

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021210.D
 Acq On : 15 Mar 2021 19:17
 Operator : JC/MD
 Sample : M1647-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 16 03:05:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:55:59 2021
 Response via : Initial Calibration

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

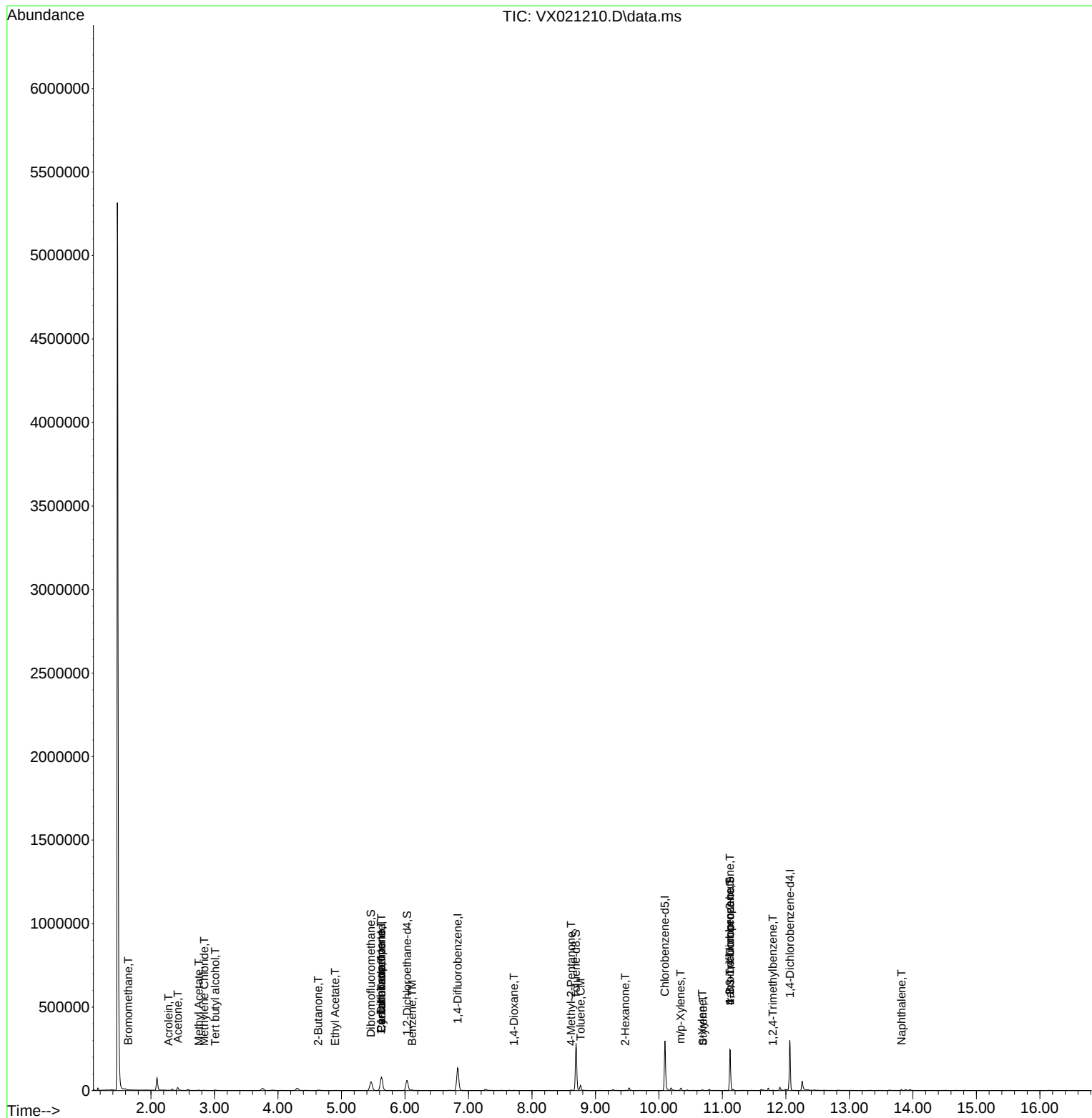
Internal Standards						
1) Pentafluorobenzene	5.629	168	67913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	125433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	119630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	55273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	60163	51.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.90%			
35) Dibromofluoromethane	5.464	113	43729	50.67	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.34%			
50) Toluene-d8	8.694	98	156544	50.50	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.00%			
62) 4-Bromofluorobenzene	11.118	95	63919	54.10	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.20%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.640	94	120	0.24	ug/l	84
11) Tert butyl alcohol	3.011	59	2689	13.33	ug/l	99
13) Acrolein	2.275	56	615	4.96	ug/l #	68
16) Acetone	2.423	43	18380	39.49	ug/l #	87
18) Methyl Acetate	2.752	43	2812	2.49	ug/l #	87
20) Methylene Chloride	2.840	84	590	0.67	ug/l #	82
25) 2-Butanone	4.635	43	5045	7.53	ug/l #	81
31) Cyclohexane	5.629	56	1974	1.35	ug/l #	31
36) 1,1-Dichloropropene	5.623	75	6431	4.89	ug/l #	44
37) Ethyl Acetate	4.899	43	812	0.56	ug/l #	48
38) Carbon Tetrachloride	5.629	117	7868	5.45	ug/l #	16
40) Benzene	6.111	78	3622	0.99	ug/l	95
49) 1,4-Dioxane	7.717	88	732	34.71	ug/l #	69
51) 4-Methyl-2-Pentanone	8.617	43	2313	1.67	ug/l #	79
52) Toluene	8.765	92	10602	4.78	ug/l	99
59) 2-Hexanone	9.470	43	540	0.52	ug/l #	54
68) m/p-Xylenes	10.341	106	1397	0.85	ug/l	92
69) o-Xylene	10.682	106	848	0.53	ug/l	95
70) Styrene	10.694	104	626	0.23	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	36010	26.28	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	36010	74.57	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.794	105	790	0.22	ug/l	90
95) Naphthalene	13.818	128	2070	1.96	ug/l	97

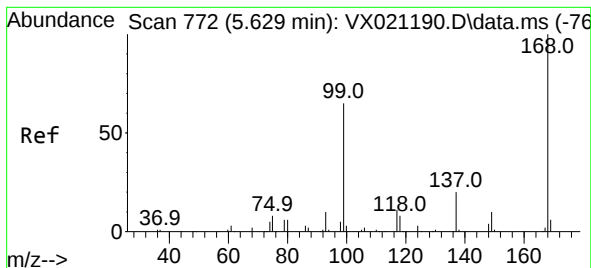
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 03:05:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 15 11:55:59 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.006 min

Lab File: VX021210.D

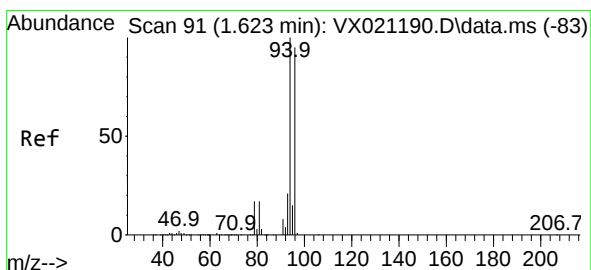
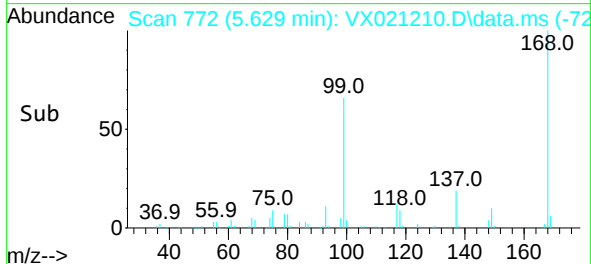
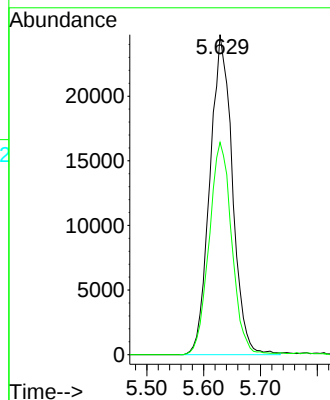
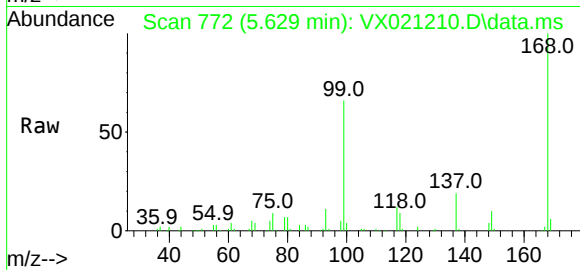
Acq: 15 Mar 2021 19:17

Tgt Ion:168 Resp: 67913

Ion Ratio Lower Upper

168 100

99 66.3 45.8 68.6



#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.640 min Scan# 94

Delta R.T. 0.017 min

Lab File: VX021210.D

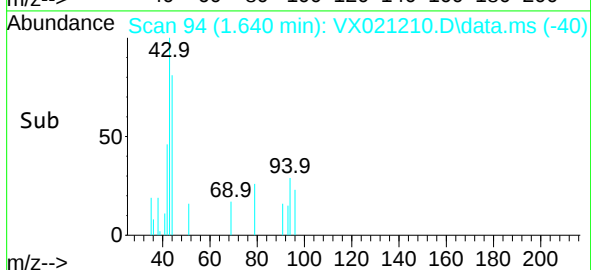
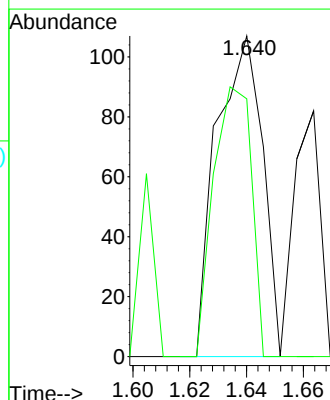
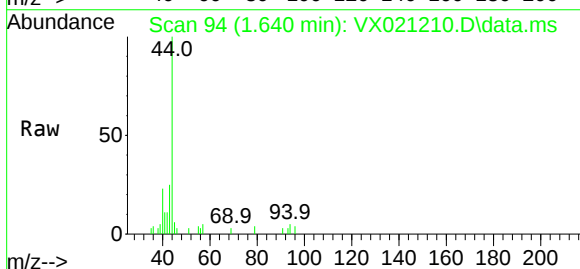
Acq: 15 Mar 2021 19:17

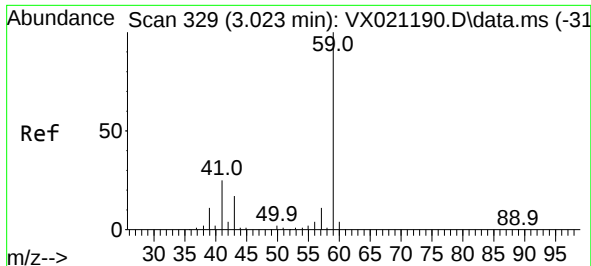
Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

94 100

96 80.4 76.4 114.6



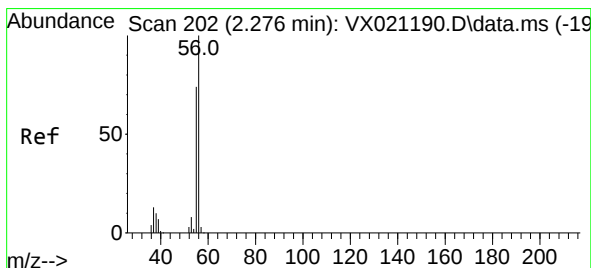
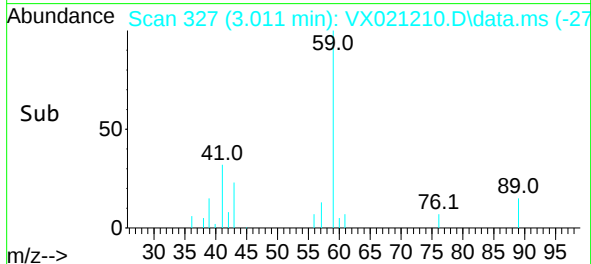
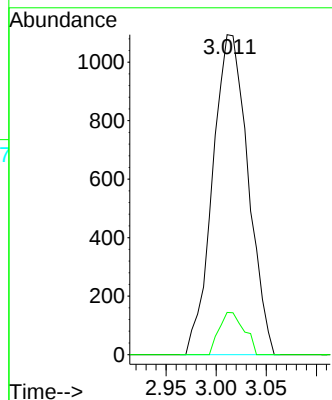
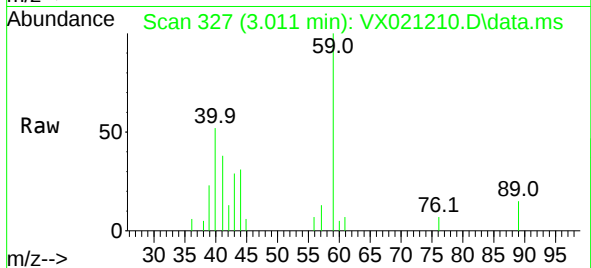


#11

Tert butyl alcohol
Concen: 13.33 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampled :

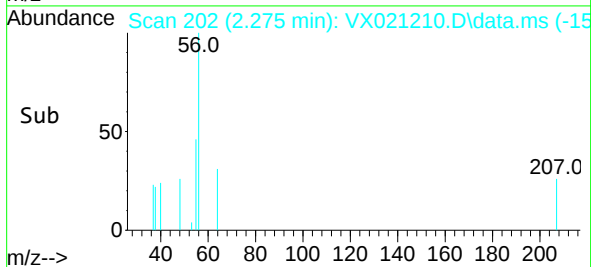
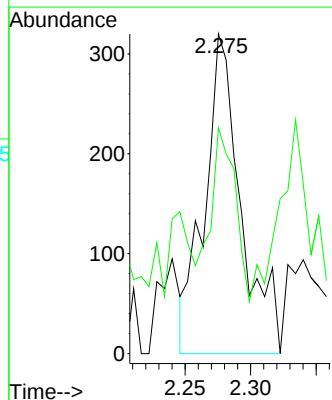
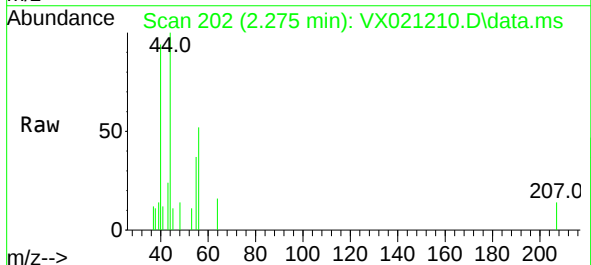
Tgt Ion: 59 Resp: 2689
Ion Ratio Lower Upper
59 100
57 9.3 7.8 11.8

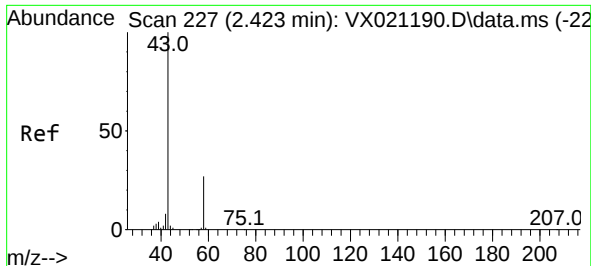


#13

Acrolein
Concen: 4.96 ug/l
RT: 2.275 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion: 56 Resp: 615
Ion Ratio Lower Upper
56 100
55 43.9 56.4 84.6#

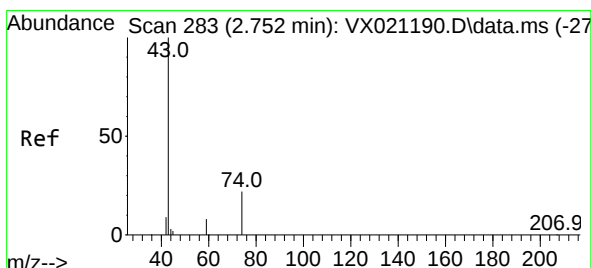
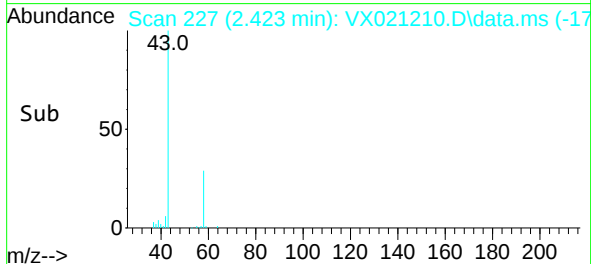
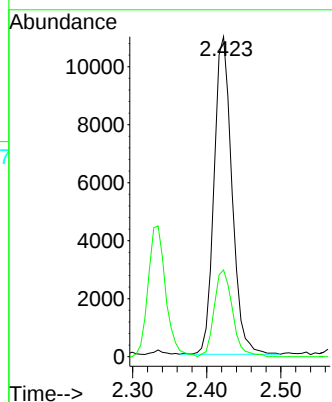
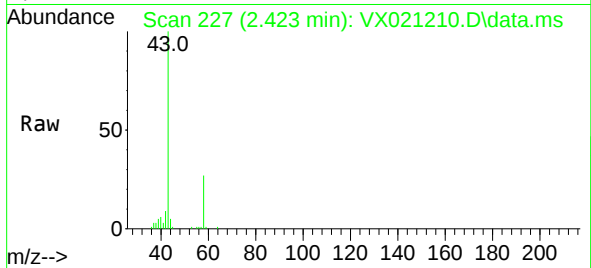




#16
Acetone
Concen: 39.49 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

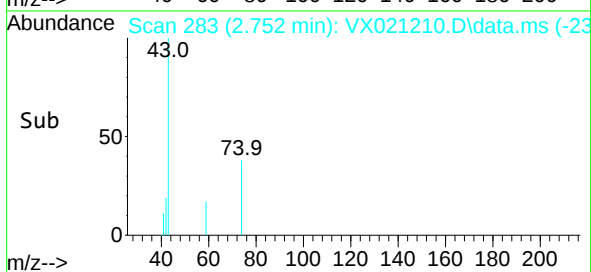
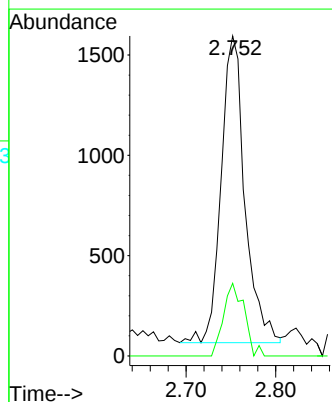
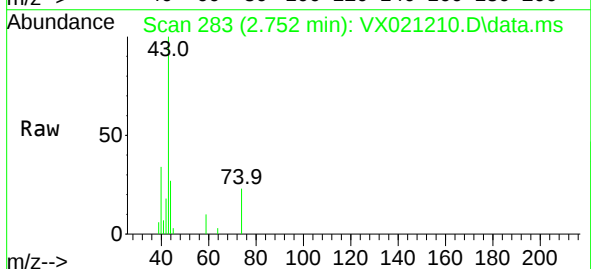
Instrument :
MSVOA_X
ClientSampleId :

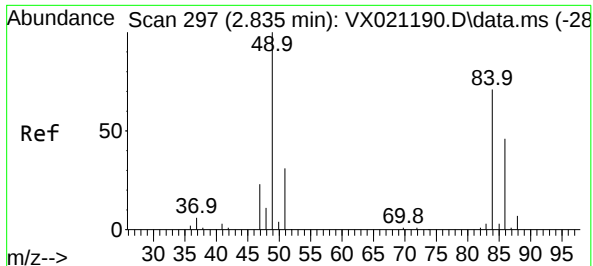
Tgt Ion: 43 Resp: 18380
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#



#18
Methyl Acetate
Concen: 2.49 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
74 20.6 21.9 32.9#





#20

Methylene Chloride

Concen: 0.67 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021210.D

Acq: 15 Mar 2021 19:17

Tgt Ion: 84 Resp: 590

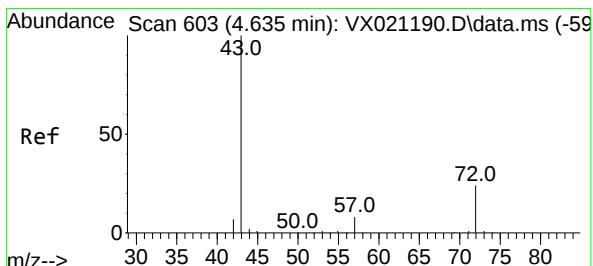
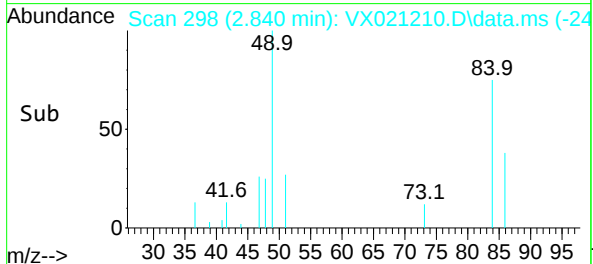
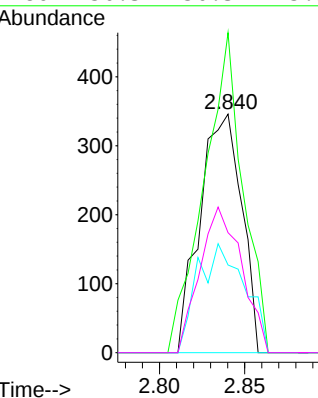
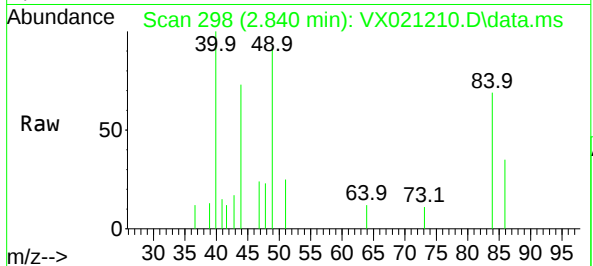
Ion Ratio Lower Upper

84 100

49 134.1 88.6 132.8#

51 36.7 27.0 40.6

86 50.3 50.3 75.5#



#25

2-Butanone

Concen: 7.53 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021210.D

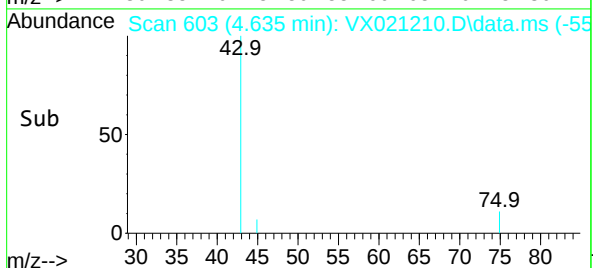
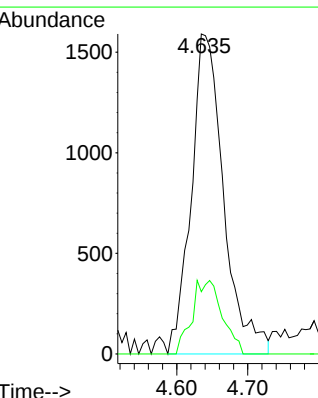
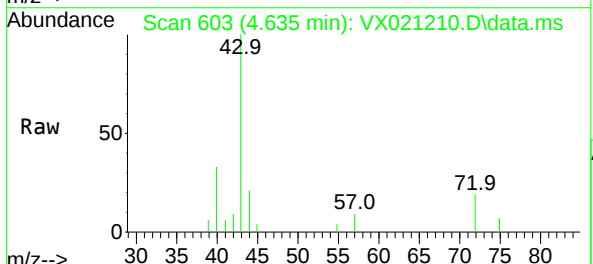
Acq: 15 Mar 2021 19:17

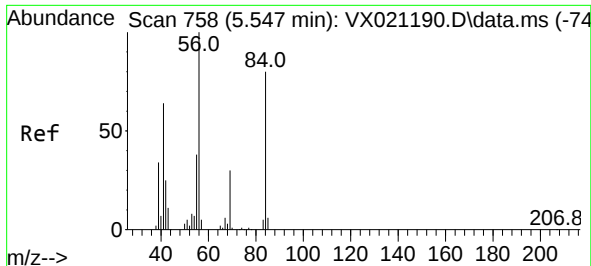
Tgt Ion: 43 Resp: 5045

Ion Ratio Lower Upper

43 100

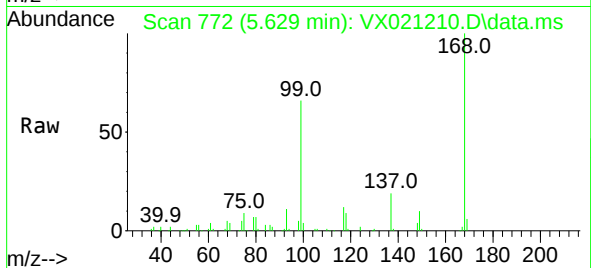
72 19.4 23.7 35.5#



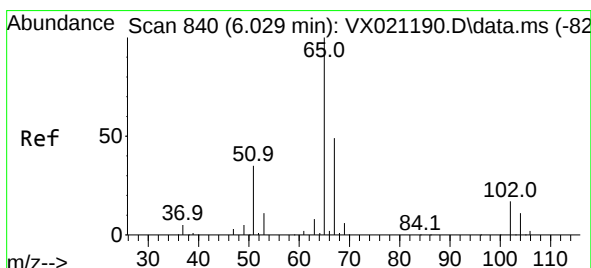
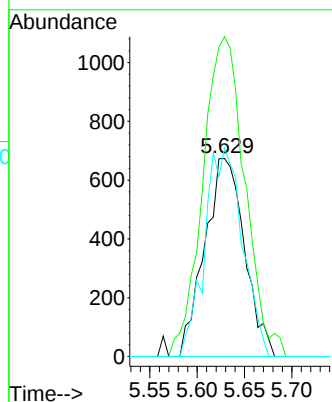
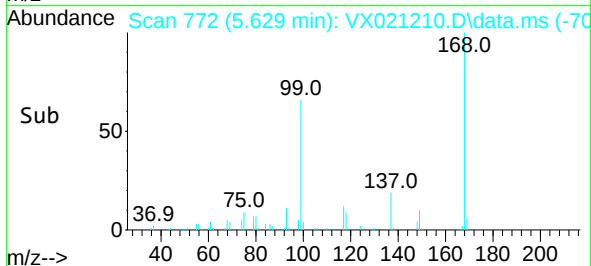


#31
Cyclohexane
Concen: 1.35 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

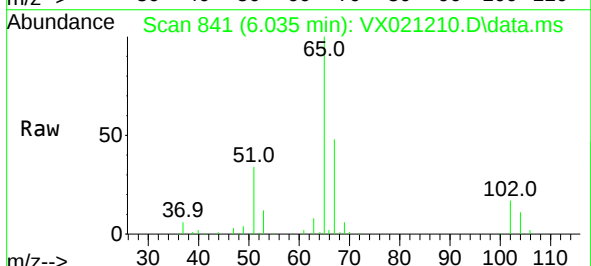
Instrument :
MSVOA_X
ClientSampleId :



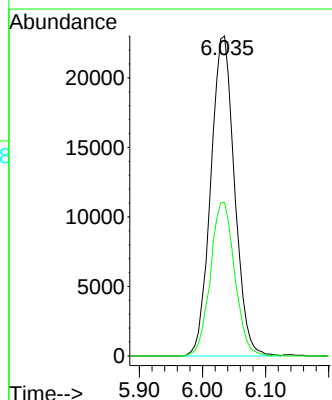
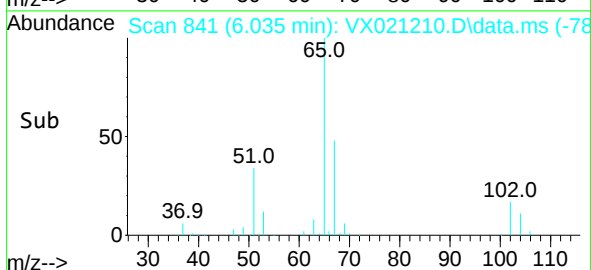
Tgt Ion: 56 Resp: 1974
Ion Ratio Lower Upper
56 100
69 152.1 25.3 37.9#
84 105.2 71.4 107.0

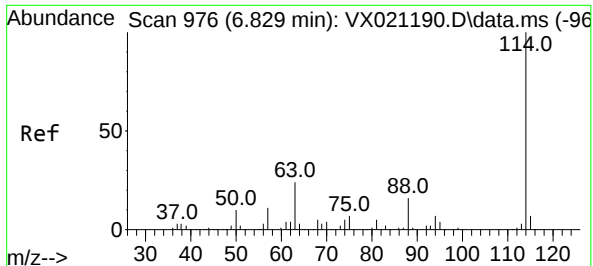


#33
1,2-Dichloroethane-d4
Concen: 51.95 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17



Tgt Ion: 65 Resp: 60163
Ion Ratio Lower Upper
65 100
67 49.0 0.0 105.4

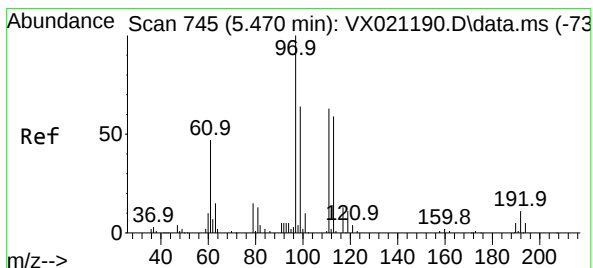
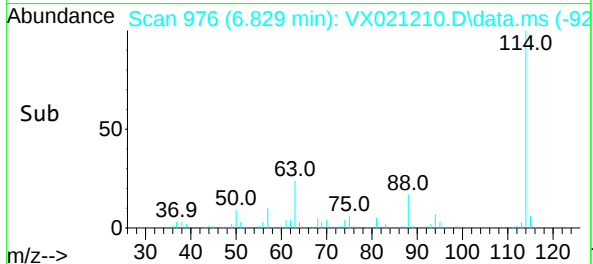
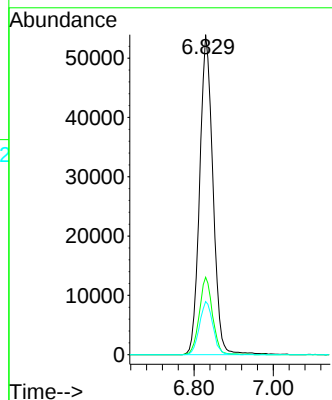
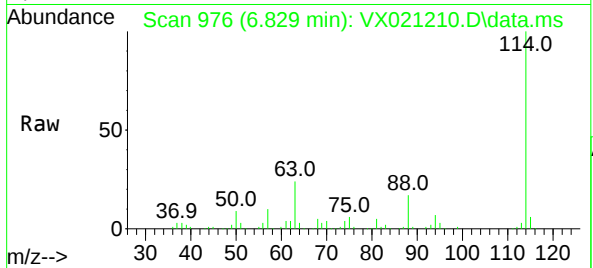




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

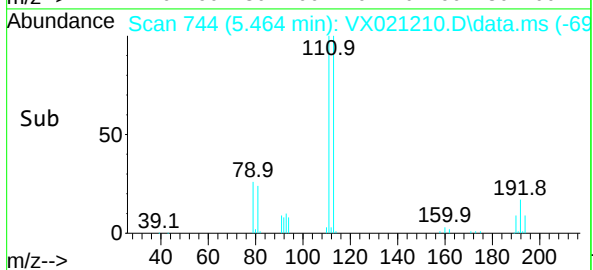
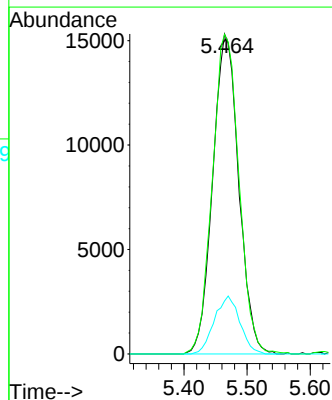
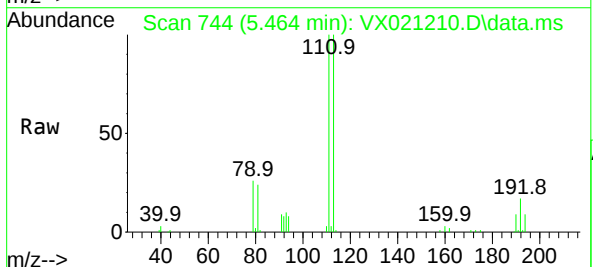
Instrument :
MSVOA_X
ClientSampleId :

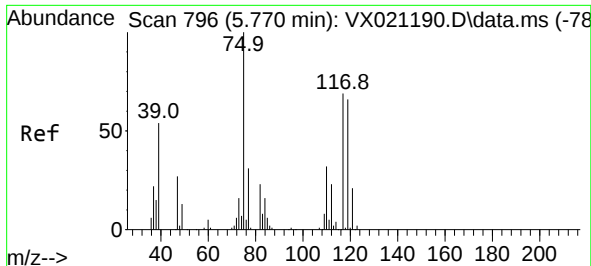
Tgt Ion:114 Resp: 125433
Ion Ratio Lower Upper
114 100
63 24.2 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.67 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

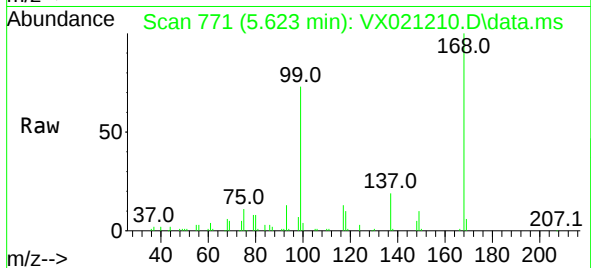
Tgt Ion:113 Resp: 43729
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 17.8 16.7 25.1



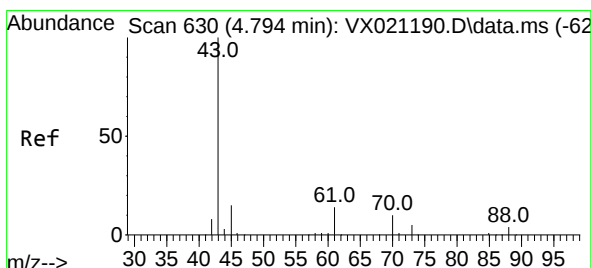
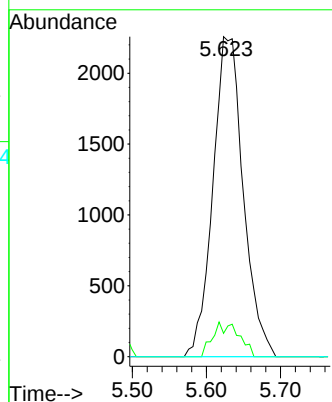
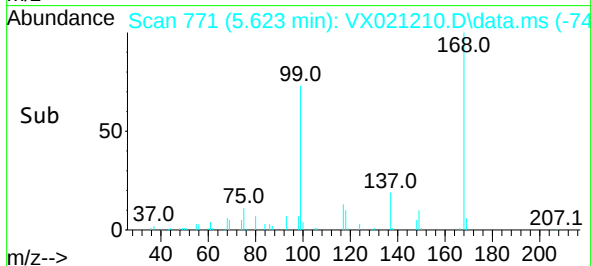


#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

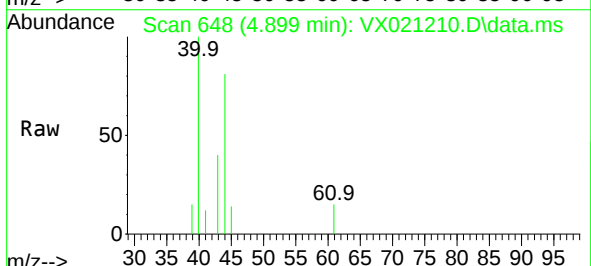
Instrument :
MSVOA_X
ClientSampleId :



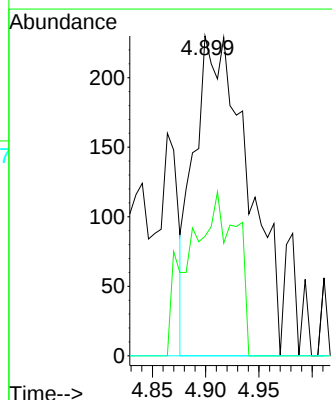
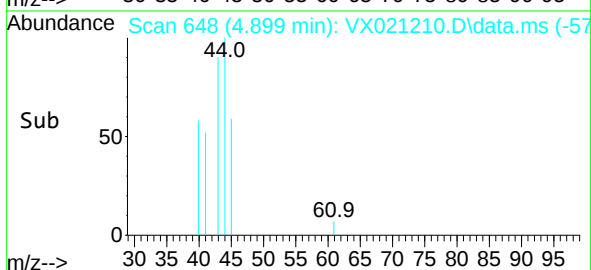
Tgt Ion: 75 Resp: 6431
Ion Ratio Lower Upper
75 100
110 4.2 18.1 54.4#
77 0.0 25.3 37.9#

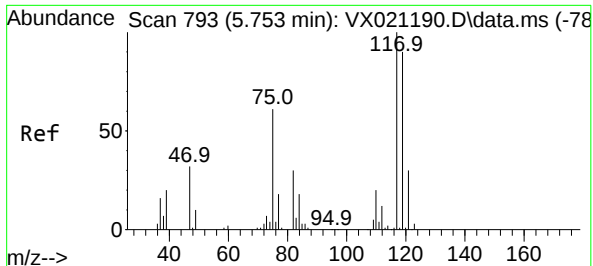


#37
Ethyl Acetate
Concen: 0.56 ug/l
RT: 4.899 min Scan# 648
Delta R.T. 0.106 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17



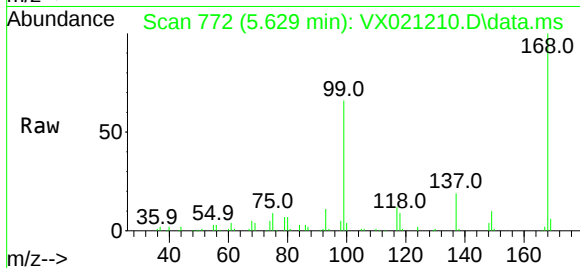
Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
61 44.8 12.8 19.2#
70 0.0 10.5 15.7#



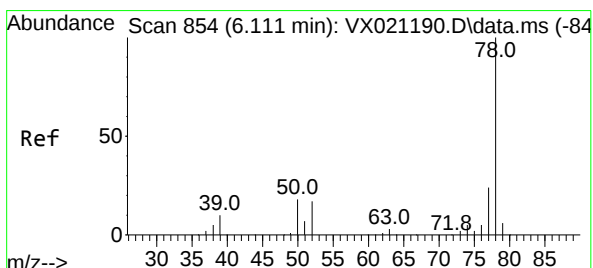
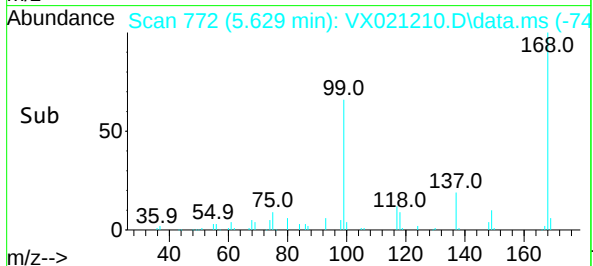
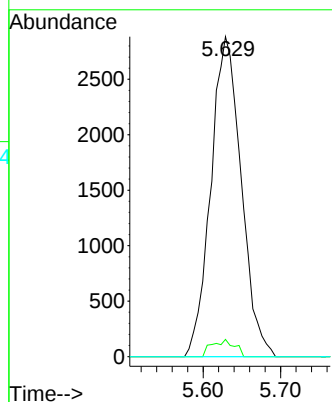


#38
Carbon Tetrachloride
Concen: 5.45 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampled :

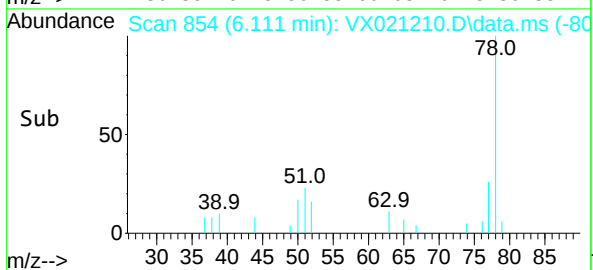
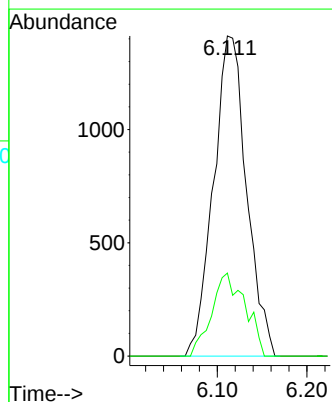
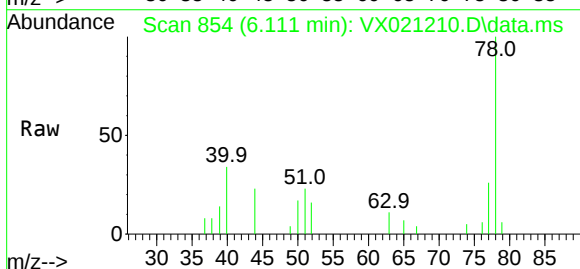


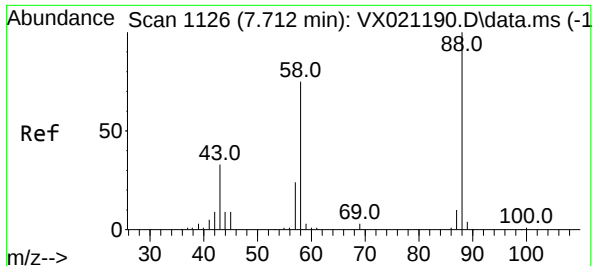
Tgt Ion:117 Resp: 7868
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.99 ug/l
RT: 6.111 min Scan# 854
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion: 78 Resp: 3622
Ion Ratio Lower Upper
78 100
77 25.9 18.9 28.3

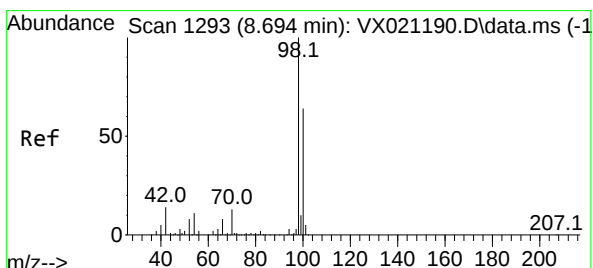
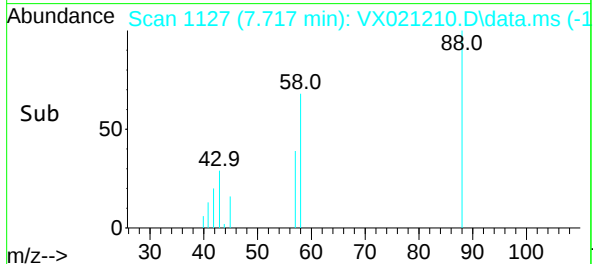
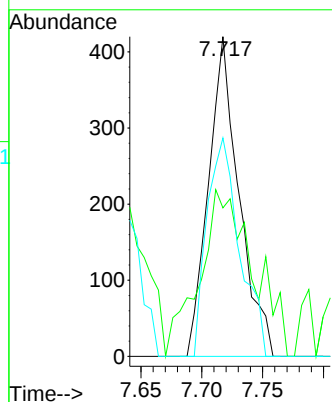
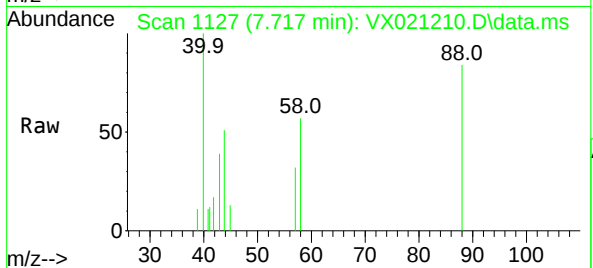




#49
1,4-Dioxane
Concen: 34.71 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

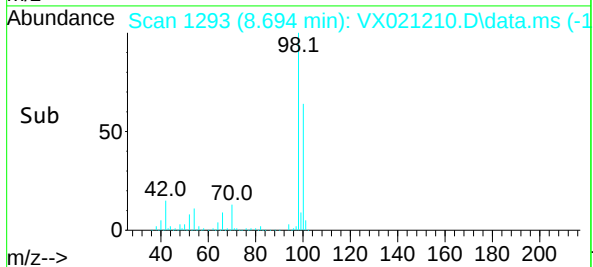
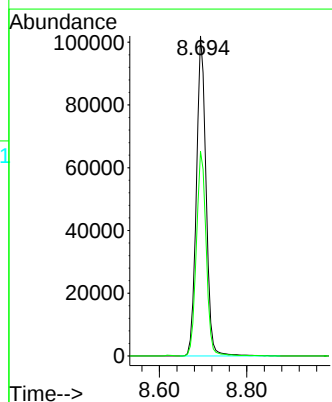
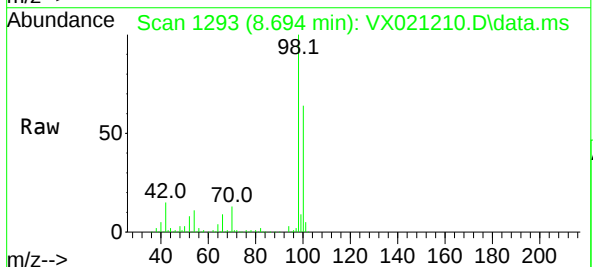
Instrument :
MSVOA_X
ClientSampleId :

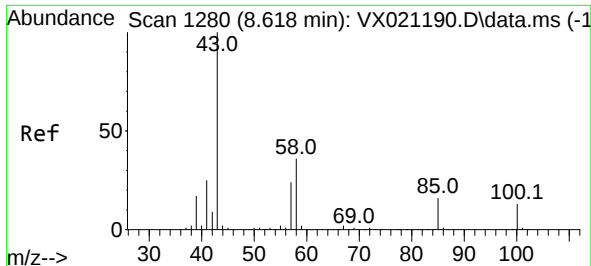
Tgt Ion: 88 Resp: 732
Ion Ratio Lower Upper
88 100
43 78.6 23.2 34.8#
58 73.0 55.0 82.4



#50
Toluene-d8
Concen: 50.50 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion: 98 Resp: 156544
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

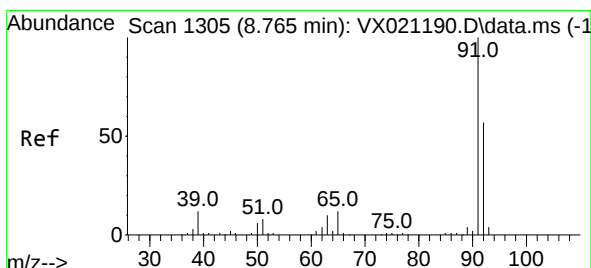
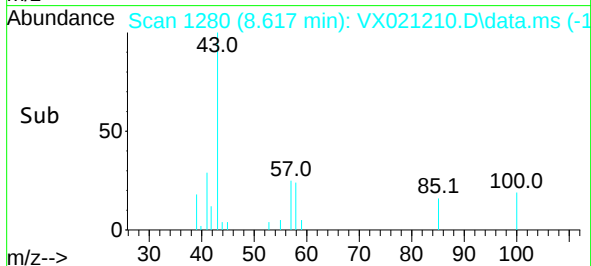
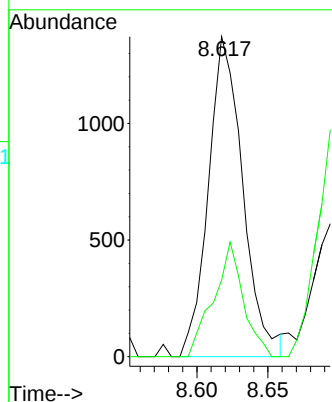
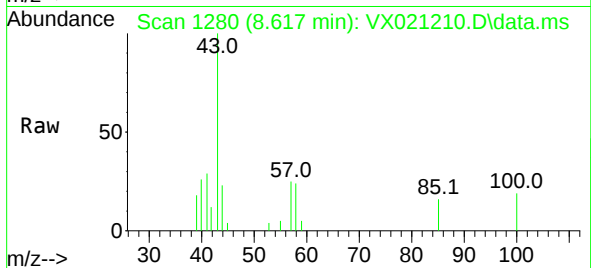




#51
4-Methyl-2-Pentanone
Concen: 1.67 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

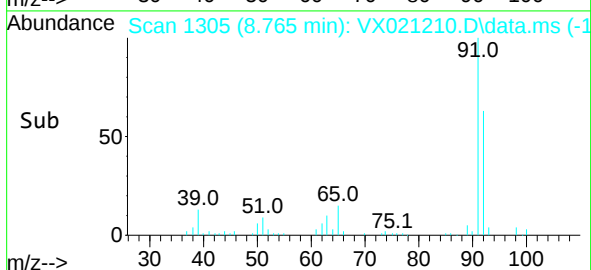
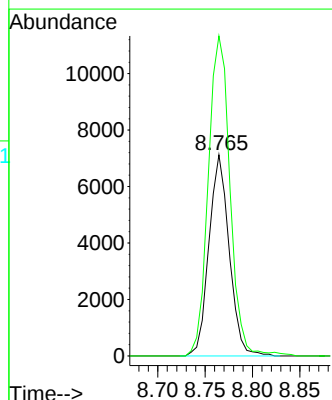
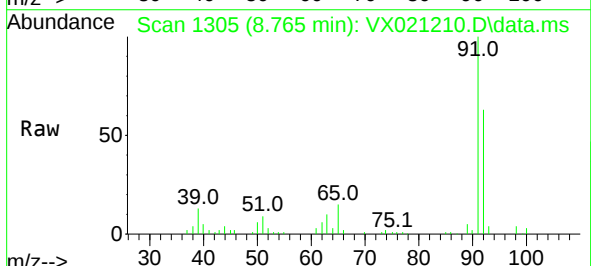
Instrument :
MSVOA_X
ClientSampled :

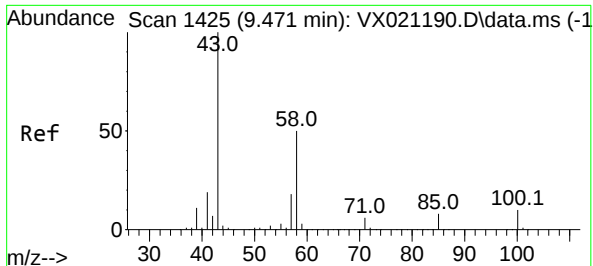
Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
58 30.9 35.4 53.0#



#52
Toluene
Concen: 4.78 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion: 92 Resp: 10602
Ion Ratio Lower Upper
92 100
91 170.6 137.1 205.7

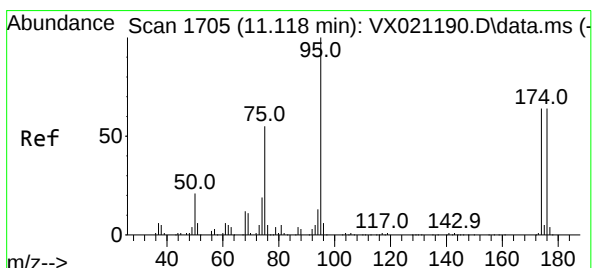
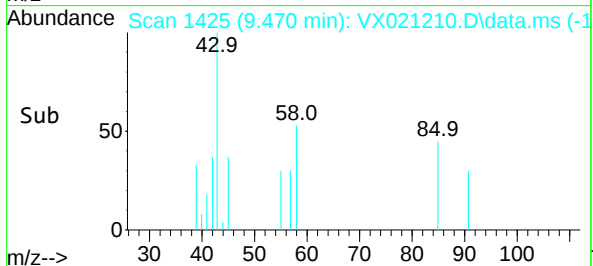
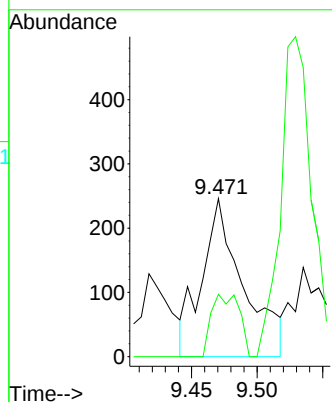
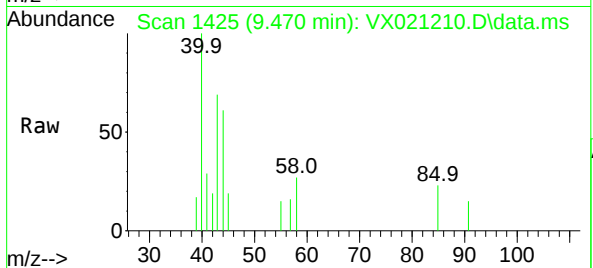




#59
2-Hexanone
Concen: 0.52 ug/l
RT: 9.470 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

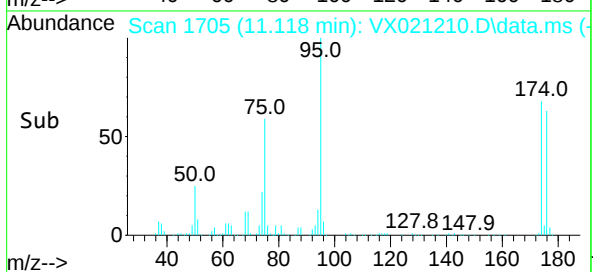
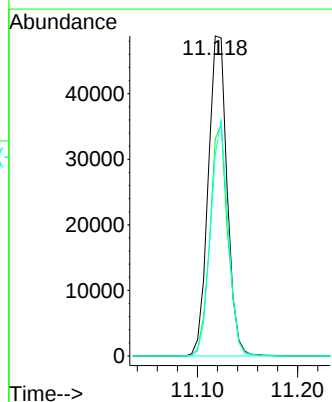
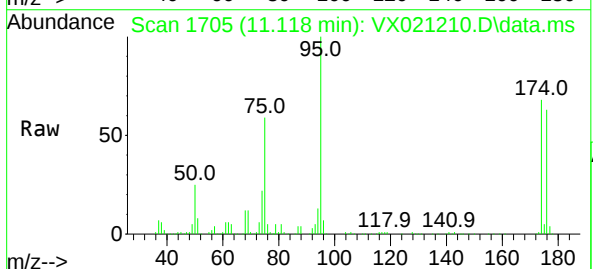
Instrument :
MSVOA_X
ClientSampled :

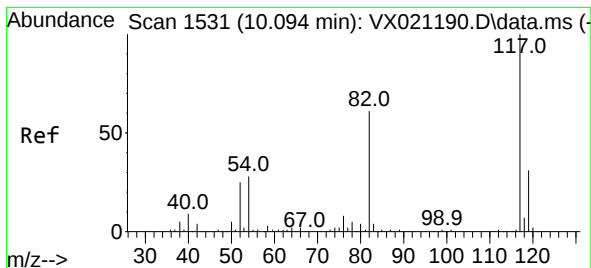
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 26.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 54.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion: 95 Resp: 63919
Ion Ratio Lower Upper
95 100
174 68.7 0.0 154.6
176 68.1 0.0 155.8

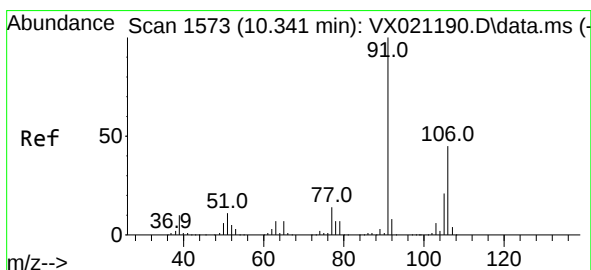
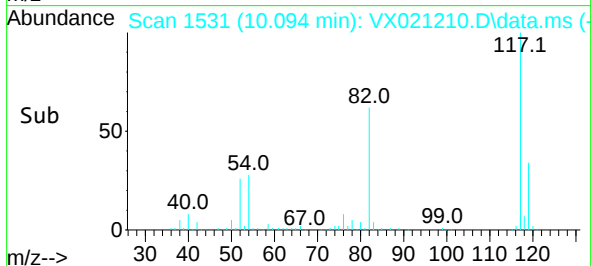
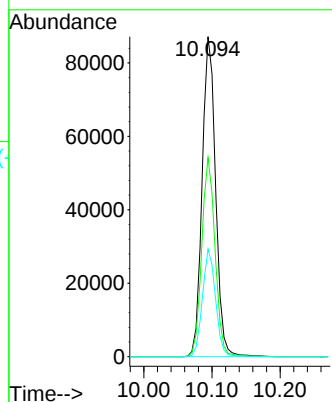
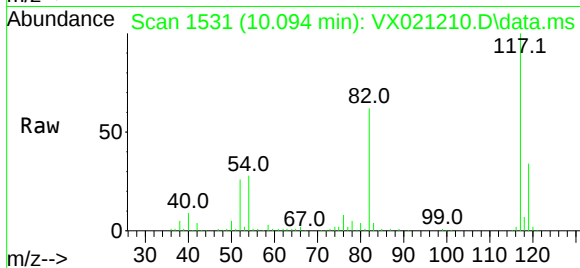




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

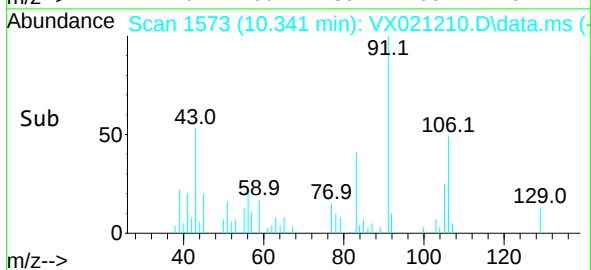
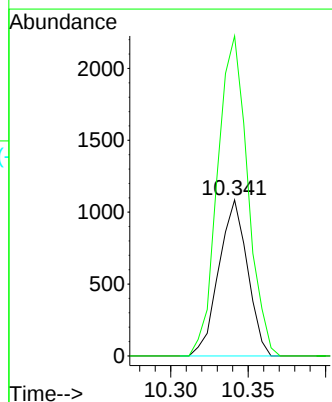
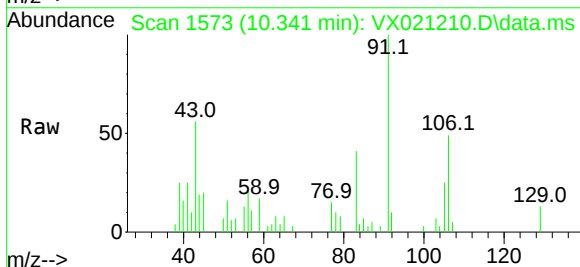
Instrument :
MSVOA_X
ClientSampled :

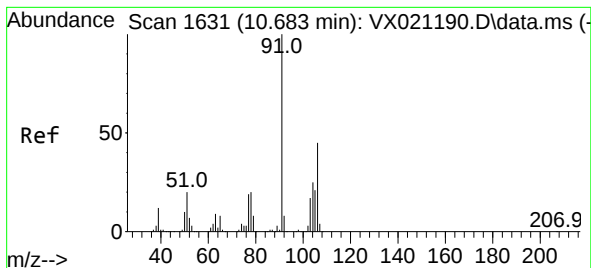
Tgt Ion:117 Resp: 119630
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 33.6 26.6 39.8



#68
m/p-Xylenes
Concen: 0.85 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion:106 Resp: 1397
Ion Ratio Lower Upper
106 100
91 215.8 162.8 244.2

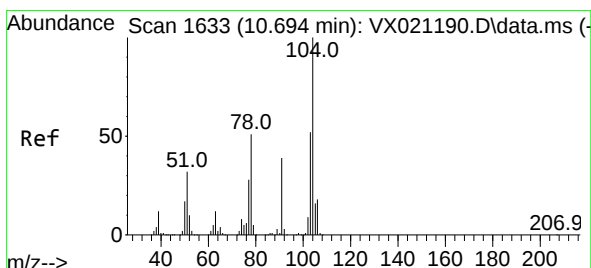
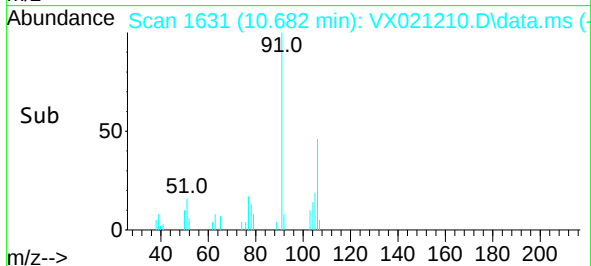
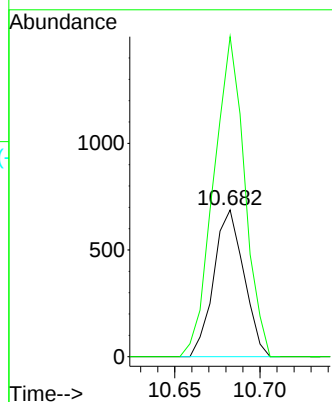
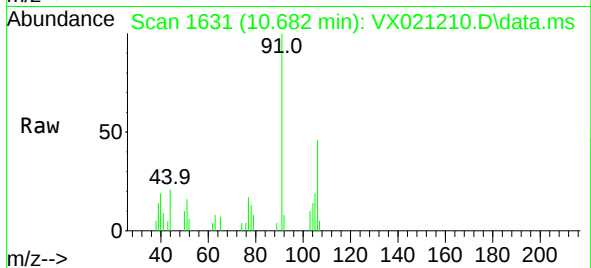




#69
o-Xylene
Concen: 0.53 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

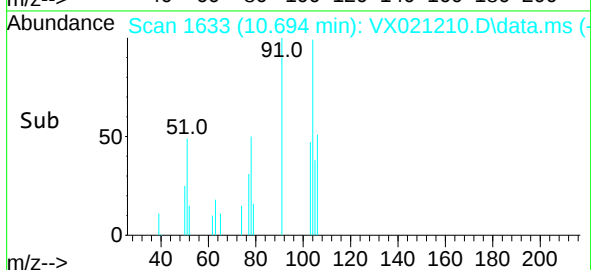
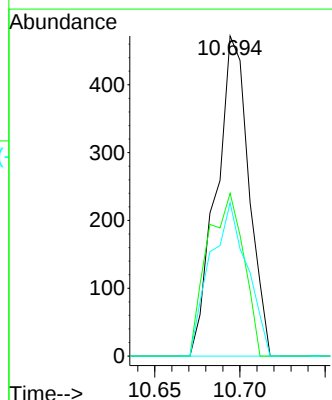
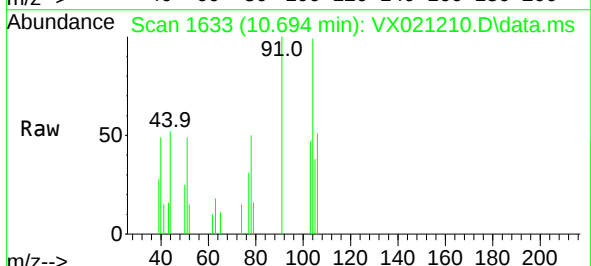
Instrument :
MSVOA_X
ClientSampled :

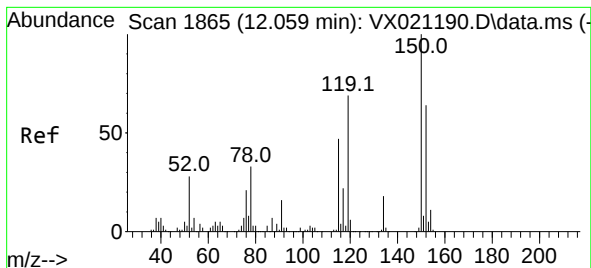
Tgt Ion:106 Resp: 848
Ion Ratio Lower Upper
106 100
91 223.9 108.1 324.2



#70
Styrene
Concen: 0.23 ug/l
RT: 10.694 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Tgt Ion:104 Resp: 626
Ion Ratio Lower Upper
104 100
78 56.5 40.0 60.0
103 54.3 43.4 65.0

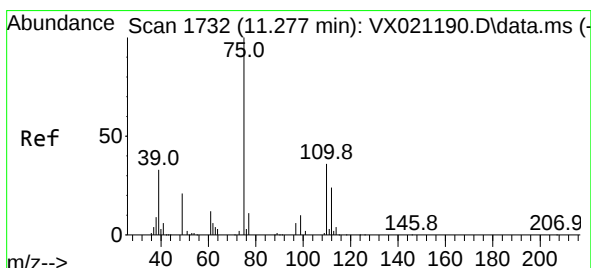
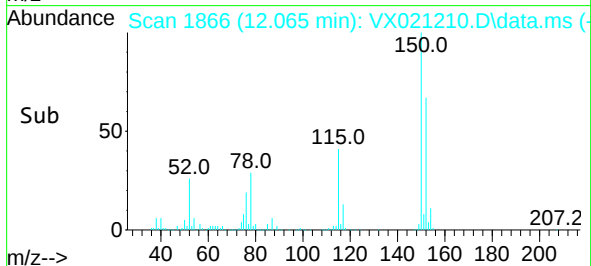
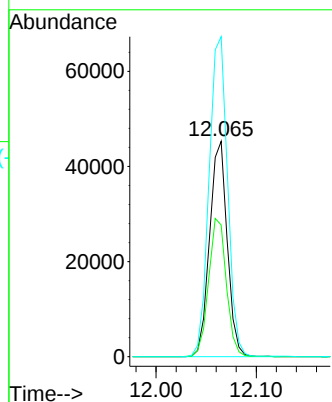
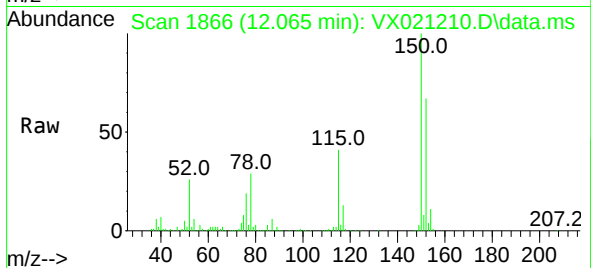




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

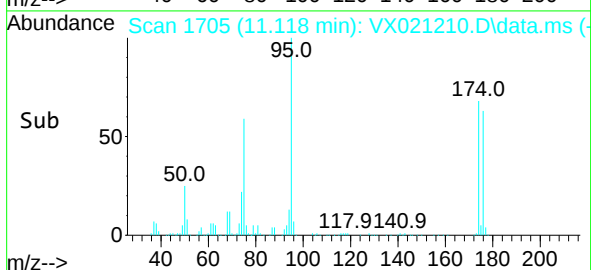
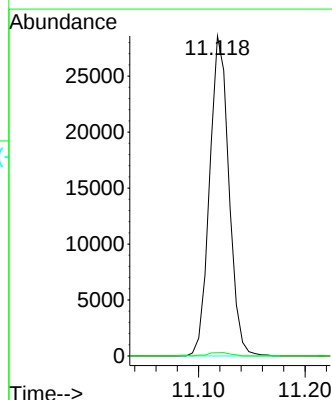
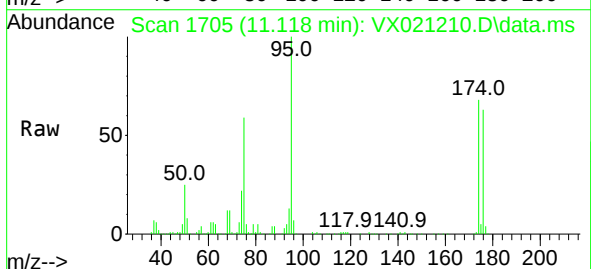
Instrument :
MSVOA_X
ClientSampled :

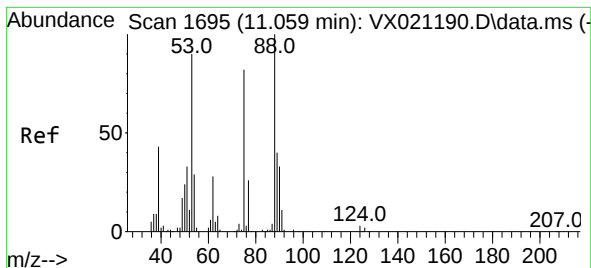
Tgt Ion:152 Resp: 55273
Ion Ratio Lower Upper
152 100
115 64.7 41.1 123.3
150 154.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.28 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

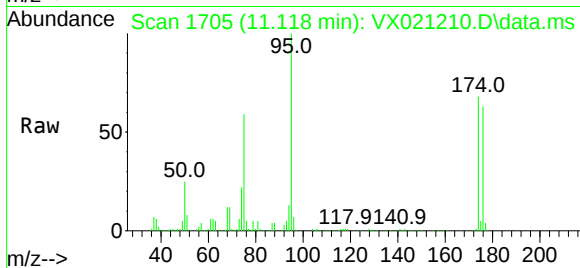
Tgt Ion: 75 Resp: 36010
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



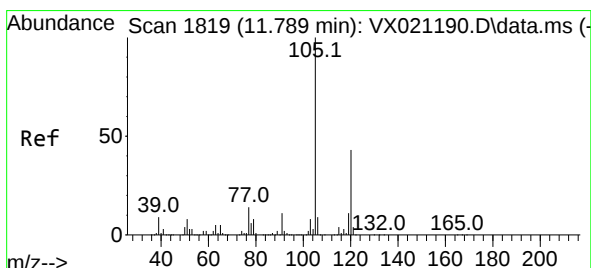
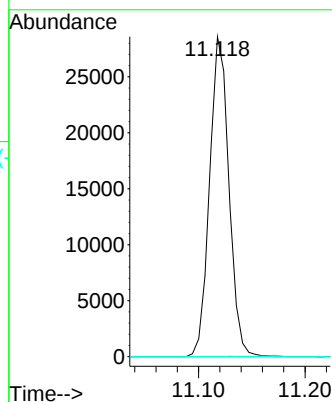
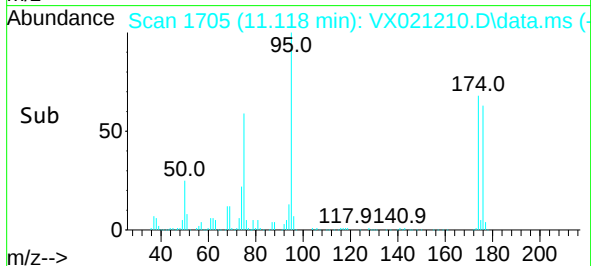


#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.57 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021210.D
 Acq: 15 Mar 2021 19:17

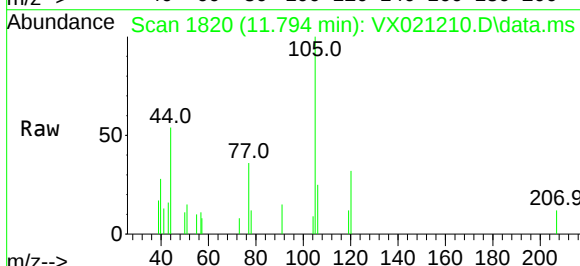
Instrument :
 MSVOA_X
 ClientSampleId :



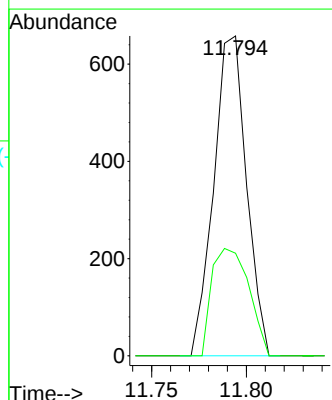
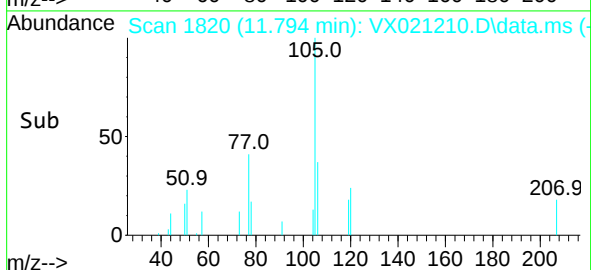
Tgt Ion: 75 Resp: 36010
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

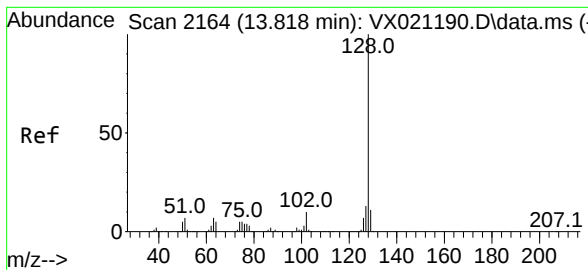


#84
 1,2,4-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.794 min Scan# 1820
 Delta R.T. 0.006 min
 Lab File: VX021210.D
 Acq: 15 Mar 2021 19:17



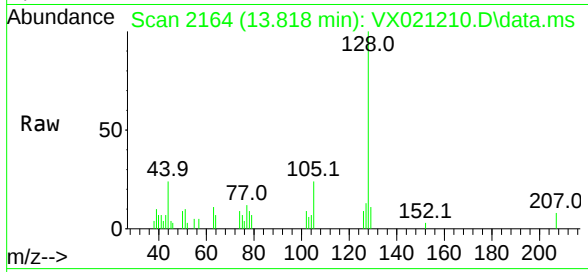
Tgt Ion: 105 Resp: 790
 Ion Ratio Lower Upper
 105 100
 120 38.1 22.4 67.3





#95
Naphthalene
Concen: 1.96 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021210.D
Acq: 15 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	2070
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	12.1	8.8	13.2

