

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042221\
 Data File : VX021818.D
 Acq On : 22 Apr 2021 15:48
 Operator : JC/MD
 Sample : M2131-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 23 07:43:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

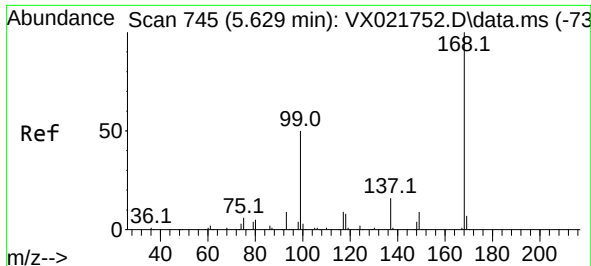
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	159096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	287713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	302215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	161249	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	90946	50.39	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.78%	
35) Dibromofluoromethane	5.465	113	91837	49.91	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.82%	
50) Toluene-d8	8.696	98	350165	49.50	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.00%	
62) 4-Bromofluorobenzene	11.122	95	153201	57.99	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.98%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	1308	0.95	ug/l	90
10) Methyl Iodide	2.502	142	55	8.18	ug/l #	42
11) Tert butyl alcohol	3.020	59	148	0.37	ug/l #	1
12) 1,1-Dichloroethene	2.361	96	679	0.46	ug/l	81
13) Acrolein	2.227	56	113	0.35	ug/l #	14
16) Acetone	2.416	43	187793	302.65	ug/l	99
17) Carbon Disulfide	2.557	76	959	0.23	ug/l	96
18) Methyl Acetate	2.752	43	1010	0.60	ug/l	97
20) Methylene Chloride	2.831	84	1237	0.66	ug/l #	82
25) 2-Butanone	4.635	43	2194	2.09	ug/l #	79
27) cis-1,2-Dichloroethene	4.556	96	1410	0.74	ug/l	81
28) Bromochloromethane	5.172	49	1763	1.51	ug/l #	9
30) Chloroform	5.172	83	25670	8.43	ug/l	92
31) Cyclohexane	5.544	56	619	0.24	ug/l #	68
36) 1,1-Dichloropropene	5.629	75	10982	4.32	ug/l #	48
38) Carbon Tetrachloride	5.629	117	15062	5.42	ug/l #	16
39) Methylcyclohexane	7.440	83	1286	0.39	ug/l #	84
40) Benzene	6.111	78	4223	0.56	ug/l	96
44) Trichloroethene	7.184	130	2500	1.13	ug/l	99
47) Bromodichloromethane	7.873	83	6611	2.33	ug/l	96
51) 4-Methyl-2-Pentanone	8.616	43	680	0.28	ug/l #	68
52) Toluene	8.769	92	1245	0.25	ug/l	78
59) 2-Hexanone	9.470	43	443	0.25	ug/l #	27
60) Dibromochloromethane	9.561	129	2745	1.12	ug/l	95
71) Bromoform	10.842	173	562	0.26	ug/l #	97
76) 1,2,3-Trichloropropane	11.116	75	69407	21.71	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	69407	49.91	ug/l #	12

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

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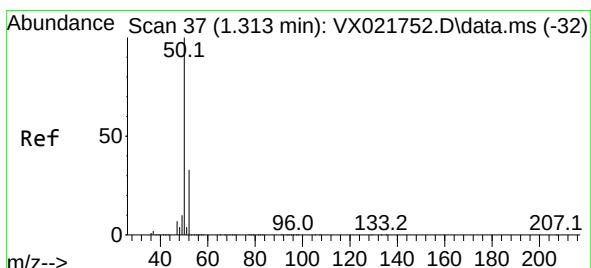
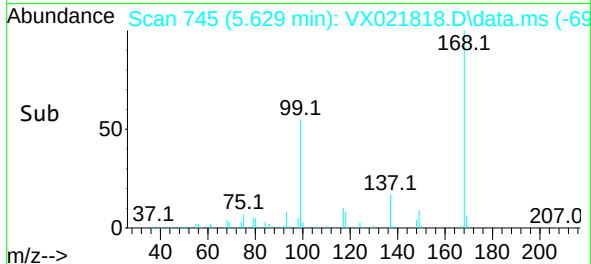
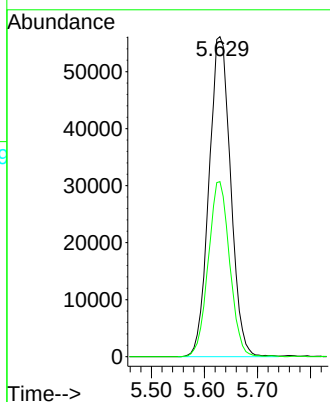
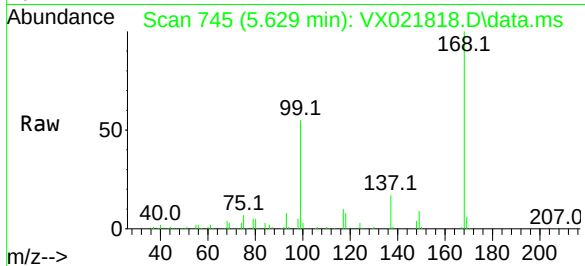




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

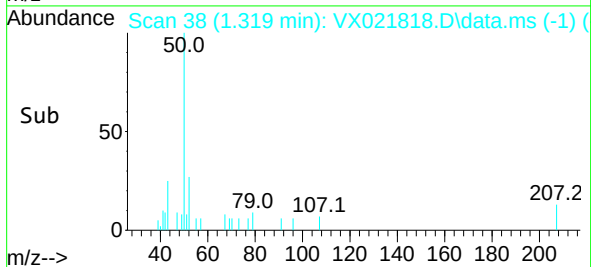
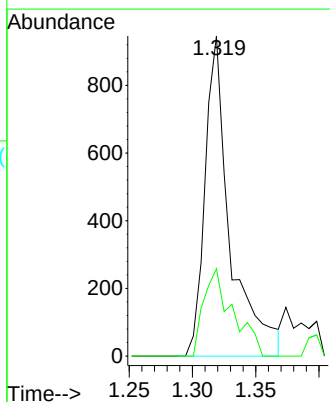
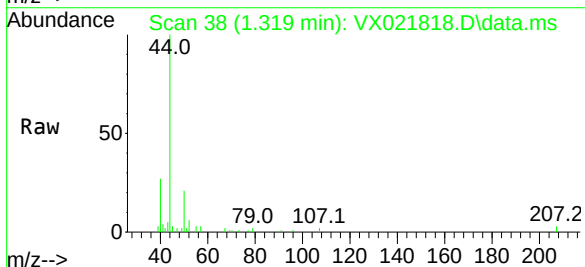
Instrument :
MSVOA_X
ClientSampled :

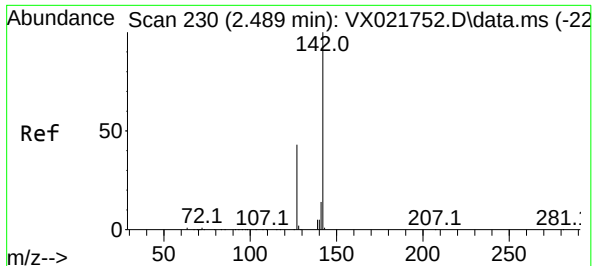
Tgt Ion:168 Resp: 159096
Ion Ratio Lower Upper
168 100
99 54.7 45.8 68.6



#3
Chloromethane
Concen: 0.95 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 50 Resp: 1308
Ion Ratio Lower Upper
50 100
52 27.3 26.4 39.6





#10

Methyl Iodide

Concen: 8.18 ug/l

RT: 2.502 min Scan# 232

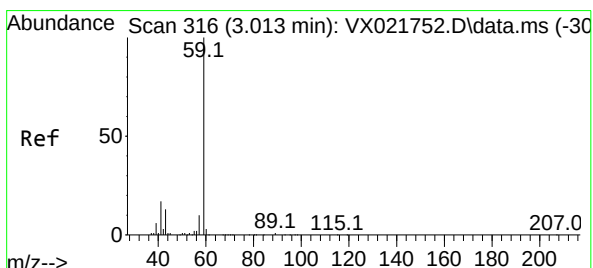
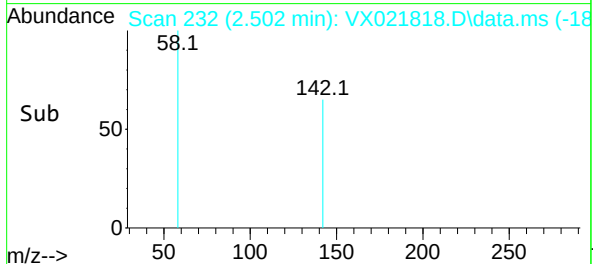
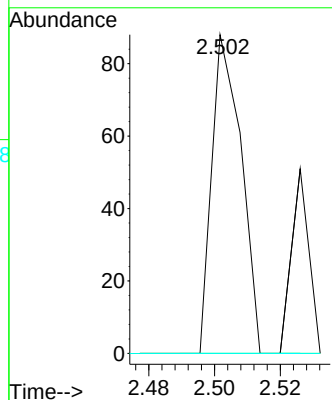
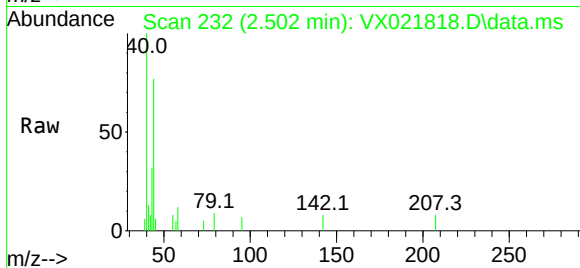
Delta R.T. 0.013 min

Lab File: VX021818.D

Acq: 22 Apr 2021 15:48

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:142	Resp:	55
Ion	Ratio	Lower Upper
142	100	
127	0.0	33.3 49.9#
141	0.0	11.4 17.0#



#11

Tert butyl alcohol

Concen: 0.37 ug/l

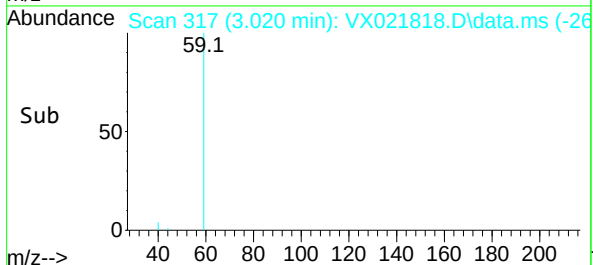
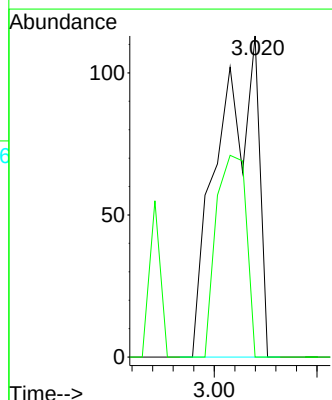
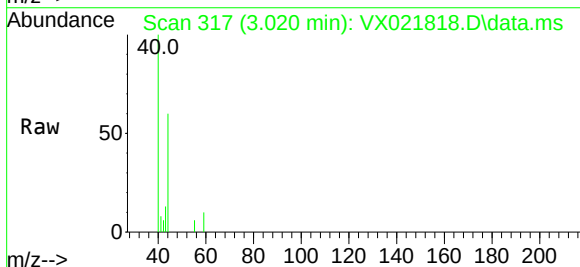
RT: 3.020 min Scan# 317

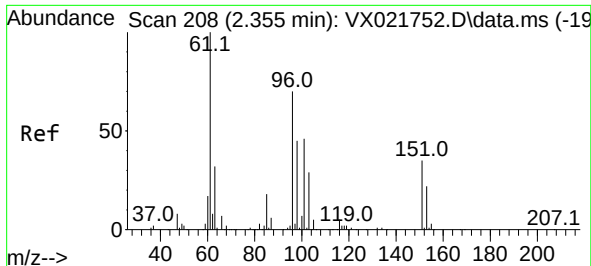
Delta R.T. 0.007 min

Lab File: VX021818.D

Acq: 22 Apr 2021 15:48

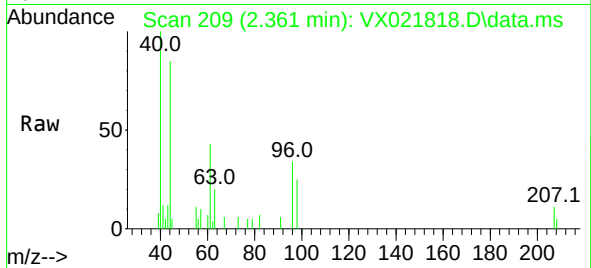
Tgt Ion: 59	Resp:	148
Ion	Ratio	Lower Upper
59	100	
57	48.6	7.8 11.8#



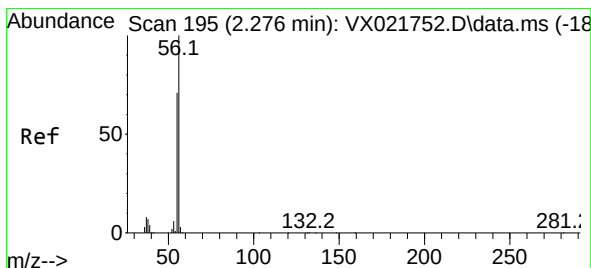
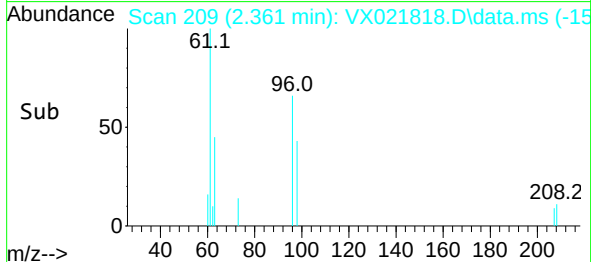
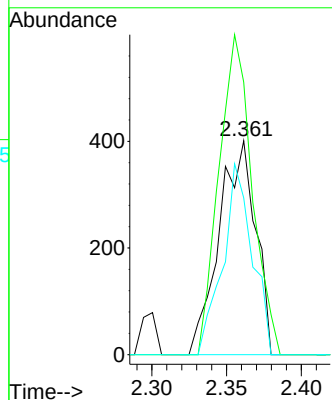


#12
1,1-Dichloroethene
Concen: 0.46 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.006 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Instrument :
MSVOA_X
ClientSampled :

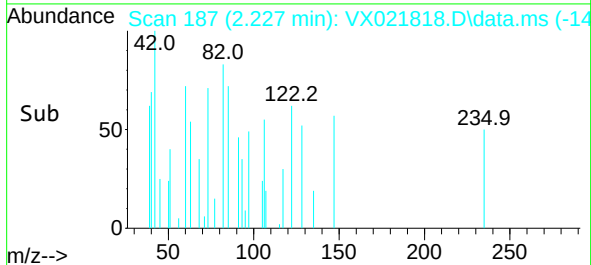
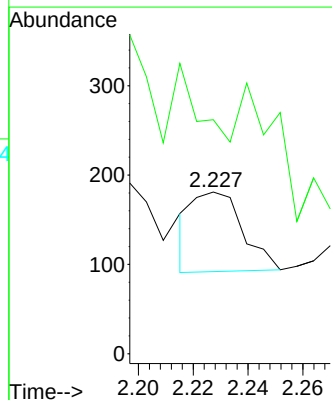
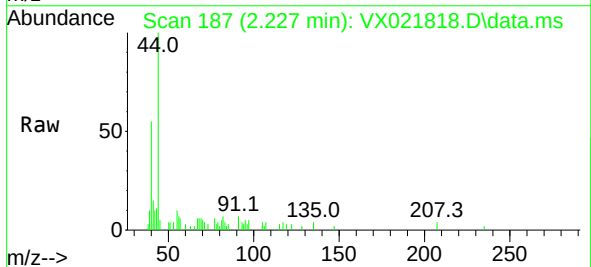


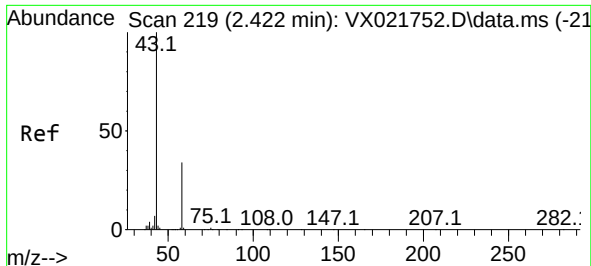
Tgt Ion: 96 Resp: 679
Ion Ratio Lower Upper
96 100
61 127.4 124.6 187.0
98 73.3 50.6 76.0



#13
Acrolein
Concen: 0.35 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.049 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

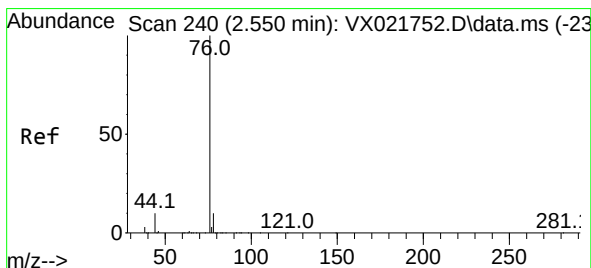
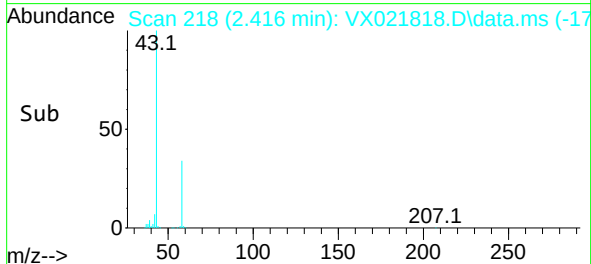
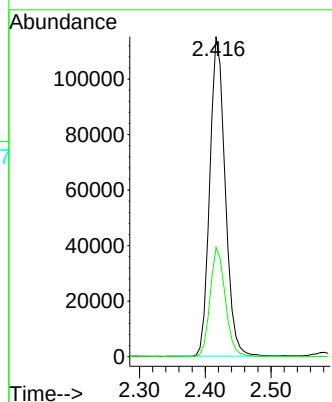
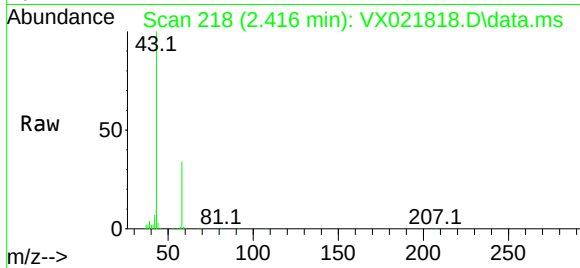




#16
Acetone
Concen: 302.65 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

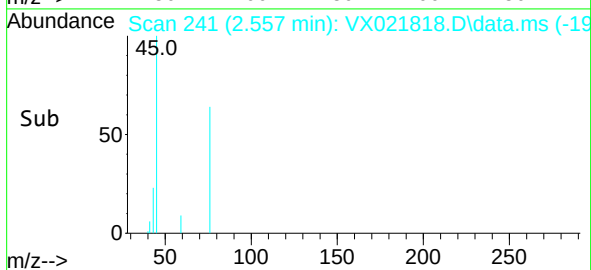
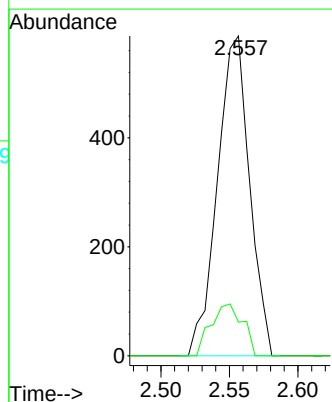
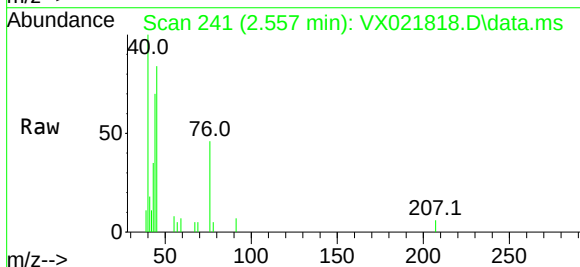
Instrument :
MSVOA_X
ClientSampled :

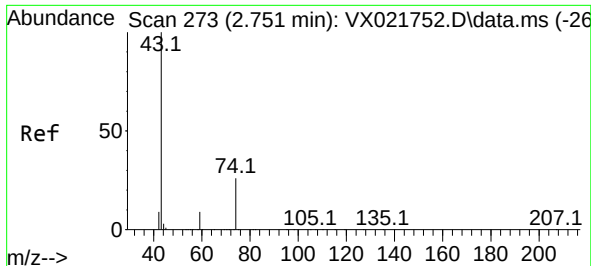
Tgt Ion: 43 Resp: 187793
Ion Ratio Lower Upper
43 100
58 34.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.557 min Scan# 241
Delta R.T. 0.007 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 76 Resp: 959
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8





#18

Methyl Acetate

Concen: 0.60 ug/l

RT: 2.752 min Scan# 273

Delta R.T. 0.001 min

Lab File: VX021818.D

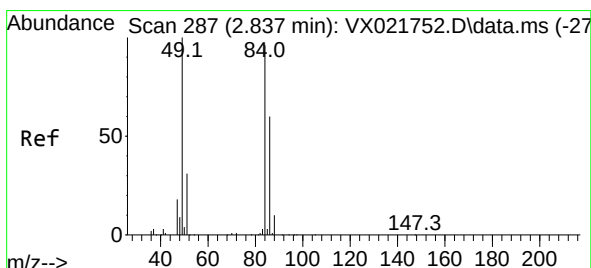
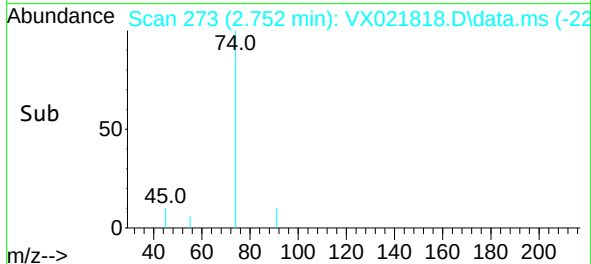
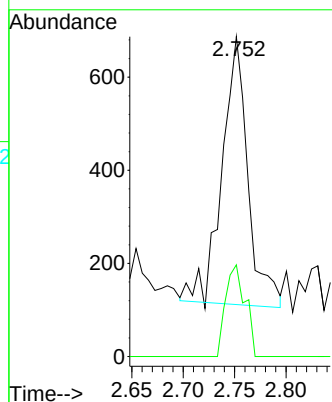
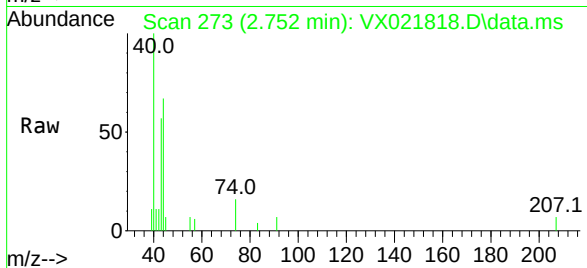
Acq: 22 Apr 2021 15:48

Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

74 25.7 21.9 32.9



#20

Methylene Chloride

Concen: 0.66 ug/l

RT: 2.831 min Scan# 286

Delta R.T. -0.006 min

Lab File: VX021818.D

Acq: 22 Apr 2021 15:48

Tgt Ion: 84 Resp: 1237

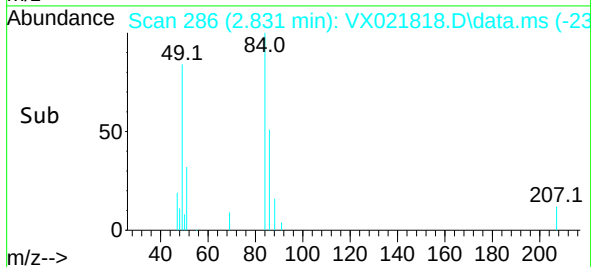
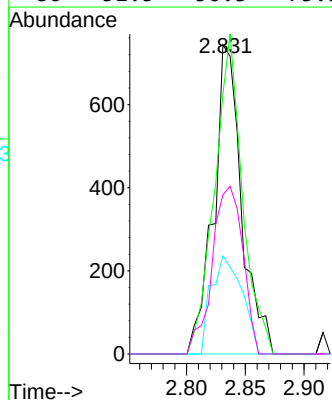
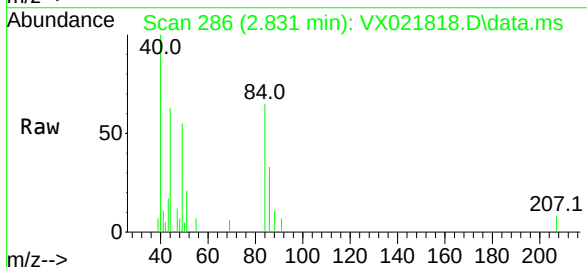
Ion Ratio Lower Upper

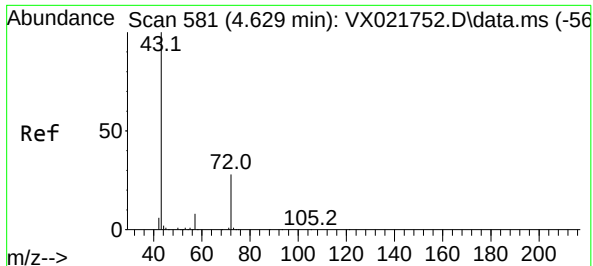
84 100

49 84.1 88.6 132.8#

51 31.7 27.0 40.6

86 51.5 50.3 75.5





#25

2-Butanone

Concen: 2.09 ug/l

RT: 4.635 min Scan# 582

Delta R.T. 0.006 min

Lab File: VX021818.D

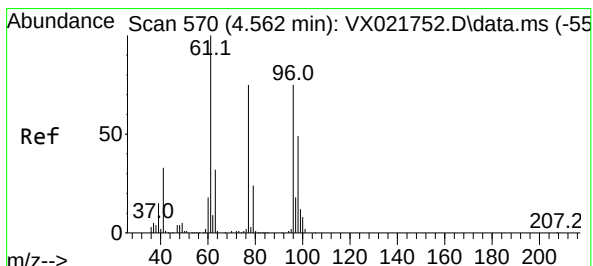
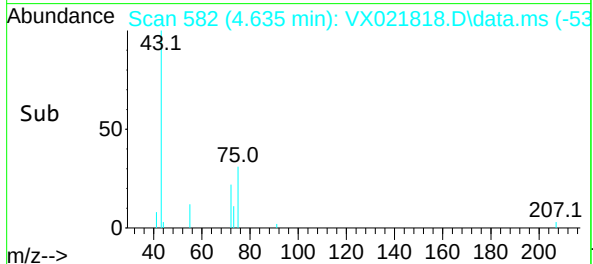
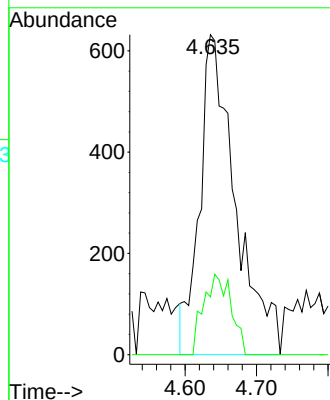
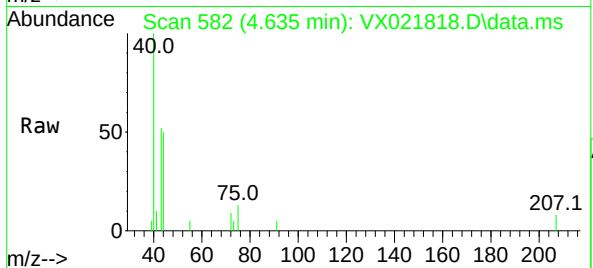
Acq: 22 Apr 2021 15:48

Tgt Ion: 43 Resp: 2194

Ion Ratio Lower Upper

43 100

72 18.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 0.74 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.006 min

Lab File: VX021818.D

Acq: 22 Apr 2021 15:48

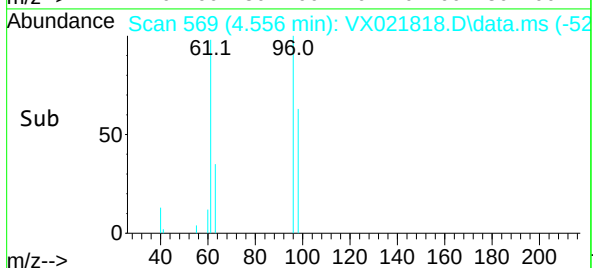
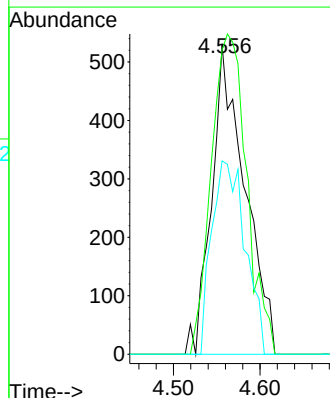
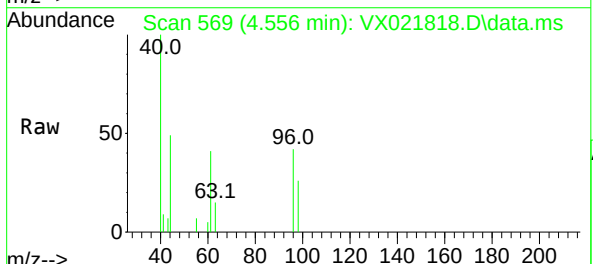
Tgt Ion: 96 Resp: 1410

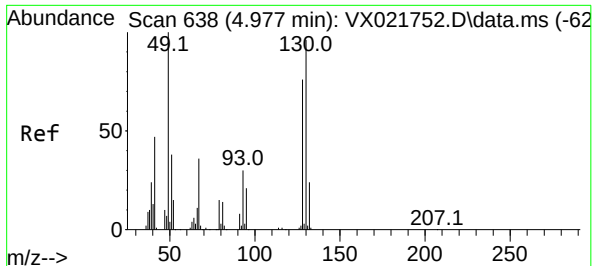
Ion Ratio Lower Upper

96 100

61 110.7 0.0 285.6

98 63.1 0.0 129.6

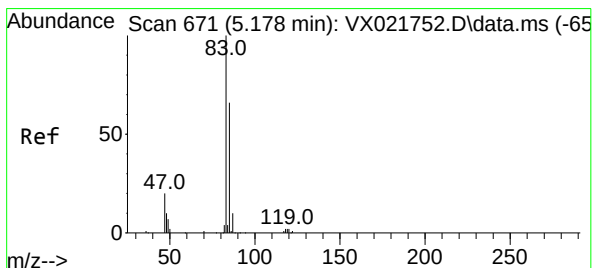
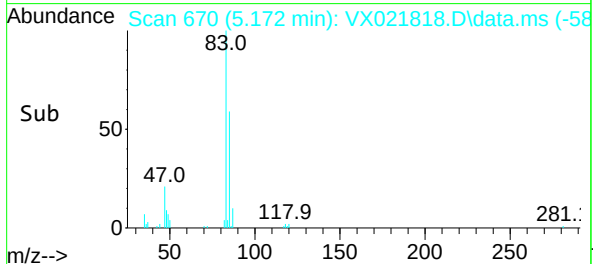
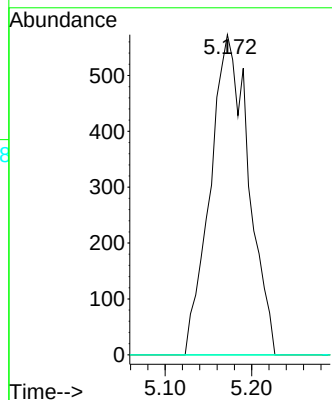
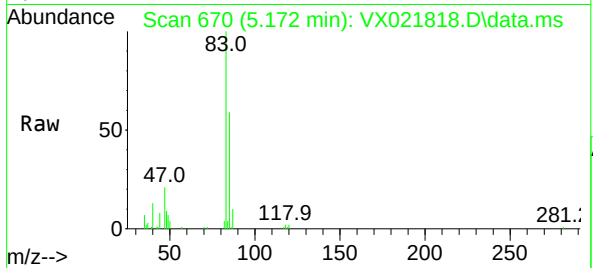




#28
Bromochloromethane
Concen: 1.51 ug/l
RT: 5.172 min Scan# 670
Delta R.T. 0.195 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

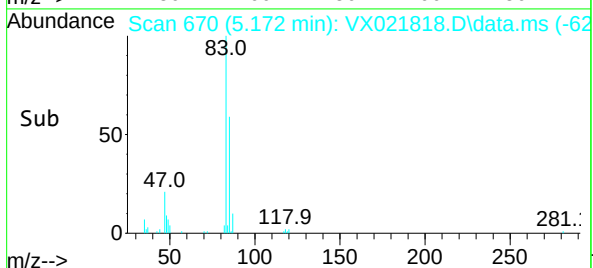
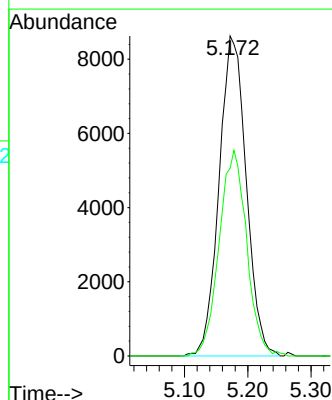
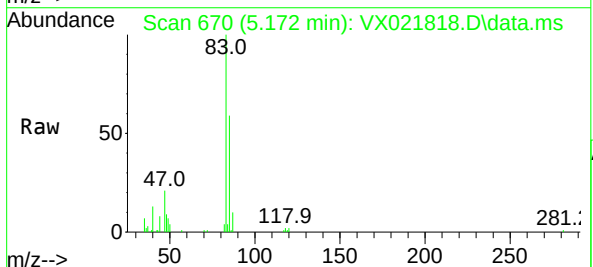
Instrument :
MSVOA_X
ClientSampled :

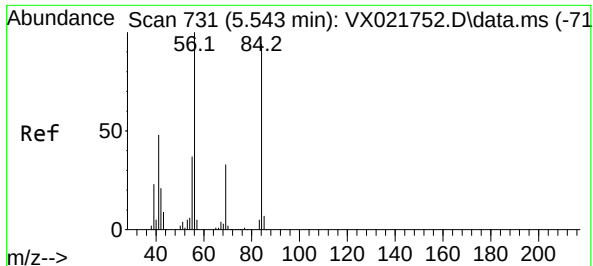
Tgt Ion: 49 Resp: 1763
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 8.43 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.006 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 83 Resp: 25670
Ion Ratio Lower Upper
83 100
85 58.7 52.0 78.0

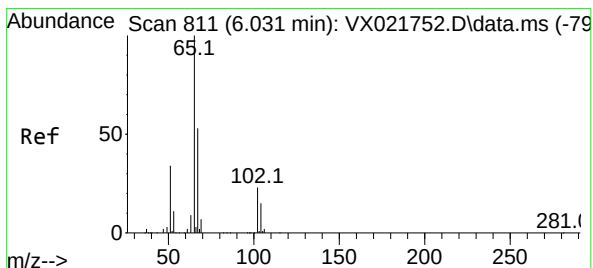
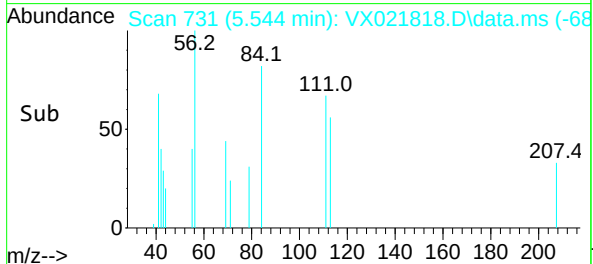
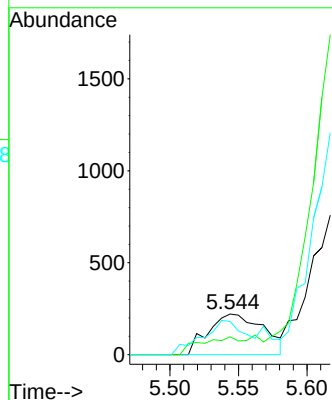
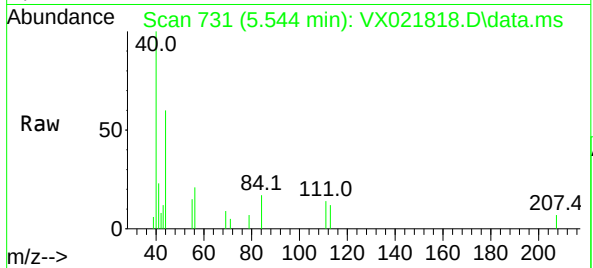




#31
Cyclohexane
Concen: 0.24 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

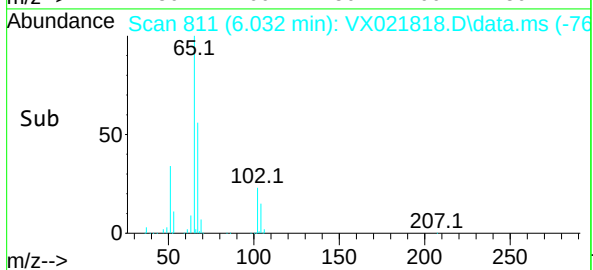
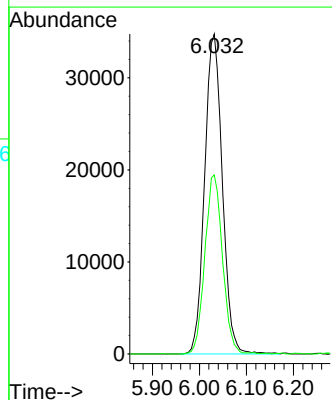
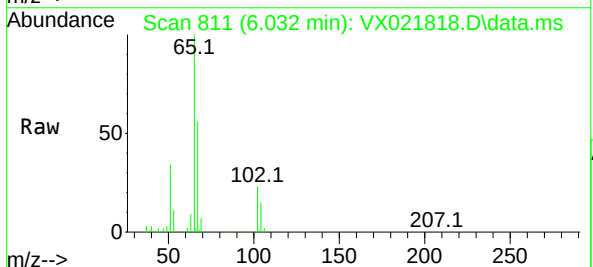
Instrument :
MSVOA_X
ClientSampleId :

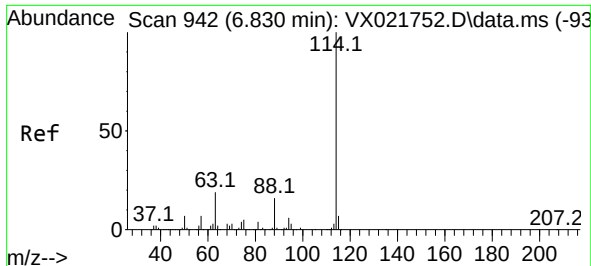
Tgt Ion: 56 Resp: 619
Ion Ratio Lower Upper
56 100
69 44.3 25.3 37.9#
84 56.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.39 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

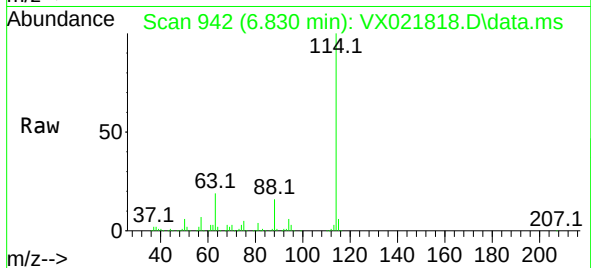
Tgt Ion: 65 Resp: 90946
Ion Ratio Lower Upper
65 100
67 55.6 0.0 105.4



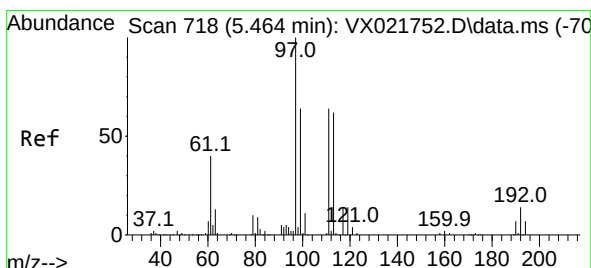
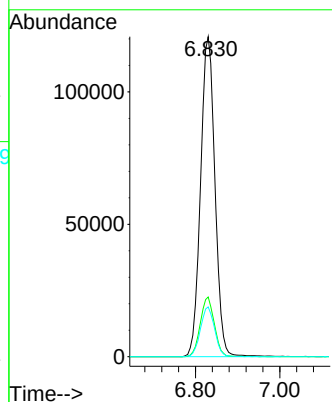
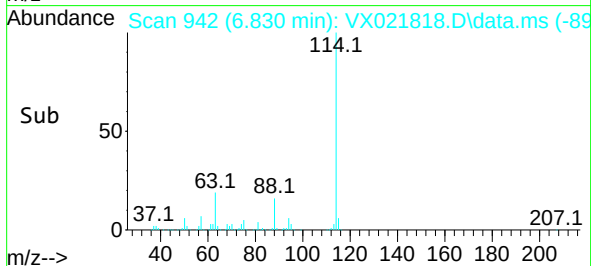


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

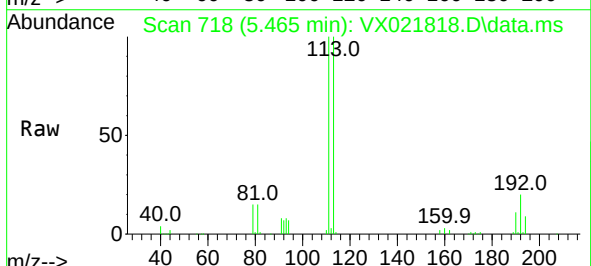
Instrument :
MSVOA_X
ClientSampleId :



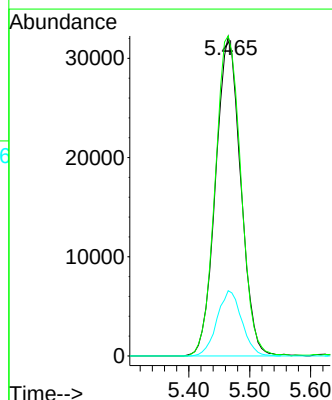
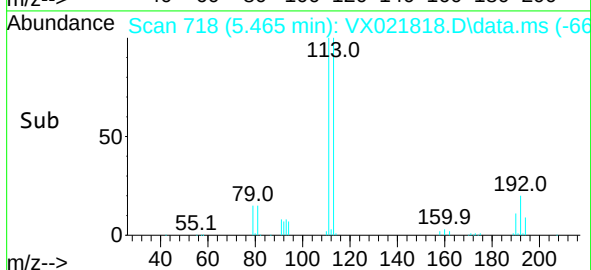
Tgt Ion:114 Resp: 287713
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.8
88 15.6 0.0 32.8

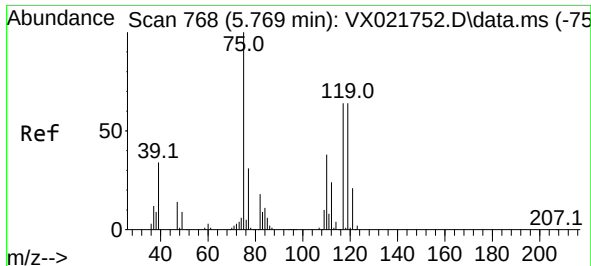


#35
Dibromofluoromethane
Concen: 49.91 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48



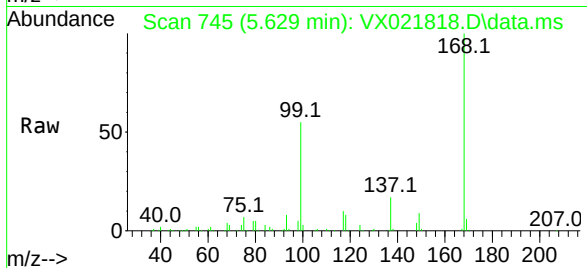
Tgt Ion:113 Resp: 91837
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 20.2 16.7 25.1



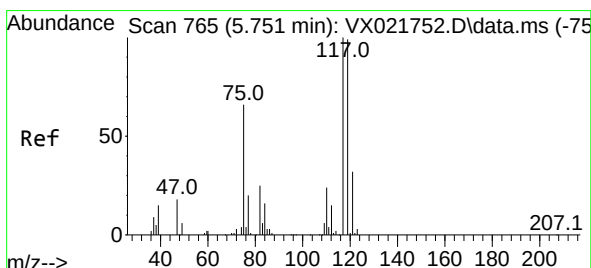
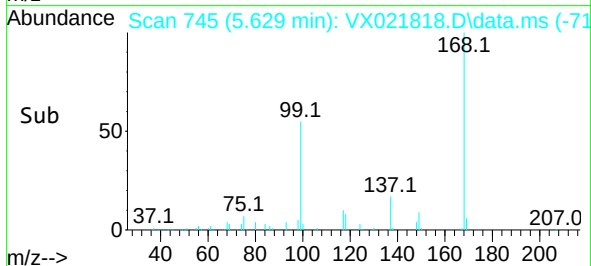
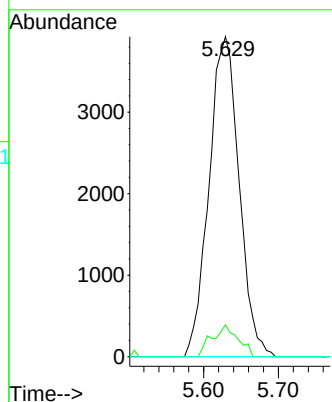


#36
1,1-Dichloropropene
Concen: 4.32 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Instrument :
MSVOA_X
ClientSampleId :

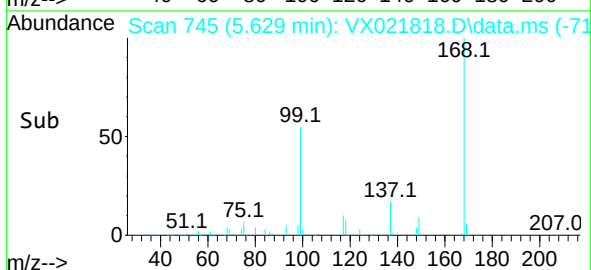
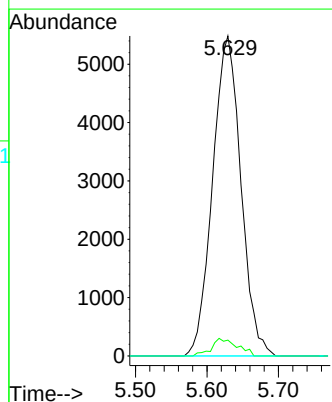
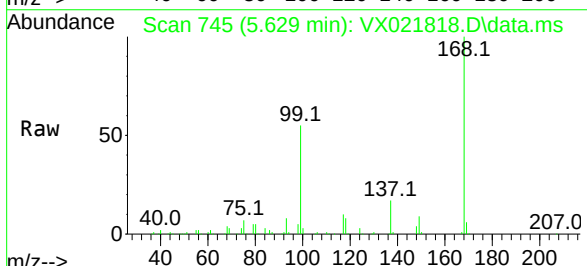


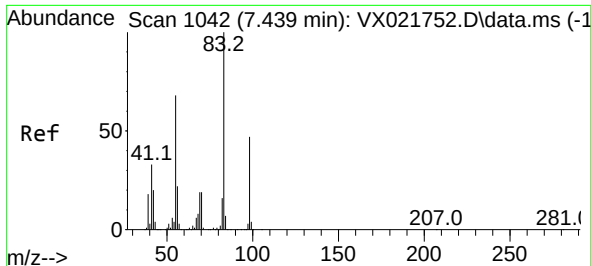
Tgt Ion: 75 Resp: 10982
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 117 Resp: 15062
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

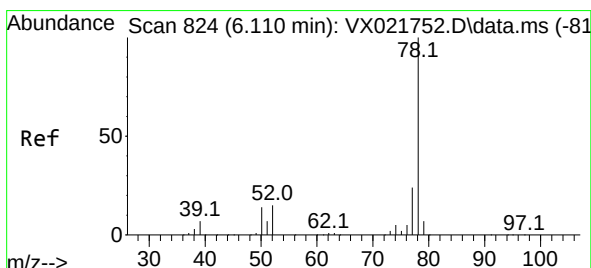
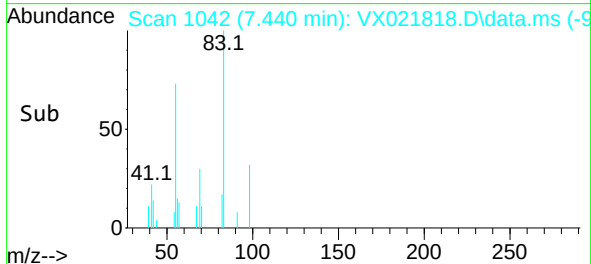
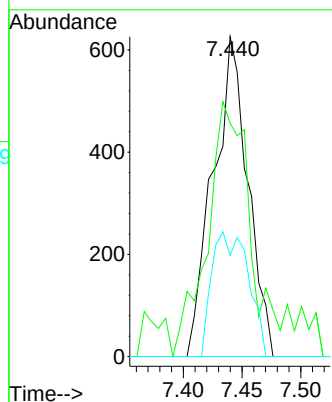
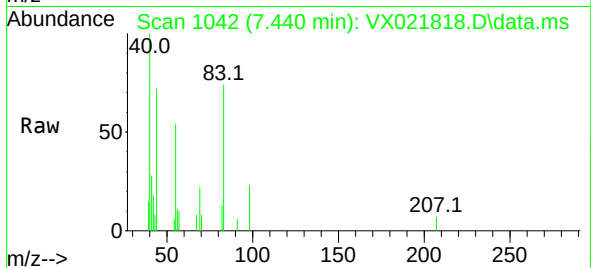




#39
Methylcyclohexane
Concen: 0.39 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

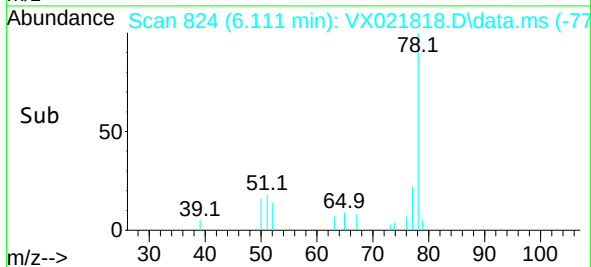
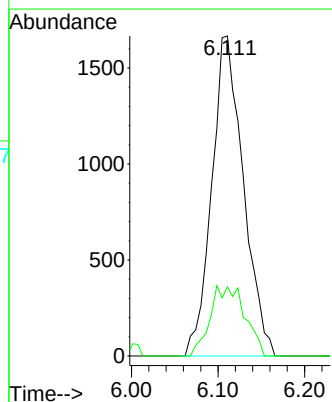
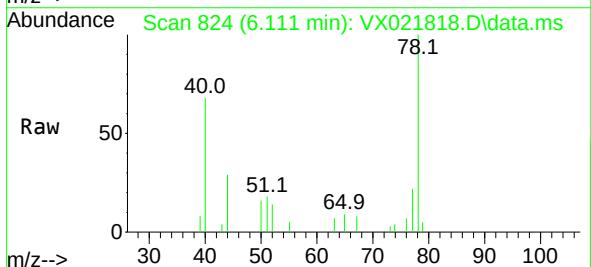
Instrument :
MSVOA_X
ClientSampleId :

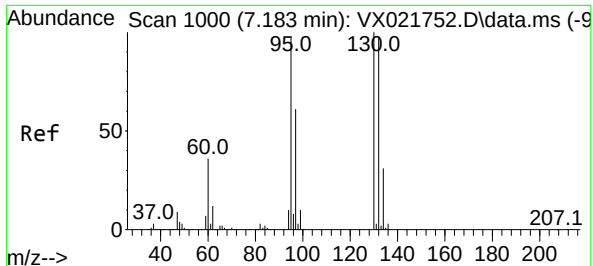
Tgt Ion: 83 Resp: 1286
Ion Ratio Lower Upper
83 100
55 64.9 58.9 88.3
98 31.6 38.1 57.1#



#40
Benzene
Concen: 0.56 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 78 Resp: 4223
Ion Ratio Lower Upper
78 100
77 21.6 18.9 28.3

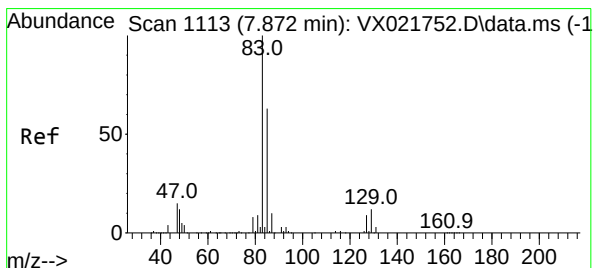
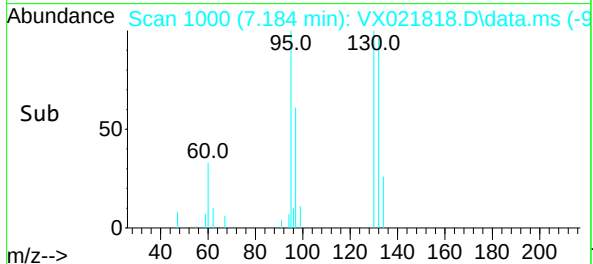
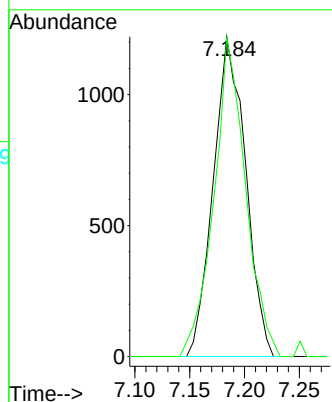
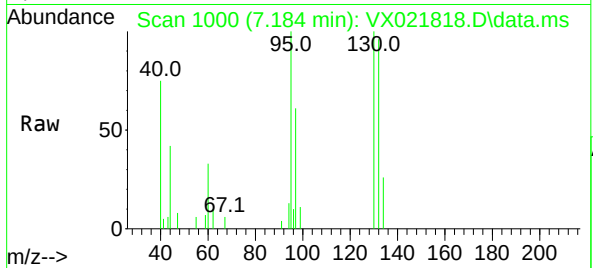




#44
Trichloroethene
Concen: 1.13 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

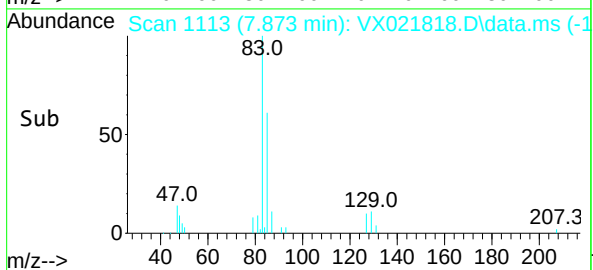
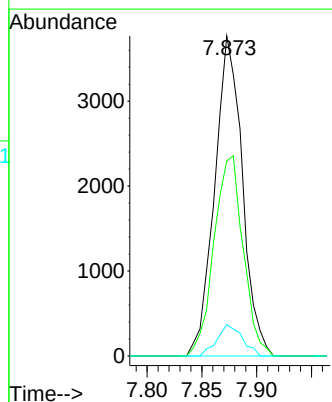
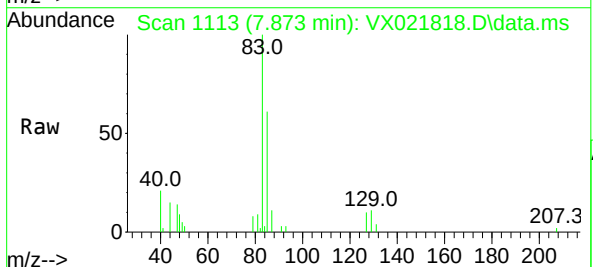
Instrument :
MSVOA_X
ClientSampled :

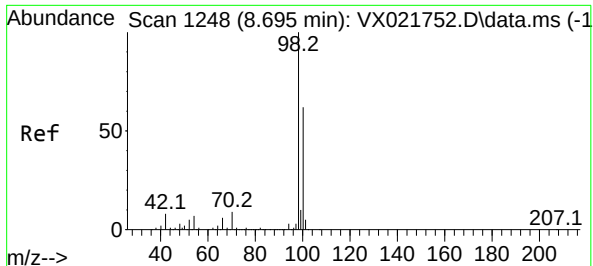
Tgt Ion:130 Resp: 2500
Ion Ratio Lower Upper
130 100
95 99.7 0.0 198.0



#47
Bromodichloromethane
Concen: 2.33 ug/l
RT: 7.873 min Scan# 1113
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 83 Resp: 6611
Ion Ratio Lower Upper
83 100
85 60.9 51.4 77.0
127 9.8 6.8 10.2

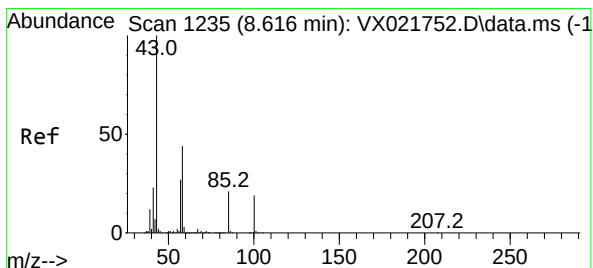
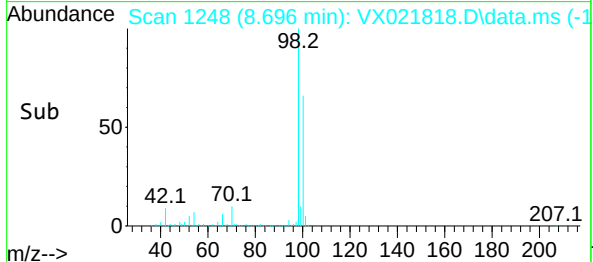
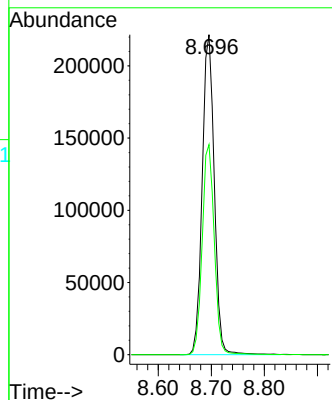
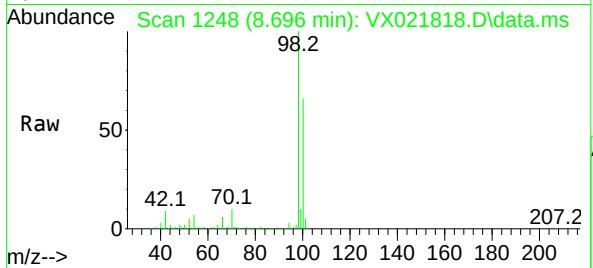




#50
Toluene-d8
Concen: 49.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

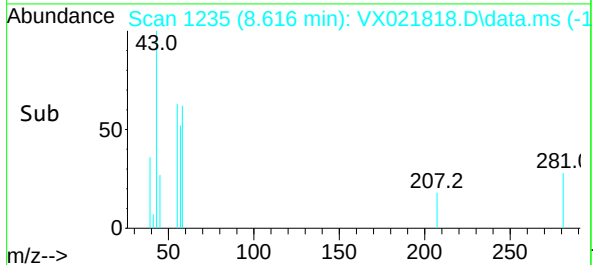
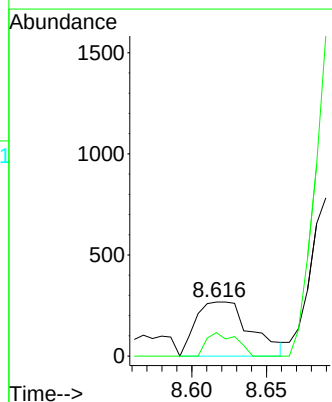
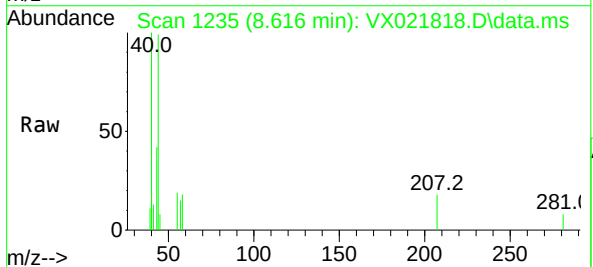
Instrument :
MSVOA_X
ClientSampleId :

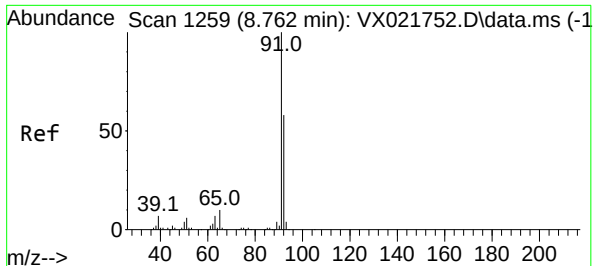
Tgt Ion: 98 Resp: 350165
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.28 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 23.5 35.4 53.0#





#52

Toluene

Concen: 0.25 ug/l

RT: 8.769 min Scan# 1260

Delta R.T. 0.007 min

Lab File: VX021818.D

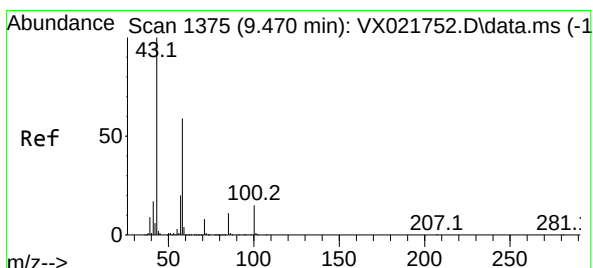
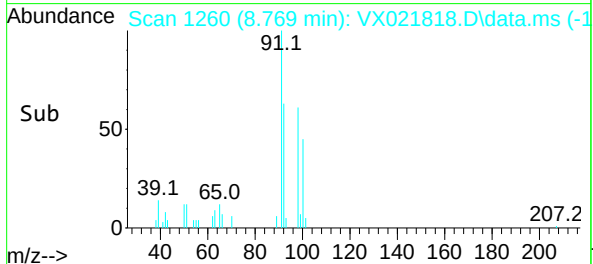
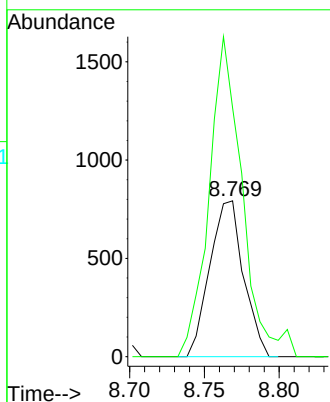
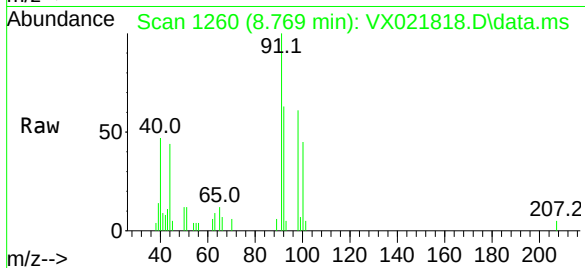
Acq: 22 Apr 2021 15:48

Tgt Ion: 92 Resp: 1245

Ion Ratio Lower Upper

92 100

91 201.5 137.1 205.7



#59

2-Hexanone

Concen: 0.25 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VX021818.D

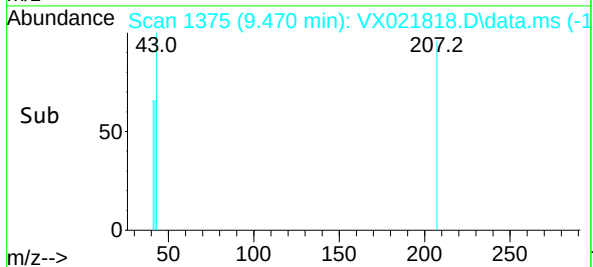
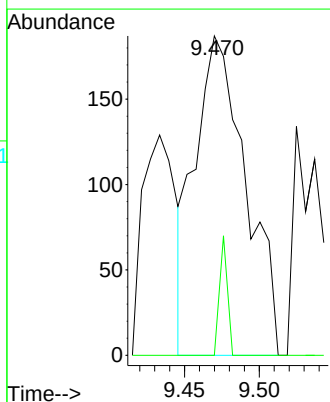
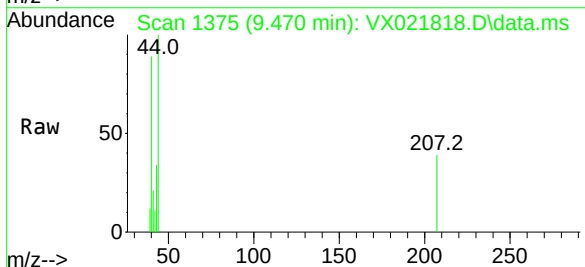
Acq: 22 Apr 2021 15:48

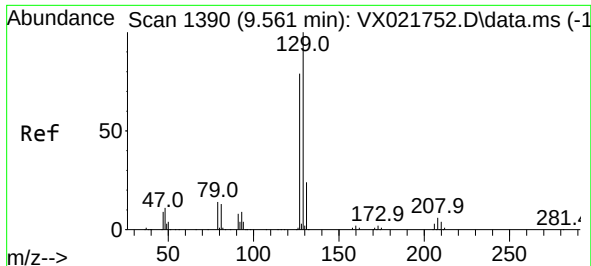
Tgt Ion: 43 Resp: 443

Ion Ratio Lower Upper

43 100

58 5.9 30.9 92.8#

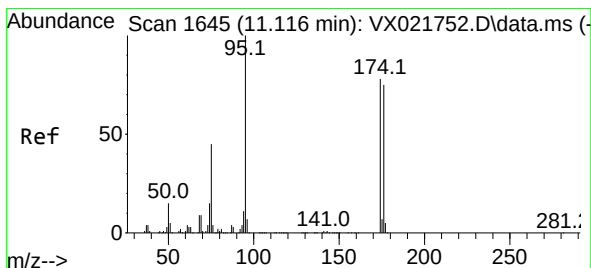
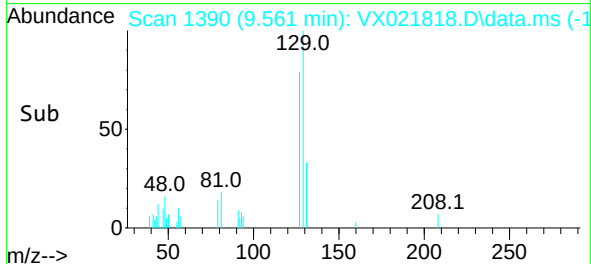
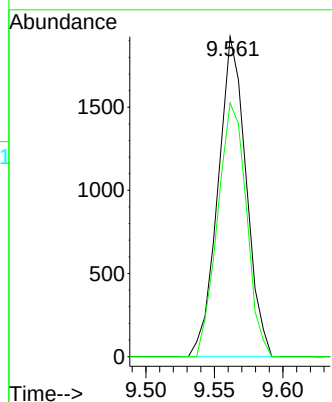
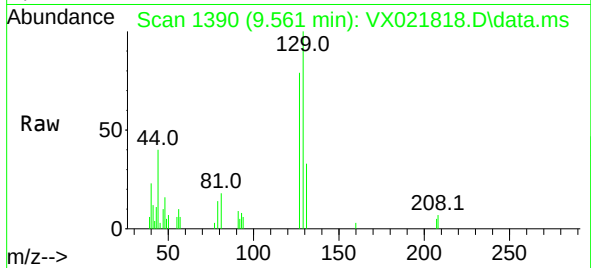




#60
Dibromochloromethane
Concen: 1.12 ug/l
RT: 9.561 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

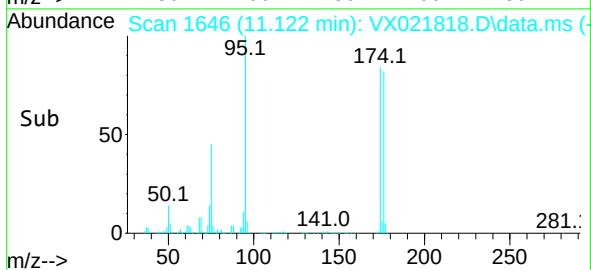
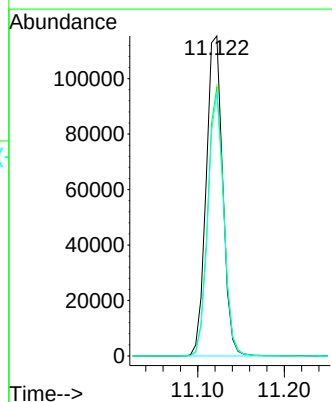
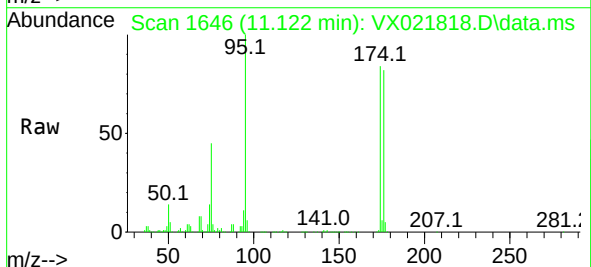
Instrument :
MSVOA_X
ClientSampled :

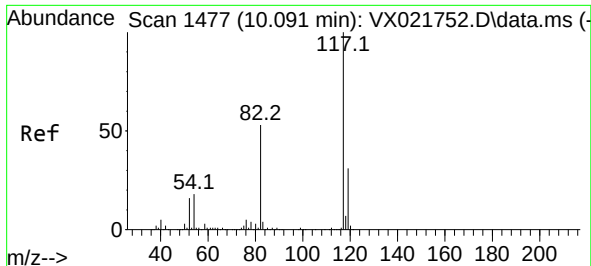
Tgt Ion:129 Resp: 2745
Ion Ratio Lower Upper
129 100
127 81.1 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 57.99 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion: 95 Resp: 153201
Ion Ratio Lower Upper
95 100
174 80.9 0.0 154.6
176 78.1 0.0 155.8

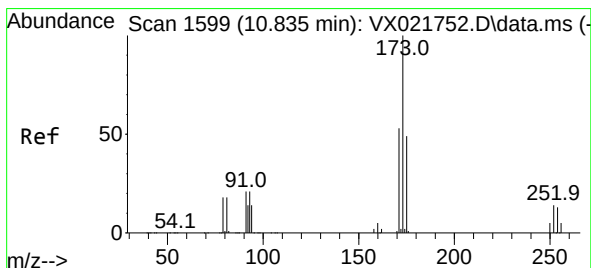
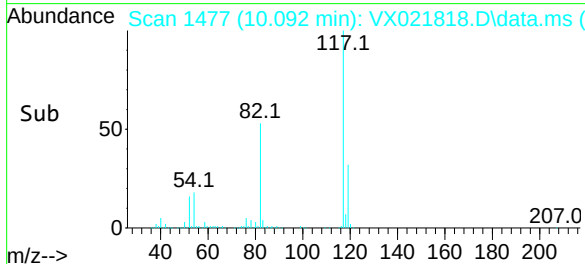
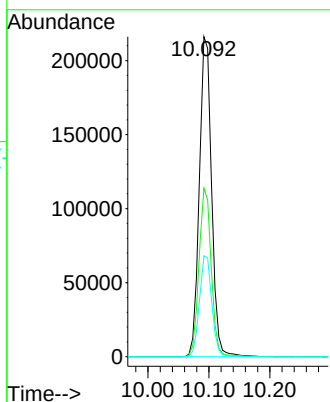
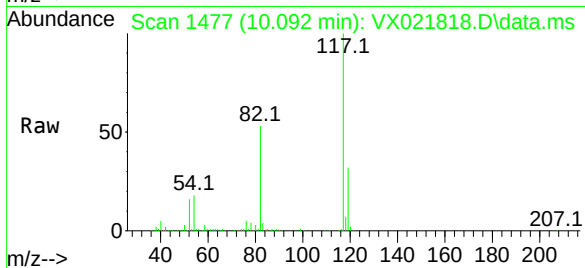




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

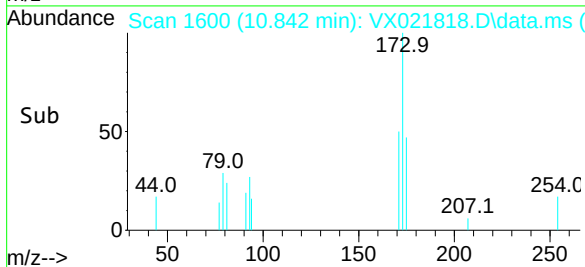
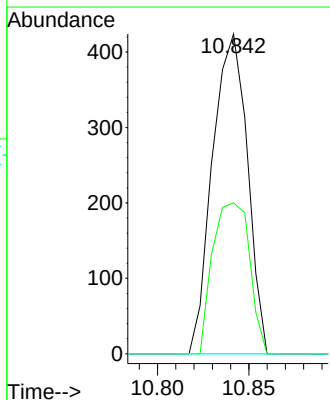
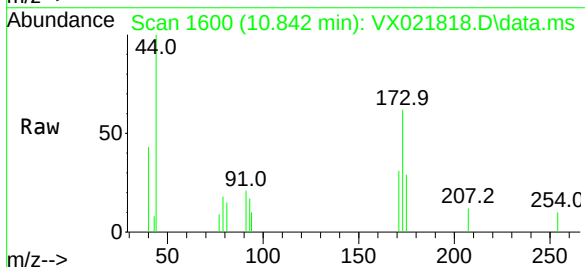
Instrument :
MSVOA_X
ClientSampleId :

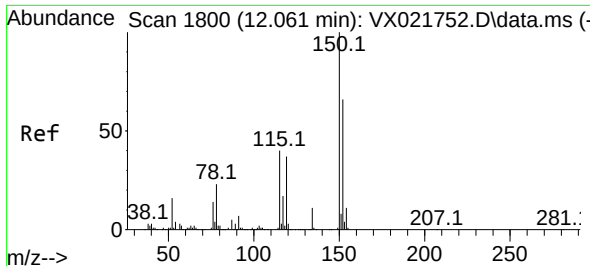
Tgt Ion:117 Resp: 302215
Ion Ratio Lower Upper
117 100
82 52.6 47.4 71.2
119 31.5 26.6 39.8



#71
Bromoform
Concen: 0.26 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.007 min
Lab File: VX021818.D
Acq: 22 Apr 2021 15:48

Tgt Ion:173 Resp: 562
Ion Ratio Lower Upper
173 100
175 50.0 23.9 71.8
254 0.0 0.1 0.1#

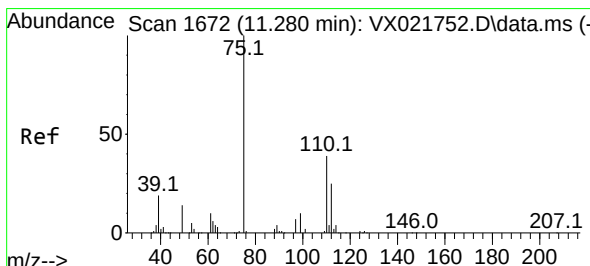
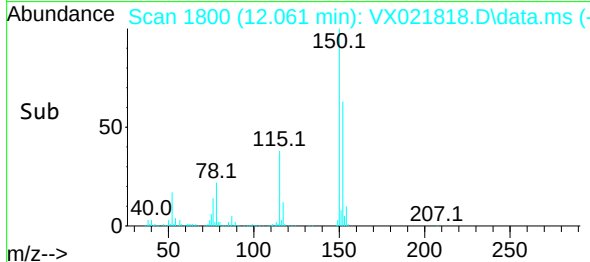
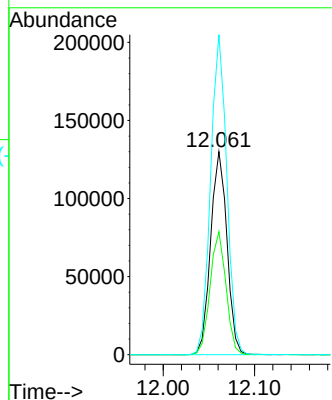
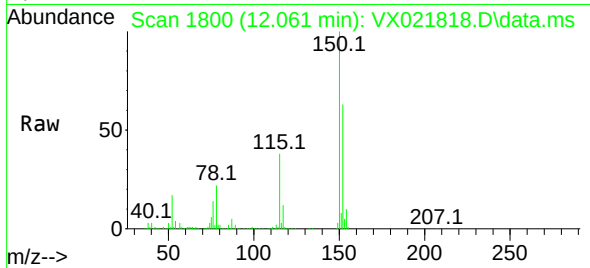




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX021818.D
 Acq: 22 Apr 2021 15:48

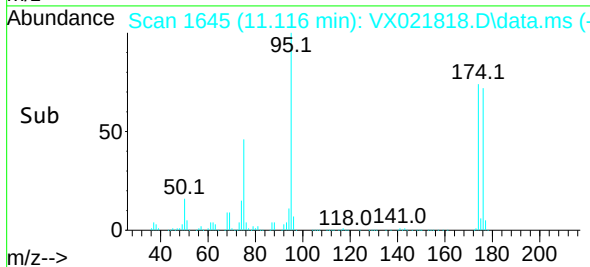
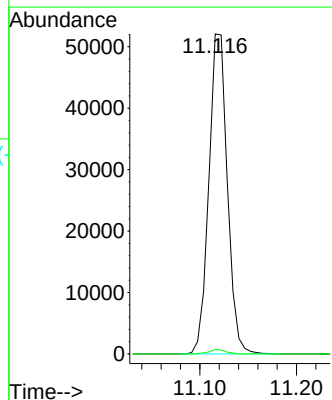
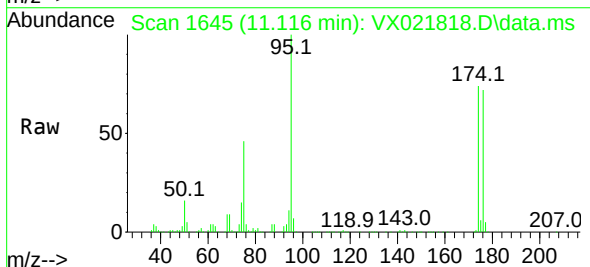
Instrument :
 MSVOA_X
 ClientSampleId :

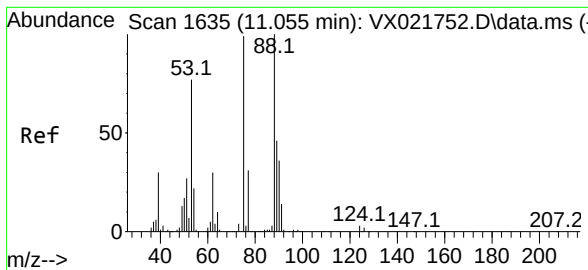
Tgt Ion:152 Resp: 161249
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 155.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.71 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. -0.164 min
 Lab File: VX021818.D
 Acq: 22 Apr 2021 15:48

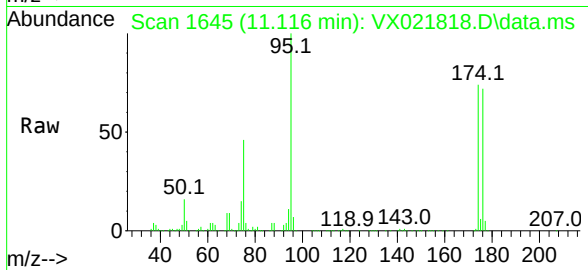
Tgt Ion: 75 Resp: 69407
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.91 ug/l
 RT: 11.116 min Scan# 1645
 Delta R.T. 0.061 min
 Lab File: VX021818.D
 Acq: 22 Apr 2021 15:48

Instrument :
 MSVOA_X
 ClientSampleId :



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

