

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023817.D
 Acq On : 18 Aug 2021 15:26
 Operator : JC/MD
 Sample : PB138522ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

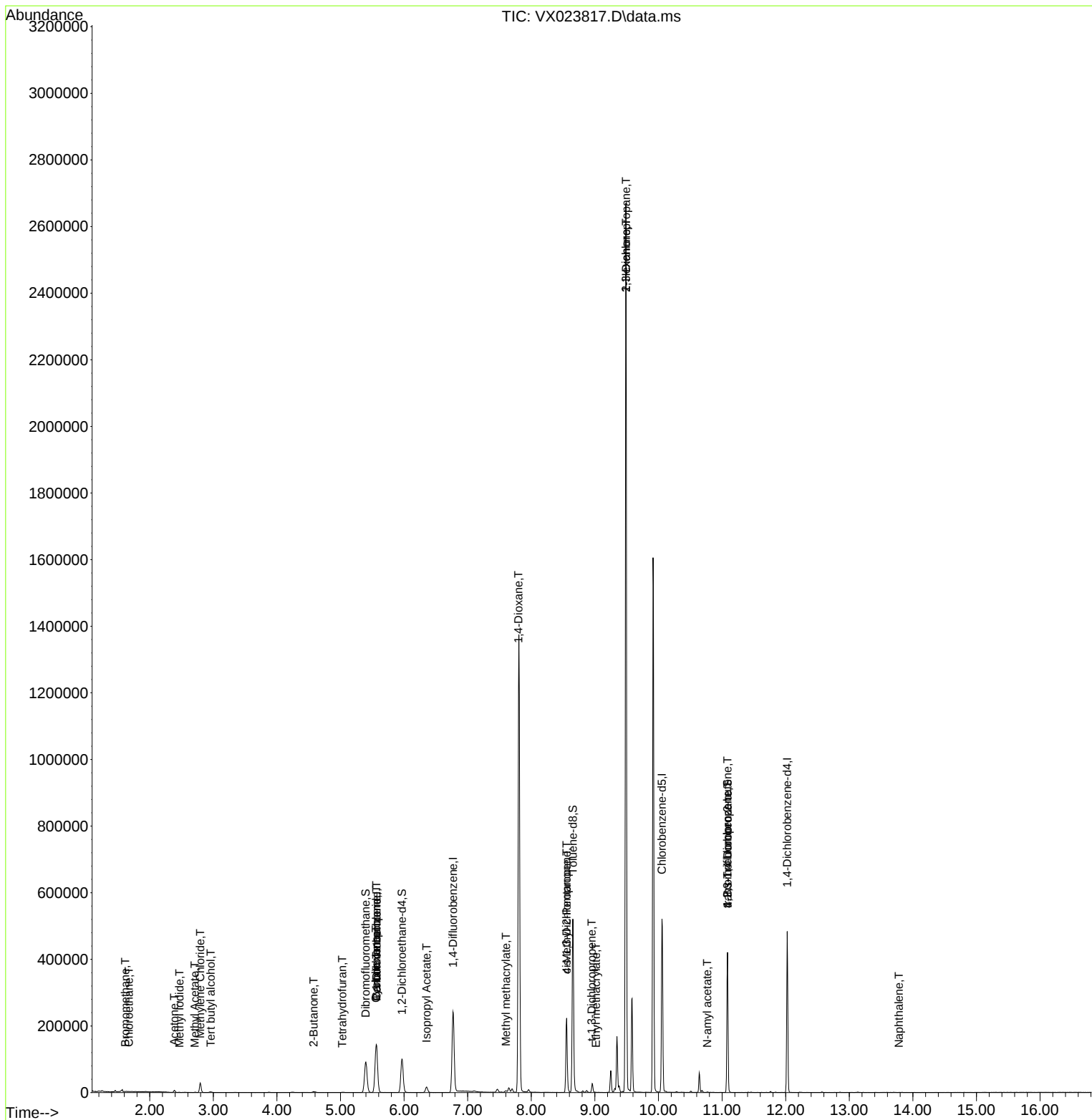
Quant Time: Aug 19 04:19:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	137414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238214	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99493	51.877	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.760%			
35) Dibromofluoromethane	5.397	113	78621	49.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.653	98	302589	50.424	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.840%			
62) 4-Bromofluorobenzene	11.085	95	102841	46.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.100%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	566	0.580	ug/l #	46
6) Chloroethane	1.672	64	174	2.346	ug/l #	43
10) Methyl Iodide	2.465	142	443	0.231	ug/l #	76
11) Tert butyl alcohol	2.959	59	1698	4.378	ug/l #	73
16) Acetone	2.386	43	7033	8.201	ug/l #	82
18) Methyl Acetate	2.709	43	1136	0.531	ug/l #	85
20) Methylene Chloride	2.794	84	12367	7.550	ug/l	87
25) 2-Butanone	4.574	43	3385	2.606	ug/l #	80
29) Tetrahydrofuran	5.025	42	319	0.379	ug/l #	56
31) Cyclohexane	5.556	56	3094	1.256	ug/l #	37
36) 1,1-Dichloropropene	5.562	75	11160	5.059	ug/l #	47
38) Carbon Tetrachloride	5.562	117	13695	5.953	ug/l #	16
43) Isopropyl Acetate	6.354	43	21749	5.128	ug/l	92
48) Methyl methacrylate	7.604	41	6878	3.324	ug/l #	10
49) 1,4-Dioxane	7.799	88	218	4.985	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78241	28.536	ug/l #	44
53) t-1,3-Dichloropropene	8.951	75	49	2.154	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	33038	12.503	ug/l #	71
56) Ethyl methacrylate	9.019	69	169	0.815	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	21854	7.572	ug/l #	43
59) 2-Hexanone	9.488	43	311951	148.013	ug/l #	43
74) N-amyl acetate	10.768	43	813	0.248	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	55209	24.925	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55209	73.318	ug/l #	12
95) Naphthalene	13.780	128	218	1.313	ug/l #	69

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

Quant Time: Aug 19 04:19:28 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

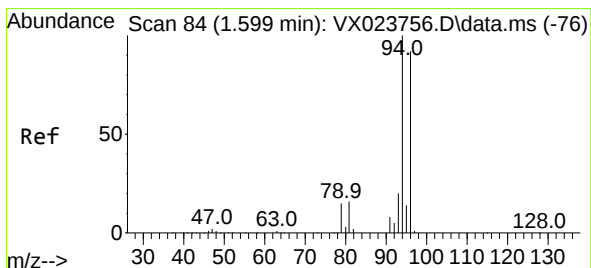
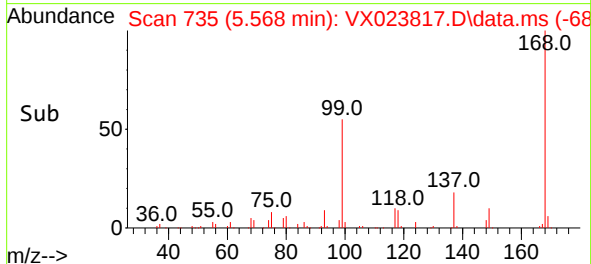
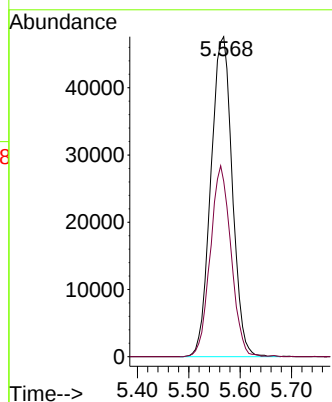
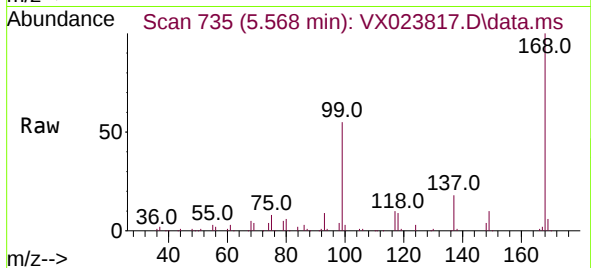




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

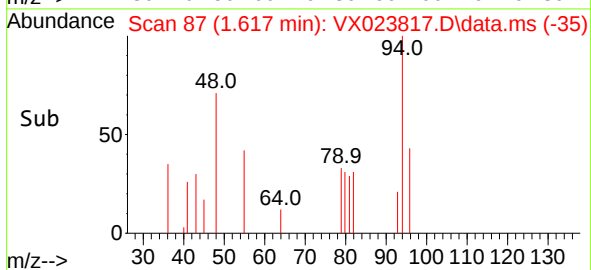
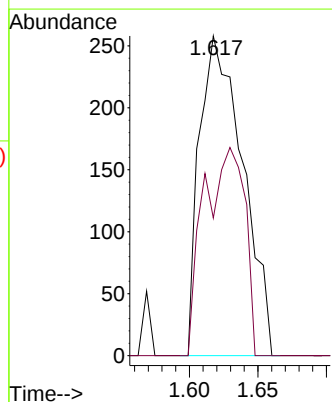
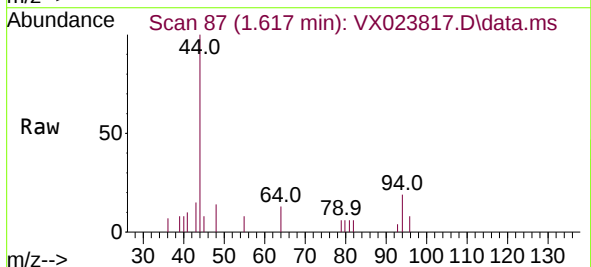
Instrument :
MSVOA_X
ClientSampleId :

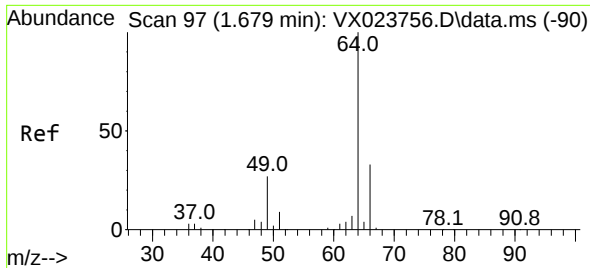
Tgt Ion:168 Resp: 137414
Ion Ratio Lower Upper
168 100
99 54.8 45.8 68.6



#5
Bromomethane
Concen: 0.580 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 94 Resp: 566
Ion Ratio Lower Upper
94 100
96 43.0 76.4 114.6#

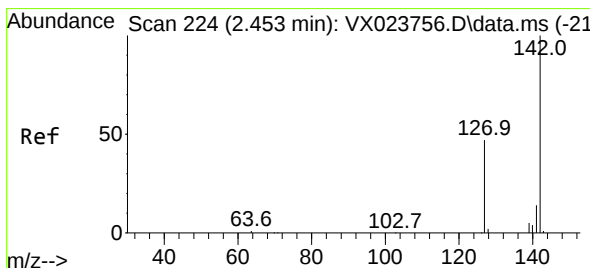
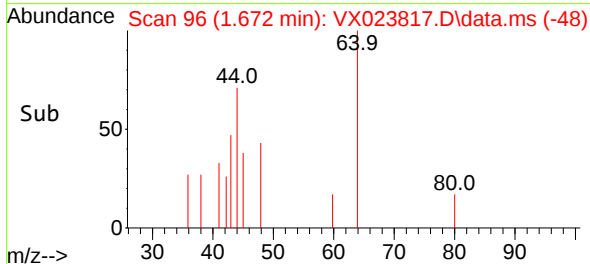
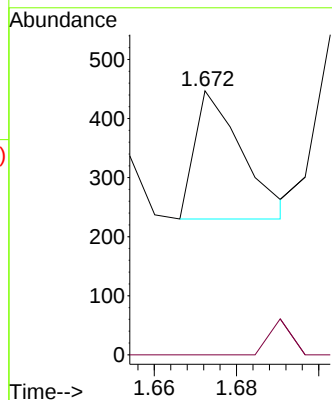
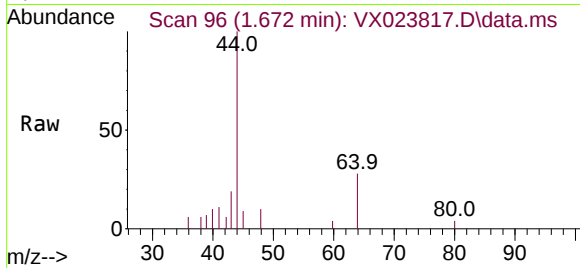




#6
Chloroethane
Concen: 2.346 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

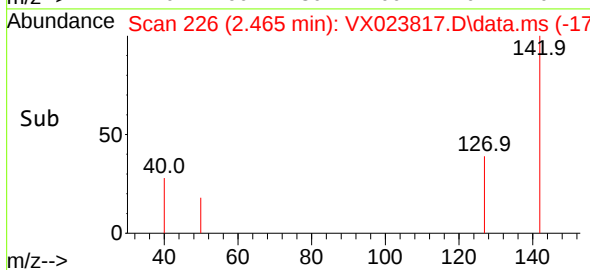
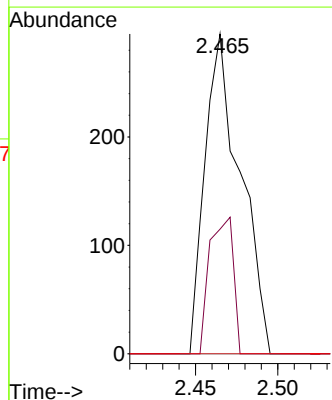
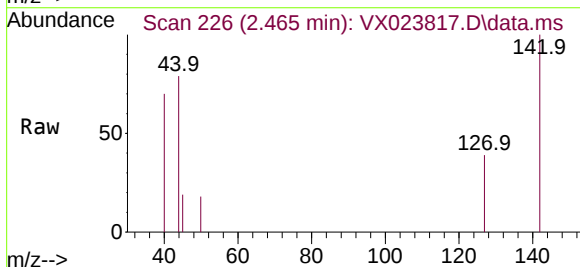
Instrument :
MSVOA_X
ClientSampled :

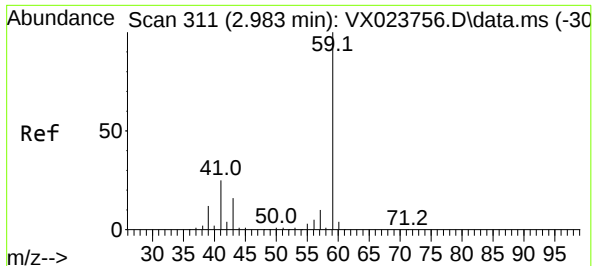
Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.231 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 142 Resp: 443
Ion Ratio Lower Upper
142 100
127 28.7 33.3 49.9#
141 0.0 11.4 17.0#



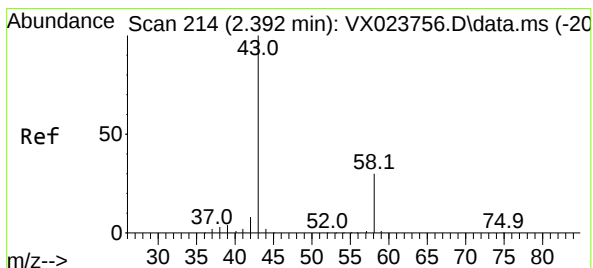
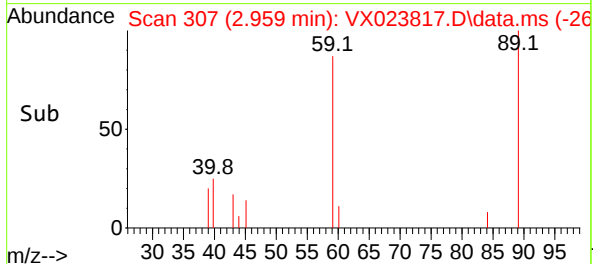
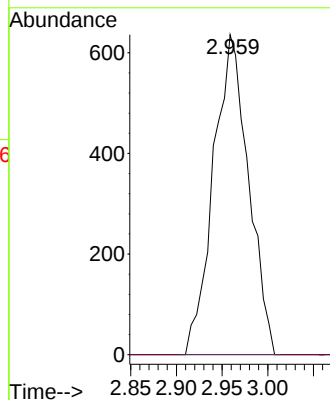
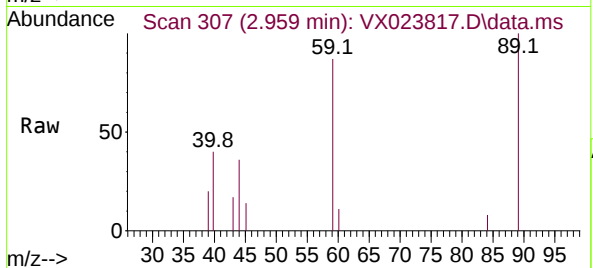


#11

Tert butyl alcohol
Concen: 4.378 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Instrument :
MSVOA_X
ClientSampled :

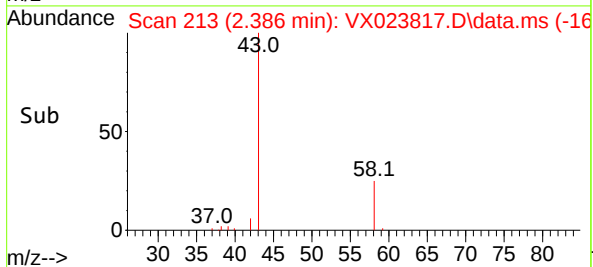
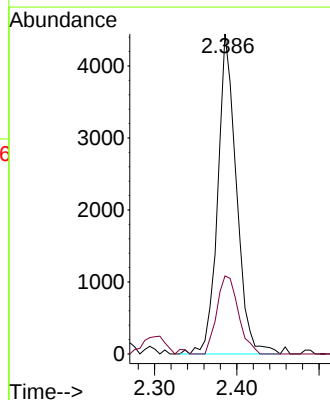
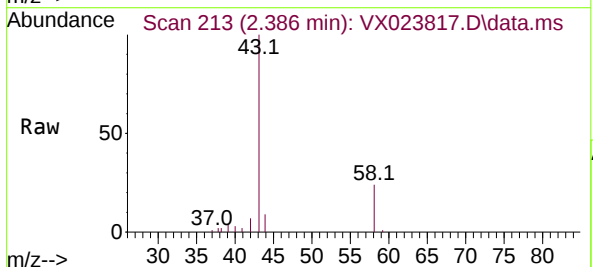
Tgt Ion: 59 Resp: 1698
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

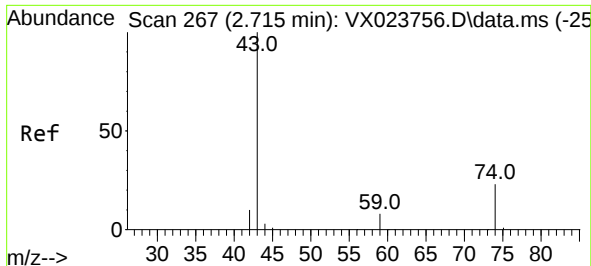


#16

Acetone
Concen: 8.201 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 43 Resp: 7033
Ion Ratio Lower Upper
43 100
58 24.4 27.8 41.8#

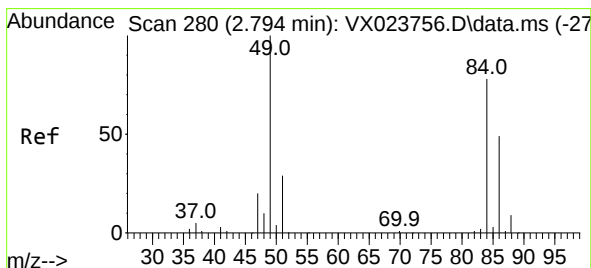
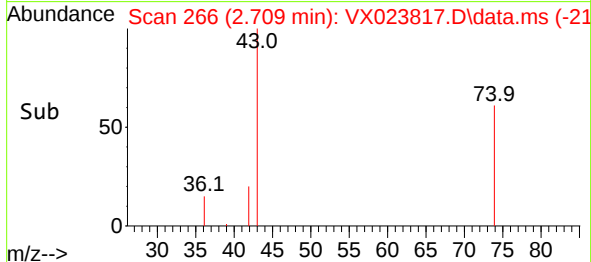
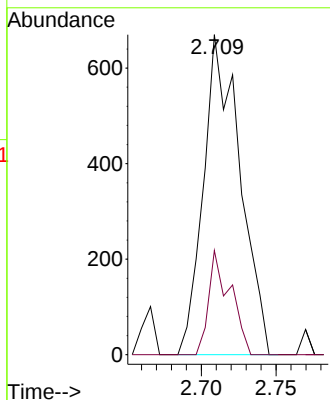
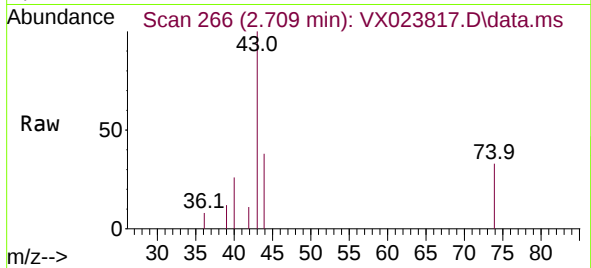




#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

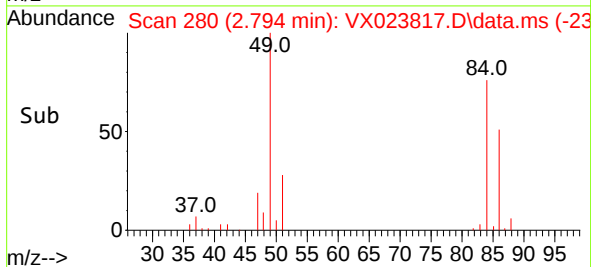
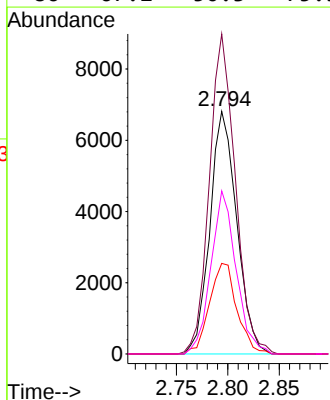
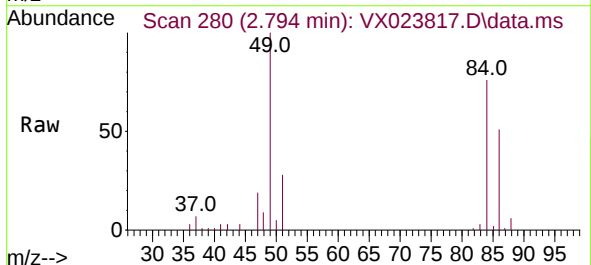
Instrument :
MSVOA_X
ClientSampled :

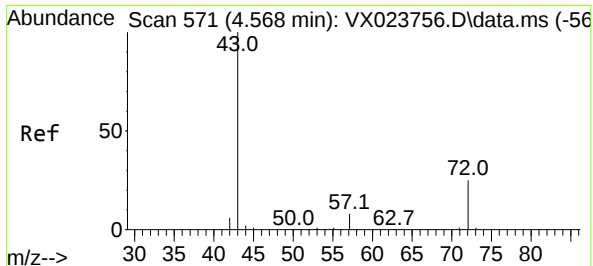
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 19.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.550 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 84 Resp: 12367
Ion Ratio Lower Upper
84 100
49 131.9 88.6 132.8
51 37.3 27.0 40.6
86 67.2 50.3 75.5





#25

2-Butanone

Concen: 2.606 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023817.D

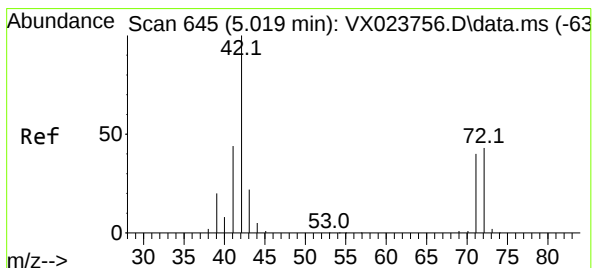
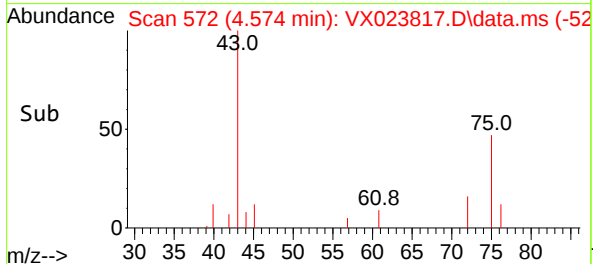
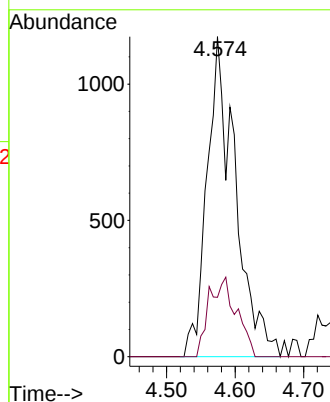
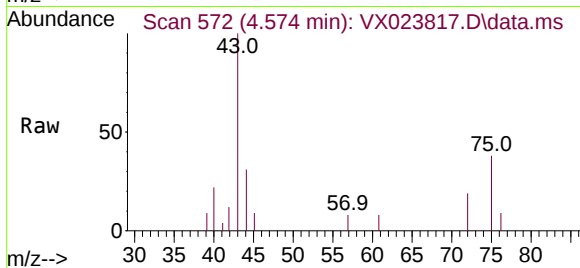
Acq: 18 Aug 2021 15:26

Tgt Ion: 43 Resp: 3385

Ion Ratio Lower Upper

43 100

72 18.6 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.379 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX023817.D

Acq: 18 Aug 2021 15:26

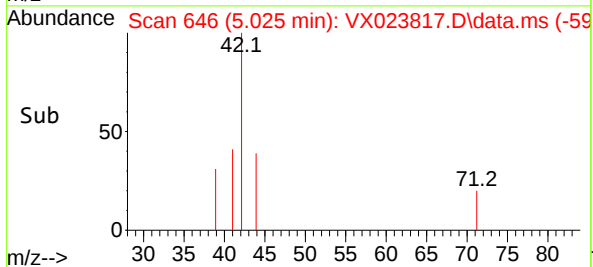
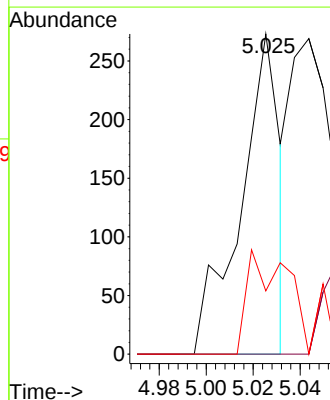
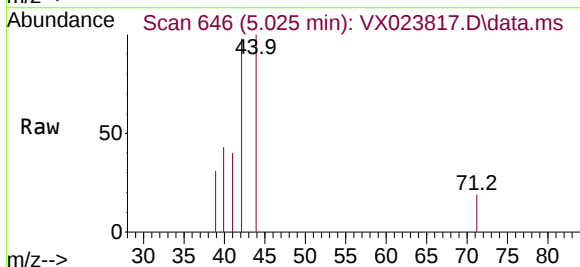
Tgt Ion: 42 Resp: 319

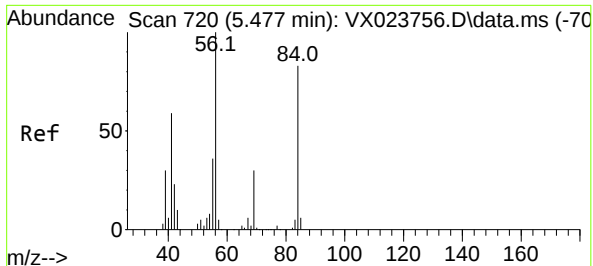
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 39.8 38.4 57.6

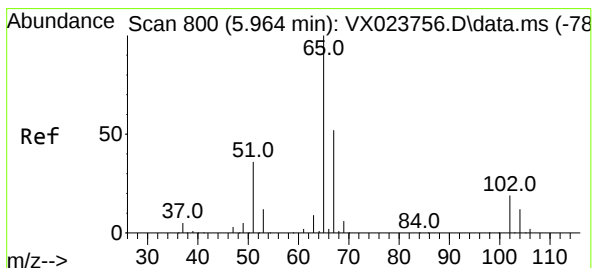
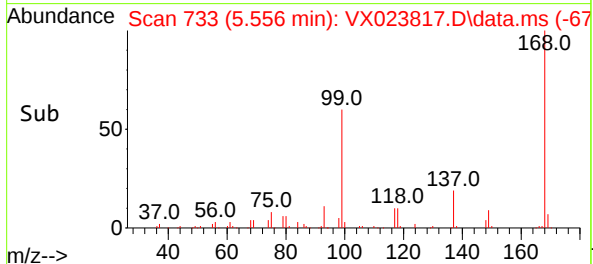
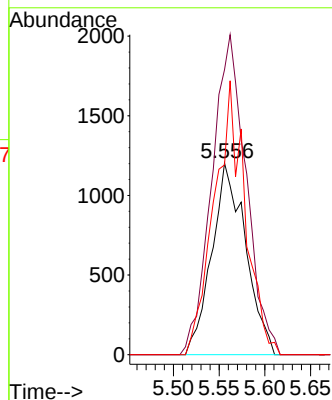
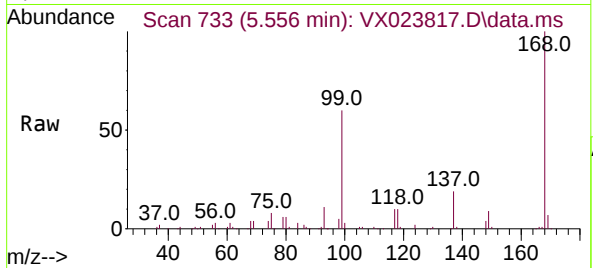




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

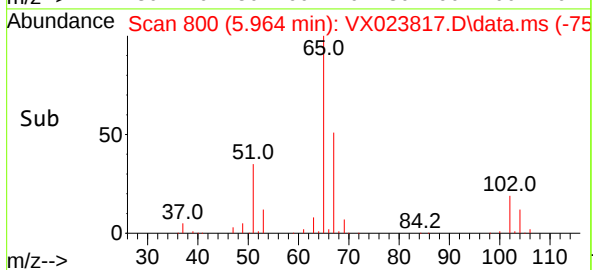
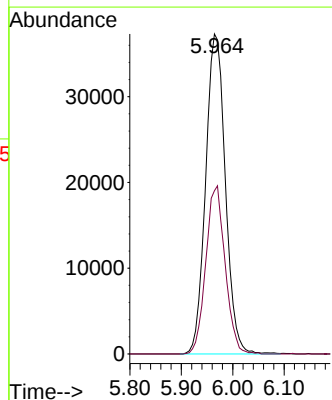
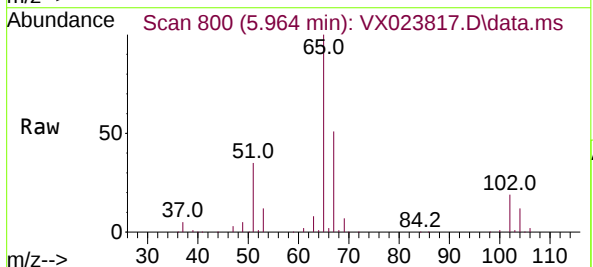
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MSVOA_X
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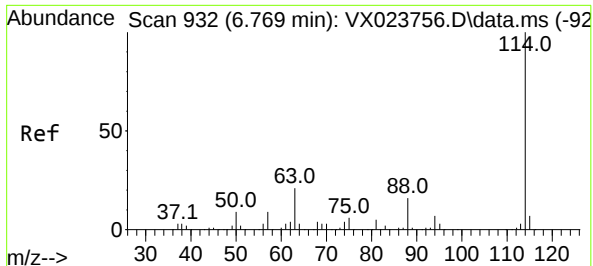
Tgt Ion: 56 Resp: 3094
Ion Ratio Lower Upper
56 100
69 148.6 25.3 37.9#
84 98.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.877 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 65 Resp: 99493
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

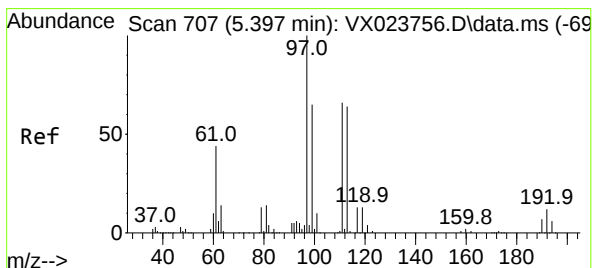
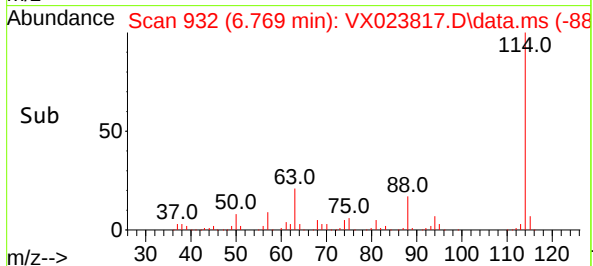
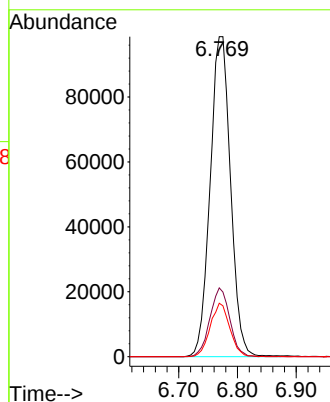
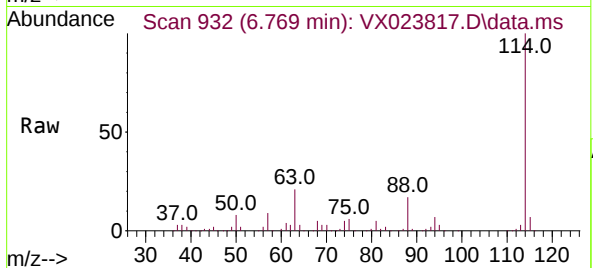




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

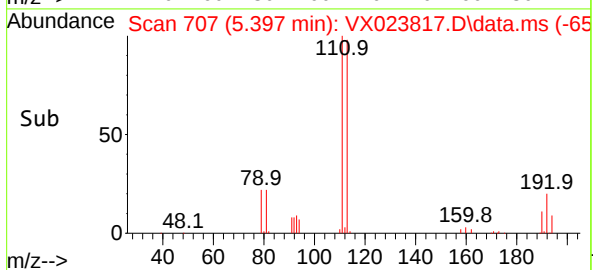
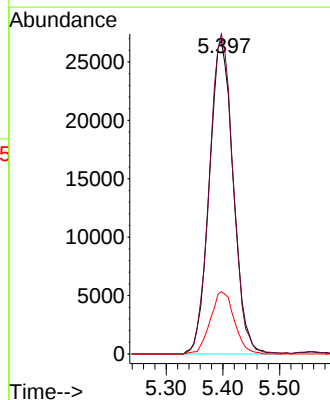
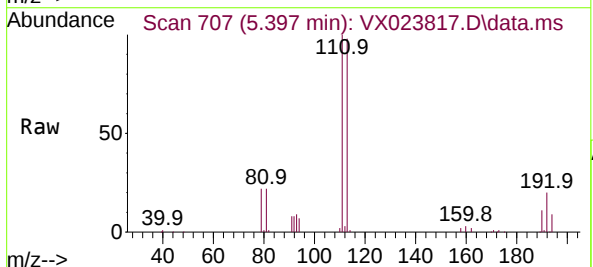
Instrument :
MSVOA_X
ClientSampleId :

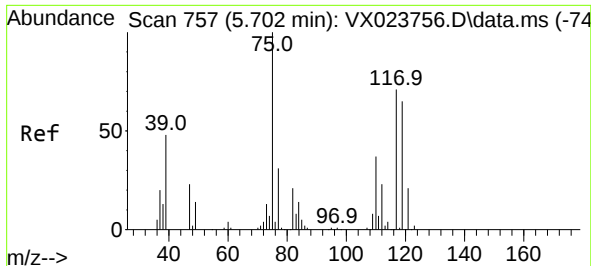
Tgt Ion:114 Resp: 238214
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.865 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion:113 Resp: 78621
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 19.9 16.7 25.1

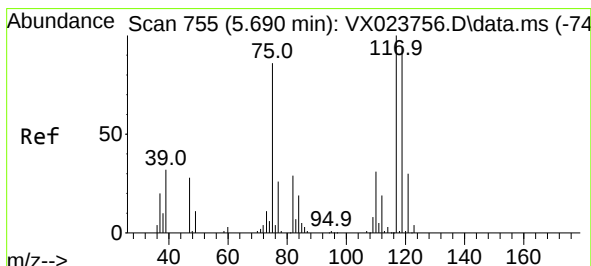
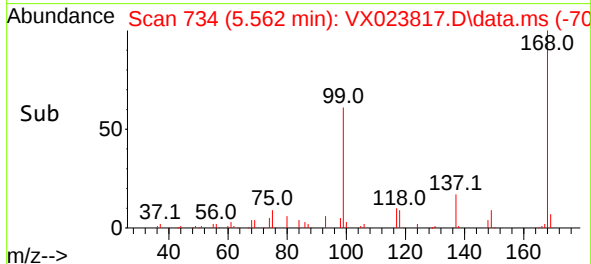
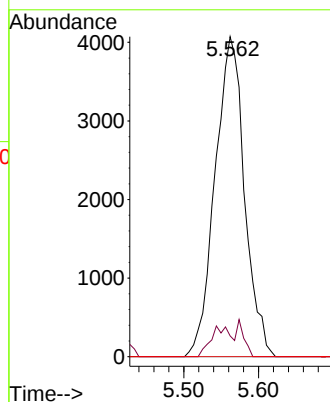
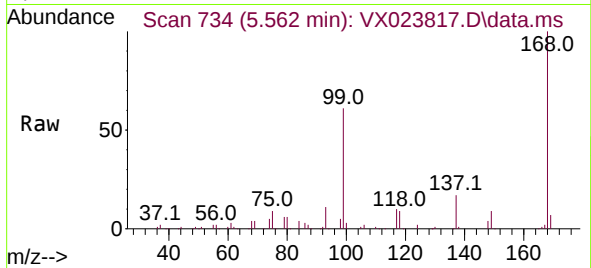




#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

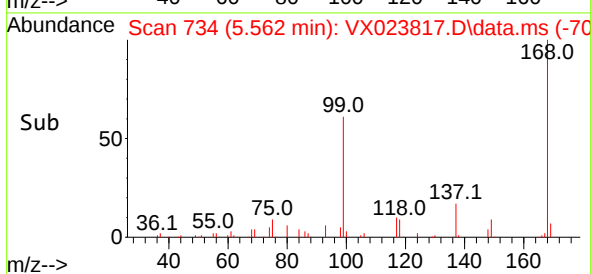
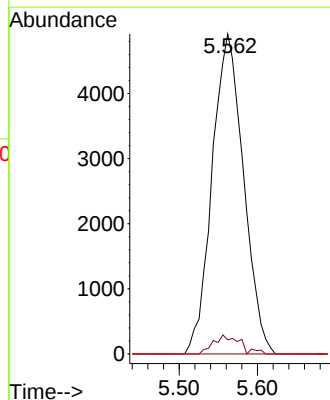
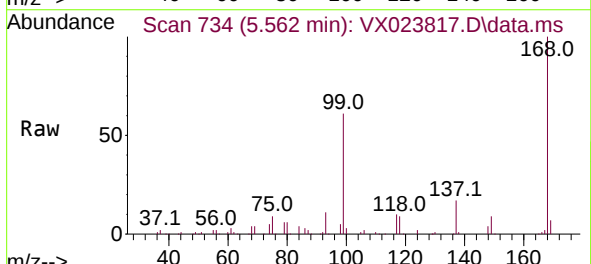
Instrument :
MSVOA_X
ClientSampleId :

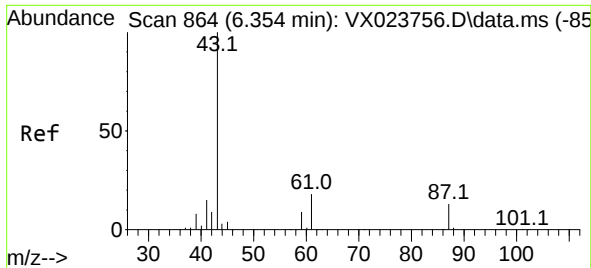
Tgt Ion: 75 Resp: 11160
Ion Ratio Lower Upper
75 100
110 6.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 117 Resp: 13695
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#

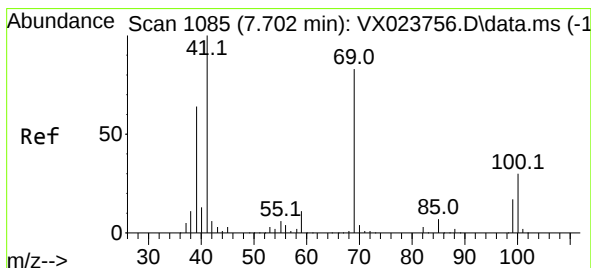
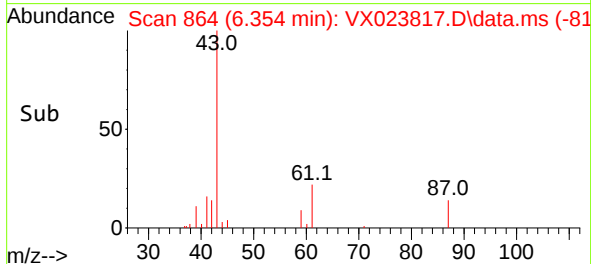
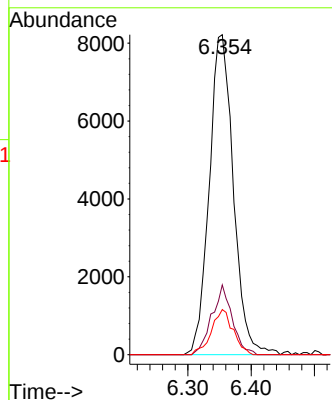
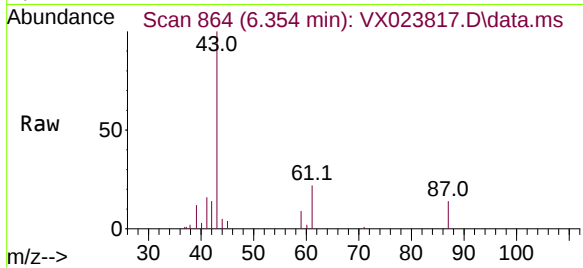




#43
Isopropyl Acetate
Concen: 5.128 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

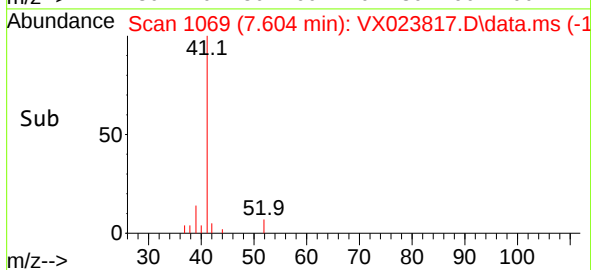
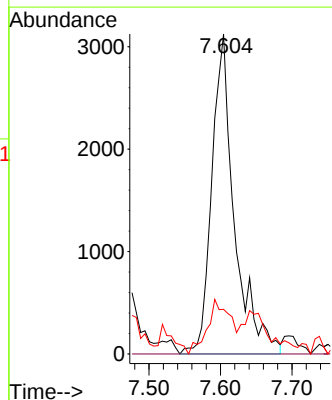
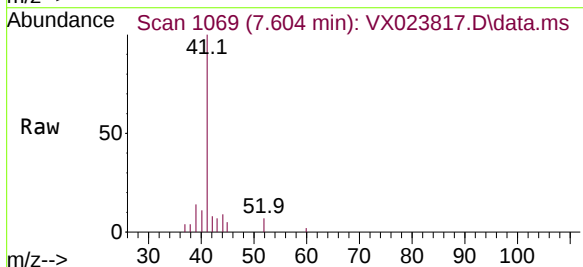
Instrument :
MSVOA_X
ClientSampleId :

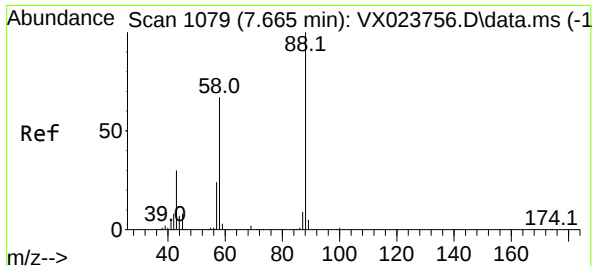
Tgt Ion:	43	Resp:	21749
Ion	Ratio	Lower	Upper
43	100		
61	18.4	18.2	27.4
87	12.7	12.5	18.7



#48
Methyl methacrylate
Concen: 3.324 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion:	41	Resp:	6878
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: 4.985 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023817.D

Acq: 18 Aug 2021 15:26

Tgt Ion: 88 Resp: 218

Ion Ratio Lower Upper

88 100

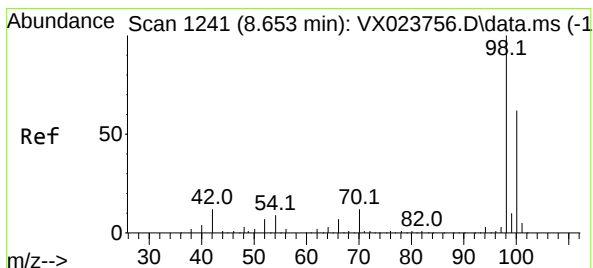
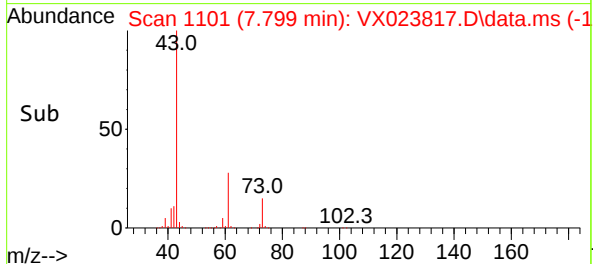
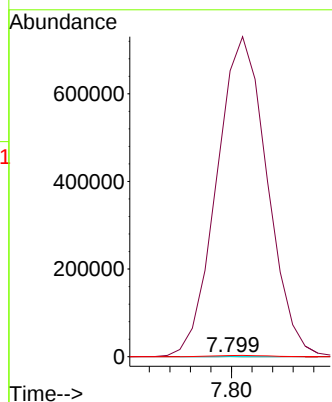
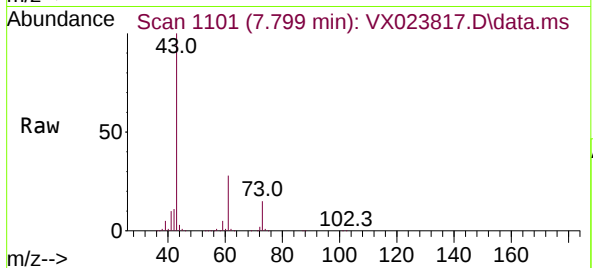
43 576171.1 23.2 34.8#

58 2458.7 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :



#50

Toluene-d8

Concen: 50.424 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023817.D

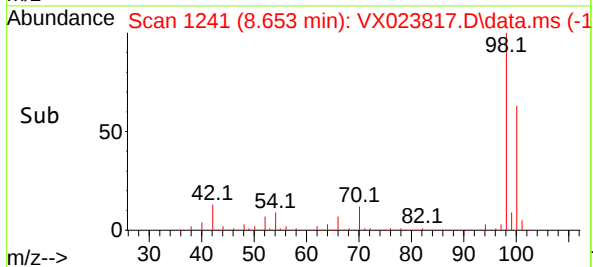
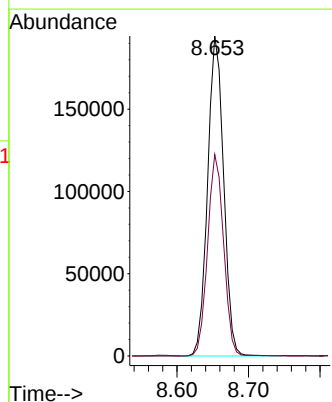
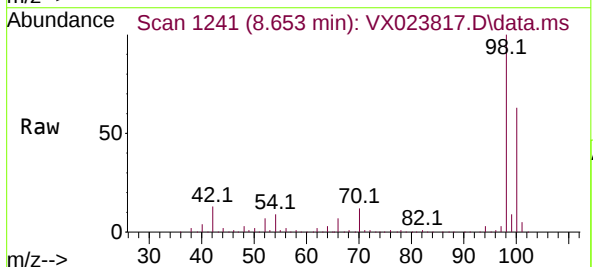
Acq: 18 Aug 2021 15:26

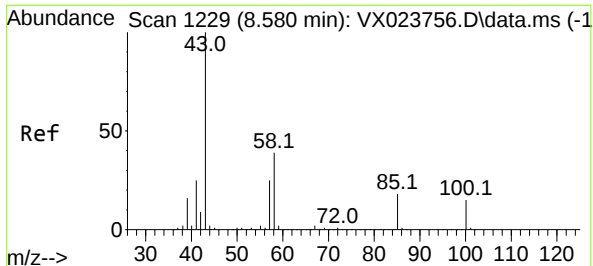
Tgt Ion: 98 Resp: 302589

Ion Ratio Lower Upper

98 100

100 63.0 51.9 77.9

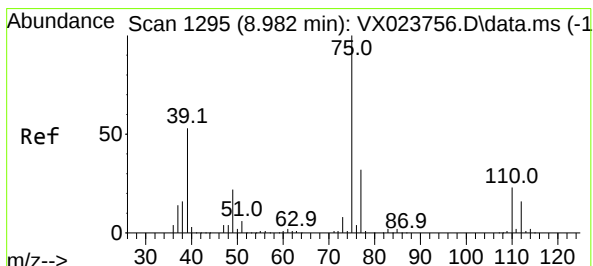
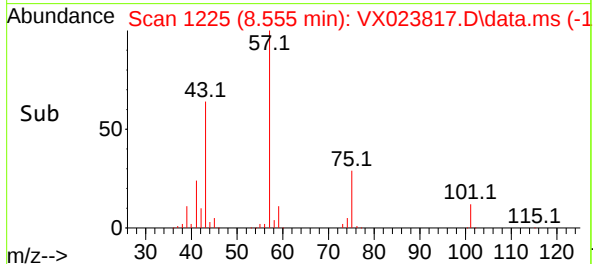
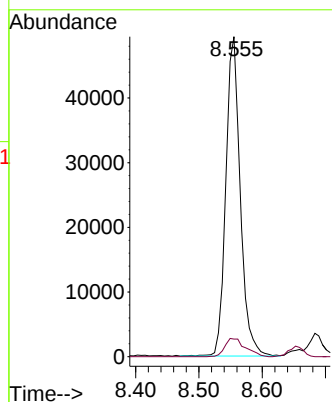
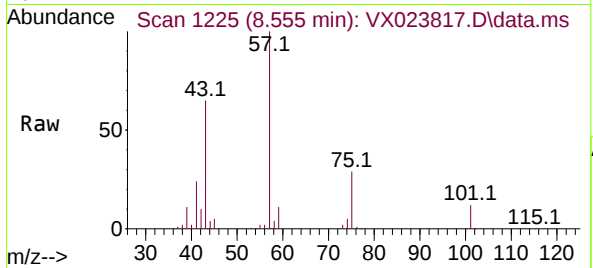




#51
4-Methyl-2-Pentanone
Concen: 28.536 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

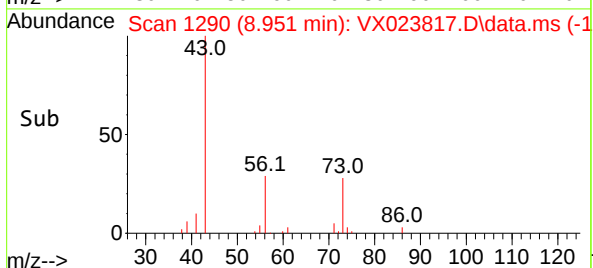
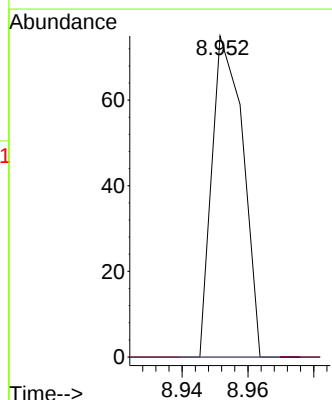
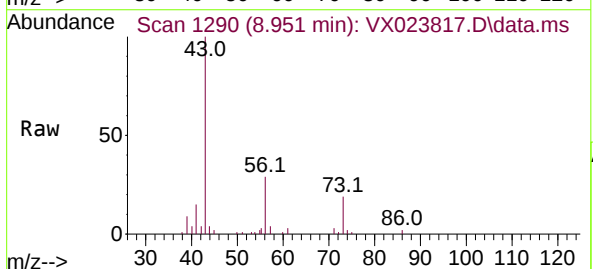
Instrument :
MSVOA_X
ClientSampled :

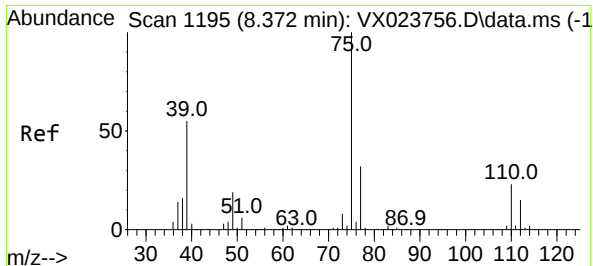
Tgt Ion: 43 Resp: 78241
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.154 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

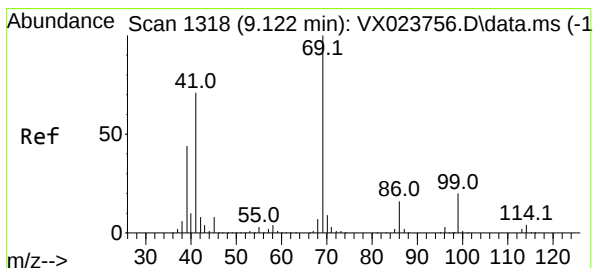
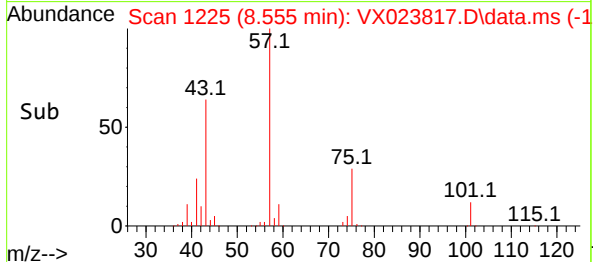
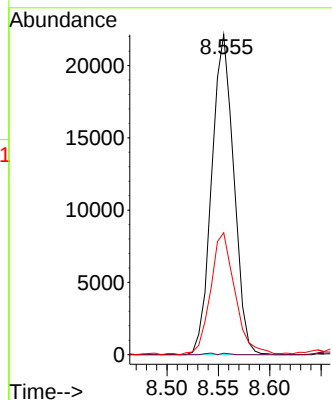
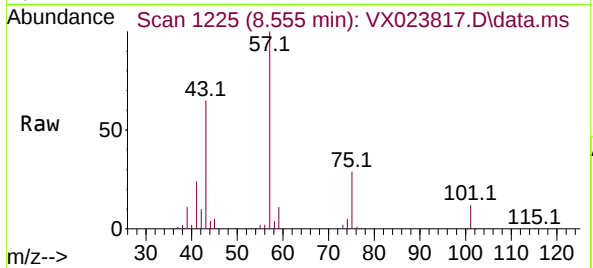




#54
cis-1,3-Dichloropropene
Concen: 12.503 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

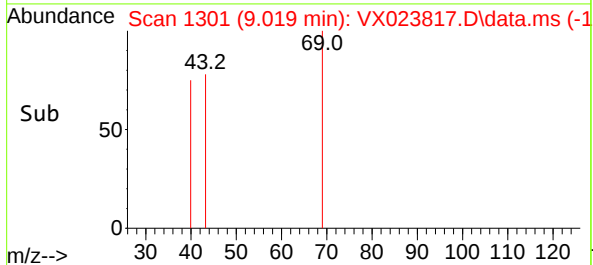
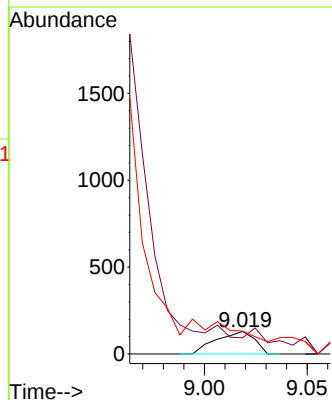
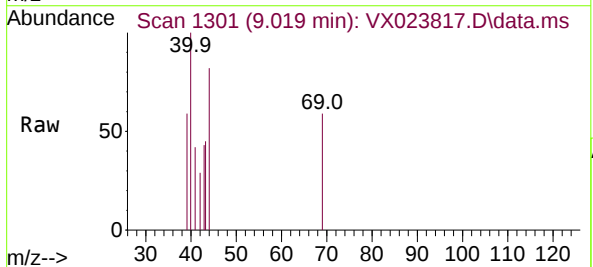
Instrument :
MSVOA_X
ClientSampled :

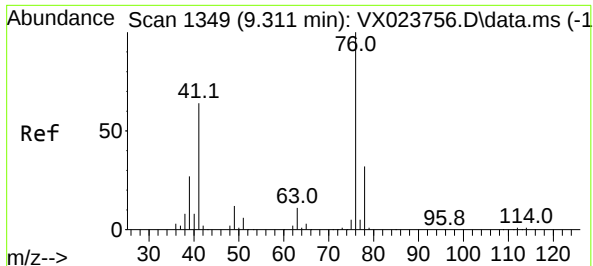
Tgt Ion: 75 Resp: 33038
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 38.1 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.815 ug/l
RT: 9.019 min Scan# 1301
Delta R.T. -0.103 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 69 Resp: 169
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



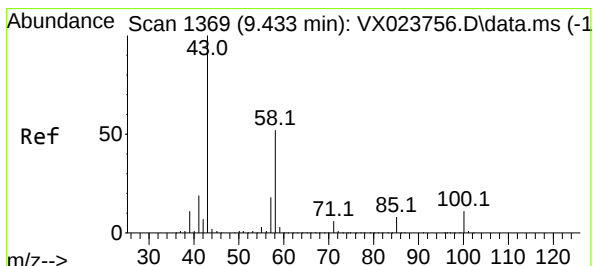
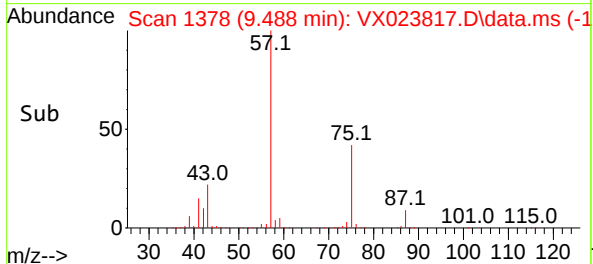
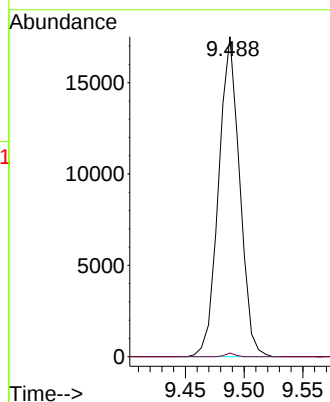
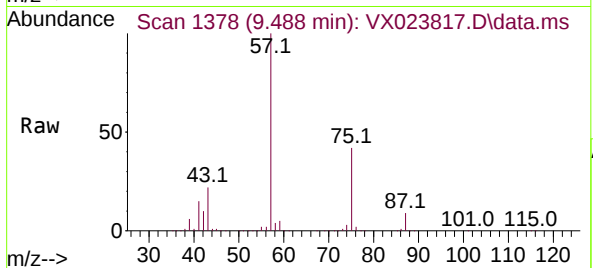


#57

1,3-Dichloropropane
Concen: 7.572 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Instrument :
MSVOA_X
ClientSampleId :

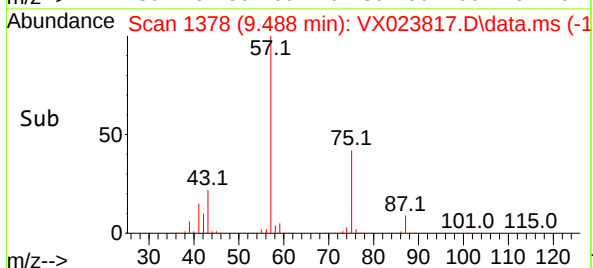
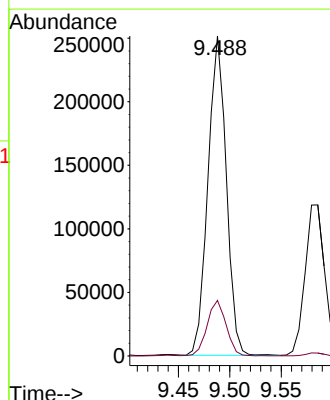
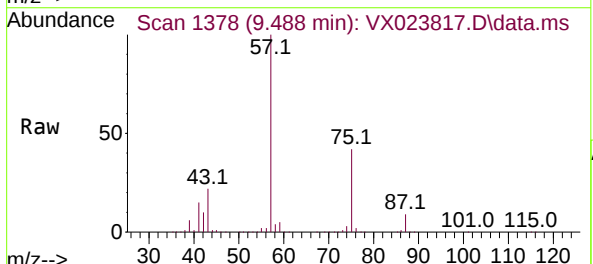
Tgt Ion: 76 Resp: 21854
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

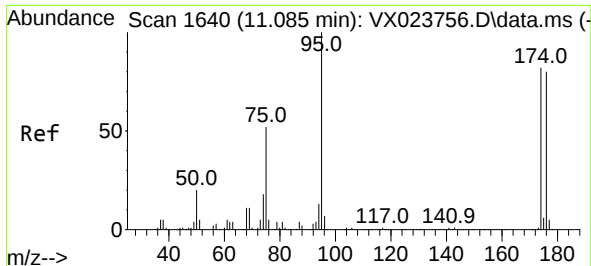


#59

2-Hexanone
Concen: 148.013 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 43 Resp: 311951
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#

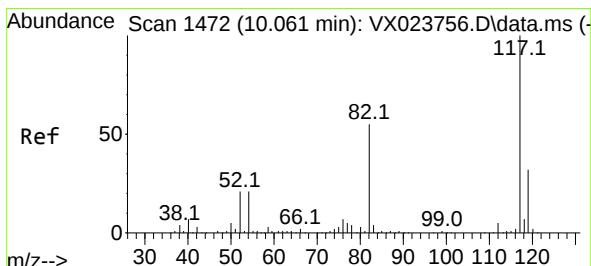
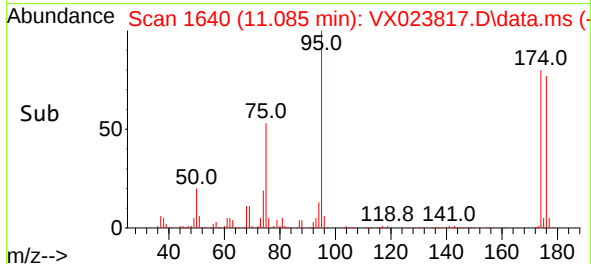
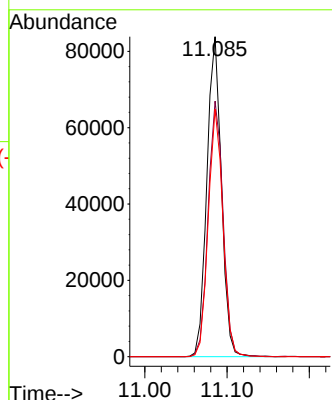
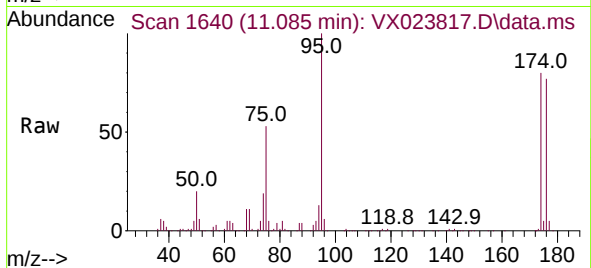




#62
4-Bromofluorobenzene
Concen: 46.553 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

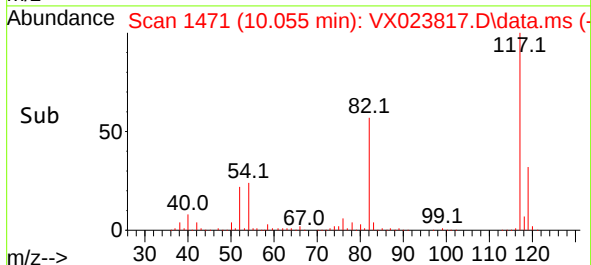
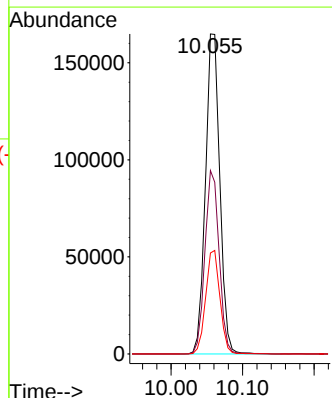
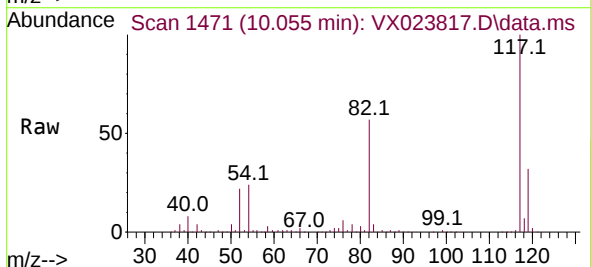
Instrument :
MSVOA_X
ClientSampleId :

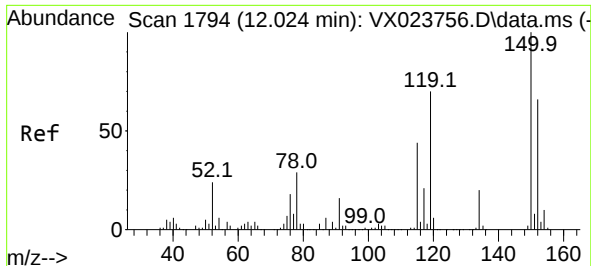
Tgt Ion: 95 Resp: 102841
Ion Ratio Lower Upper
95 100
174 82.7 0.0 154.6
176 78.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 117 Resp: 230276
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.6 26.6 39.8

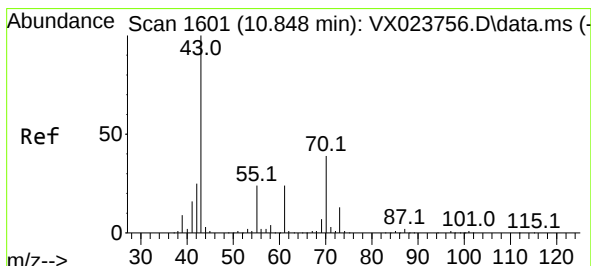
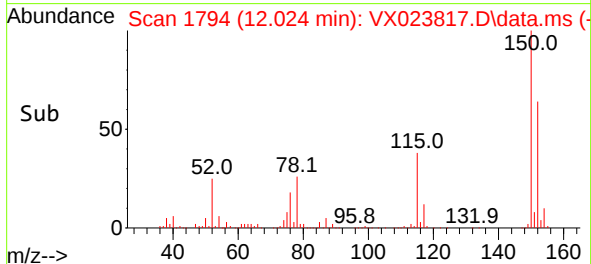
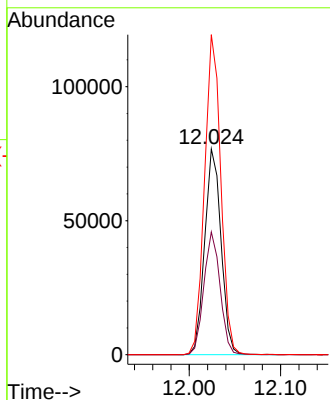
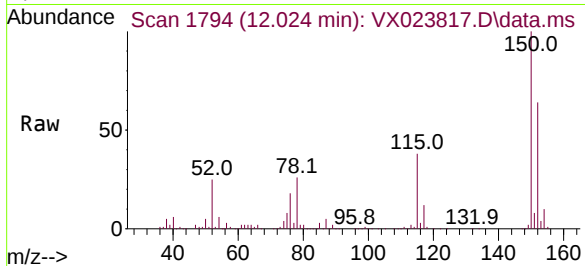




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

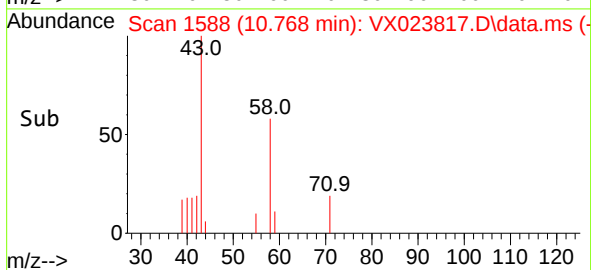
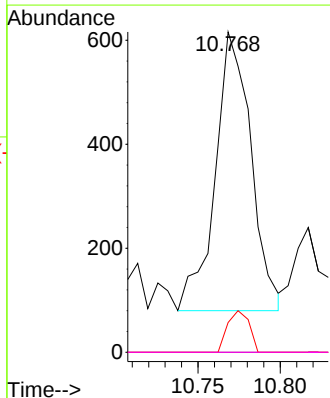
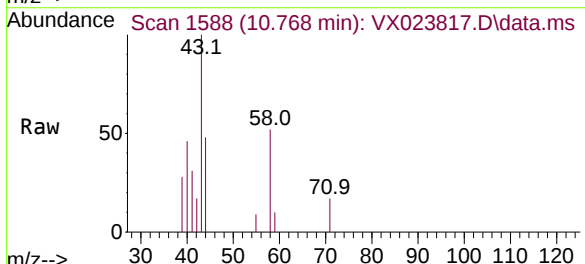
Instrument :
MSVOA_X
ClientSampled :

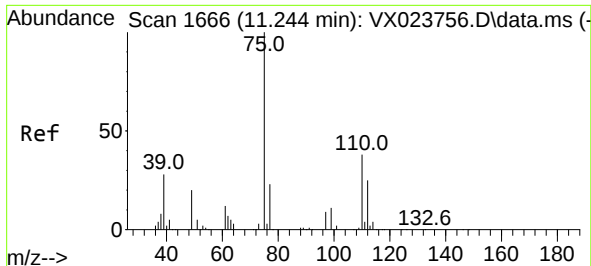
Tgt Ion:152 Resp: 94953
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 154.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.248 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 9.0 21.5 32.3#
61 0.0 22.1 33.1#

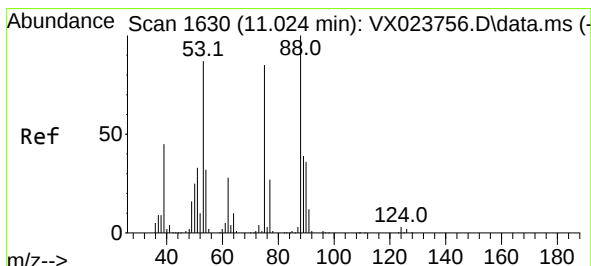
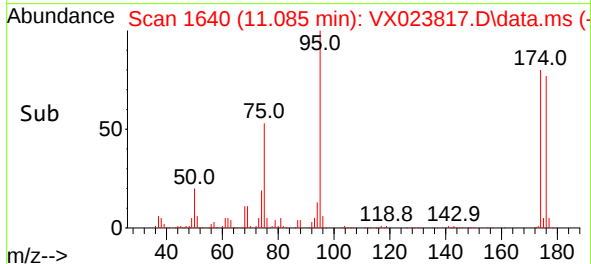
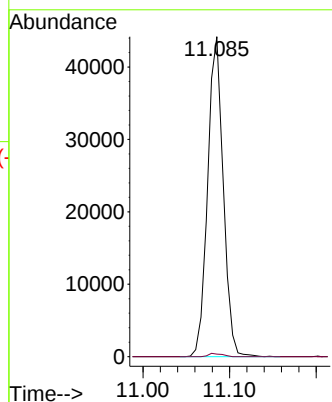
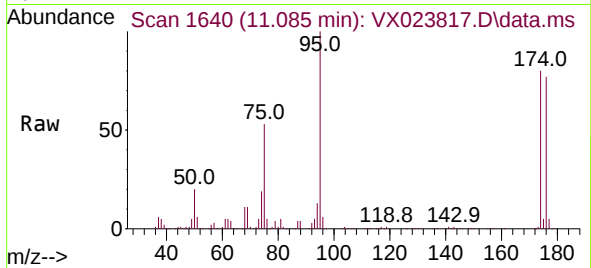




#76
1,2,3-Trichloropropane
Concen: 24.925 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

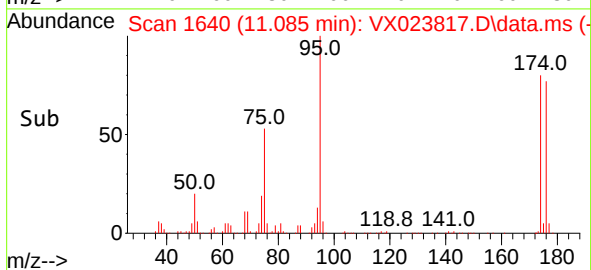
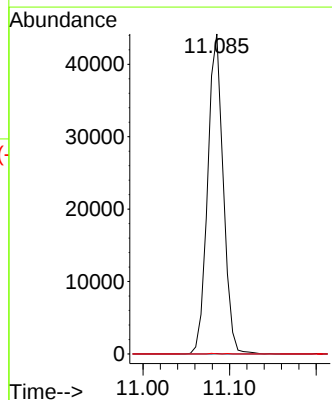
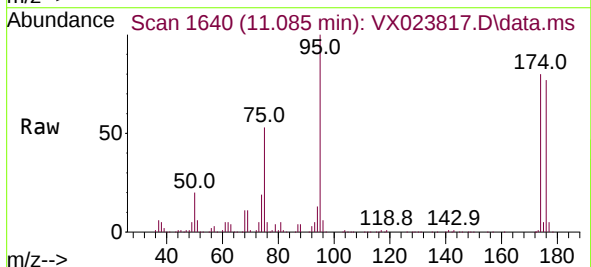
Instrument :
MSVOA_X
ClientSampled :

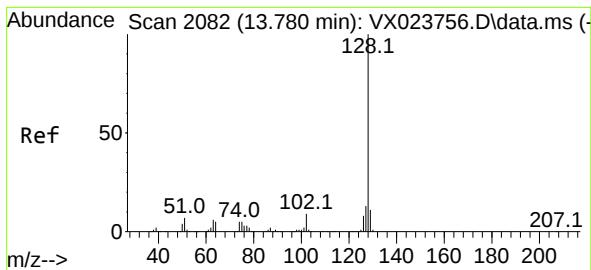
Tgt Ion: 75 Resp: 55209
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.318 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

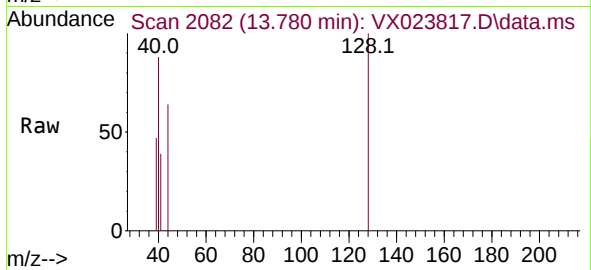
Tgt Ion: 75 Resp: 55209
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.313 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023817.D
Acq: 18 Aug 2021 15:26

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	218
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

