

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021208.D
 Acq On : 15 Mar 2021 18:31
 Operator : JC/MD
 Sample : M1677-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 D2470-D2800(WATER)

Quant Time: Mar 16 03:04:33 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)

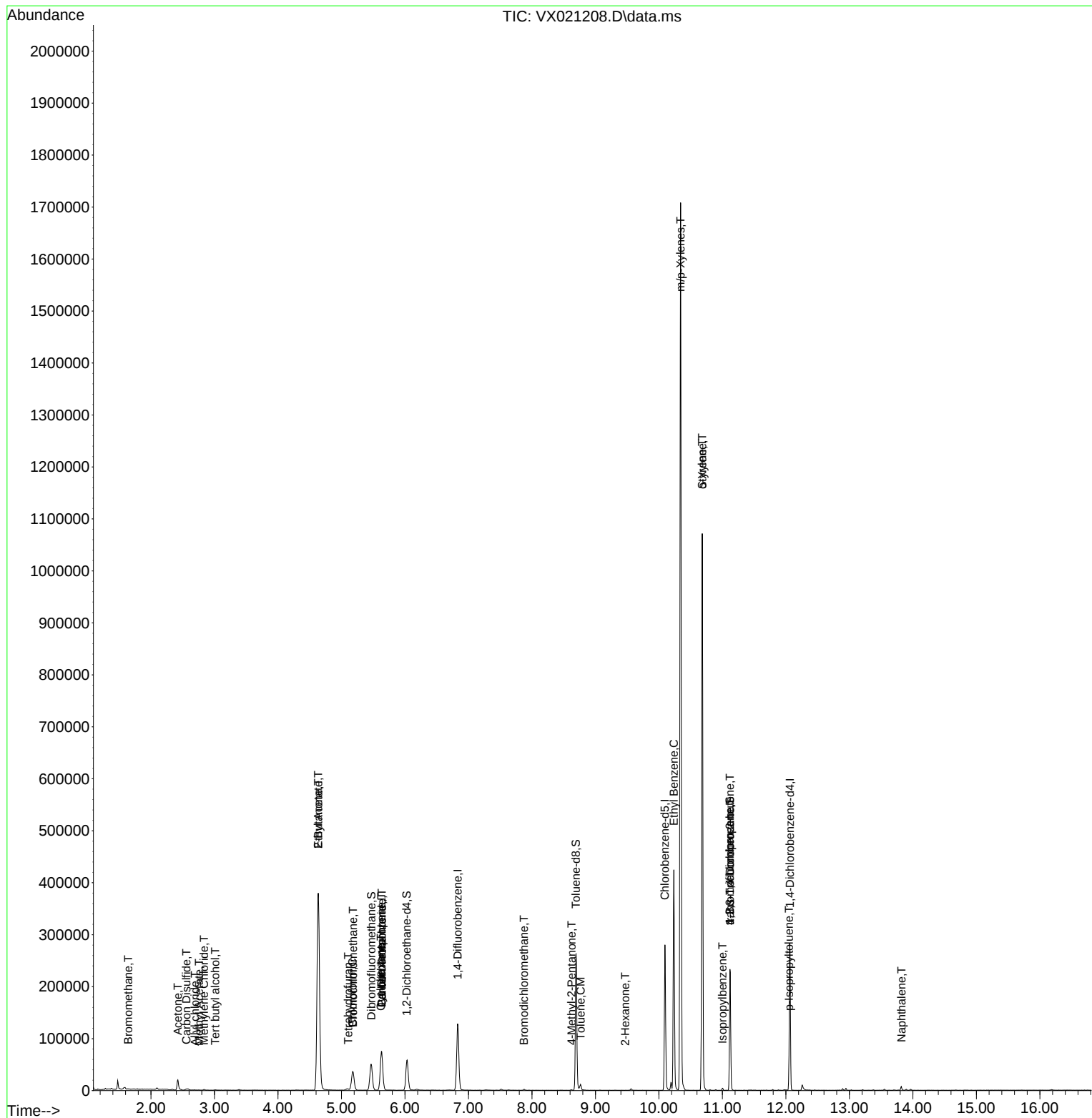
Internal Standards						
1) Pentafluorobenzene	5.635	168	64023	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	119168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	52256	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	57826	52.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.94%			
35) Dibromofluoromethane	5.470	113	41561	50.69	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.38%			
50) Toluene-d8	8.694	98	150331	51.04	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.08%			
62) 4-Bromofluorobenzene	11.118	95	60728	54.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.22%			
Target Compounds					Qvalue	
5) Bromomethane	1.640	94	119	0.25	ug/l	89
11) Tert butyl alcohol	3.011	59	720	3.79	ug/l #	73
14) Allyl chloride	2.693	41	477	0.32	ug/l #	65
16) Acetone	2.423	43	21466	48.92	ug/l	89
17) Carbon Disulfide	2.558	76	2298	1.13	ug/l	99
18) Methyl Acetate	2.758	43	509	0.48	ug/l #	47
20) Methylene Chloride	2.834	84	451	0.54	ug/l	94
25) 2-Butanone	4.635	43	674325	1068.13	ug/l #	88
28) Bromochloromethane	5.182	49	3776	5.10	ug/l #	9
29) Tetrahydrofuran	5.105	42	291	0.71	ug/l #	43
30) Chloroform	5.176	83	40998	26.56	ug/l	99
31) Cyclohexane	5.623	56	2078	1.50	ug/l #	33
36) 1,1-Dichloropropene	5.629	75	6045	4.84	ug/l #	50
37) Ethyl Acetate	4.635	43	674325	490.16	ug/l #	65
38) Carbon Tetrachloride	5.635	117	7381	5.38	ug/l #	15
47) Bromodichloromethane	7.876	83	1088	0.79	ug/l #	87
51) 4-Methyl-2-Pentanone	8.623	43	721	0.55	ug/l #	84
52) Toluene	8.765	92	3348	1.59	ug/l	99
59) 2-Hexanone	9.470	43	234	0.24	ug/l #	41
67) Ethyl Benzene	10.235	91	233439	53.04	ug/l	98
68) m/p-Xylenes	10.341	106	362442	229.84	ug/l	94
69) o-Xylene	10.682	106	203380	132.85	ug/l	93
70) Styrene	10.682	104	10010	3.86	ug/l #	1
73) Isopropylbenzene	11.000	105	1951	0.48	ug/l	99
76) 1,2,3-Trichloropropane	11.118	75	35118	27.10	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	35118	76.92	ug/l #	12
86) p-Isopropyltoluene	12.047	119	1065	0.31	ug/l #	74
95) Naphthalene	13.818	128	4165	2.52	ug/l	98

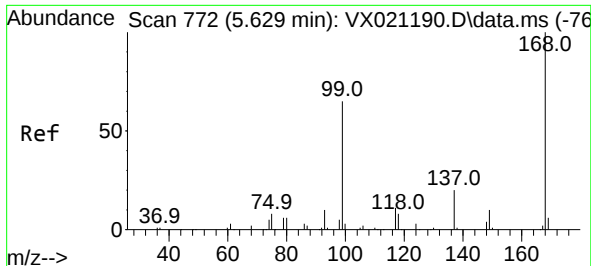
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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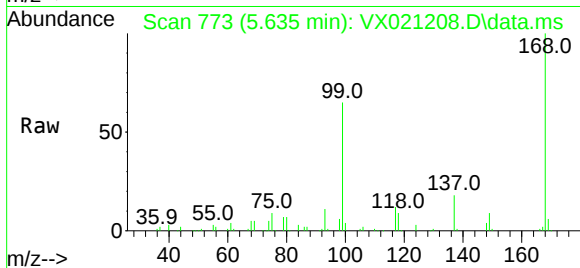
Quant Time: Mar 16 03:04:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
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QLast Update : Mon Mar 15 11:55:59 2021
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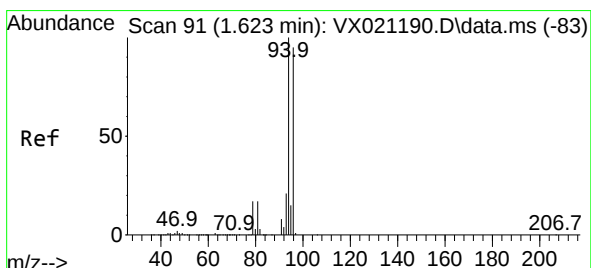
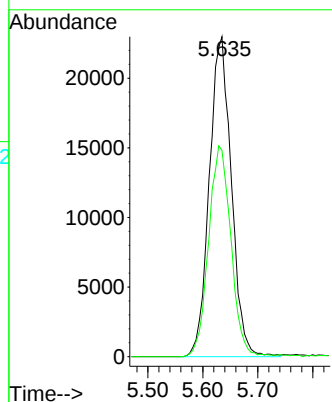
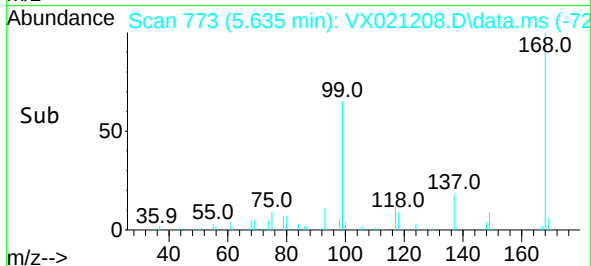


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

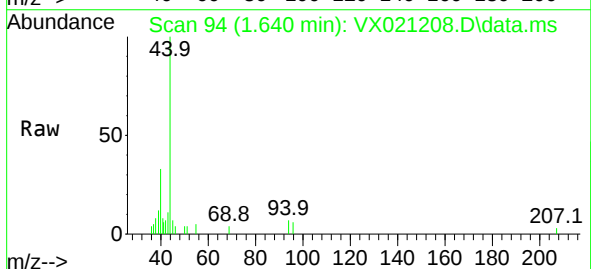
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)



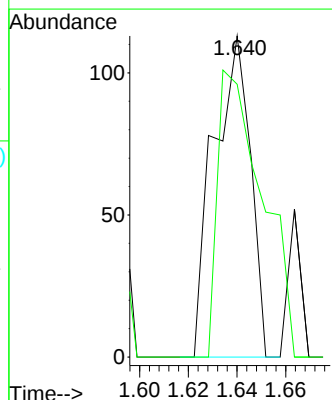
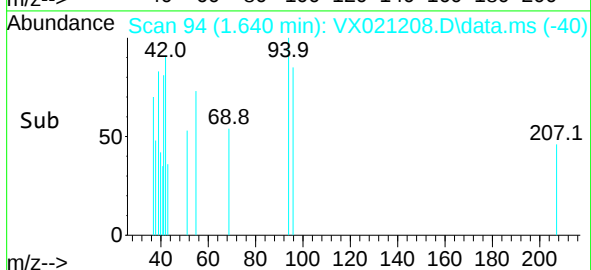
Tgt Ion:168 Resp: 64023
Ion Ratio Lower Upper
168 100
99 64.5 45.8 68.6

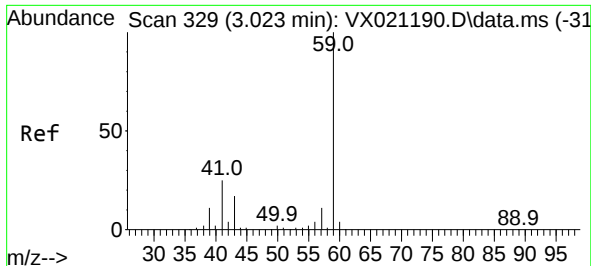


#5
Bromomethane
Concen: 0.25 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31



Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 85.0 76.4 114.6

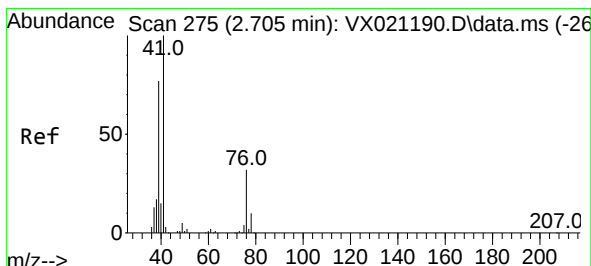
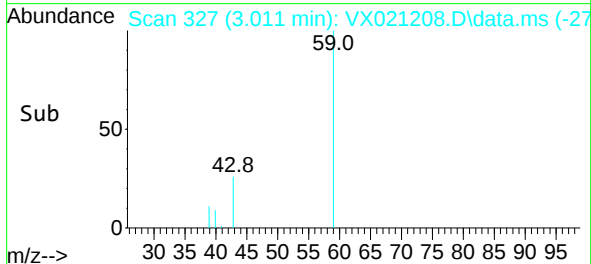
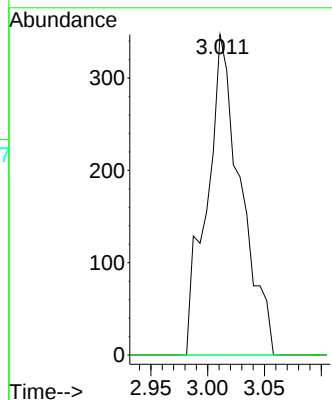
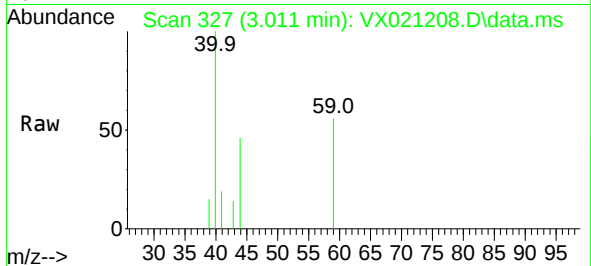




#11
Tert butyl alcohol
Concen: 3.79 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

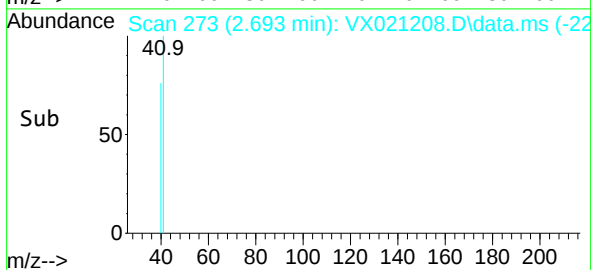
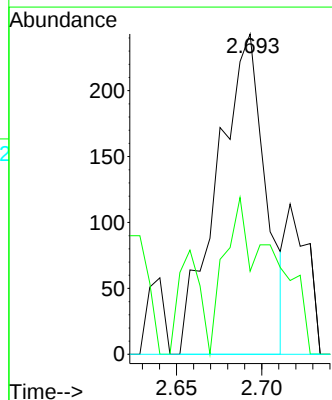
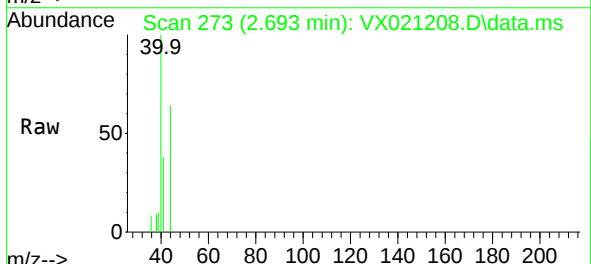
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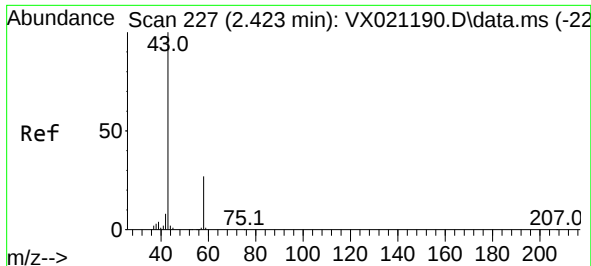
Tgt Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#14
Allyl chloride
Concen: 0.32 ug/l
RT: 2.693 min Scan# 273
Delta R.T. -0.012 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

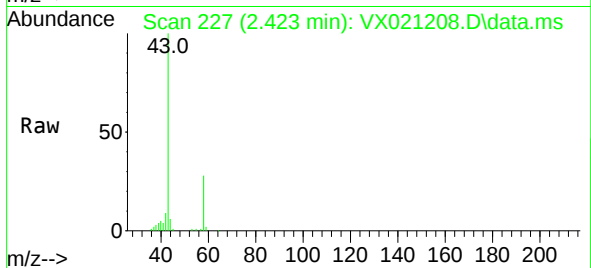
Tgt Ion: 41 Resp: 477
Ion Ratio Lower Upper
41 100
39 50.5 51.6 77.4#
76 0.0 30.5 45.7#



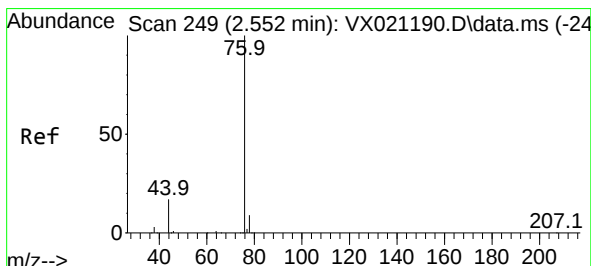
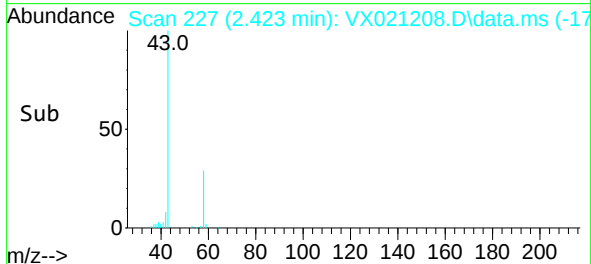
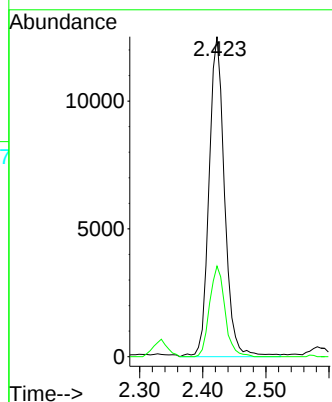


#16
Acetone
Concen: 48.92 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

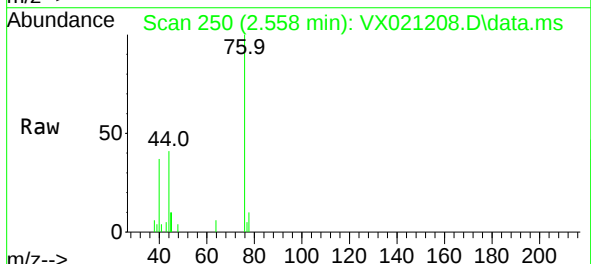
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)



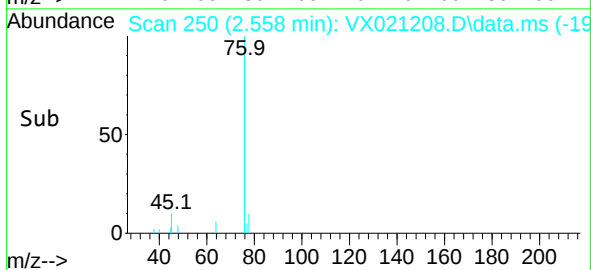
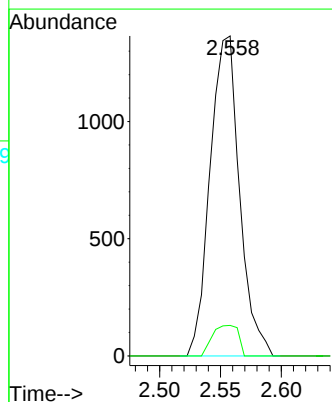
Tgt Ion: 43 Resp: 21466
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8

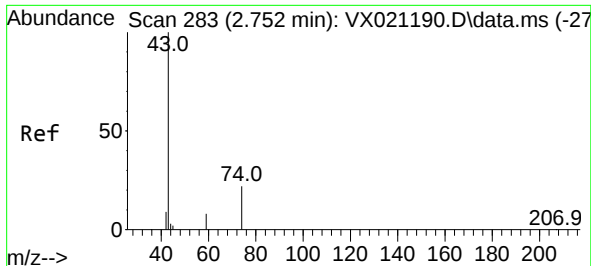


#17
Carbon Disulfide
Concen: 1.13 ug/l
RT: 2.558 min Scan# 250
Delta R.T. 0.012 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31



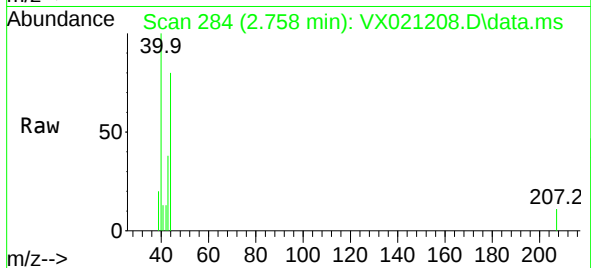
Tgt Ion: 76 Resp: 2298
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



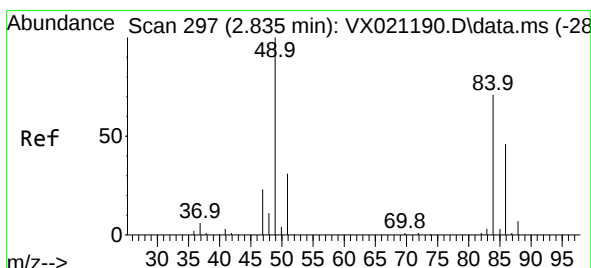
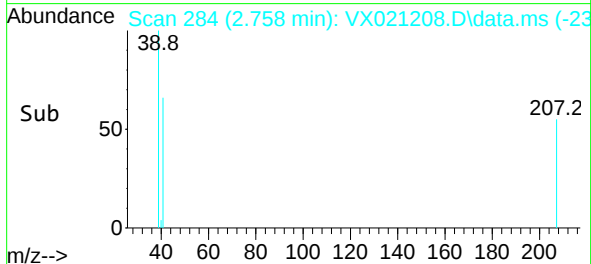
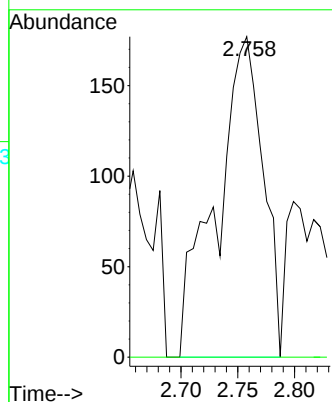


#18
Methyl Acetate
Concen: 0.48 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

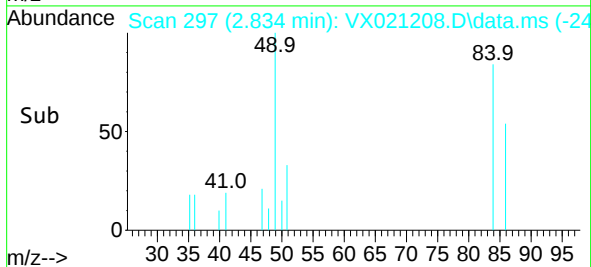
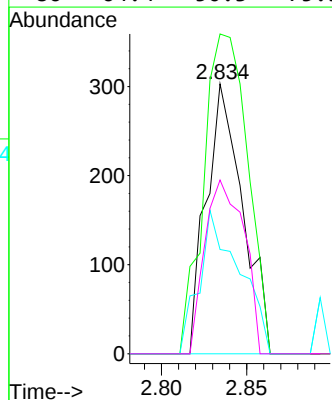
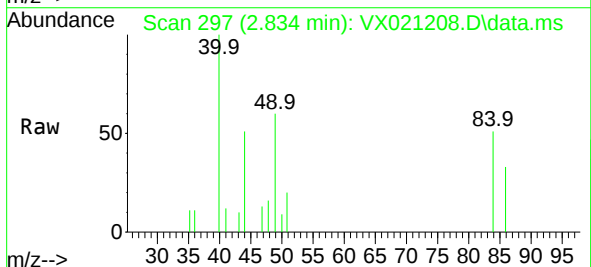


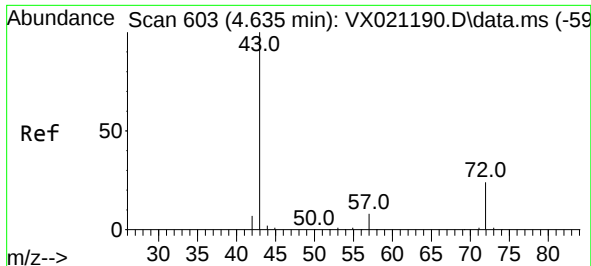
Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.54 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 118.5 88.6 132.8
51 38.6 27.0 40.6
86 64.4 50.3 75.5

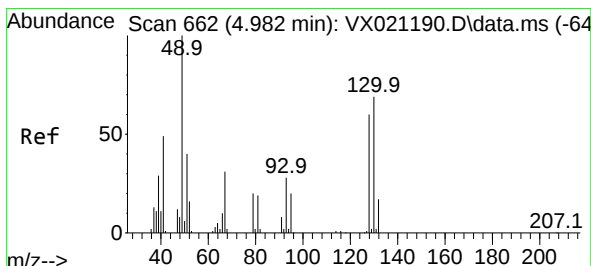
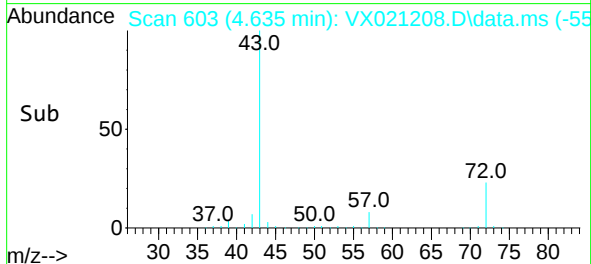
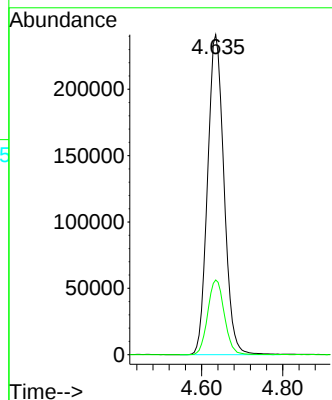
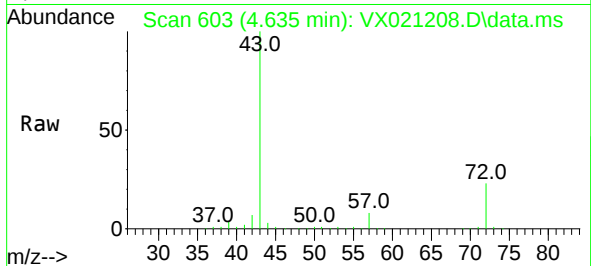




#25
2-Butanone
Concen: 1068.13 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

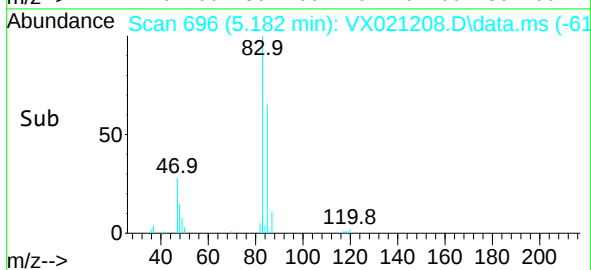
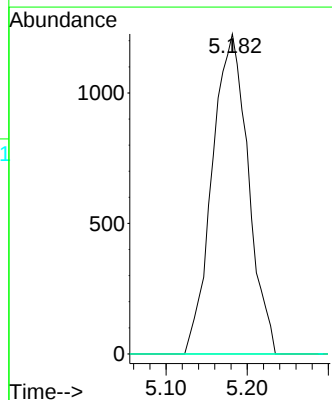
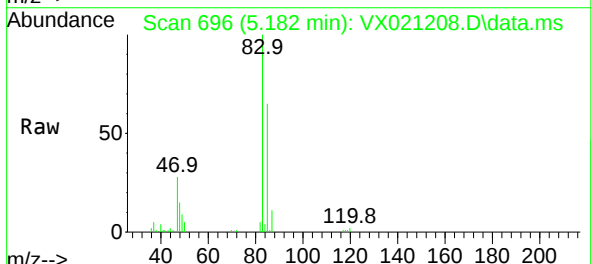
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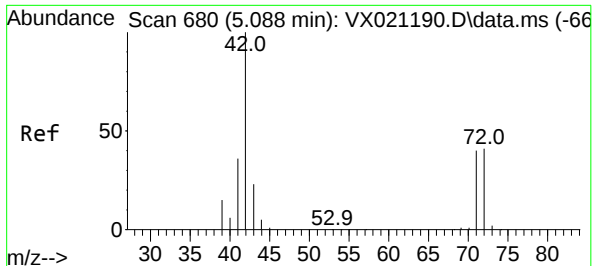
Tgt Ion: 43 Resp: 674325
Ion Ratio Lower Upper
43 100
72 23.3 23.7 35.5#



#28
Bromochloromethane
Concen: 5.10 ug/l
RT: 5.182 min Scan# 696
Delta R.T. 0.200 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 49 Resp: 3776
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 0.71 ug/l

RT: 5.105 min Scan# 683

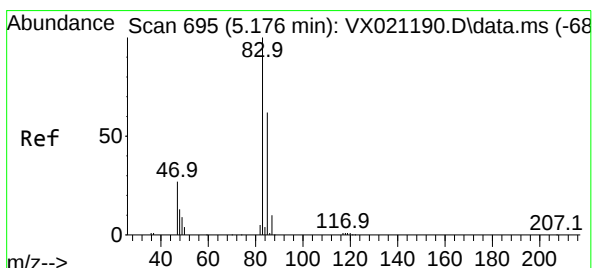
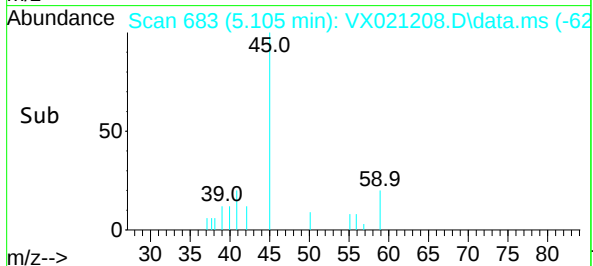
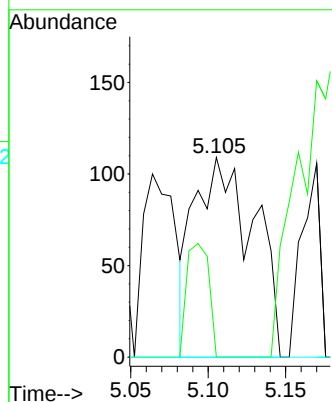
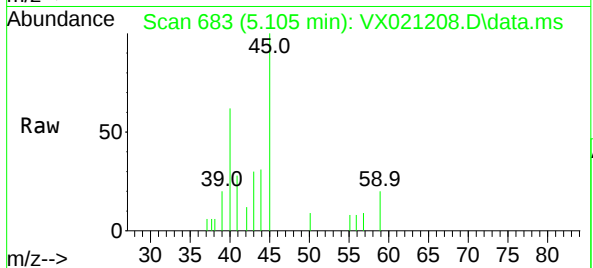
Delta R.T. 0.017 min

Lab File: VX021208.D

Acq: 15 Mar 2021 18:31

Tgt Ion:	42	Resp:	291
Ion	Ratio	Lower	Upper
42	100		
72	21.3	41.7	62.5#
71	0.0	38.4	57.6#

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#30

Chloroform

Concen: 26.56 ug/l

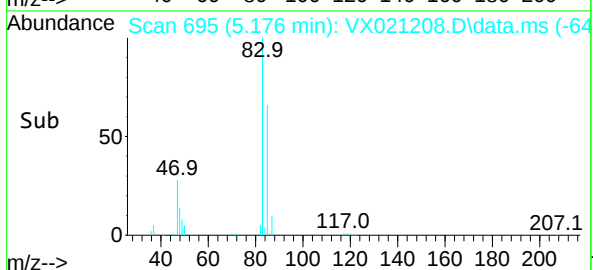
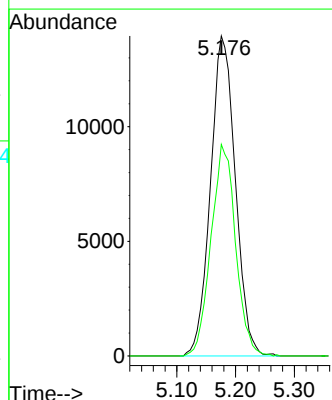
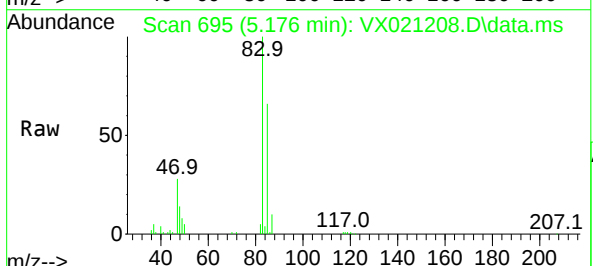
RT: 5.176 min Scan# 695

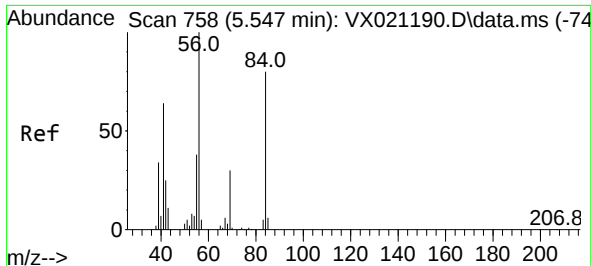
Delta R.T. -0.000 min

Lab File: VX021208.D

Acq: 15 Mar 2021 18:31

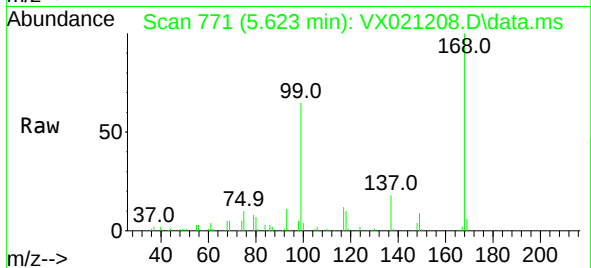
Tgt Ion:	83	Resp:	40998
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0



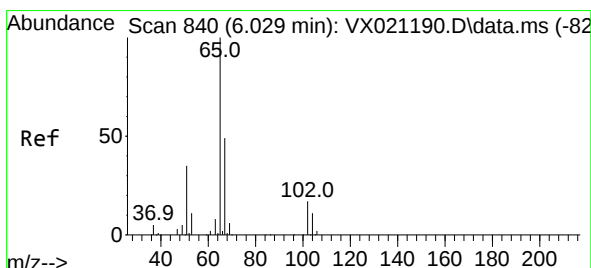
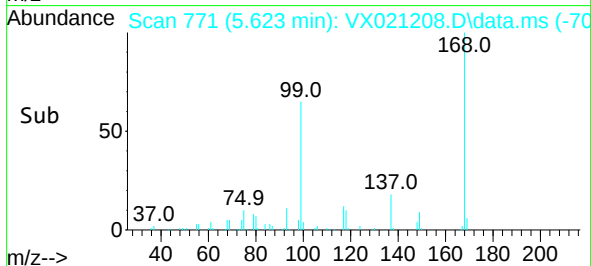
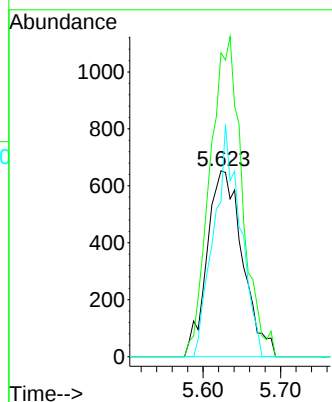


#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

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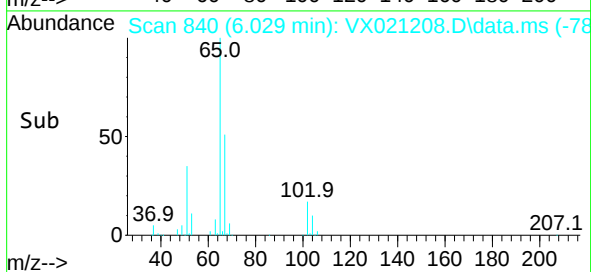
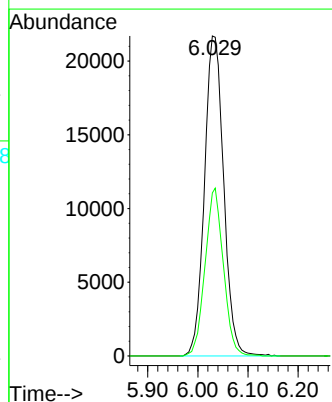
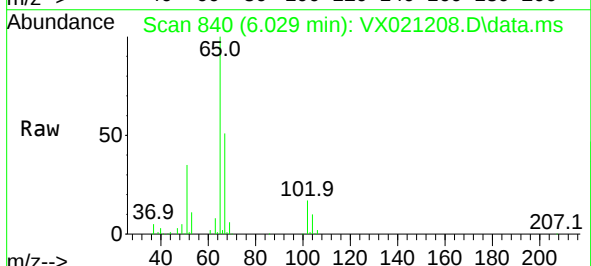


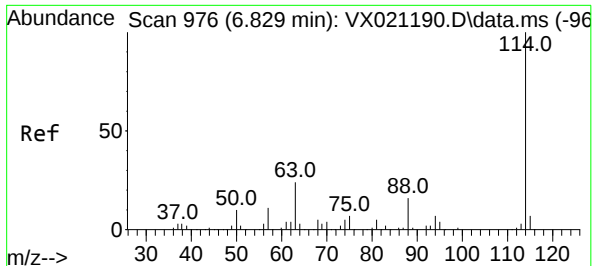
Tgt Ion: 56 Resp: 2078
Ion Ratio Lower Upper
56 100
69 163.4 25.3 37.9#
84 83.2 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.97 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 65 Resp: 57826
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

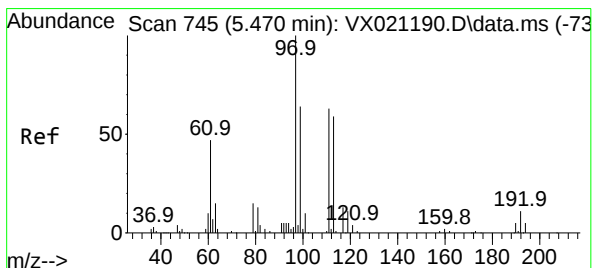
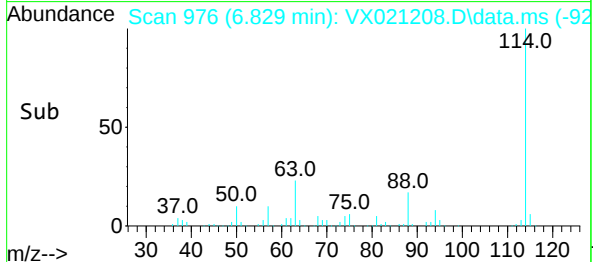
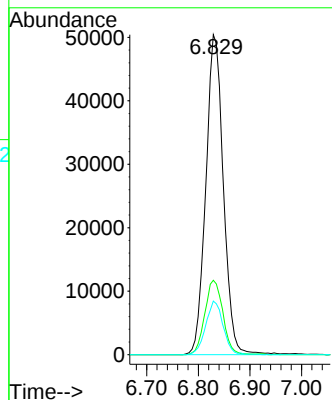
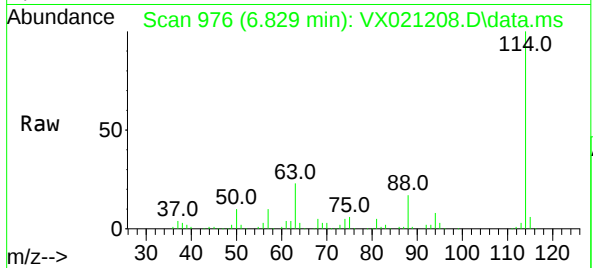




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

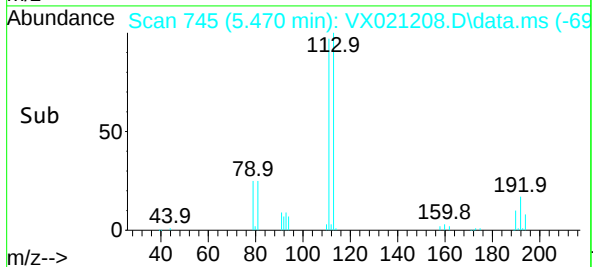
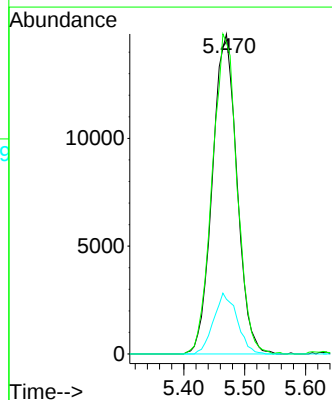
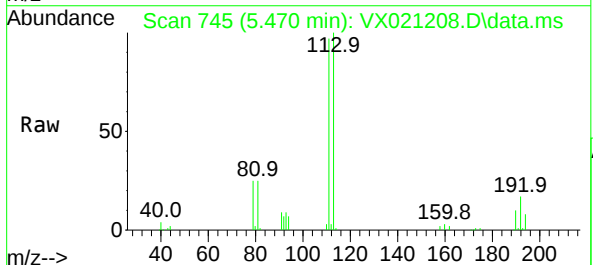
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

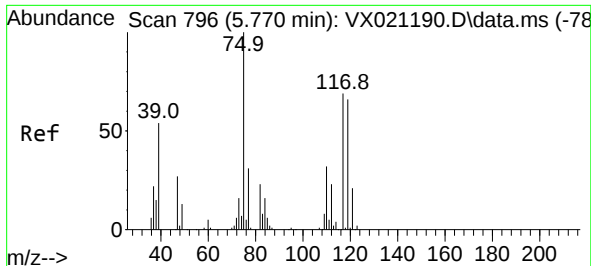
Tgt Ion:114 Resp: 119168
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.69 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

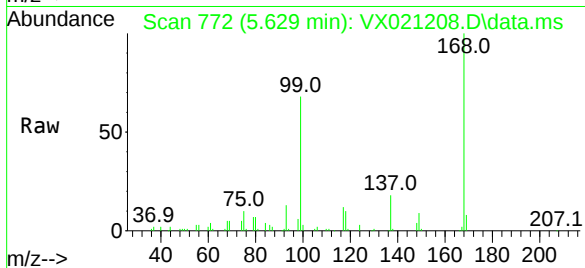
Tgt Ion:113 Resp: 41561
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 18.3 16.7 25.1



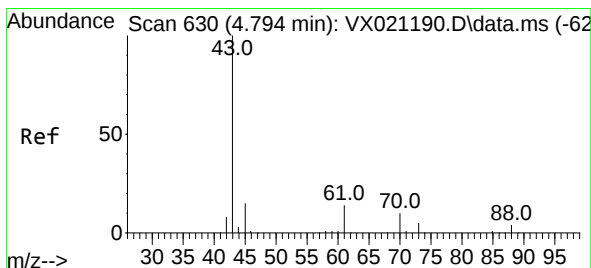
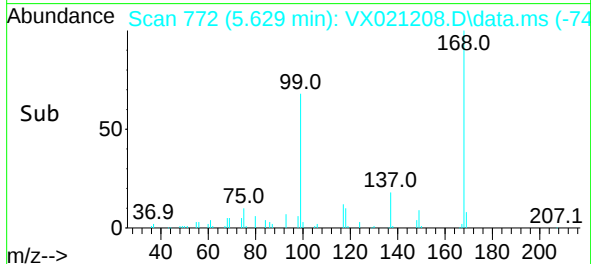
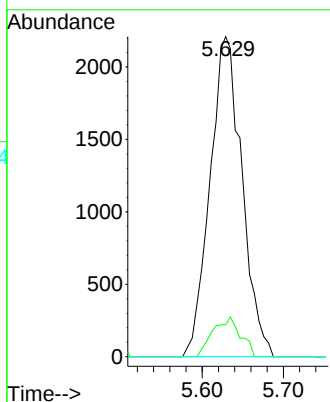


#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

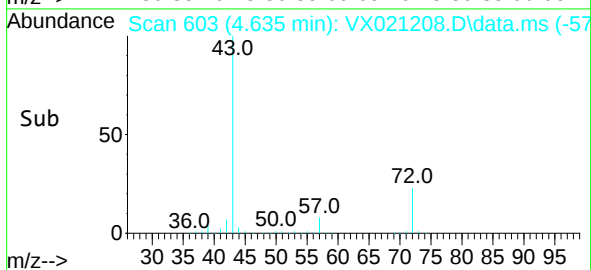
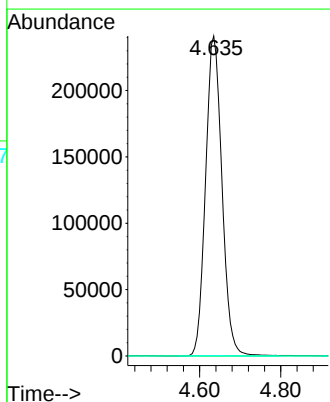
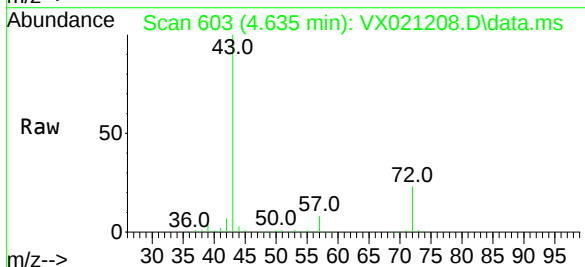


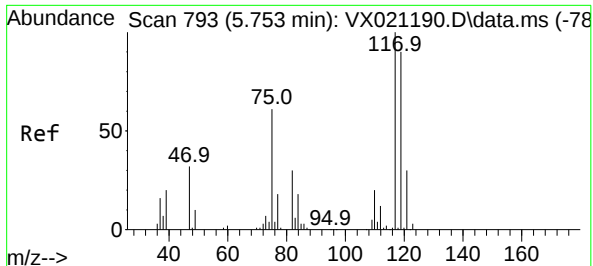
Tgt Ion: 75 Resp: 6045
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 490.16 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.159 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

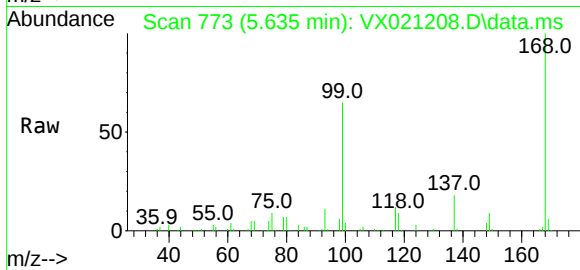
Tgt Ion: 43 Resp: 674325
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.1 10.5 15.7#



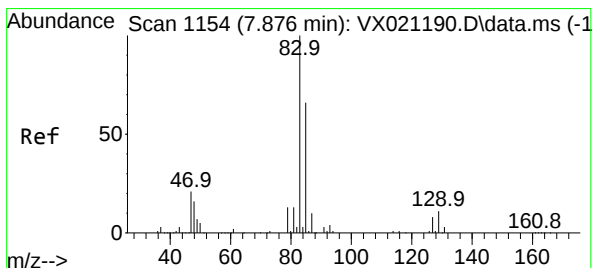
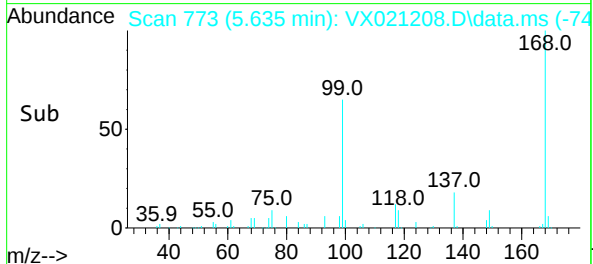
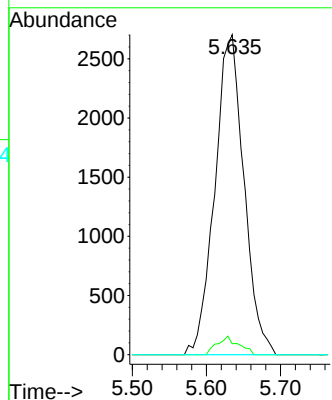


#38
Carbon Tetrachloride
Concen: 5.38 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.118 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

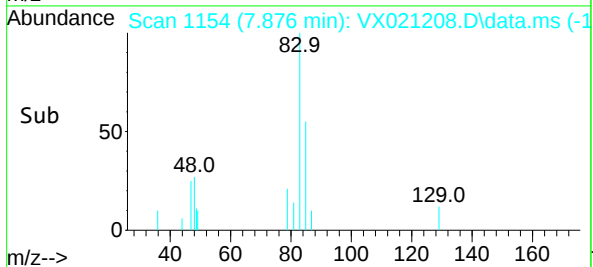
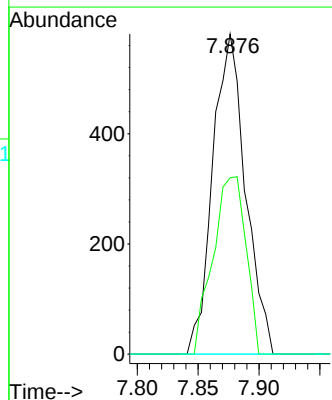
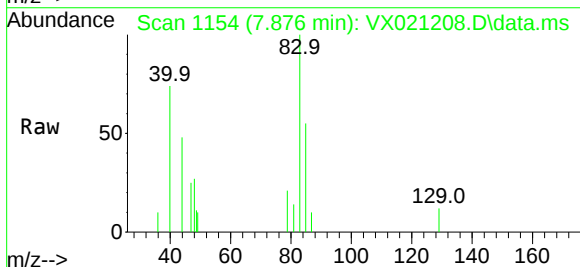


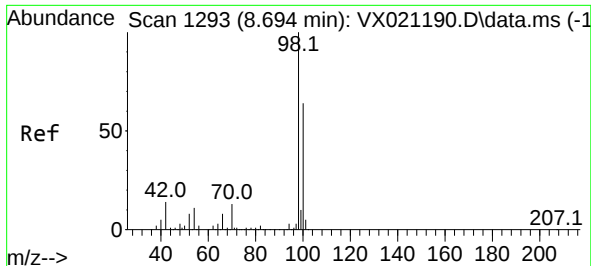
Tgt Ion:117 Resp: 7381
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#



#47
Bromodichloromethane
Concen: 0.79 ug/l
RT: 7.876 min Scan# 1154
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 83 Resp: 1088
Ion Ratio Lower Upper
83 100
85 55.1 51.4 77.0
127 0.0 6.8 10.2#

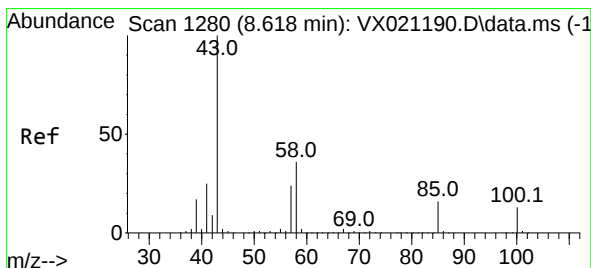
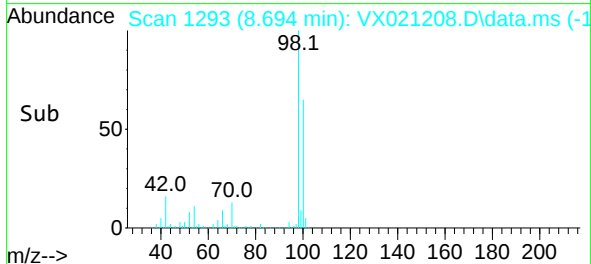
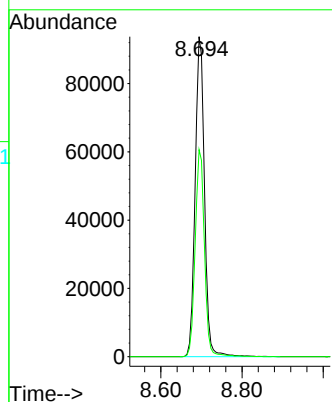
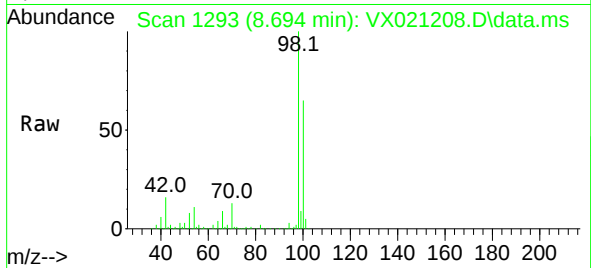




#50
Toluene-d8
Concen: 51.04 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

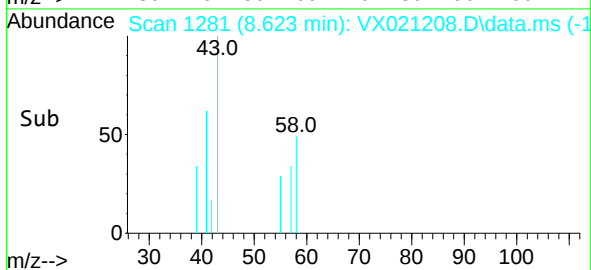
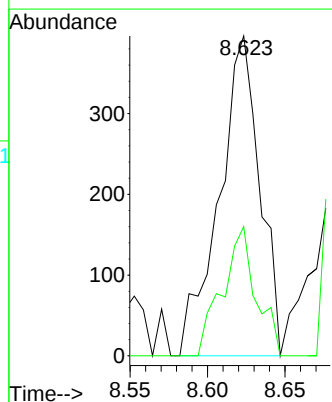
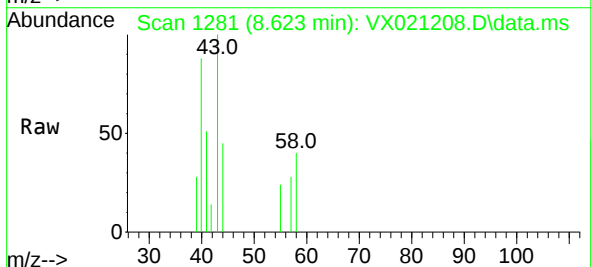
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

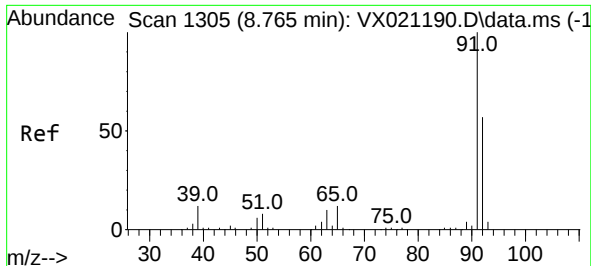
Tgt Ion: 98 Resp: 150331
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 8.623 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
58 33.6 35.4 53.0#

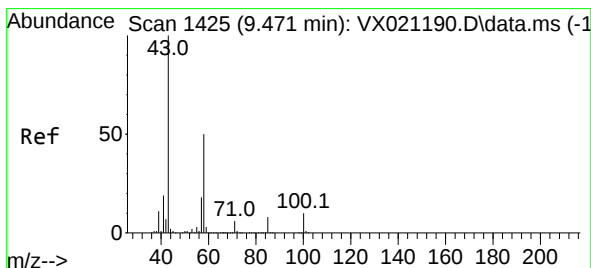
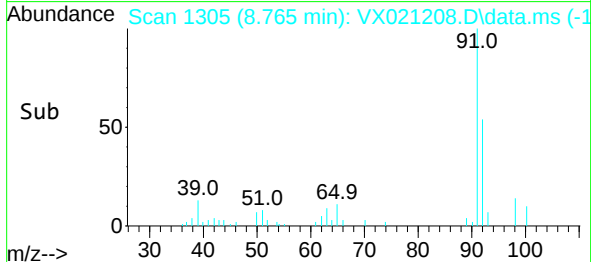
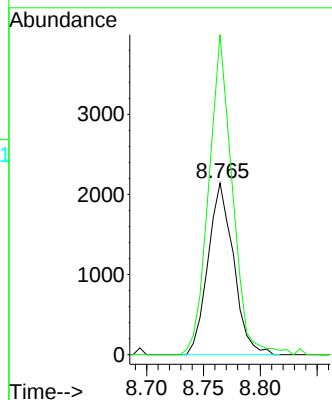
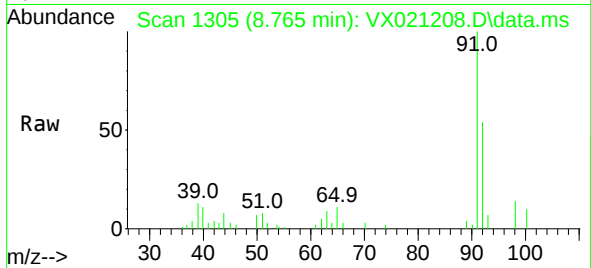




#52
Toluene
Concen: 1.59 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

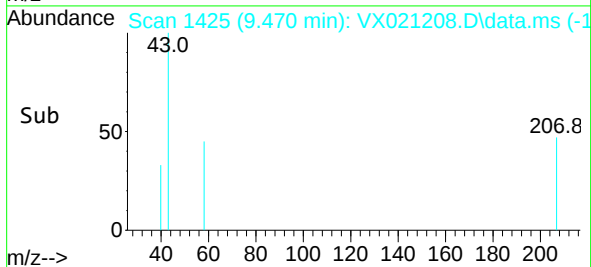
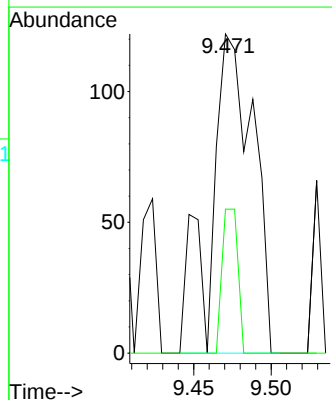
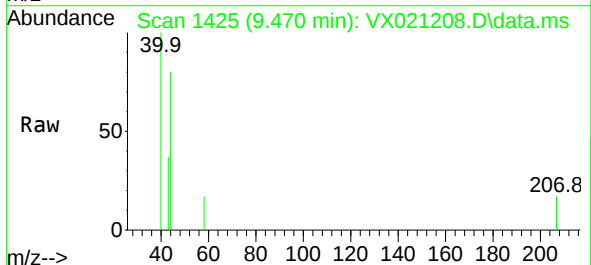
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

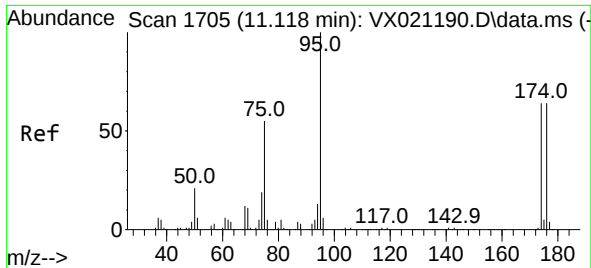
Tgt Ion: 92 Resp: 3348
Ion Ratio Lower Upper
92 100
91 173.2 137.1 205.7



#59
2-Hexanone
Concen: 0.24 ug/l
RT: 9.470 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 43 Resp: 234
Ion Ratio Lower Upper
43 100
58 16.7 30.9 92.8#

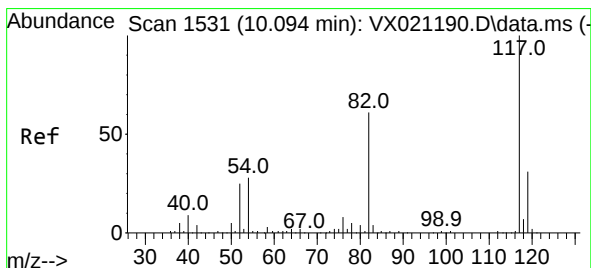
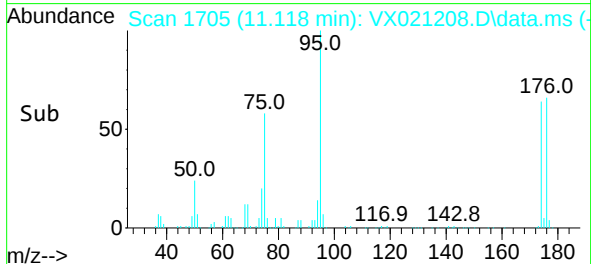
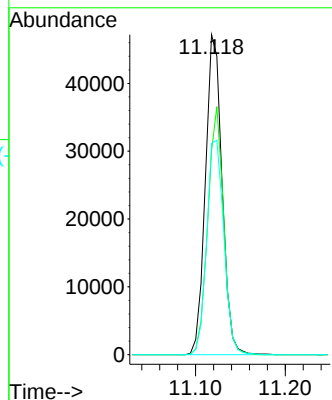
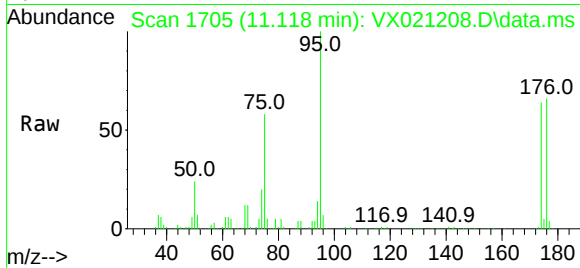




#62
4-Bromofluorobenzene
Concen: 54.11 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

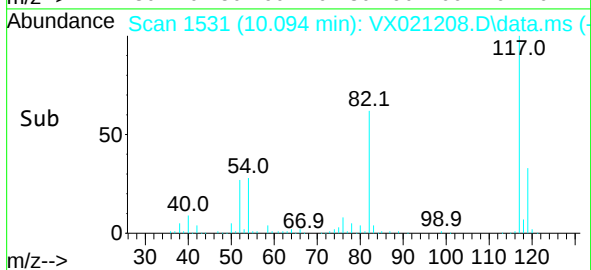
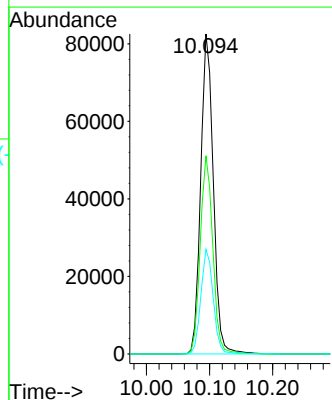
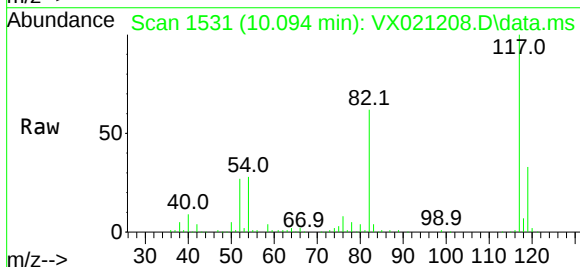
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

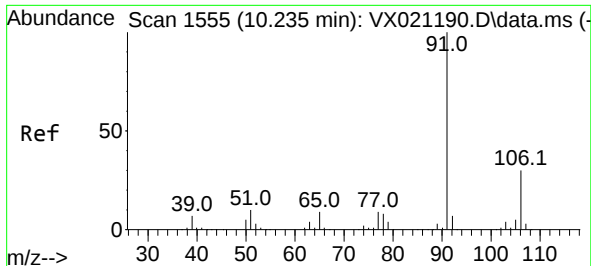
Tgt Ion: 95 Resp: 60728
Ion Ratio Lower Upper
95 100
174 73.6 0.0 154.6
176 69.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 117 Resp: 114474
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 32.7 26.6 39.8

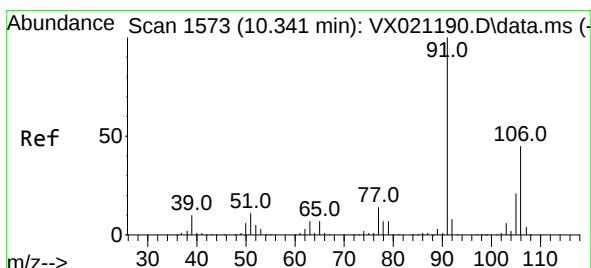
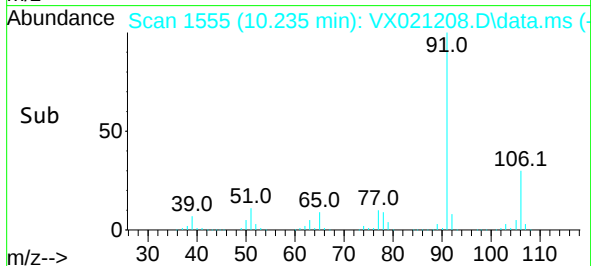
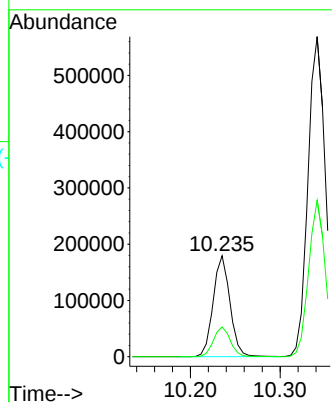
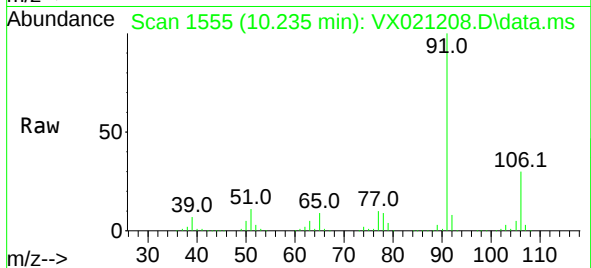




#67
Ethyl Benzene
Concen: 53.04 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

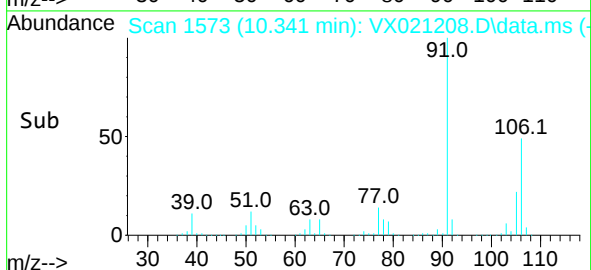
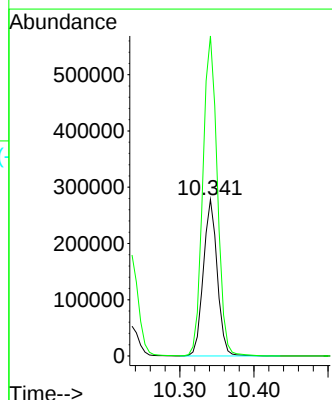
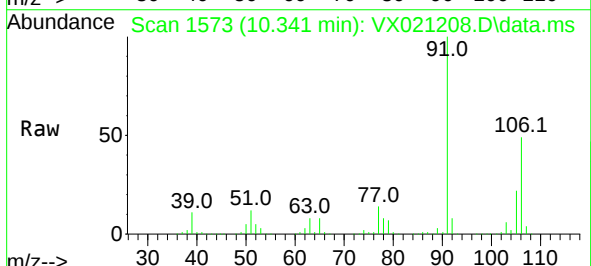
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

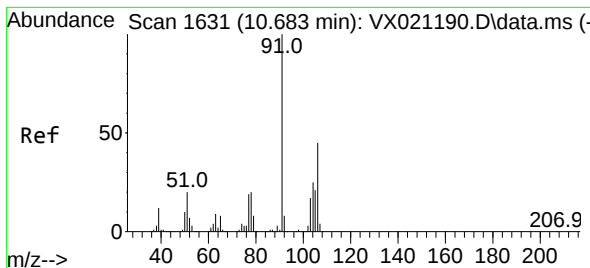
Tgt Ion: 91 Resp: 233439
Ion Ratio Lower Upper
91 100
106 29.5 24.6 37.0



#68
m/p-Xylenes
Concen: 229.84 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion:106 Resp: 362442
Ion Ratio Lower Upper
106 100
91 213.3 162.8 244.2

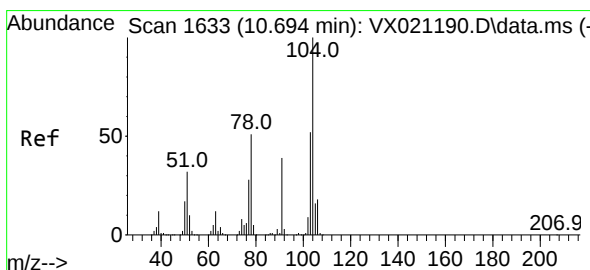
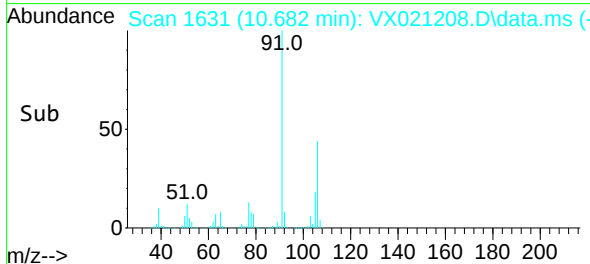
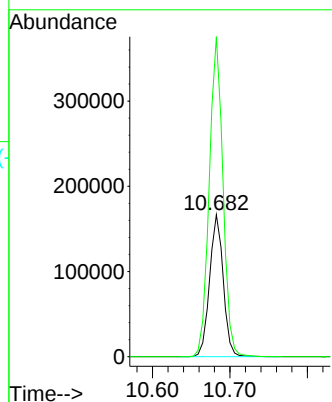
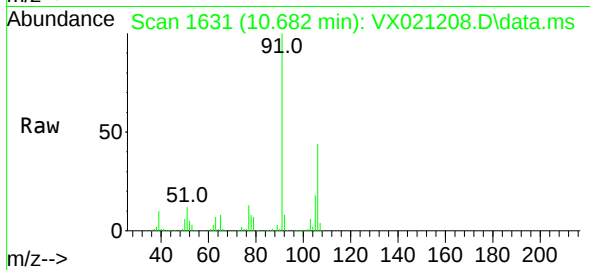




#69
o-Xylene
Concen: 132.85 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

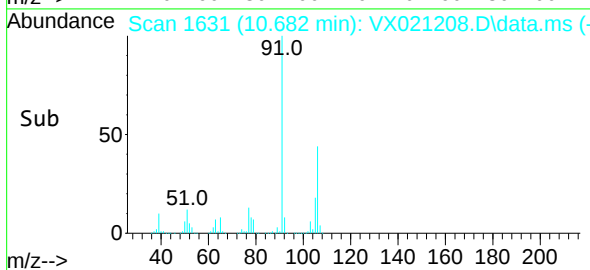
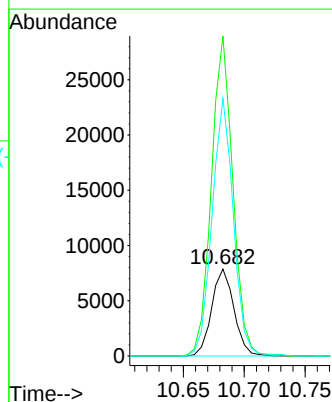
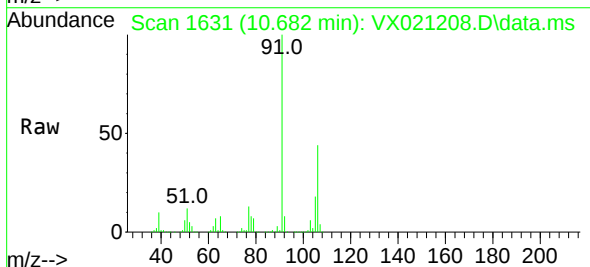
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

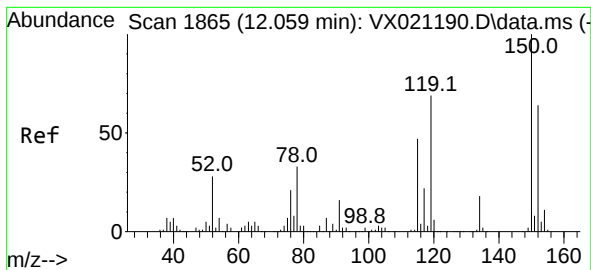
Tgt Ion:106 Resp: 203380
Ion Ratio Lower Upper
106 100
91 227.6 108.1 324.2



#70
Styrene
Concen: 3.86 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.012 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion:104 Resp: 10010
Ion Ratio Lower Upper
104 100
78 355.2 40.0 60.0#
103 283.3 43.4 65.0#

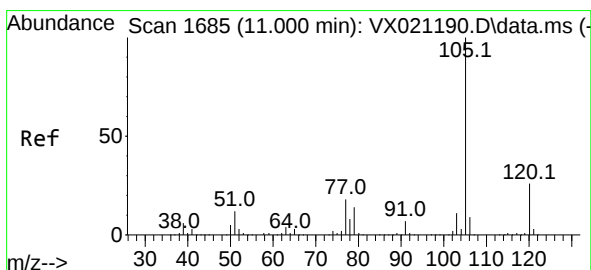
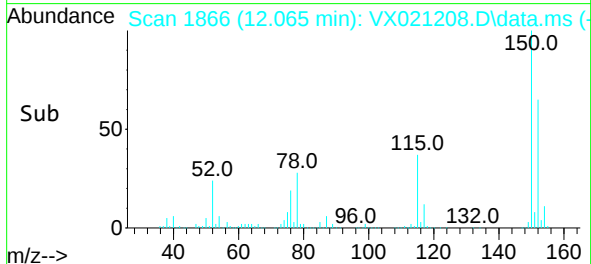
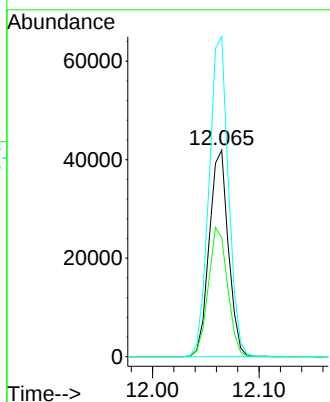
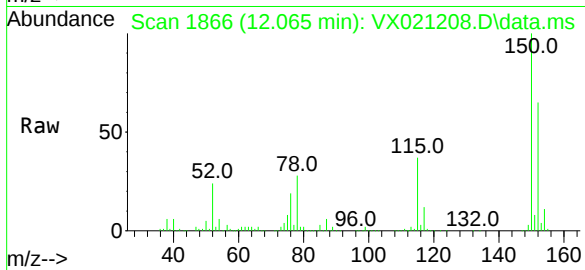




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

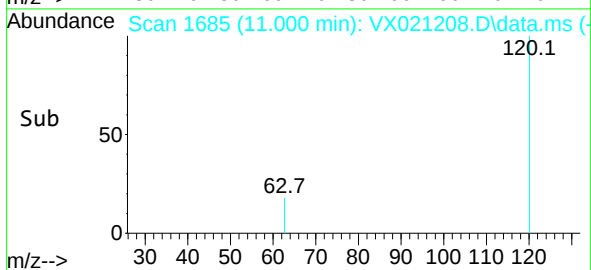
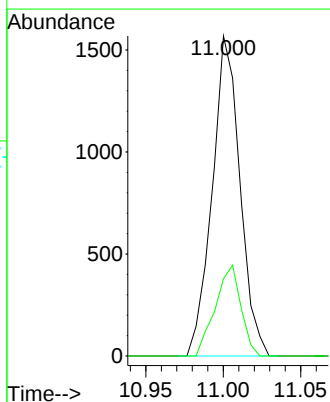
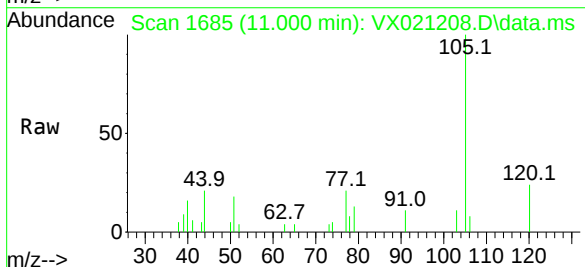
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

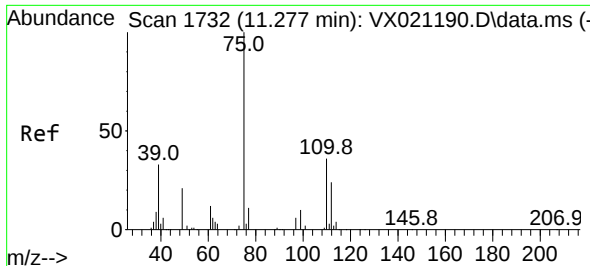
Tgt Ion:152 Resp: 52256
Ion Ratio Lower Upper
152 100
115 63.0 41.1 123.3
150 157.8 0.0 349.0



#73
Isopropylbenzene
Concen: 0.48 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion:105 Resp: 1951
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.6

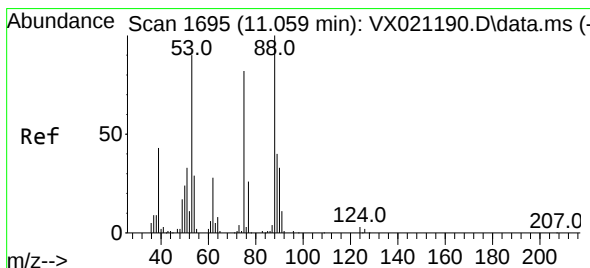
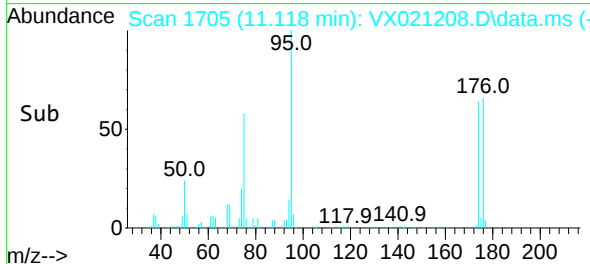
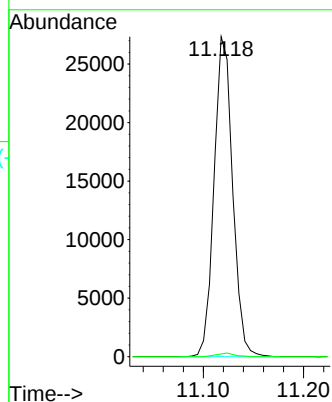
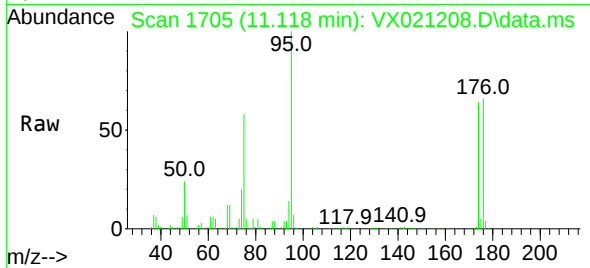




#76
1,2,3-Trichloropropane
Concen: 27.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

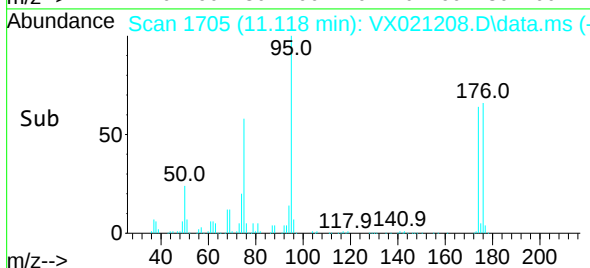
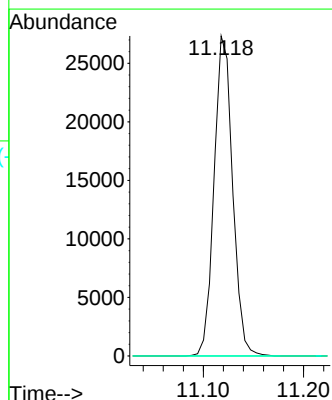
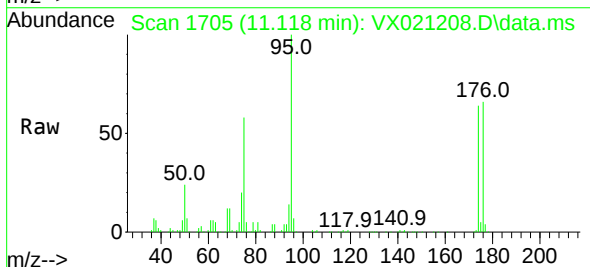
Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

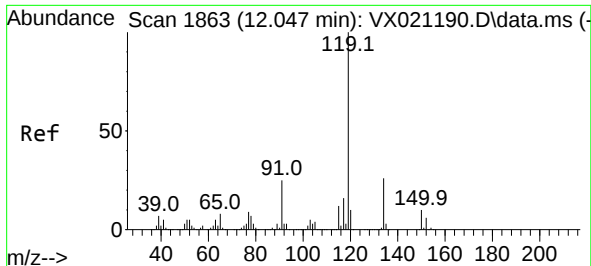
Tgt Ion: 75 Resp: 35118
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.92 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion: 75 Resp: 35118
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

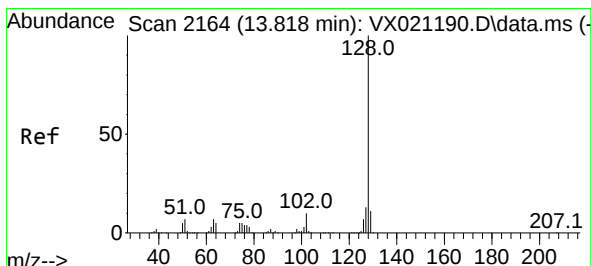
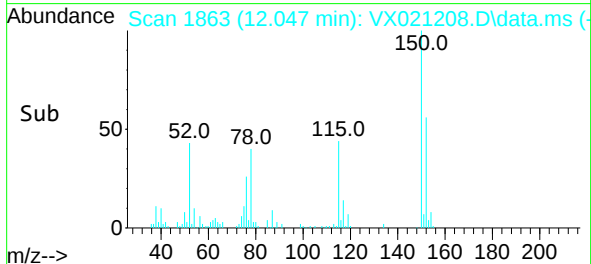
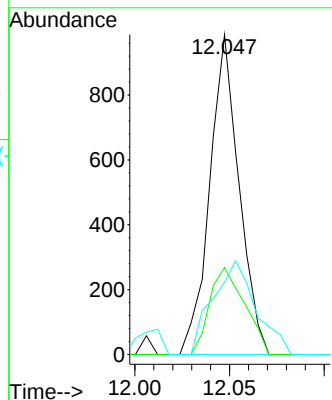
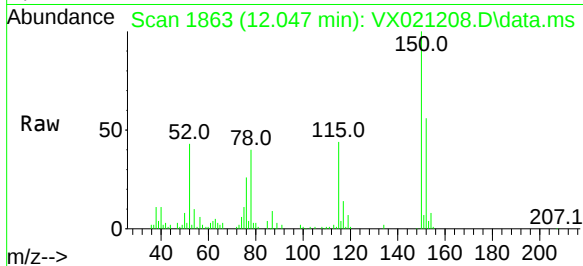




#86
p-Isopropyltoluene
Concen: 0.31 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Instrument :
MSVOA_X
ClientSampleId :
D2470-D2800(WATER)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	32.5	12.9	38.7
91	43.1	11.7	35.0



#95
Naphthalene
Concen: 2.52 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021208.D
Acq: 15 Mar 2021 18:31

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.8	8.8	13.2

