

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038901.D
 Acq On : 18 Nov 2023 02:02
 Operator : JC/MD
 Sample : 05404-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT150S1-20231109

Quant Time: Nov 18 05:05:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

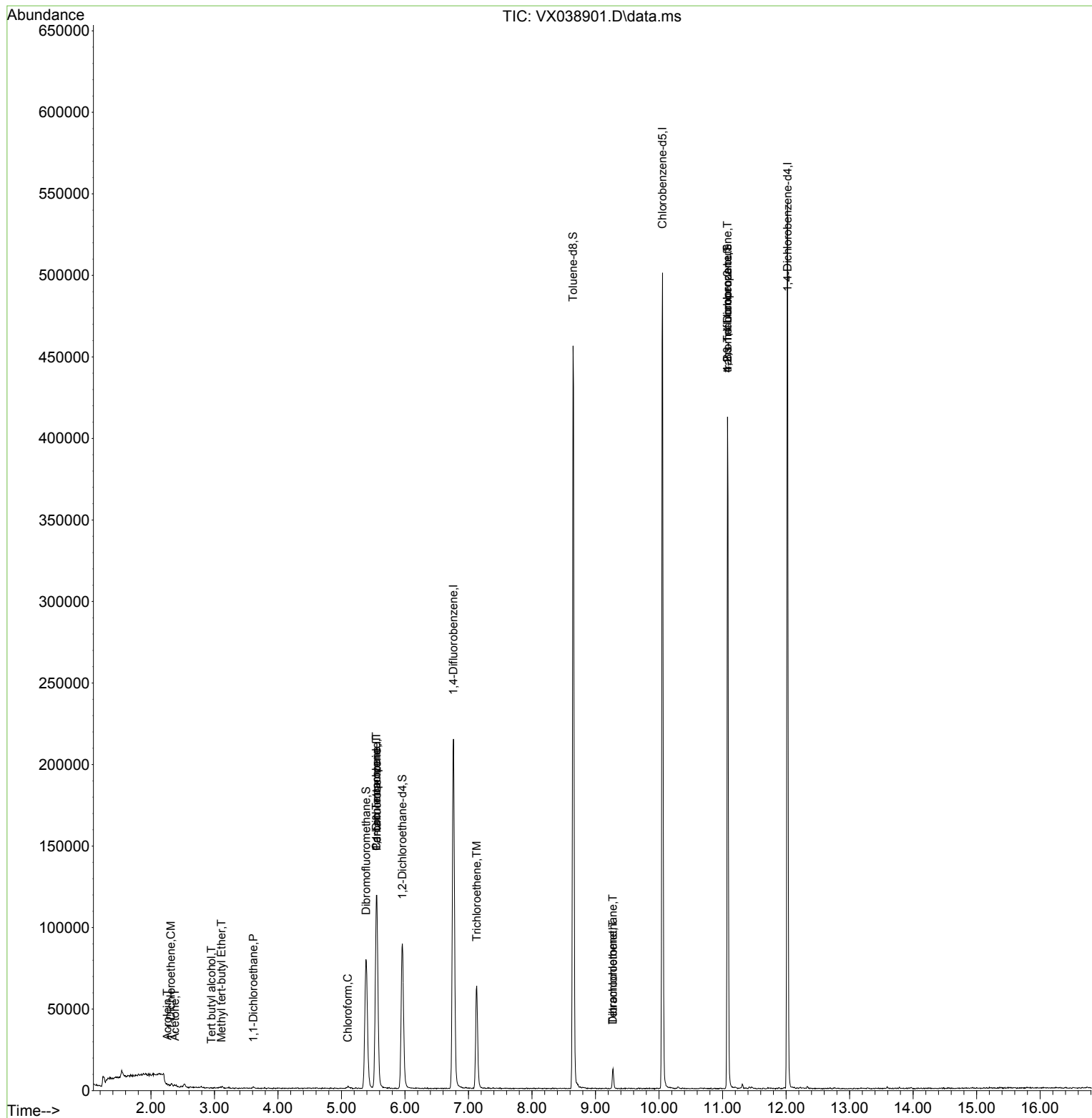
Internal Standards						
1) Pentafluorobenzene	5.556	168	109233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84646	48.091	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.180%		
35) Dibromofluoromethane	5.385	113	70942	44.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.120%		
50) Toluene-d8	8.647	98	277960	45.635	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.260%#		
62) 4-Bromofluorobenzene	11.079	95	116000	47.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	207	0.423	ug/l #	87
12) 1,1-Dichloroethene	2.313	96	305	0.224	ug/l #	65
13) Acrolein	2.258	56	77	0.297	ug/l	97
16) Acetone	2.380	43	1102	1.176	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	1100	0.230	ug/l #	80
24) 1,1-Dichloroethane	3.611	63	926	0.331	ug/l #	83
30) Chloroform	5.099	83	1691	0.619	ug/l	97
36) 1,1-Dichloropropene	5.550	75	9753	4.275	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12261	5.814	ug/l #	14
44) Trichloroethene	7.129	130	23864	14.528	ug/l	97
60) Dibromochloromethane	9.275	129	1893	1.065	ug/l #	11
64) Tetrachloroethene	9.275	164	1951	1.411	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	59944	21.780	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59944	48.310	ug/l #	5

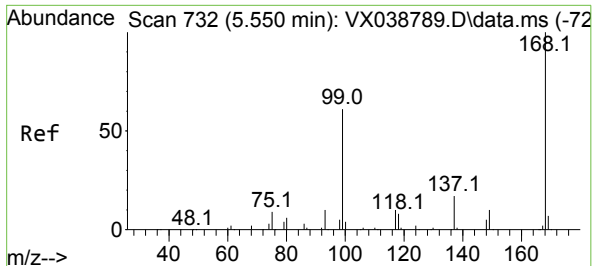
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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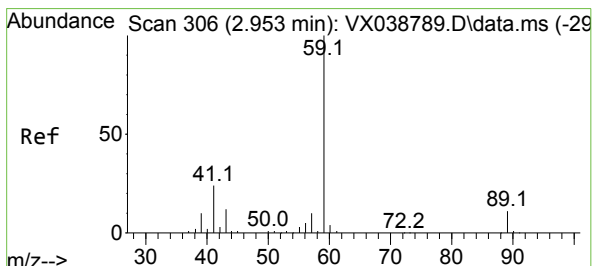
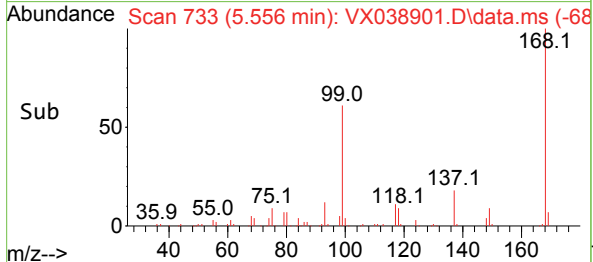
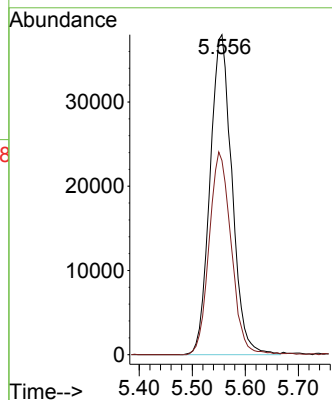
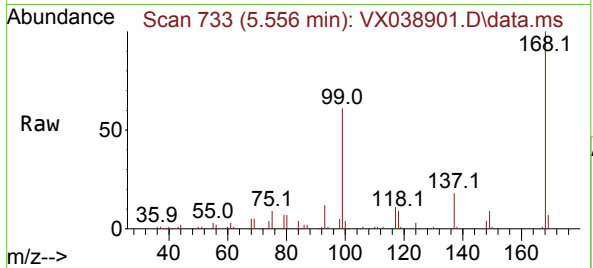




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

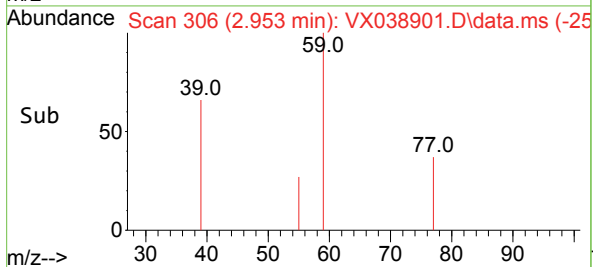
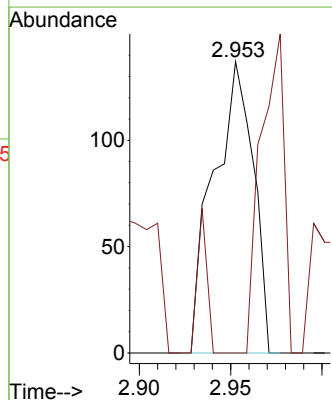
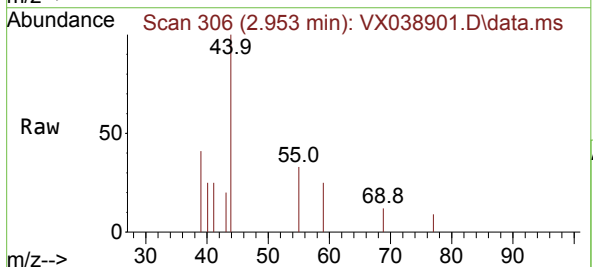
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20231109

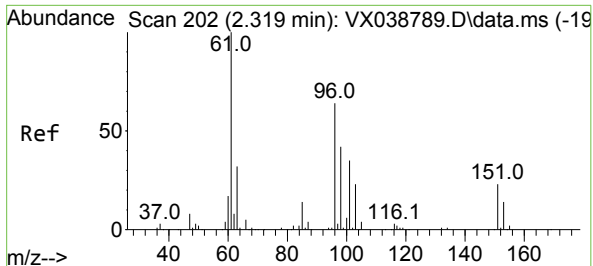
Tgt Ion:168 Resp: 109233
Ion Ratio Lower Upper
168 100
99 60.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.423 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 12.1 6.0 9.0#

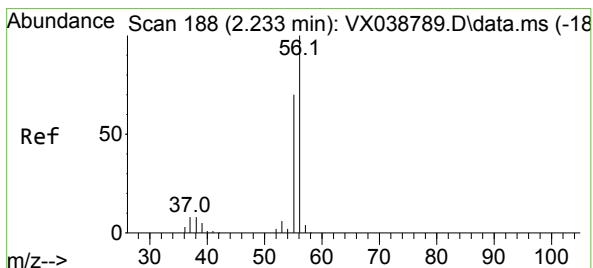
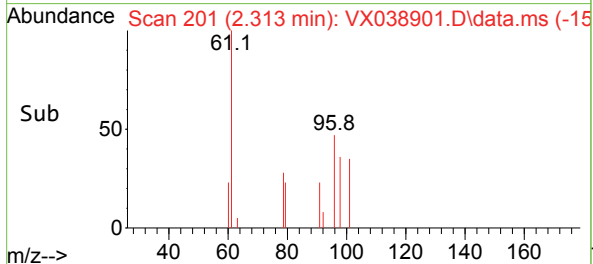
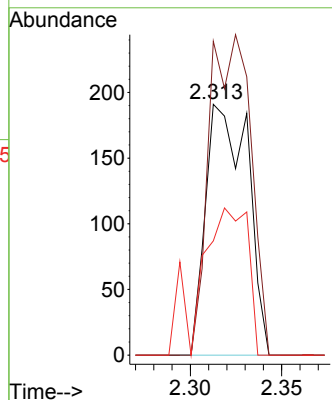
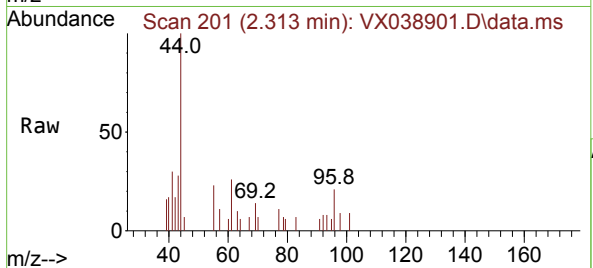




#12
1,1-Dichloroethene
Concen: 0.224 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

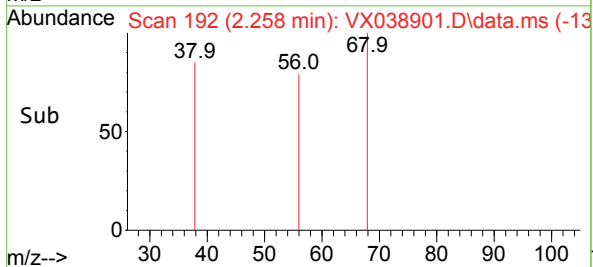
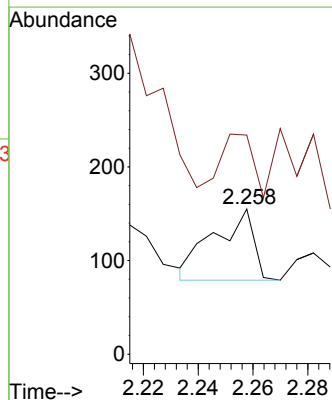
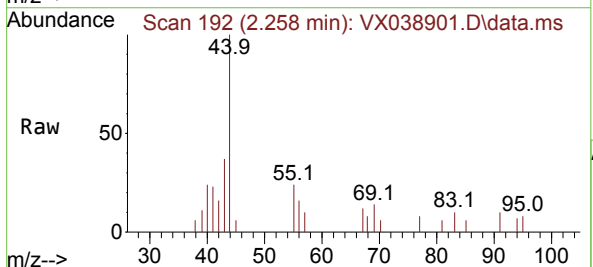
Instrument :
MSVOA_X
ClientSampleId :
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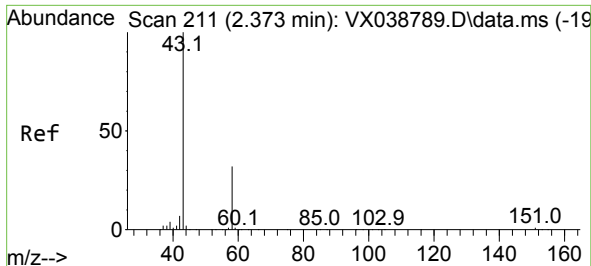
Tgt Ion: 96 Resp: 305
Ion Ratio Lower Upper
96 100
61 125.1 144.6 216.8#
98 45.5 50.4 75.6#



#13
Acrolein
Concen: 0.297 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.024 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 74.0 57.1 85.7

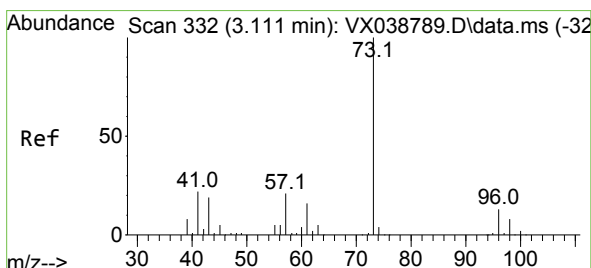
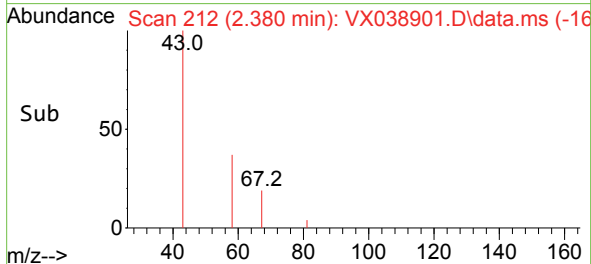
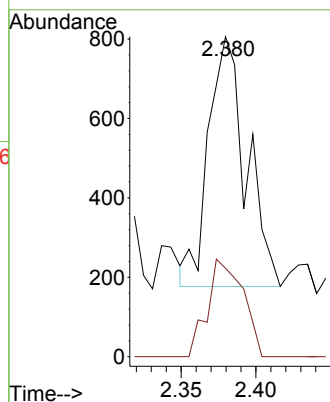
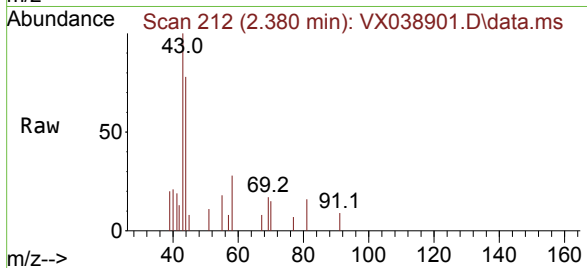




#16
Acetone
Concen: 1.176 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

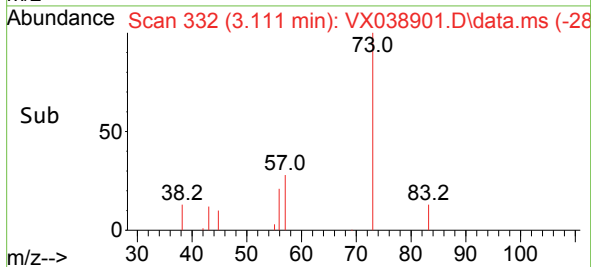
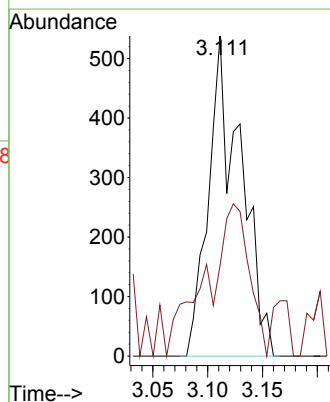
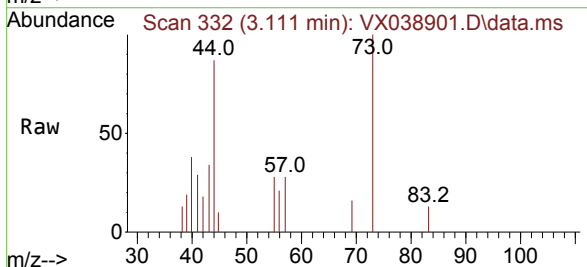
Instrument :
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ClientSampleId :
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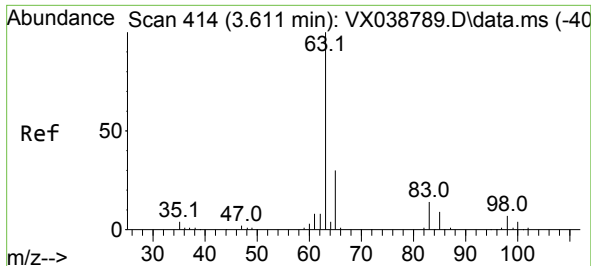
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
58 35.5 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.230 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion: 73 Resp: 1100
Ion Ratio Lower Upper
73 100
57 12.1 17.3 25.9#

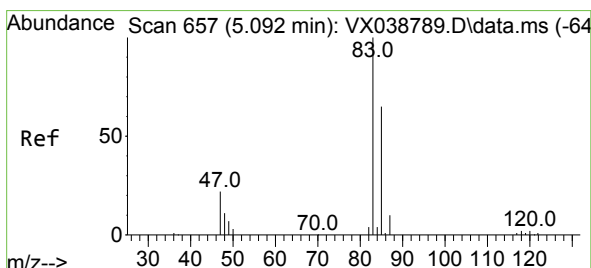
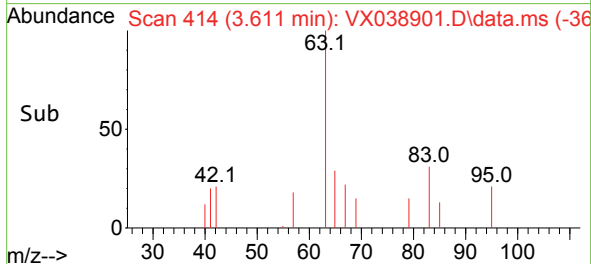
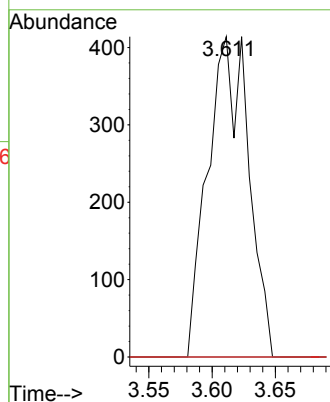
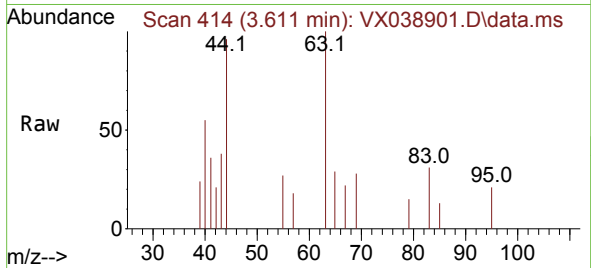




#24
1,1-Dichloroethane
Concen: 0.331 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

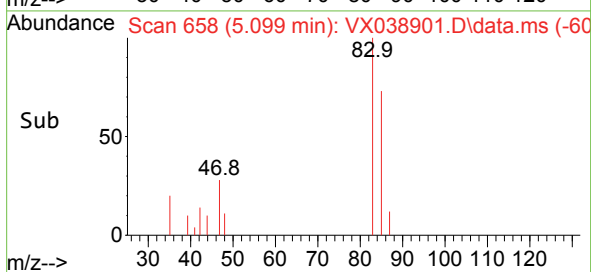
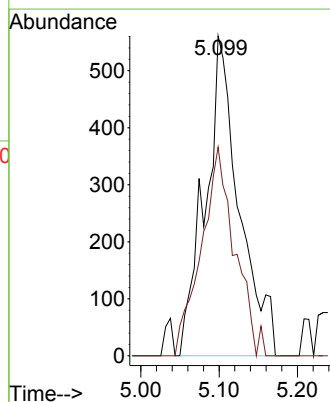
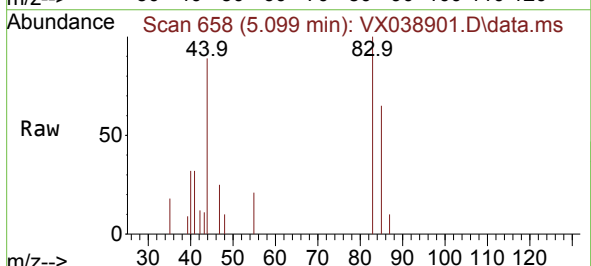
Instrument :
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ClientSampleId :
TT150S1-20231109

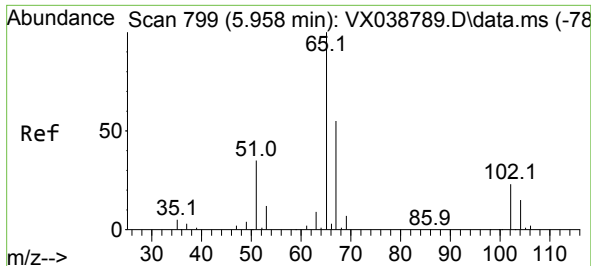
Tgt Ion: 63 Resp: 926
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#30
Chloroform
Concen: 0.619 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion: 83 Resp: 1691
Ion Ratio Lower Upper
83 100
85 65.2 50.3 75.5

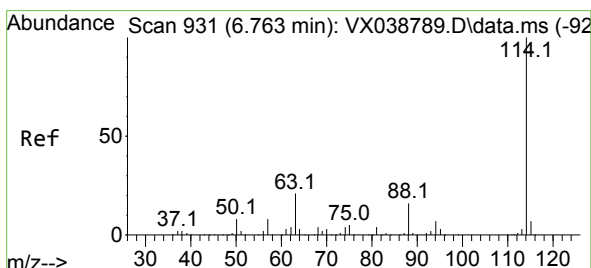
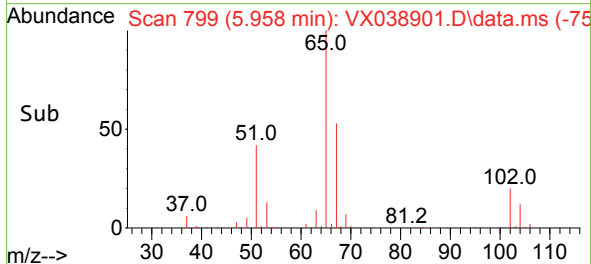
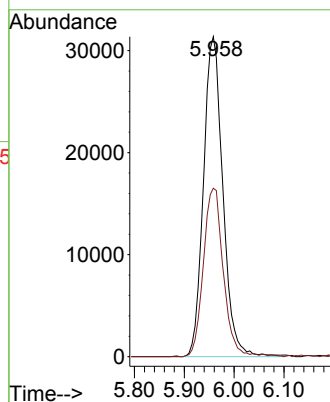
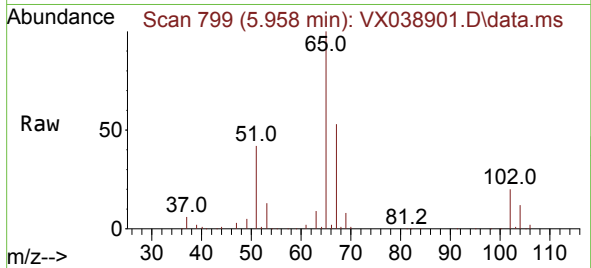




#33
1,2-Dichloroethane-d4
Concen: 48.091 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

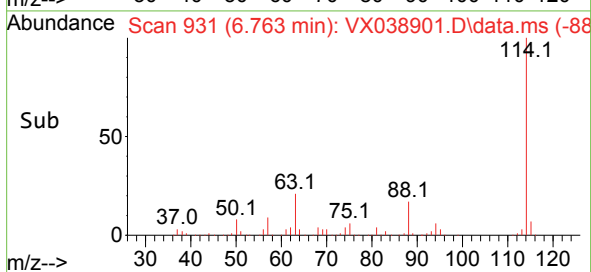
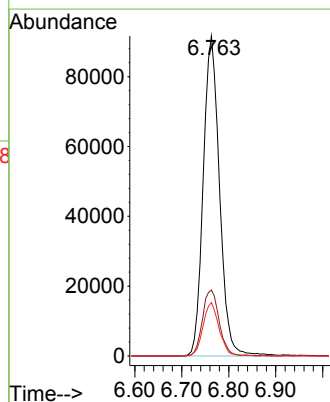
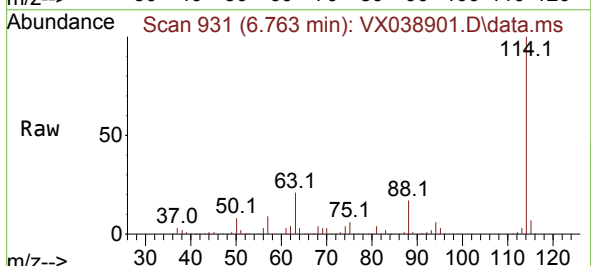
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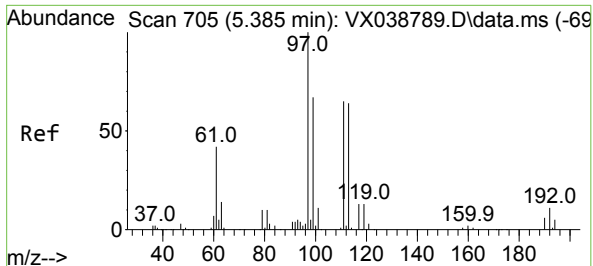
Tgt Ion: 65 Resp: 84646
Ion Ratio Lower Upper
65 100
67 53.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion:114 Resp: 220426
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.562 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038901.D

Acq: 18 Nov 2023 02:02

Instrument :

MSVOA_X

ClientSampleId :

TT150S1-20231109

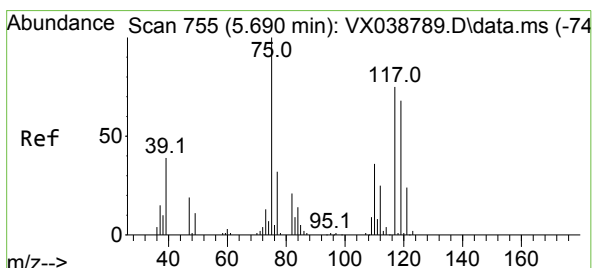
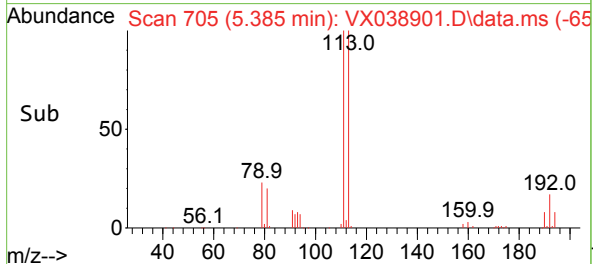
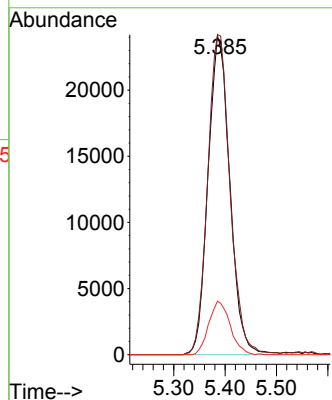
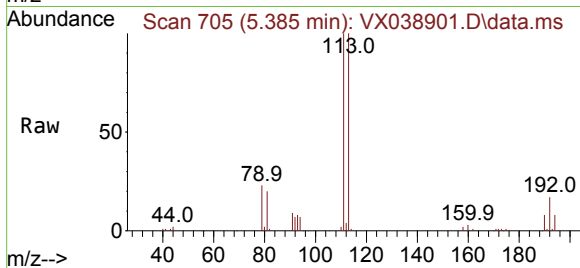
Tgt Ion:113 Resp: 70942

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 16.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.275 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX038901.D

Acq: 18 Nov 2023 02:02

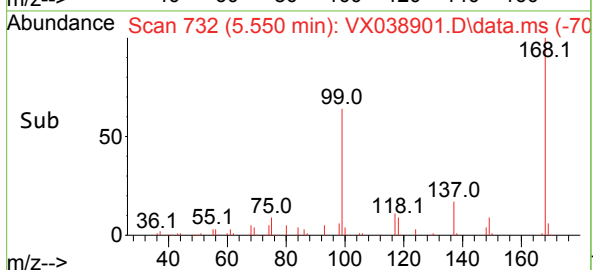
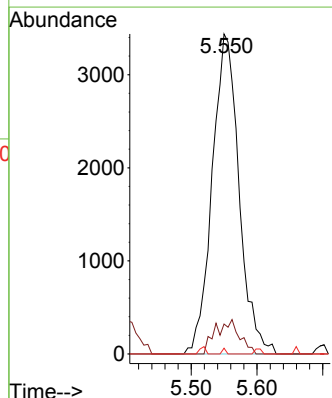
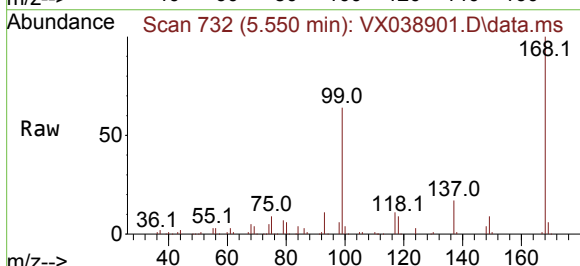
Tgt Ion: 75 Resp: 9753

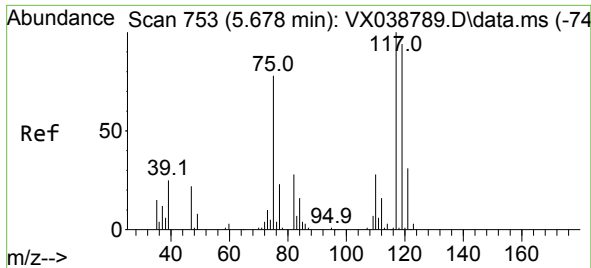
Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.2 24.7 37.1#

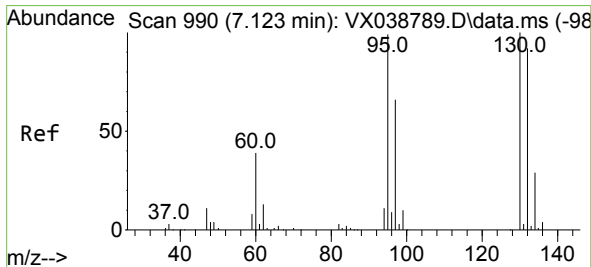
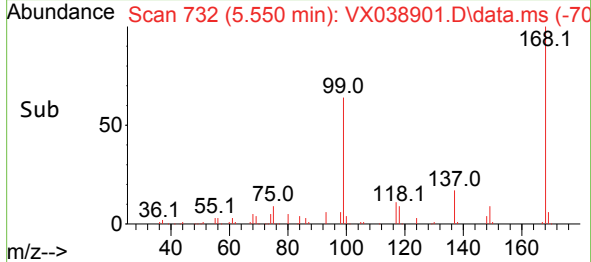
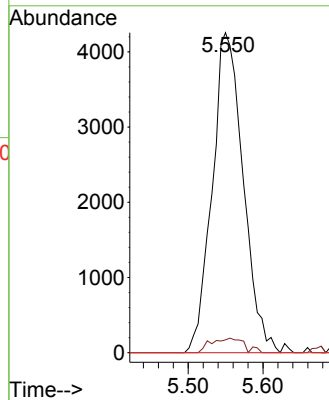
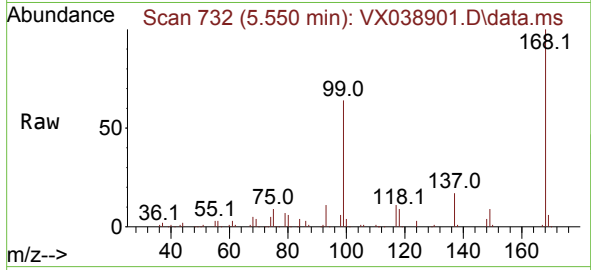




#38
Carbon Tetrachloride
Concen: 5.814 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

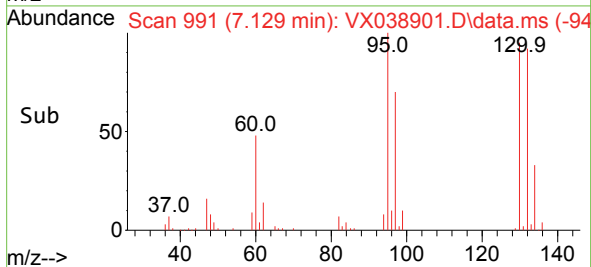
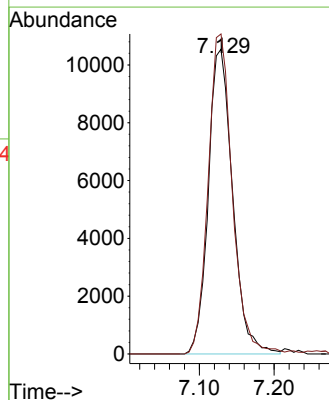
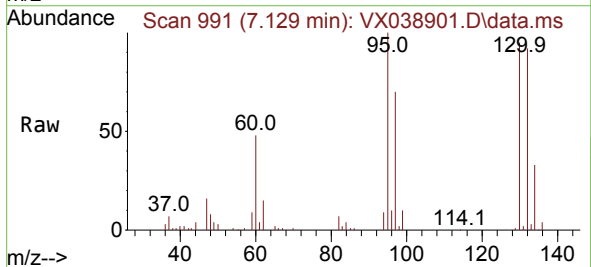
Instrument :
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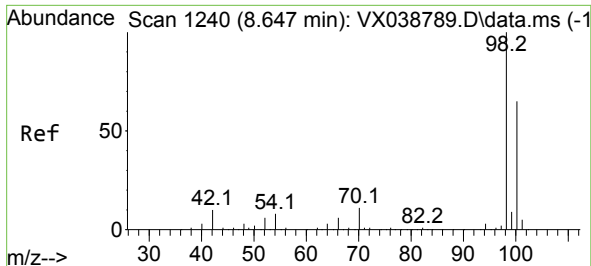
Tgt Ion:117 Resp: 12261
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 14.528 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion:130 Resp: 23864
Ion Ratio Lower Upper
130 100
95 105.0 0.0 204.4

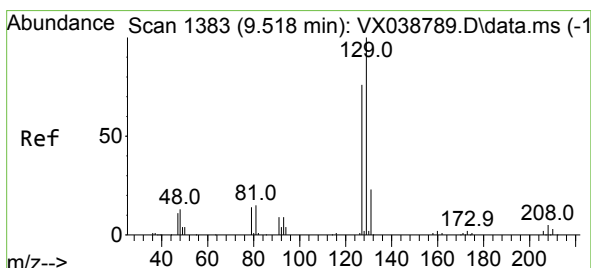
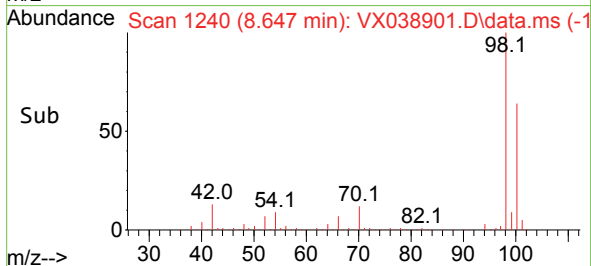
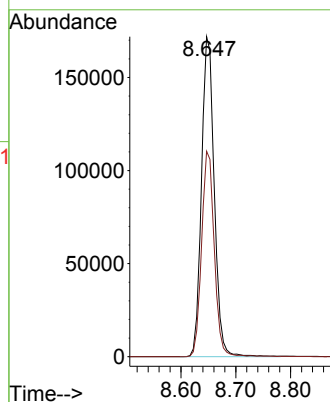
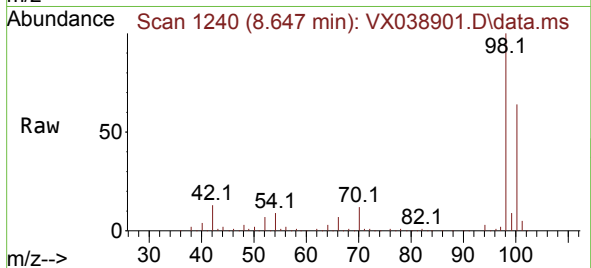




#50
Toluene-d8
Concen: 45.635 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

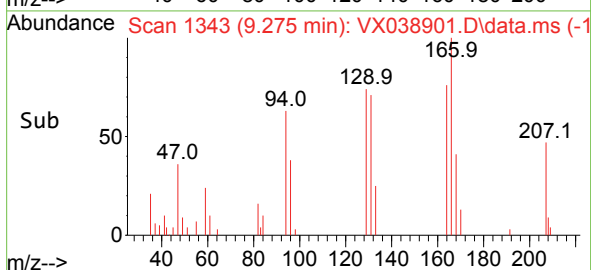
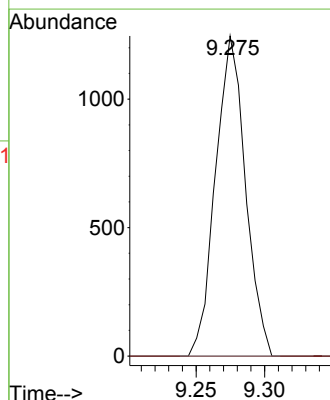
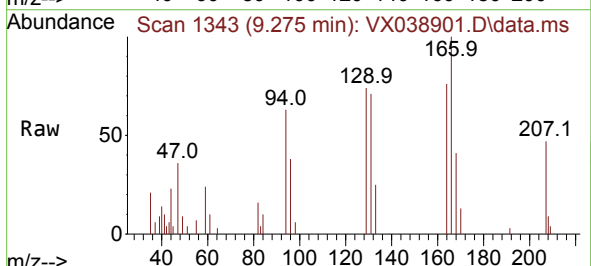
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20231109

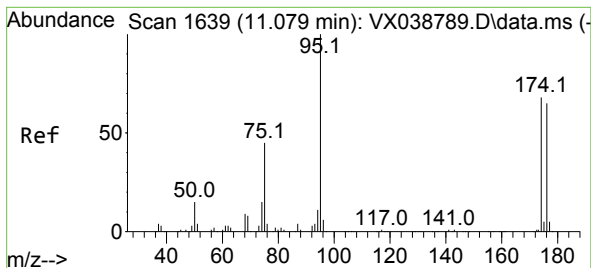
Tgt Ion: 98 Resp: 277960
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#60
Dibromochloromethane
Concen: 1.065 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion: 129 Resp: 1893
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

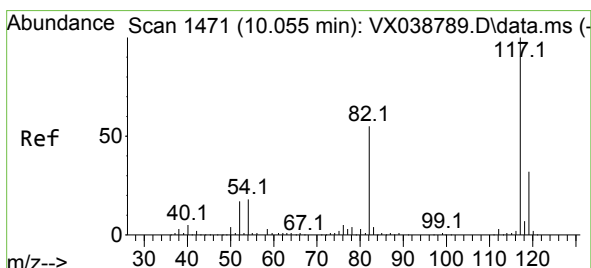
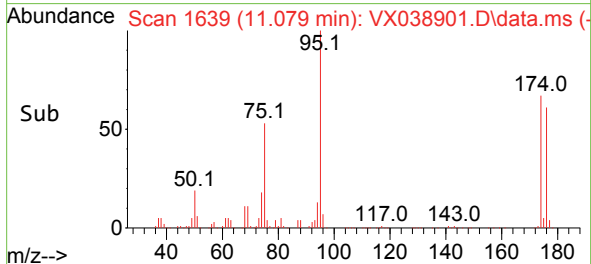
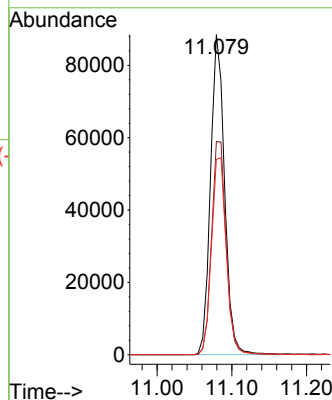
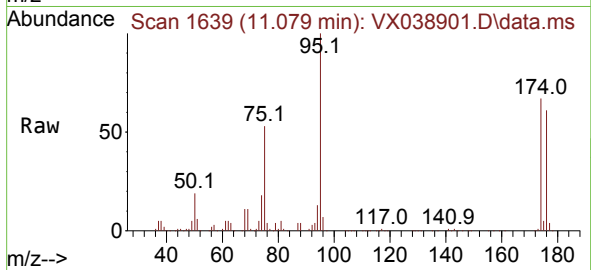




#62
4-Bromofluorobenzene
Concen: 47.575 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

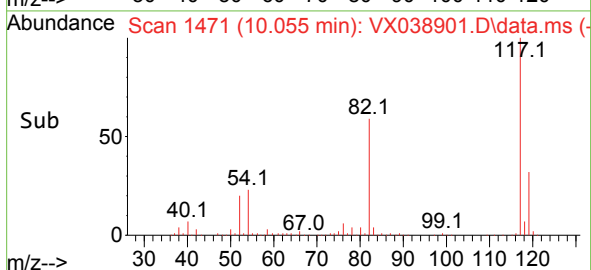
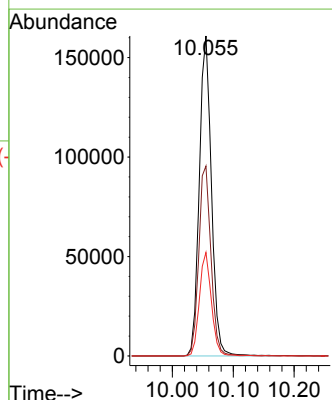
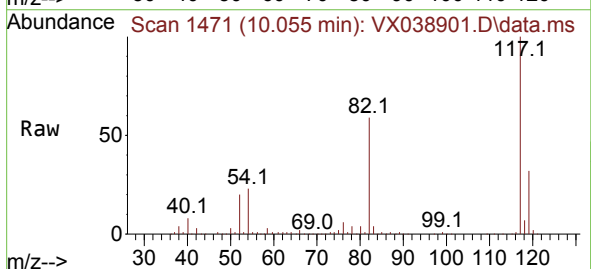
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20231109

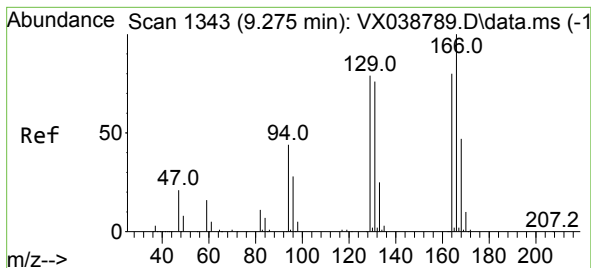
Tgt Ion: 95 Resp: 116000
Ion Ratio Lower Upper
95 100
174 69.0 0.0 135.6
176 64.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038901.D
Acq: 18 Nov 2023 02:02

Tgt Ion: 117 Resp: 222477
Ion Ratio Lower Upper
117 100
82 59.3 46.2 69.4
119 32.4 25.5 38.3





#64

Tetrachloroethene

Concen: 1.411 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038901.D

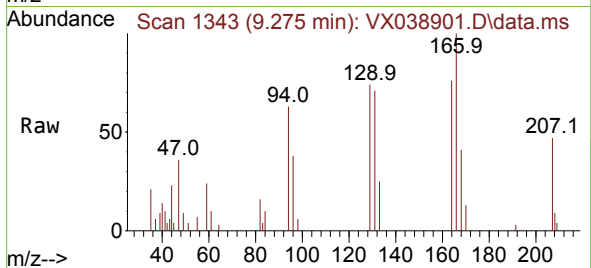
Acq: 18 Nov 2023 02:02

Instrument :

MSVOA_X

ClientSampleId :

TT150S1-20231109



Tgt Ion:164 Resp: 1951

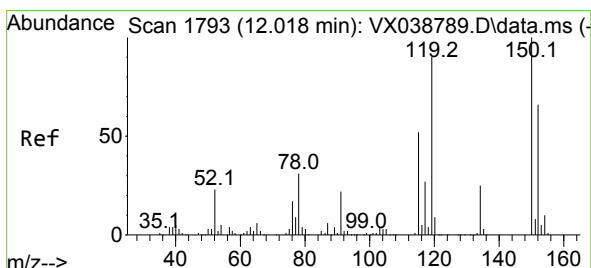
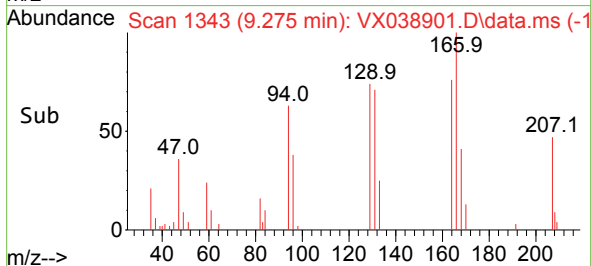
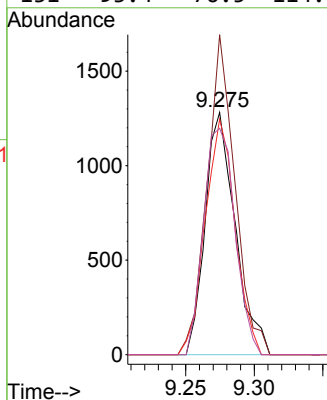
Ion Ratio Lower Upper

164 100

166 132.1 102.7 154.1

129 97.2 80.4 120.6

131 93.4 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX038901.D

Acq: 18 Nov 2023 02:02

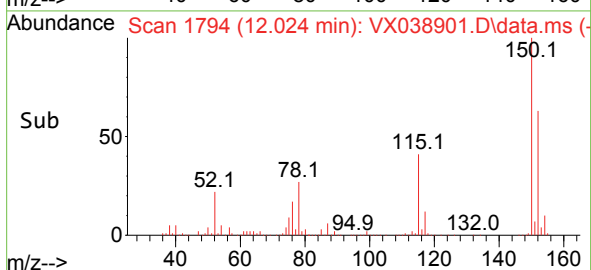
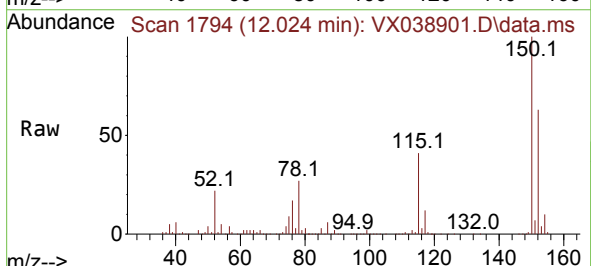
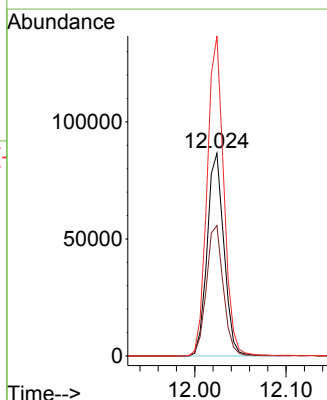
Tgt Ion:152 Resp: 110312

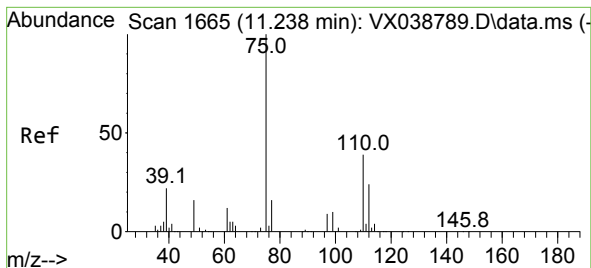
Ion Ratio Lower Upper

152 100

115 65.0 43.3 129.9

150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.780 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038901.D

Acq: 18 Nov 2023 02:02

Instrument :

MSVOA_X

ClientSampleId :

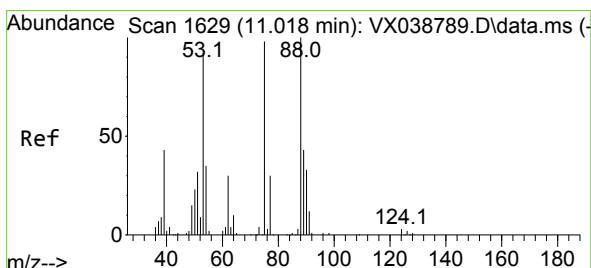
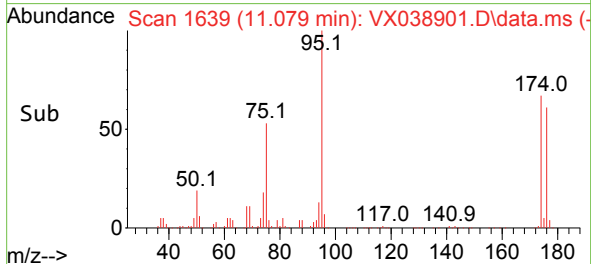
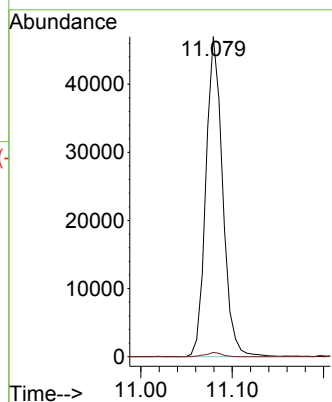
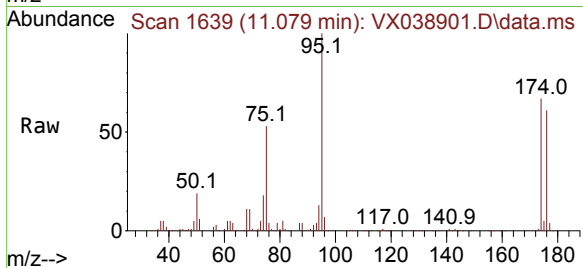
TT150S1-20231109

Tgt Ion: 75 Resp: 59944

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.310 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038901.D

Acq: 18 Nov 2023 02:02

Tgt Ion: 75 Resp: 59944

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

