

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021608.D
 Acq On : 30 Mar 2021 04:11
 Operator : JC/MD
 Sample : M1843-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 05:24:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

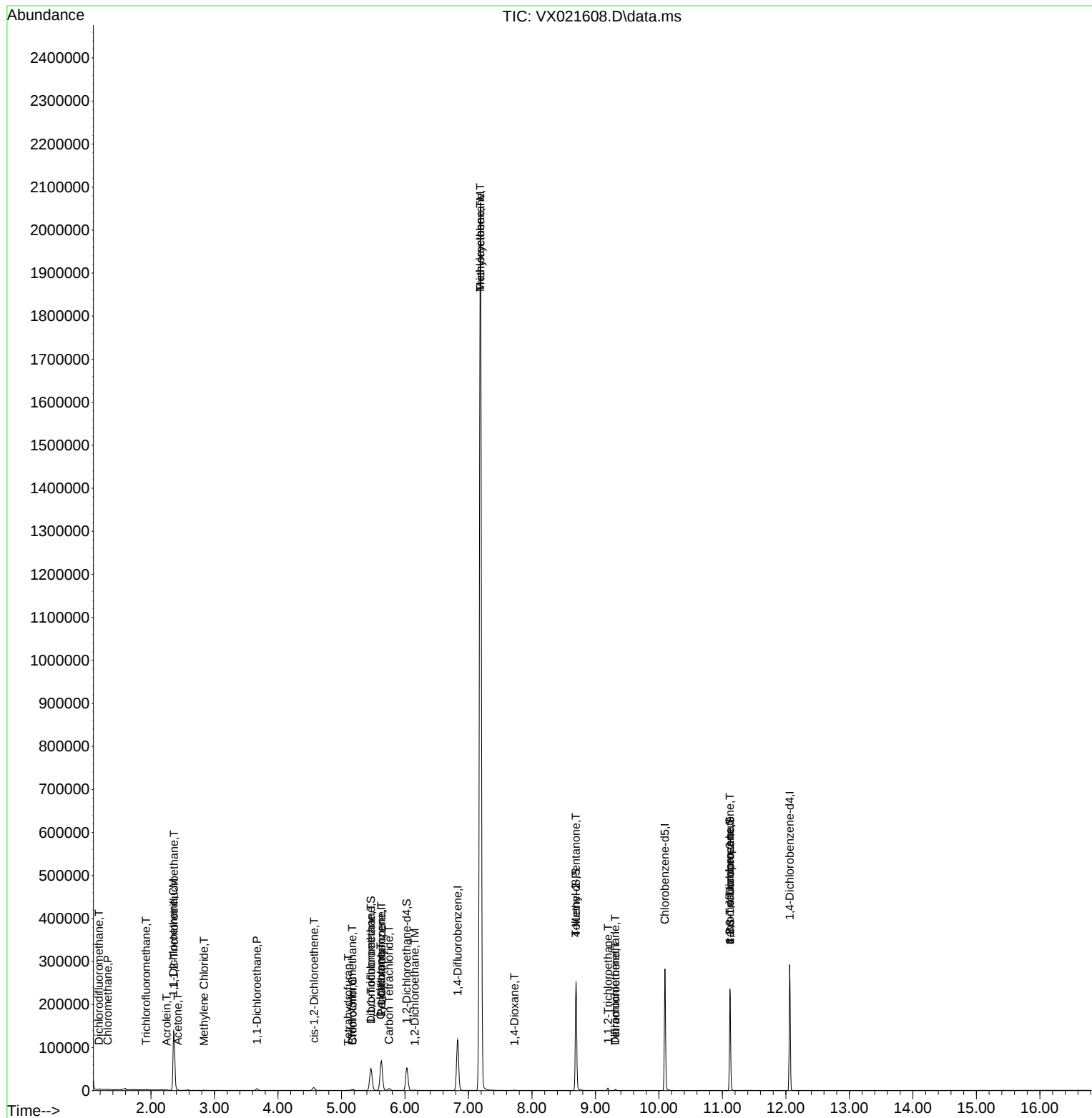
Internal Standards						
1) Pentafluorobenzene	5.629	168	59436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	117448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	53372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52337	52.92	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.84%	
35) Dibromofluoromethane	5.464	113	39562	50.47	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.94%	
50) Toluene-d8	8.694	98	141158	50.54	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.08%	
62) 4-Bromofluorobenzene	11.118	95	59228	54.54	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.08%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.181	85	353	0.54	ug/l	88
3) Chloromethane	1.317	50	1548	2.10	ug/l	90
7) Trichlorofluoromethane	1.922	101	282	0.26	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.364	101	37923	61.99	ug/l	97
12) 1,1-Dichloroethene	2.352	96	17246	28.79	ug/l	86
13) Acrolein	2.246	56	18	4.51	ug/l #	64
16) Acetone	2.423	43	1081	2.89	ug/l #	86
20) Methylene Chloride	2.834	84	260	0.36	ug/l #	89
24) 1,1-Dichloroethane	3.670	63	4593	3.61	ug/l	99
27) cis-1,2-Dichloroethene	4.570	96	3854	5.04	ug/l	97
28) Bromochloromethane	5.170	49	211	0.33	ug/l #	9
29) Tetrahydrofuran	5.105	42	270	0.73	ug/l #	43
30) Chloroform	5.176	83	2326	1.73	ug/l	85
31) Cyclohexane	5.617	56	1689	1.55	ug/l #	29
32) 1,1,1-Trichloroethane	5.464	97	2911	2.44	ug/l #	94
36) 1,1-Dichloropropene	5.629	75	5382	4.98	ug/l #	50
38) Carbon Tetrachloride	5.747	117	3806	3.28	ug/l #	89
39) Methylcyclohexane	7.188	83	9999	8.34	ug/l #	1
42) 1,2-Dichloroethane	6.152	62	871	0.65	ug/l #	73
44) Trichloroethene	7.188	130	733649	905.52	ug/l	95
49) 1,4-Dioxane	7.723	88	496	25.59	ug/l #	77
51) 4-Methyl-2-Pentanone	8.694	43	843	0.68	ug/l #	1
55) 1,1,2-Trichloroethane	9.200	97	1313	1.64	ug/l	92
60) Dibromochloromethane	9.312	129	437	0.49	ug/l #	11
64) Tetrachloroethene	9.318	164	414	0.53	ug/l #	81
76) 1,2,3-Trichloropropane	11.118	75	33281	26.79	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33281	81.59	ug/l #	12

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

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MSVOA_X
ClientSampleId :

Quant Time: Mar 30 05:24:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration

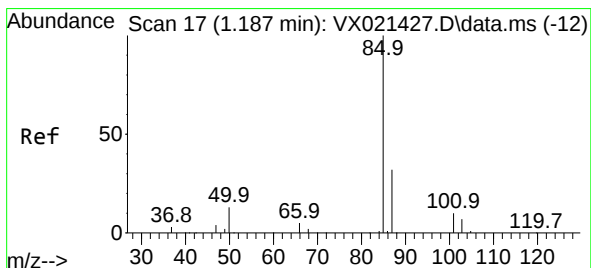
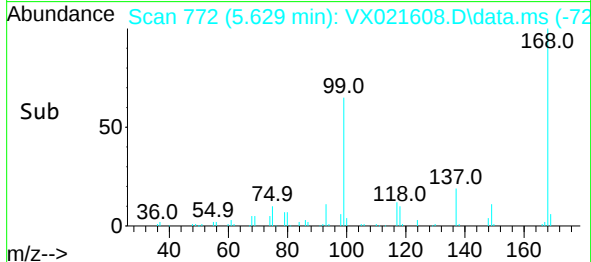
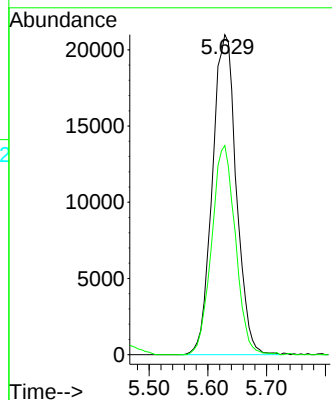
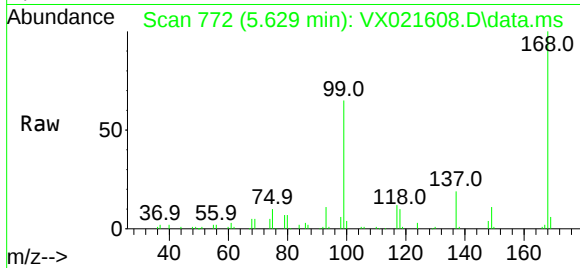




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

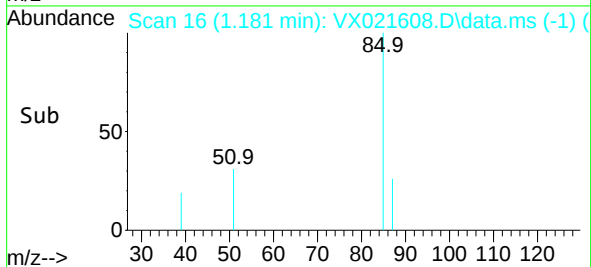
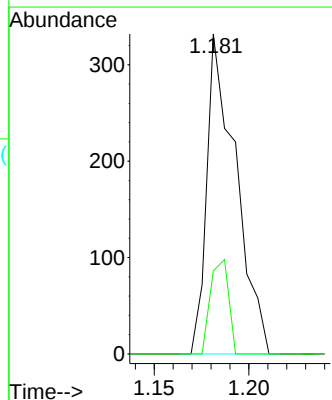
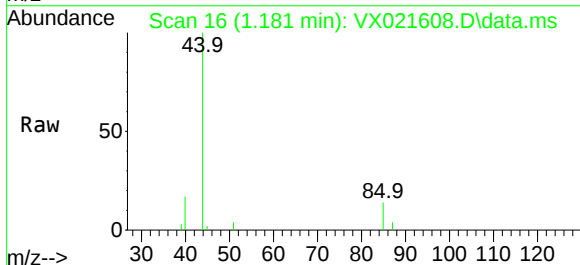
Instrument :
MSVOA_X
ClientSampleId :

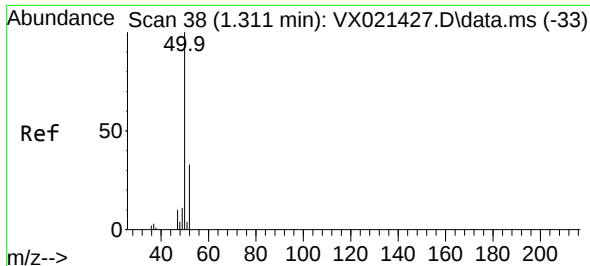
Tgt Ion:168 Resp: 59436
Ion Ratio Lower Upper
168 100
99 65.4 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.54 ug/l
RT: 1.181 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 85 Resp: 353
Ion Ratio Lower Upper
85 100
87 25.9 16.4 49.2

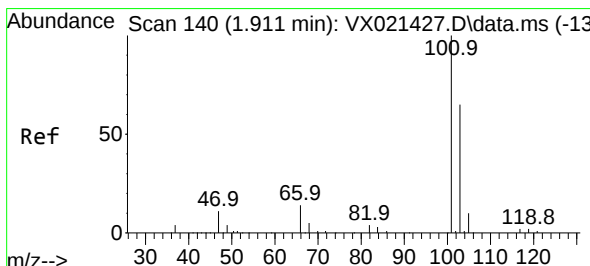
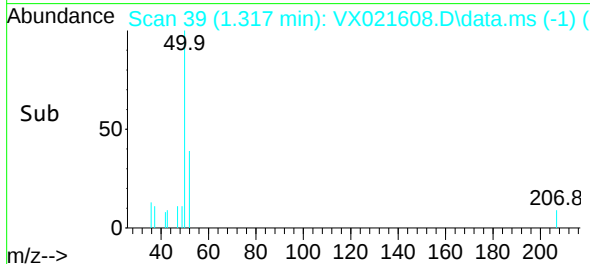
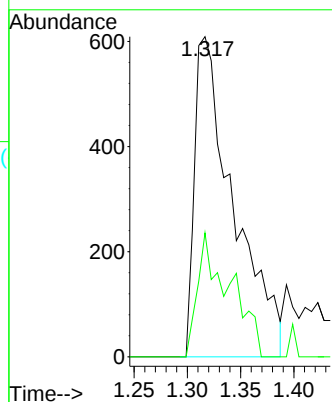
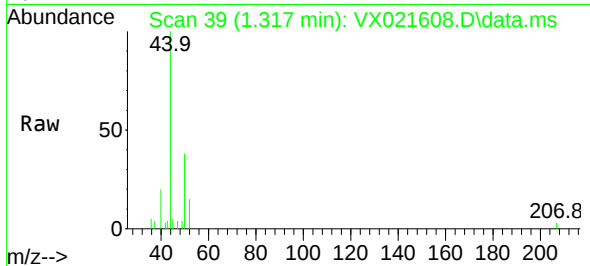




#3
Chloromethane
Concen: 2.10 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

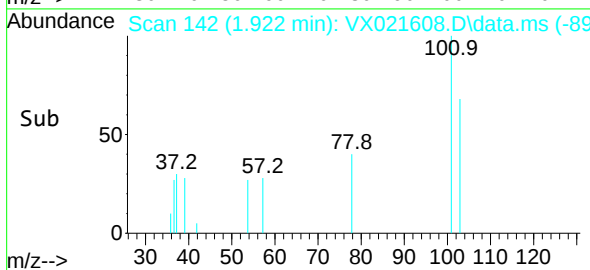
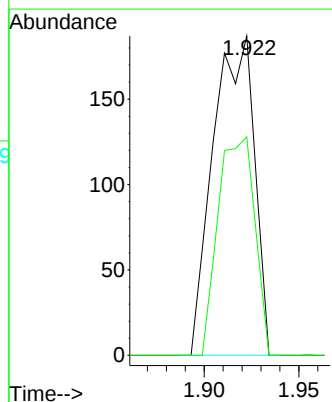
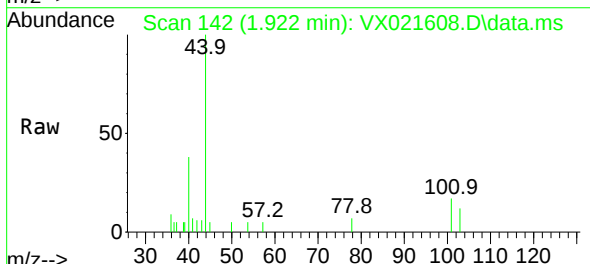
Instrument :
MSVOA_X
ClientSampled :

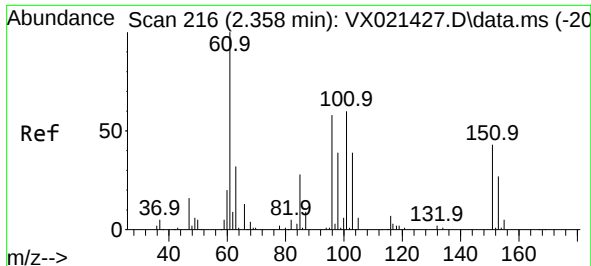
Tgt Ion: 50 Resp: 1548
Ion Ratio Lower Upper
50 100
52 38.8 26.4 39.6



#7
Trichlorofluoromethane
Concen: 0.26 ug/l
RT: 1.922 min Scan# 142
Delta R.T. 0.011 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 101 Resp: 282
Ion Ratio Lower Upper
101 100
103 68.4 53.2 79.8

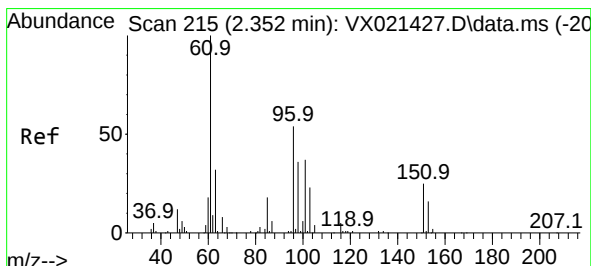
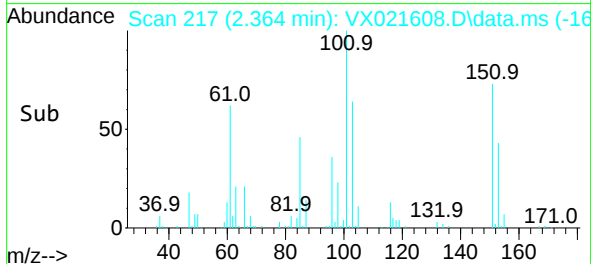
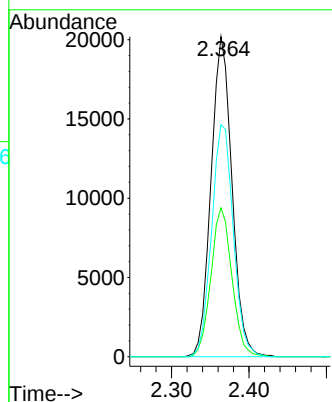
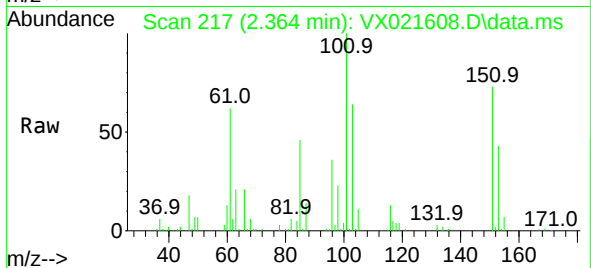




#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.99 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

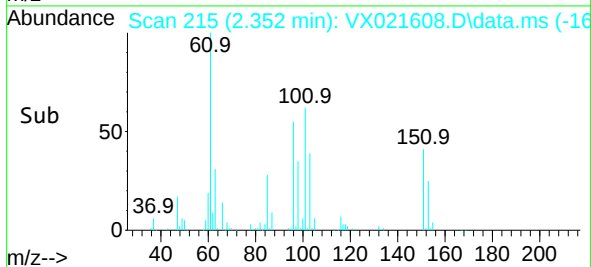
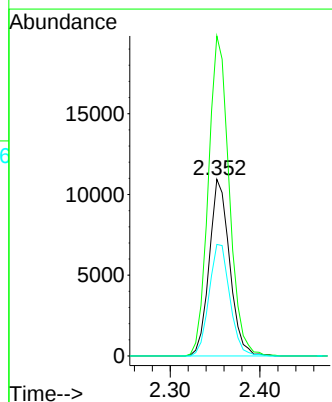
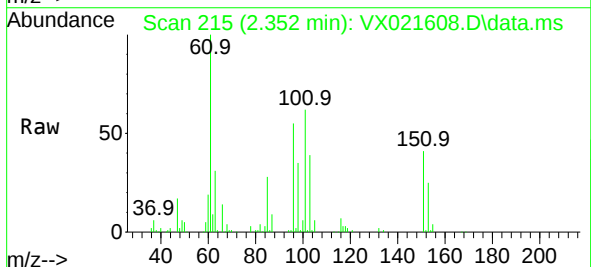
Instrument :
MSVOA_X
ClientSampled :

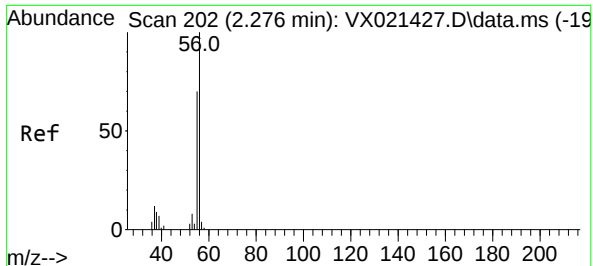
Tgt Ion:101 Resp: 37923
Ion Ratio Lower Upper
101 100
85 46.7 34.9 52.3
151 75.3 61.4 92.2



#12
1,1-Dichloroethene
Concen: 28.79 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

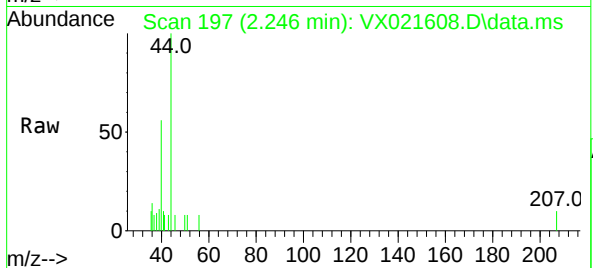
Tgt Ion: 96 Resp: 17246
Ion Ratio Lower Upper
96 100
61 181.2 124.6 187.0
98 63.2 50.6 76.0



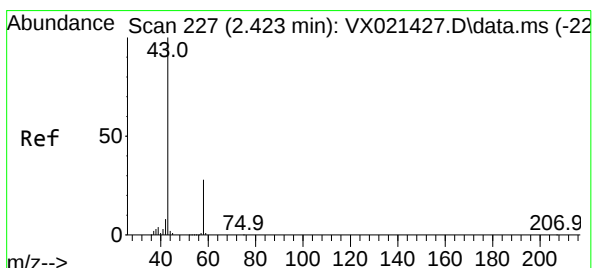
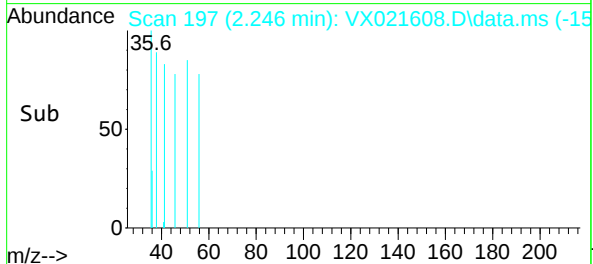
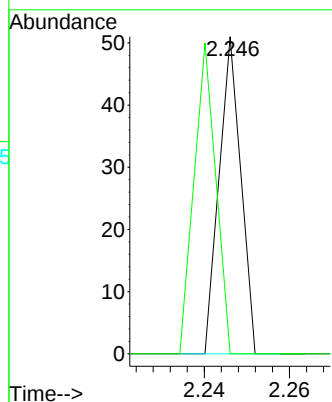


#13
Acrolein
Concen: 4.51 ug/l
RT: 2.246 min Scan# 197
Delta R.T. -0.030 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Instrument :
MSVOA_X
ClientSampled :

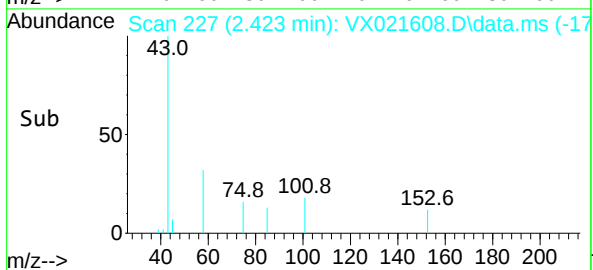
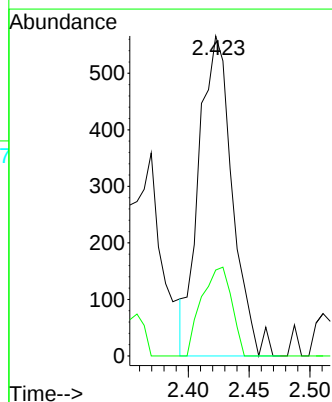
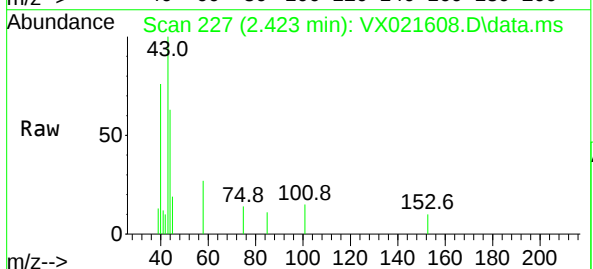


Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 100.0 56.4 84.6#



#16
Acetone
Concen: 2.89 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

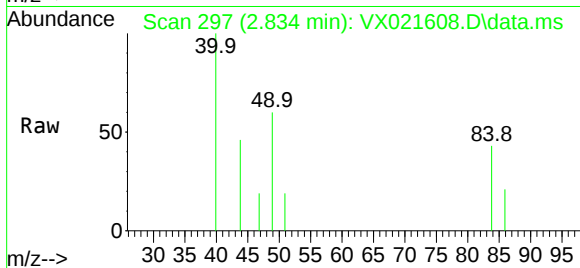
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
58 26.9 27.8 41.8#





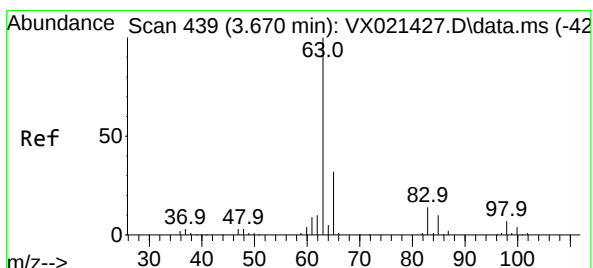
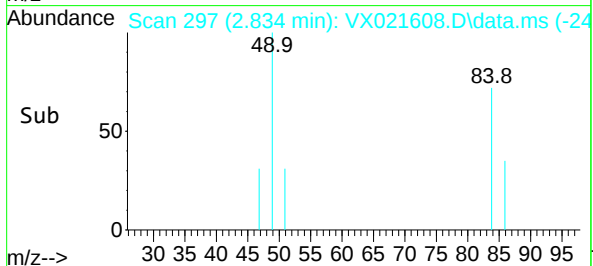
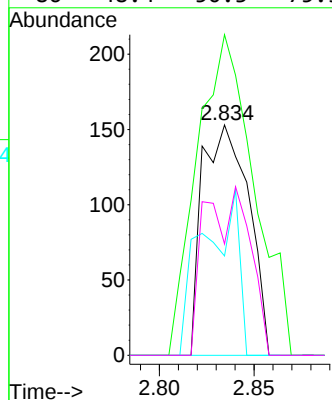
#20
Methylene Chloride
Concen: 0.36 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 260

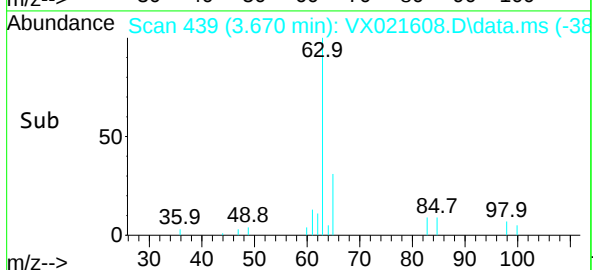
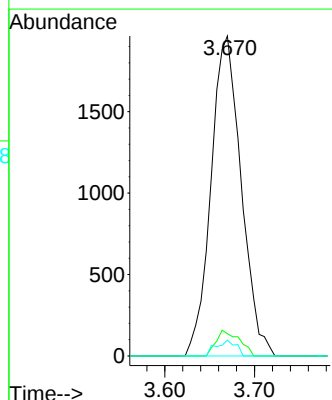
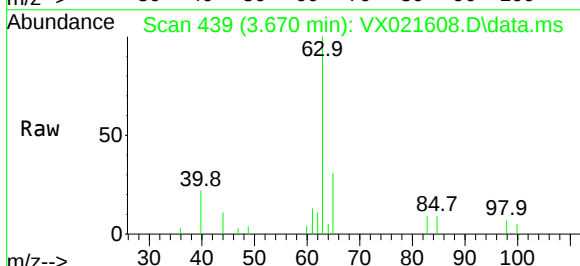
Ion	Ratio	Lower	Upper
84	100		
49	104.6	88.6	132.8
51	43.1	27.0	40.6#
86	48.4	50.3	75.5#

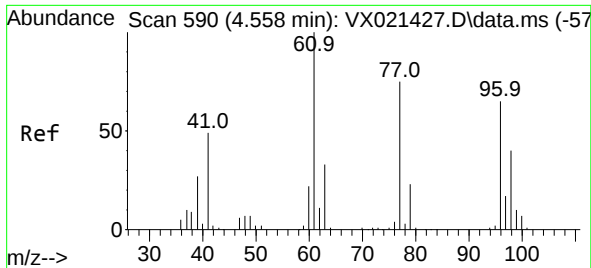


#24
1,1-Dichloroethane
Concen: 3.61 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 63 Resp: 4593

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.9	2.5	7.5





#27

cis-1,2-Dichloroethene

Concen: 5.04 ug/l

RT: 4.570 min Scan# 592

Delta R.T. 0.012 min

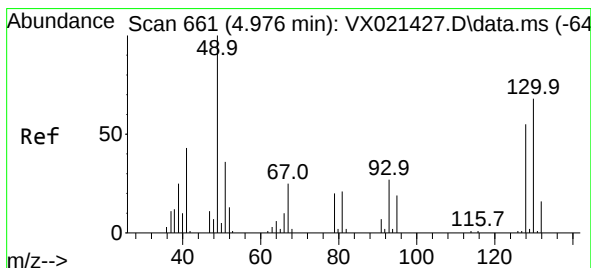
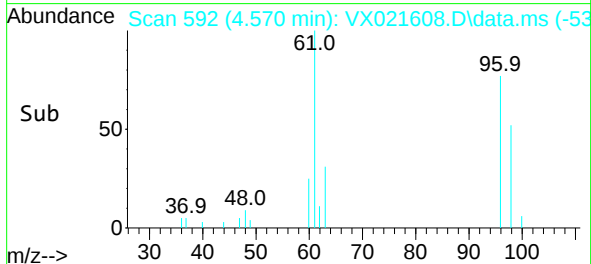
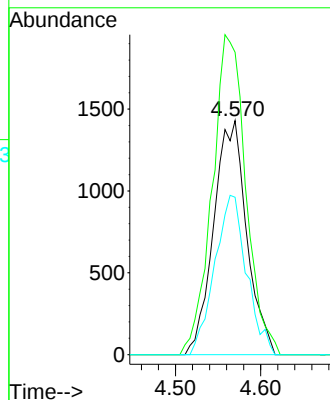
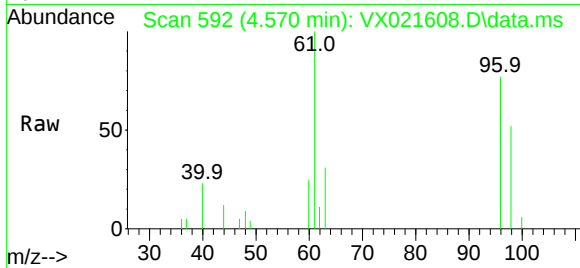
Lab File: VX021608.D

Acq: 30 Mar 2021 04:11

Tgt Ion: 96 Resp: 3854

Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	285.6
98	65.7	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#28

Bromochloromethane

Concen: 0.33 ug/l

RT: 5.170 min Scan# 694

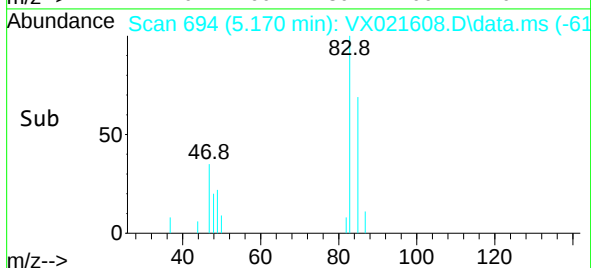
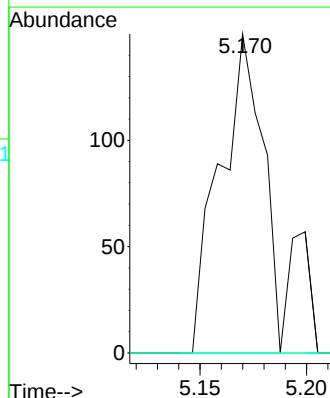
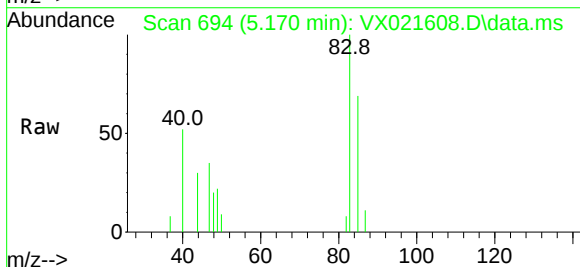
Delta R.T. 0.194 min

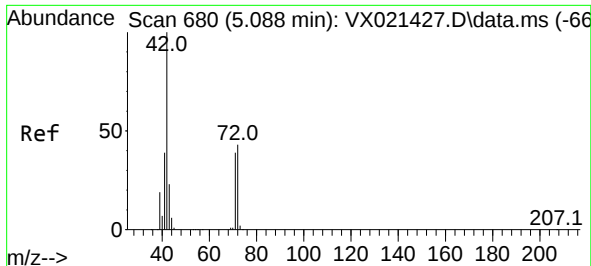
Lab File: VX021608.D

Acq: 30 Mar 2021 04:11

Tgt Ion: 49 Resp: 211

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#29

Tetrahydrofuran

Concen: 0.73 ug/l

RT: 5.105 min Scan# 683

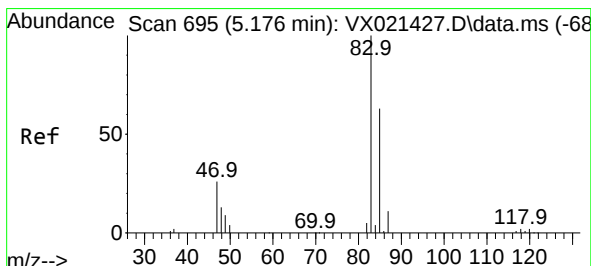
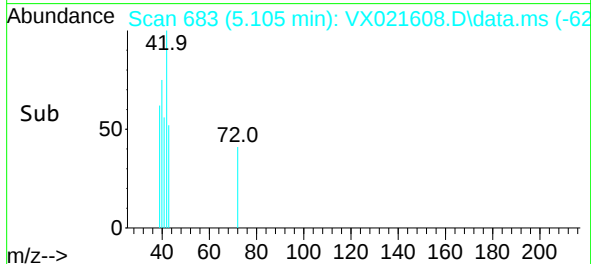
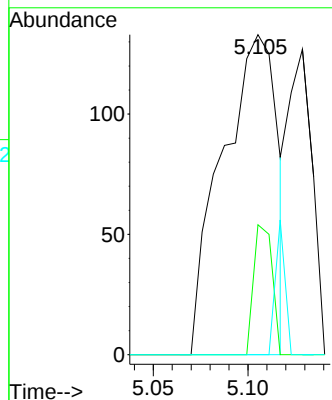
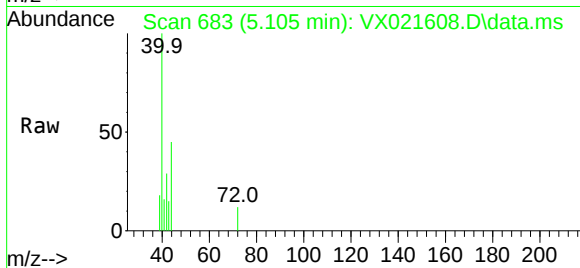
Delta R.T. 0.017 min

Lab File: VX021608.D

Acq: 30 Mar 2021 04:11

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	42	Resp:	270
Ion	Ratio	Lower	Upper
42	100		
72	13.7	41.7	62.5#
71	7.4	38.4	57.6#



#30

Chloroform

Concen: 1.73 ug/l

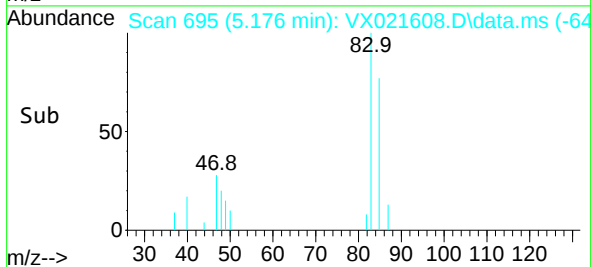
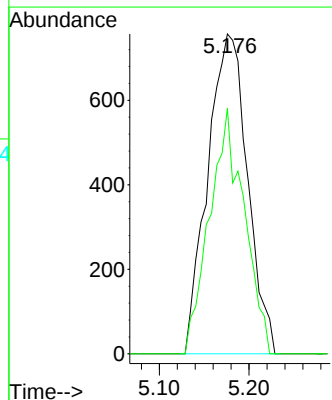
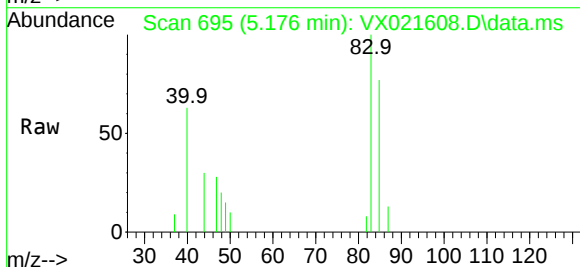
RT: 5.176 min Scan# 695

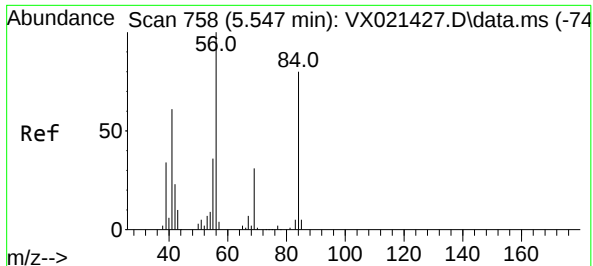
Delta R.T. -0.000 min

Lab File: VX021608.D

Acq: 30 Mar 2021 04:11

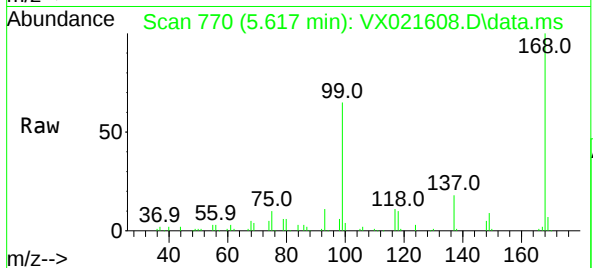
Tgt Ion:	83	Resp:	2326
Ion	Ratio	Lower	Upper
83	100		
85	76.8	52.0	78.0



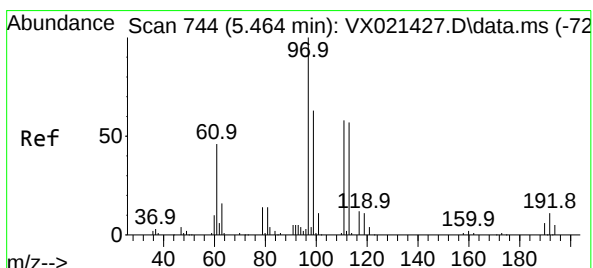
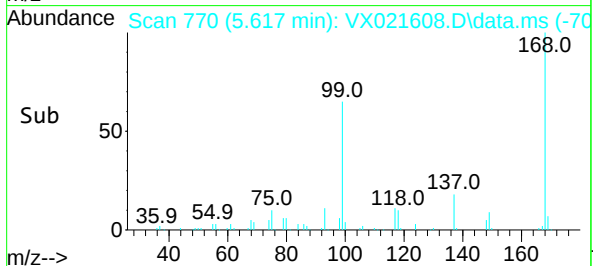
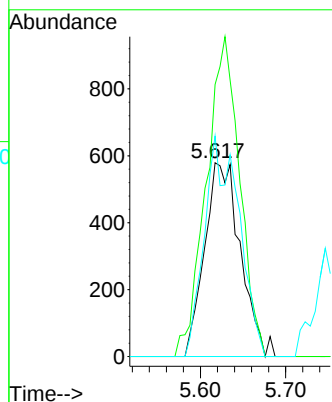


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.617 min Scan# 770
Delta R.T. 0.070 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Instrument :
MSVOA_X
ClientSampled :

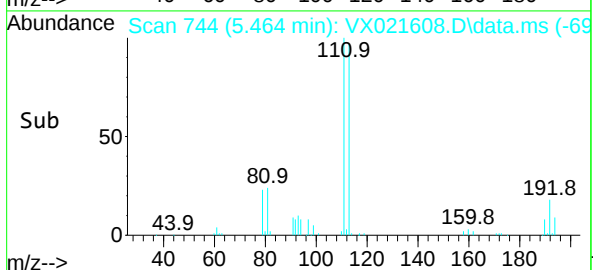
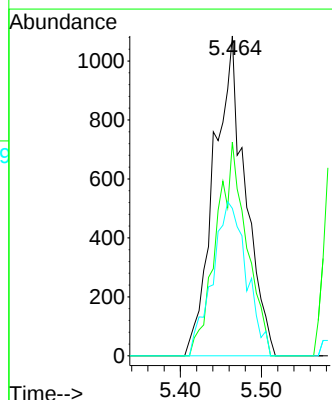
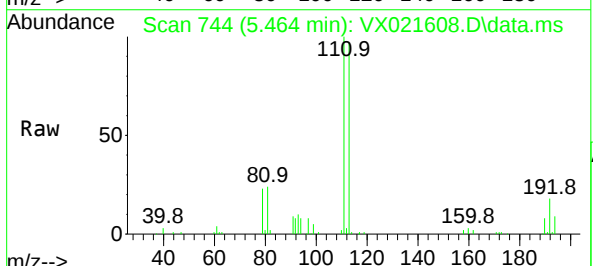


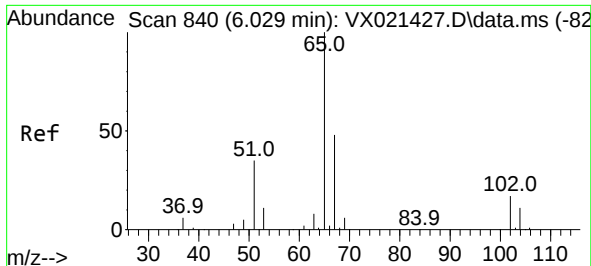
Tgt Ion: 56 Resp: 1689
Ion Ratio Lower Upper
56 100
69 140.4 25.3 37.9#
84 113.8 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 2.44 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 97 Resp: 2911
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 52.3 34.2 51.4#

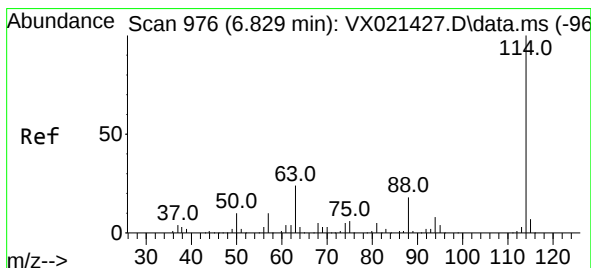
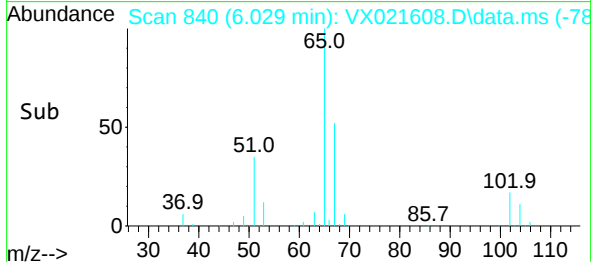
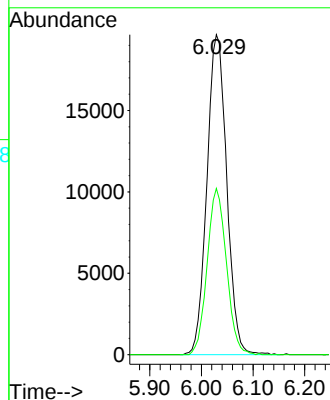
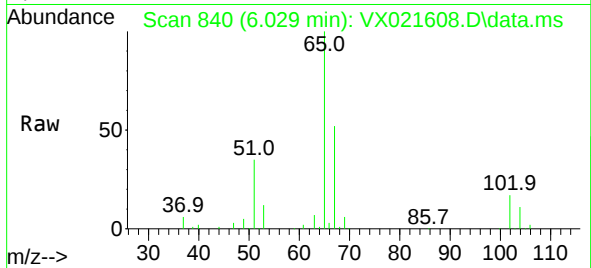




#33
 1,2-Dichloroethane-d4
 Concen: 52.92 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021608.D
 Acq: 30 Mar 2021 04:11

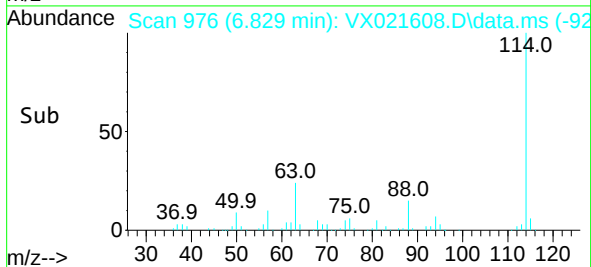
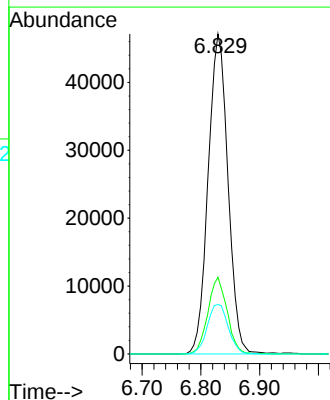
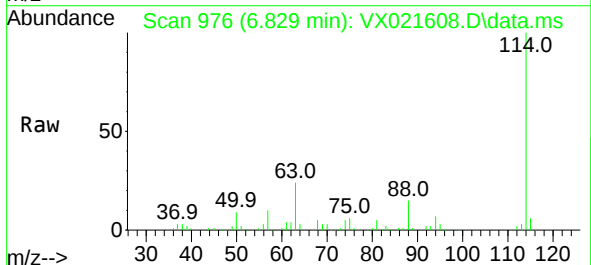
Instrument :
 MSVOA_X
 ClientSampled :

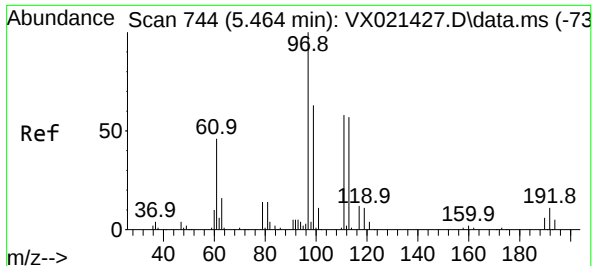
Tgt Ion: 65 Resp: 52337
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: VX021608.D
 Acq: 30 Mar 2021 04:11

Tgt Ion: 114 Resp: 110344
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 40.8
 88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.47 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021608.D

Acq: 30 Mar 2021 04:11

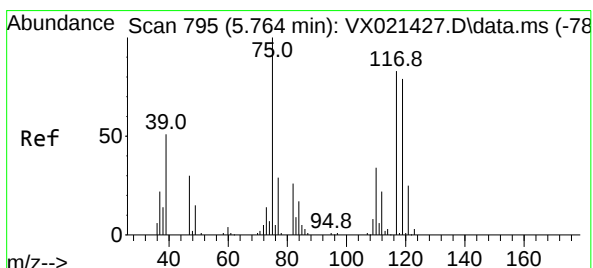
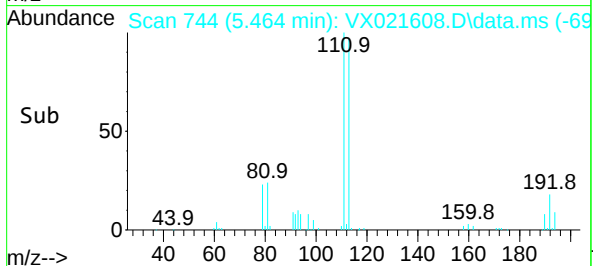
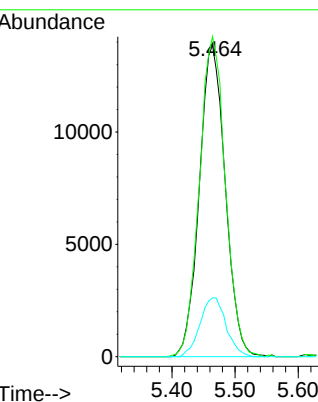
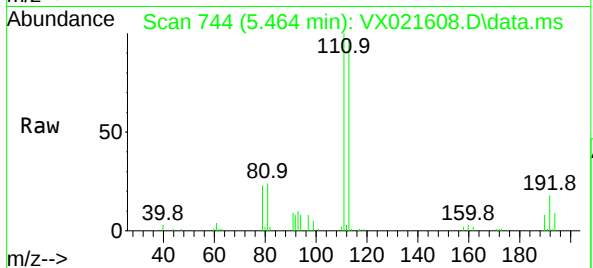
Tgt Ion:113 Resp: 39562

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.98 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.135 min

Lab File: VX021608.D

Acq: 30 Mar 2021 04:11

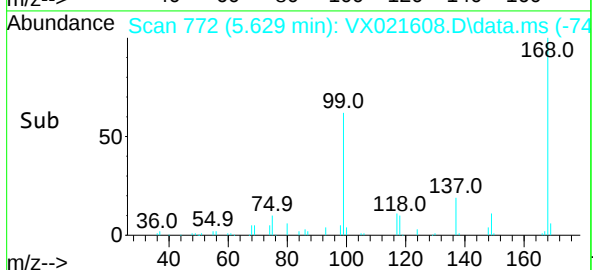
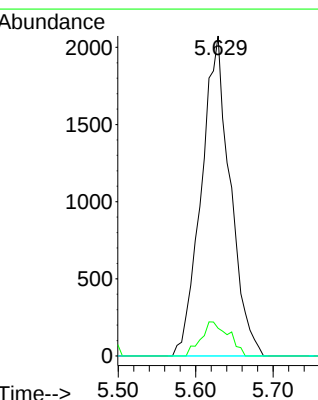
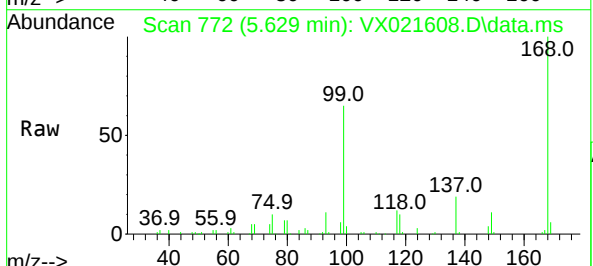
Tgt Ion: 75 Resp: 5382

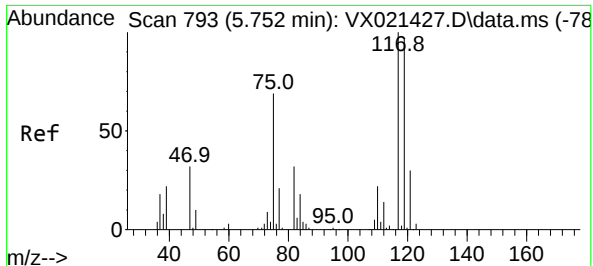
Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

77 0.0 25.3 37.9#

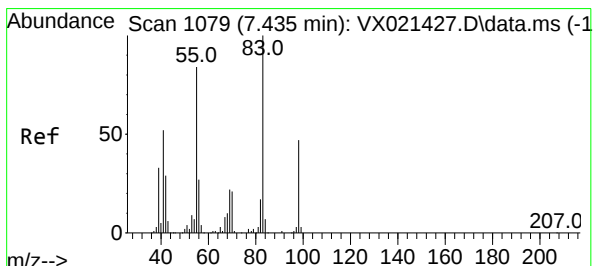
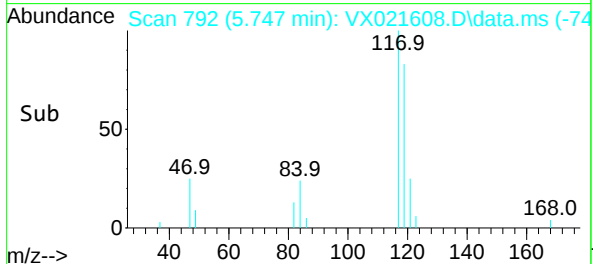
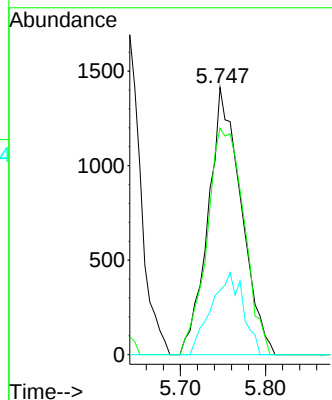
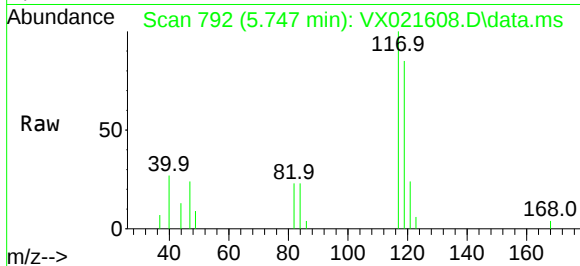




#38
Carbon Tetrachloride
Concen: 3.28 ug/l
RT: 5.747 min Scan# 792
Delta R.T. -0.005 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

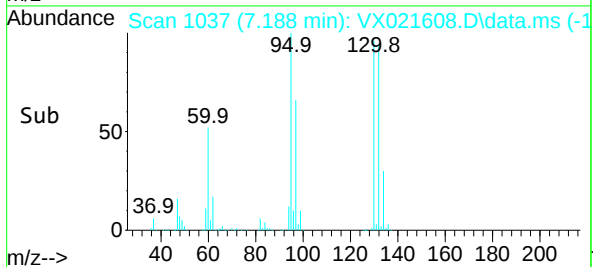
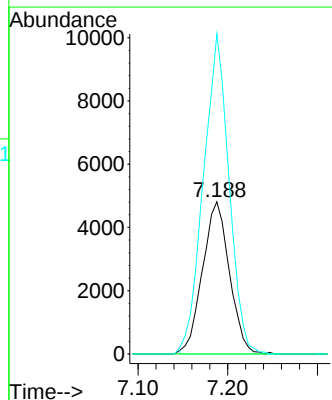
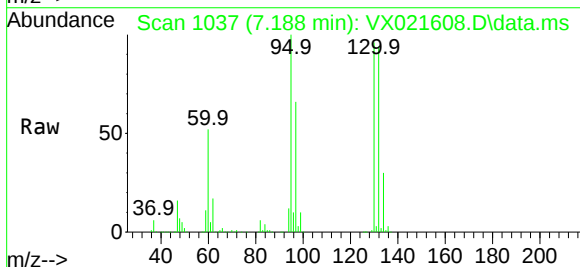
Instrument :
MSVOA_X
ClientSampled :

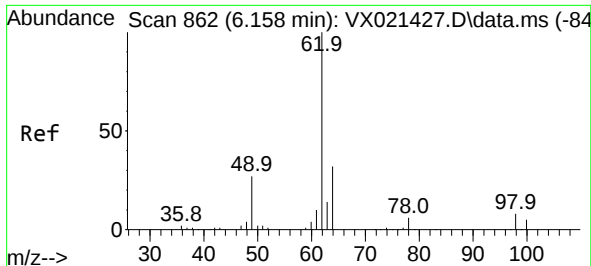
Tgt Ion:117 Resp: 3806
Ion Ratio Lower Upper
117 100
119 84.8 76.2 114.2
121 24.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 8.34 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 83 Resp: 9999
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 210.4 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.65 ug/l

RT: 6.152 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX021608.D

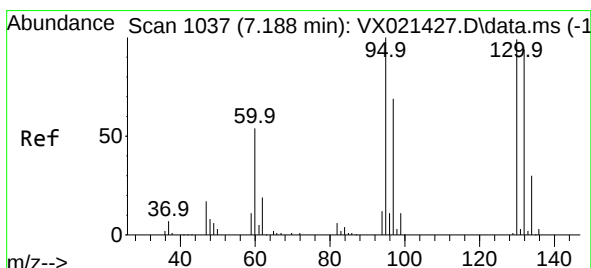
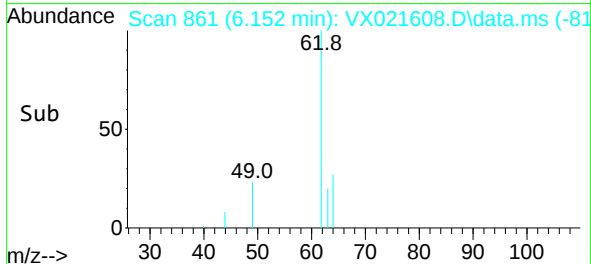
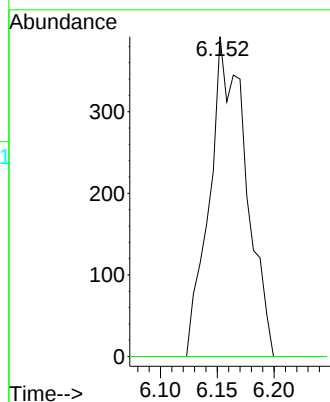
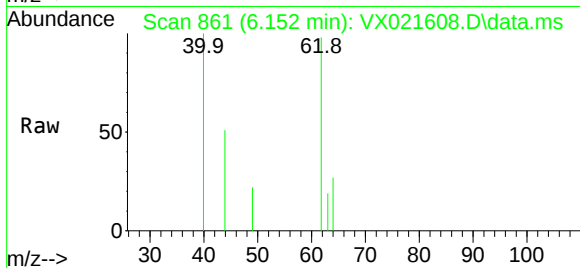
Acq: 30 Mar 2021 04:11

Tgt Ion: 62 Resp: 871

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 905.52 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021608.D

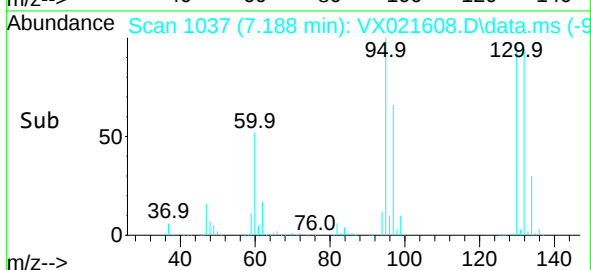
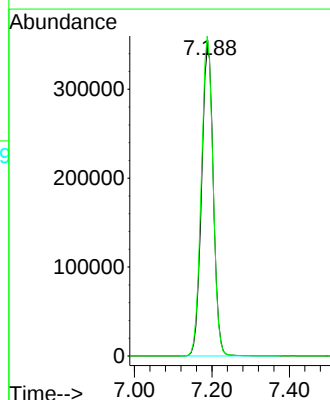
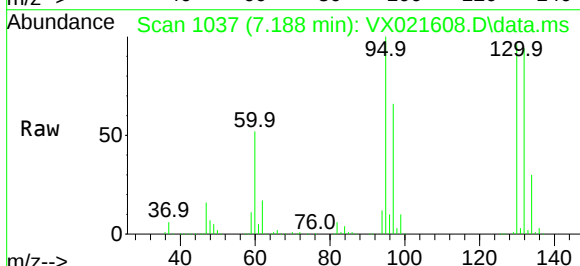
Acq: 30 Mar 2021 04:11

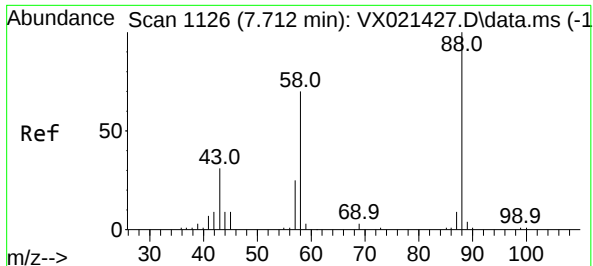
Tgt Ion:130 Resp: 733649

Ion Ratio Lower Upper

130 100

95 104.2 0.0 198.0

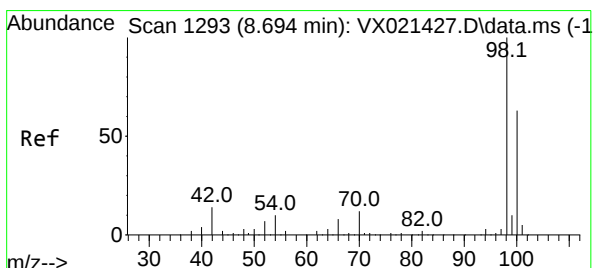
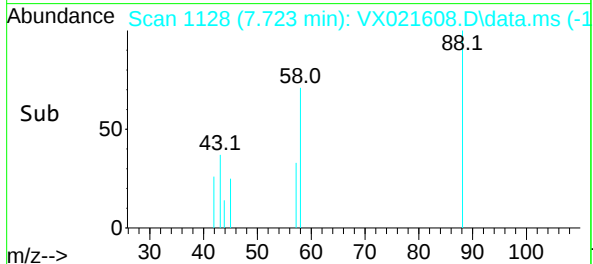
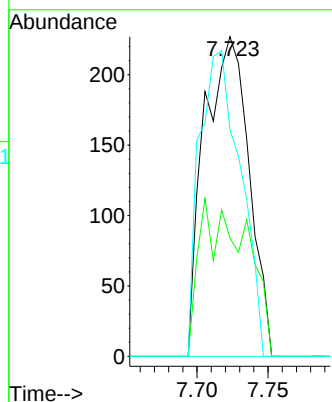
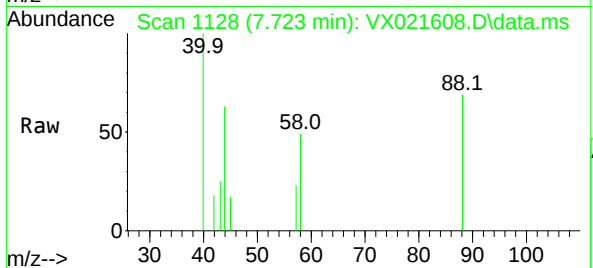




#49
1,4-Dioxane
Concen: 25.59 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

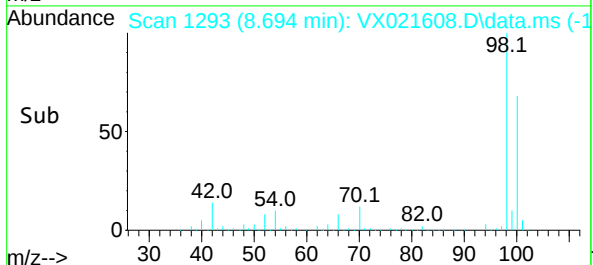
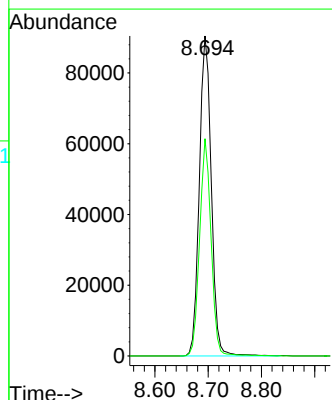
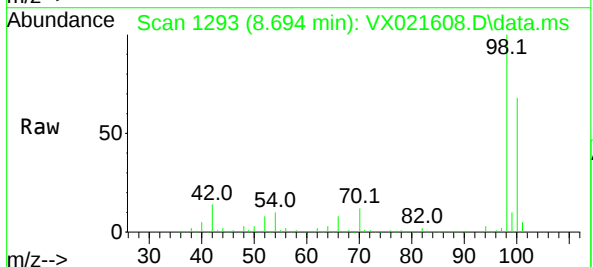
Instrument :
MSVOA_X
ClientSampled :

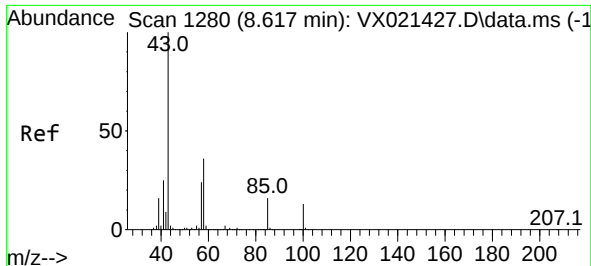
Tgt Ion: 88 Resp: 496
Ion Ratio Lower Upper
88 100
43 17.7 23.2 34.8#
58 87.5 55.0 82.4#



#50
Toluene-d8
Concen: 50.54 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 98 Resp: 141158
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

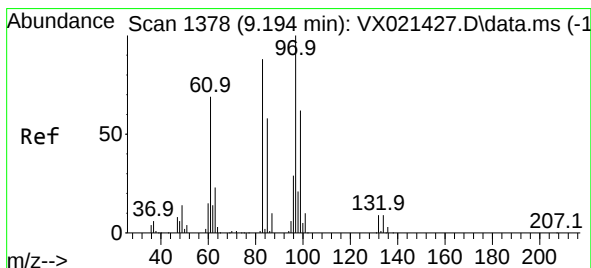
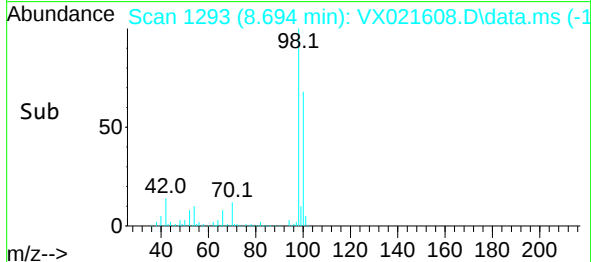
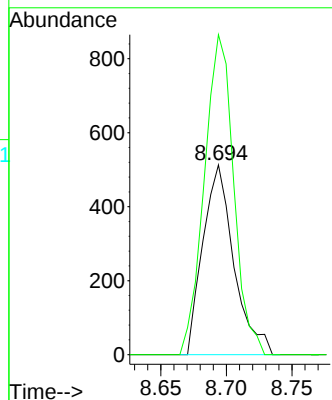
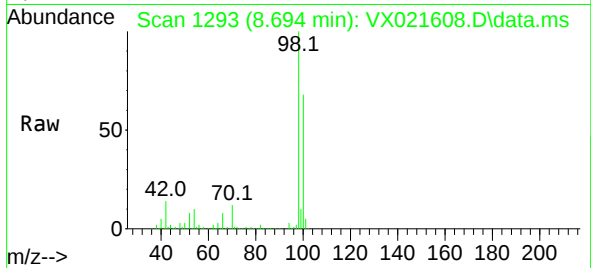




#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

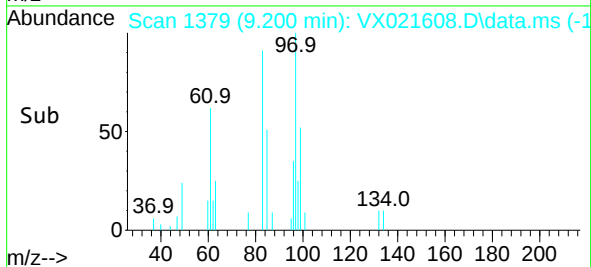
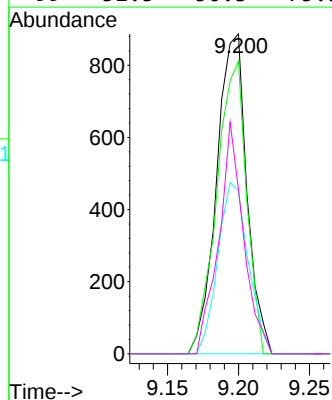
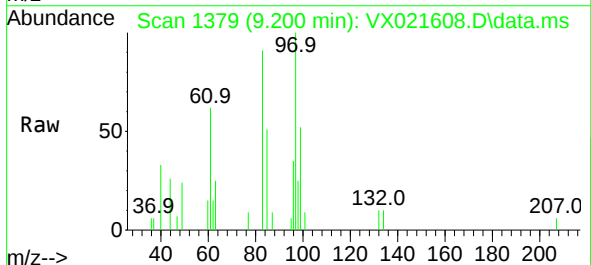
Instrument :
MSVOA_X
ClientSampled :

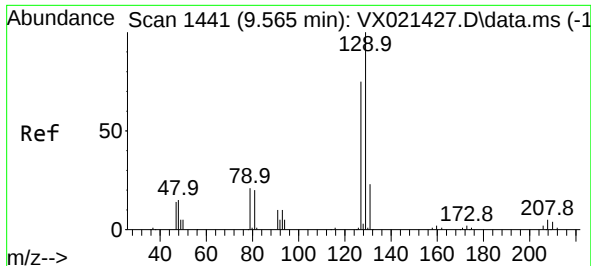
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 159.8 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 1.64 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 97 Resp: 1313
Ion Ratio Lower Upper
97 100
83 91.4 69.3 103.9
85 51.0 44.3 66.5
99 51.5 50.3 75.5

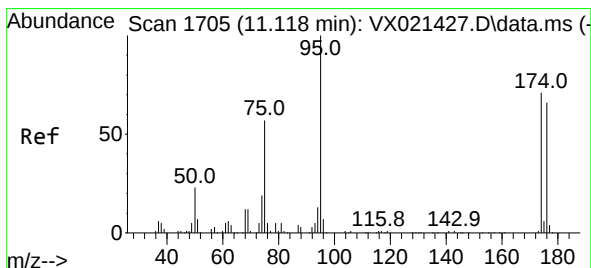
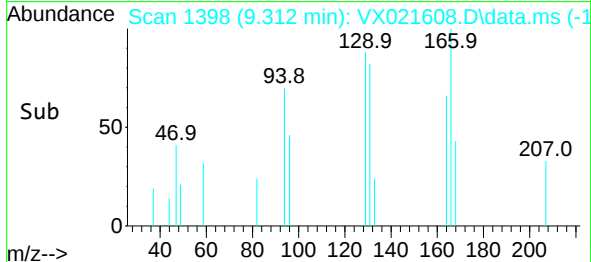
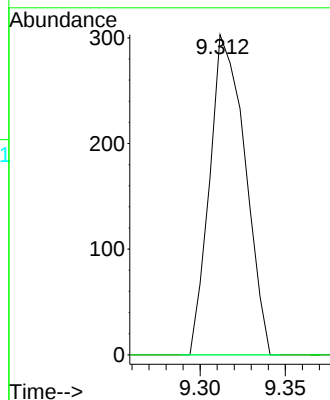
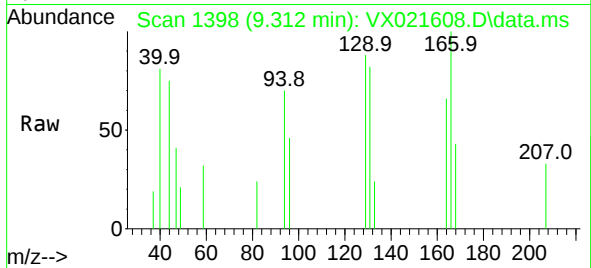




#60
Dibromochloromethane
Concen: 0.49 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.253 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

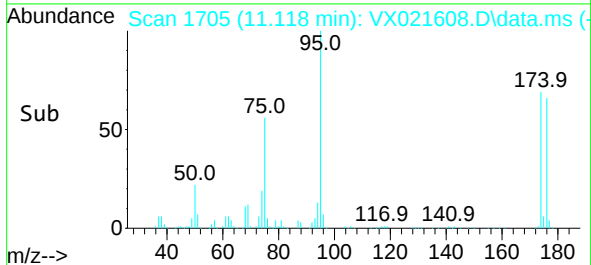
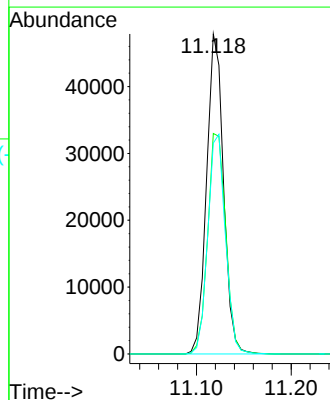
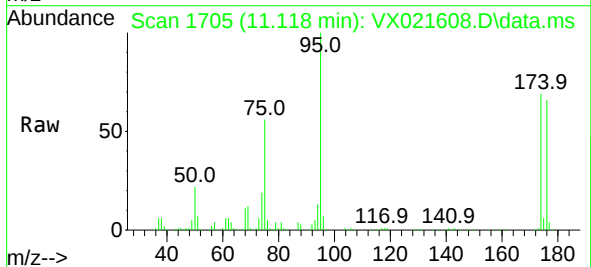
Instrument :
MSVOA_X
ClientSampled :

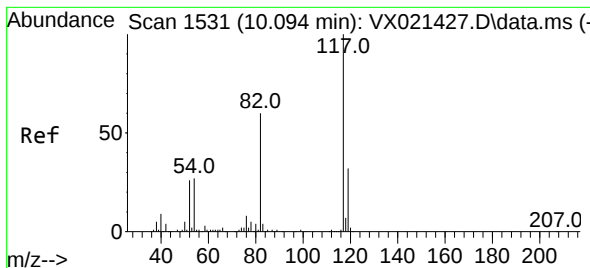
Tgt Ion:129 Resp: 437
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.54 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion: 95 Resp: 59228
Ion Ratio Lower Upper
95 100
174 73.9 0.0 154.6
176 71.6 0.0 155.8

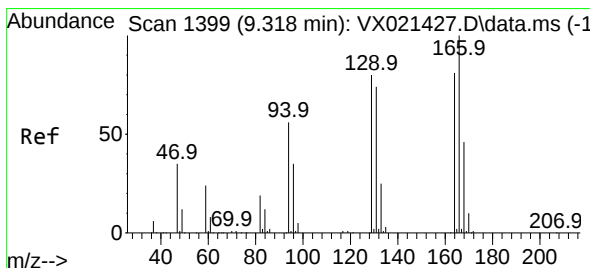
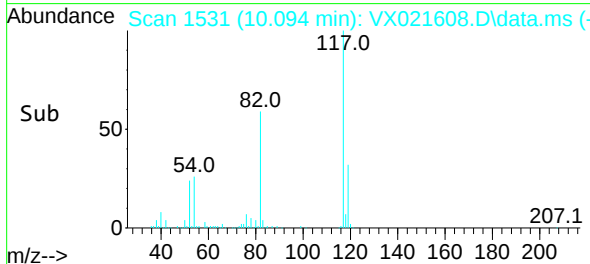
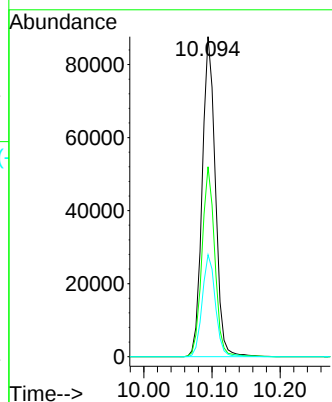
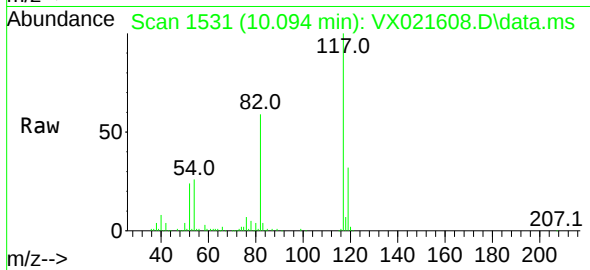




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

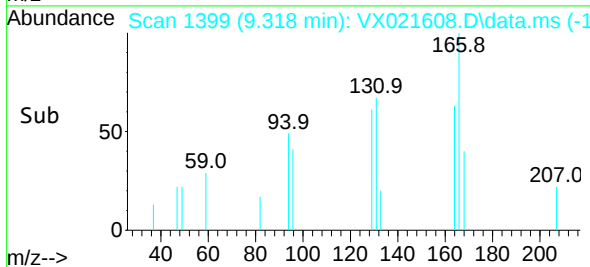
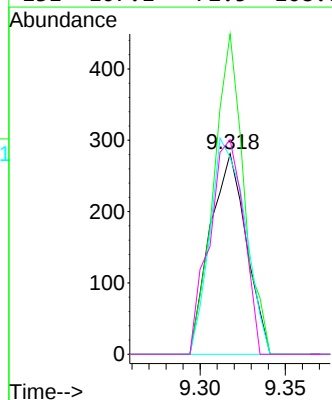
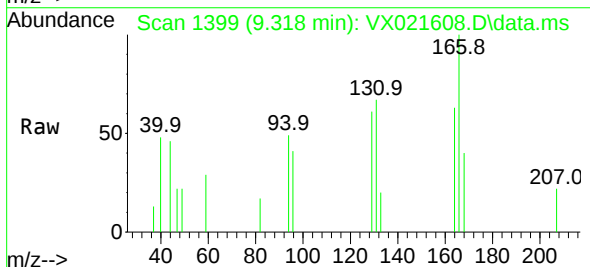
Instrument :
MSVOA_X
ClientSampled :

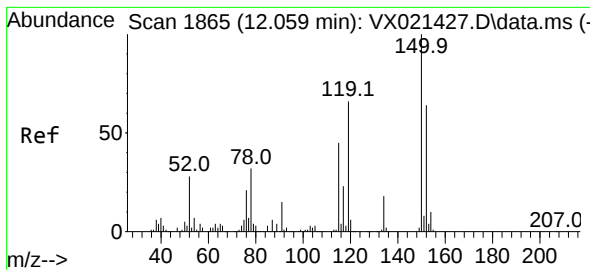
Tgt Ion:117 Resp: 117448
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 31.9 26.6 39.8



#64
Tetrachloroethene
Concen: 0.53 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021608.D
Acq: 30 Mar 2021 04:11

Tgt Ion:164 Resp: 414
Ion Ratio Lower Upper
164 100
166 159.8 103.4 155.2#
129 98.2 70.8 106.2
131 107.1 72.5 108.7

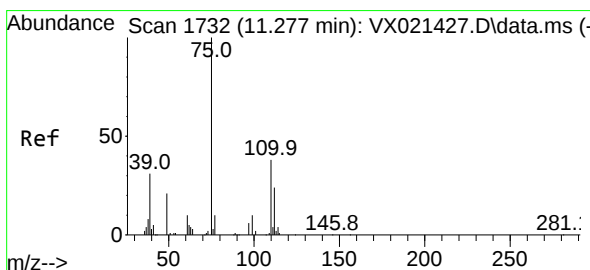
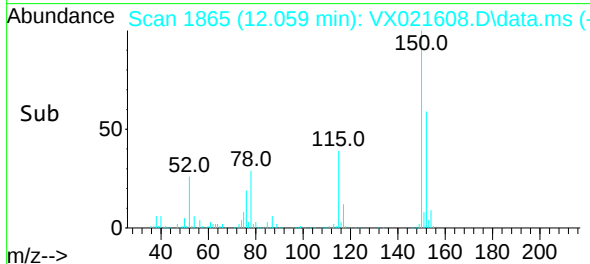
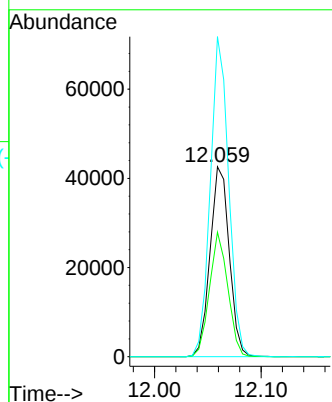
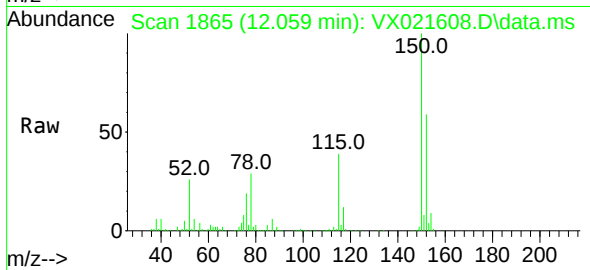




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021608.D
 Acq: 30 Mar 2021 04:11

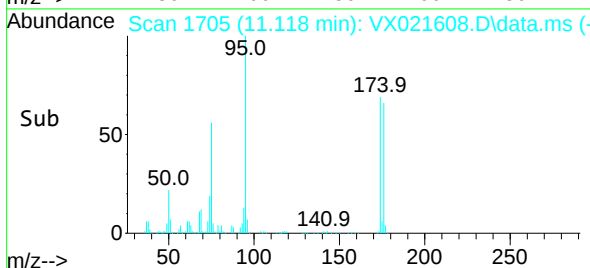
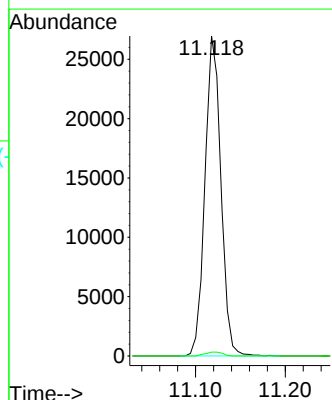
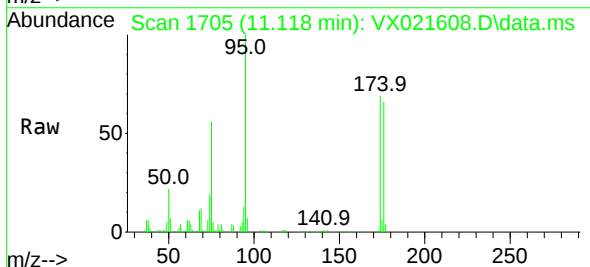
Instrument :
 MSVOA_X
 ClientSampleId :

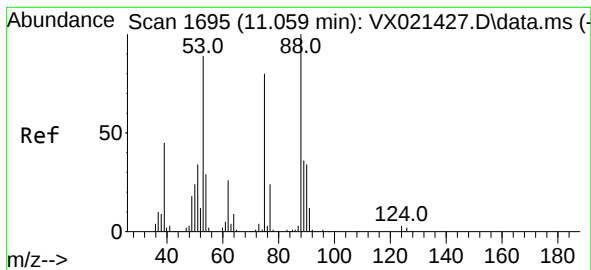
Tgt Ion:152 Resp: 53372
 Ion Ratio Lower Upper
 152 100
 115 62.5 41.1 123.3
 150 160.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.79 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021608.D
 Acq: 30 Mar 2021 04:11

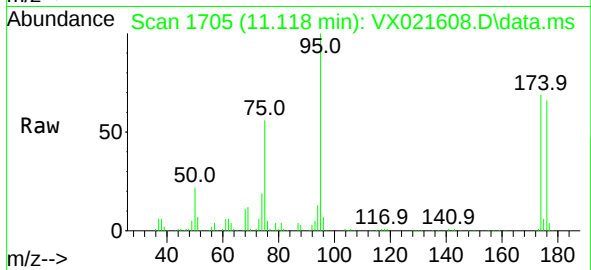
Tgt Ion: 75 Resp: 33281
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.59 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021608.D
 Acq: 30 Mar 2021 04:11

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33281
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

