

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023736.D
 Acq On : 16 Aug 2021 14:26
 Operator : JC/MD
 Sample : M3398-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:16:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

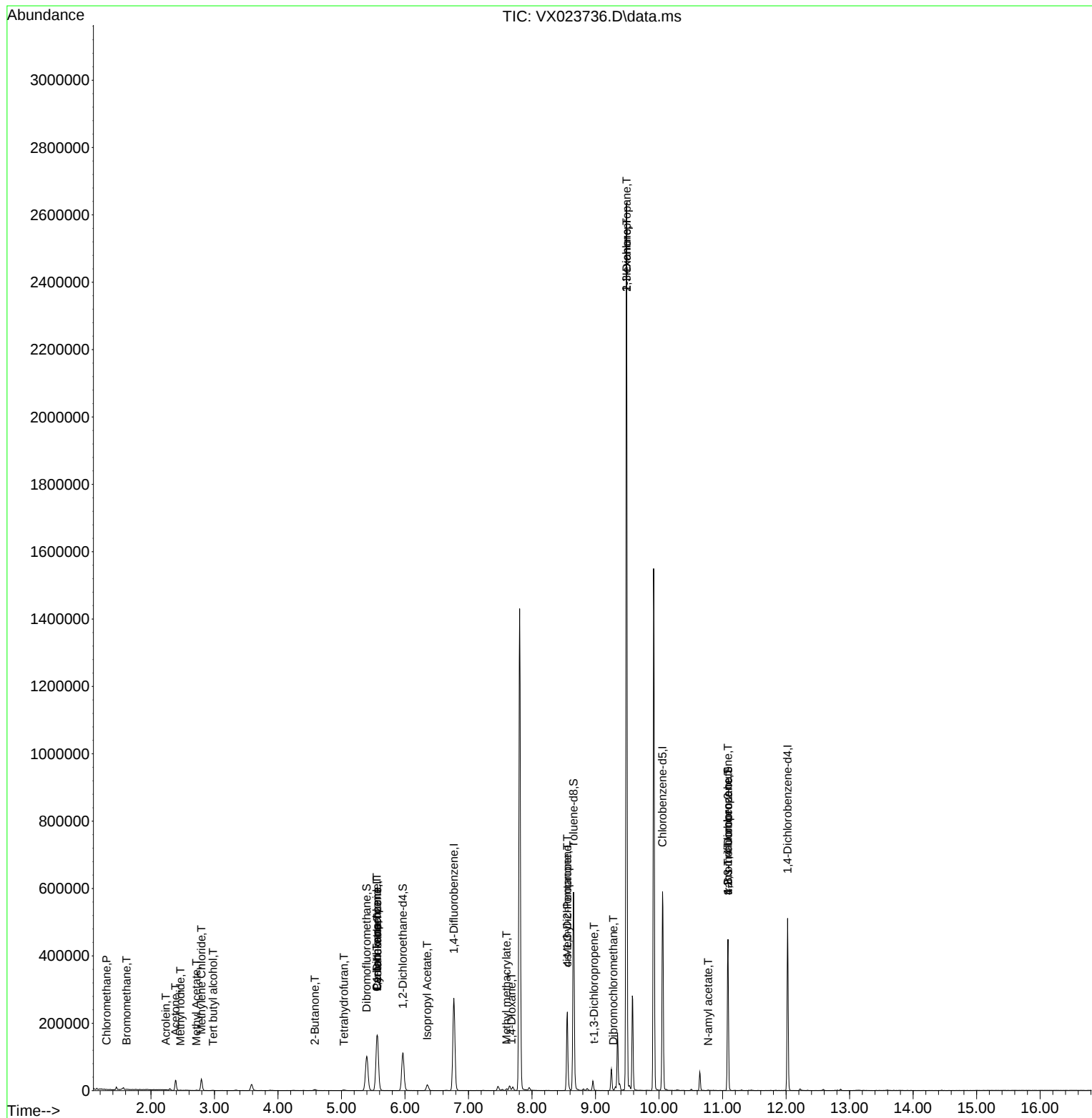
Internal Standards						
1) Pentafluorobenzene	5.562	168	159944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	270159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110532	55.400	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 110.800%		
35) Dibromofluoromethane	5.397	113	86574	51.253	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.500%		
50) Toluene-d8	8.653	98	338248	54.503	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.000%		
62) 4-Bromofluorobenzene	11.085	95	113162	53.624	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	347	0.202	ug/l #	36
5) Bromomethane	1.618	94	764	0.742	ug/l #	72
10) Methyl Iodide	2.465	142	1345	0.678	ug/l #	89
11) Tert butyl alcohol	2.977	59	785	1.722	ug/l #	73
13) Acrolein	2.233	56	98	1.784	ug/l #	3
16) Acetone	2.386	43	32341	33.045	ug/l #	87
18) Methyl Acetate	2.715	43	1702	0.732	ug/l #	83
20) Methylene Chloride	2.794	84	14696	7.720	ug/l	91
25) 2-Butanone	4.580	43	5124	3.372	ug/l	92
29) Tetrahydrofuran	5.038	42	1632	1.639	ug/l #	68
31) Cyclohexane	5.562	56	3806	1.288	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	12275	5.023	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15946	6.416	ug/l #	17
43) Isopropyl Acetate	6.348	43	23243	4.868	ug/l	93
48) Methyl methacrylate	7.598	41	5955	2.693	ug/l #	10
49) 1,4-Dioxane	7.677	88	32	0.680	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	82562	28.270	ug/l #	45
53) t-1,3-Dichloropropene	8.976	75	22	1.824	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34265	11.730	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	21210	6.867	ug/l #	43
59) 2-Hexanone	9.488	43	315509	142.267	ug/l #	43
60) Dibromochloromethane	9.281	129	61	2.012	ug/l #	11
74) N-amyl acetate	10.774	43	1158	0.338	ug/l #	40
76) 1,2,3-Trichloropropane	11.085	75	59945	27.368	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59945	73.588	ug/l #	12

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

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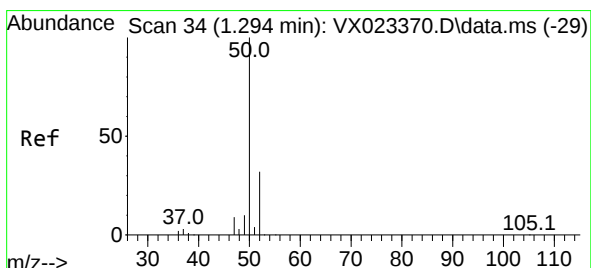
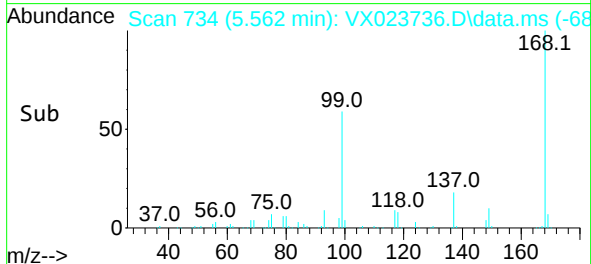
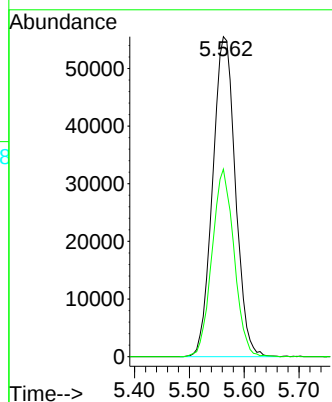
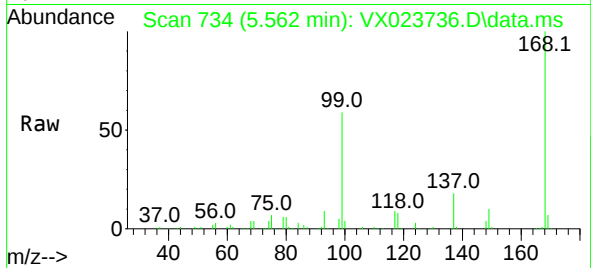




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

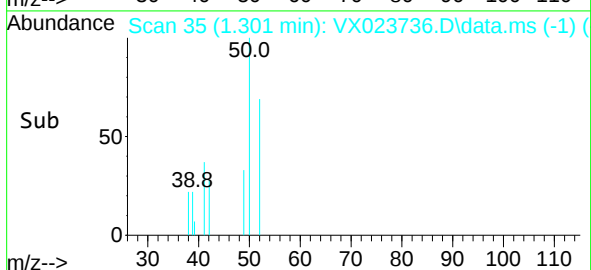
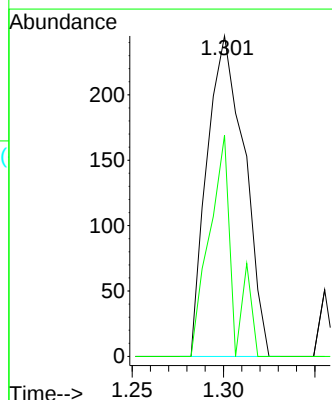
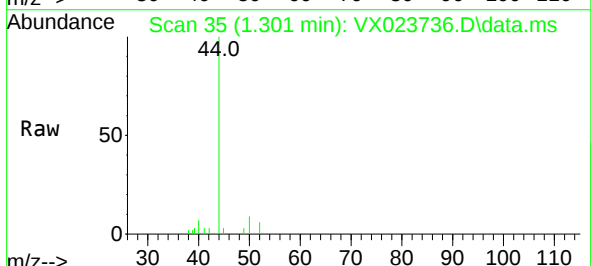
Instrument :
MSVOA_X
ClientSampled :

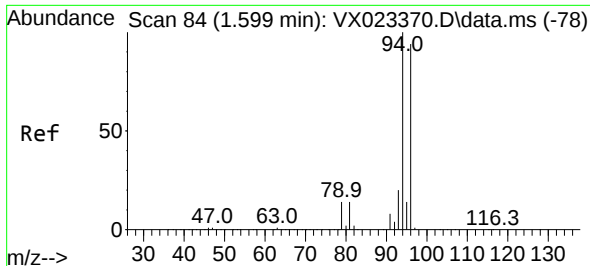
Tgt Ion:168 Resp: 159944
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 69.0 26.4 39.6#

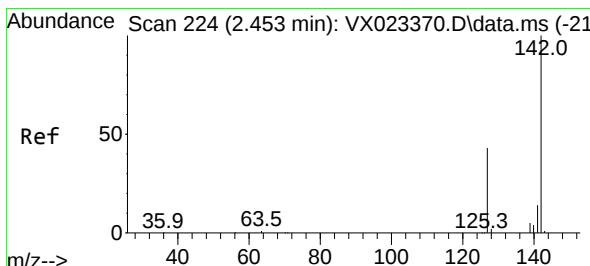
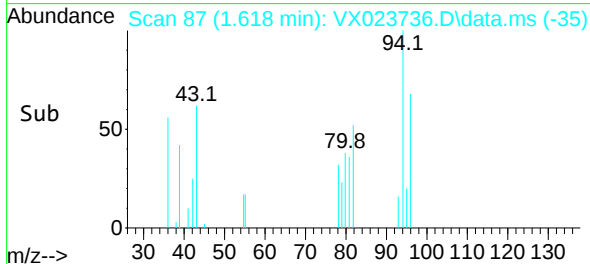
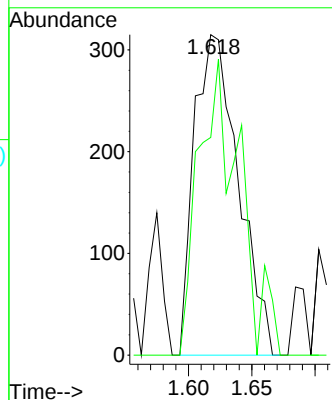
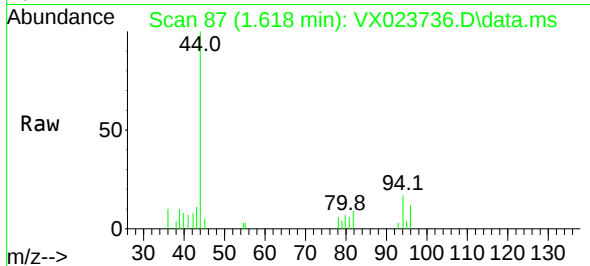




#5
Bromomethane
Concen: 0.742 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

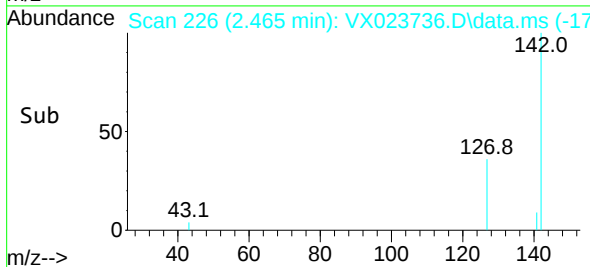
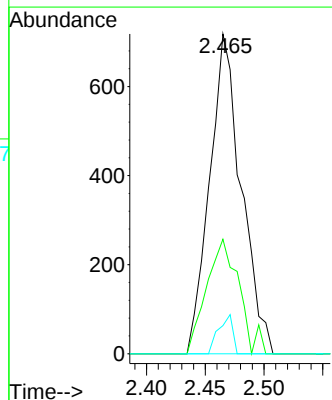
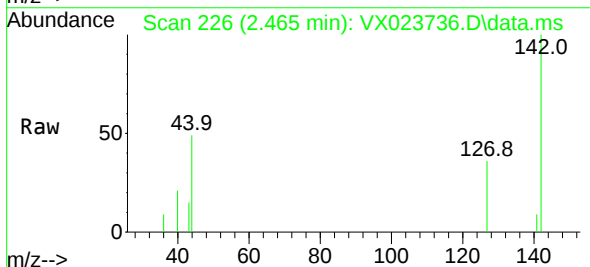
Instrument :
MSVOA_X
ClientSampled :

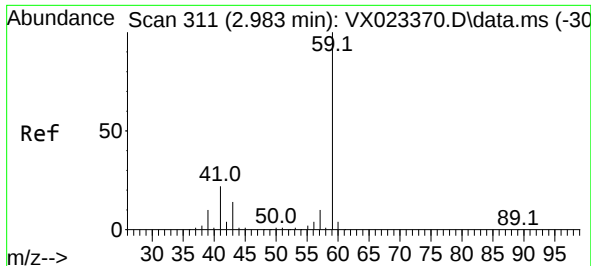
Tgt Ion: 94 Resp: 764
Ion Ratio Lower Upper
94 100
96 67.9 76.4 114.6#



#10
Methyl Iodide
Concen: 0.678 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 142 Resp: 1345
Ion Ratio Lower Upper
142 100
127 36.7 33.3 49.9
141 5.5 11.4 17.0#

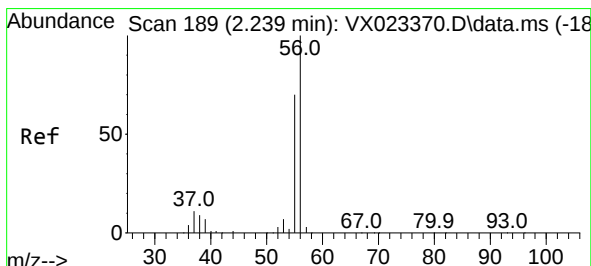
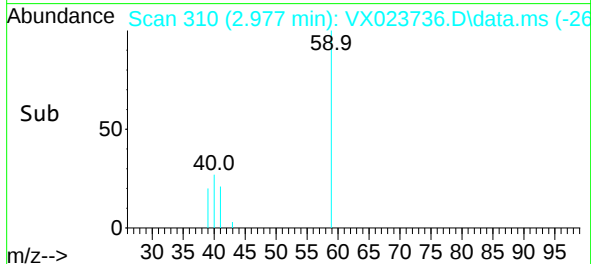
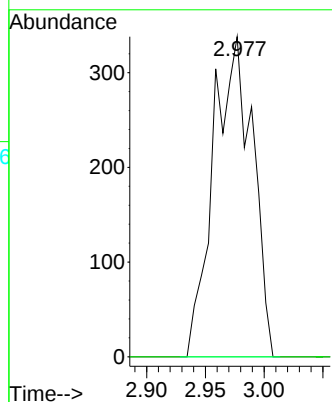
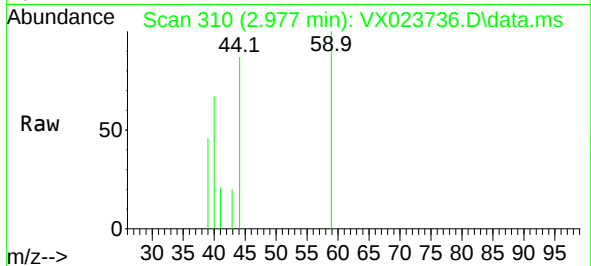




#11
Tert butyl alcohol
Concen: 1.722 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

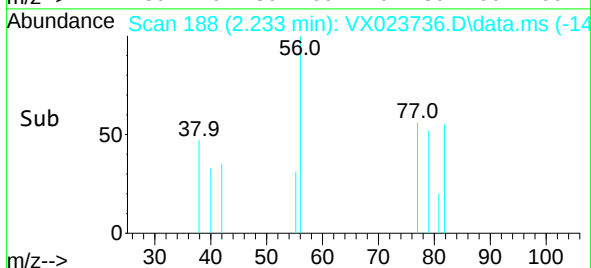
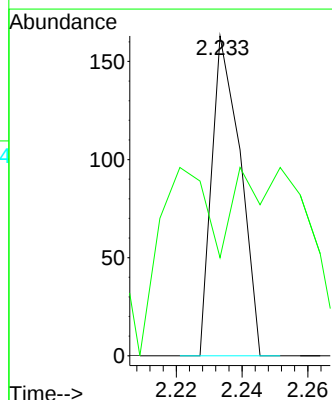
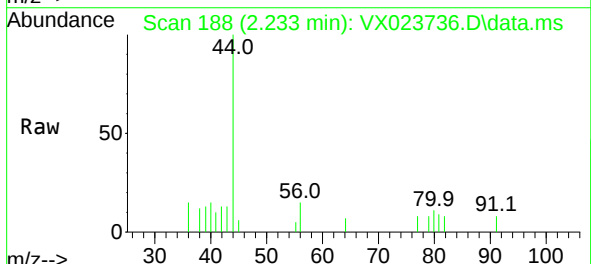
Instrument :
MSVOA_X
ClientSampled :

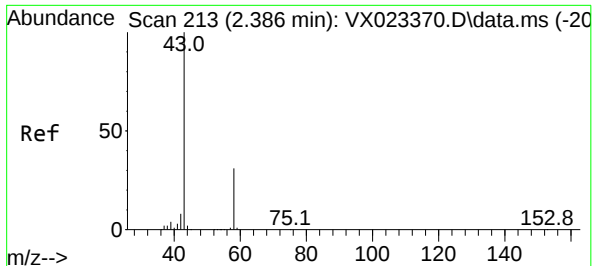
Tgt Ion: 59 Resp: 785
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.784 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 150.0 56.4 84.6#

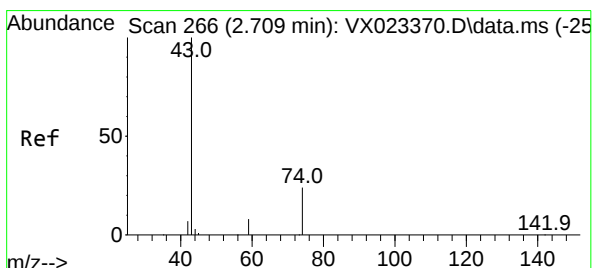
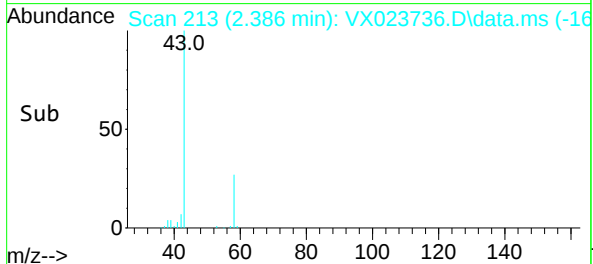
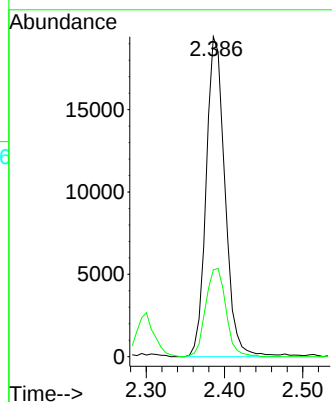
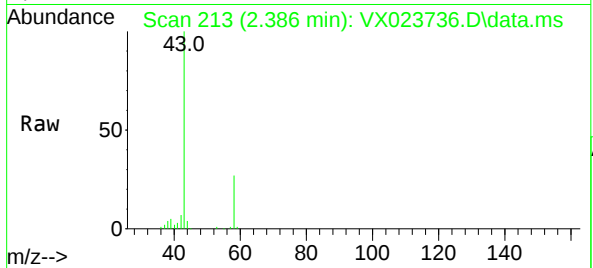




#16
Acetone
Concen: 33.045 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

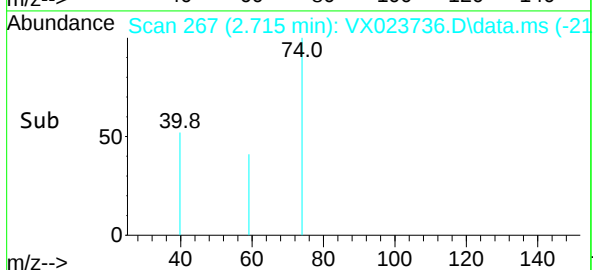
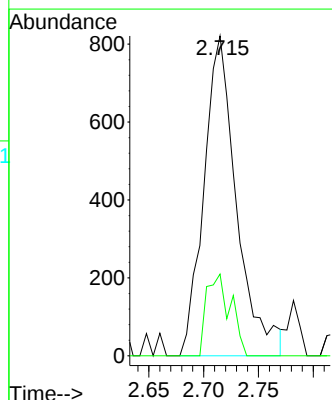
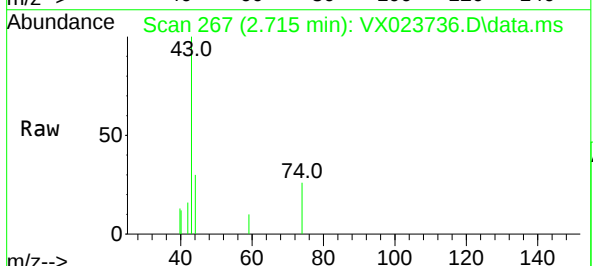
Instrument :
MSVOA_X
ClientSampled :

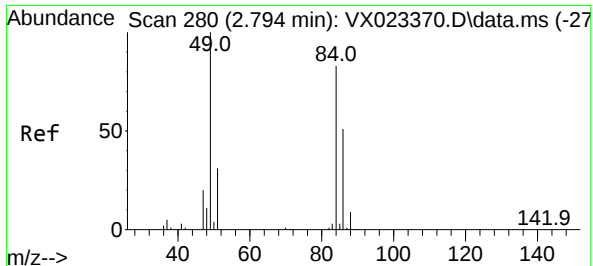
Tgt Ion: 43 Resp: 32341
Ion Ratio Lower Upper
43 100
58 27.1 27.8 41.8#



#18
Methyl Acetate
Concen: 0.732 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

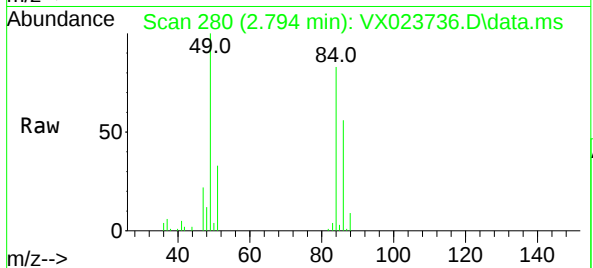
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
74 18.7 21.9 32.9#



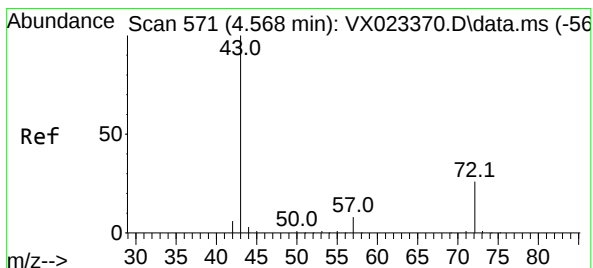
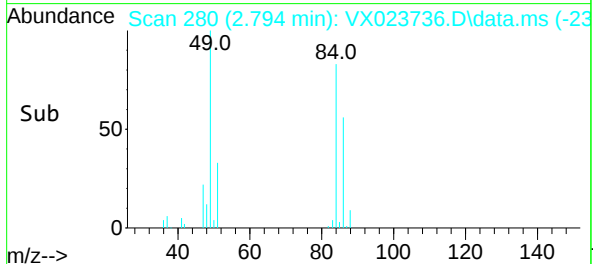
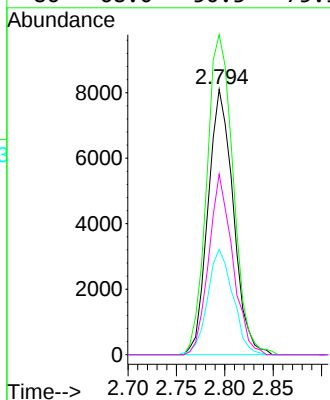


#20
Methylene Chloride
Concen: 7.720 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Instrument :
MSVOA_X
ClientSampled :

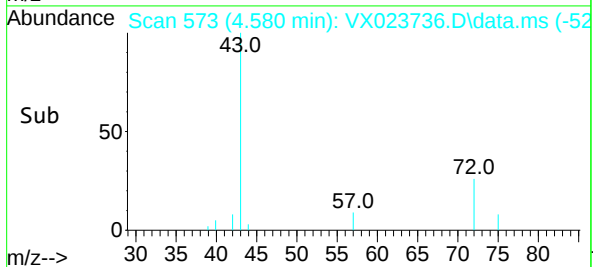
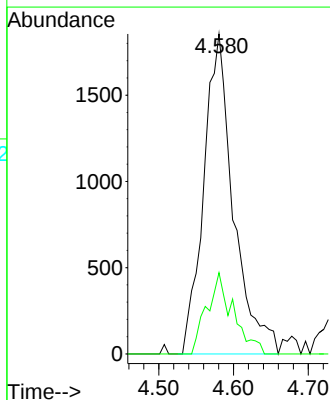
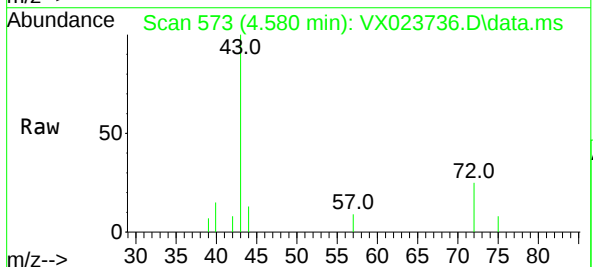


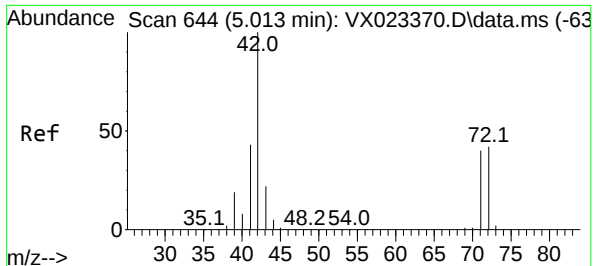
Tgt Ion:	84	Resp:	14696
Ion	Ratio	Lower	Upper
84	100		
49	120.6	88.6	132.8
51	39.6	27.0	40.6
86	68.0	50.3	75.5



#25
2-Butanone
Concen: 3.372 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion:	43	Resp:	5124
Ion	Ratio	Lower	Upper
43	100		
72	25.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.639 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

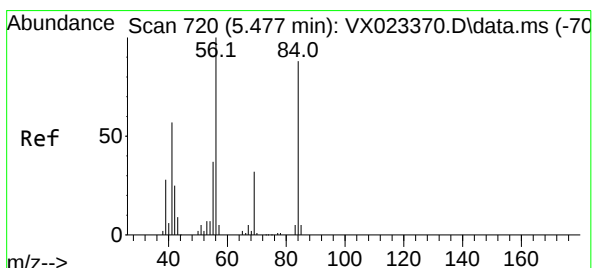
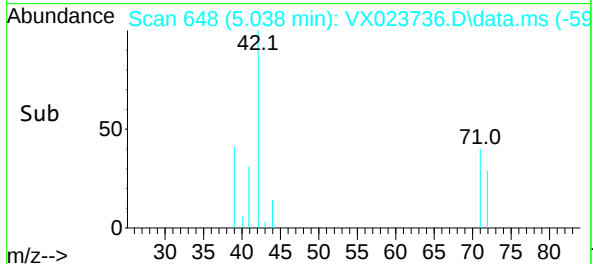
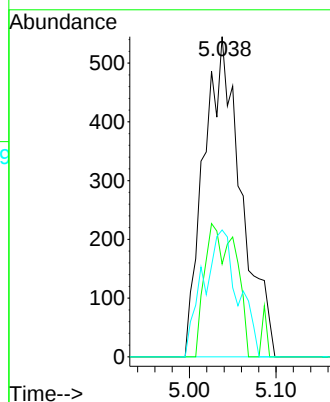
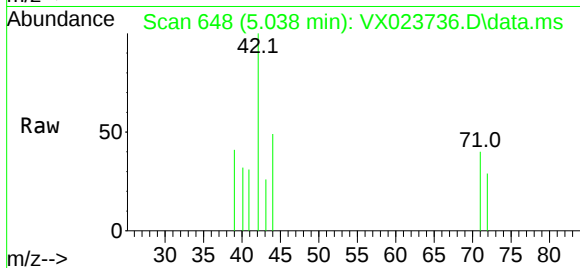
Lab File: VX023736.D

Acq: 16 Aug 2021 14:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 42 Resp: 1632

Ion	Ratio	Lower	Upper
42	100		
72	19.5	41.7	62.5#
71	36.9	38.4	57.6#



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 5.562 min Scan# 734

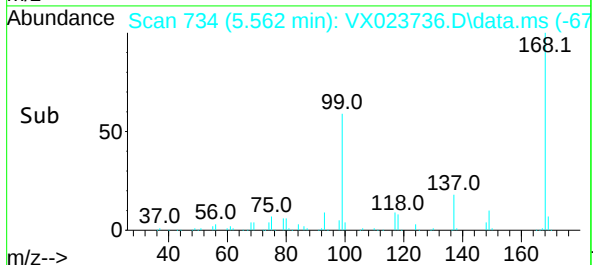
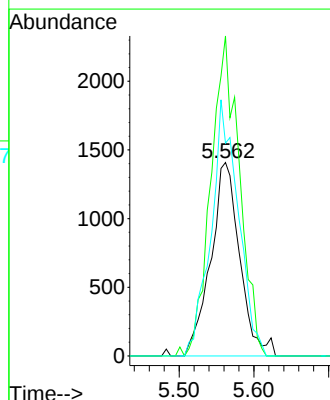
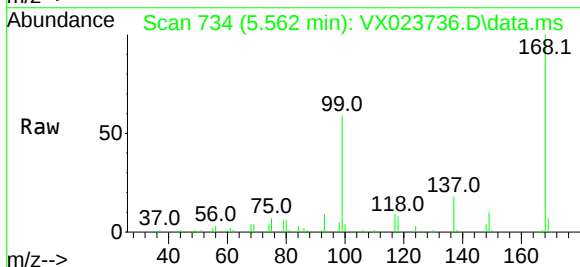
Delta R.T. 0.085 min

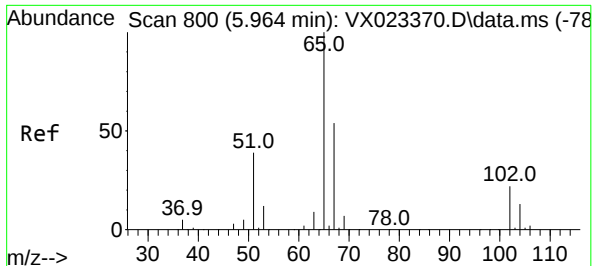
Lab File: VX023736.D

Acq: 16 Aug 2021 14:26

Tgt Ion: 56 Resp: 3806

Ion	Ratio	Lower	Upper
56	100		
69	165.4	25.3	37.9#
84	110.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 55.400 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023736.D

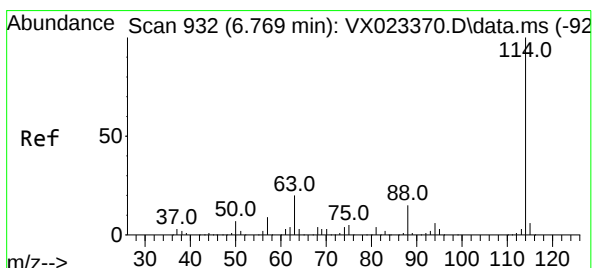
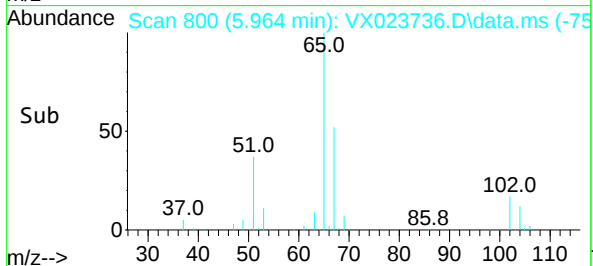
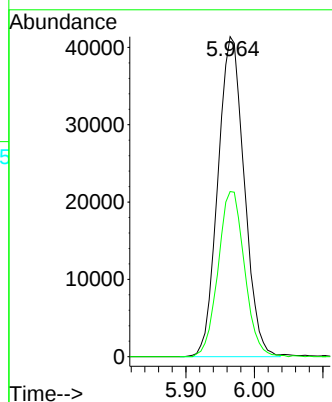
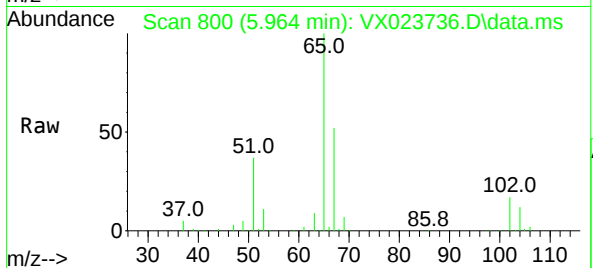
Acq: 16 Aug 2021 14:26

Tgt Ion: 65 Resp: 110532

Ion Ratio Lower Upper

65 100

67 51.6 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: VX023736.D

Acq: 16 Aug 2021 14:26

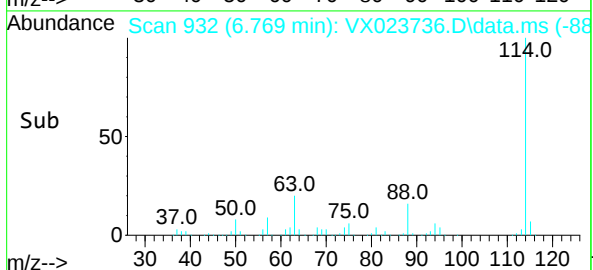
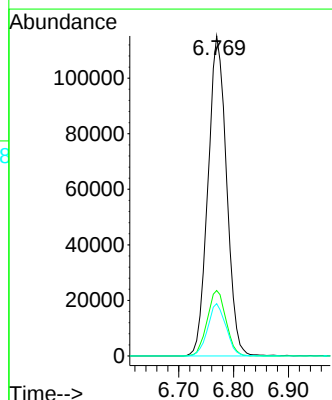
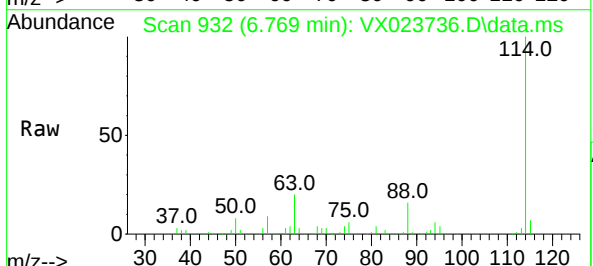
Tgt Ion: 114 Resp: 270159

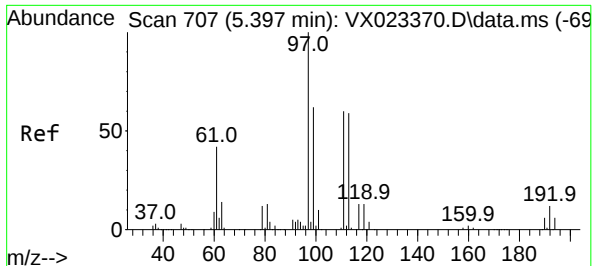
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 16.3 0.0 32.8

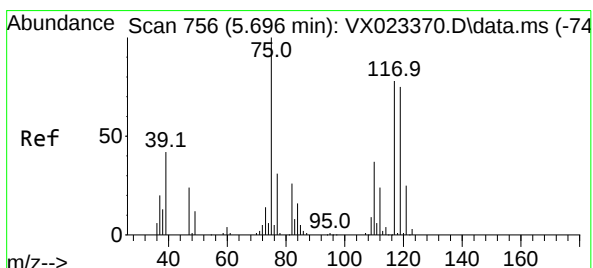
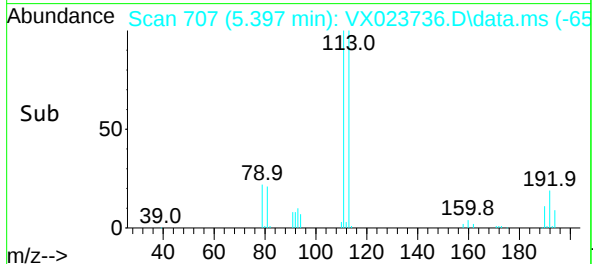
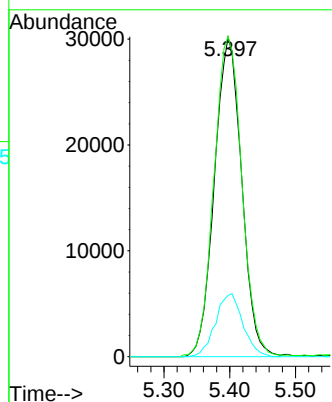
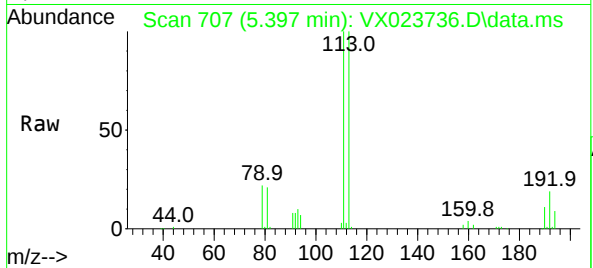




#35
Dibromofluoromethane
Concen: 51.253 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

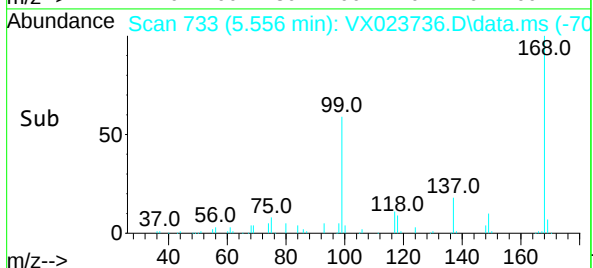
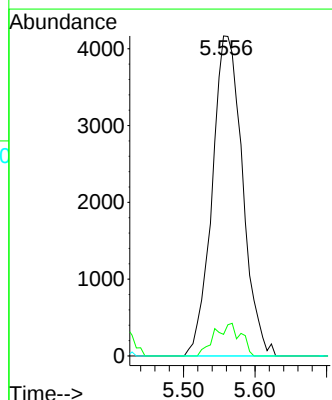
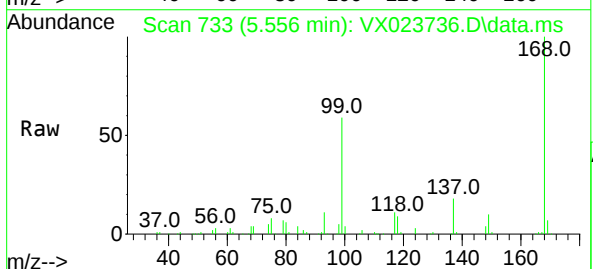
Instrument :
MSVOA_X
ClientSampled :

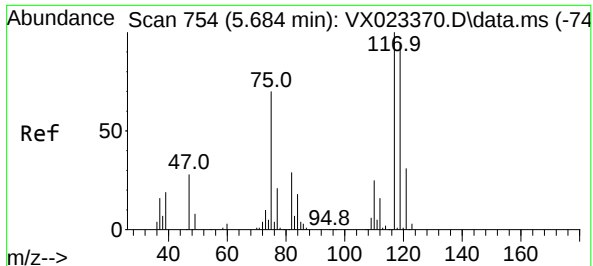
Tgt Ion:113 Resp: 86574
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.023 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 75 Resp: 12275
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#

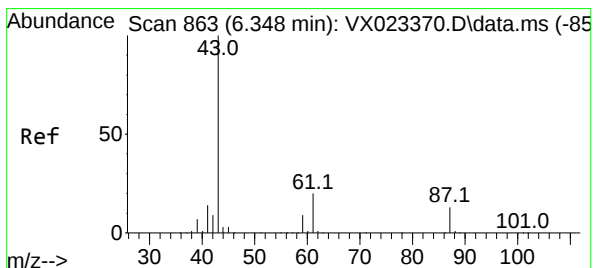
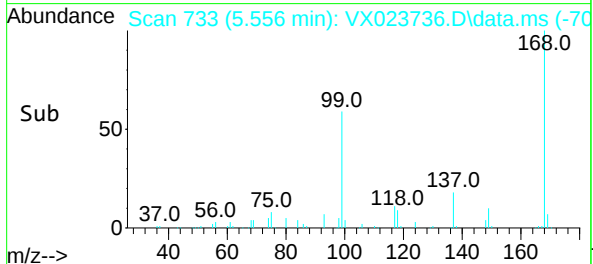
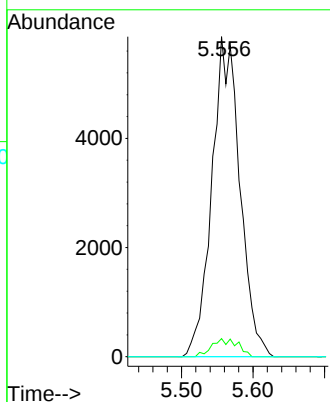
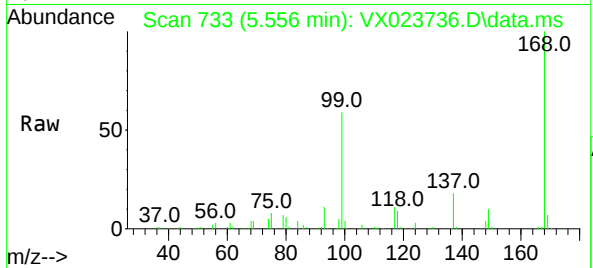




#38
Carbon Tetrachloride
Concen: 6.416 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

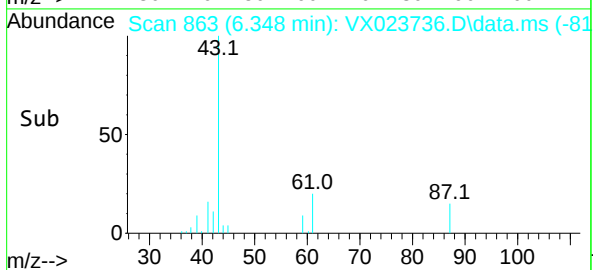
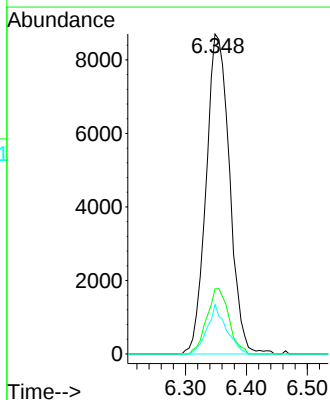
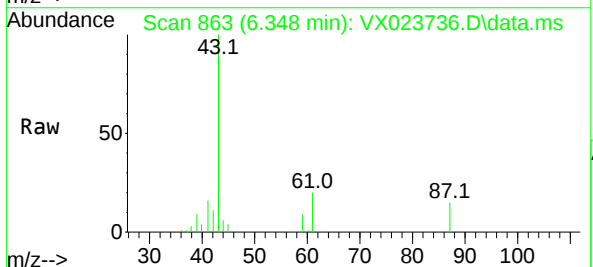
Instrument :
MSVOA_X
ClientSampled :

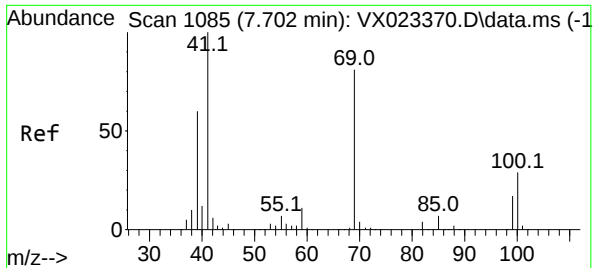
Tgt Ion:117 Resp: 15946
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.868 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 43 Resp: 23243
Ion Ratio Lower Upper
43 100
61 19.3 18.2 27.4
87 12.5 12.5 18.7





#48

Methyl methacrylate

Concen: 2.693 ug/l

RT: 7.598 min Scan# 1068

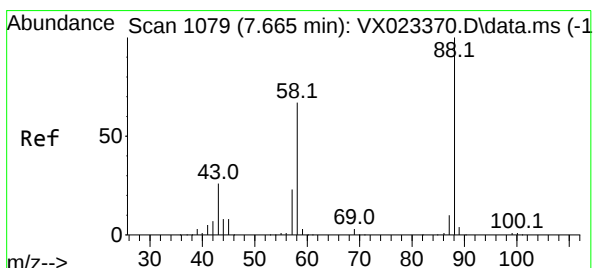
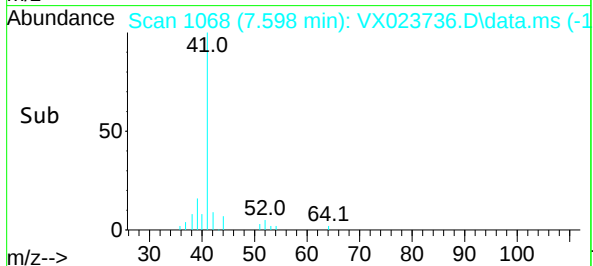
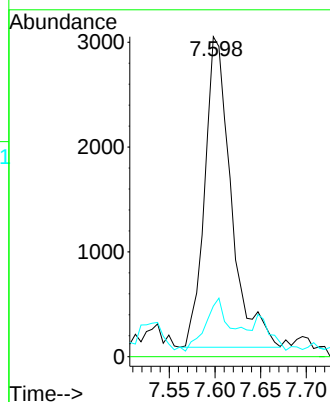
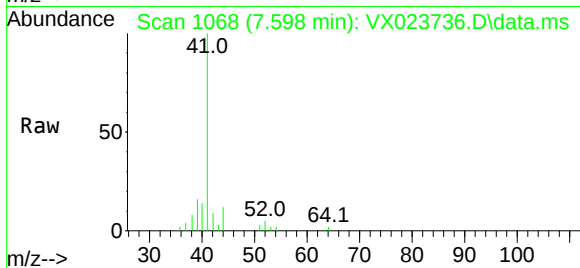
Delta R.T. -0.104 min

Lab File: VX023736.D

Acq: 16 Aug 2021 14:26

Tgt Ion:	41	Resp:	5955
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

Instrument :
MSVOA_X
ClientSampled :



#49

1,4-Dioxane

Concen: 0.680 ug/l

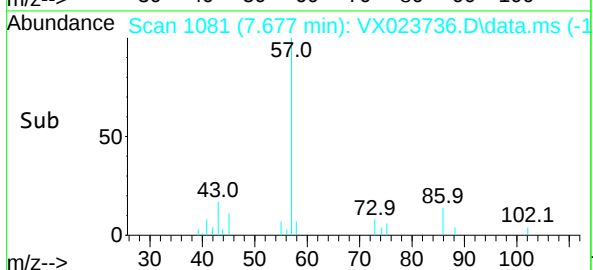
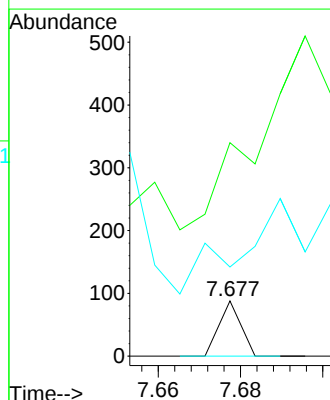
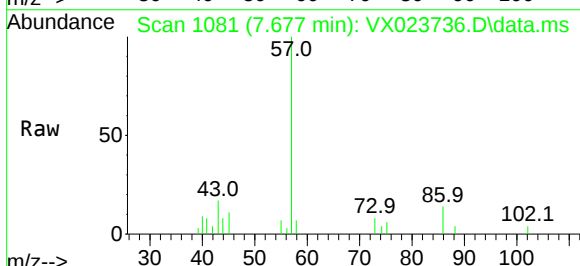
RT: 7.677 min Scan# 1081

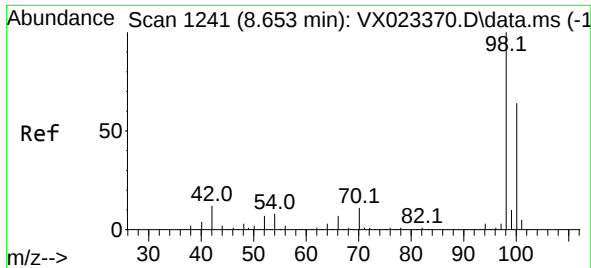
Delta R.T. 0.012 min

Lab File: VX023736.D

Acq: 16 Aug 2021 14:26

Tgt Ion:	88	Resp:	32
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	1571.9	55.0	82.4#

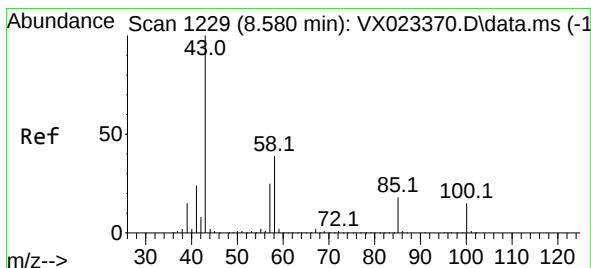
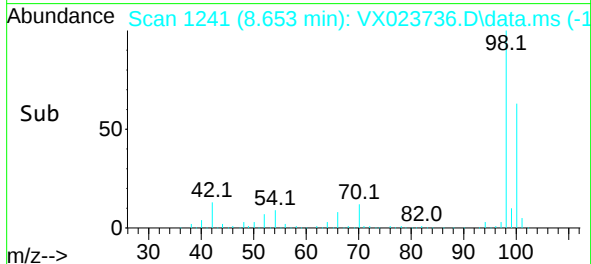
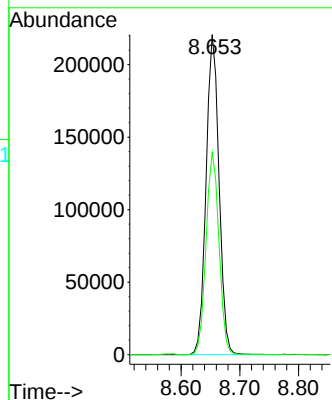
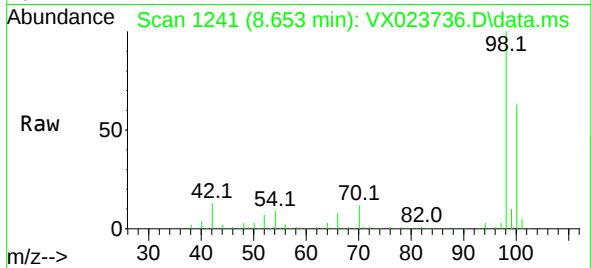




#50
Toluene-d8
Concen: 54.503 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

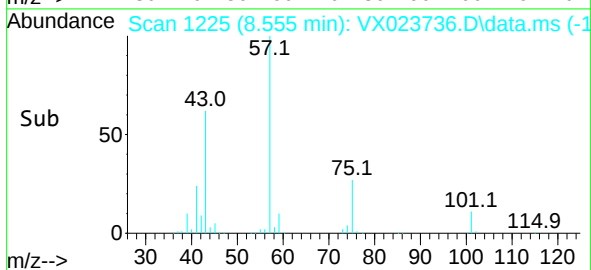
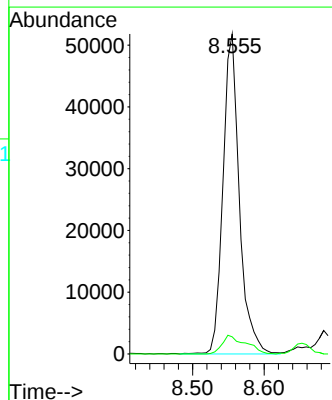
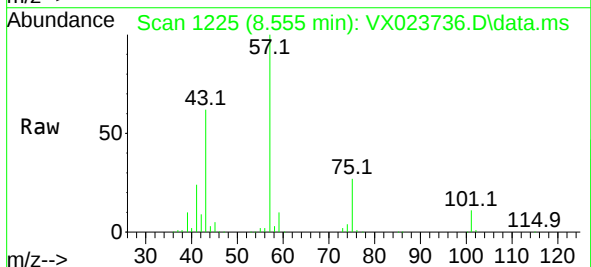
Instrument :
MSVOA_X
ClientSampled :

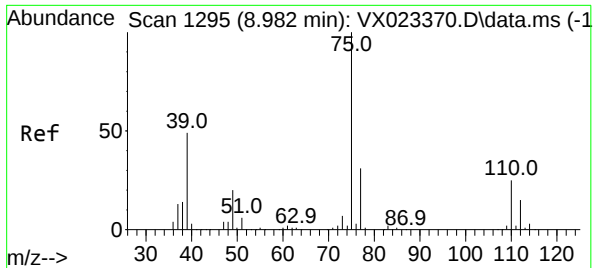
Tgt Ion: 98 Resp: 338248
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.270 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 43 Resp: 82562
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#

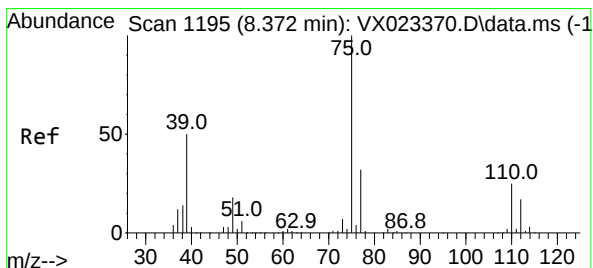
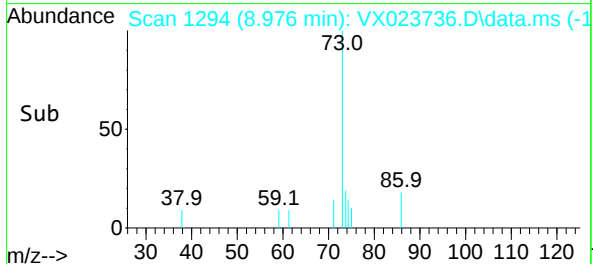
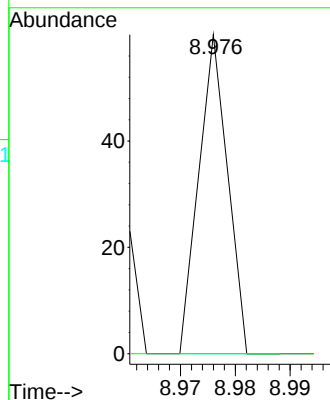
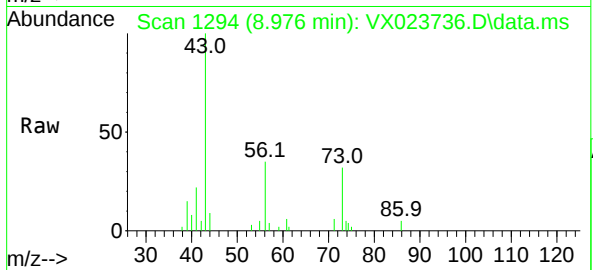




#53
t-1,3-Dichloropropene
Concen: 1.824 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

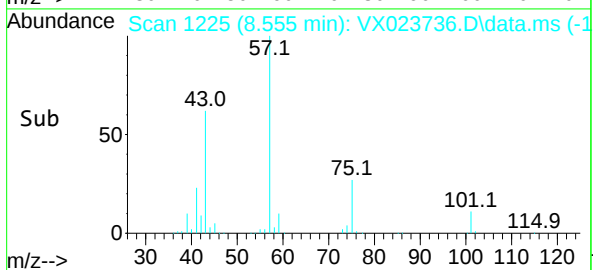
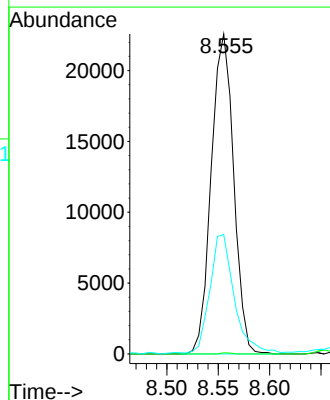
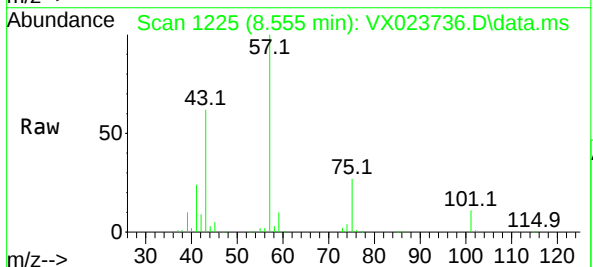
Instrument :
MSVOA_X
ClientSampled :

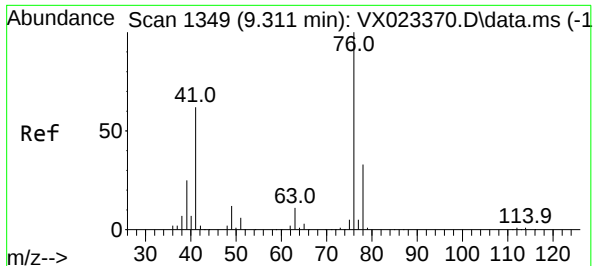
Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 11.730 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 75 Resp: 34265
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 36.9 35.1 52.7



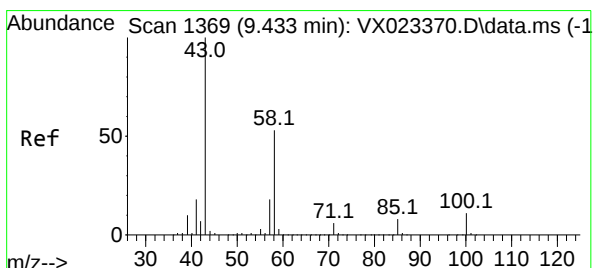
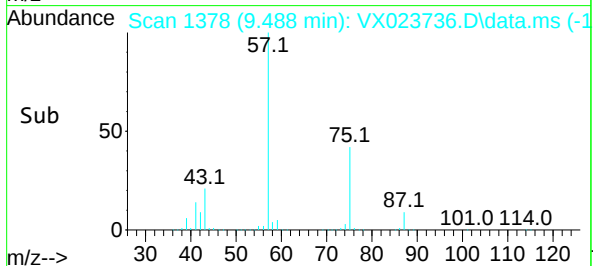
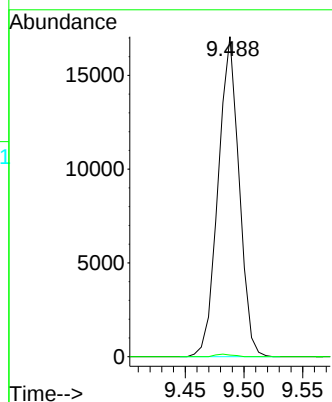
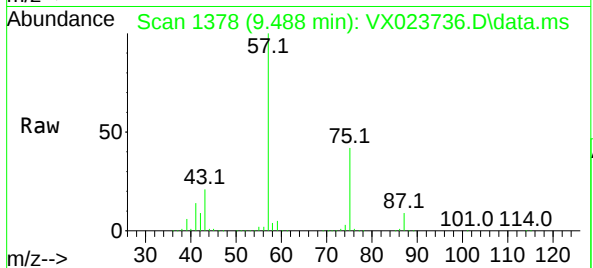


#57

1,3-Dichloropropane
Concen: 6.867 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Instrument :
MSVOA_X
ClientSampled :

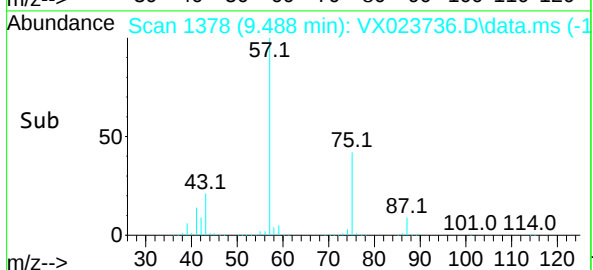
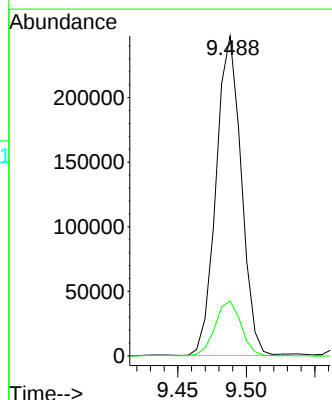
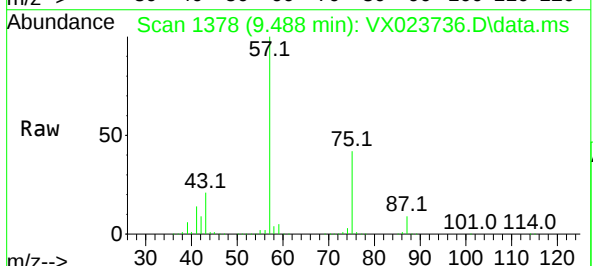
Tgt Ion: 76 Resp: 21210
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

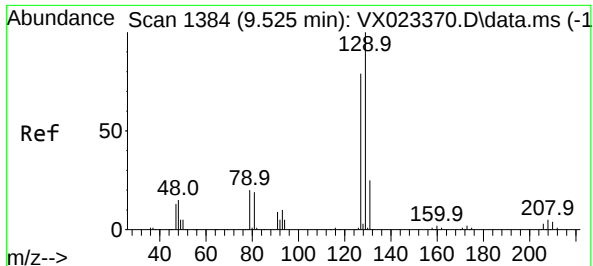


#59

2-Hexanone
Concen: 142.267 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion: 43 Resp: 315509
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#





#60

Dibromochloromethane

Concen: 2.012 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023736.D

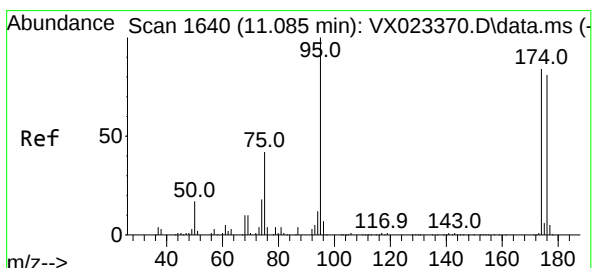
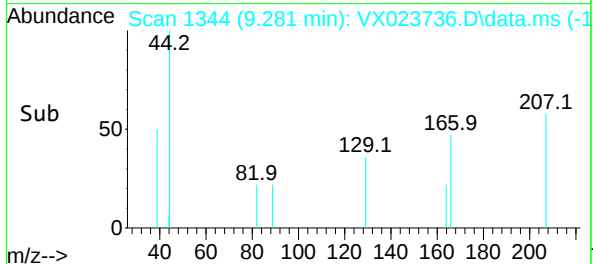
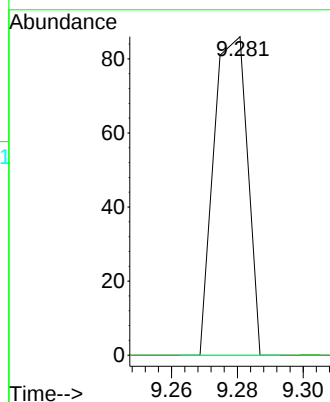
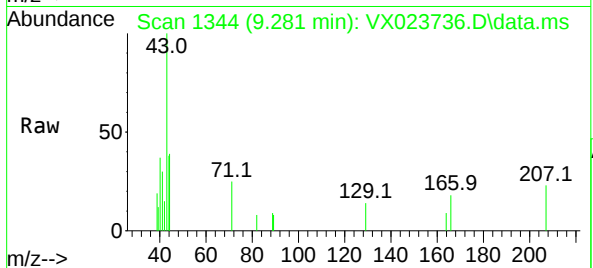
Acq: 16 Aug 2021 14:26

Tgt Ion:129 Resp: 61

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 53.624 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023736.D

Acq: 16 Aug 2021 14:26

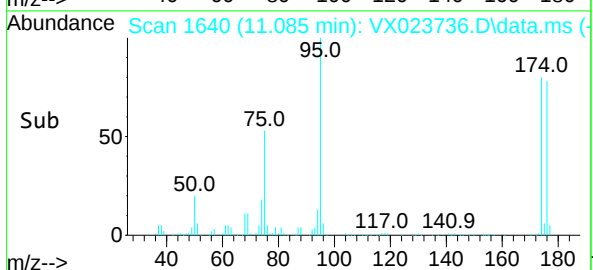
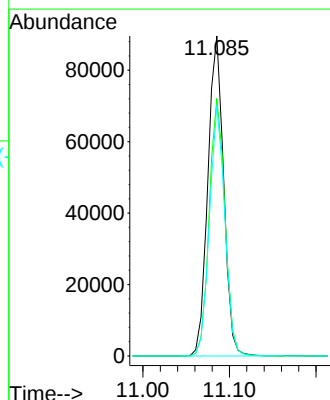
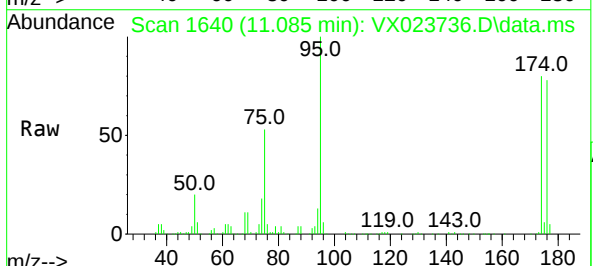
Tgt Ion: 95 Resp: 113162

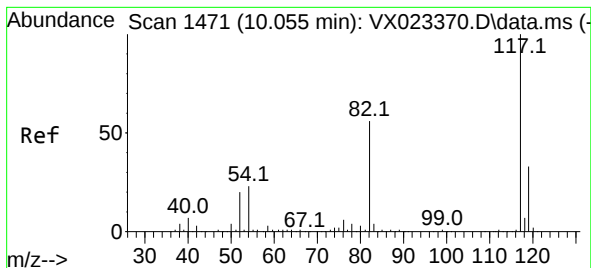
Ion Ratio Lower Upper

95 100

174 80.4 0.0 154.6

176 76.4 0.0 155.8

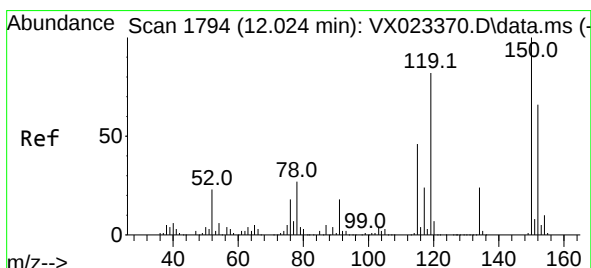
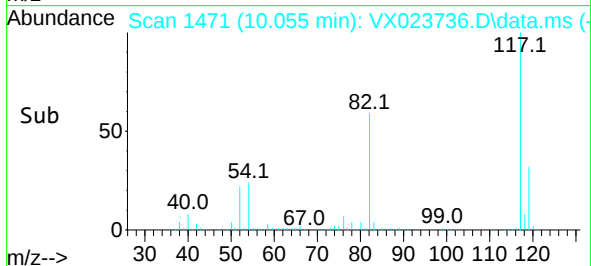
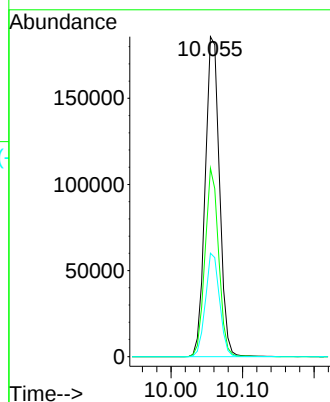
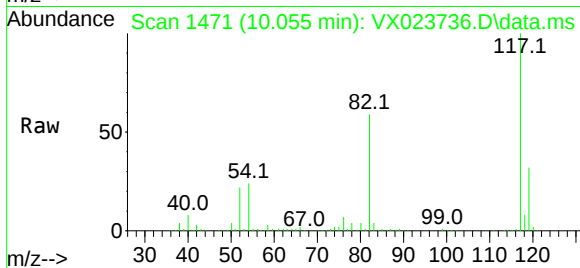




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

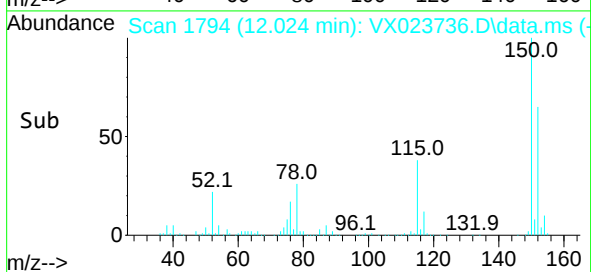
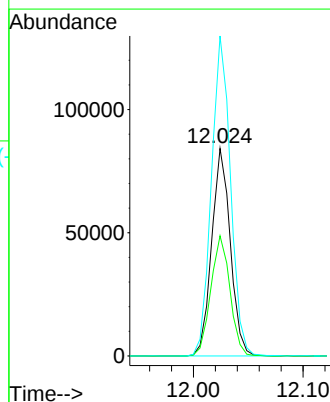
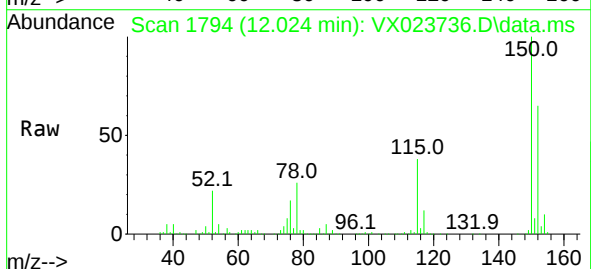
Instrument :
MSVOA_X
ClientSampled :

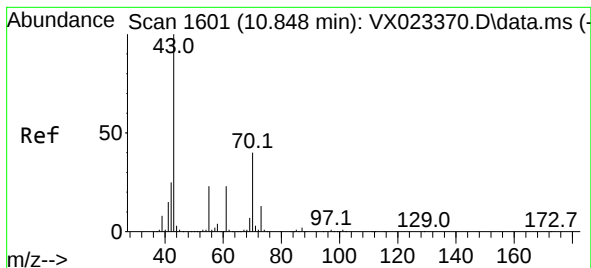
Tgt Ion:117 Resp: 258316
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

Tgt Ion:152 Resp: 99536
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 158.1 0.0 349.0

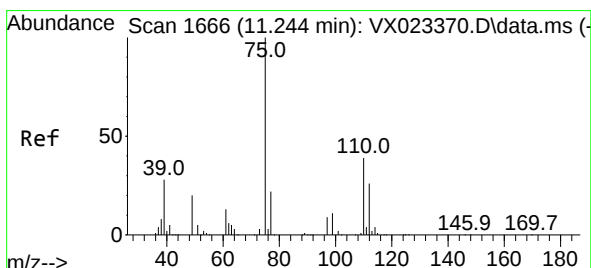
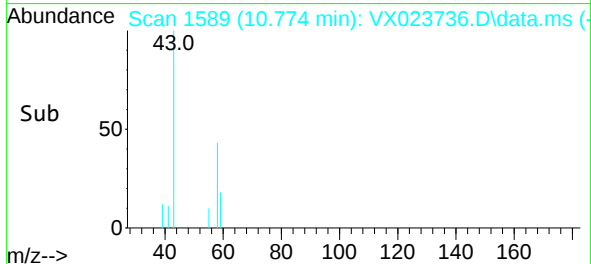
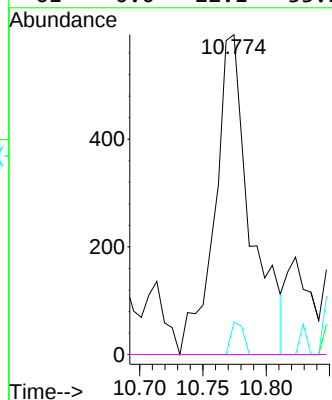
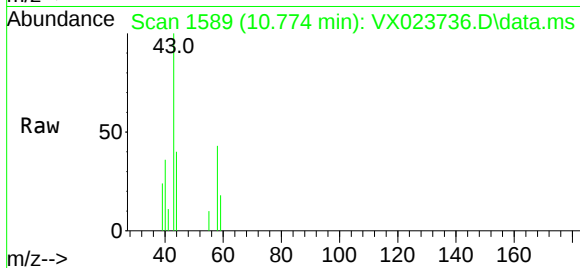




#74
N-amy1 acetate
Concen: 0.338 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

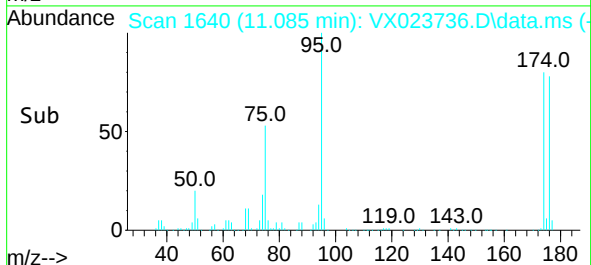
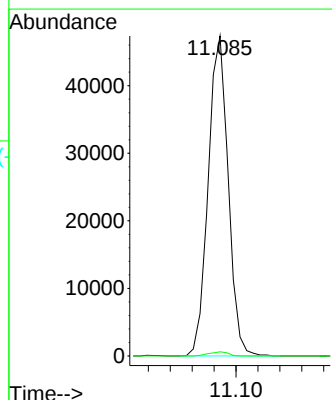
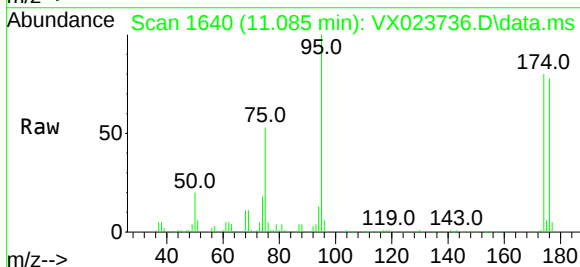
Instrument :
MSVOA_X
ClientSampled :

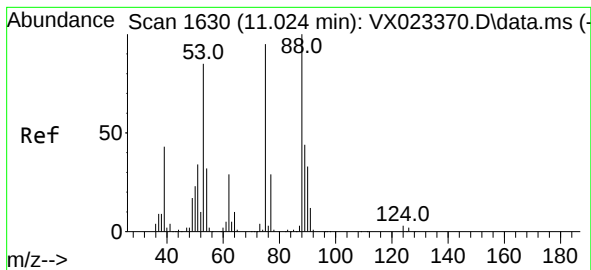
Tgt Ion: 43	Resp:	1158
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	3.5	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.368 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023736.D
Acq: 16 Aug 2021 14:26

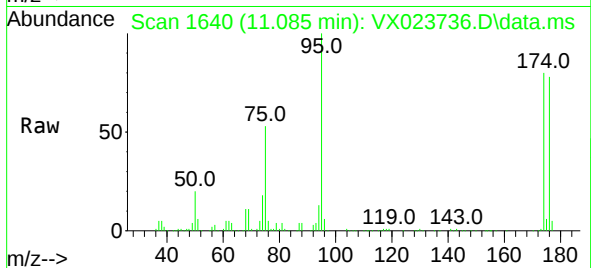
Tgt Ion: 75	Resp:	59945
Ion	Ratio	Lower Upper
75	100	
77	1.2	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.588 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023736.D
 Acq: 16 Aug 2021 14:26

Instrument :
 MSVOA_X
 ClientSampleId :



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

