

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038904.D
 Acq On : 18 Nov 2023 03:11
 Operator : JC/MD
 Sample : 05404-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 18 05:06:53 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)

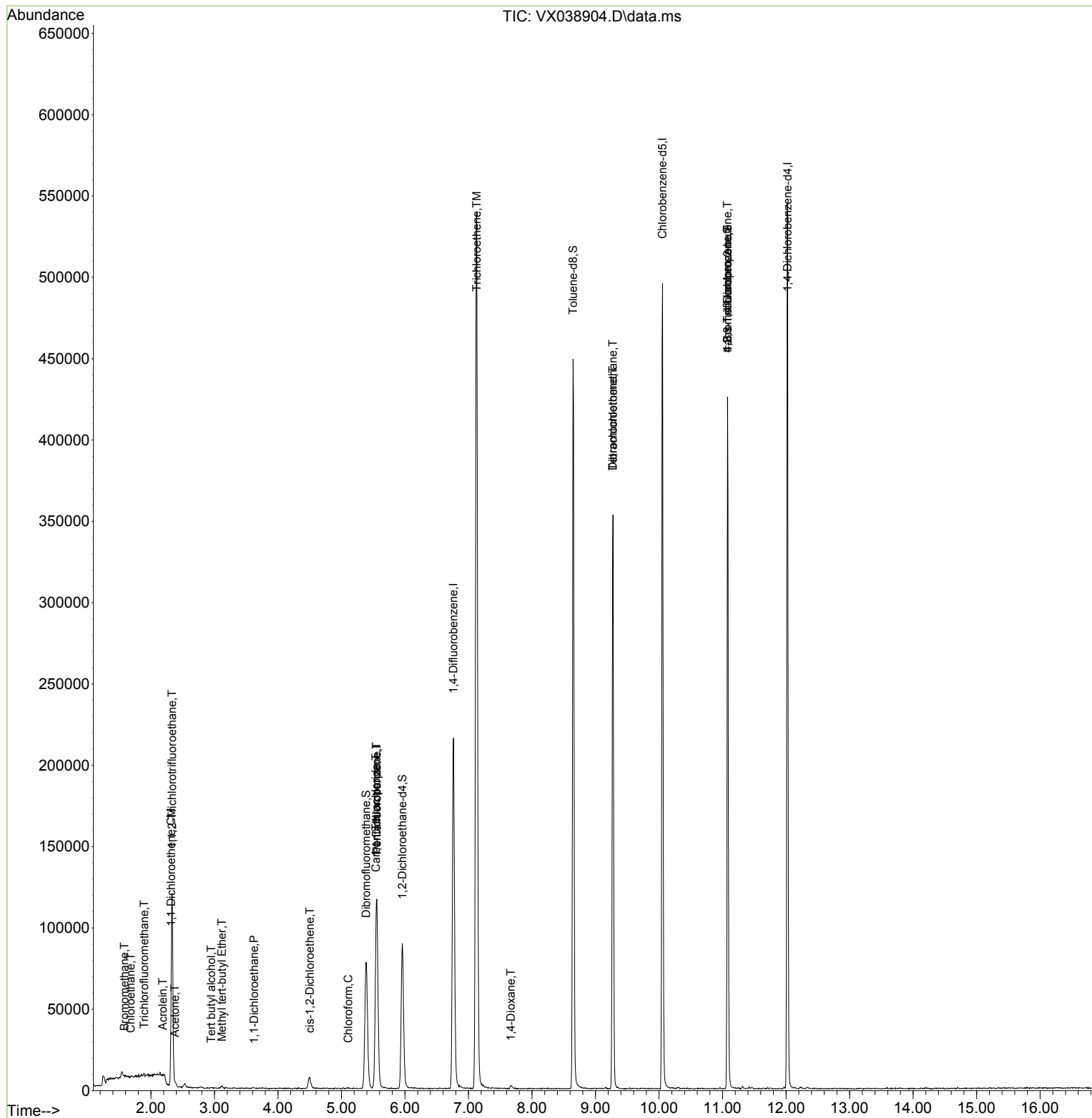
Internal Standards						
1) Pentafluorobenzene	5.556	168	106875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85095	49.413	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.820%
35) Dibromofluoromethane	5.385	113	69499	44.145	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.300%
50) Toluene-d8	8.647	98	275143	45.678	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.360%#
62) 4-Bromofluorobenzene	11.079	95	116959	48.506	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.020%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	187	0.288	ug/l #	3
6) Chloroethane	1.678	64	311	0.348	ug/l #	89
7) Trichlorofluoromethane	1.892	101	847	0.426	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	46604	35.322	ug/l	98
11) Tert butyl alcohol	2.946	59	286	0.597	ug/l #	1
12) 1,1-Dichloroethene	2.319	96	1351	1.014	ug/l #	61
13) Acrolein	2.184	56	88	0.347	ug/l #	34
16) Acetone	2.379	43	1572	1.715	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	1298	0.277	ug/l #	84
24) 1,1-Dichloroethane	3.623	63	778	0.284	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	4183	2.442	ug/l	87
30) Chloroform	5.105	83	677	0.253	ug/l #	79
36) 1,1-Dichloropropene	5.550	75	9632	4.269	ug/l #	50
38) Carbon Tetrachloride	5.544	117	11156	5.350	ug/l #	15
44) Trichloroethene	7.129	130	204033	125.602	ug/l	99
49) 1,4-Dioxane	7.665	88	1495	33.901	ug/l #	97
60) Dibromochloromethane	9.275	129	63871	36.352	ug/l #	11
64) Tetrachloroethene	9.275	164	61926	45.299	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	61016	22.082	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61016	48.980	ug/l #	5

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

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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

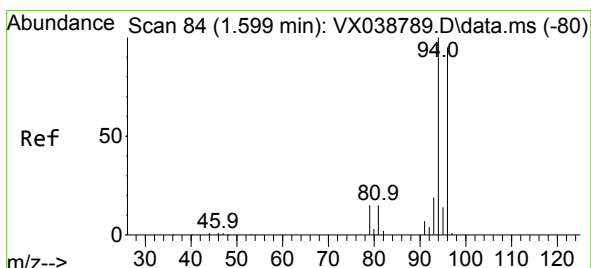
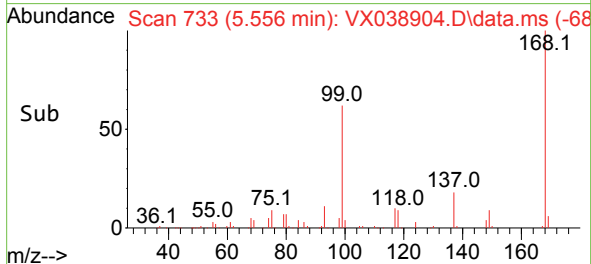
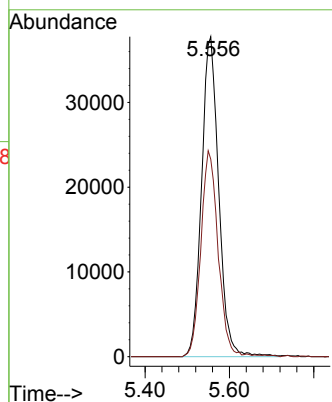
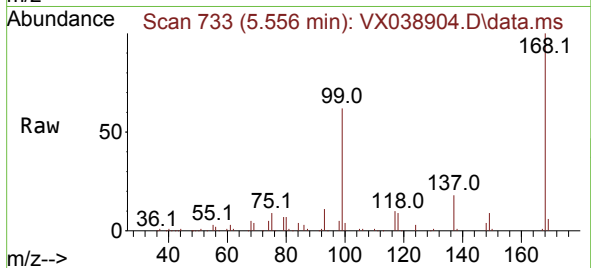




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

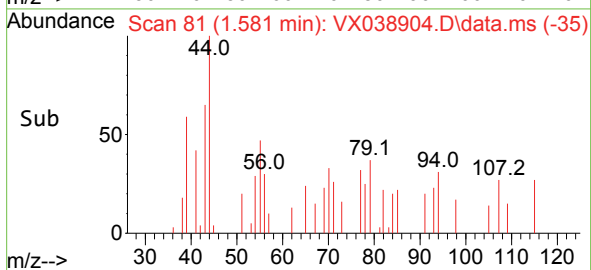
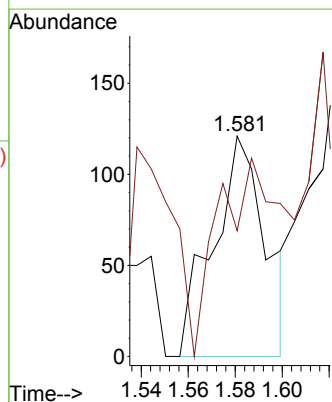
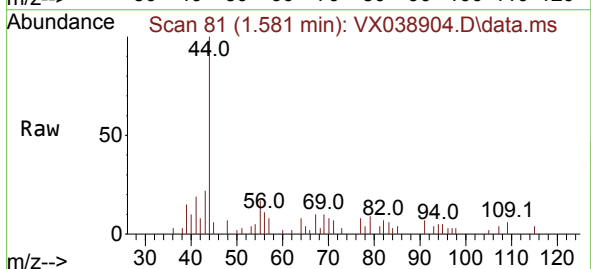
Instrument :
MSVOA_X
ClientSampleId :

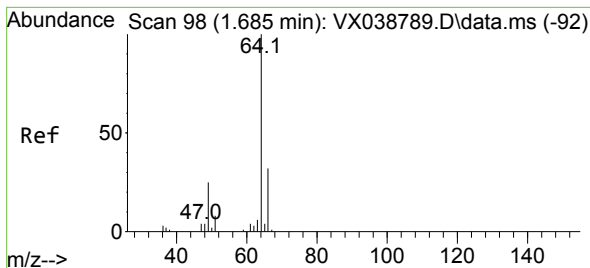
Tgt Ion:168 Resp: 106875
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0



#5
Bromomethane
Concen: 0.288 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.678 min Scan# 91

Delta R.T. -0.007 min

Lab File: VX038904.D

Acq: 18 Nov 2023 03:11

Instrument :

MSVOA_X

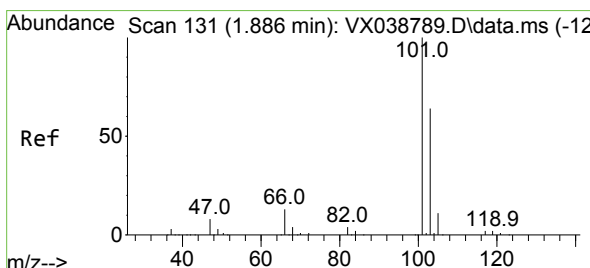
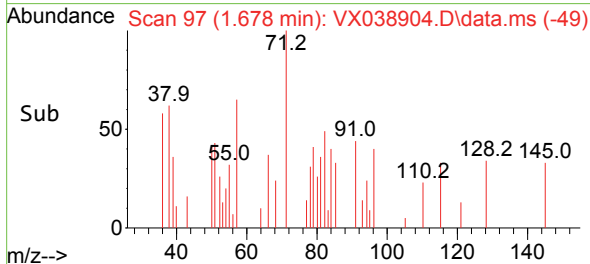
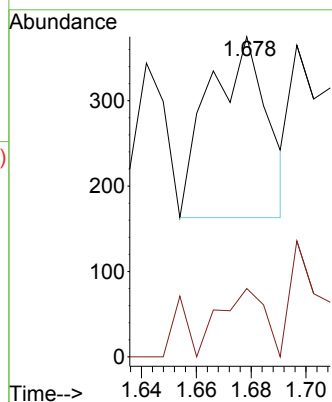
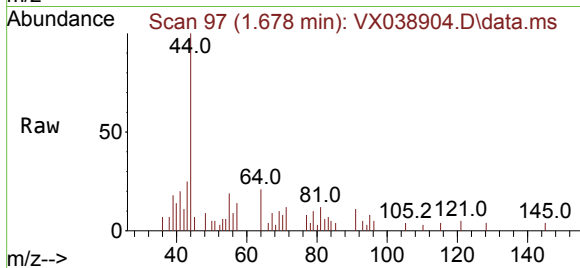
ClientSampleId :

Tgt Ion: 64 Resp: 311

Ion Ratio Lower Upper

64 100

66 37.7 25.1 37.7#



#7

Trichlorofluoromethane

Concen: 0.426 ug/l

RT: 1.892 min Scan# 132

Delta R.T. 0.006 min

Lab File: VX038904.D

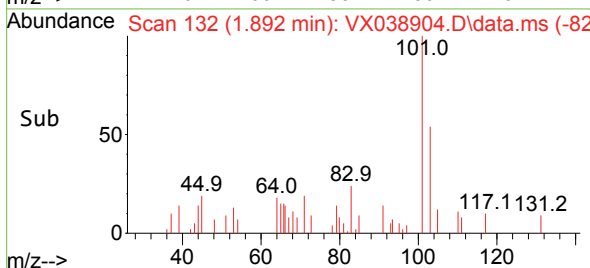
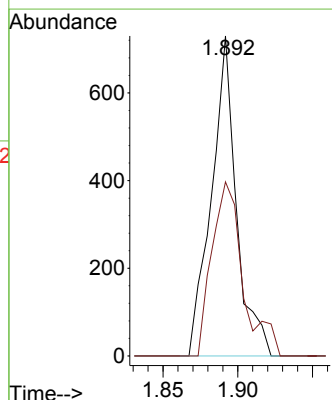
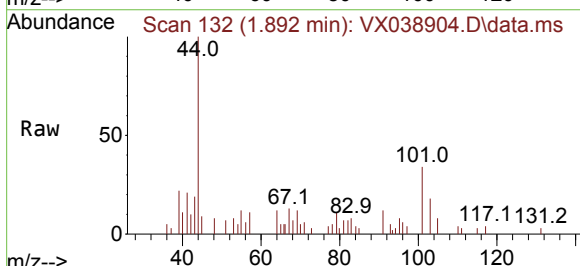
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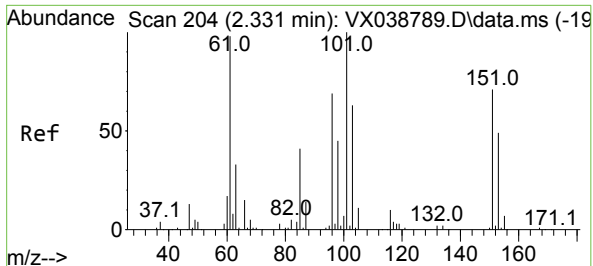
Tgt Ion:101 Resp: 847

Ion Ratio Lower Upper

101 100

103 54.4 51.4 77.2

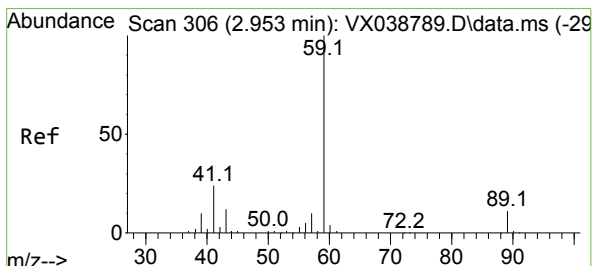
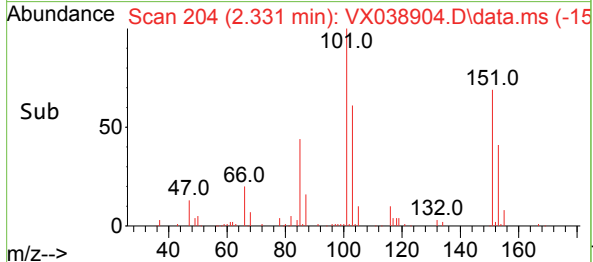
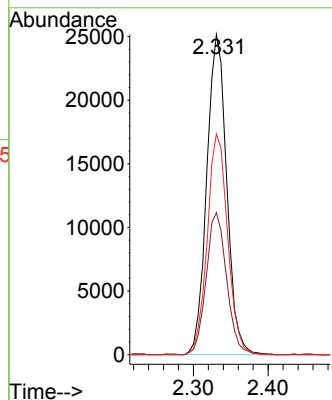
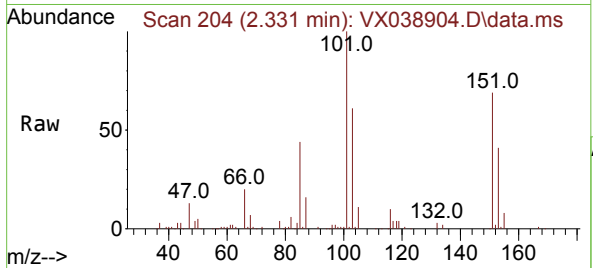




#9
1,1,2-Trichlorotrifluoroethane
Concen: 35.322 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

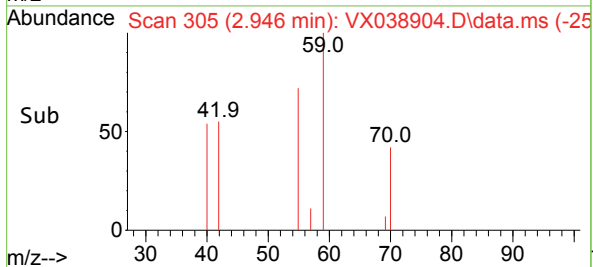
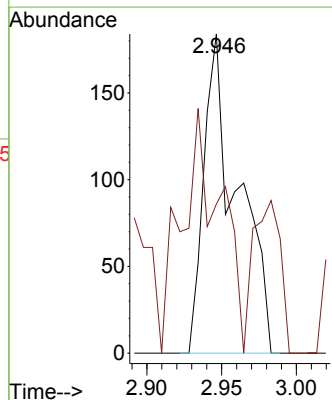
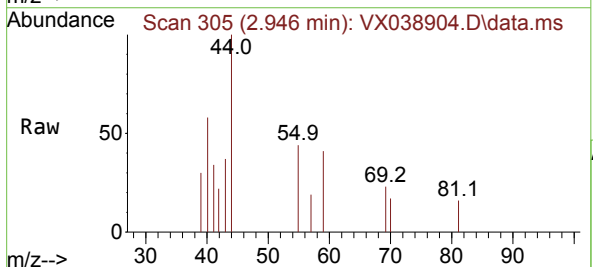
Instrument :
MSVOA_X
ClientSampleId :

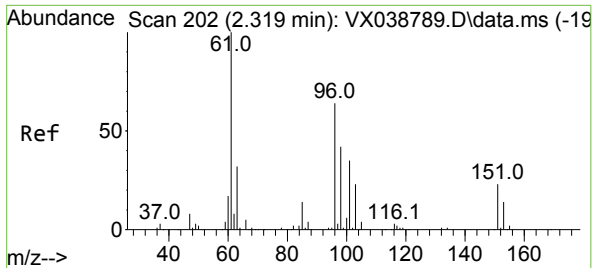
Tgt Ion:101 Resp: 46604
Ion Ratio Lower Upper
101 100
85 45.7 37.0 55.6
151 70.5 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.597 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

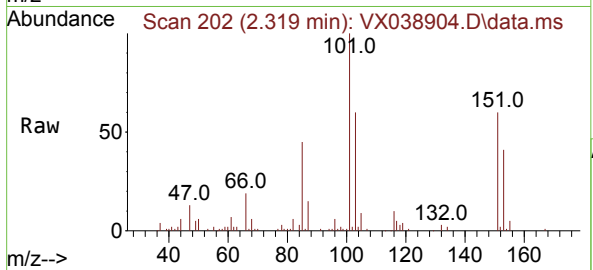
Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 88.5 6.0 9.0#



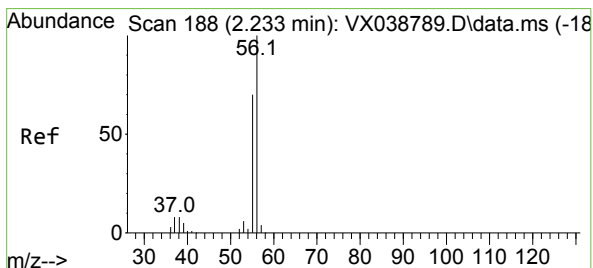
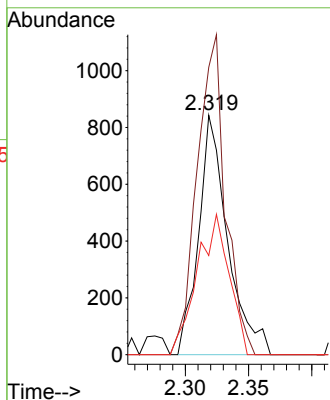
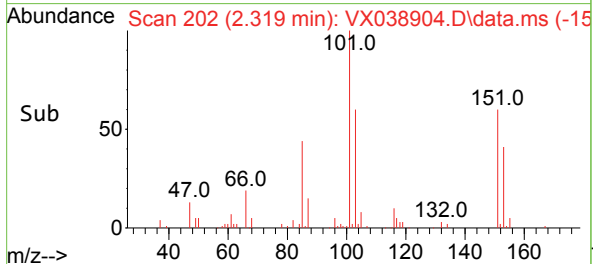


#12
1,1-Dichloroethene
Concen: 1.014 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Instrument :
MSVOA_X
ClientSampleId :

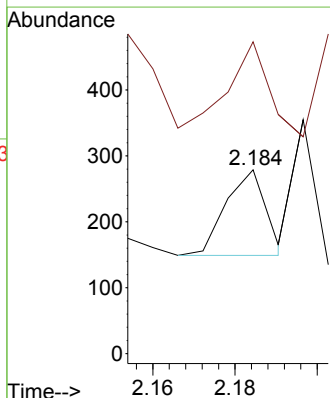
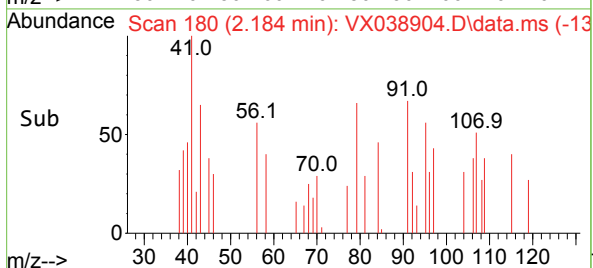
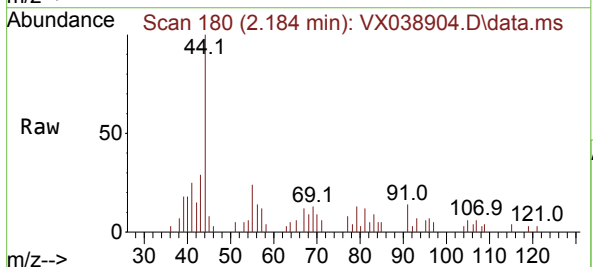


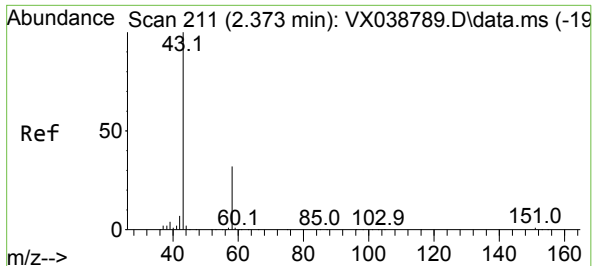
Tgt Ion: 96 Resp: 1351
Ion Ratio Lower Upper
96 100
61 120.0 144.6 216.8#
98 41.4 50.4 75.6#



#13
Acrolein
Concen: 0.347 ug/l
RT: 2.184 min Scan# 180
Delta R.T. -0.049 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 126.1 57.1 85.7#

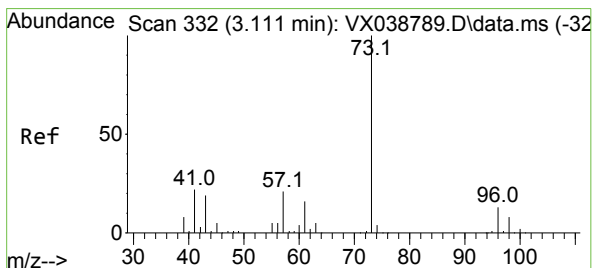
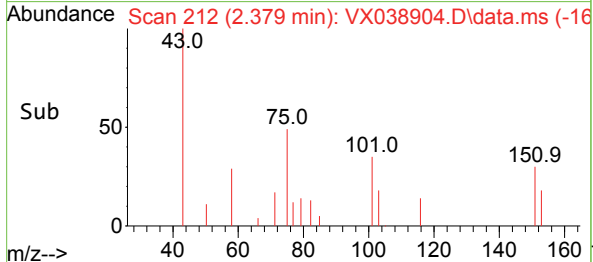
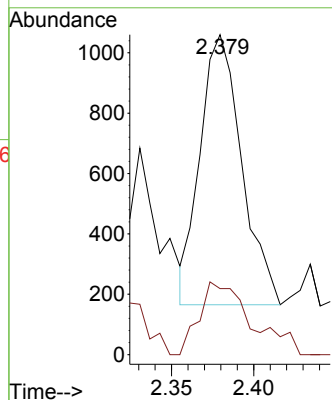
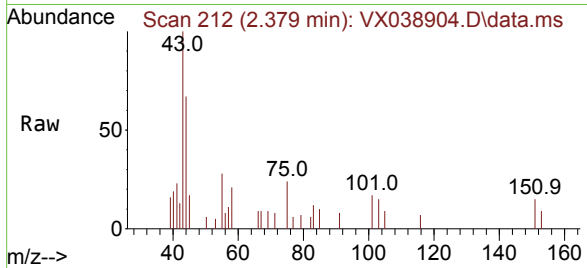




#16
Acetone
Concen: 1.715 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

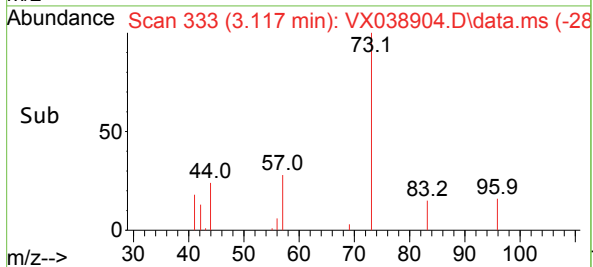
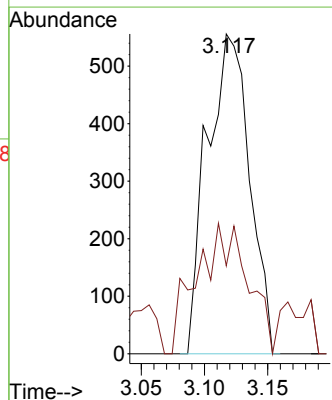
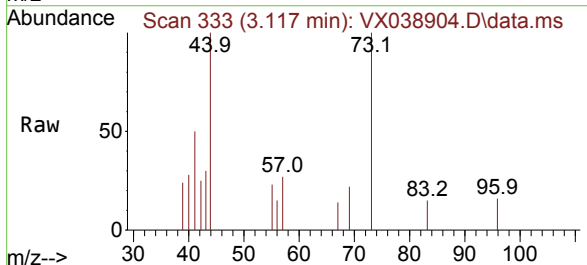
Instrument :
MSVOA_X
ClientSampleId :

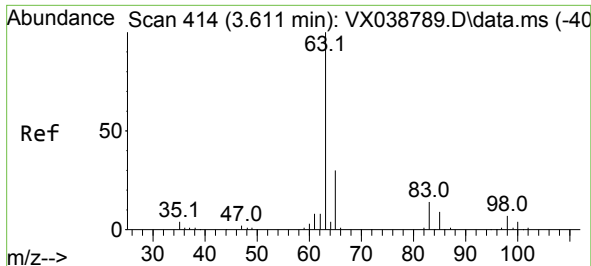
Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 24.5 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.277 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 73 Resp: 1298
Ion Ratio Lower Upper
73 100
57 14.0 17.3 25.9#

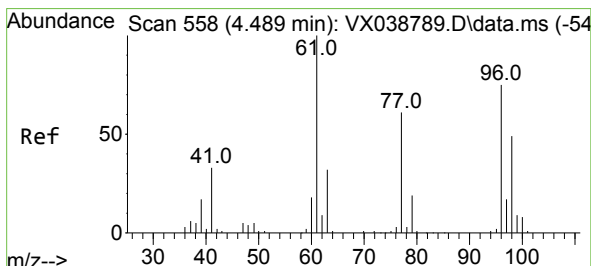
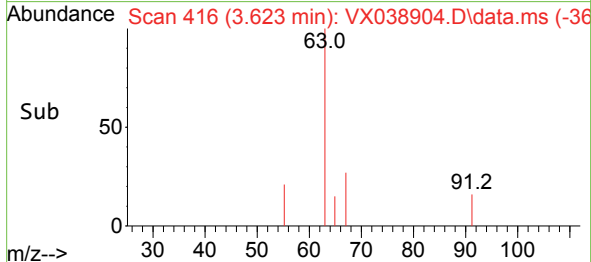
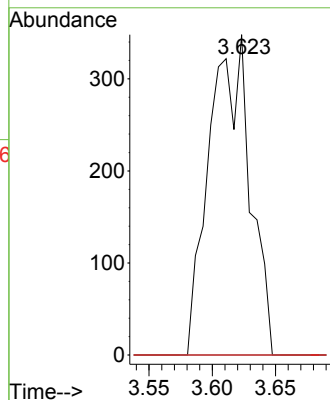
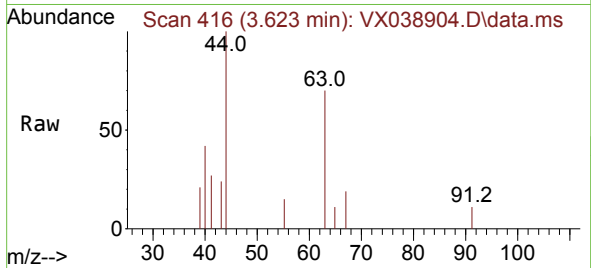




#24
1,1-Dichloroethane
Concen: 0.284 ug/l
RT: 3.623 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

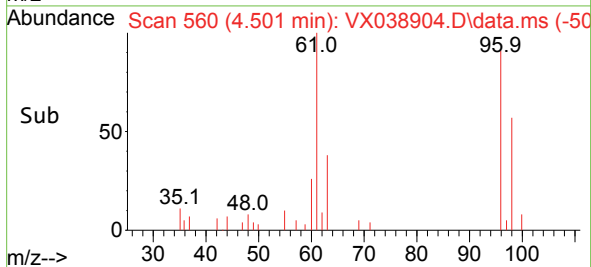
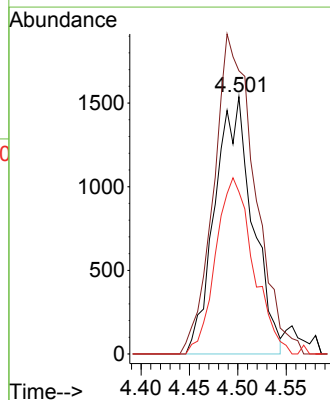
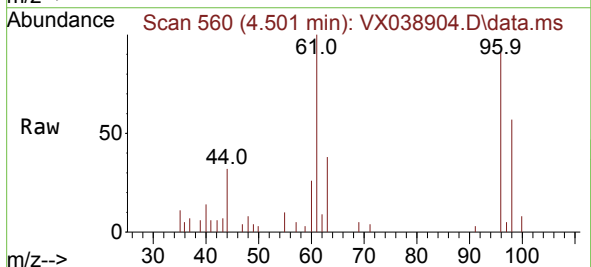
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ClientSampleId :

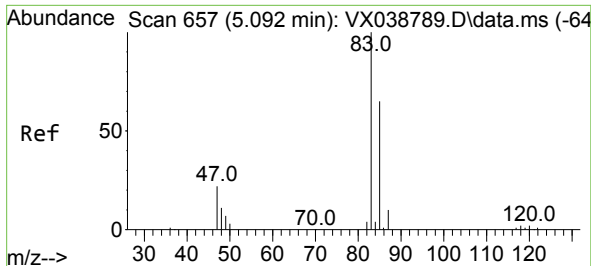
Tgt Ion: 63 Resp: 778
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 2.442 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 96 Resp: 4183
Ion Ratio Lower Upper
96 100
61 135.1 0.0 312.2
98 68.3 0.0 129.0

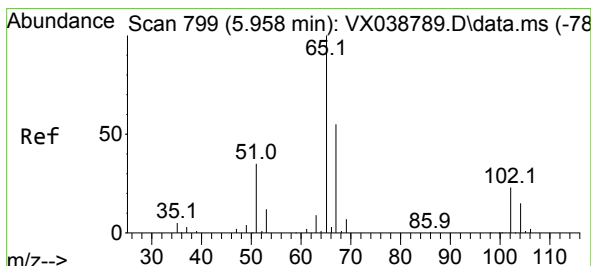
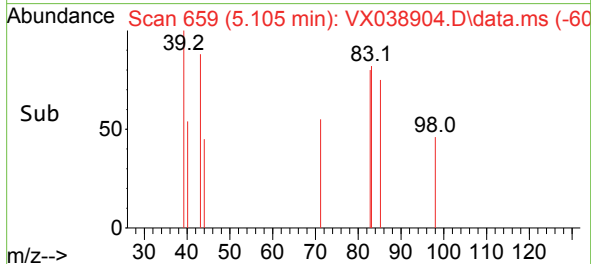
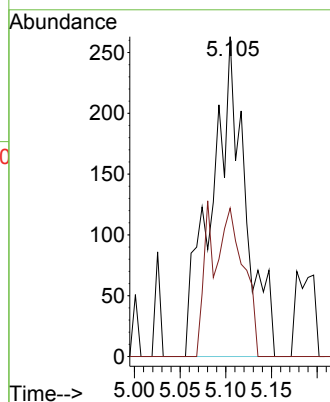
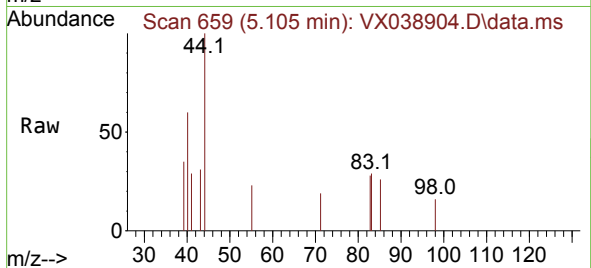




#30
Chloroform
Concen: 0.253 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

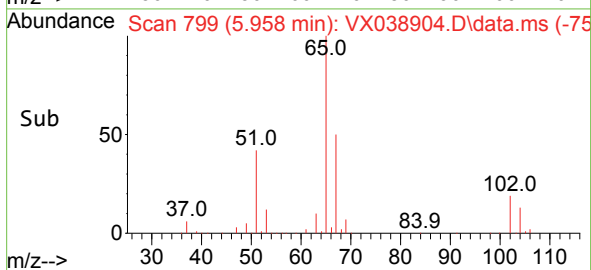
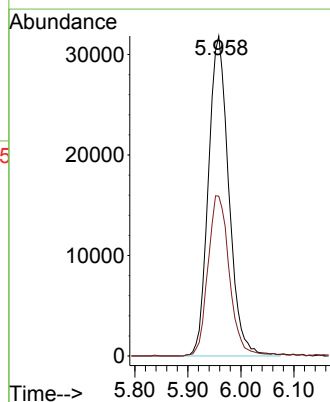
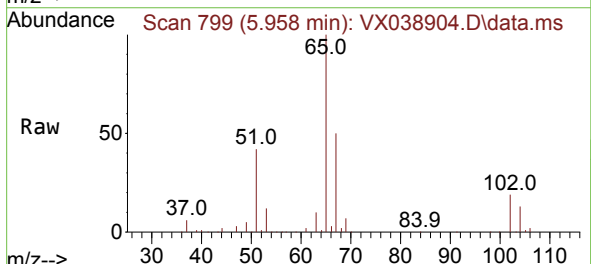
Instrument :
MSVOA_X
ClientSampleId :

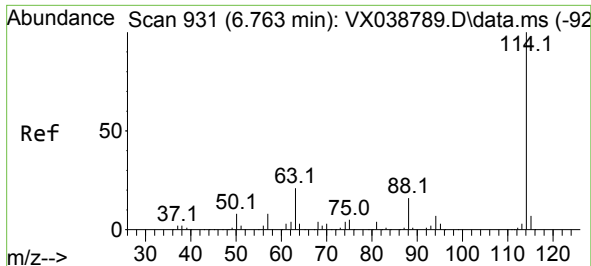
Tgt Ion: 83 Resp: 677
Ion Ratio Lower Upper
83 100
85 46.4 50.3 75.5#



#33
1,2-Dichloroethane-d4
Concen: 49.413 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 65 Resp: 85095
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

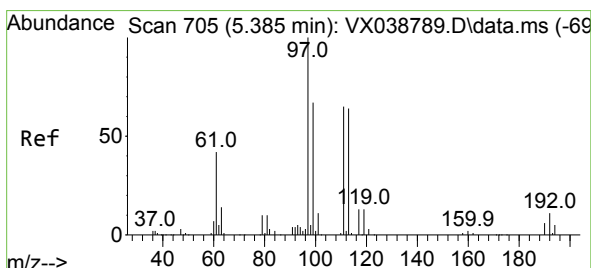
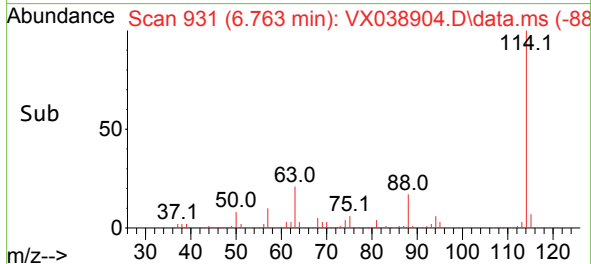
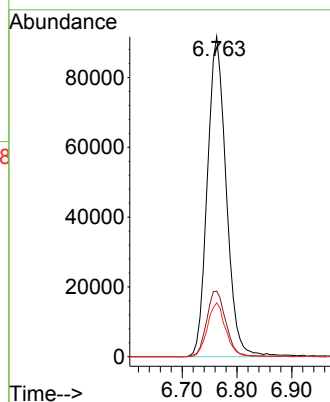
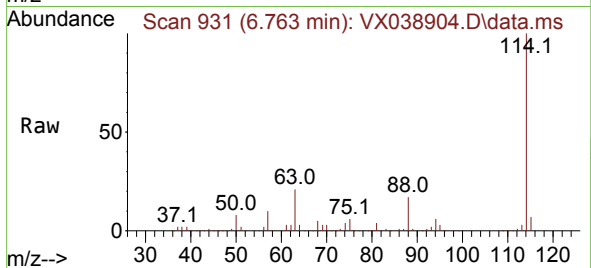




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

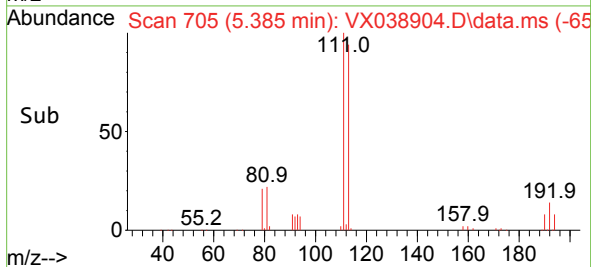
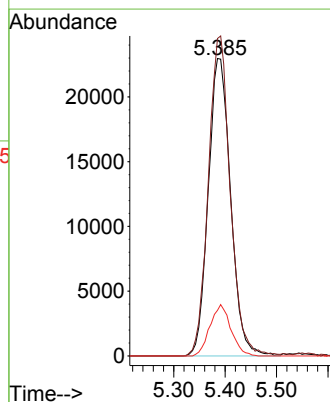
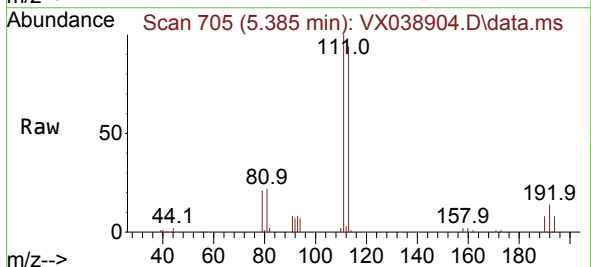
Instrument :
MSVOA_X
ClientSampleId :

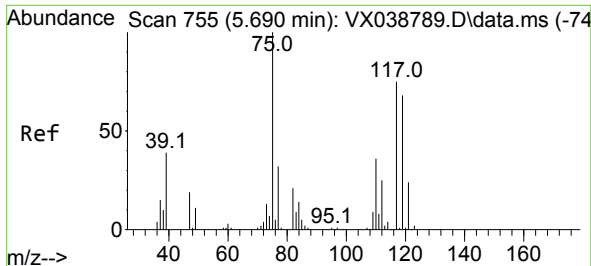
Tgt Ion:114 Resp: 217984
Ion Ratio Lower Upper
114 100
63 20.5 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.145 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion:113 Resp: 69499
Ion Ratio Lower Upper
113 100
111 105.3 82.9 124.3
192 16.2 13.3 19.9

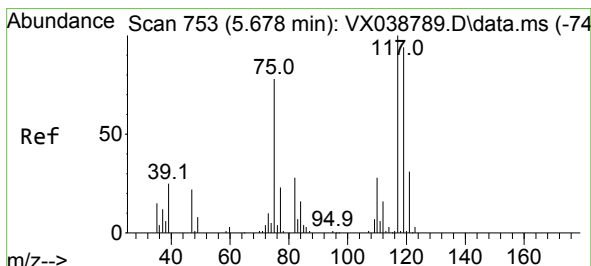
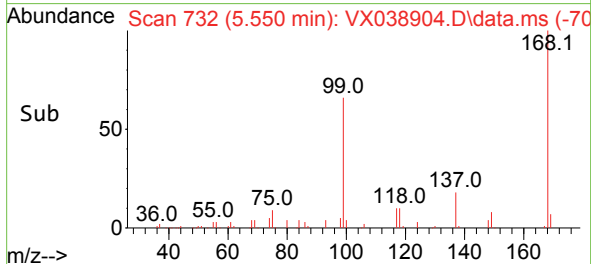
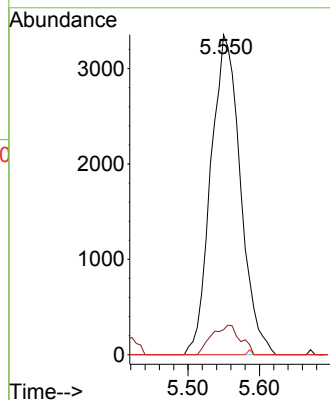
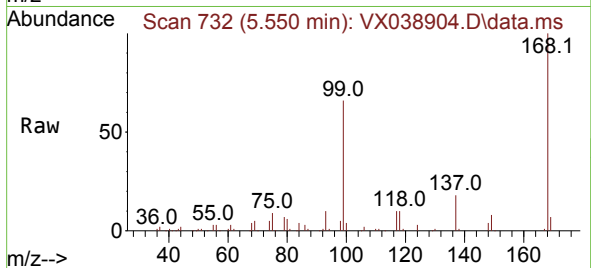




#36
1,1-Dichloropropene
Concen: 4.269 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

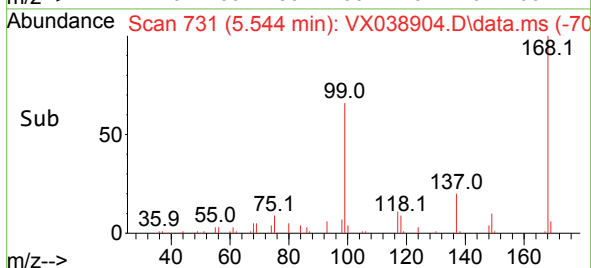
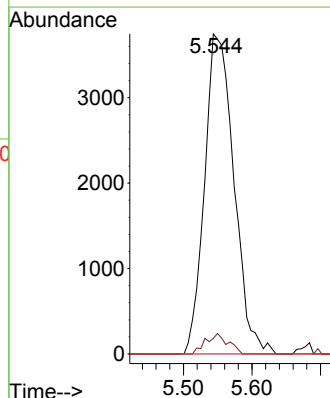
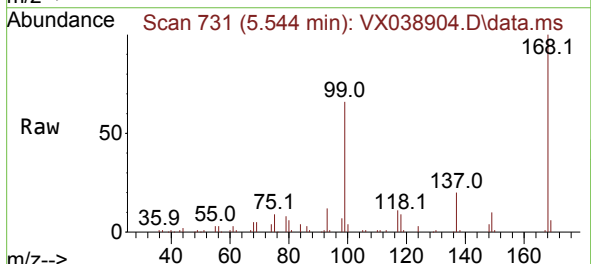
Instrument :
MSVOA_X
ClientSampleId :

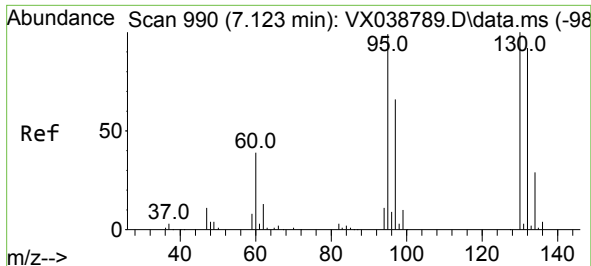
Tgt Ion: 75 Resp: 9632
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.350 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 117 Resp: 11156
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

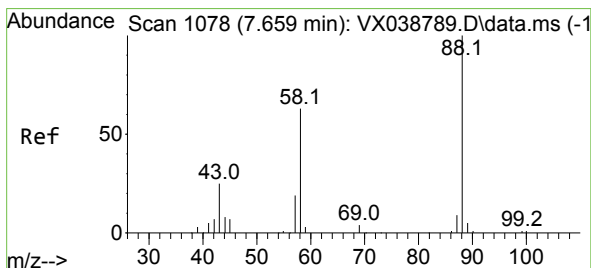
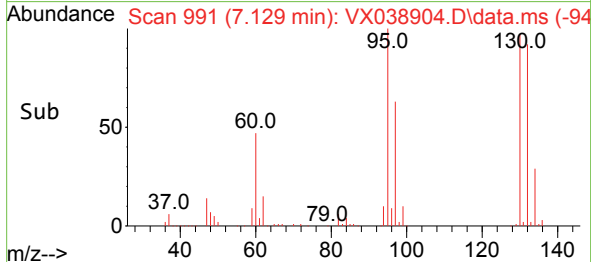
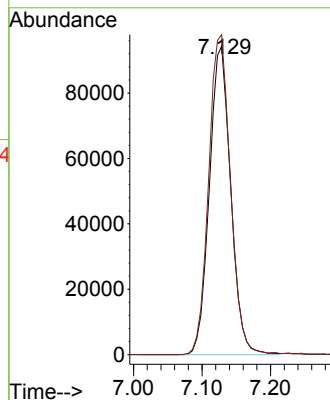
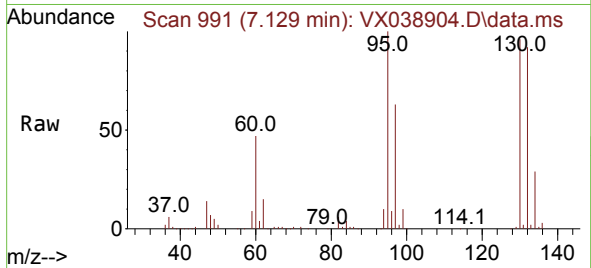




#44
Trichloroethene
Concen: 125.602 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

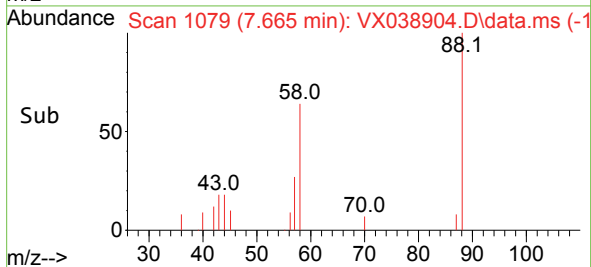
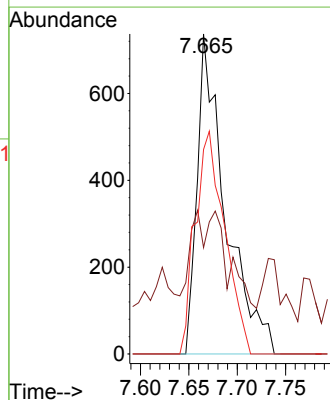
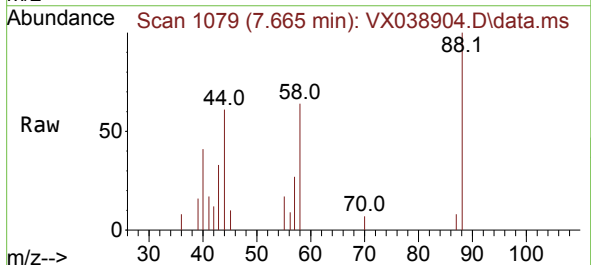
Instrument :
MSVOA_X
ClientSampleId :

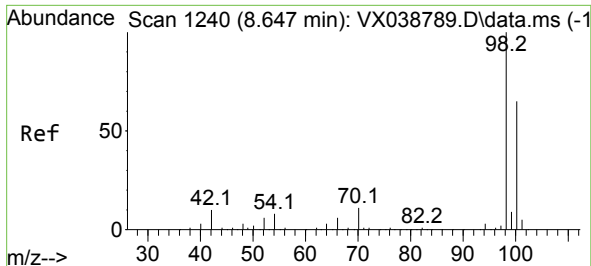
Tgt Ion:130 Resp: 204033
Ion Ratio Lower Upper
130 100
95 103.7 0.0 204.4



#49
1,4-Dioxane
Concen: 33.901 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 88 Resp: 1495
Ion Ratio Lower Upper
88 100
43 12.0 0.0 0.0#
58 72.8 60.1 90.1

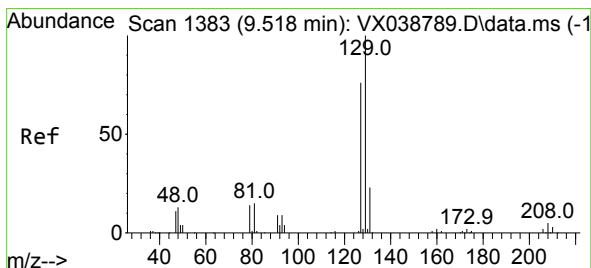
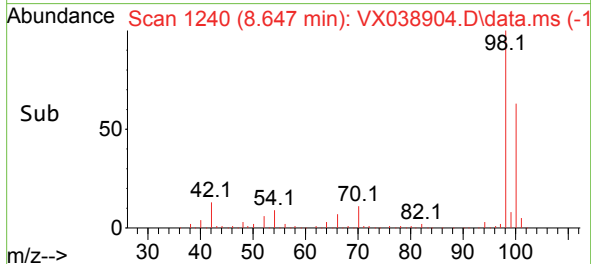
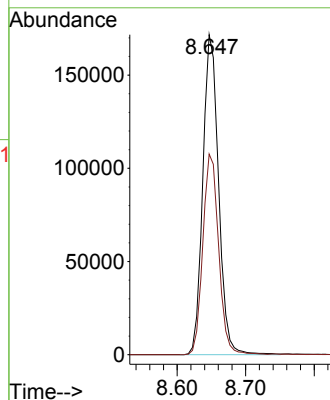
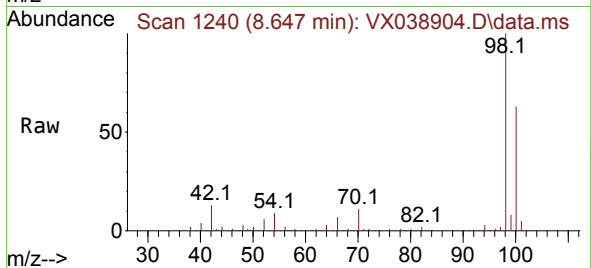




#50
Toluene-d8
Concen: 45.678 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

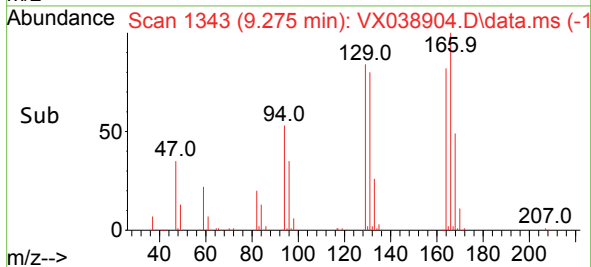
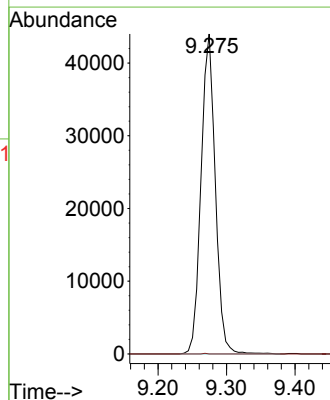
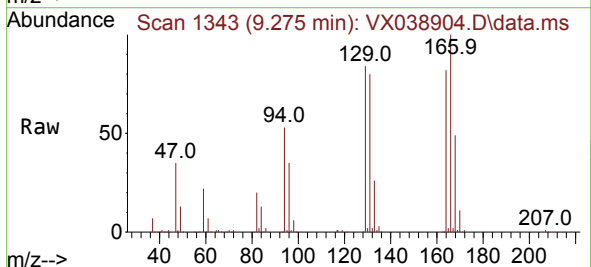
Instrument :
MSVOA_X
ClientSampleId :

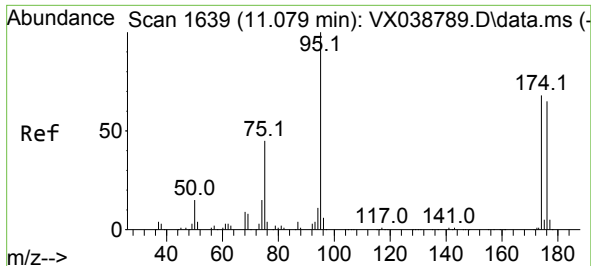
Tgt Ion: 98 Resp: 275143
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#60
Dibromochloromethane
Concen: 36.352 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion:129 Resp: 63871
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

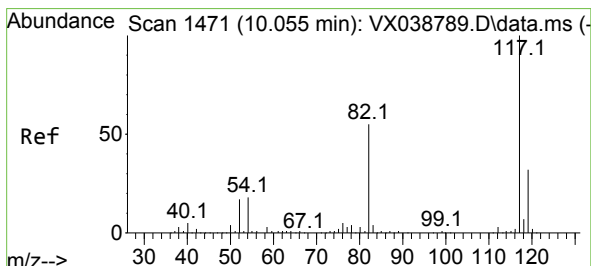
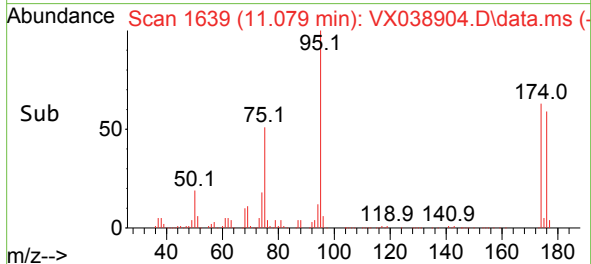
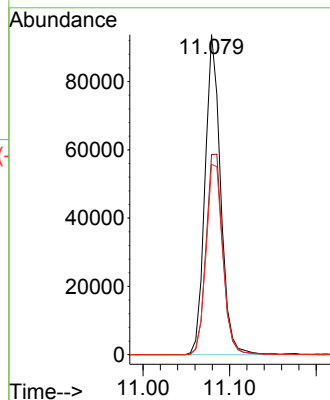
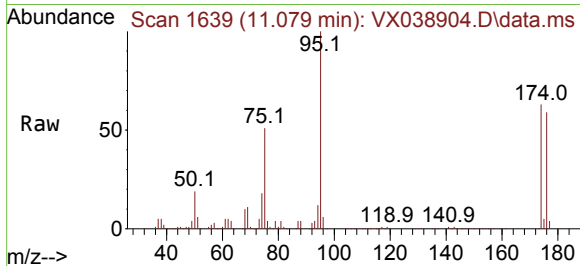




#62
4-Bromofluorobenzene
Concen: 48.506 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

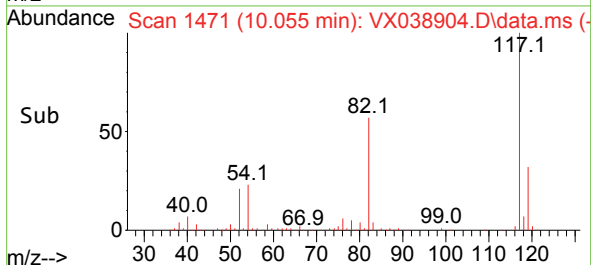
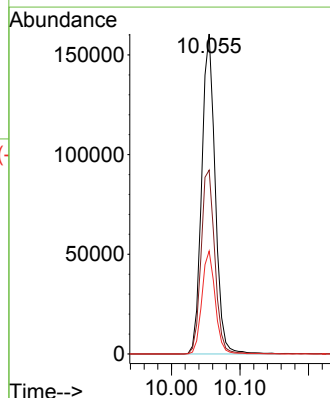
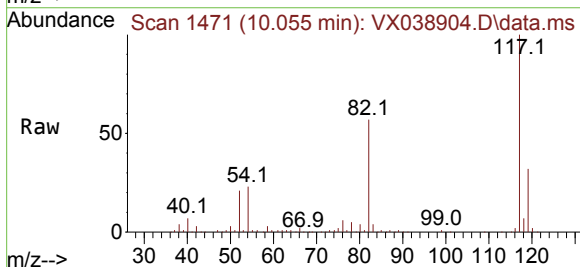
Instrument :
MSVOA_X
ClientSampleId :

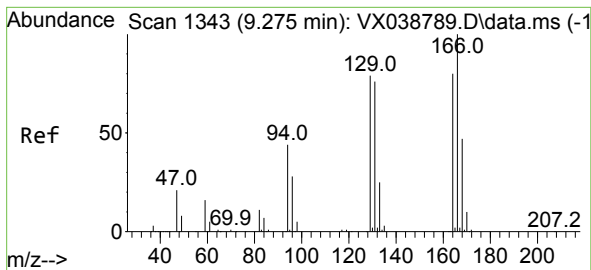
Tgt Ion: 95 Resp: 116959
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.6
176 64.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038904.D
Acq: 18 Nov 2023 03:11

Tgt Ion: 117 Resp: 219932
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 32.1 25.5 38.3





#64

Tetrachloroethene

Concen: 45.299 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

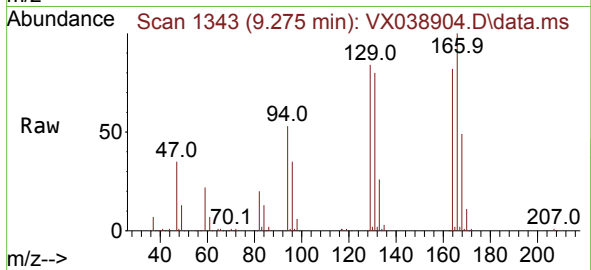
Lab File: VX038904.D

Acq: 18 Nov 2023 03:11

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 61926

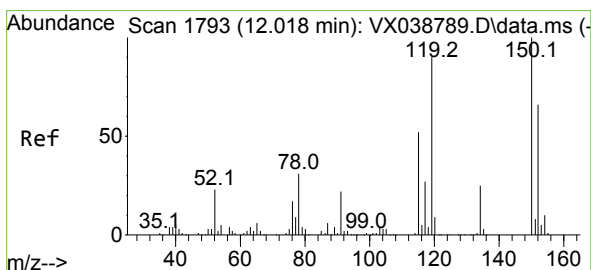
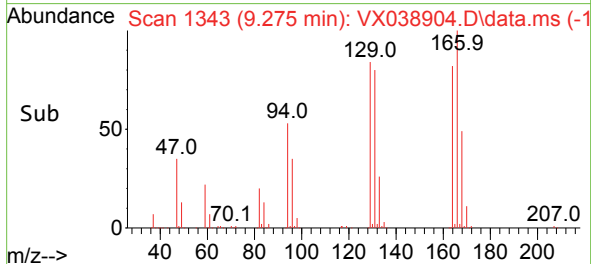
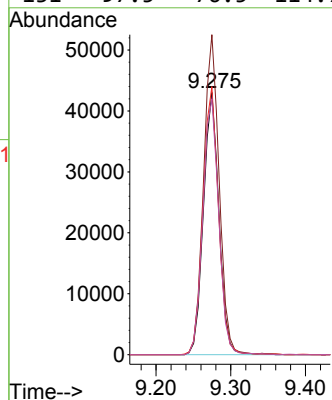
Ion Ratio Lower Upper

164 100

166 122.0 102.7 154.1

129 102.2 80.4 120.6

131 97.5 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: VX038904.D

Acq: 18 Nov 2023 03:11

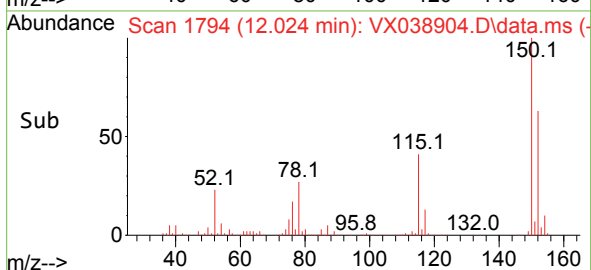
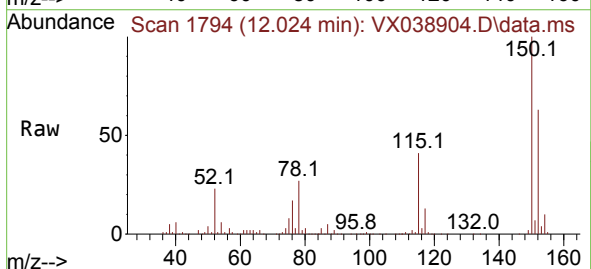
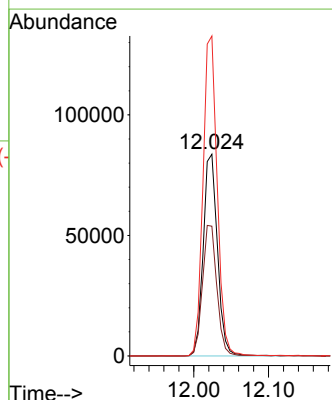
Tgt Ion:152 Resp: 110748

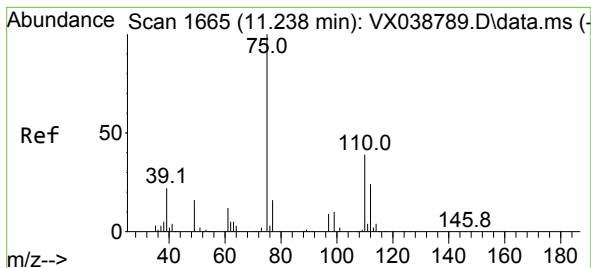
Ion Ratio Lower Upper

152 100

115 65.4 43.3 129.9

150 158.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.082 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038904.D

Acq: 18 Nov 2023 03:11

Instrument :

MSVOA_X

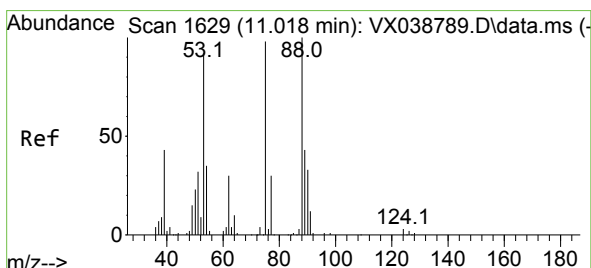
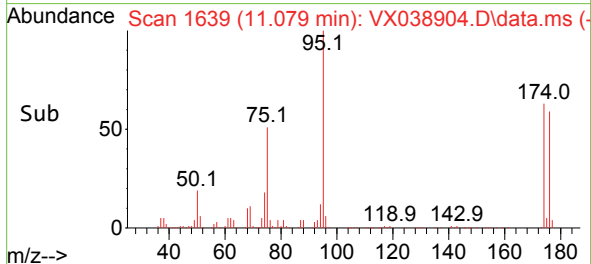
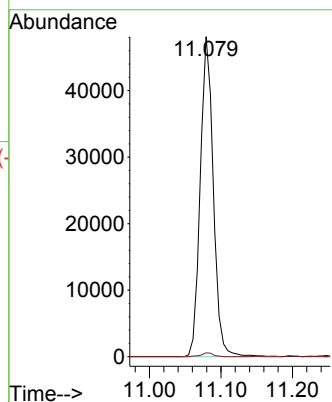
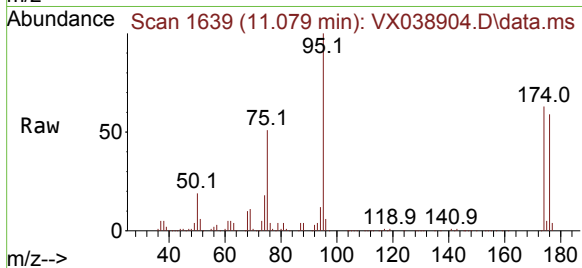
ClientSampleId :

Tgt Ion: 75 Resp: 61016

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.980 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038904.D

Acq: 18 Nov 2023 03:11

Tgt Ion: 75 Resp: 61016

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

