

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021336.D
 Acq On : 20 Mar 2021 09:00
 Operator : JC/MD
 Sample : M1735-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 00:52:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

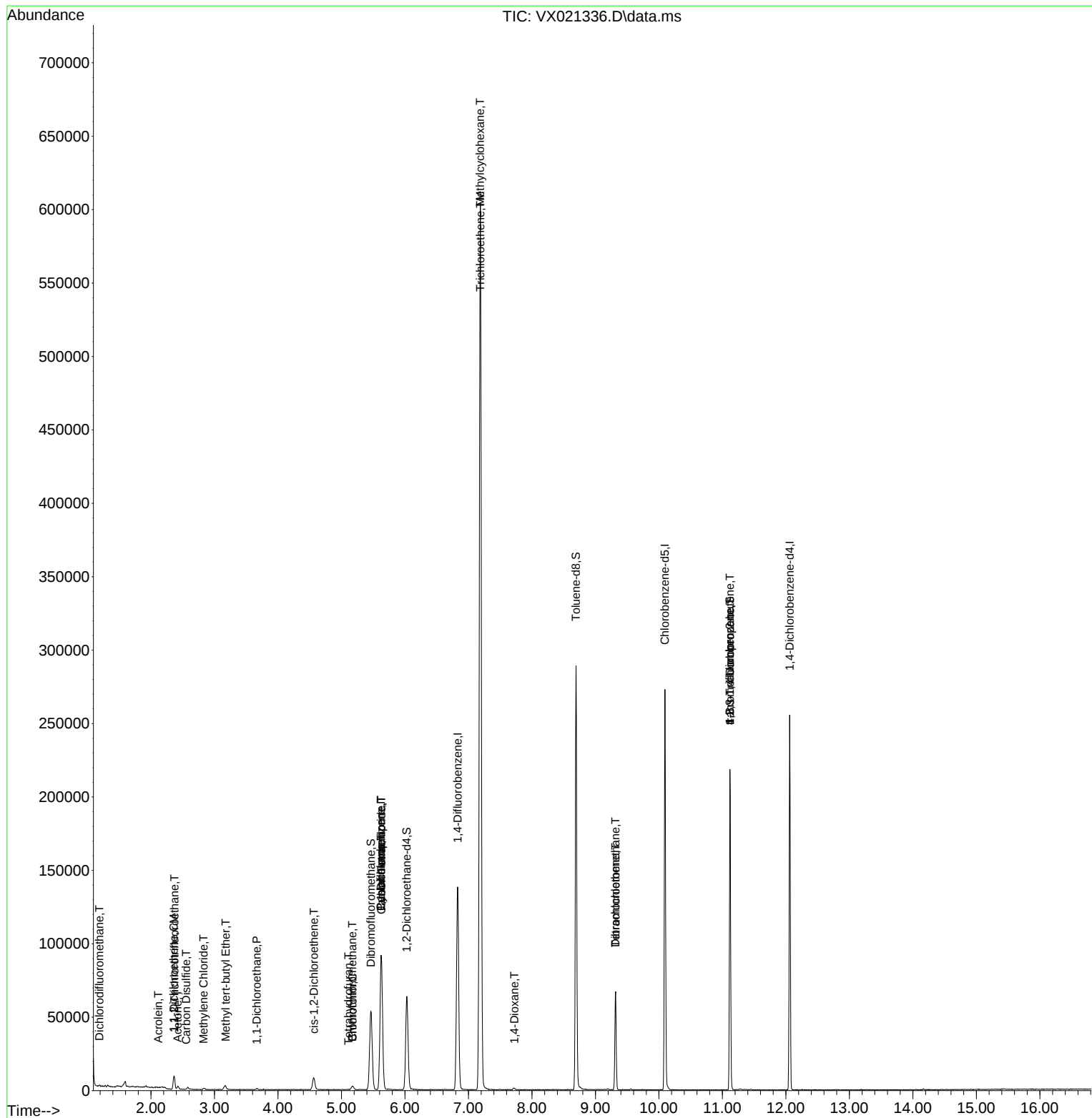
Internal Standards						
1) Pentafluorobenzene	5.623	168	79553	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.829	114	130555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	45401	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63251	48.48	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.96%
35) Dibromofluoromethane	5.464	113	44914	50.56	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.12%
50) Toluene-d8	8.694	98	157976	49.01	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.02%
62) 4-Bromofluorobenzene	11.118	95	55342	44.21	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.42%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	253	0.27	ug/l	99
3) Chloromethane	1.317	50	1708	Below Cal	#	84
9) 1,1,2-Trichlorotrifluo...	2.370	101	2822	3.39	ug/l	95
12) 1,1-Dichloroethene	2.358	96	696	0.86	ug/l #	93
13) Acrolein	2.117	56	70	3.65	ug/l #	1
16) Acetone	2.417	43	1730	3.60	ug/l #	87
17) Carbon Disulfide	2.552	76	111	0.58	ug/l #	75
19) Methyl tert-butyl Ether	3.176	73	2892	0.95	ug/l	91
20) Methylene Chloride	2.829	84	399	0.40	ug/l #	75
24) 1,1-Dichloroethane	3.664	63	875	0.50	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	4868	4.68	ug/l	94
28) Bromochloromethane	5.170	49	237	0.29	ug/l #	9
29) Tetrahydrofuran	5.111	42	186	0.38	ug/l #	27
30) Chloroform	5.176	83	2796	1.55	ug/l	85
31) Cyclohexane	5.623	56	2187	1.39	ug/l #	14
36) 1,1-Dichloropropene	5.623	75	7415	5.64	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8899	6.51	ug/l #	16
39) Methylcyclohexane	7.182	83	2933	2.01	ug/l #	1
44) Trichloroethene	7.188	130	213634	221.86	ug/l	92
49) 1,4-Dioxane	7.723	88	717	20.79	ug/l #	79
60) Dibromochloromethane	9.318	129	11400	10.91	ug/l #	11
64) Tetrachloroethene	9.318	164	11332	13.46	ug/l	96
76) 1,2,3-Trichloropropane	11.118	75	31070	29.50	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31070	80.10	ug/l #	12

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

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ClientSampleId :

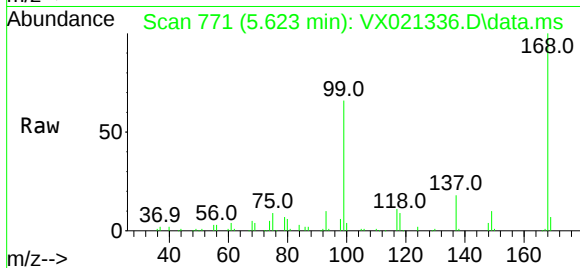
Quant Time: Mar 22 00:52:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
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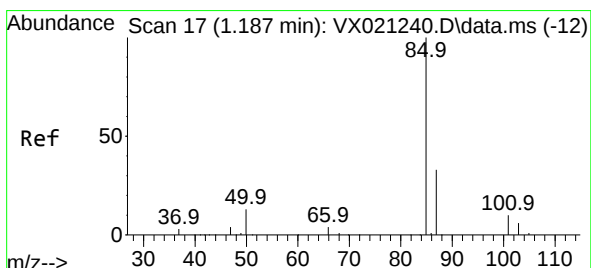
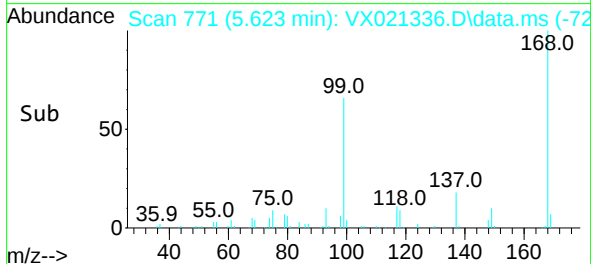
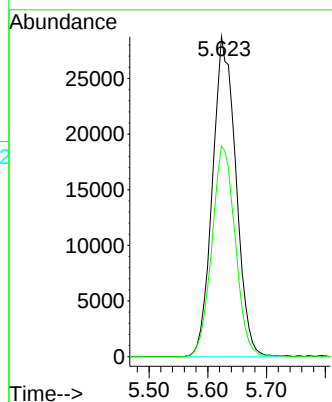


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.012 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Instrument :
MSVOA_X
ClientSampleId :

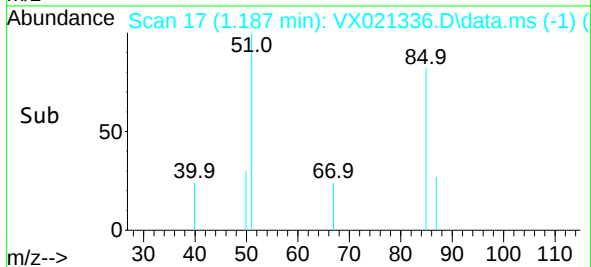
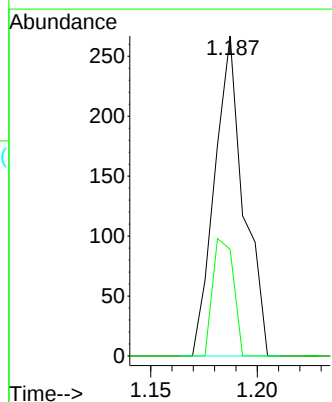
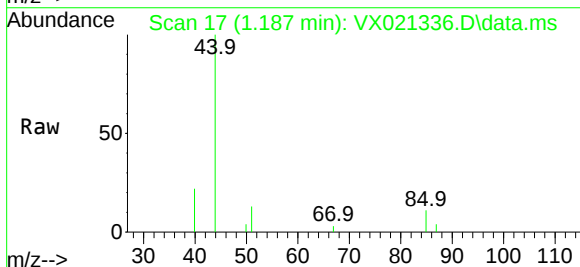


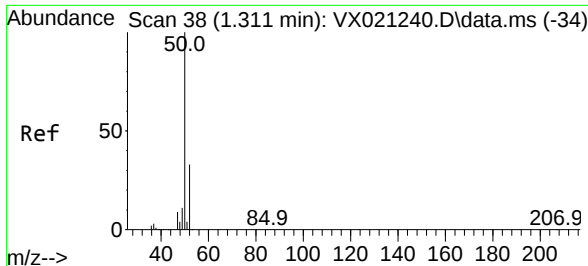
Tgt Ion:168 Resp: 79553
Ion Ratio Lower Upper
168 100
99 65.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.27 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

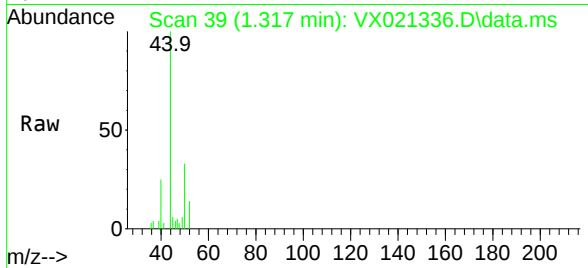
Tgt Ion: 85 Resp: 253
Ion Ratio Lower Upper
85 100
87 33.3 16.4 49.2



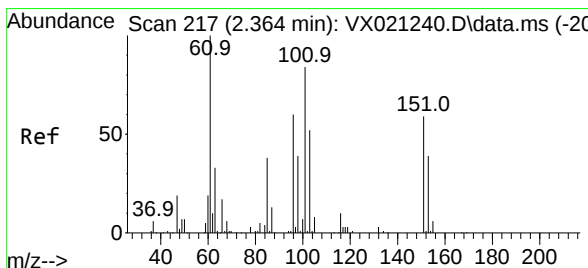
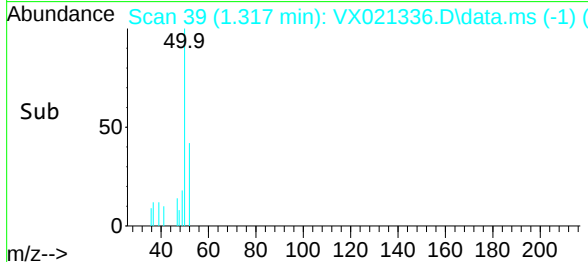
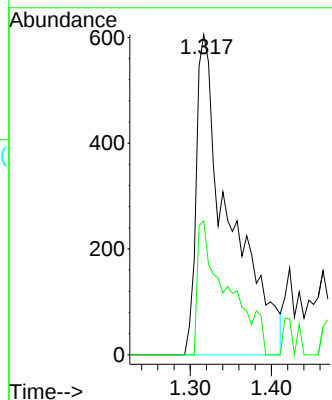


#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Instrument :
MSVOA_X
ClientSampled :

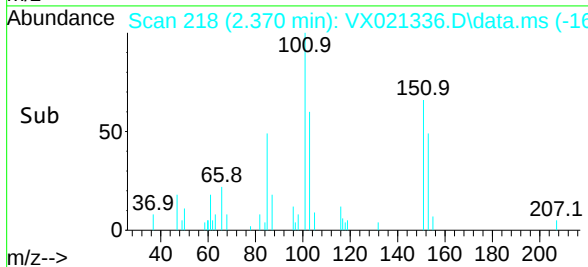
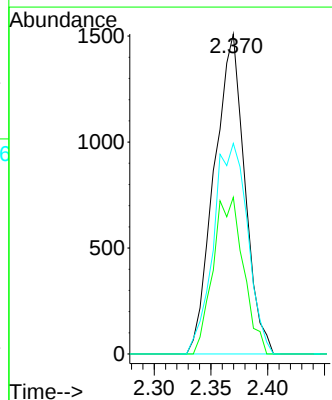
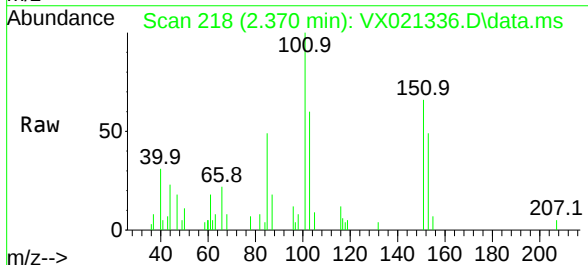


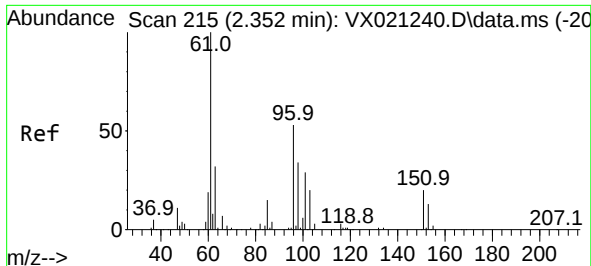
Tgt Ion: 50 Resp: 1708
Ion Ratio Lower Upper
50 100
52 41.8 26.4 39.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.39 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Tgt Ion: 101 Resp: 2822
Ion Ratio Lower Upper
101 100
85 48.7 34.9 52.3
151 73.8 61.4 92.2

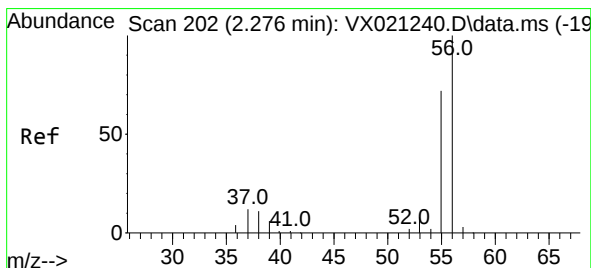
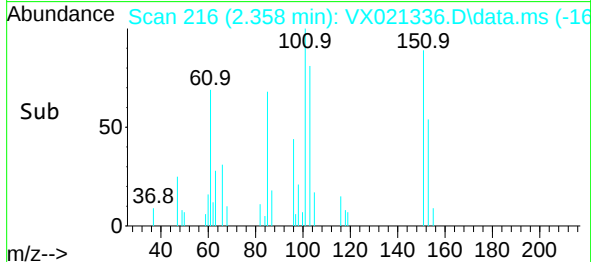
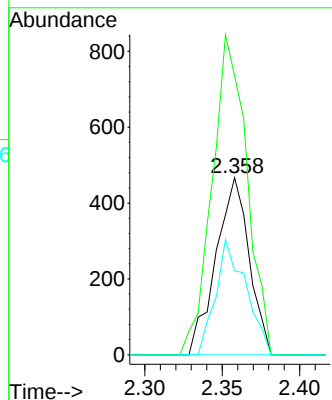
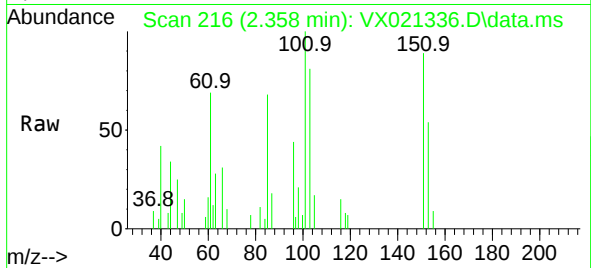




#12
1,1-Dichloroethene
Concen: 0.86 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

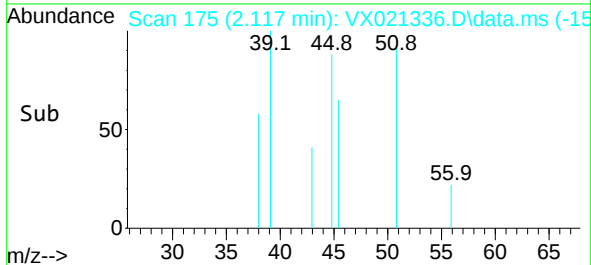
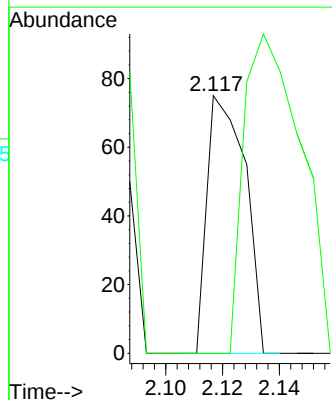
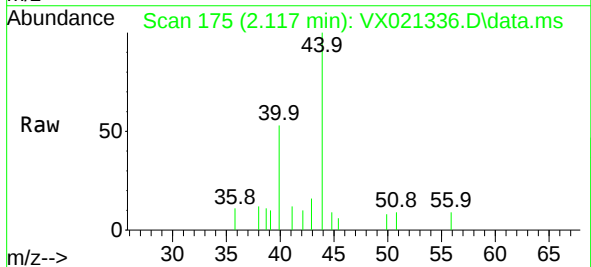
Instrument :
MSVOA_X
ClientSampled :

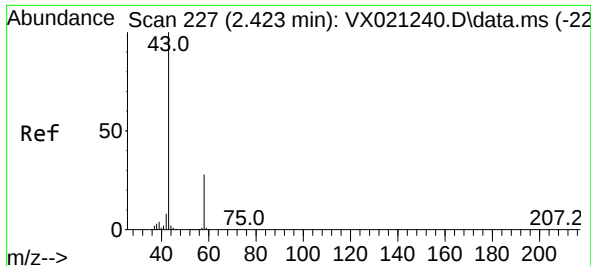
Tgt Ion: 96 Resp: 696
Ion Ratio Lower Upper
96 100
61 157.6 124.6 187.0
98 47.5 50.6 76.0#



#13
Acrolein
Concen: 3.65 ug/l
RT: 2.117 min Scan# 175
Delta R.T. -0.159 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 185.7 56.4 84.6#

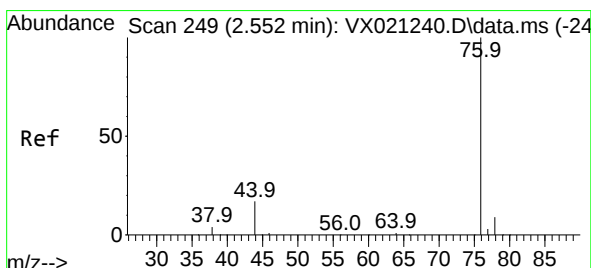
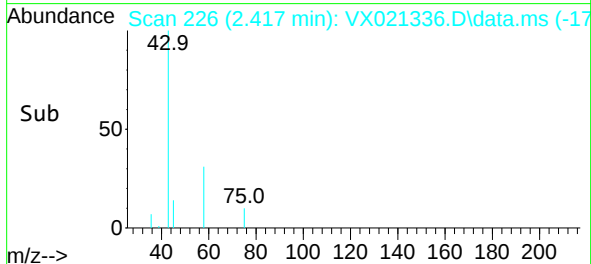
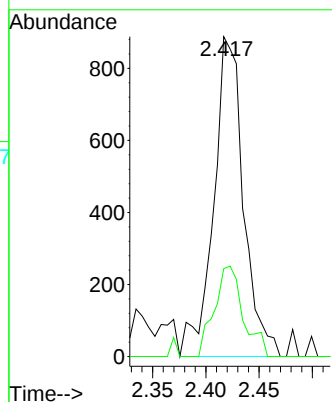
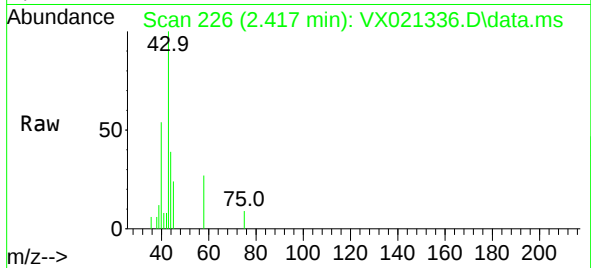




#16
Acetone
Concen: 3.60 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

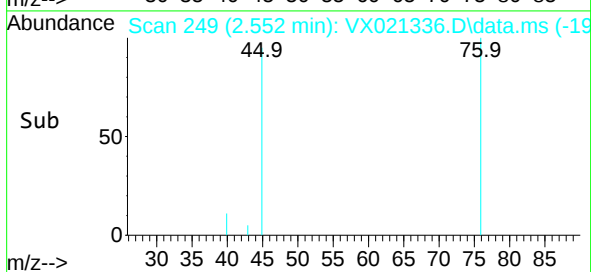
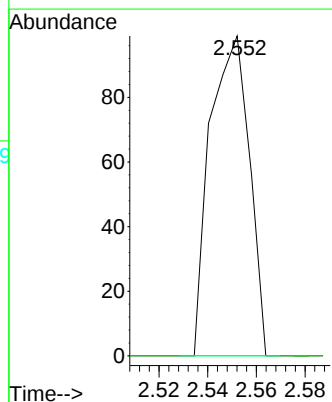
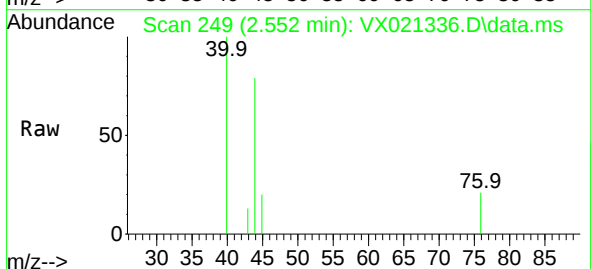
Instrument :
MSVOA_X
ClientSampled :

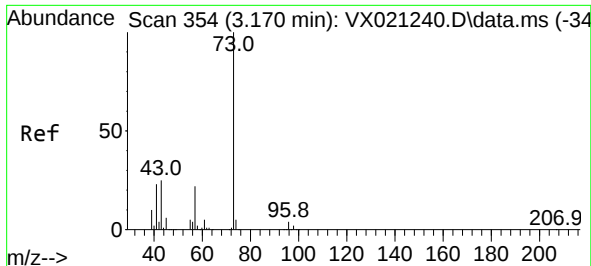
Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.58 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Tgt Ion: 76 Resp: 111
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#19

Methyl tert-butyl Ether

Concen: 0.95 ug/l

RT: 3.176 min Scan# 355

Delta R.T. 0.006 min

Lab File: VX021336.D

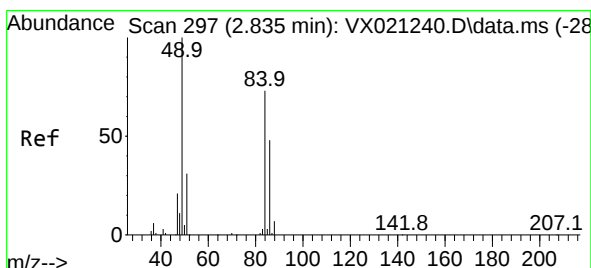
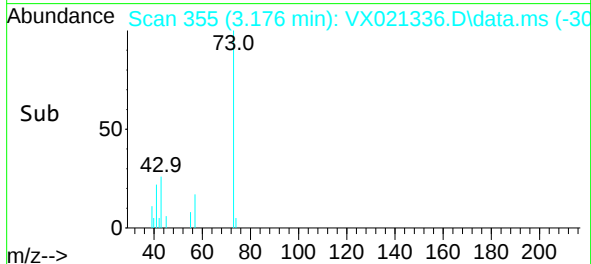
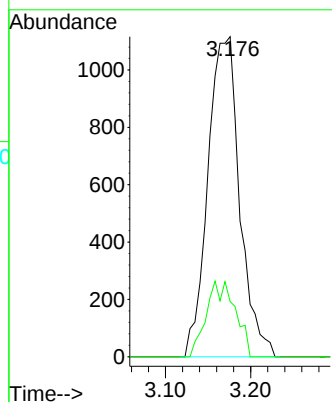
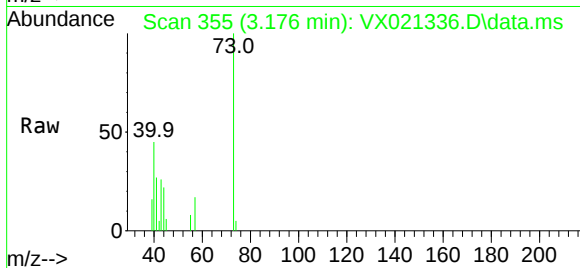
Acq: 20 Mar 2021 09:00

Tgt Ion: 73 Resp: 2892

Ion Ratio Lower Upper

73 100

57 17.3 17.1 25.7



#20

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.006 min

Lab File: VX021336.D

Acq: 20 Mar 2021 09:00

Tgt Ion: 84 Resp: 399

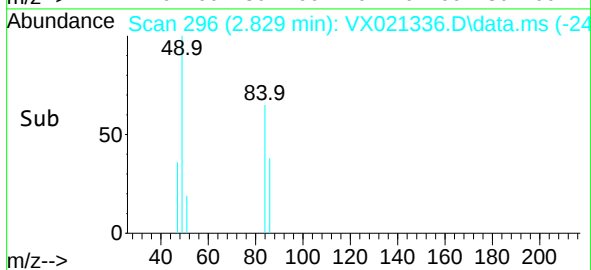
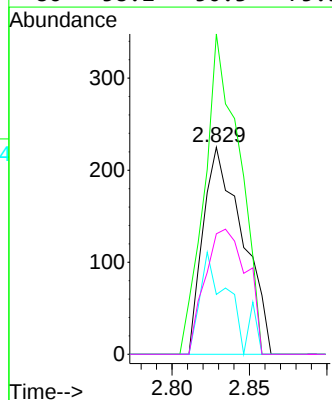
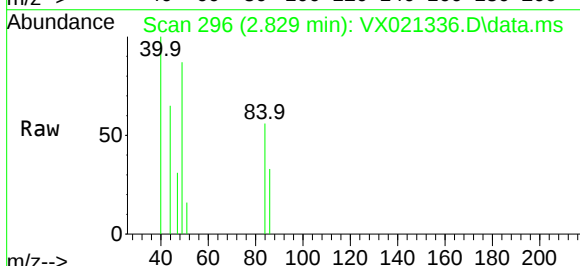
Ion Ratio Lower Upper

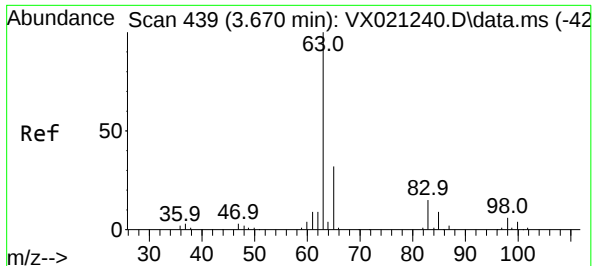
84 100

49 154.7 88.6 132.8#

51 28.9 27.0 40.6

86 58.2 50.3 75.5

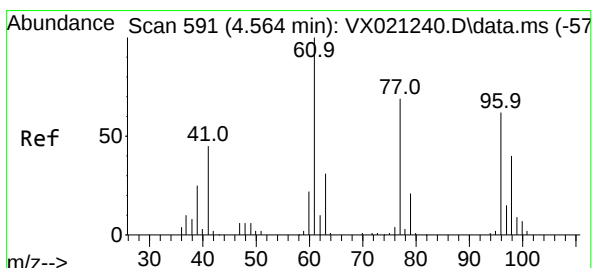
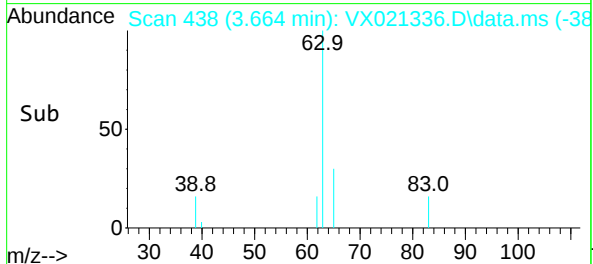
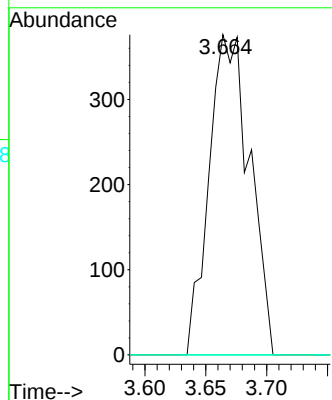
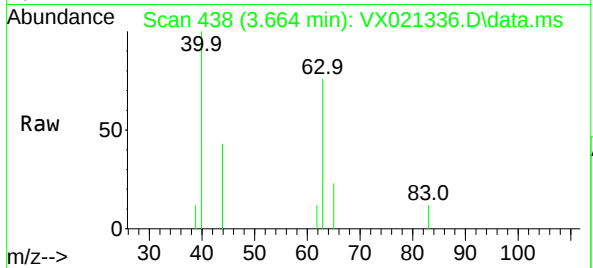




#24
1,1-Dichloroethane
Concen: 0.50 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

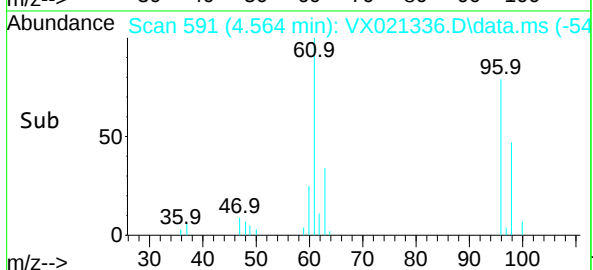
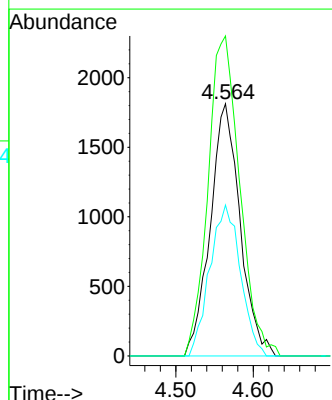
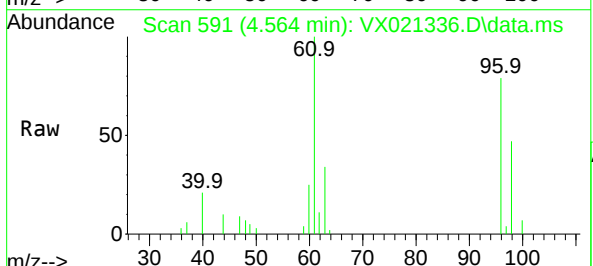
Instrument :
MSVOA_X
ClientSampled :

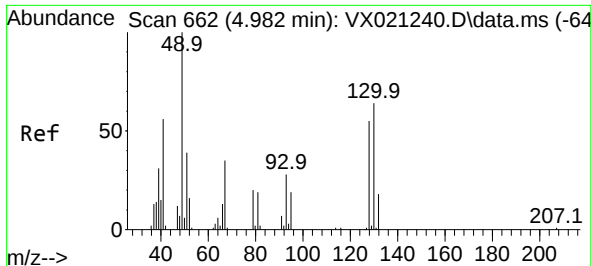
Tgt Ion: 63 Resp: 875
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 4.68 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

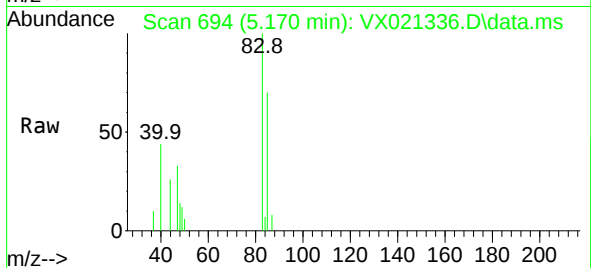
Tgt Ion: 96 Resp: 4868
Ion Ratio Lower Upper
96 100
61 134.4 0.0 285.6
98 61.3 0.0 129.6



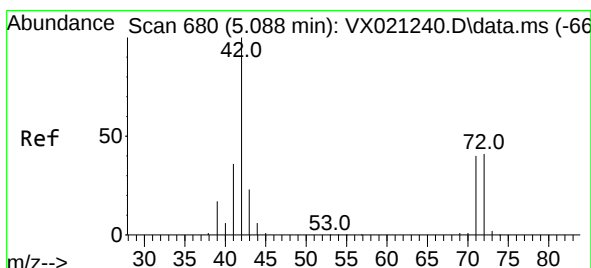
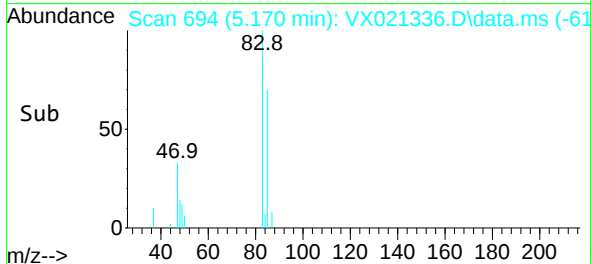
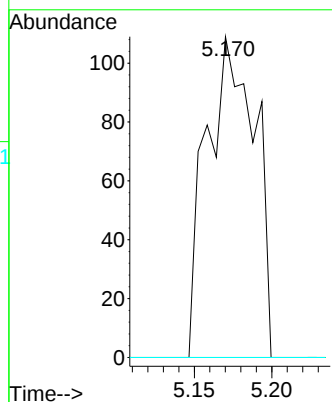


#28
Bromochloromethane
Concen: 0.29 ug/l
RT: 5.170 min Scan# 694
Delta R.T. 0.188 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Instrument :
MSVOA_X
ClientSampled :

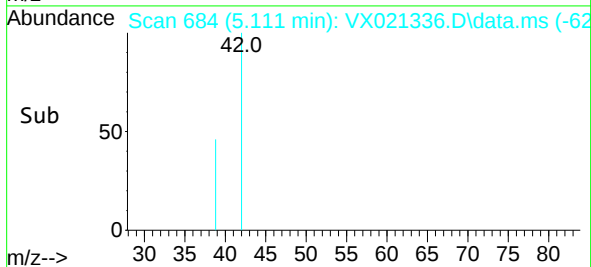
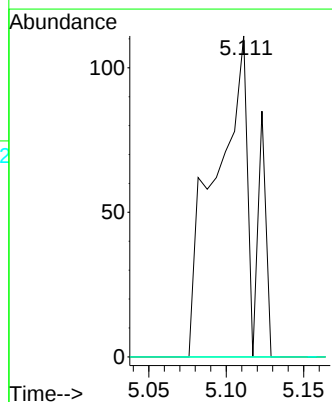
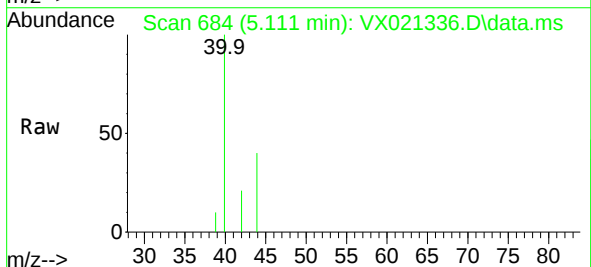


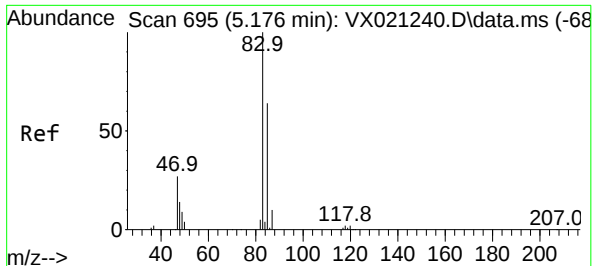
Tgt Ion: 49 Resp: 237
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.023 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

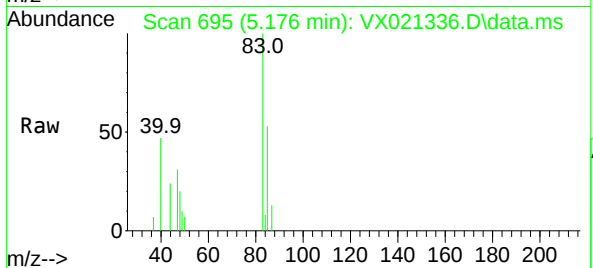
Tgt Ion: 42 Resp: 186
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



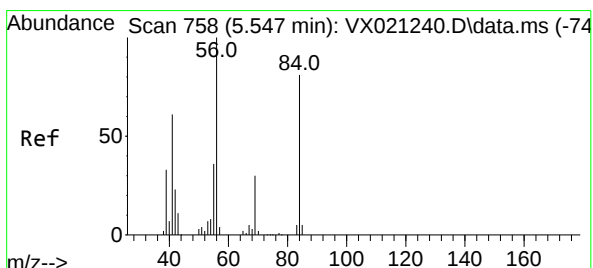
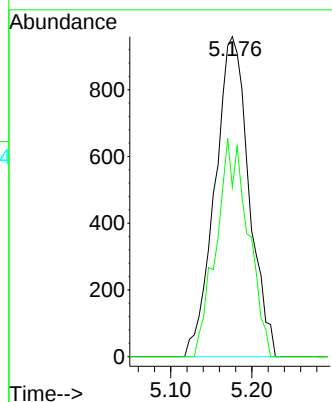
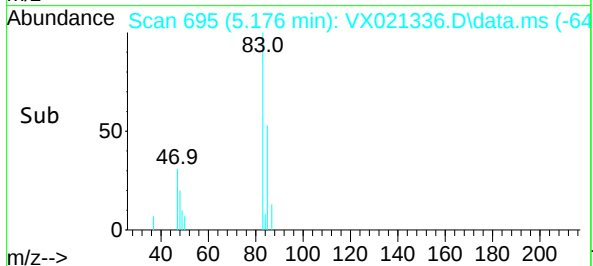


#30
Chloroform
Concen: 1.55 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

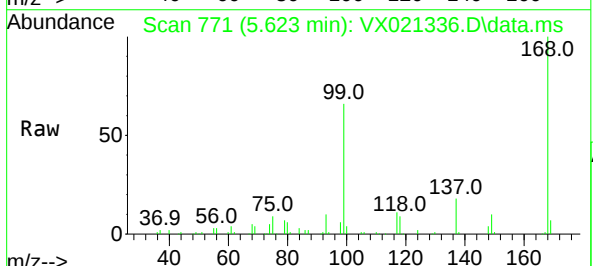
Instrument :
MSVOA_X
ClientSampled :



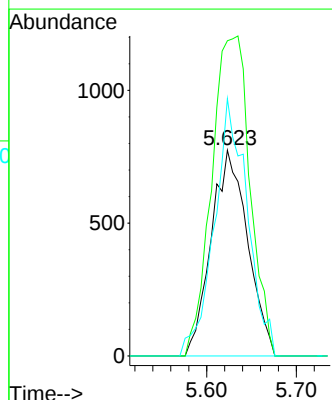
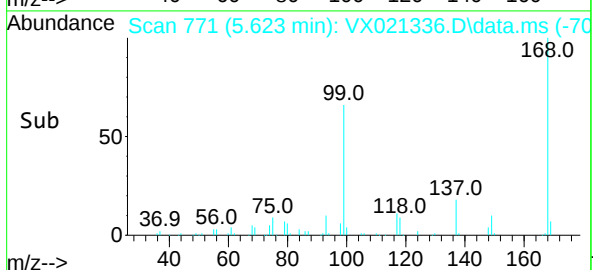
Tgt Ion: 83 Resp: 2796
Ion Ratio Lower Upper
83 100
85 53.0 52.0 78.0

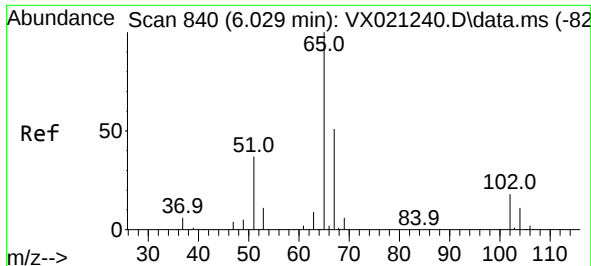


#31
Cyclohexane
Concen: 1.39 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00



Tgt Ion: 56 Resp: 2187
Ion Ratio Lower Upper
56 100
69 153.2 25.3 37.9#
84 125.0 71.4 107.0#

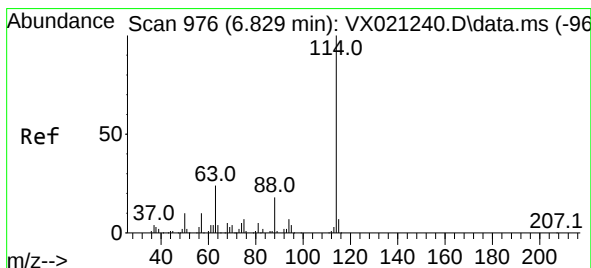
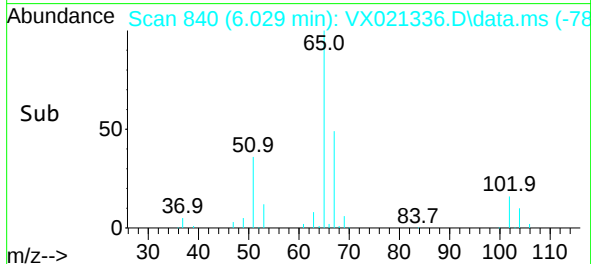
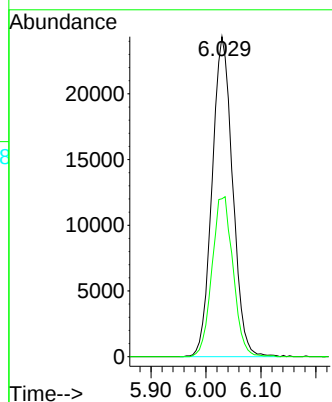
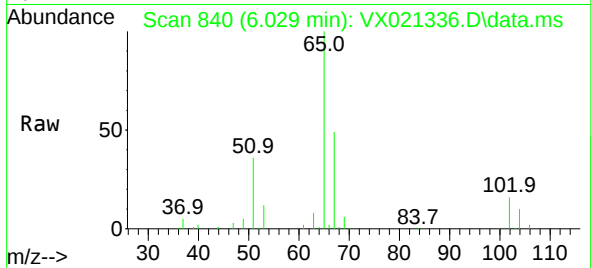




#33
1,2-Dichloroethane-d4
Concen: 48.48 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

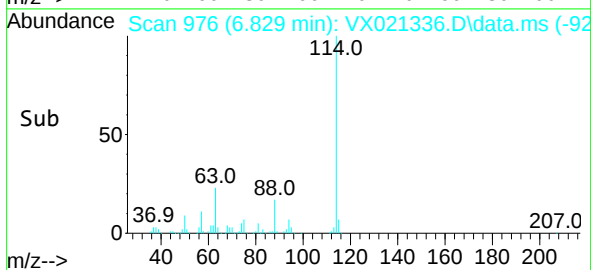
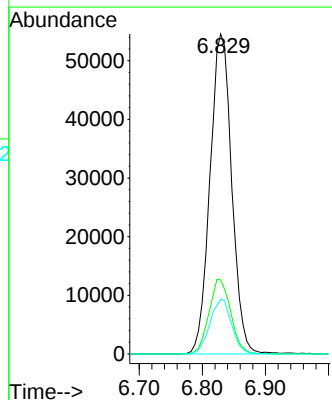
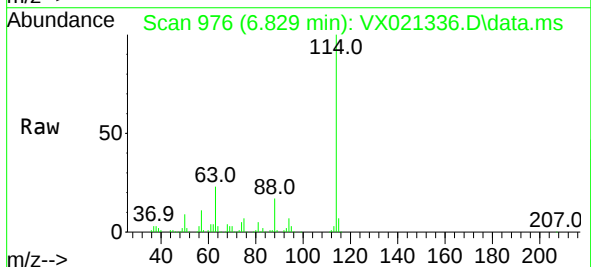
Instrument :
MSVOA_X
ClientSampled :

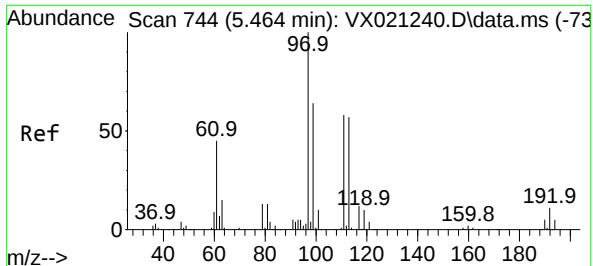
Tgt Ion: 65 Resp: 63251
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Tgt Ion: 114 Resp: 130555
Ion Ratio Lower Upper
114 100
63 23.2 0.0 40.8
88 17.0 0.0 32.8

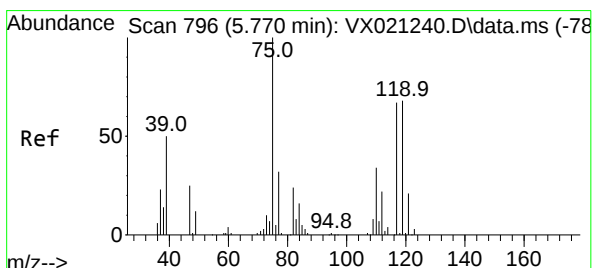
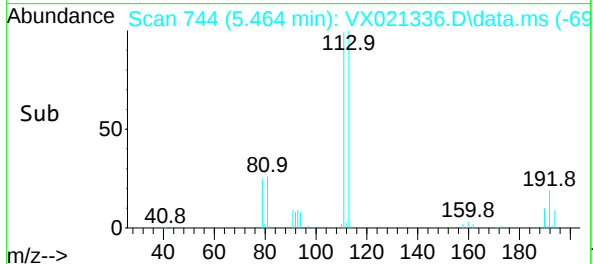
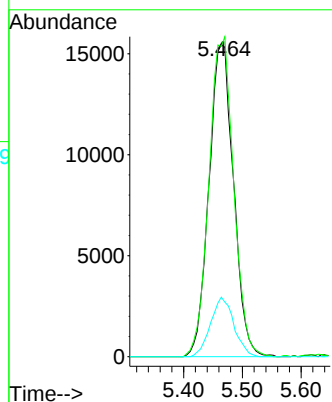
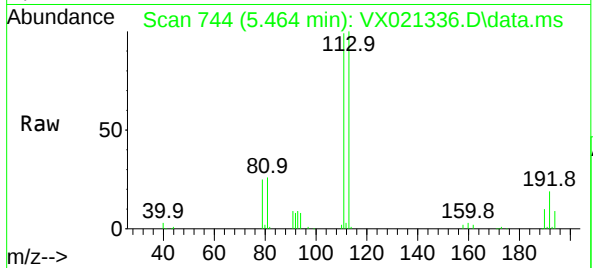




#35
Dibromofluoromethane
Concen: 50.56 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

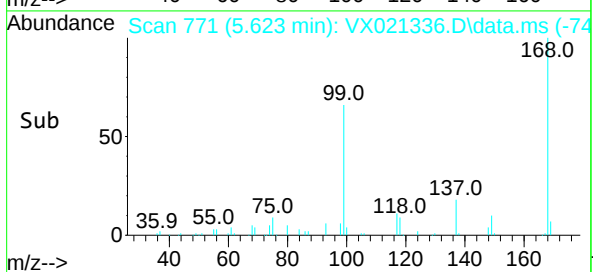
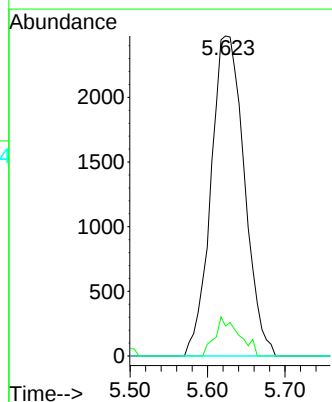
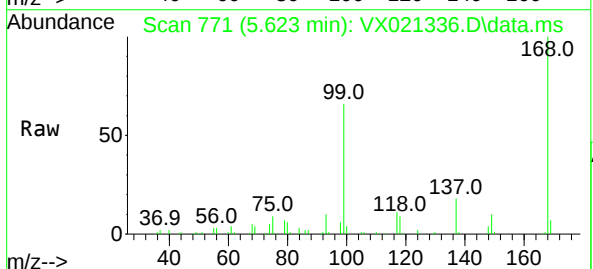
Instrument :
MSVOA_X
ClientSampleId :

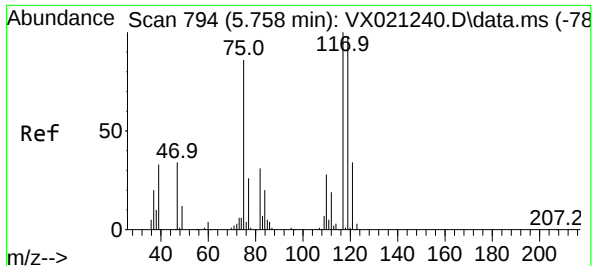
Tgt Ion:113 Resp: 44914
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 18.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.64 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

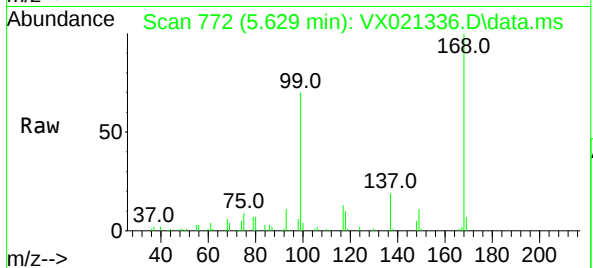
Tgt Ion: 75 Resp: 7415
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



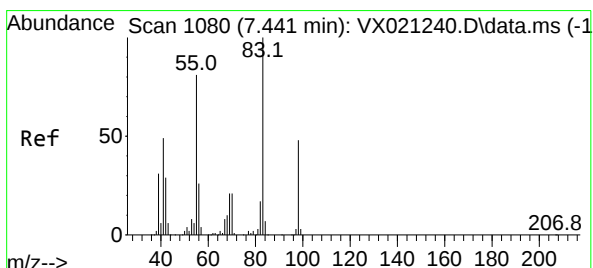
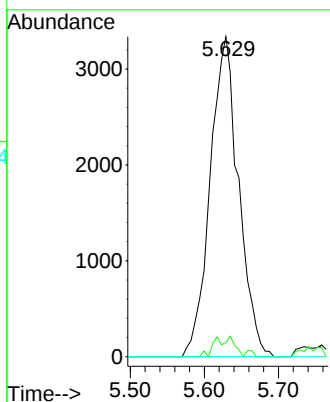
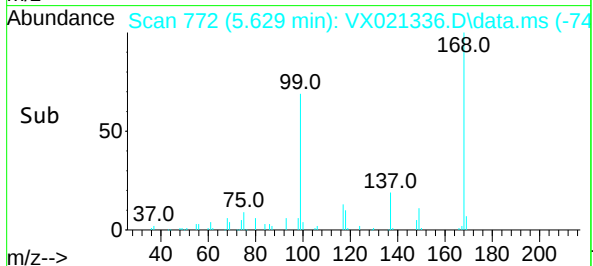


#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

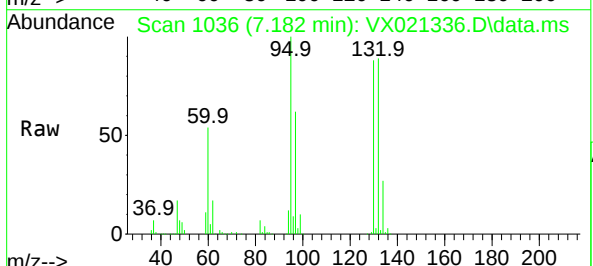
Instrument :
MSVOA_X
ClientSampleId :



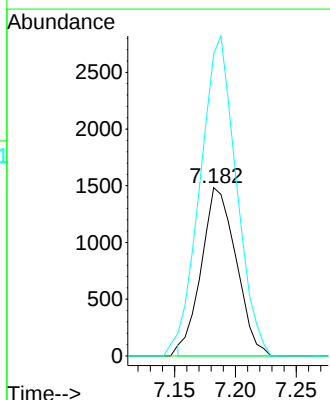
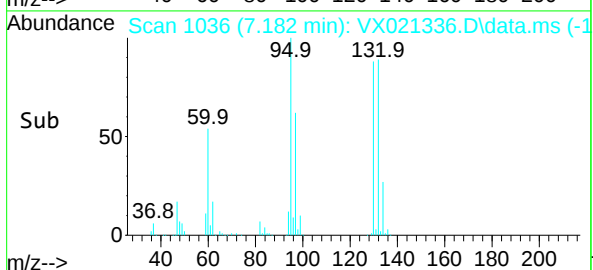
Tgt Ion:117 Resp: 8899
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

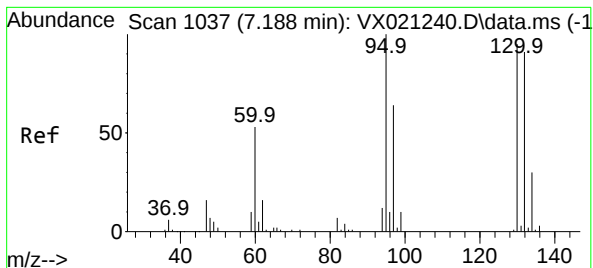


#39
Methylcyclohexane
Concen: 2.01 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.259 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00



Tgt Ion: 83 Resp: 2933
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 179.4 38.1 57.1#





#44

Trichloroethene

Concen: 221.86 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021336.D

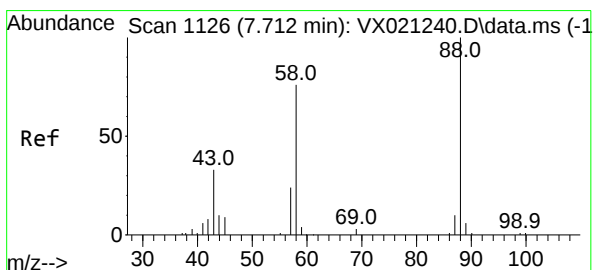
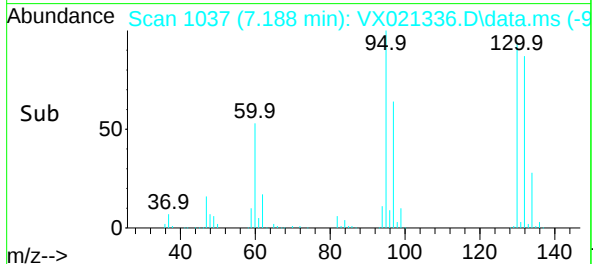
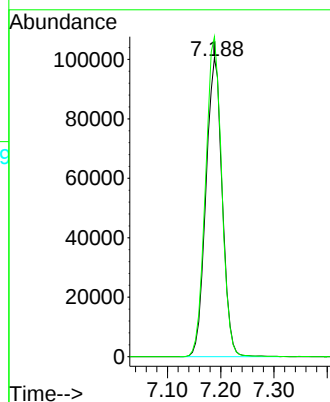
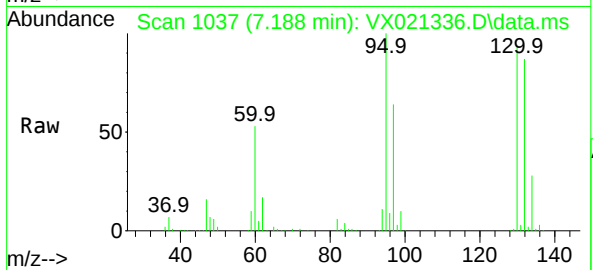
Acq: 20 Mar 2021 09:00

Tgt Ion:130 Resp: 213634

Ion Ratio Lower Upper

130 100

95 107.0 0.0 198.0



#49

1,4-Dioxane

Concen: 20.79 ug/l

RT: 7.723 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VX021336.D

Acq: 20 Mar 2021 09:00

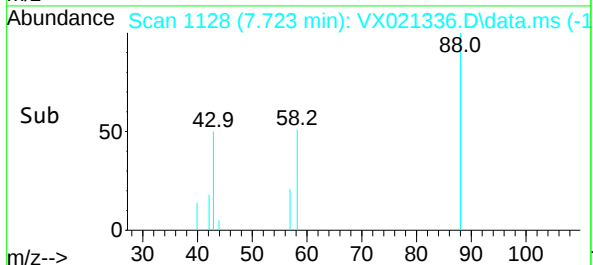
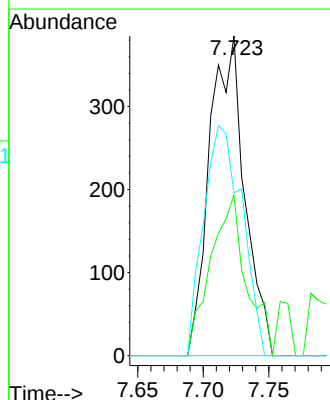
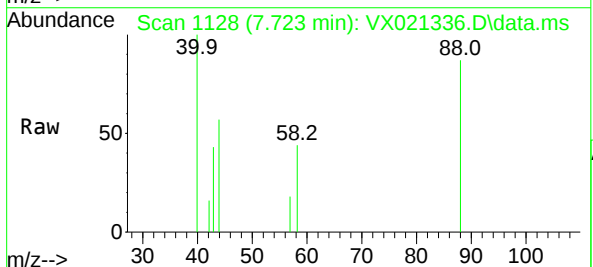
Tgt Ion: 88 Resp: 717

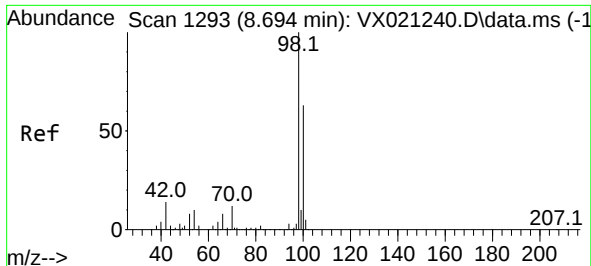
Ion Ratio Lower Upper

88 100

43 51.0 23.2 34.8#

58 78.7 55.0 82.4

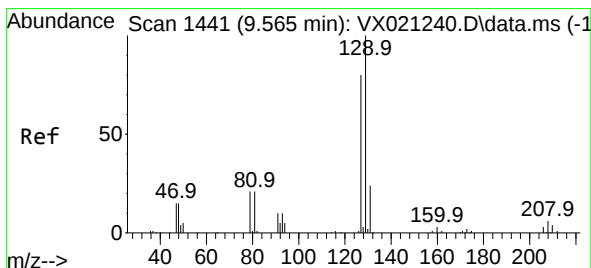
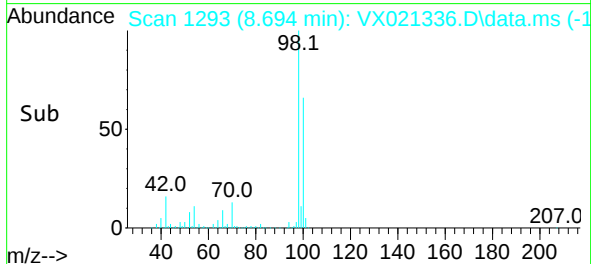
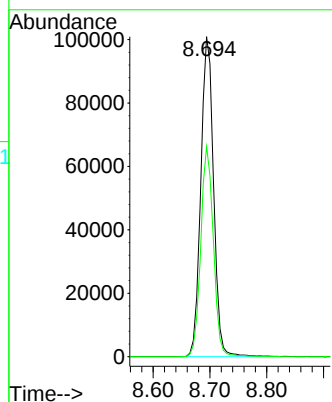
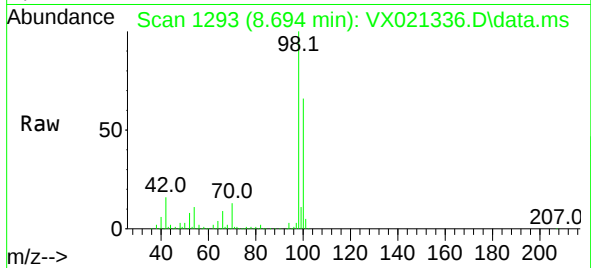




#50
Toluene-d8
Concen: 49.01 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

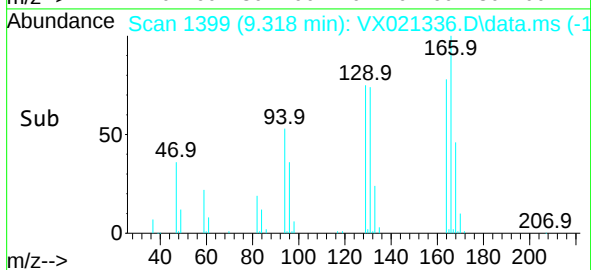
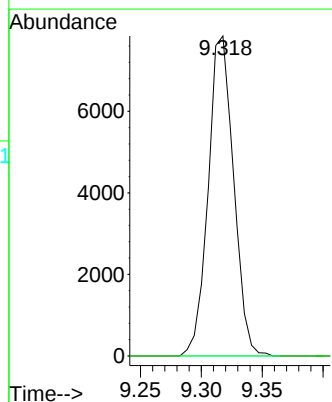
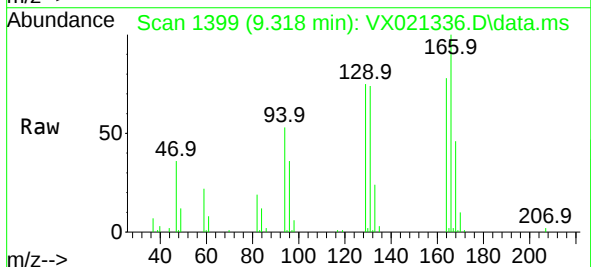
Instrument :
MSVOA_X
ClientSampled :

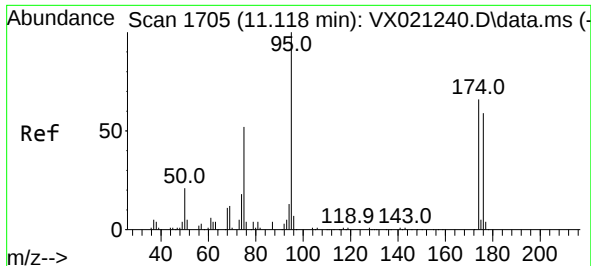
Tgt Ion: 98 Resp: 157976
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#60
Dibromochloromethane
Concen: 10.91 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Tgt Ion: 129 Resp: 11400
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

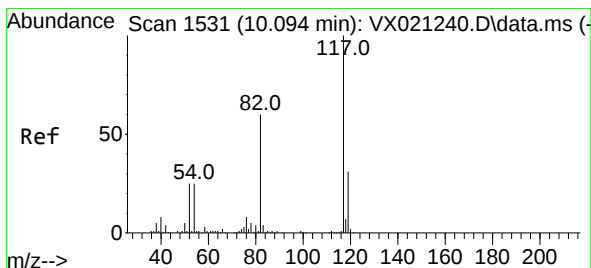
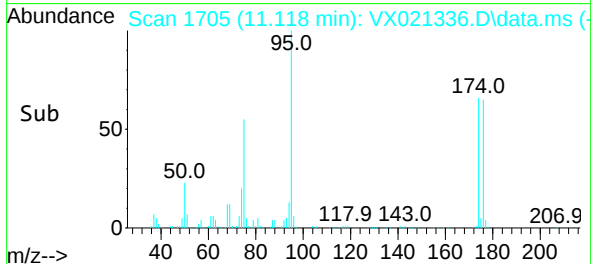
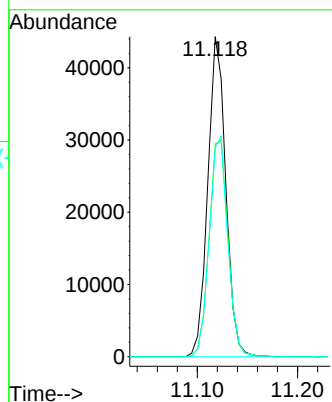
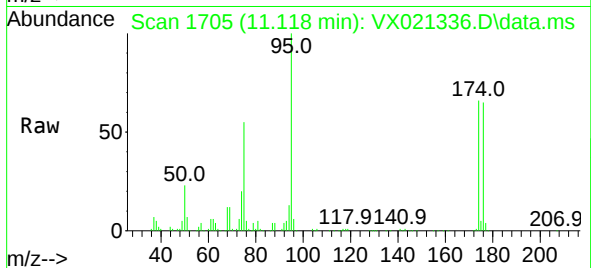




#62
4-Bromofluorobenzene
Concen: 44.21 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

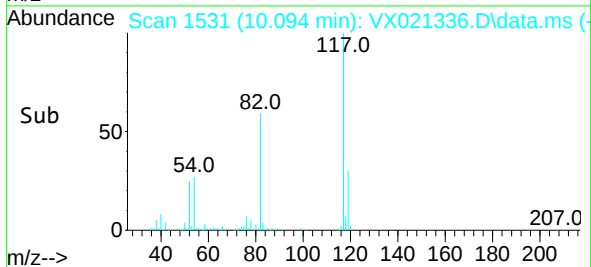
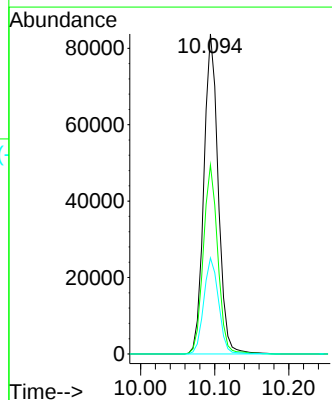
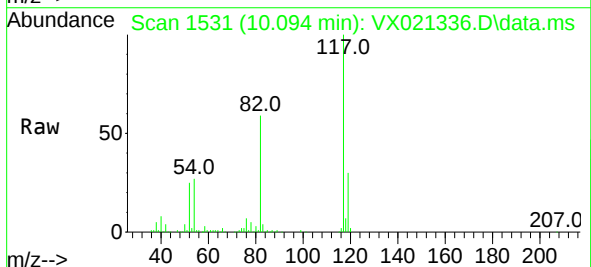
Instrument :
MSVOA_X
ClientSampleId :

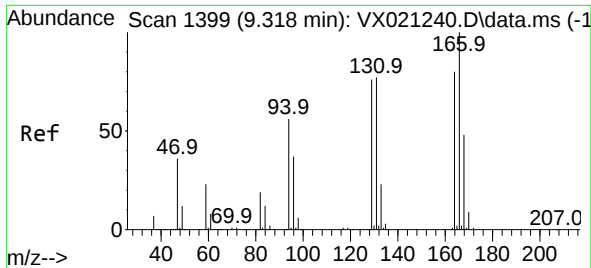
Tgt Ion: 95 Resp: 55342
Ion Ratio Lower Upper
95 100
174 71.5 0.0 154.6
176 70.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

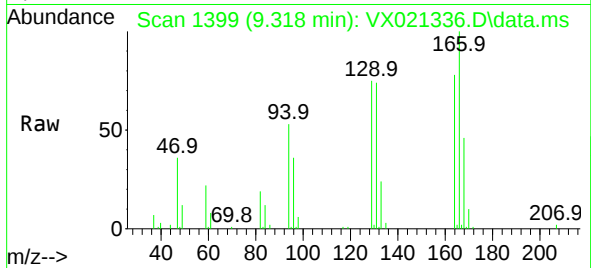
Tgt Ion: 117 Resp: 112729
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 30.0 26.6 39.8



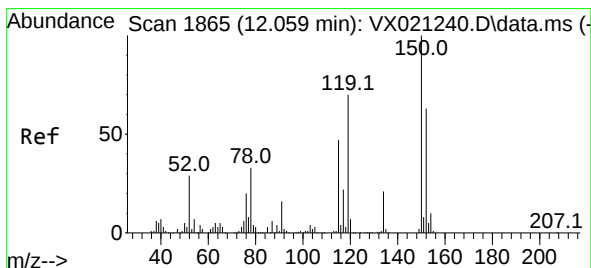
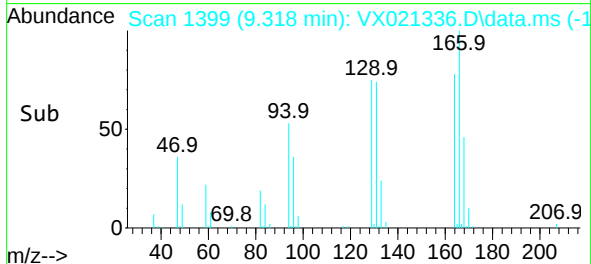
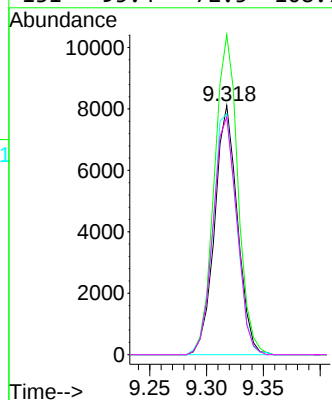


#64
Tetrachloroethene
Concen: 13.46 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

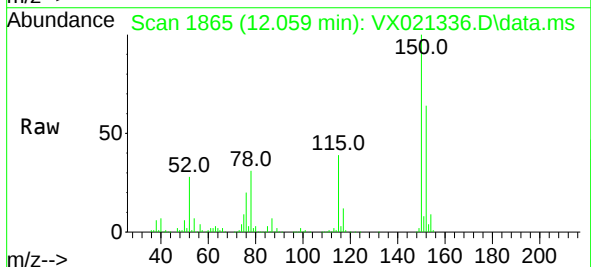
Instrument :
MSVOA_X
ClientSampleId :



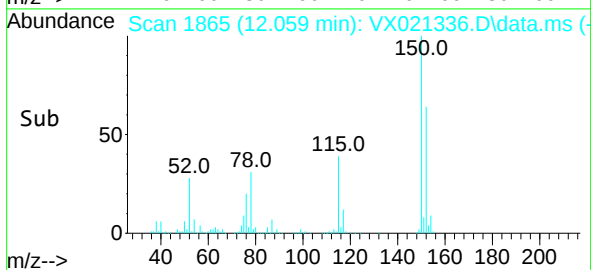
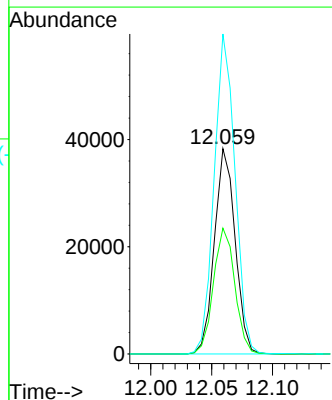
Tgt Ion:	164	Resp:	11332
Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.4	155.2
129	96.8	70.8	106.2
131	95.4	72.5	108.7

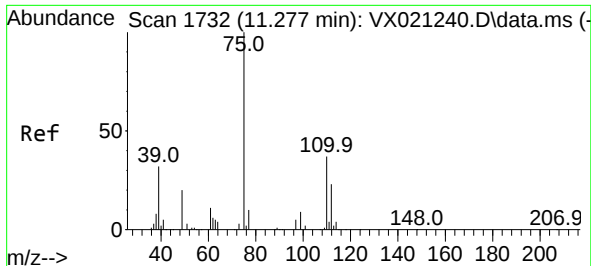


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00



Tgt Ion:	152	Resp:	45401
Ion	Ratio	Lower	Upper
152	100		
115	63.3	41.1	123.3
150	156.5	0.0	349.0

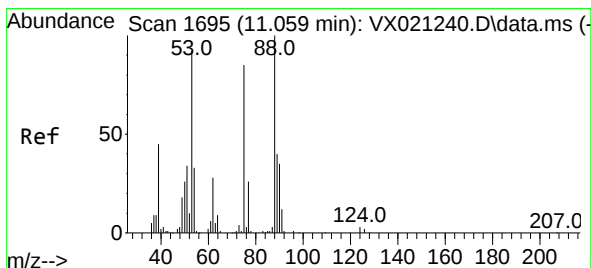
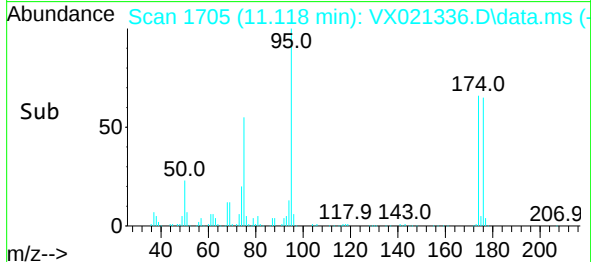
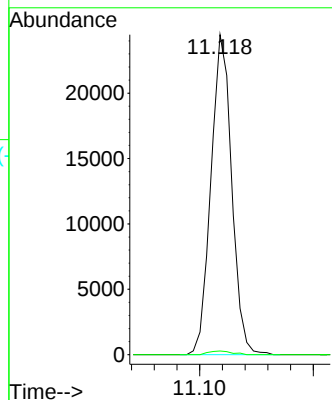
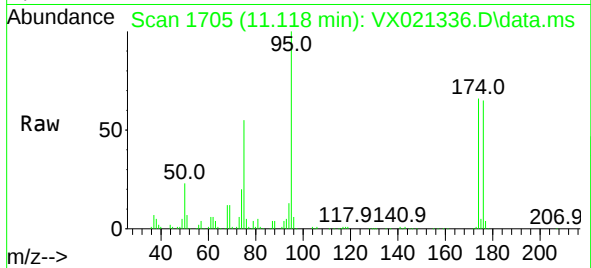




#76
1,2,3-Trichloropropane
Concen: 29.50 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 31070
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021336.D
Acq: 20 Mar 2021 09:00

Tgt Ion: 75 Resp: 31070
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

