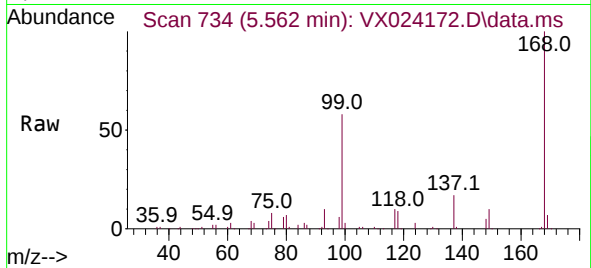




#36
1,1-Dichloropropene
Concen: 5.032 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

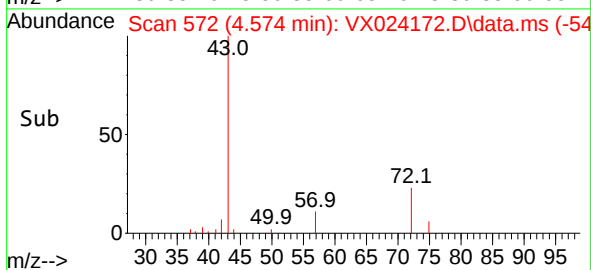
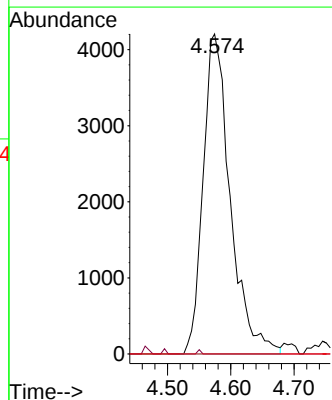
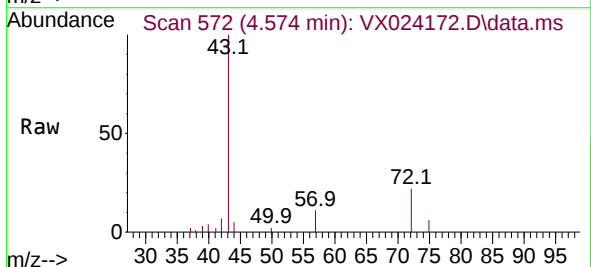
Instrument :
MSVOA_X
ClientSampled :

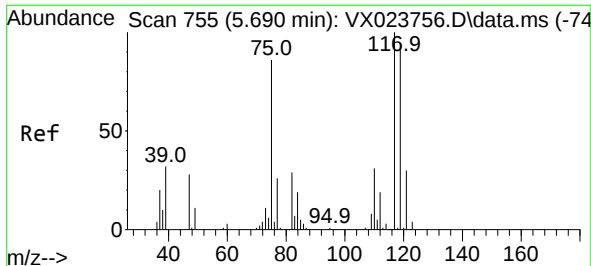
Tgt Ion: 75 Resp: 11065
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.635 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

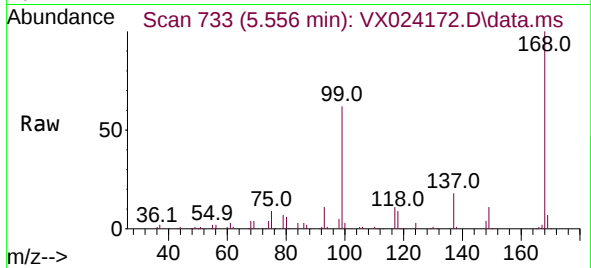
Tgt Ion: 43 Resp: 12529
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



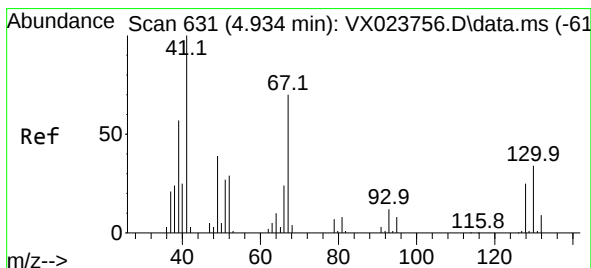
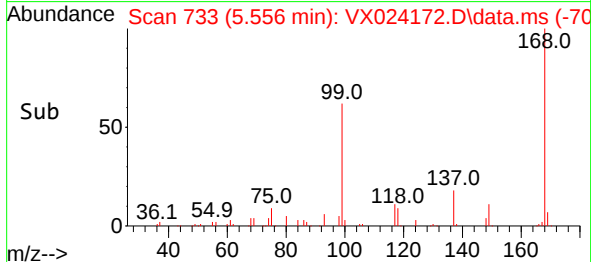
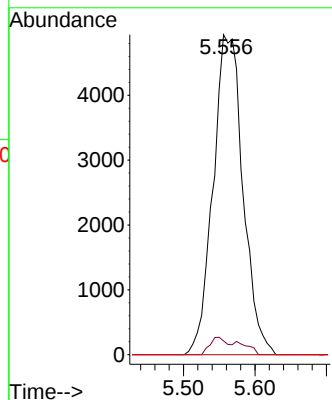


#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Instrument :
MSVOA_X
ClientSampled :

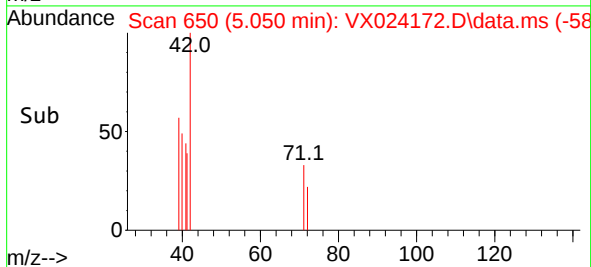
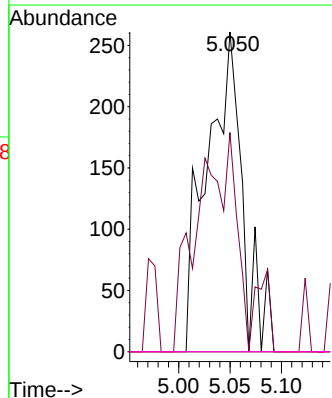
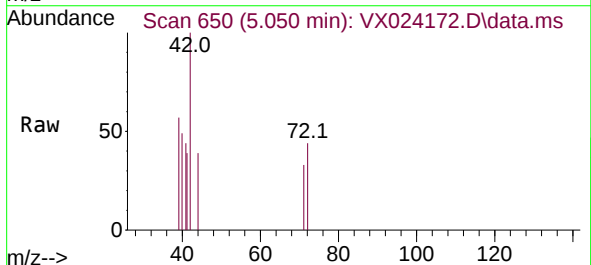


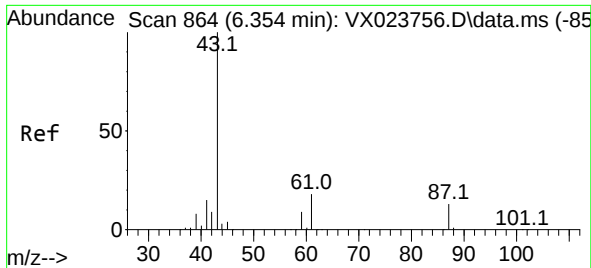
Tgt Ion:117 Resp: 14276
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.430 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.116 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 41 Resp: 630
Ion Ratio Lower Upper
41 100
39 0.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

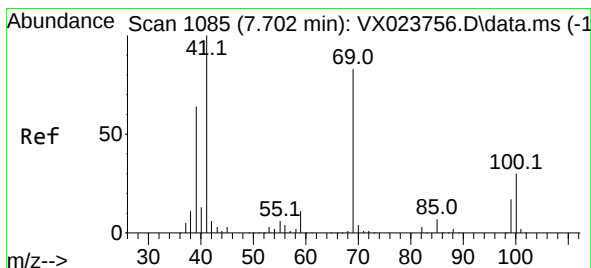
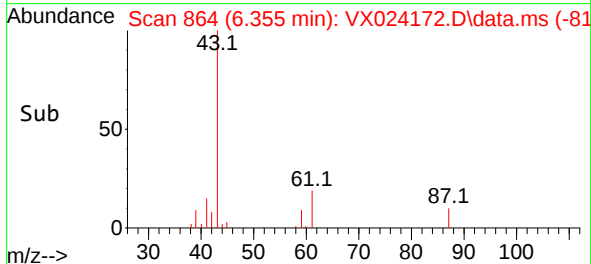
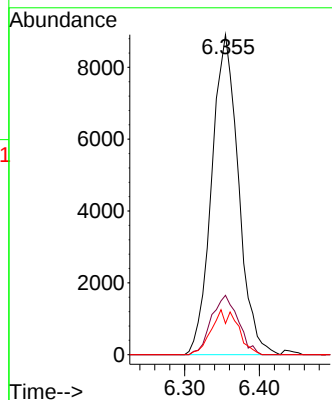
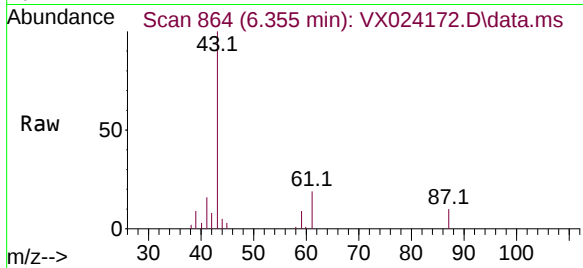




#43
Isopropyl Acetate
Concen: 5.246 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

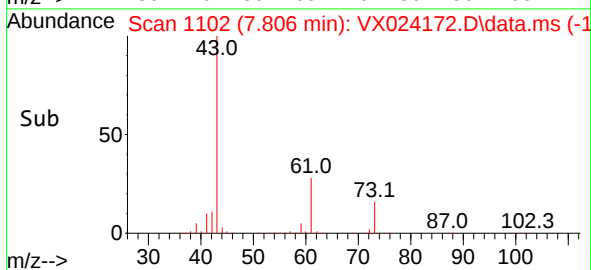
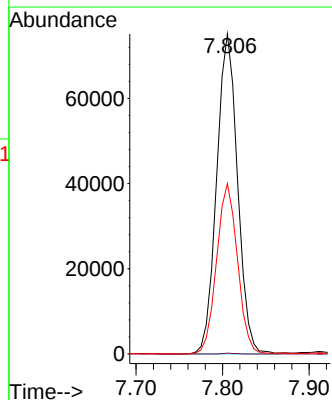
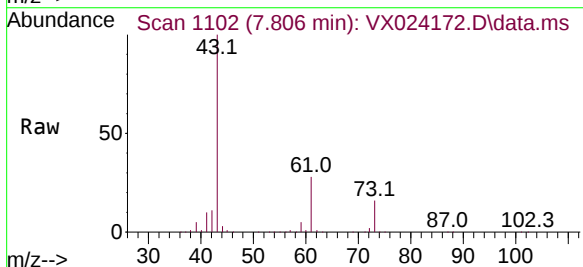
Instrument :
MSVOA_X
ClientSampled :

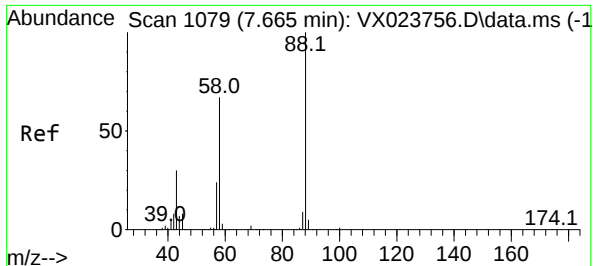
Tgt Ion:	43	Resp:	22181
Ion	Ratio	Lower	Upper
43	100		
61	18.7	18.2	27.4
87	13.9	12.5	18.7



#48
Methyl methacrylate
Concen: 61.085 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion:	41	Resp:	125987
Ion	Ratio	Lower	Upper
41	100		
69	0.1	76.0	114.0#
39	53.3	44.6	67.0

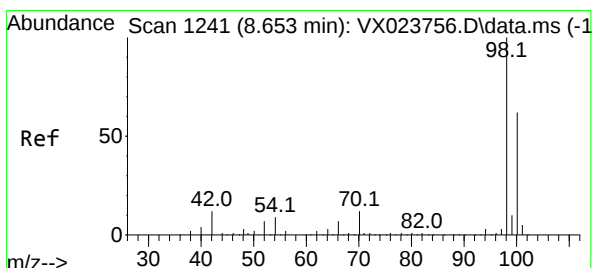
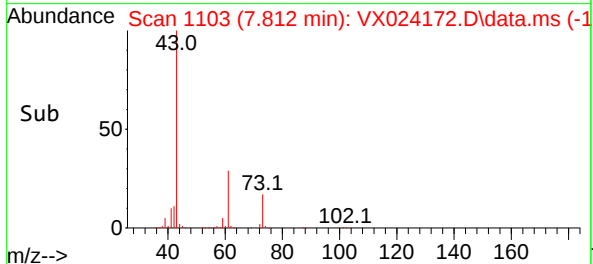
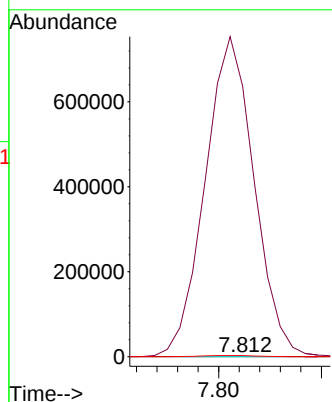
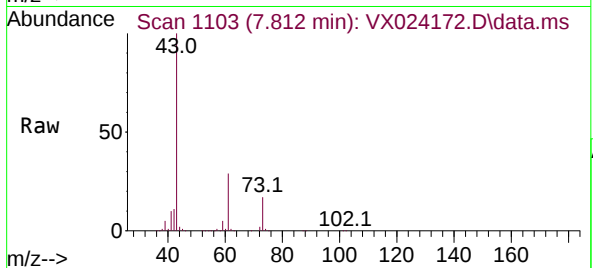




#49
1,4-Dioxane
Concen: 4.405 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

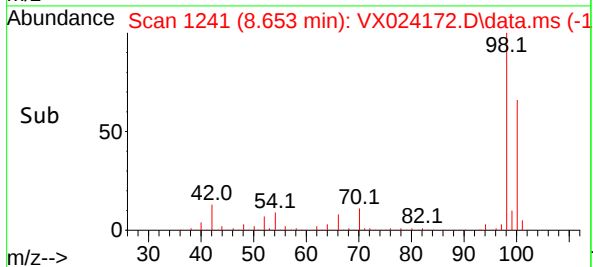
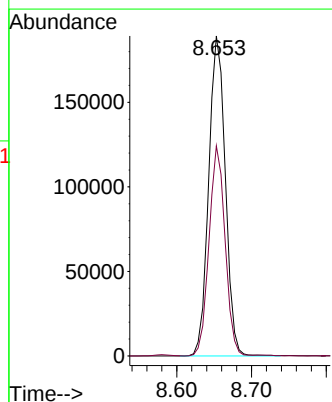
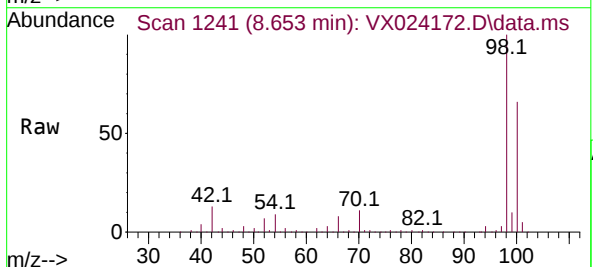
Instrument :
MSVOA_X
ClientSampled :

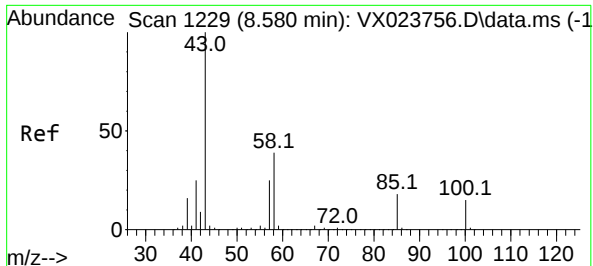
Tgt Ion: 88 Resp: 192
Ion Ratio Lower Upper
88 100
43 654168.2 23.2 34.8#
58 2771.4 55.0 82.4#



#50
Toluene-d8
Concen: 48.975 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 98 Resp: 292943
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

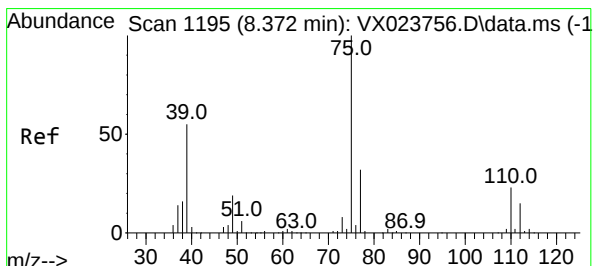
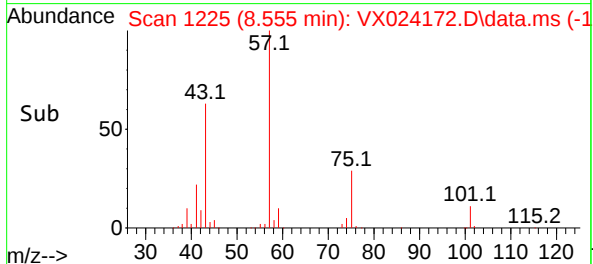
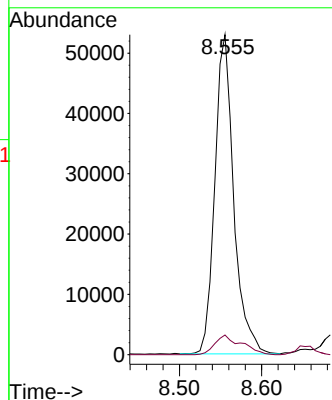
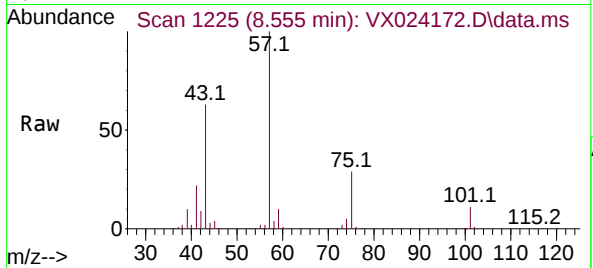




#51
4-Methyl-2-Pentanone
Concen: 30.922 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

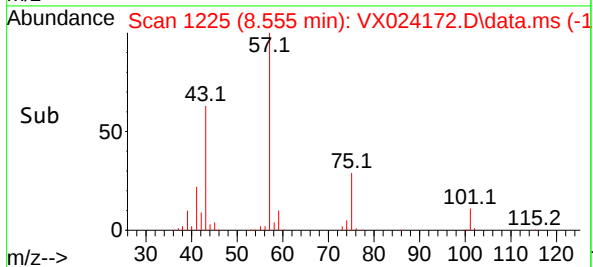
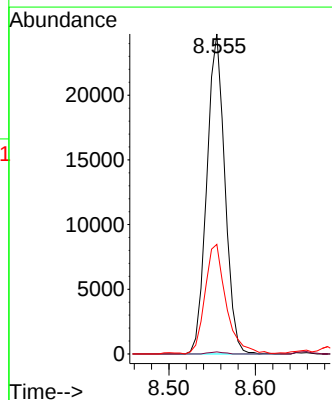
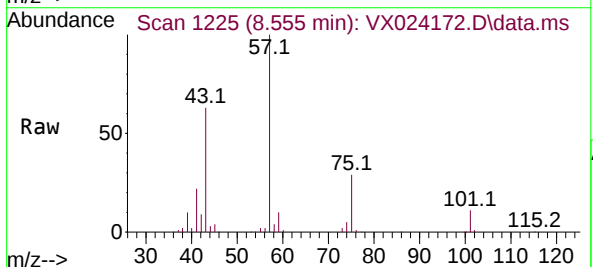
Instrument :
MSVOA_X
ClientSampled :

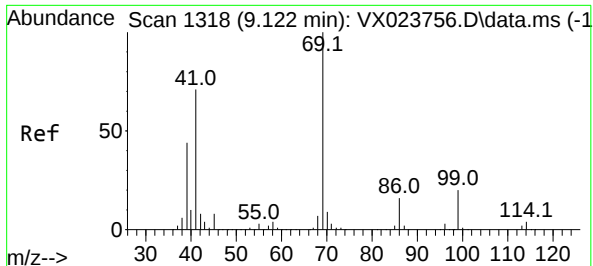
Tgt Ion: 43 Resp: 84510
Ion Ratio Lower Upper
43 100
58 8.7 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.601 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 75 Resp: 35822
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 34.0 35.1 52.7#





#56

Ethyl methacrylate

Concen: 0.815 ug/l

RT: 9.007 min Scan# 1299

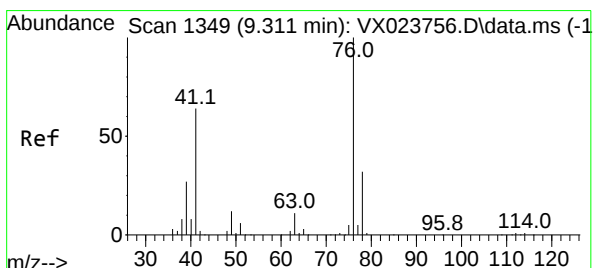
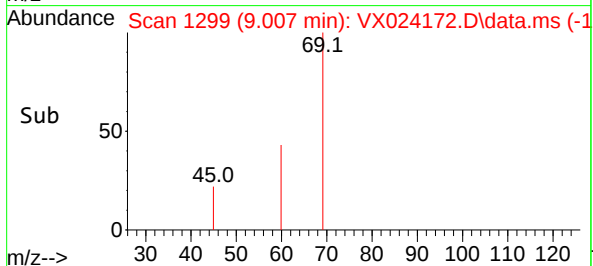
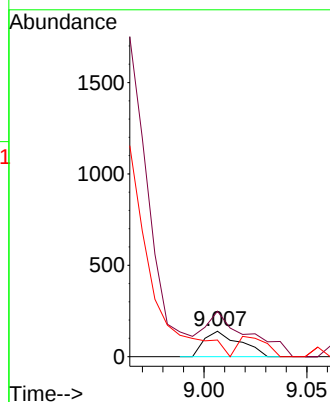
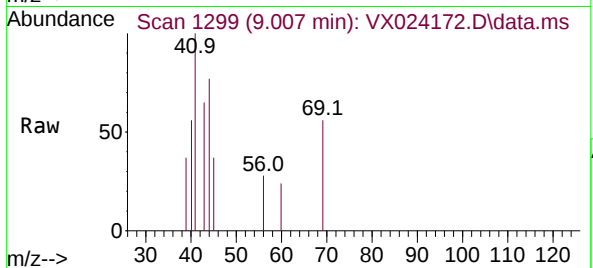
Delta R.T. -0.115 min

Lab File: VX024172.D

Acq: 10 Sep 2021 17:43

Tgt Ion:	69	Resp:	167
Ion	Ratio	Lower	Upper
69	100		
41	0.0	46.8	70.2#
39	0.0	24.7	37.1#

Instrument :
MSVOA_X
ClientSampleId :



#57

1,3-Dichloropropane

Concen: 7.883 ug/l

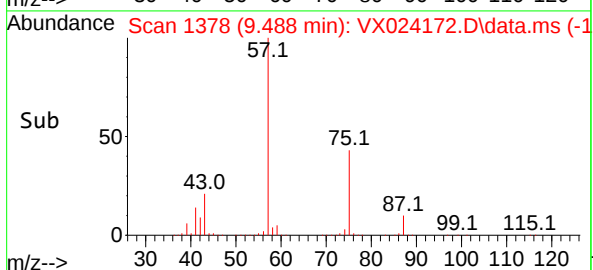
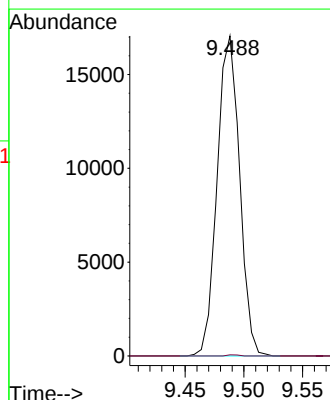
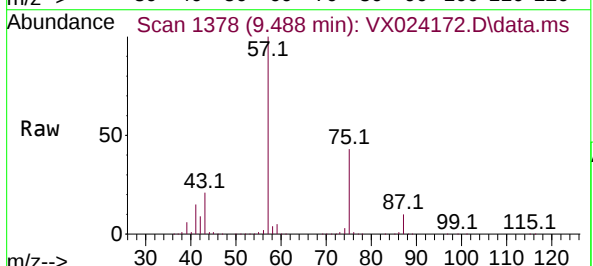
RT: 9.488 min Scan# 1378

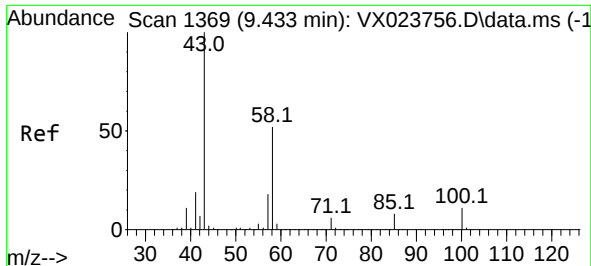
Delta R.T. 0.177 min

Lab File: VX024172.D

Acq: 10 Sep 2021 17:43

Tgt Ion:	76	Resp:	22680
Ion	Ratio	Lower	Upper
76	100		
78	0.2	26.2	39.2#

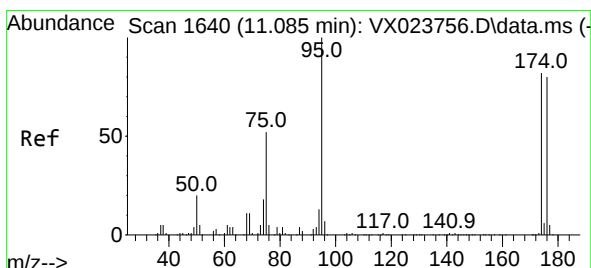
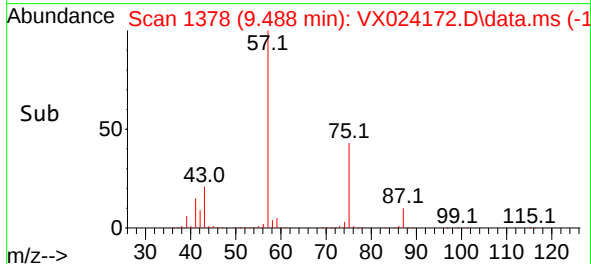
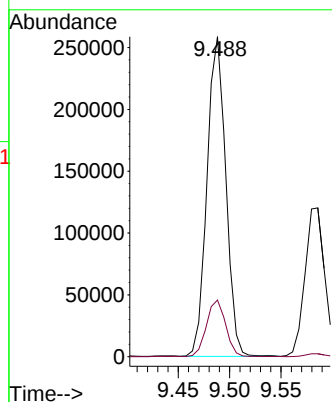
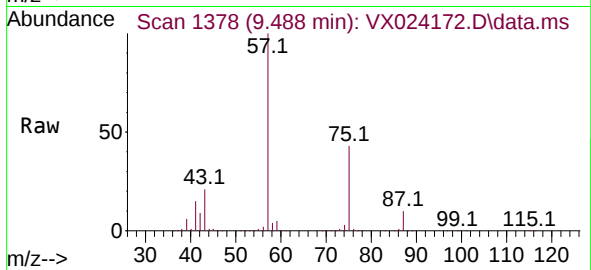




#59
2-Hexanone
Concen: 156.594 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

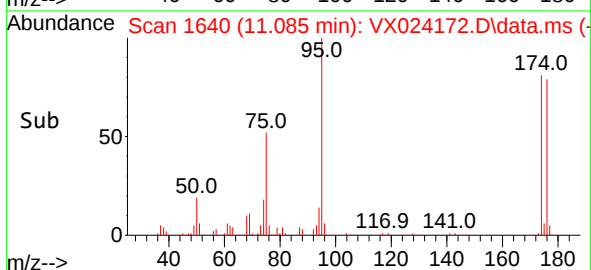
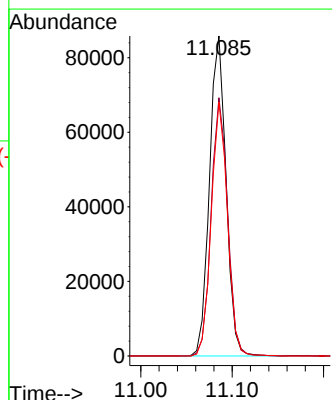
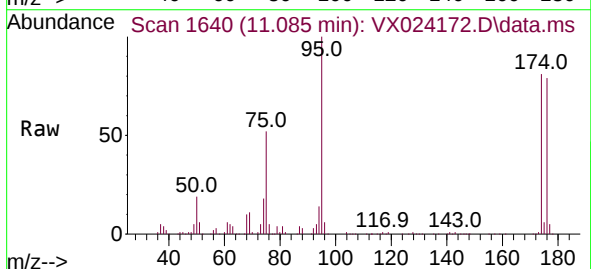
Instrument :
MSVOA_X
ClientSampled :

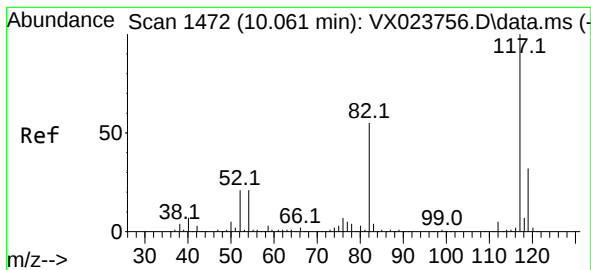
Tgt Ion: 43 Resp: 328969
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.969 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 95 Resp: 107828
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 77.6 0.0 155.8

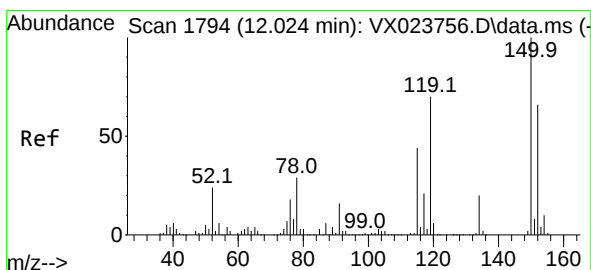
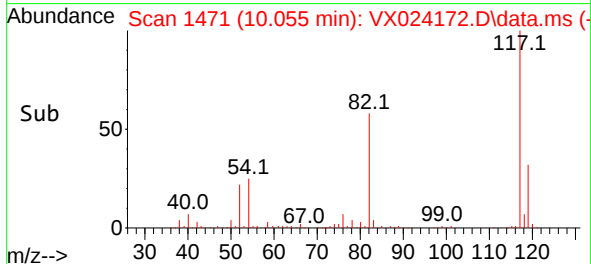
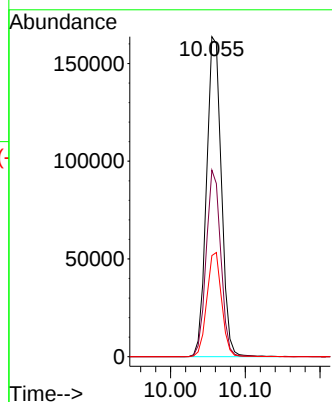
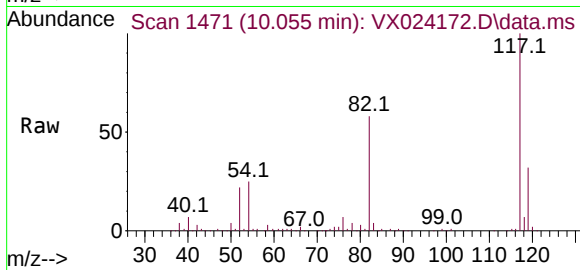




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

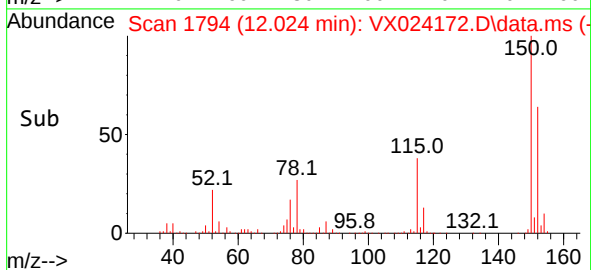
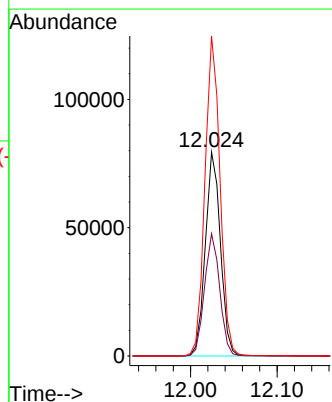
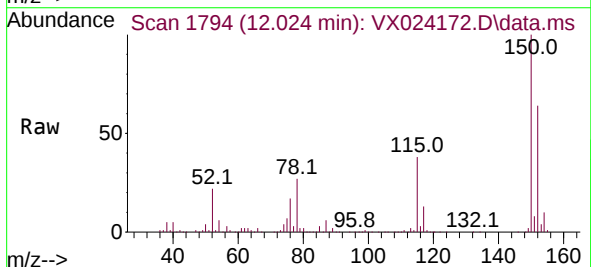
Instrument :
MSVOA_X
ClientSampleId :

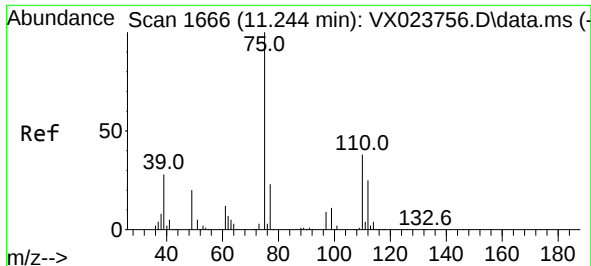
Tgt Ion:117 Resp: 225987
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion:152 Resp: 96269
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 156.6 0.0 349.0

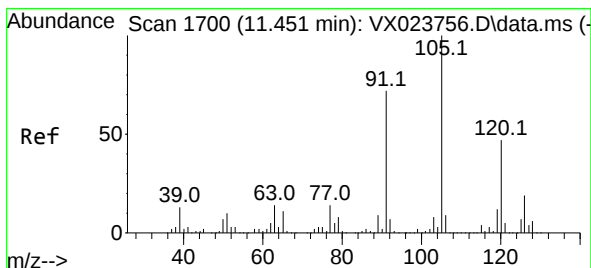
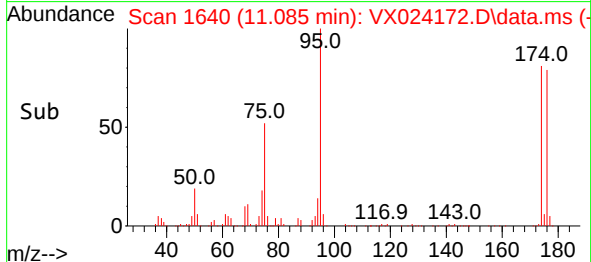
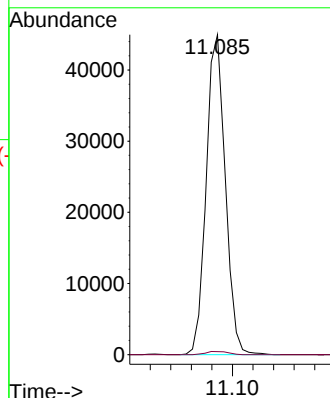
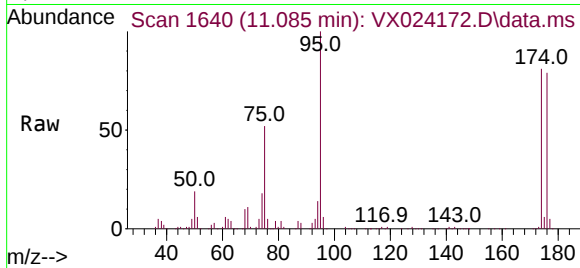




#76
1,2,3-Trichloropropane
Concen: 25.810 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

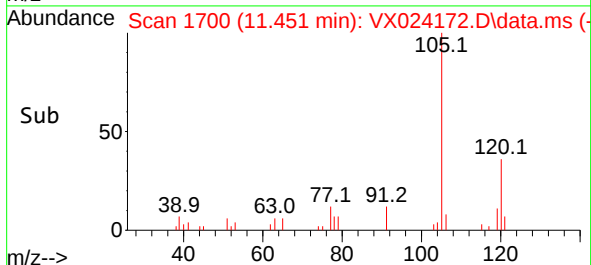
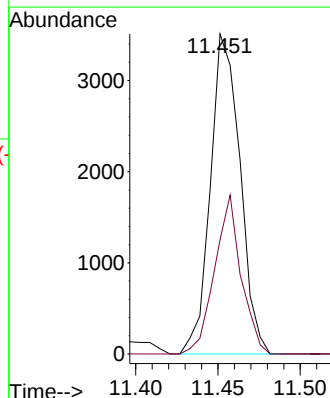
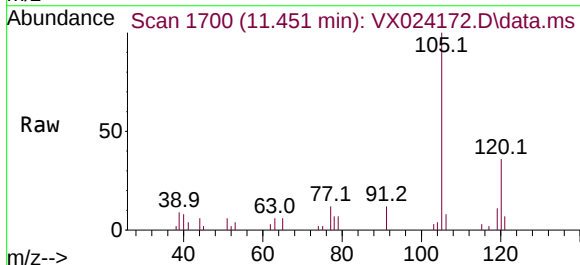
Instrument :
MSVOA_X
ClientSampled :

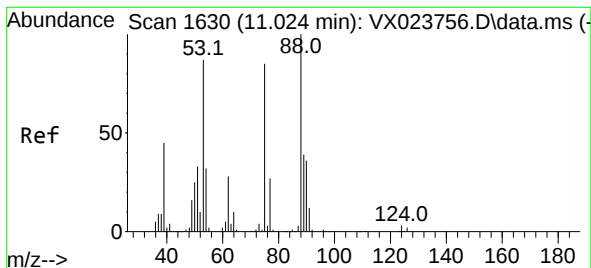
Tgt Ion: 75 Resp: 57961
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.728 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion:105 Resp: 4393
Ion Ratio Lower Upper
105 100
120 44.3 23.8 71.5

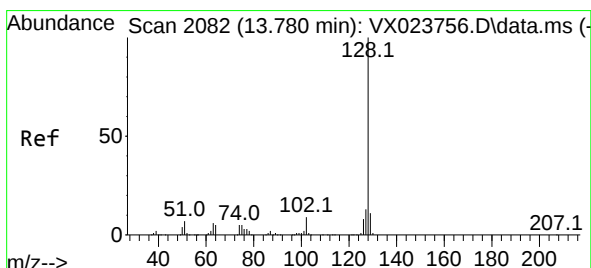
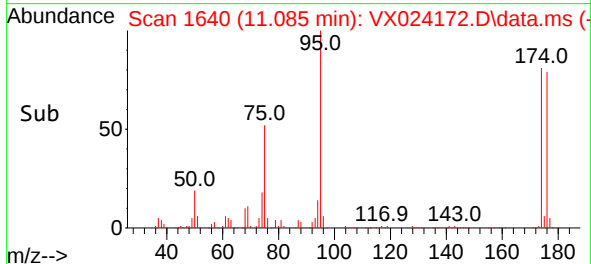
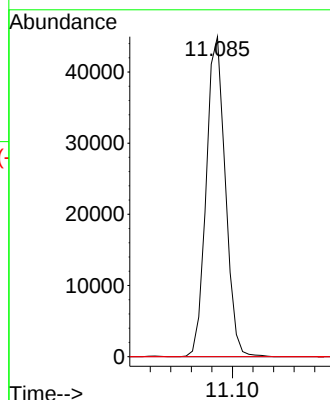
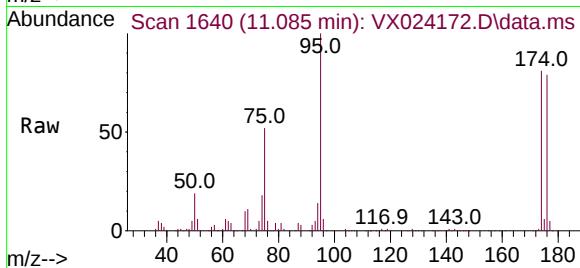




#81
trans-1,4-Dichloro-2-butene
Concen: 75.920 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 57961
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.309 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024172.D
Acq: 10 Sep 2021 17:43

Tgt Ion: 128 Resp: 194
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

