

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071421\
 Data File : VX023278.D
 Acq On : 14 Jul 2021 14:48
 Operator : JC/MD
 Sample : PB137668ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:27:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

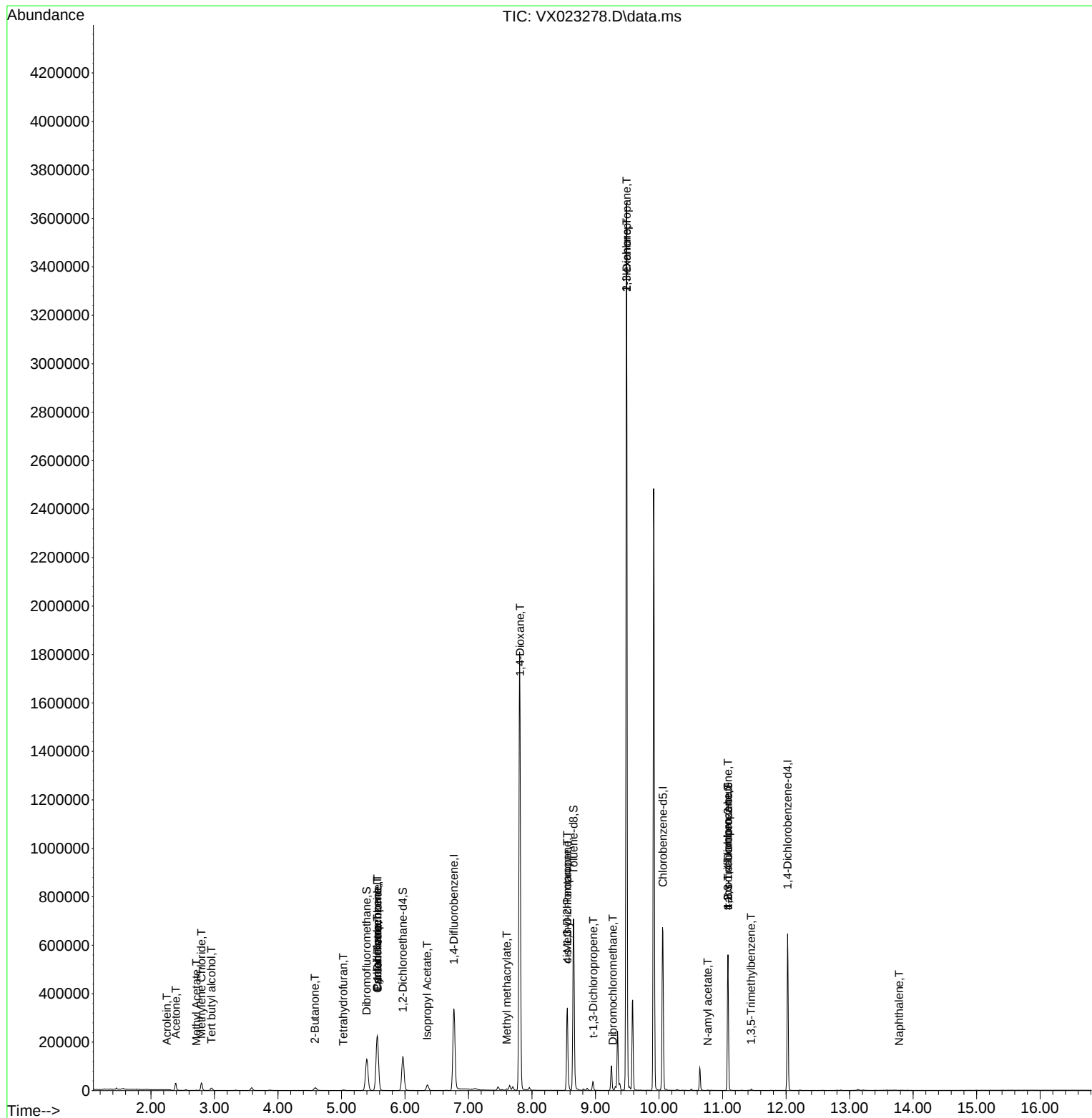
Internal Standards						
1) Pentafluorobenzene	5.562	168	211546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	344060	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	313138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143656	50.527	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.060%			
35) Dibromofluoromethane	5.397	113	111379	50.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.260%			
50) Toluene-d8	8.653	98	414211	49.978	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.085	95	146374	45.748	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.500%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	630	Below Cal	#	46
11) Tert butyl alcohol	2.953	59	6109	10.213	ug/l #	78
13) Acrolein	2.252	56	201	0.505	ug/l #	32
16) Acetone	2.392	43	31251	27.782	ug/l	88
18) Methyl Acetate	2.715	43	1970	0.721	ug/l	96
20) Methylene Chloride	2.794	84	13978	5.772	ug/l	90
25) 2-Butanone	4.580	43	6609	3.896	ug/l #	78
29) Tetrahydrofuran	5.026	42	2371	2.175	ug/l #	84
31) Cyclohexane	5.562	56	4681	1.375	ug/l #	14
36) 1,1-Dichloropropene	5.562	75	16775	5.469	ug/l #	50
38) Carbon Tetrachloride	5.568	117	21384	6.679	ug/l #	15
43) Isopropyl Acetate	6.348	43	31767	5.708	ug/l	95
48) Methyl methacrylate	7.604	41	7794	2.854	ug/l #	10
49) 1,4-Dioxane	7.812	88	253	4.116	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	118027	34.223	ug/l #	45
53) t-1,3-Dichloropropene	8.964	75	84	2.757	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	53230	14.935	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	31125	7.781	ug/l #	43
59) 2-Hexanone	9.488	43	417890	157.926	ug/l #	44
60) Dibromochloromethane	9.275	129	23	3.121	ug/l #	11
74) N-amyl acetate	10.768	43	952	0.249	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	74129	28.857	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2721	0.351	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	74129	77.664	ug/l #	12
95) Naphthalene	13.780	128	334	1.310	ug/l #	80

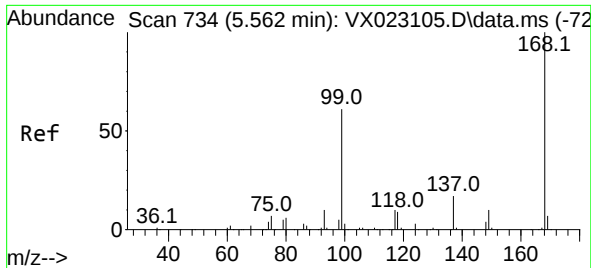
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

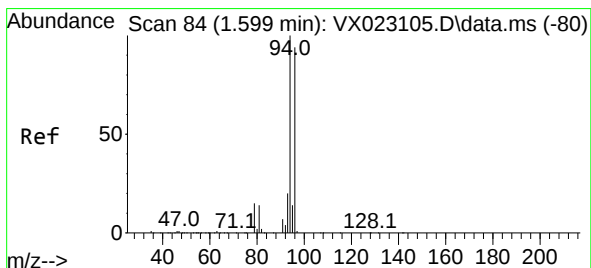
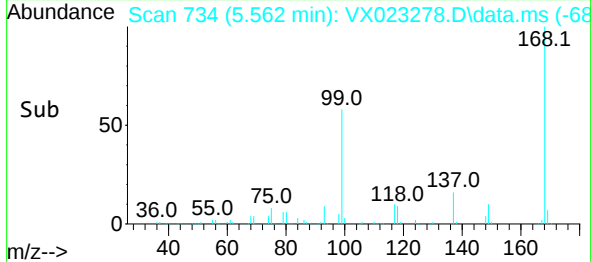
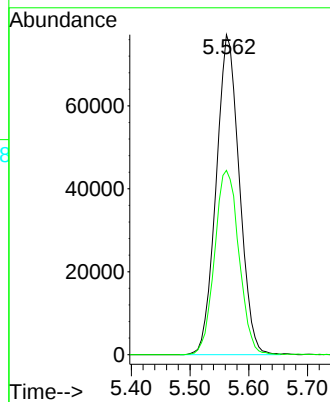
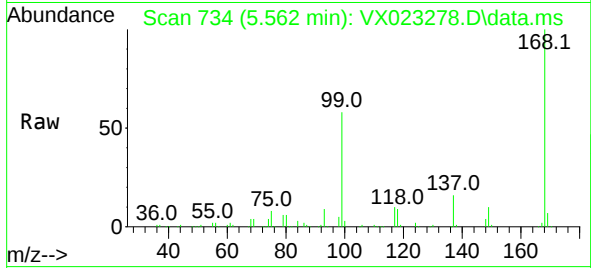




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

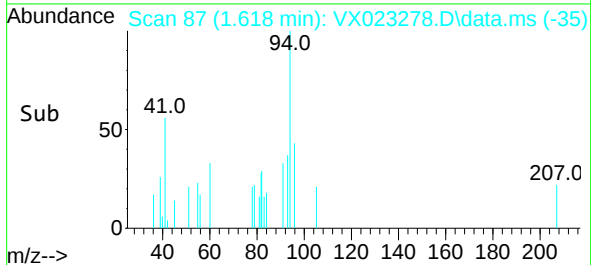
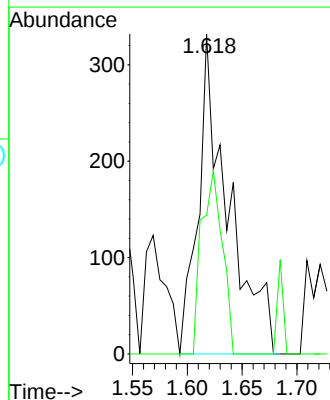
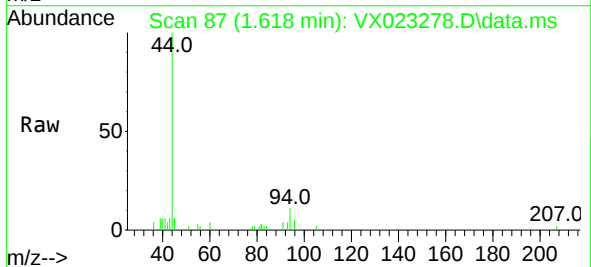
Instrument :
MSVOA_X
ClientSampleId :

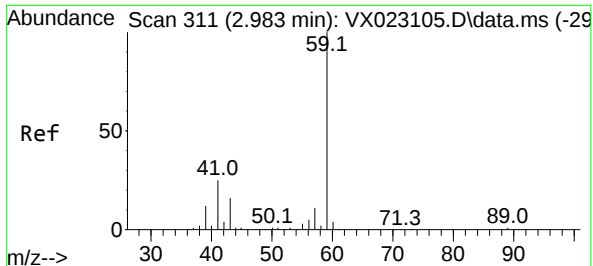
Tgt Ion:168 Resp: 211546
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 43.4 76.4 114.6#



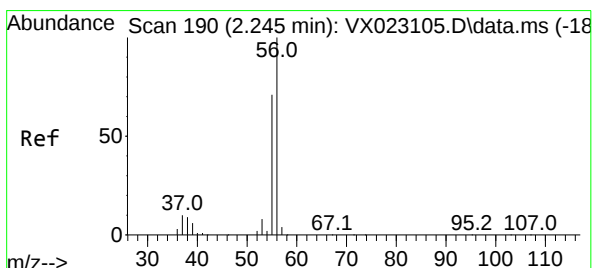
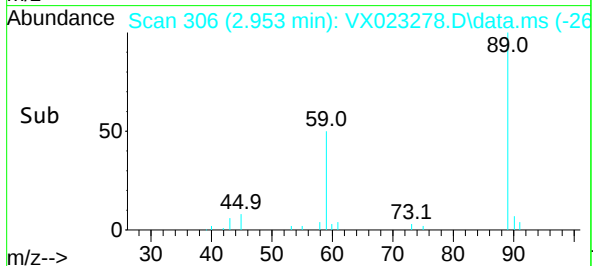
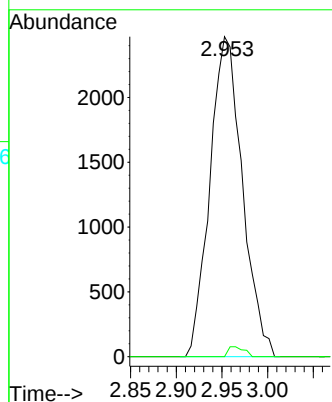
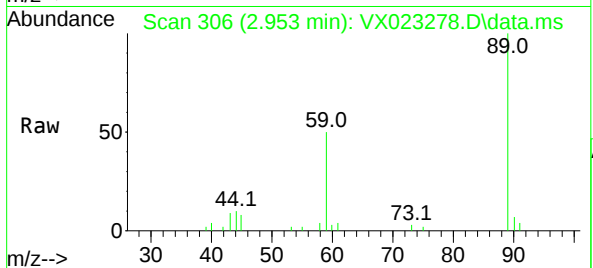


#11

Tert butyl alcohol
Concen: 10.213 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Instrument :
MSVOA_X
ClientSampled :

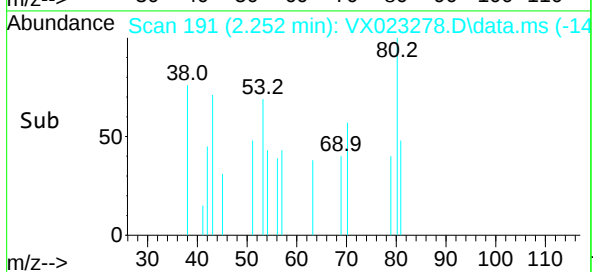
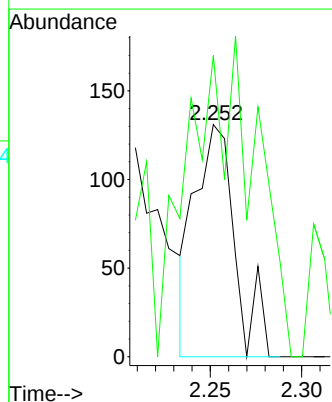
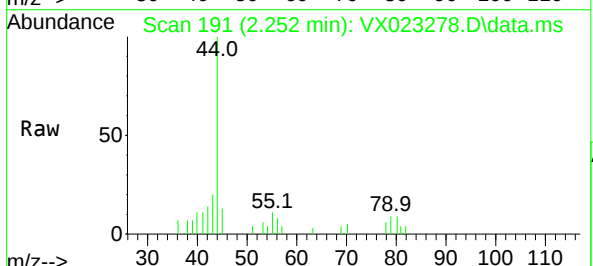
Tgt Ion: 59 Resp: 6109
Ion Ratio Lower Upper
59 100
57 1.5 7.8 11.8#

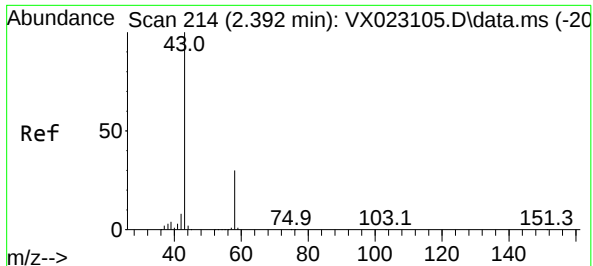


#13

Acrolein
Concen: 0.505 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 126.9 56.4 84.6#

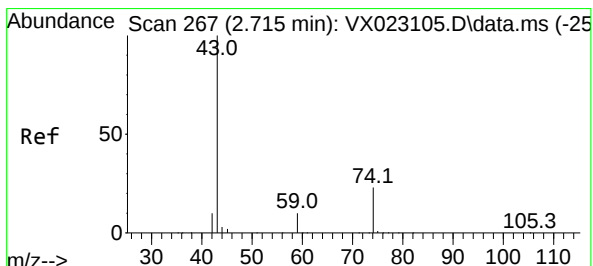
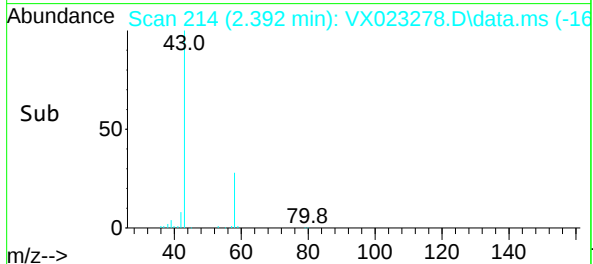
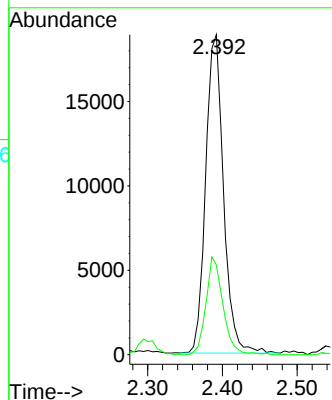
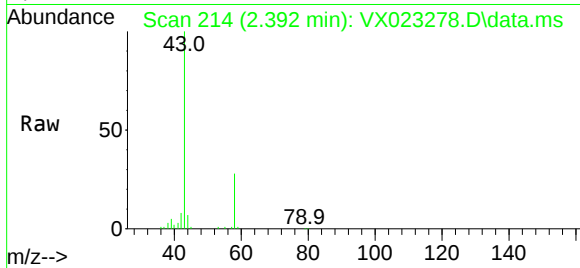




#16
Acetone
Concen: 27.782 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

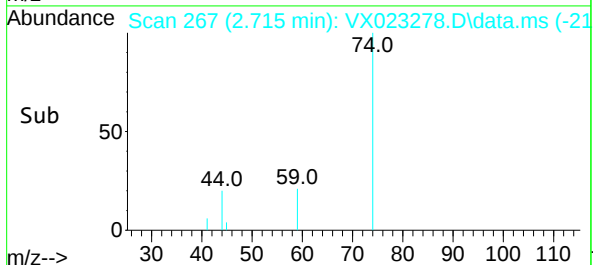
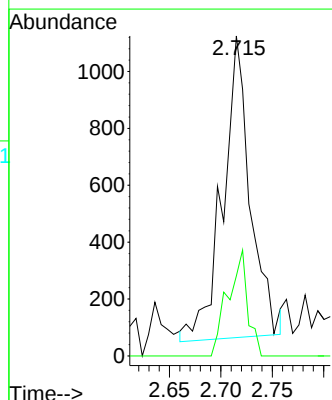
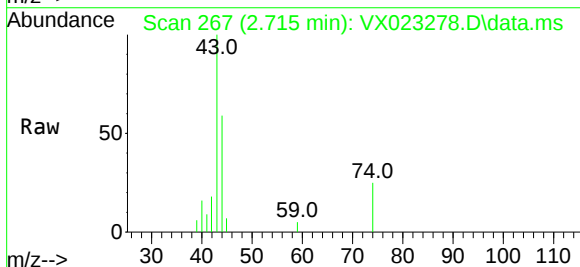
Instrument :
MSVOA_X
ClientSampled :

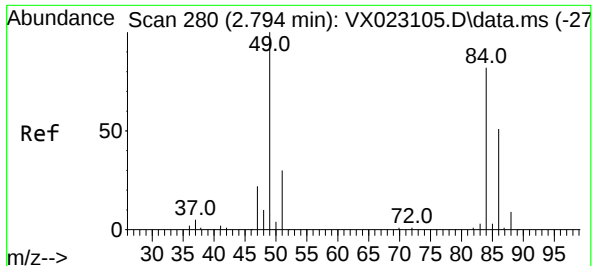
Tgt Ion: 43 Resp: 31251
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#18
Methyl Acetate
Concen: 0.721 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 25.1 21.9 32.9





#20

Methylene Chloride

Concen: 5.772 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023278.D

Acq: 14 Jul 2021 14:48

Tgt Ion: 84 Resp: 13978

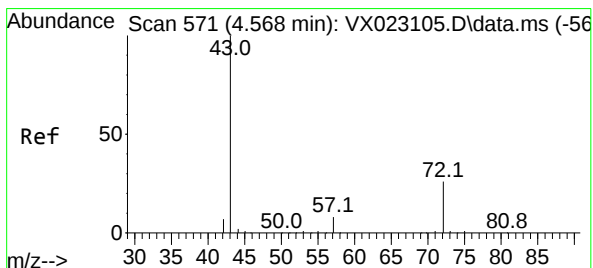
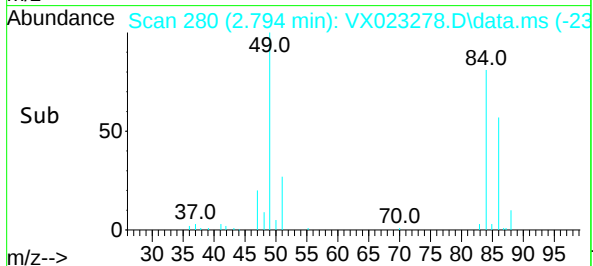
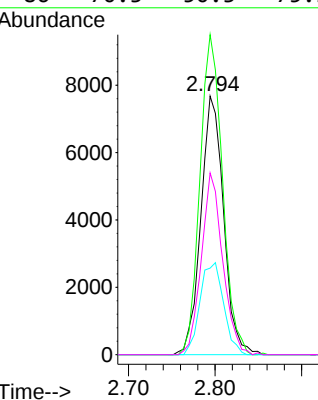
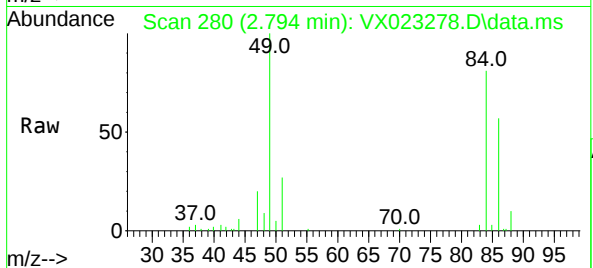
Ion Ratio Lower Upper

84 100

49 123.8 88.6 132.8

51 33.5 27.0 40.6

86 70.3 50.3 75.5



#25

2-Butanone

Concen: 3.896 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023278.D

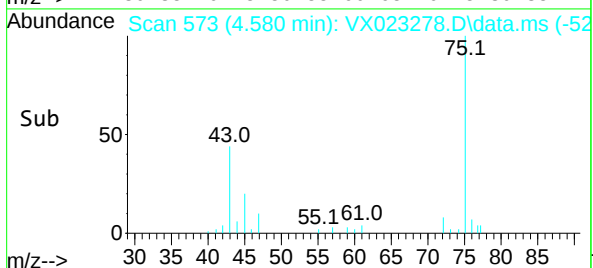
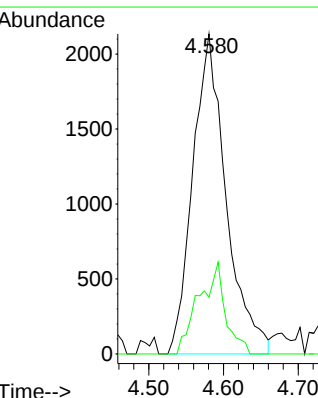
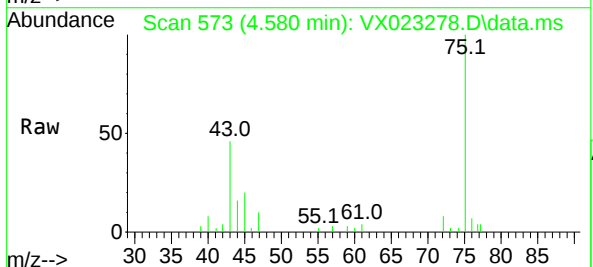
Acq: 14 Jul 2021 14:48

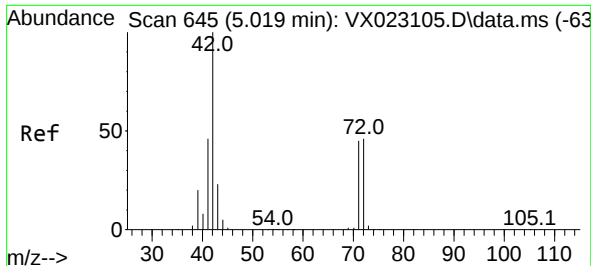
Tgt Ion: 43 Resp: 6609

Ion Ratio Lower Upper

43 100

72 17.8 23.7 35.5#





#29

Tetrahydrofuran

Concen: 2.175 ug/l

RT: 5.026 min Scan# 646

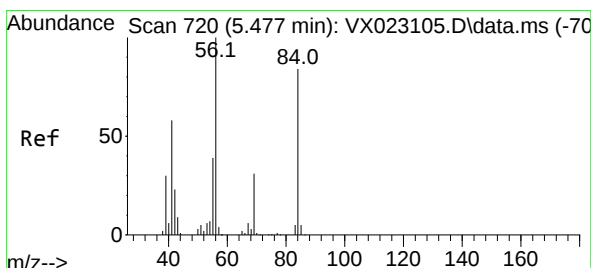
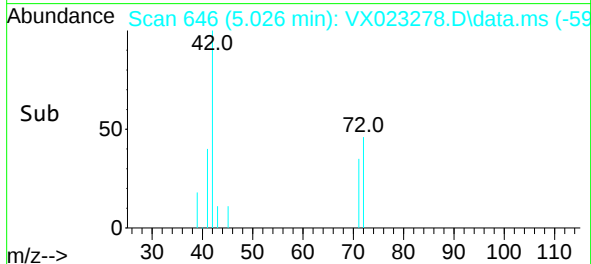
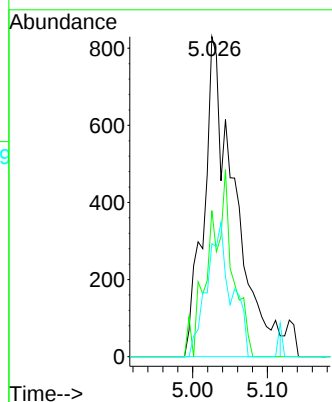
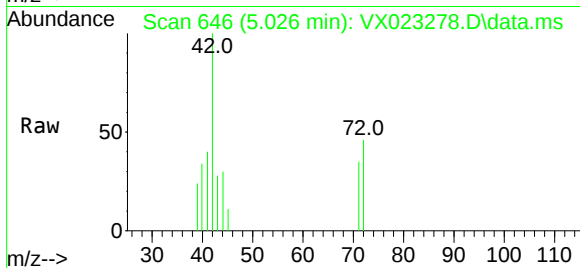
Delta R.T. 0.007 min

Lab File: VX023278.D

Acq: 14 Jul 2021 14:48

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	42	Resp:	2371
Ion	Ratio	Lower	Upper
42	100		
72	44.5	41.7	62.5
71	33.6	38.4	57.6#



#31

Cyclohexane

Concen: 1.375 ug/l

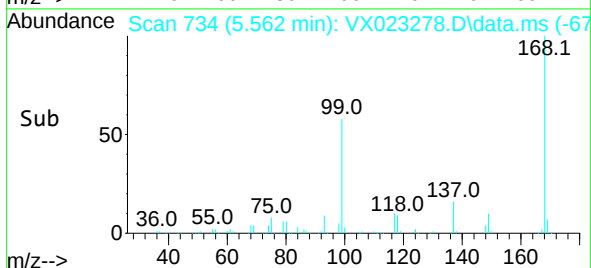
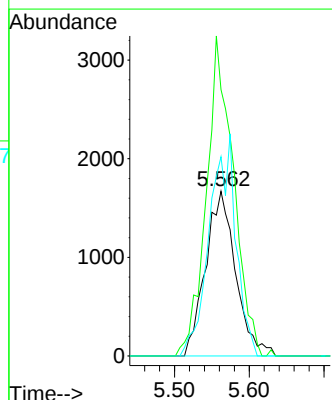
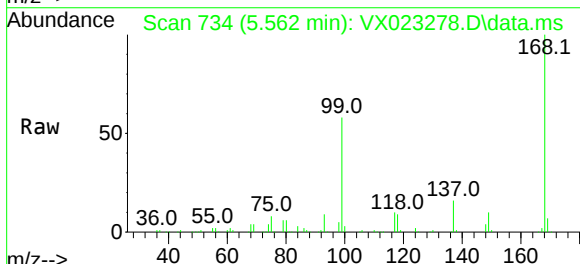
RT: 5.562 min Scan# 734

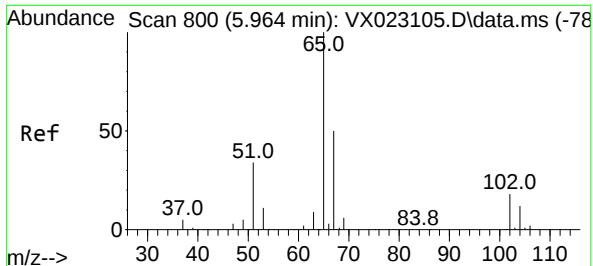
Delta R.T. 0.085 min

Lab File: VX023278.D

Acq: 14 Jul 2021 14:48

Tgt Ion:	56	Resp:	4681
Ion	Ratio	Lower	Upper
56	100		
69	161.8	25.3	37.9#
84	121.0	71.4	107.0#

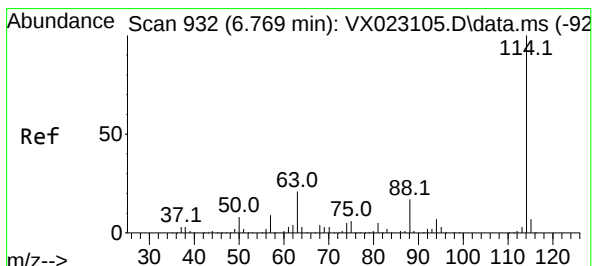
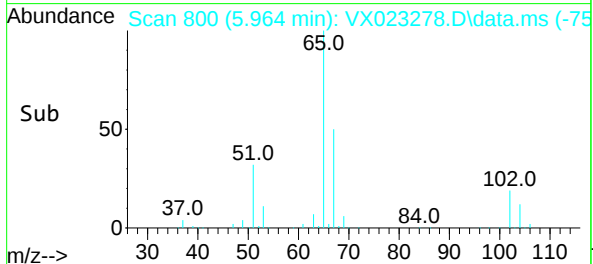
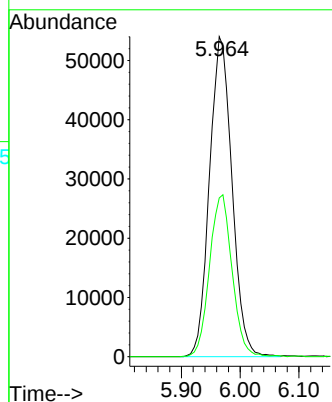
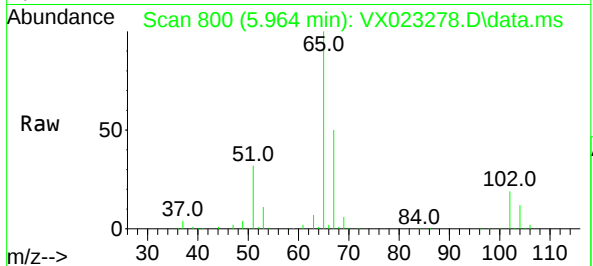




#33
 1,2-Dichloroethane-d4
 Concen: 50.527 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023278.D
 Acq: 14 Jul 2021 14:48

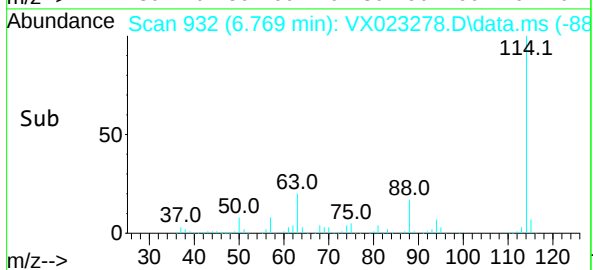
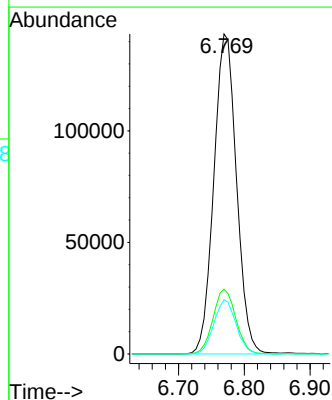
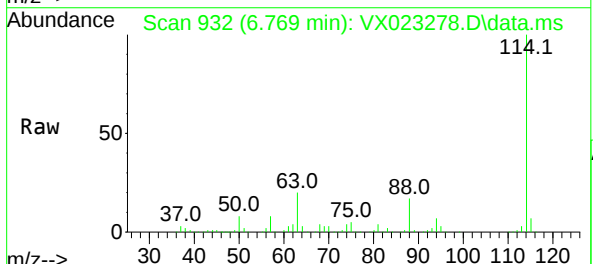
Instrument :
 MSVOA_X
 ClientSampled :

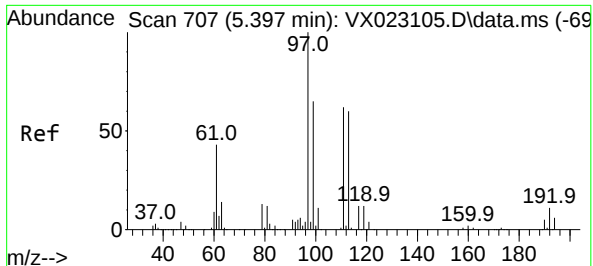
Tgt Ion: 65 Resp: 143656
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023278.D
 Acq: 14 Jul 2021 14:48

Tgt Ion: 114 Resp: 344060
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 17.0 0.0 32.8

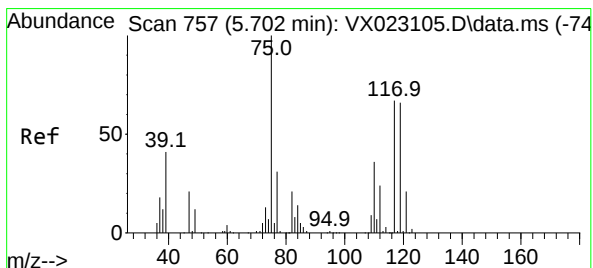
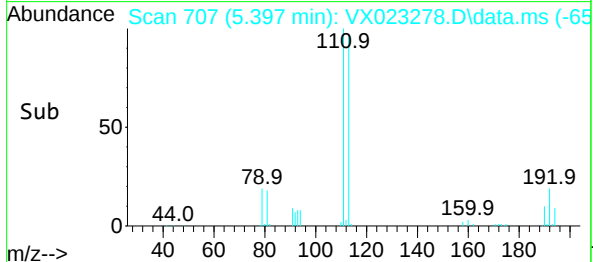
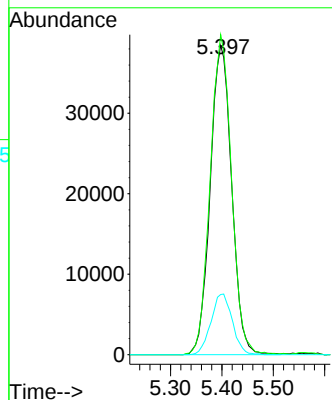
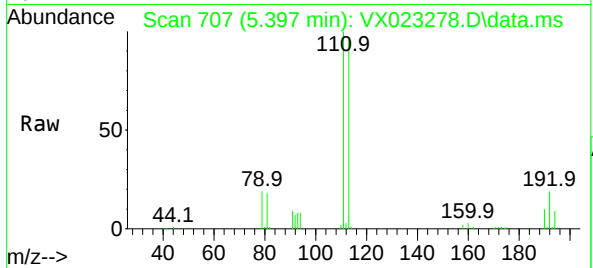




#35
Dibromofluoromethane
Concen: 50.130 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

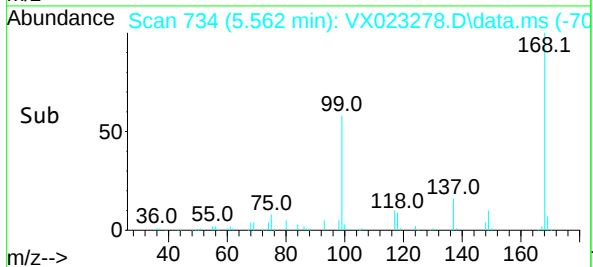
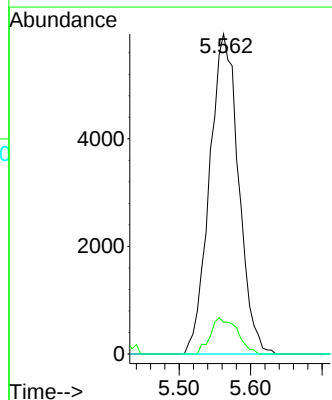
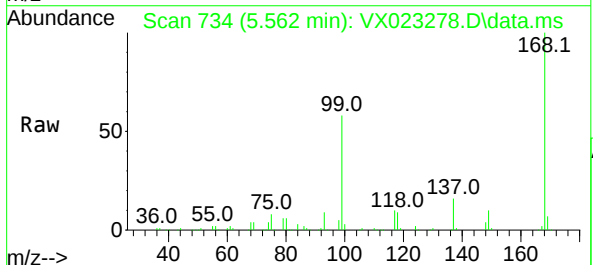
Instrument :
MSVOA_X
ClientSampled :

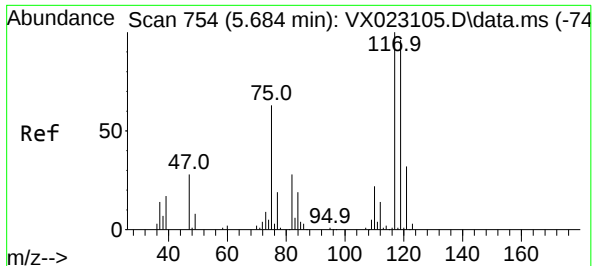
Tgt Ion:113 Resp: 111379
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 19.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.469 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

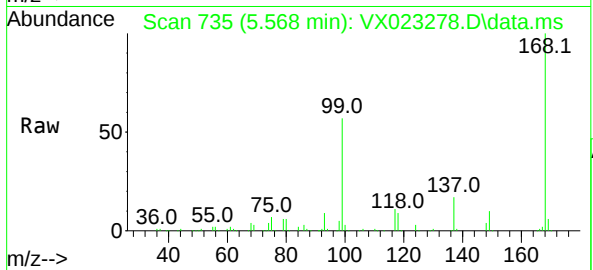
Tgt Ion: 75 Resp: 16775
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#



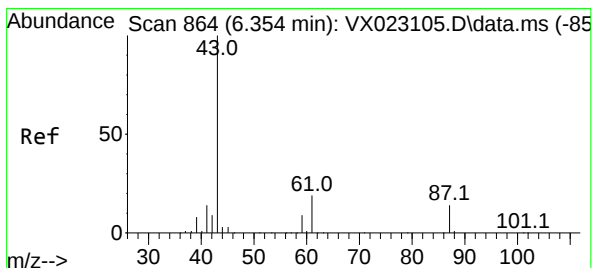
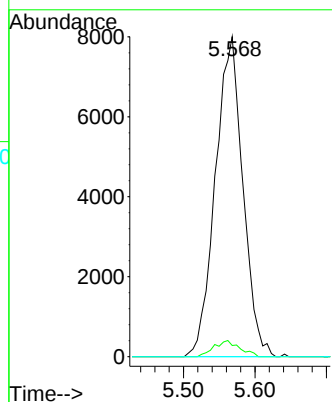
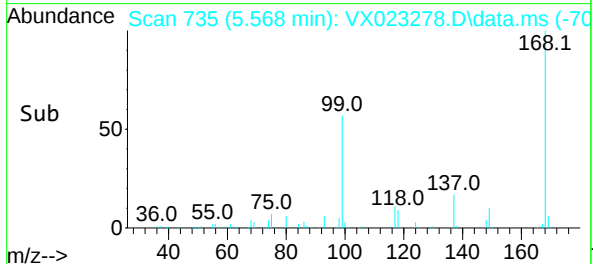


#38
Carbon Tetrachloride
Concen: 6.679 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

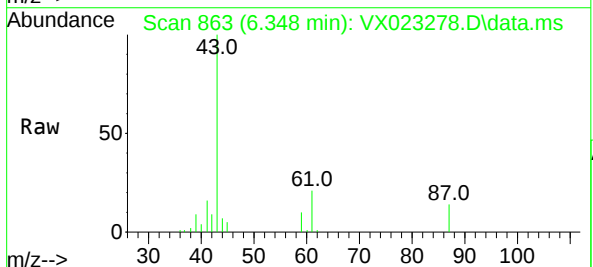
Instrument :
MSVOA_X
ClientSampled :



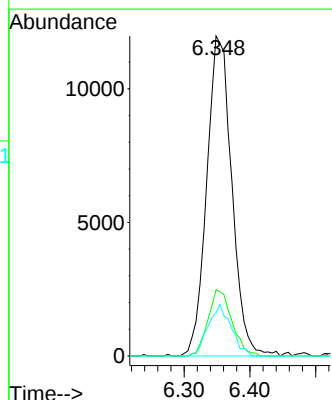
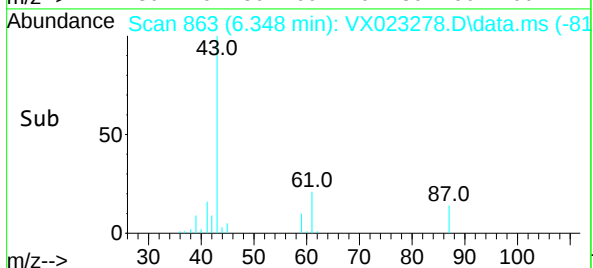
Tgt Ion:117 Resp: 21384
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#

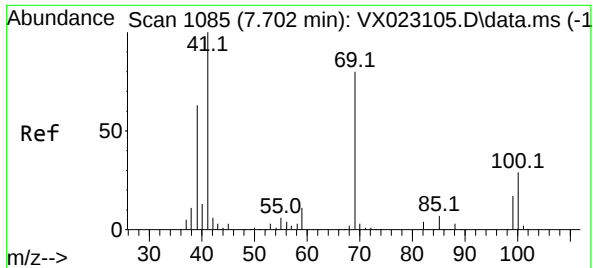


#43
Isopropyl Acetate
Concen: 5.708 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48



Tgt Ion: 43 Resp: 31767
Ion Ratio Lower Upper
43 100
61 19.8 18.2 27.4
87 14.7 12.5 18.7

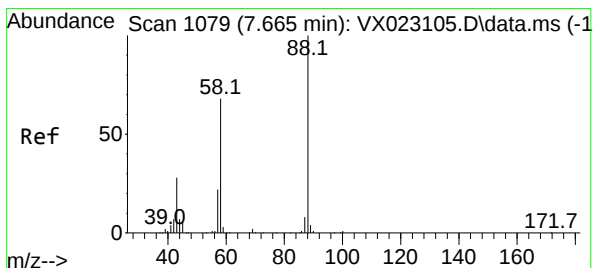
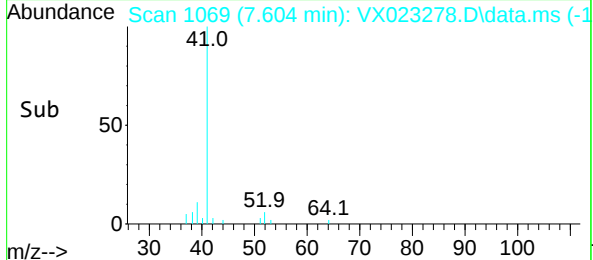
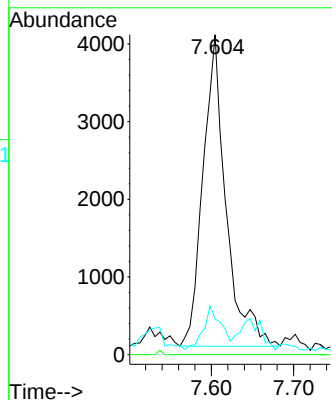
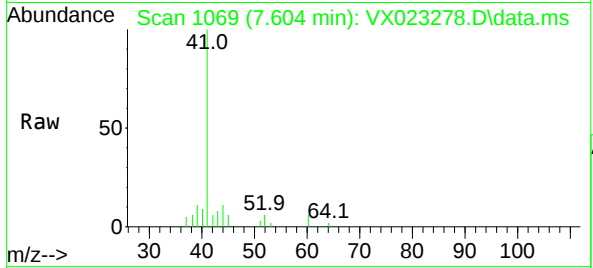




#48
Methyl methacrylate
Concen: 2.854 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

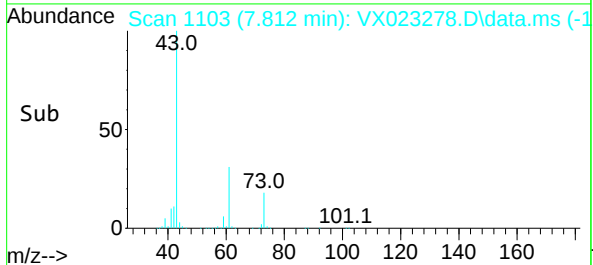
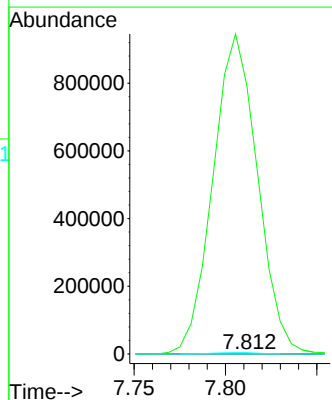
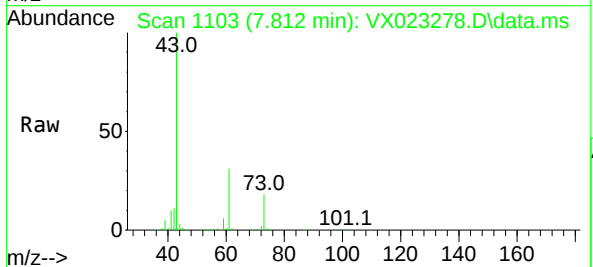
Instrument :
MSVOA_X
ClientSampled :

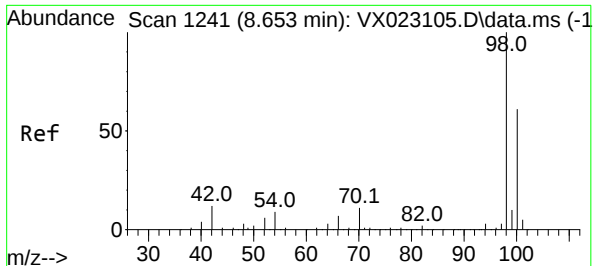
Tgt Ion: 41 Resp: 7794
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.116 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
43 636291.7 23.2 34.8#
58 2820.6 55.0 82.4#

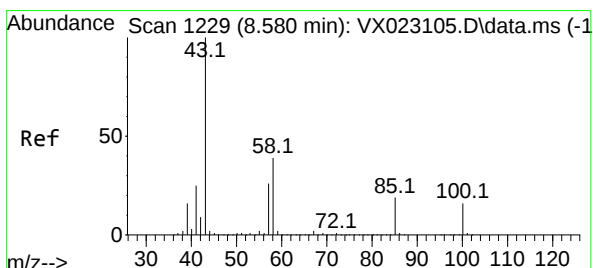
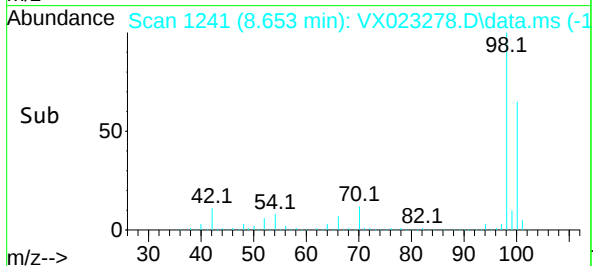
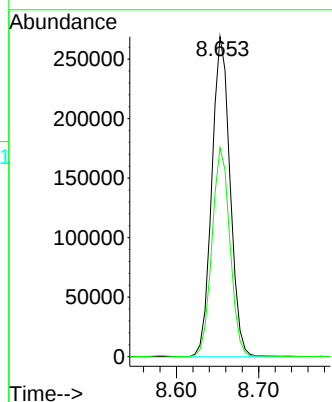
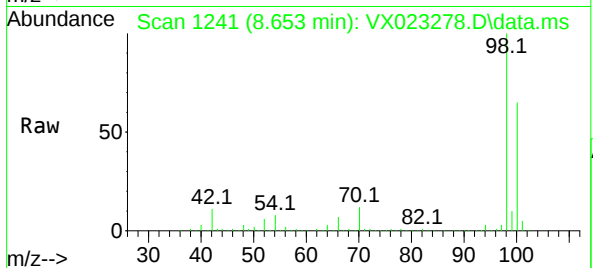




#50
Toluene-d8
Concen: 49.978 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

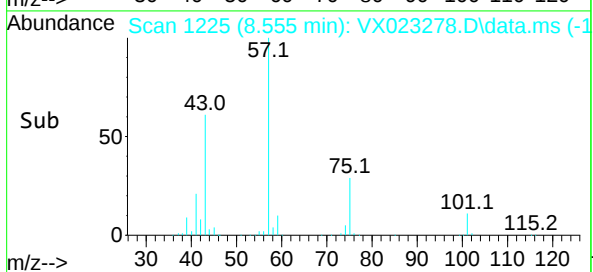
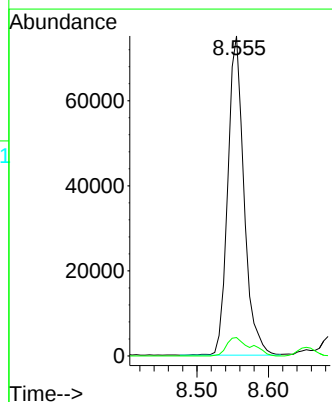
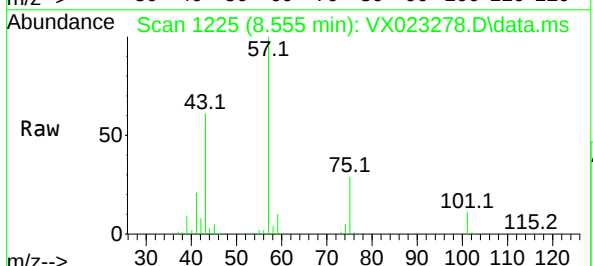
Instrument :
MSVOA_X
ClientSampled :

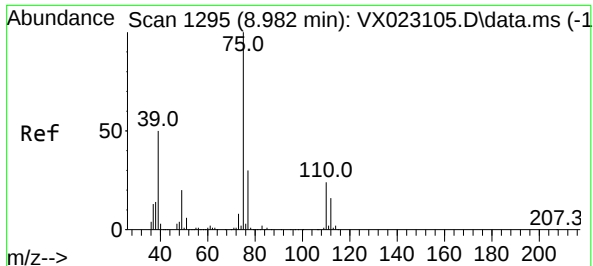
Tgt Ion: 98 Resp: 414211
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 34.223 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 43 Resp: 118027
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

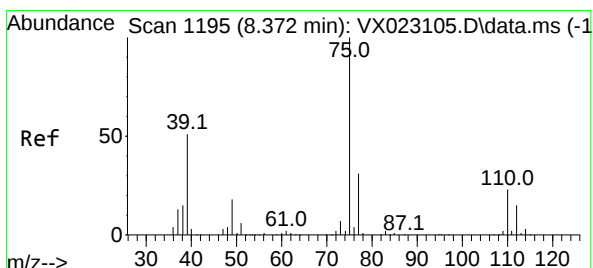
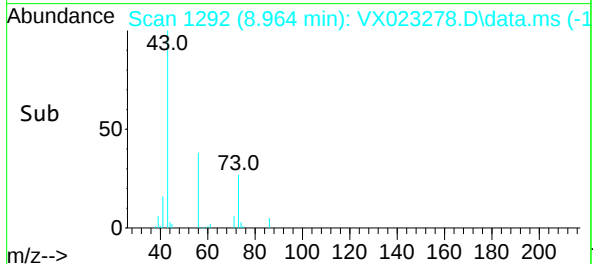
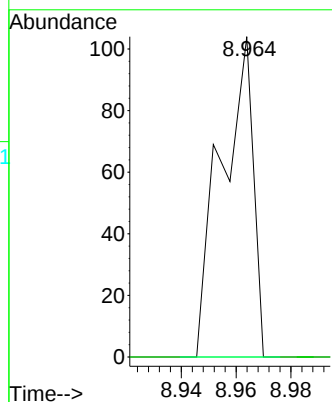
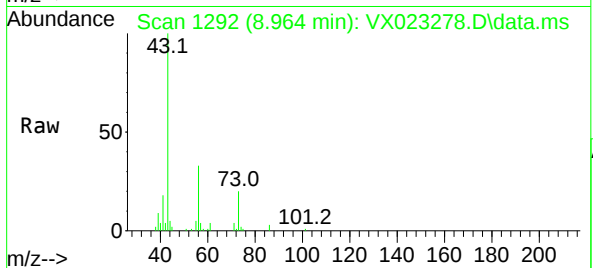




#53
t-1,3-Dichloropropene
Concen: 2.757 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

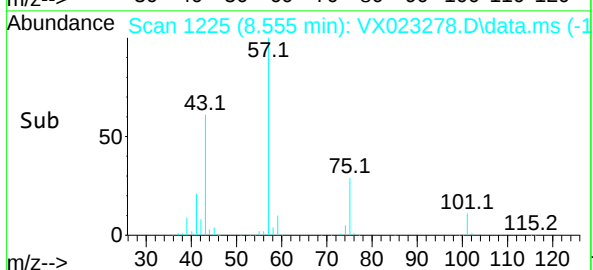
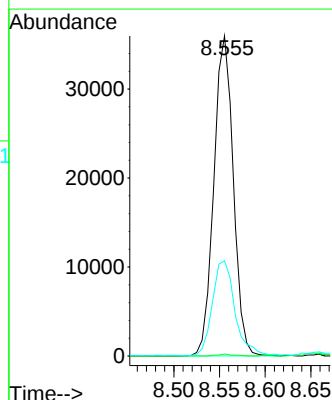
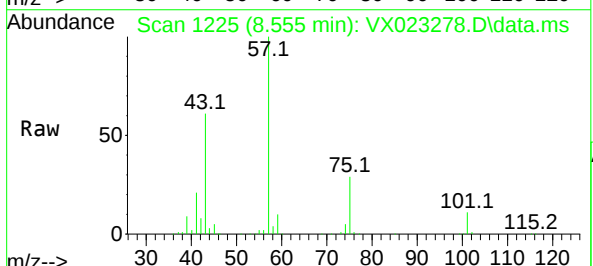
Instrument :
MSVOA_X
ClientSampled :

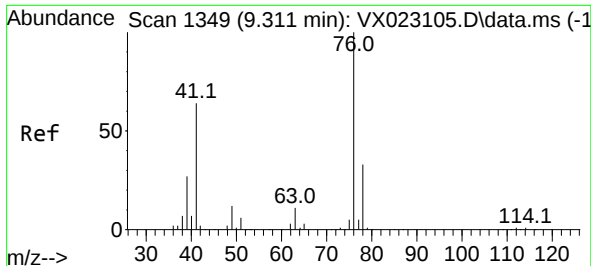
Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 14.935 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 75 Resp: 53230
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 29.6 35.1 52.7#



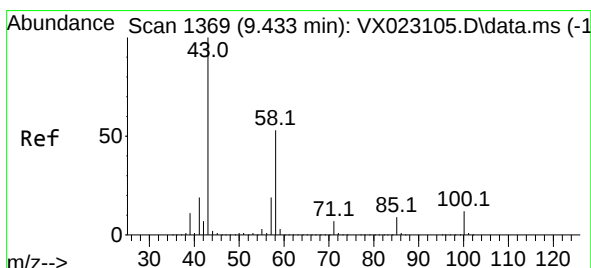
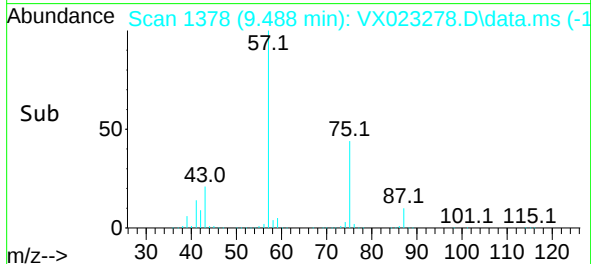
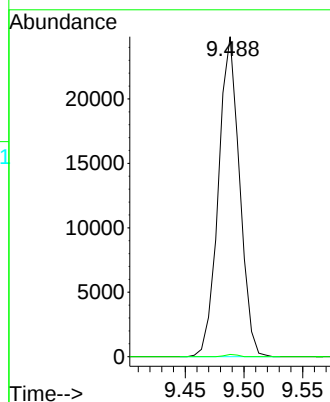
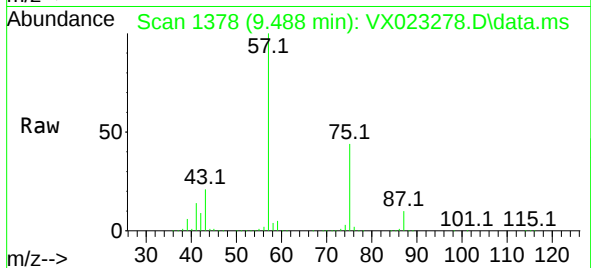


#57

1,3-Dichloropropane
Concen: 7.781 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Instrument :
MSVOA_X
ClientSampled :

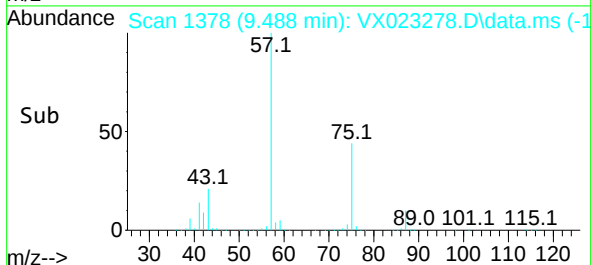
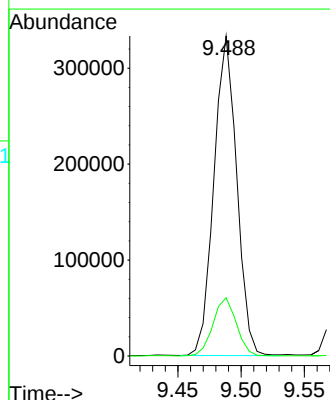
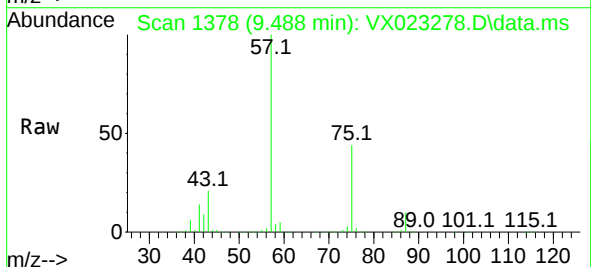
Tgt Ion: 76 Resp: 31125
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

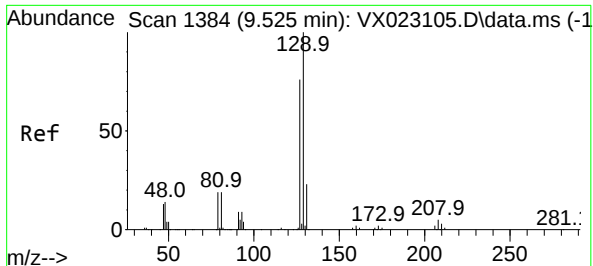


#59

2-Hexanone
Concen: 157.926 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 43 Resp: 417890
Ion Ratio Lower Upper
43 100
58 18.6 30.9 92.8#

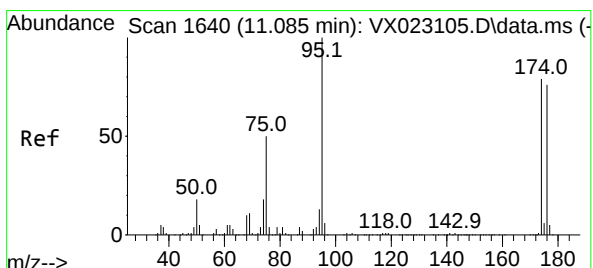
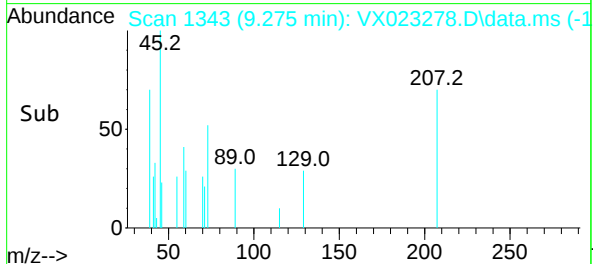
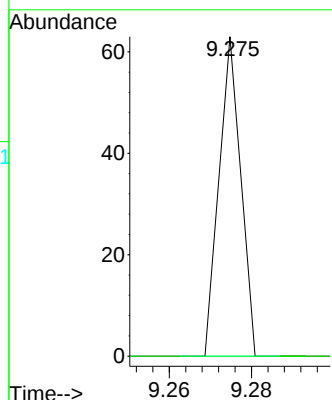
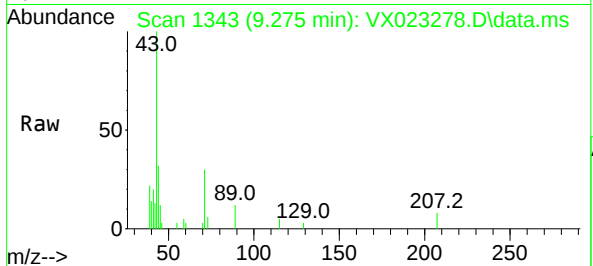




#60
Dibromochloromethane
Concen: 3.121 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

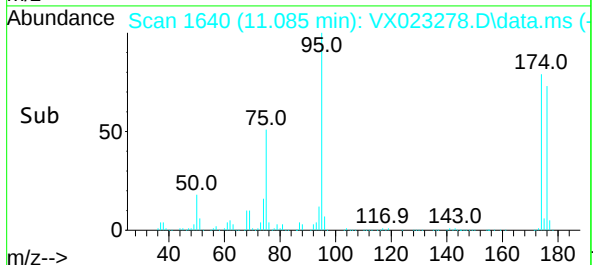
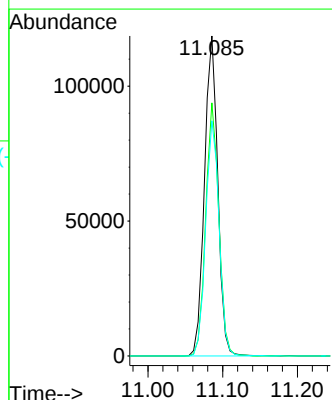
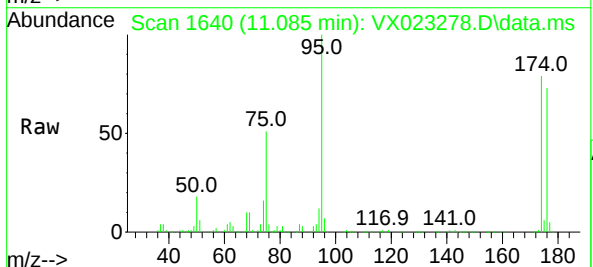
Instrument :
MSVOA_X
ClientSampleId :

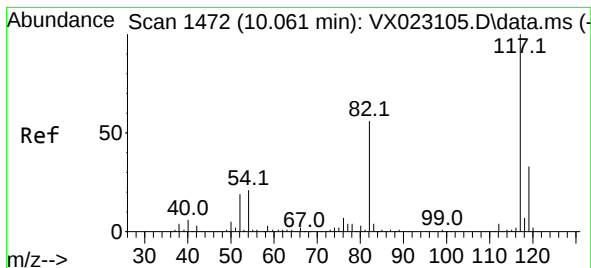
Tgt Ion:129 Resp: 23
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.748 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 95 Resp: 146374
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 74.2 0.0 155.8

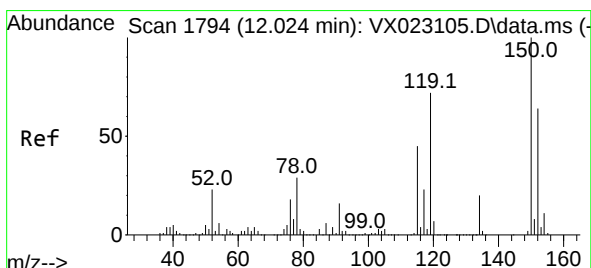
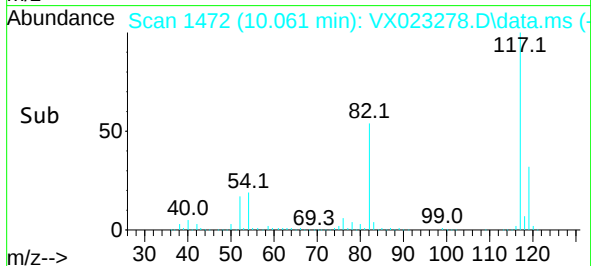
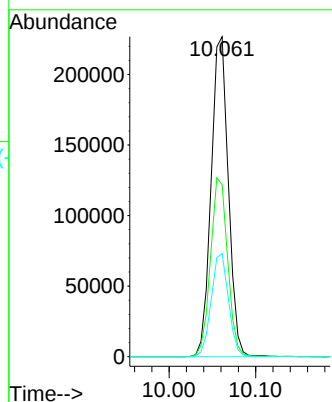
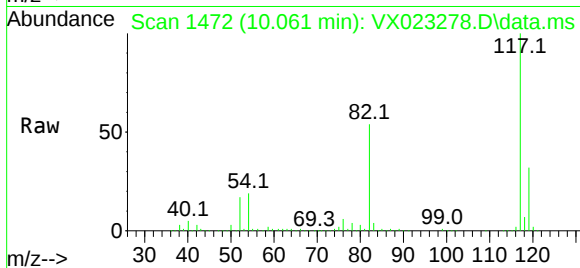




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

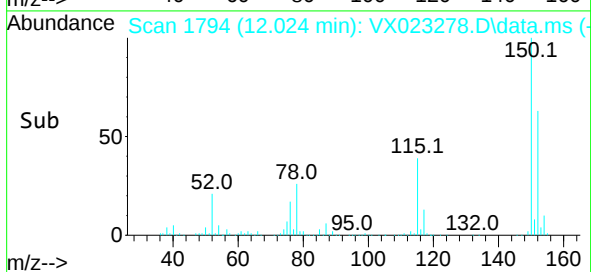
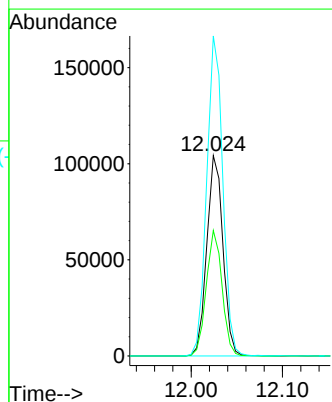
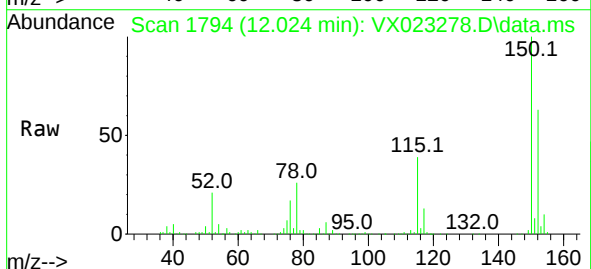
Instrument :
MSVOA_X
ClientSampleId :

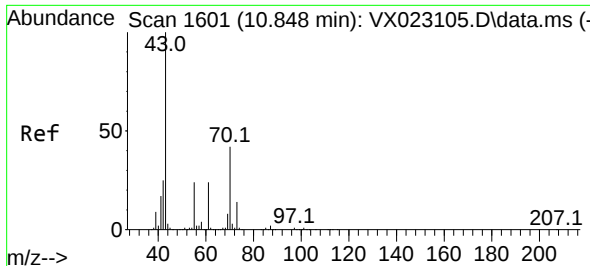
Tgt Ion:117 Resp: 313138
Ion Ratio Lower Upper
117 100
82 53.7 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

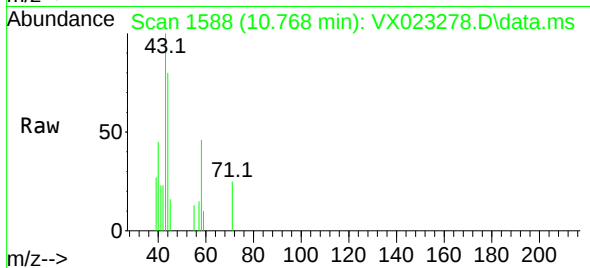
Tgt Ion:152 Resp: 127653
Ion Ratio Lower Upper
152 100
115 61.2 41.1 123.3
150 159.1 0.0 349.0



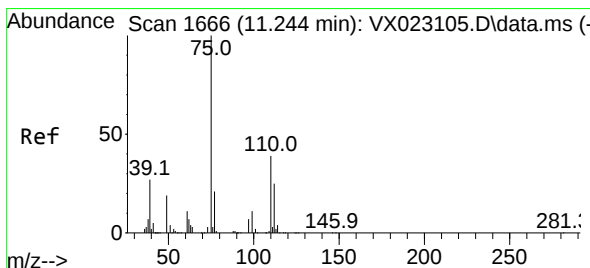
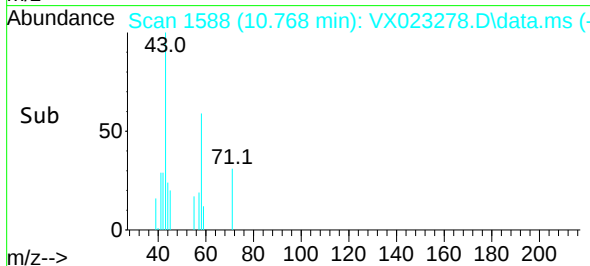
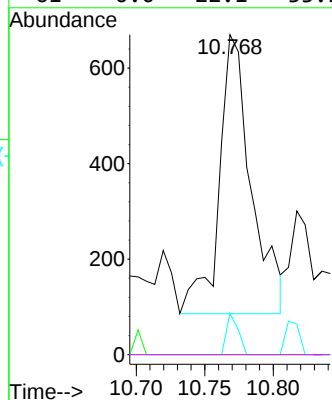


#74
N-amy1 acetate
Concen: 0.249 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Instrument :
MSVOA_X
ClientSampled :

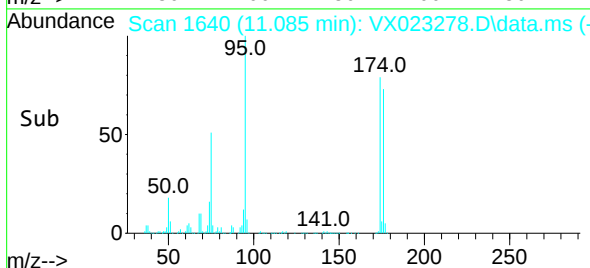
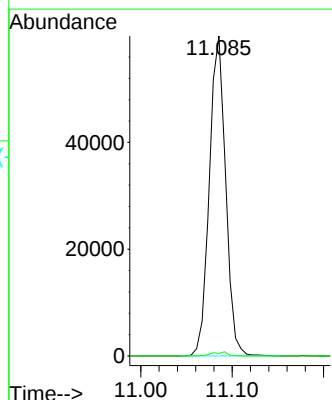
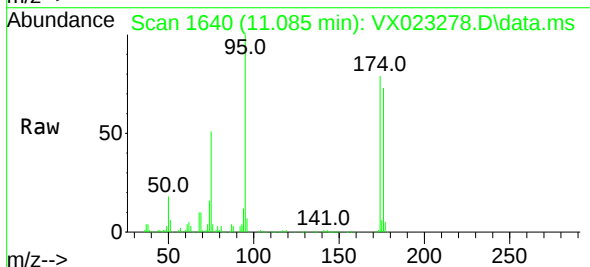


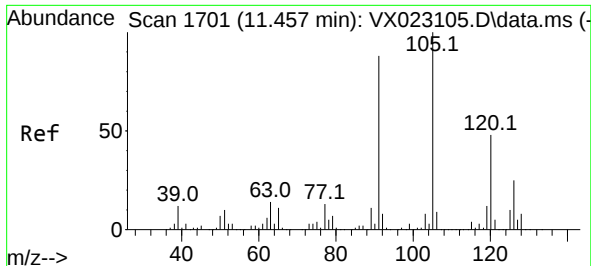
Tgt Ion: 43	Resp: 952
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 5.4	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.857 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 75	Resp: 74129
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#

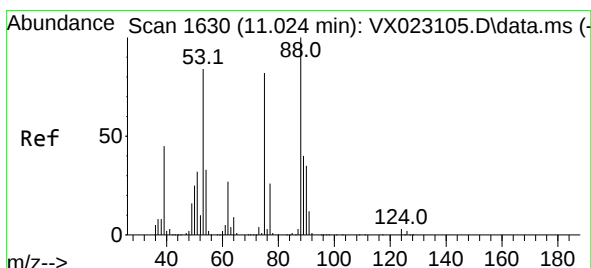
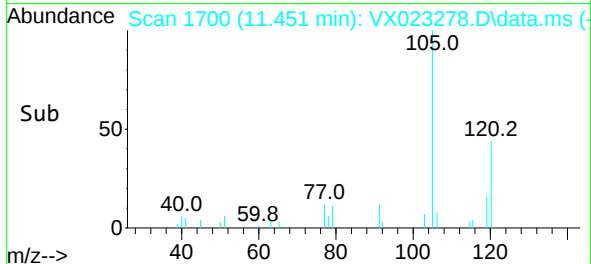
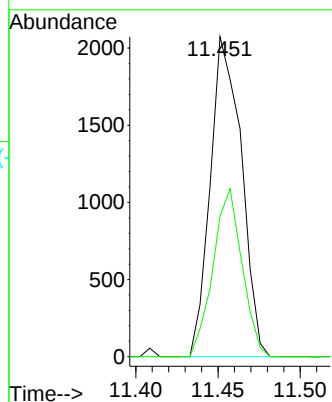
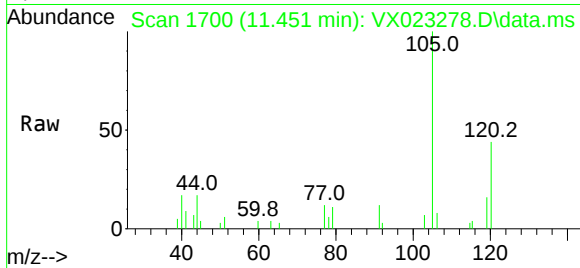




#80
1,3,5-Trimethylbenzene
Concen: 0.351 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

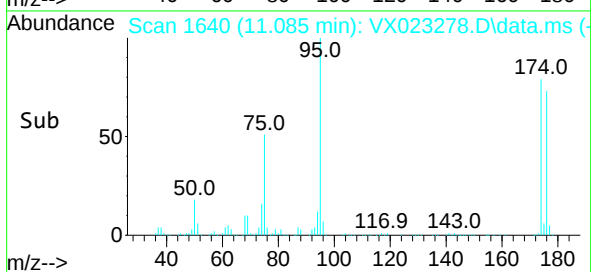
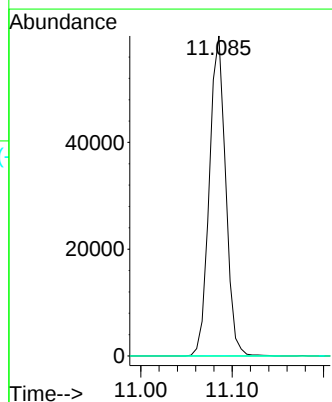
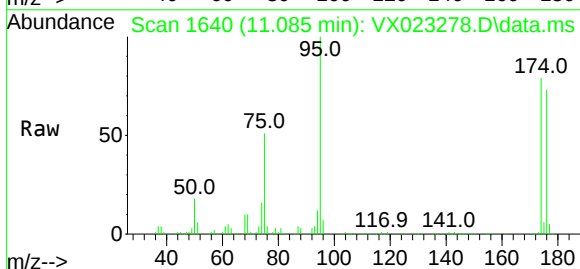
Instrument :
MSVOA_X
ClientSampled :

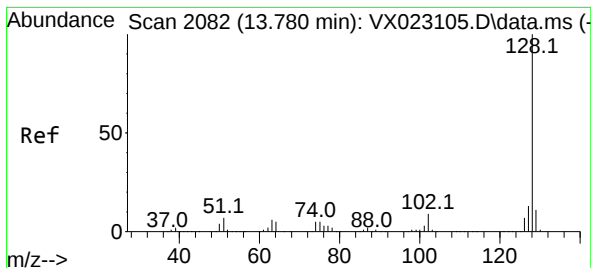
Tgt Ion:105 Resp: 2721
Ion Ratio Lower Upper
105 100
120 49.1 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 77.664 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023278.D
Acq: 14 Jul 2021 14:48

Tgt Ion: 75 Resp: 74129
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: VX023278.D

Acq: 14 Jul 2021 14:48

Tgt Ion:128 Resp: 334

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 9.0 8.8 13.2

