

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023851.D
 Acq On : 19 Aug 2021 20:32
 Operator : JC/MD
 Sample : M3483-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BB-TT-VPB-RW7-GW-260-262

Quant Time: Aug 20 03:16:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

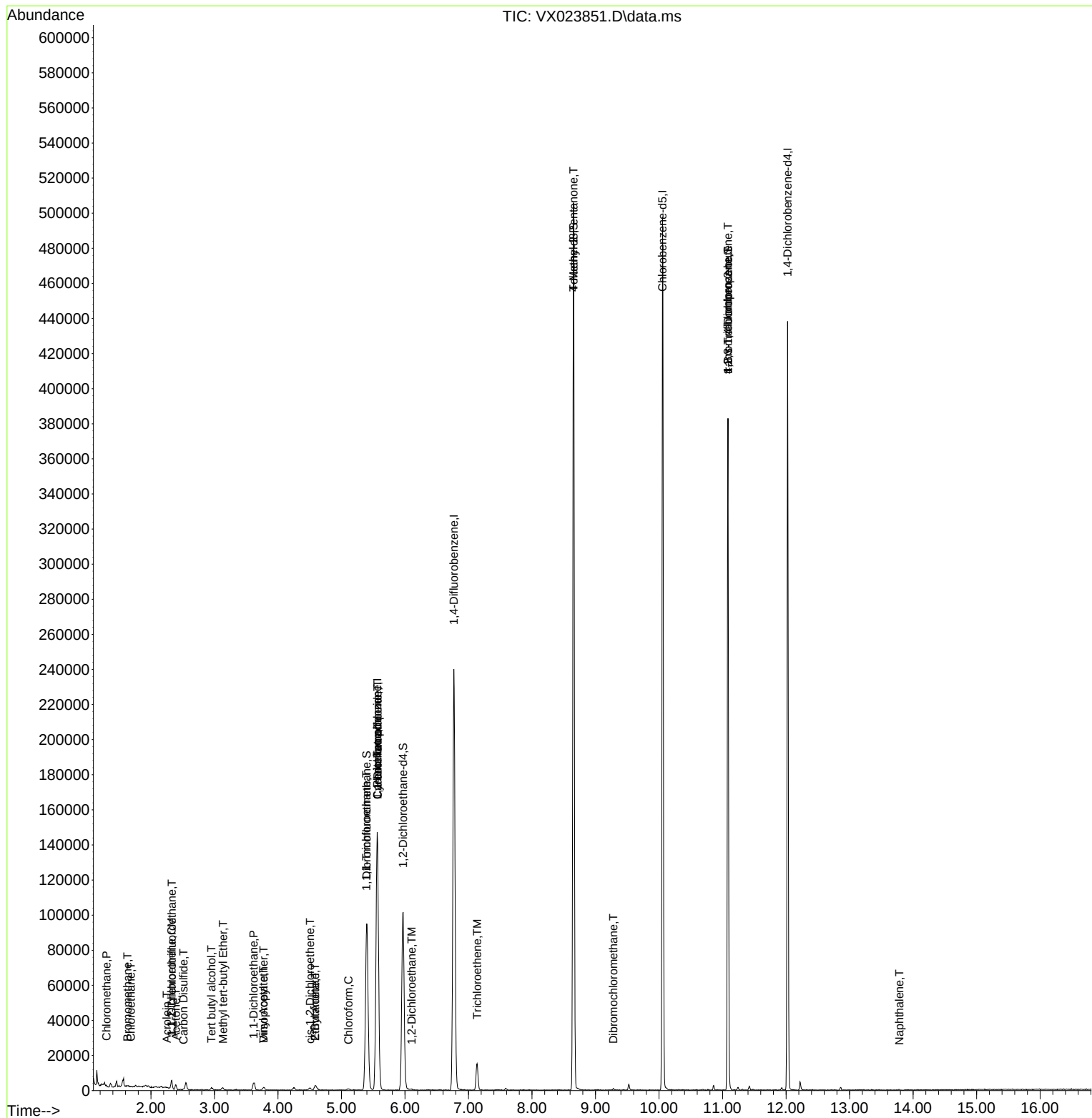
Internal Standards						
1) Pentafluorobenzene	5.562	168	136495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236408	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	99799	52.387	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.780%			
35) Dibromofluoromethane	5.397	113	77570	49.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.140%			
50) Toluene-d8	8.653	98	287807	48.327	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.660%			
62) 4-Bromofluorobenzene	11.085	95	94417	43.067	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.140%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	464	0.294	ug/l #	79
5) Bromomethane	1.630	94	583	0.601	ug/l	95
6) Chloroethane	1.684	64	333	2.464	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	412	0.301	ug/l #	83
11) Tert butyl alcohol	2.952	59	936	2.430	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	1388	1.060	ug/l	93
13) Acrolein	2.251	56	173	0.755	ug/l #	14
16) Acetone	2.392	43	3039	3.568	ug/l #	84
17) Carbon Disulfide	2.514	76	723	0.231	ug/l #	75
19) Methyl tert-butyl Ether	3.135	73	1479	0.324	ug/l	100
22) Diisopropyl ether	3.775	45	1391	0.289	ug/l #	80
23) Vinyl Acetate	3.769	43	994	0.256	ug/l #	68
24) 1,1-Dichloroethane	3.617	63	4986	1.863	ug/l	99
25) 2-Butanone	4.586	43	1066	0.826	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	778	0.467	ug/l	81
30) Chloroform	5.111	83	1065	0.376	ug/l #	79
31) Cyclohexane	5.568	56	3339	1.364	ug/l #	32
32) 1,1,1-Trichloroethane	5.391	97	2872	1.184	ug/l #	46
36) 1,1-Dichloropropene	5.568	75	10956	5.004	ug/l #	50
37) Ethyl Acetate	4.586	43	1066	0.396	ug/l #	83
38) Carbon Tetrachloride	5.568	117	13773	6.033	ug/l #	17
42) 1,2-Dichloroethane	6.104	62	794	0.312	ug/l #	73
44) Trichloroethene	7.135	130	5546	3.101	ug/l	91
51) 4-Methyl-2-Pentanone	8.653	43	1651	0.607	ug/l #	1
60) Dibromochloromethane	9.281	129	67	1.722	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	51078	25.427	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51078	74.794	ug/l #	12
95) Naphthalene	13.786	128	292	1.328	ug/l #	77

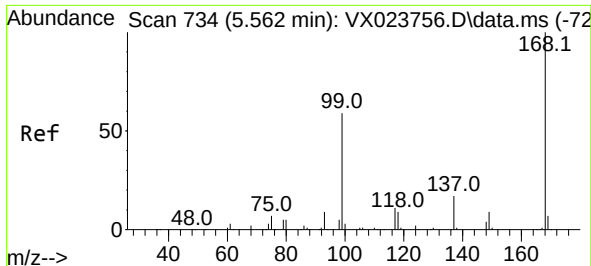
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

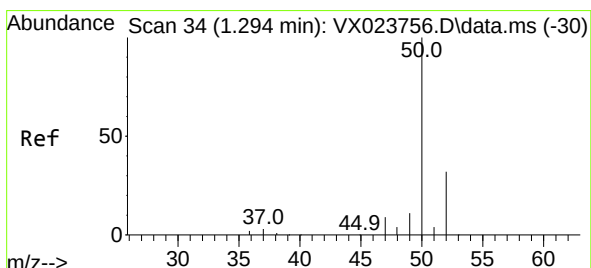
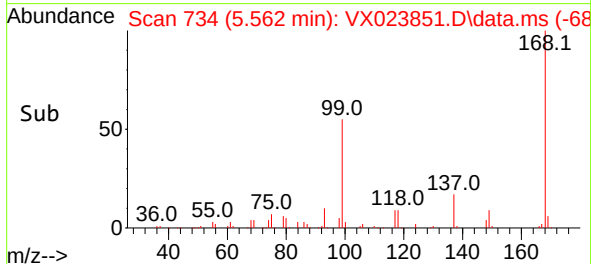
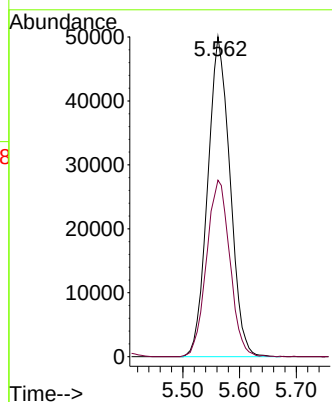
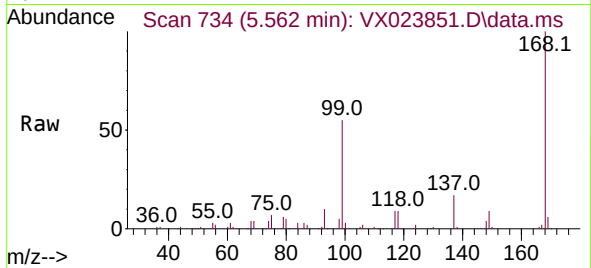




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

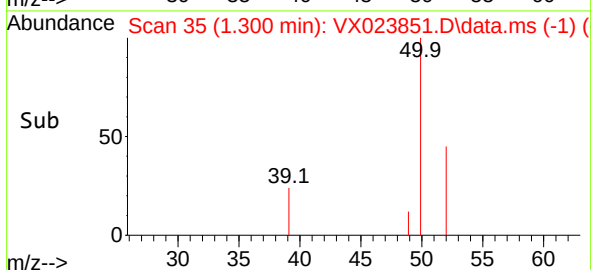
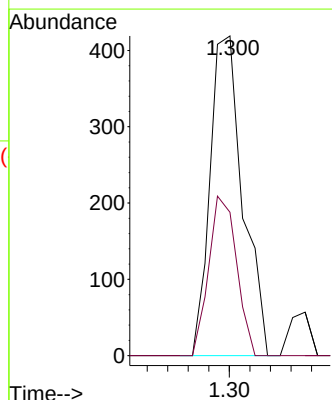
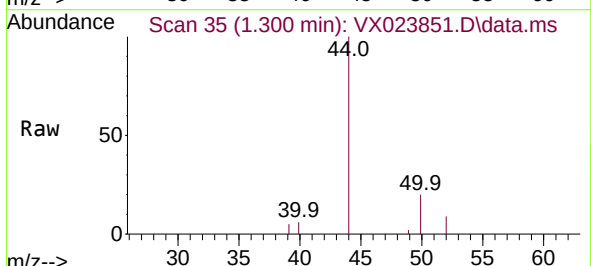
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

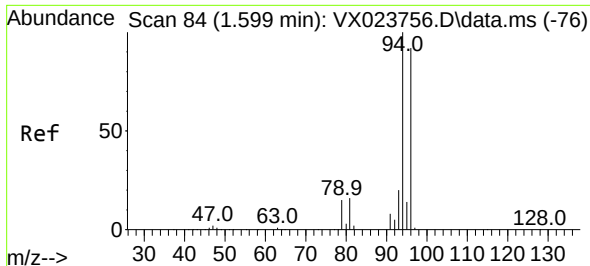
Tgt Ion:168 Resp: 136495
Ion Ratio Lower Upper
168 100
99 55.1 45.8 68.6



#3
Chloromethane
Concen: 0.294 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 50 Resp: 464
Ion Ratio Lower Upper
50 100
52 44.9 26.4 39.6#

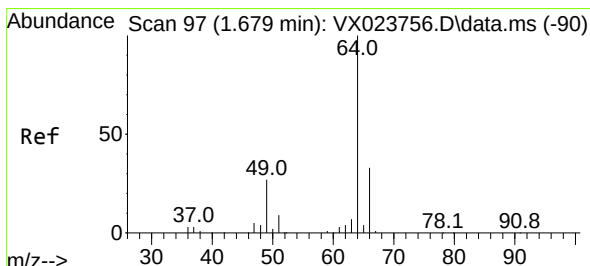
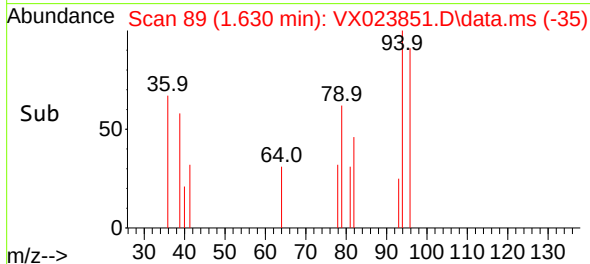
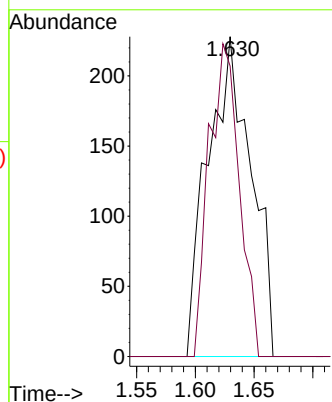
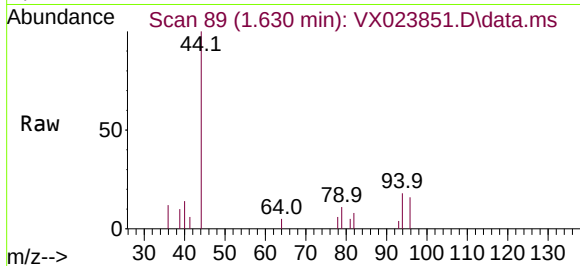




#5
Bromomethane
Concen: 0.601 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

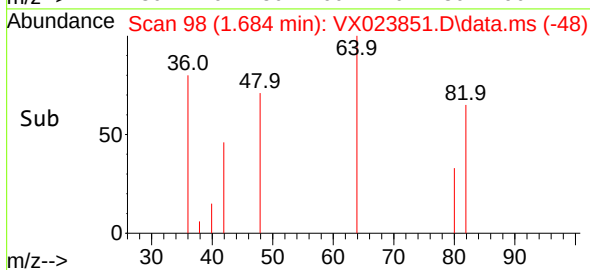
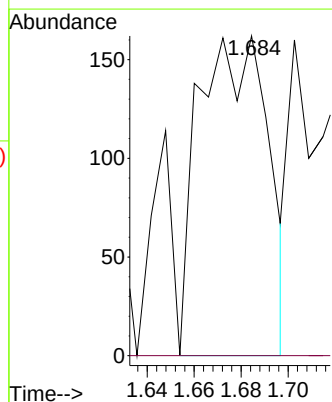
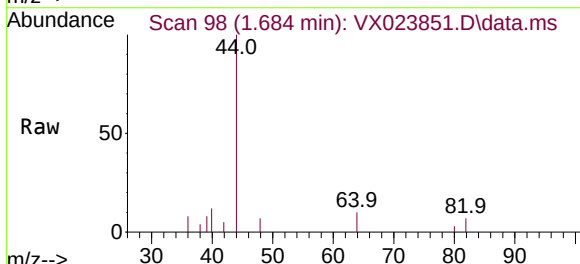
Instrument :
MSVOA_X
ClientSampleId :
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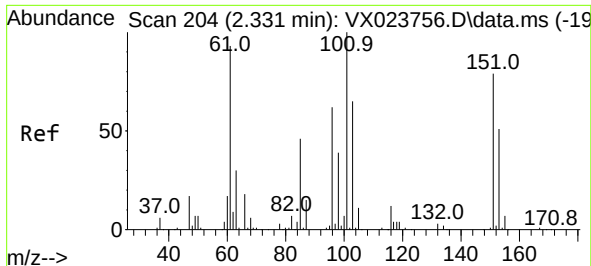
Tgt Ion: 94 Resp: 583
Ion Ratio Lower Upper
94 100
96 90.8 76.4 114.6



#6
Chloroethane
Concen: 2.464 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.005 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 64 Resp: 333
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

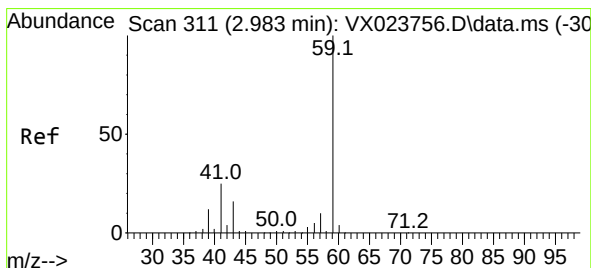
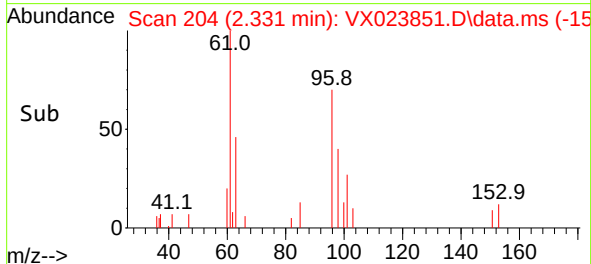
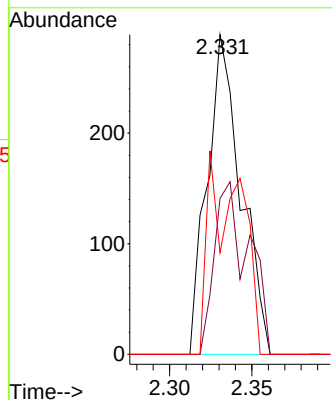
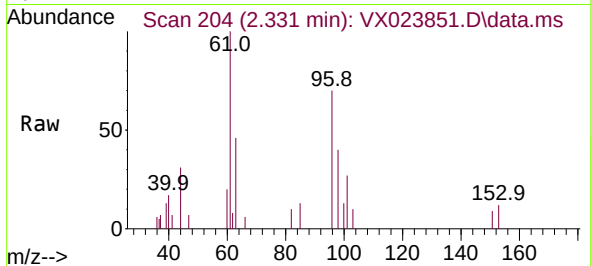




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.301 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

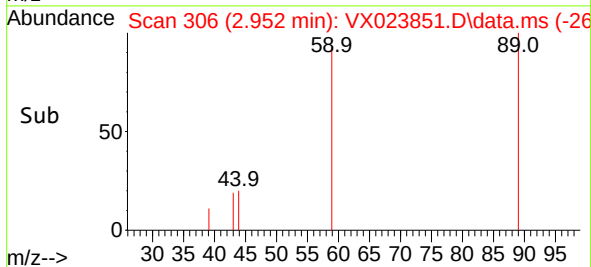
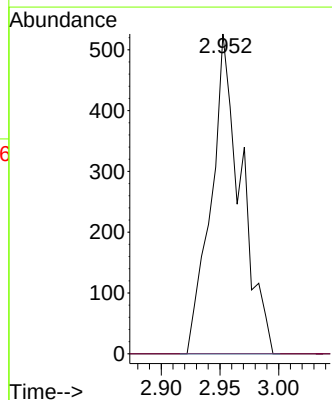
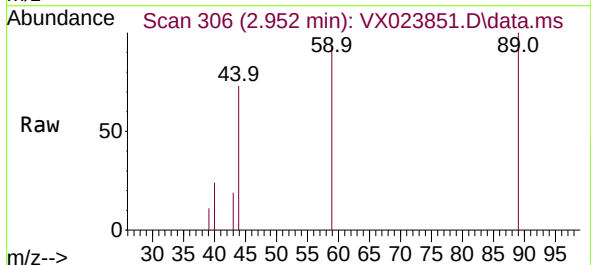
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

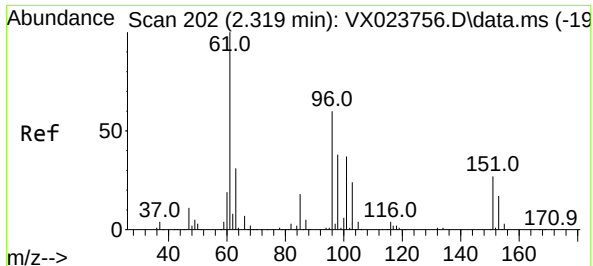
Tgt Ion:101 Resp: 412
Ion Ratio Lower Upper
101 100
85 54.4 34.9 52.3#
151 61.7 61.4 92.2



#11
Tert butyl alcohol
Concen: 2.430 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 59 Resp: 936
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.060 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX023851.D

Acq: 19 Aug 2021 20:32

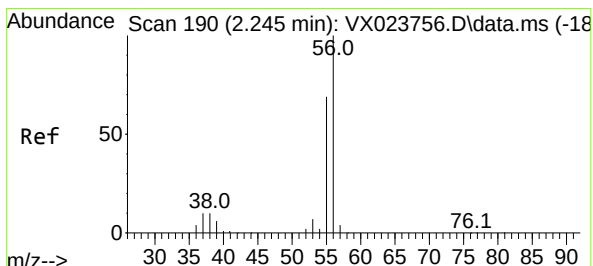
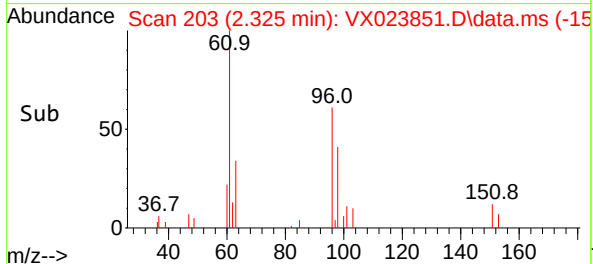
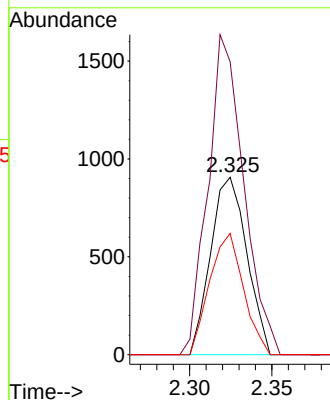
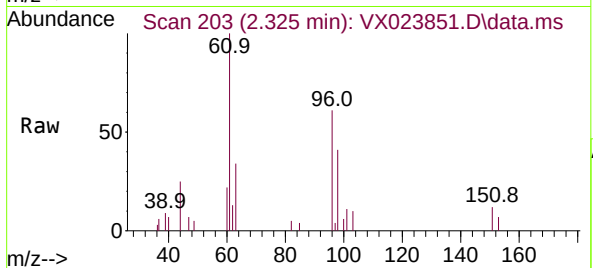
Tgt Ion: 96 Resp: 1388

Ion Ratio Lower Upper

96 100

61 165.0 124.6 187.0

98 68.4 50.6 76.0



#13

Acrolein

Concen: 0.755 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.006 min

Lab File: VX023851.D

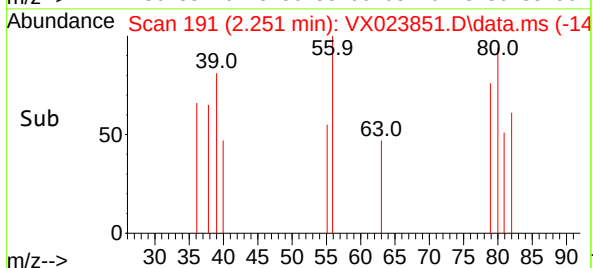
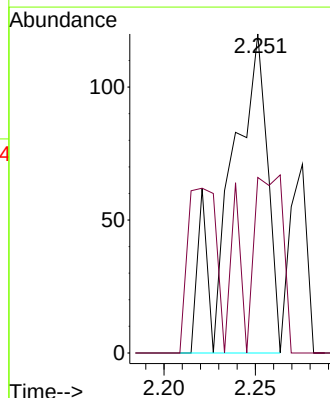
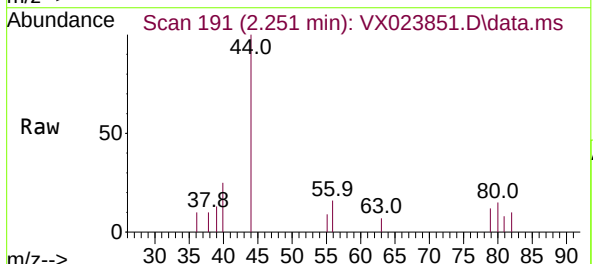
Acq: 19 Aug 2021 20:32

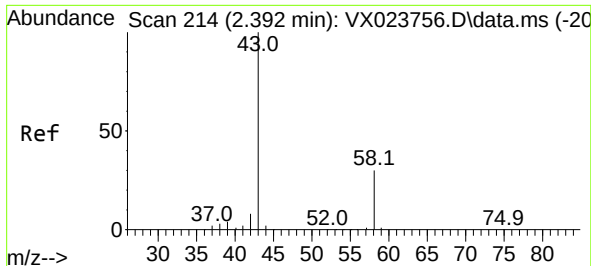
Tgt Ion: 56 Resp: 173

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

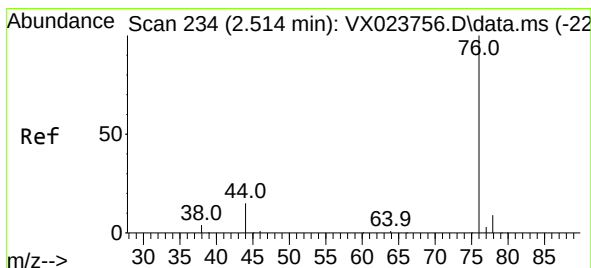
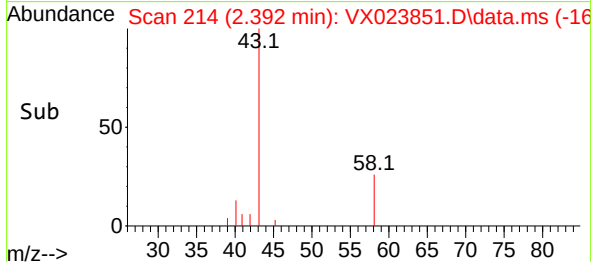
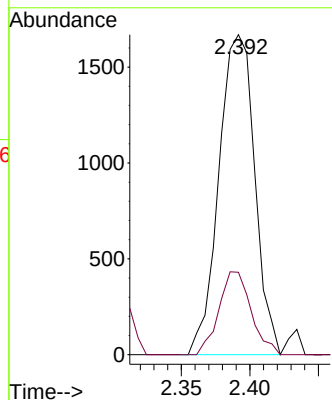
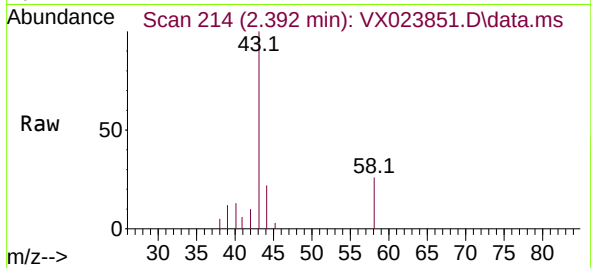




#16
Acetone
Concen: 3.568 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

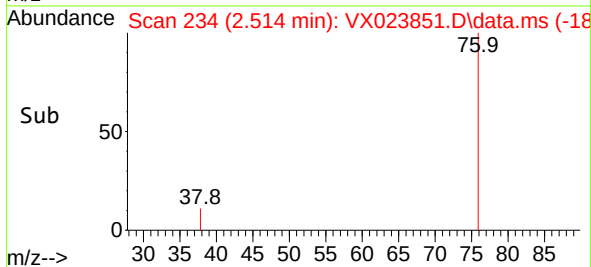
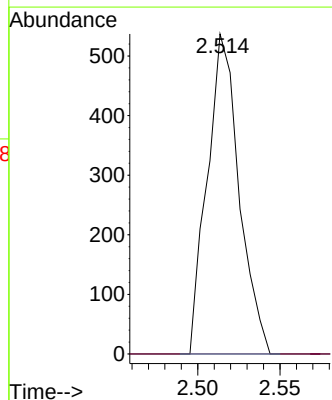
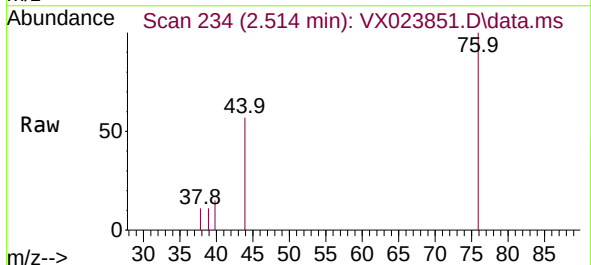
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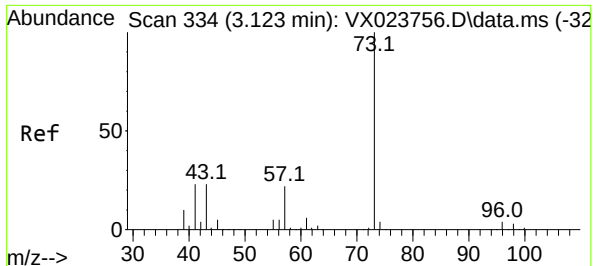
Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 76 Resp: 723
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



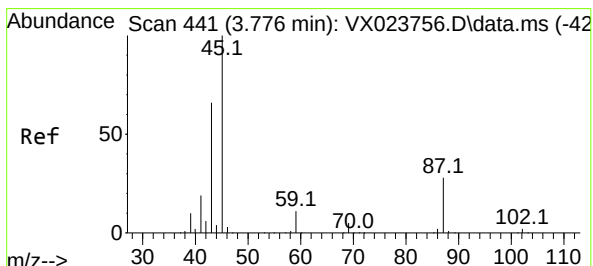
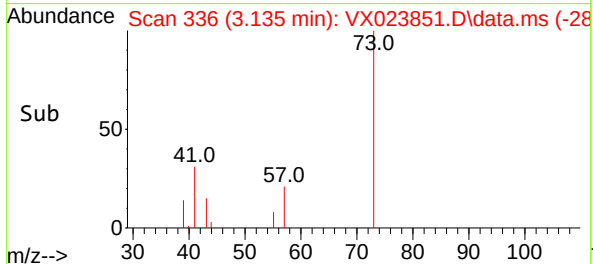
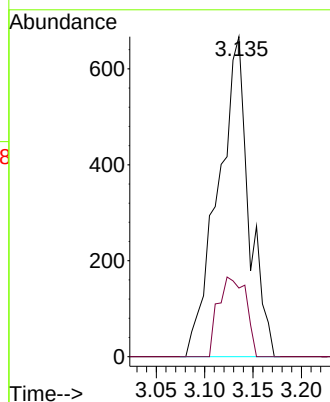
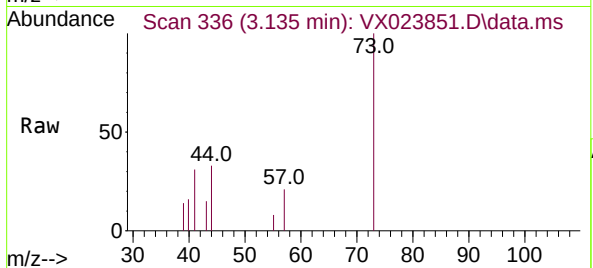


#19

Methyl tert-butyl Ether
Concen: 0.324 ug/l
RT: 3.135 min Scan# 336
Delta R.T. 0.012 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

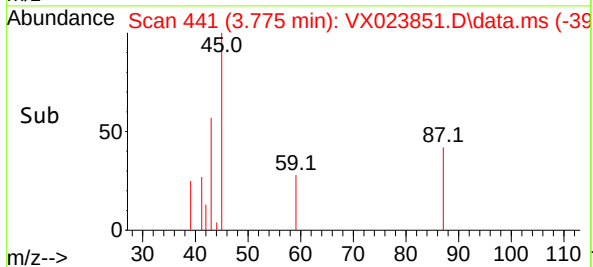
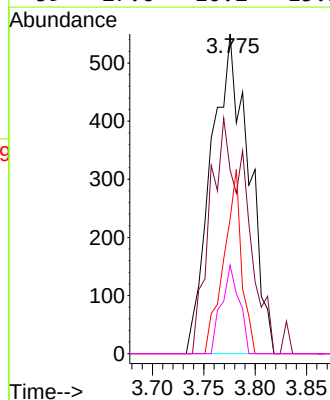
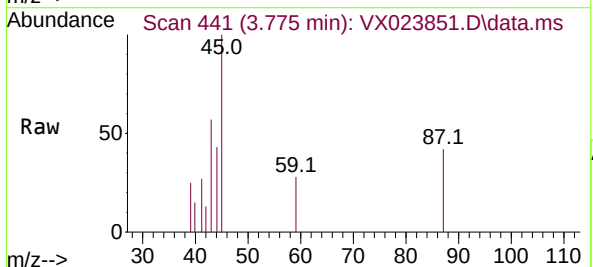
Tgt Ion: 73 Resp: 1479
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

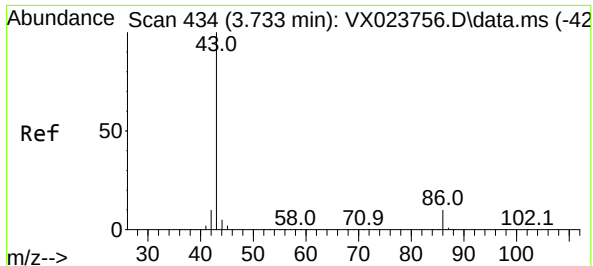


#22

Diisopropyl ether
Concen: 0.289 ug/l
RT: 3.775 min Scan# 441
Delta R.T. -0.001 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 45 Resp: 1391
Ion Ratio Lower Upper
45 100
43 57.5 58.0 87.0#
87 42.2 25.4 38.0#
59 27.6 10.2 15.2#

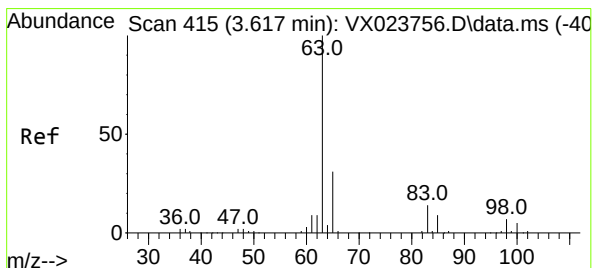
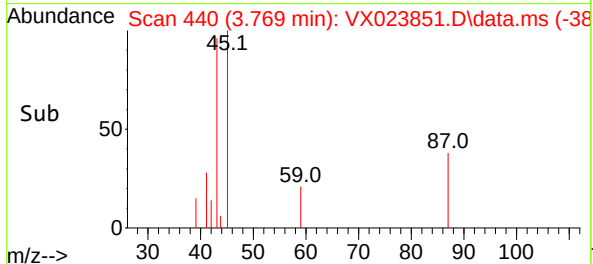
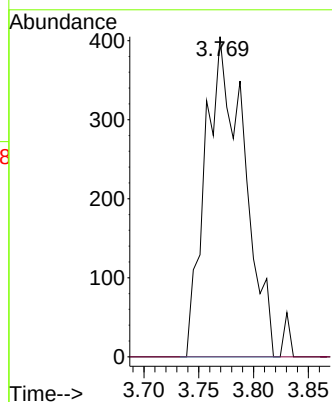
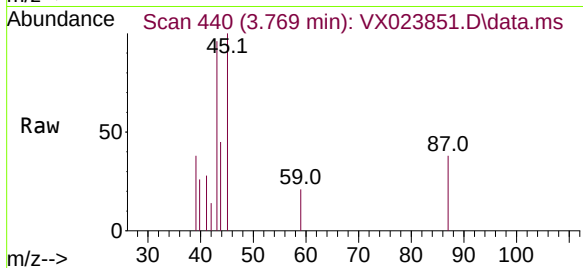




#23
 Vinyl Acetate
 Concen: 0.256 ug/l
 RT: 3.769 min Scan# 440
 Delta R.T. 0.036 min
 Lab File: VX023851.D
 Acq: 19 Aug 2021 20:32

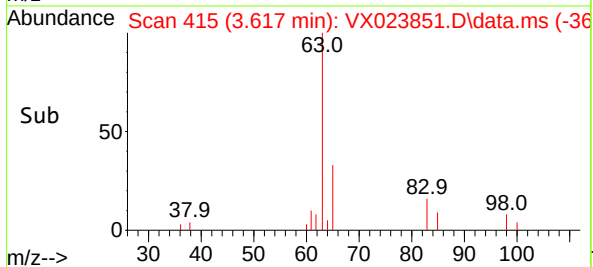
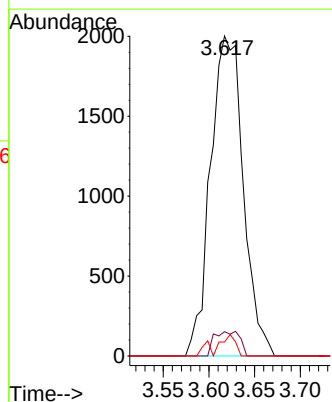
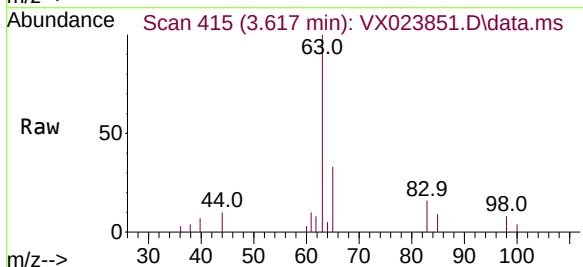
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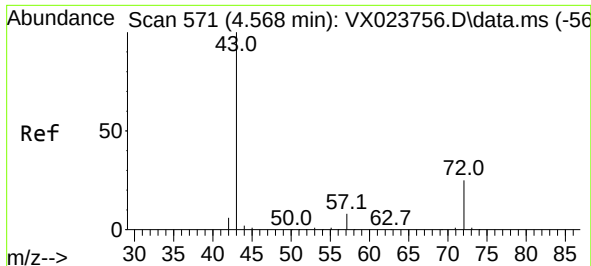
Tgt Ion: 43 Resp: 994
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#24
 1,1-Dichloroethane
 Concen: 1.863 ug/l
 RT: 3.617 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: VX023851.D
 Acq: 19 Aug 2021 20:32

Tgt Ion: 63 Resp: 4986
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.8 11.2
 100 4.3 2.5 7.5

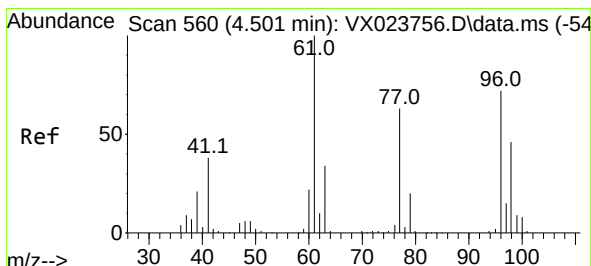
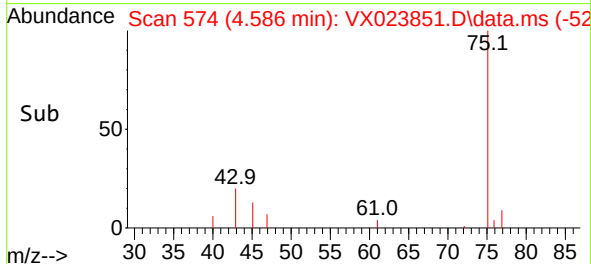
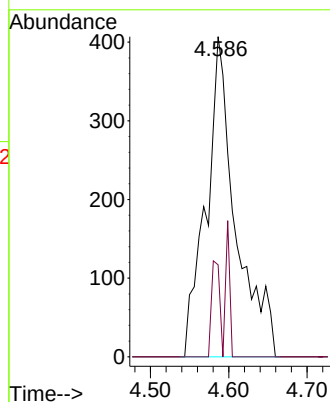
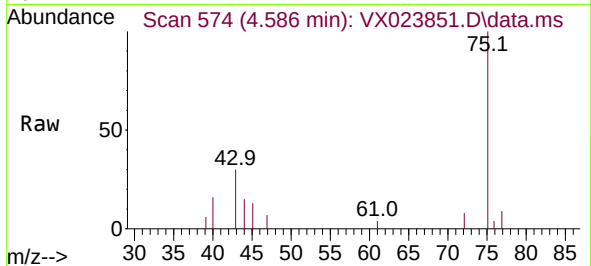




#25
2-Butanone
Concen: 0.826 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

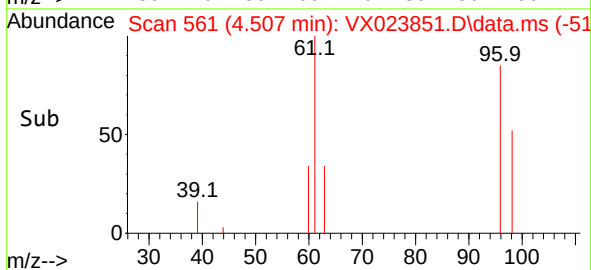
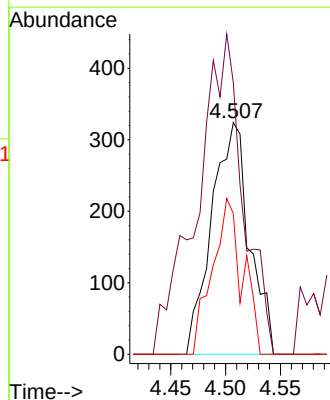
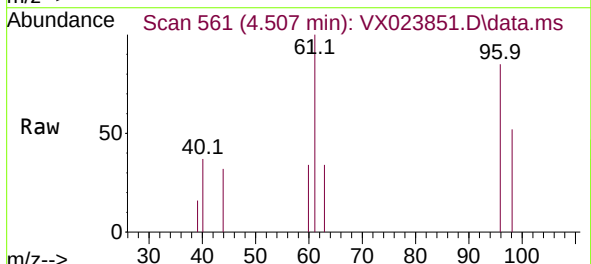
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

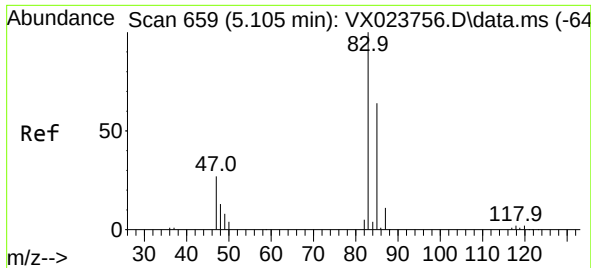
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 0.467 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 96 Resp: 778
Ion Ratio Lower Upper
96 100
61 168.9 0.0 285.6
98 53.6 0.0 129.6

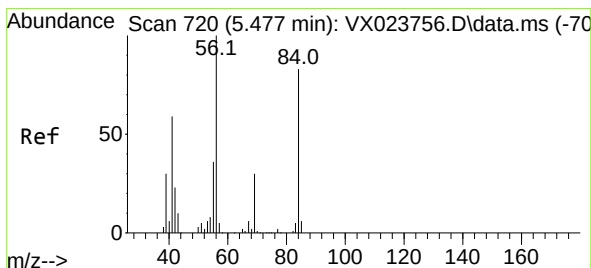
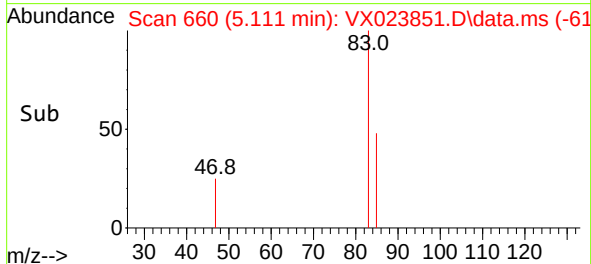
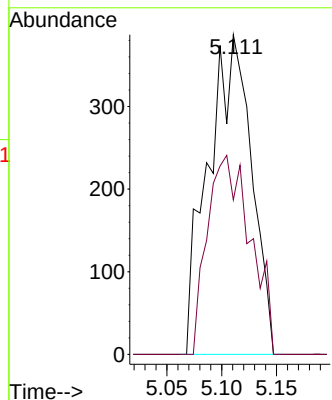
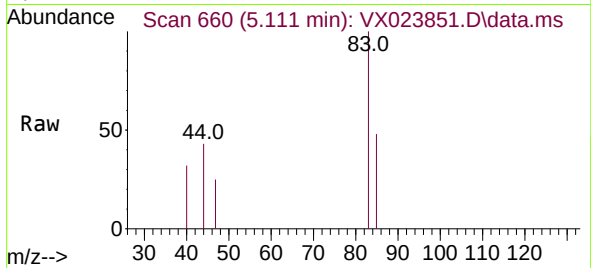




#30
Chloroform
Concen: 0.376 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

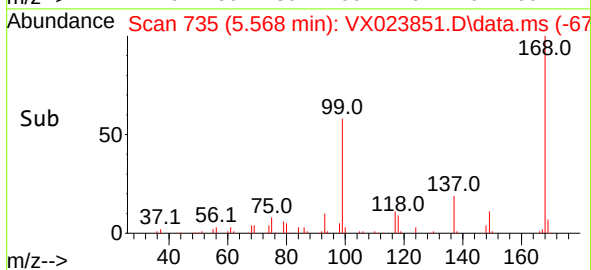
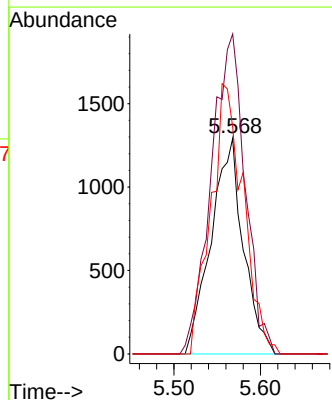
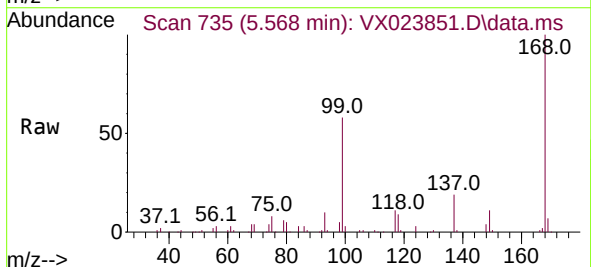
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

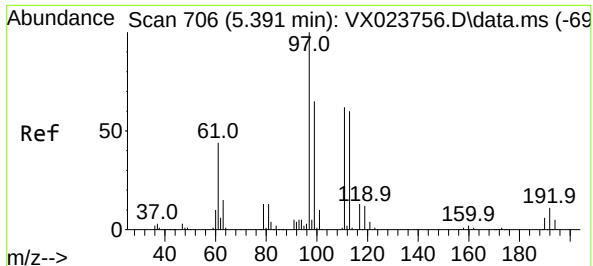
Tgt Ion: 83 Resp: 1065
Ion Ratio Lower Upper
83 100
85 48.3 52.0 78.0#



#31
Cyclohexane
Concen: 1.364 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 56 Resp: 3339
Ion Ratio Lower Upper
56 100
69 148.5 25.3 37.9#
84 105.3 71.4 107.0





#32

1,1,1-Trichloroethane

Concen: 1.184 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX023851.D

Acq: 19 Aug 2021 20:32

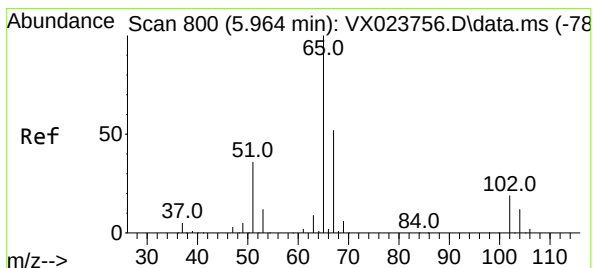
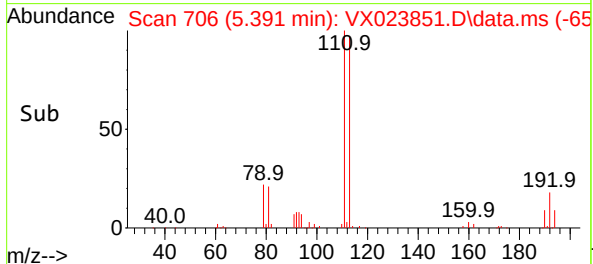
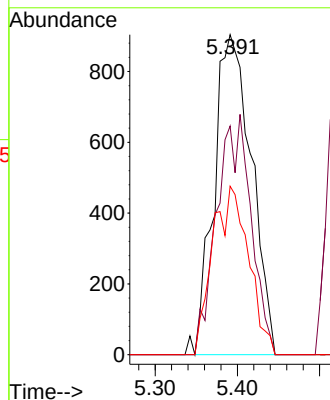
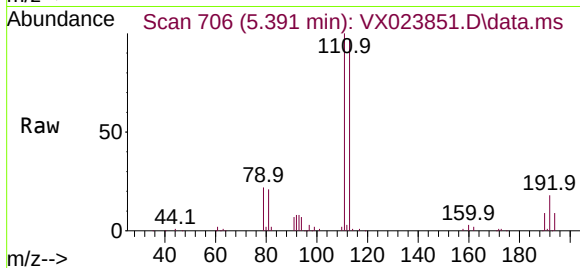
Tgt Ion: 97 Resp: 2872

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

61 50.5 34.2 51.4



#33

1,2-Dichloroethane-d4

Concen: 52.387 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX023851.D

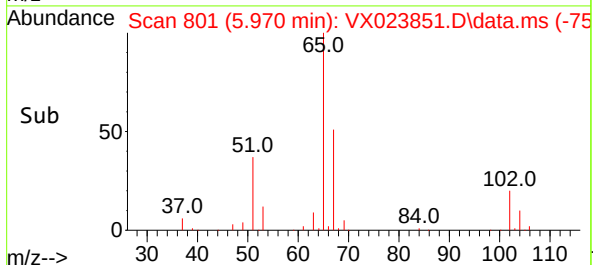
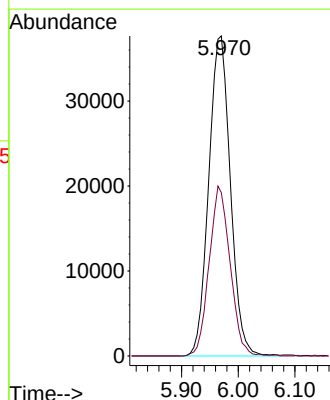
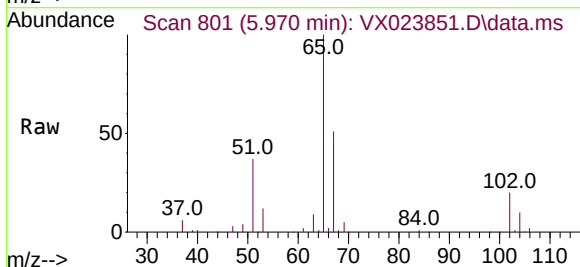
Acq: 19 Aug 2021 20:32

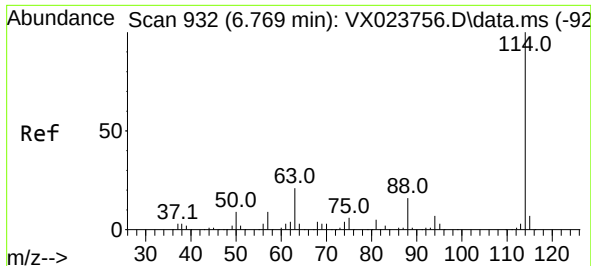
Tgt Ion: 65 Resp: 99799

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.4

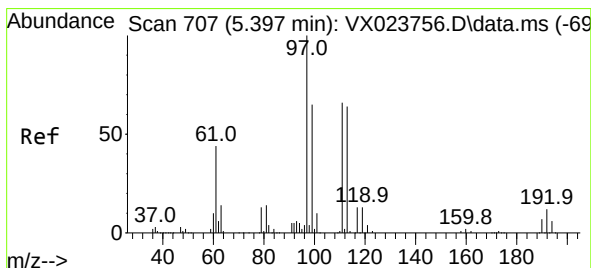
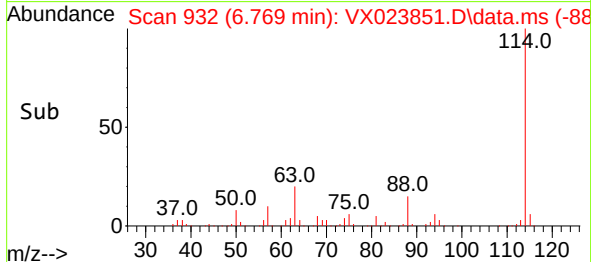
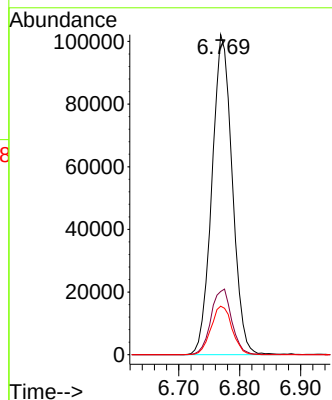
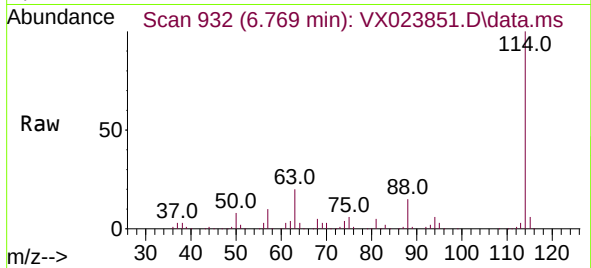




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

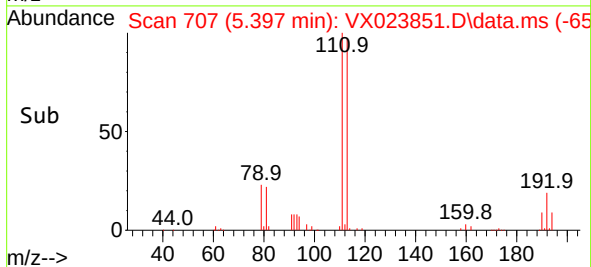
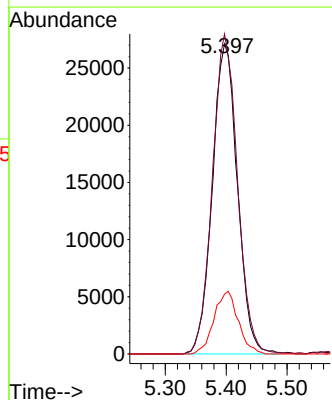
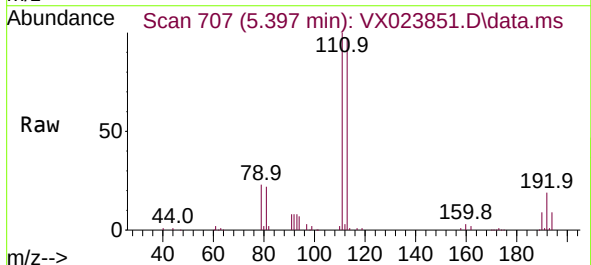
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

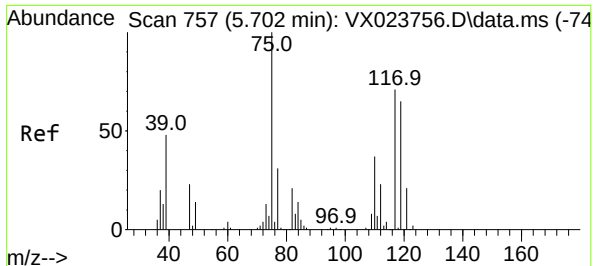
Tgt Ion:114 Resp: 236408
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.574 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

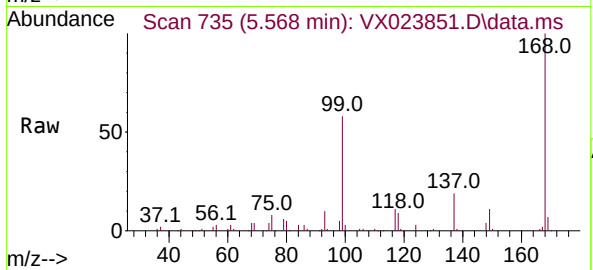
Tgt Ion:113 Resp: 77570
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.5 16.7 25.1



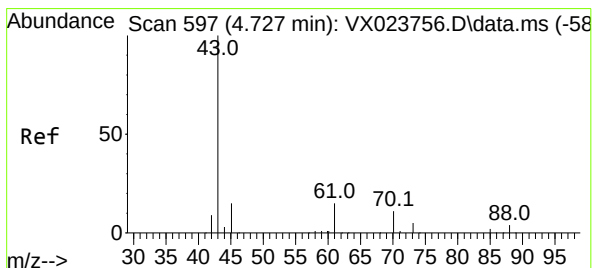
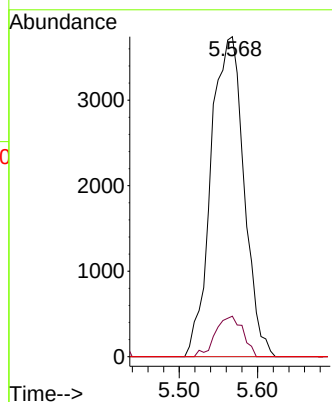
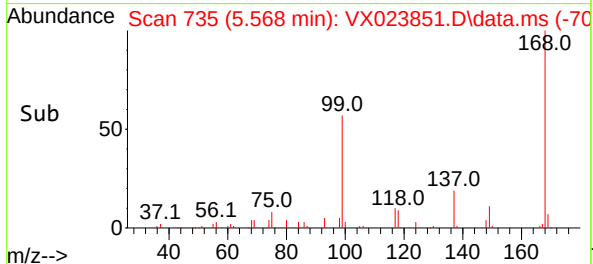


#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

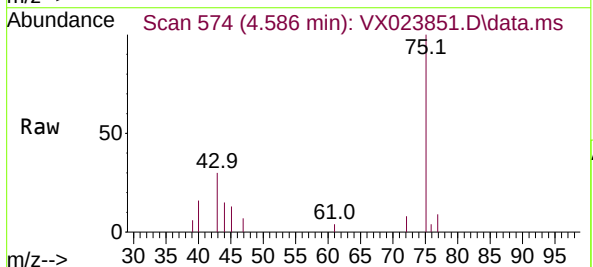
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262



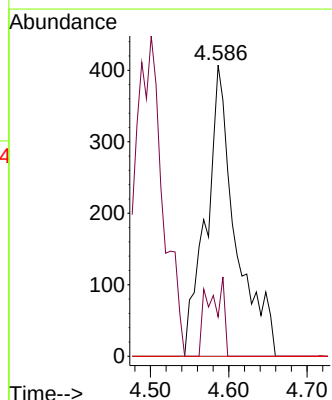
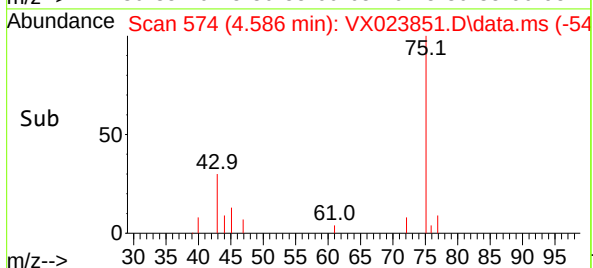
Tgt Ion: 75 Resp: 10956
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#

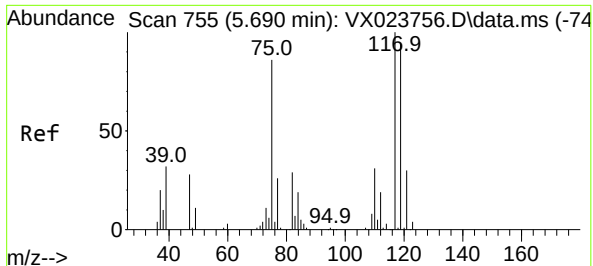


#37
Ethyl Acetate
Concen: 0.396 ug/l
RT: 4.586 min Scan# 574
Delta R.T. -0.141 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32



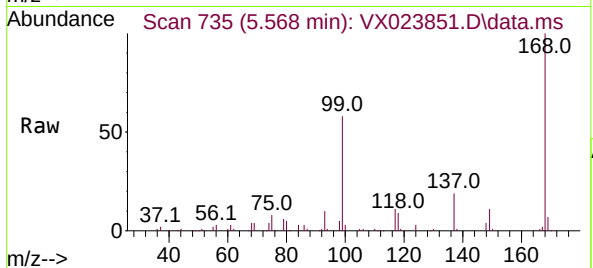
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
61 14.2 12.8 19.2
70 0.0 10.5 15.7#



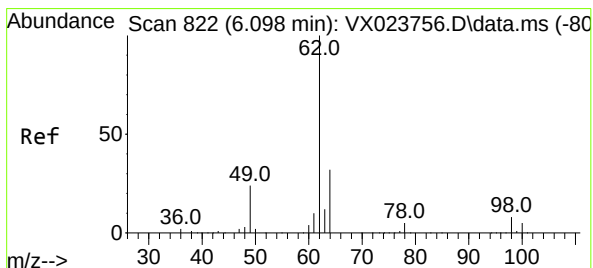
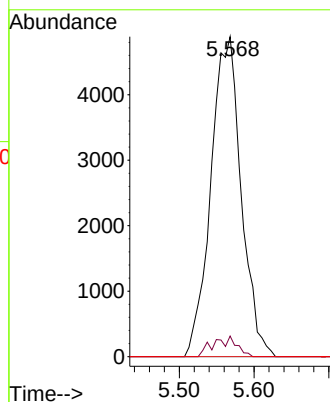
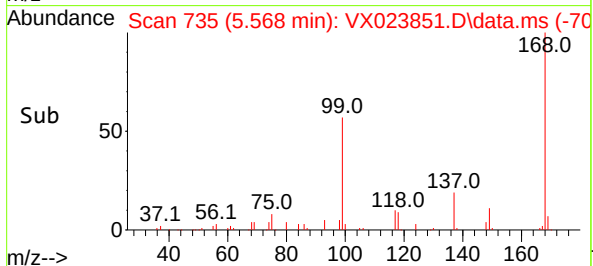


#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

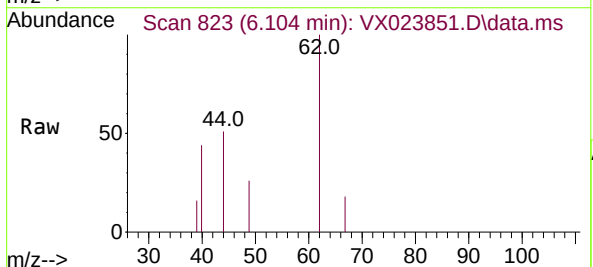
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262



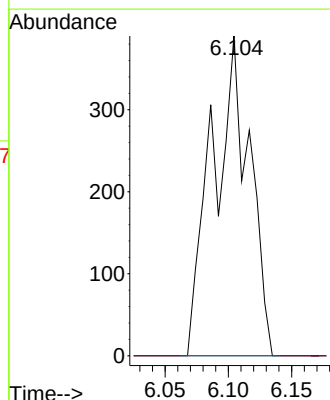
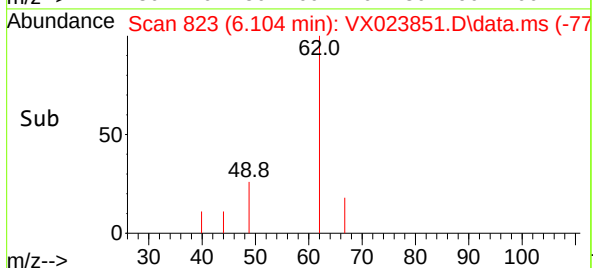
Tgt Ion:117 Resp: 13773
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#

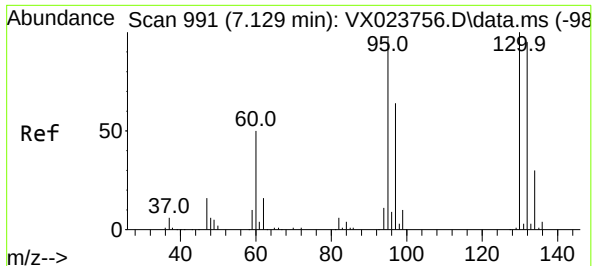


#42
1,2-Dichloroethane
Concen: 0.312 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.006 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32



Tgt Ion: 62 Resp: 794
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2





#44

Trichloroethene

Concen: 3.101 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023851.D

Acq: 19 Aug 2021 20:32

Tgt Ion:130 Resp: 5546

Ion Ratio Lower Upper

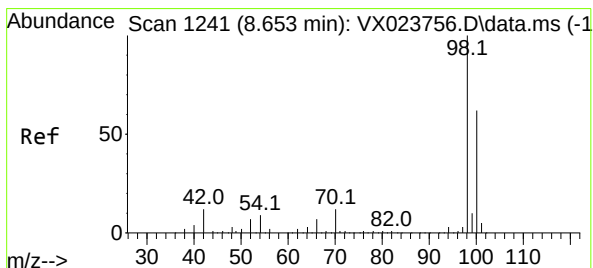
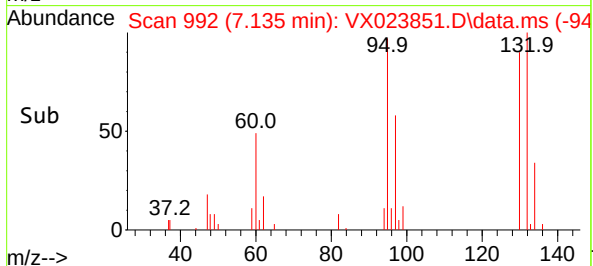
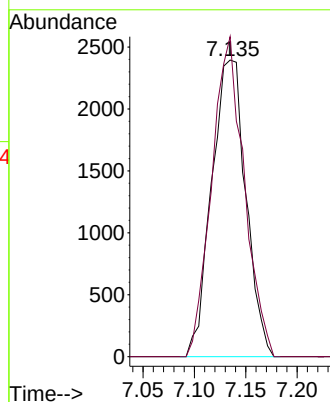
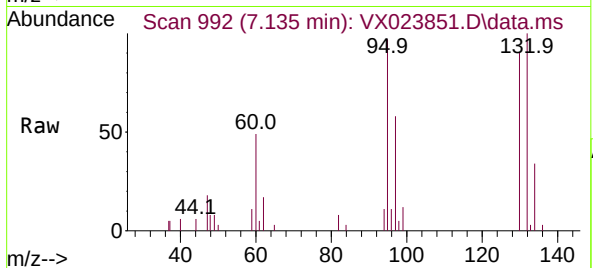
130	100		
95	107.8	0.0	198.0

Instrument :

MSVOA_X

ClientSampleId :

BB-TT-VPB-RW7-GW-260-262



#50

Toluene-d8

Concen: 48.327 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

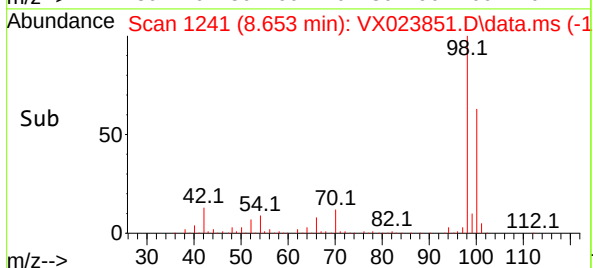
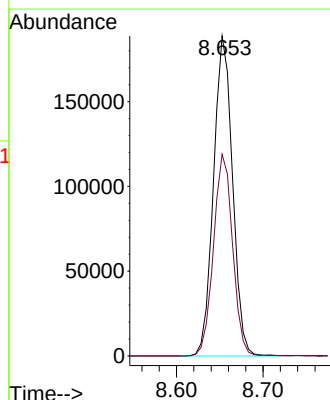
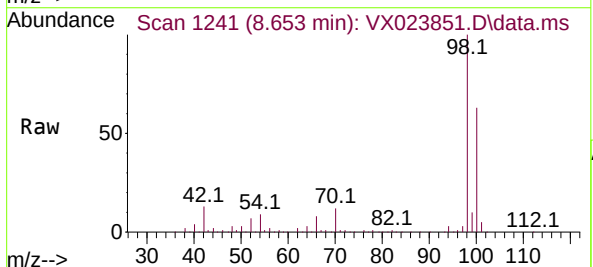
Lab File: VX023851.D

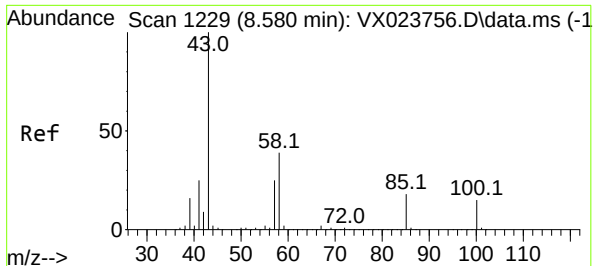
Acq: 19 Aug 2021 20:32

Tgt Ion: 98 Resp: 287807

Ion Ratio Lower Upper

98	100		
100	63.3	51.9	77.9

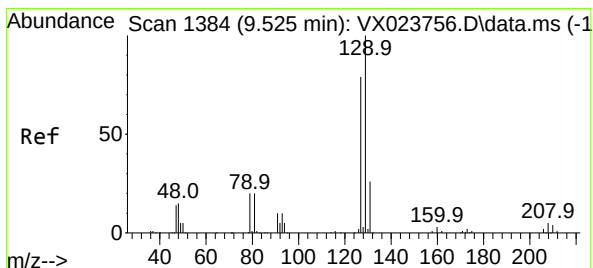
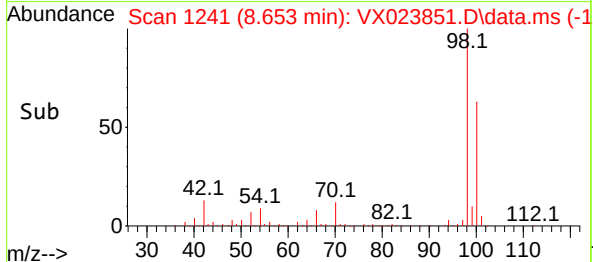
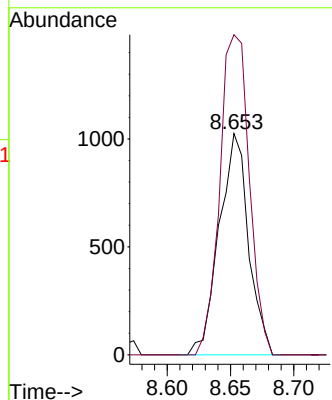
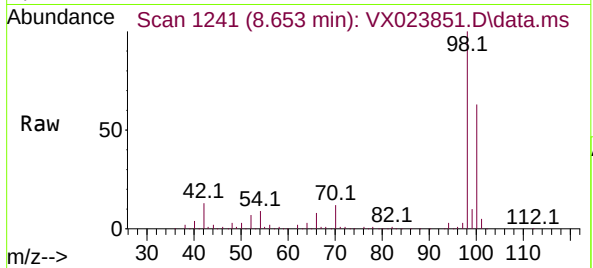




#51
4-Methyl-2-Pentanone
Concen: 0.607 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

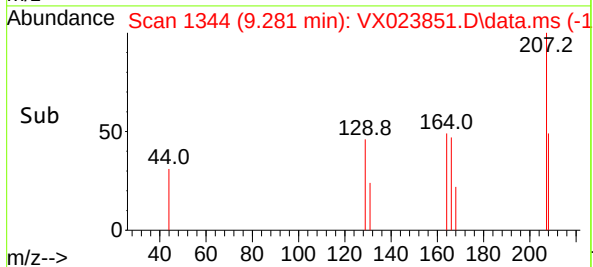
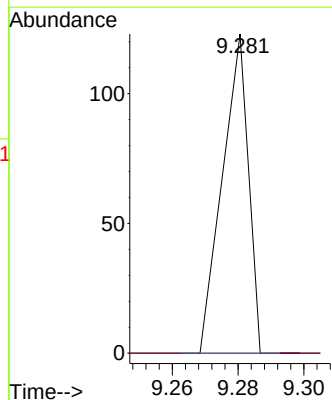
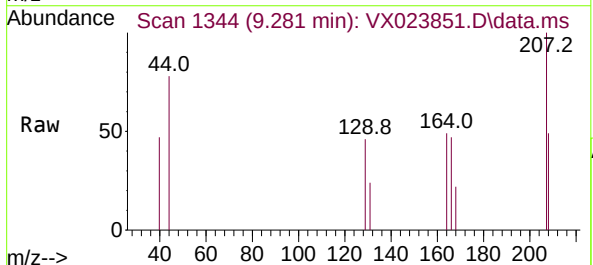
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

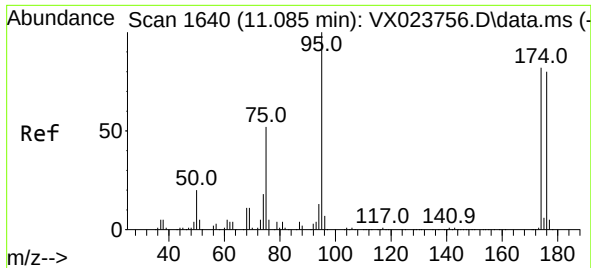
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
58 145.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.722 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 129 Resp: 67
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

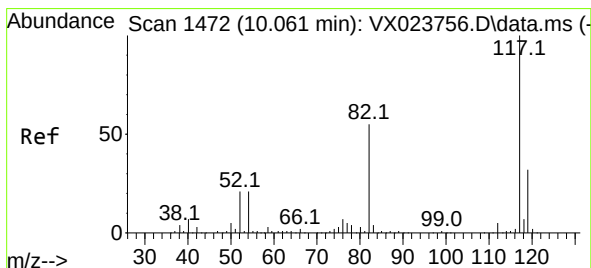
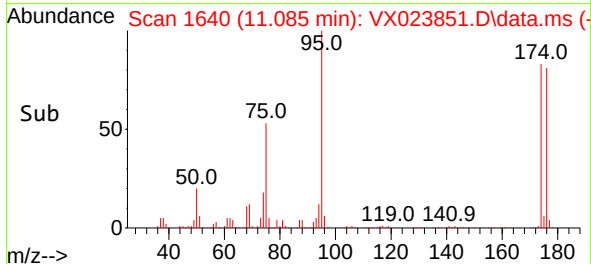
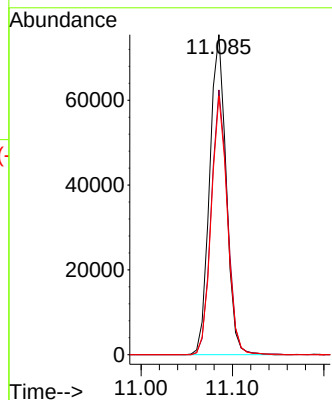
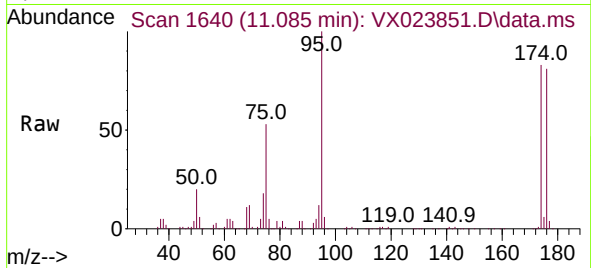




#62
4-Bromofluorobenzene
Concen: 43.067 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

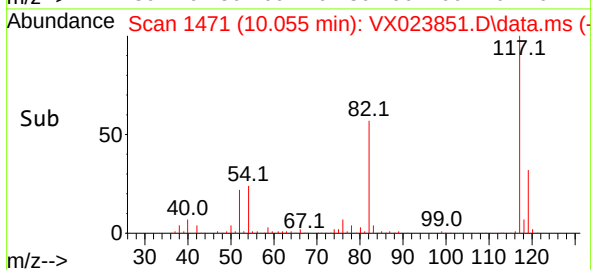
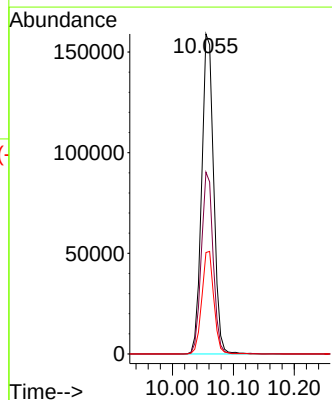
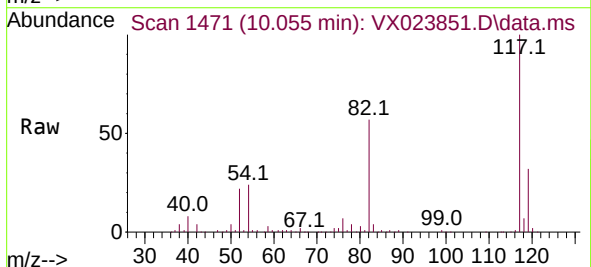
Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

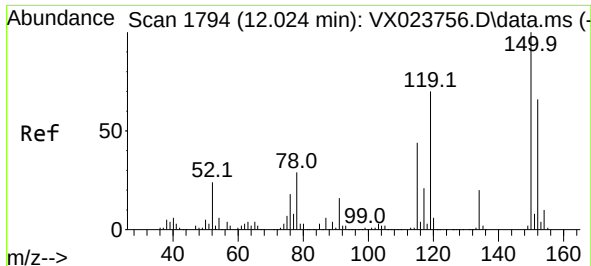
Tgt Ion:	95	Resp:	94417
Ion Ratio	Lower	Upper	
95	100		
174	81.5	0.0	154.6
176	78.7	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion:	117	Resp:	216536
Ion Ratio	Lower	Upper	
117	100		
82	56.8	47.4	71.2
119	31.7	26.6	39.8

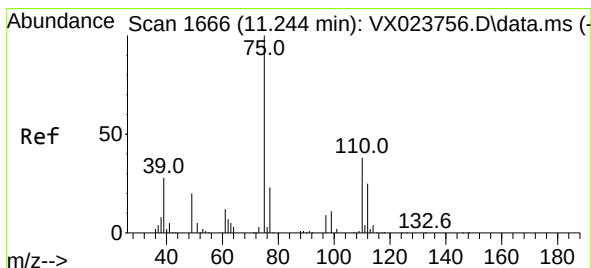
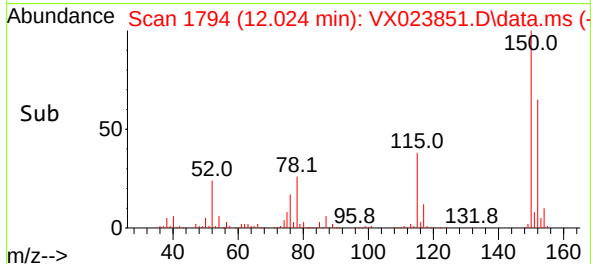
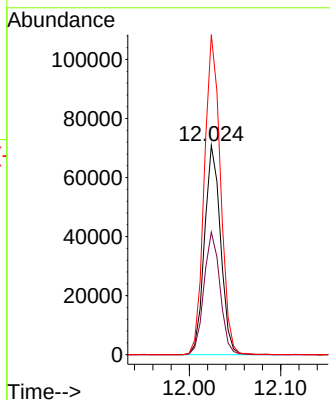
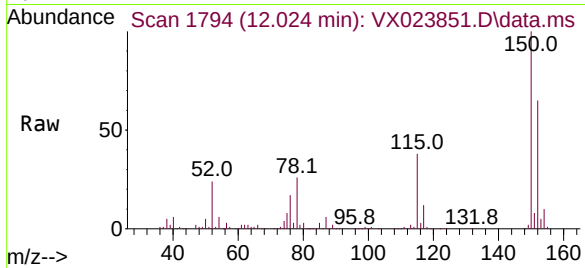




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023851.D
 Acq: 19 Aug 2021 20:32

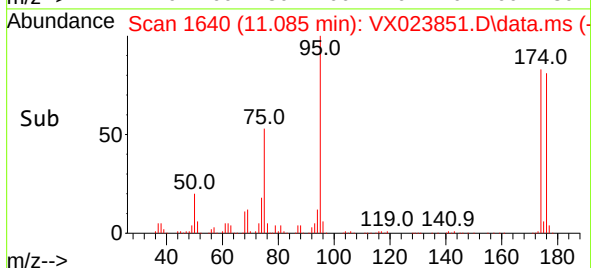
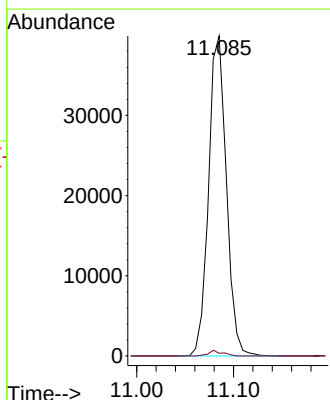
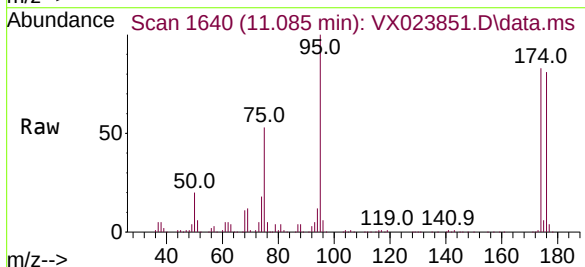
Instrument :
 MSVOA_X
 ClientSampleId :
 BB-TT-VPB-RW7-GW-260-262

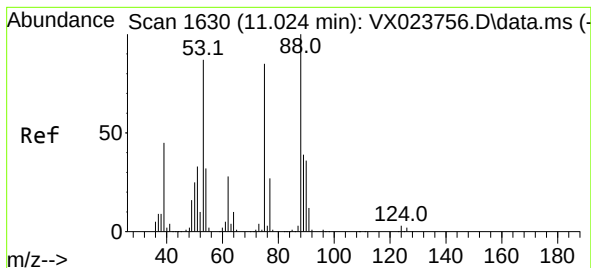
Tgt Ion:152 Resp: 86114
 Ion Ratio Lower Upper
 152 100
 115 58.7 41.1 123.3
 150 153.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.427 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023851.D
 Acq: 19 Aug 2021 20:32

Tgt Ion: 75 Resp: 51078
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#

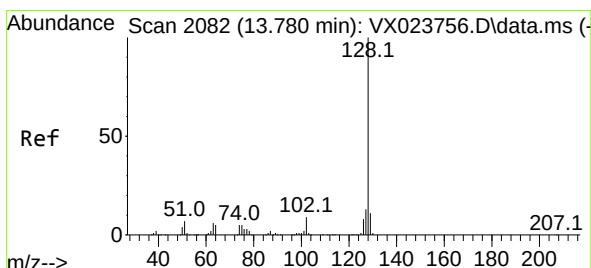
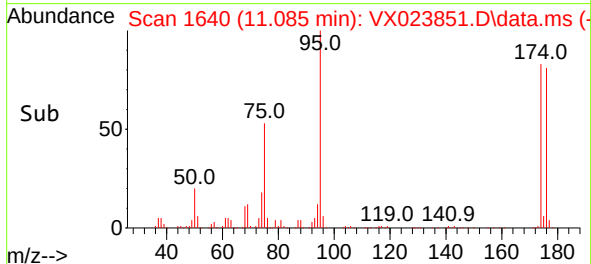
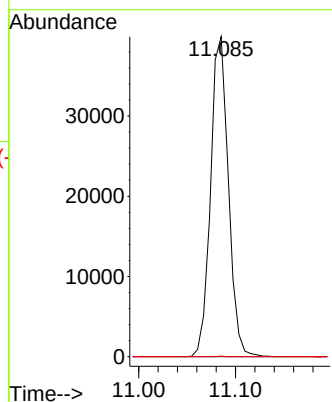
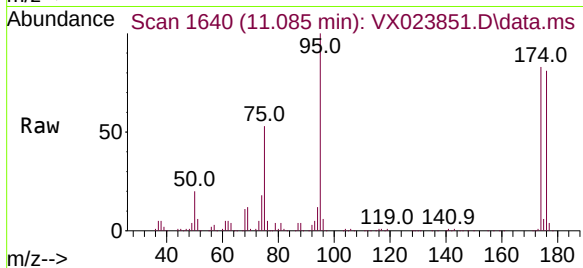




#81
trans-1,4-Dichloro-2-butene
Concen: 74.794 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Instrument :
MSVOA_X
ClientSampleId :
BB-TT-VPB-RW7-GW-260-262

Tgt Ion: 75 Resp: 51078
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.328 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023851.D
Acq: 19 Aug 2021 20:32

Tgt Ion: 128 Resp: 292
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 6.2 8.8 13.2#

