

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013688.D
 Acq On : 10 May 2023 15:20
 Operator : KP/MD
 Sample : 02723-09
 Misc : 6.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-44.5-050923

Quant Time: May 11 03:28:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

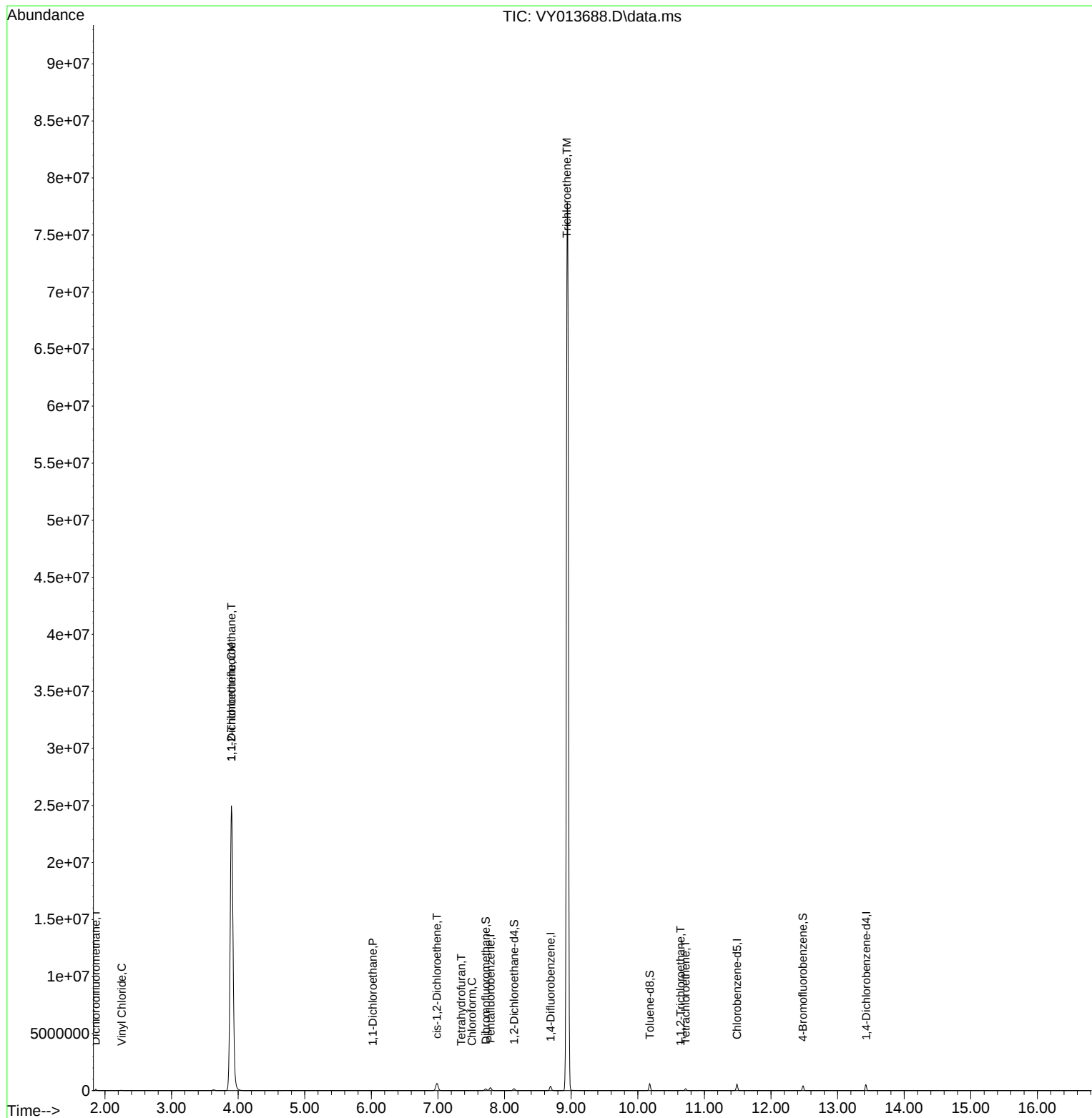
Internal Standards						
1) Pentafluorobenzene	7.789	168	201734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	301696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	133052	60.165	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 120.340%		
35) Dibromofluoromethane	7.716	113	107409	53.533	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.060%		
50) Toluene-d8	10.179	98	387002	54.221	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 108.440%		
62) 4-Bromofluorobenzene	12.477	95	121947	50.679	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 101.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.863	85	12105	6.312	ug/l	100
4) Vinyl Chloride	2.253	62	18392	7.185	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	15042455	6915.947	ug/l	93
12) 1,1-Dichloroethene	3.899	96	59640	28.446	ug/l #	56
24) 1,1-Dichloroethane	6.021	63	4884	1.152	ug/l #	91
27) cis-1,2-Dichloroethene	6.984	96	394392	155.716	ug/l	92
29) Tetrahydrofuran	7.350	42	4341	6.314	ug/l #	76
30) Chloroform	7.509	83	7324	1.738	ug/l	88
44) Trichloroethene	8.935	130	21837551	8752.362	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	6999	3.602	ug/l	93
64) Tetrachloroethene	10.715	164	36161	15.763	ug/l	96

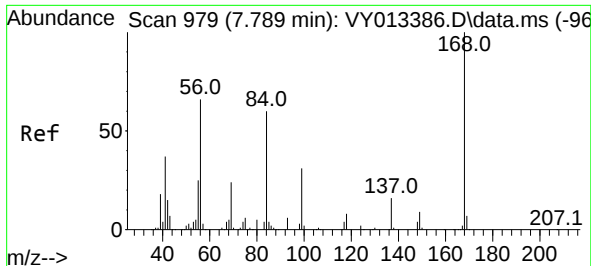
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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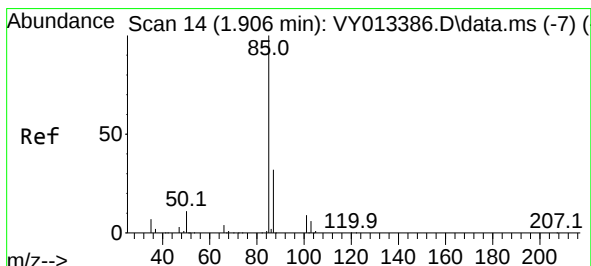
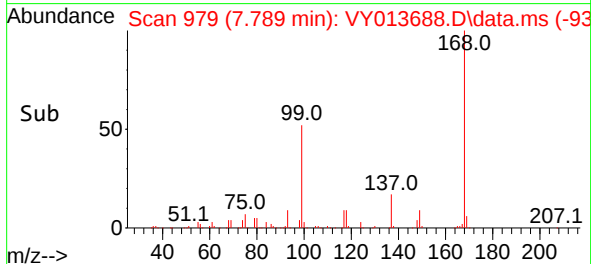
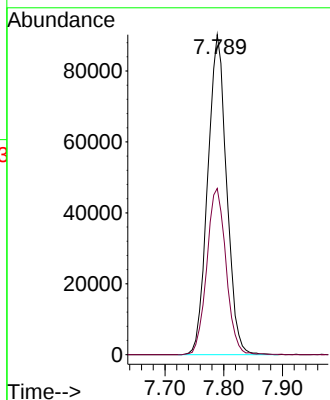
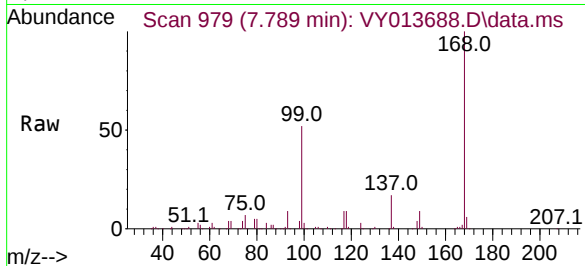




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

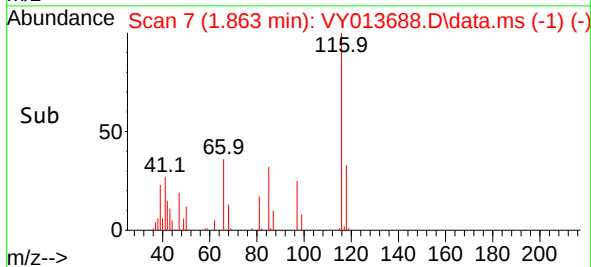
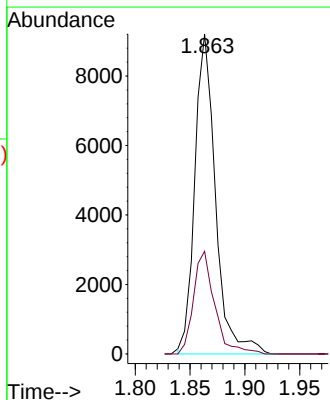
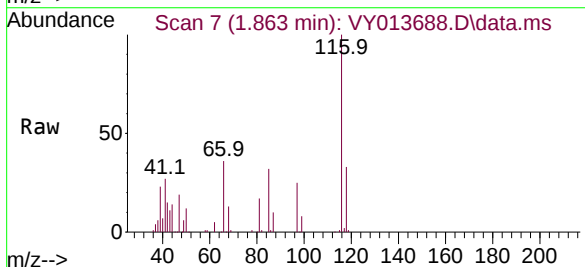
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-44.5-050923

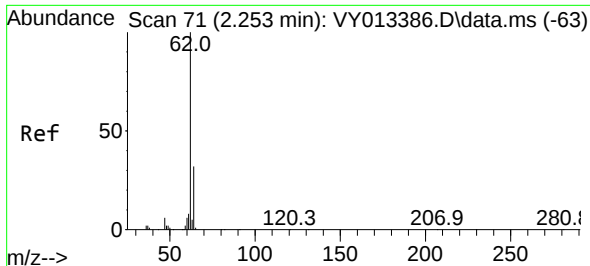
Tgt Ion:168 Resp: 201734
Ion Ratio Lower Upper
168 100
99 51.9 41.8 62.6



#2
Dichlorodifluoromethane
Concen: 6.312 ug/l
RT: 1.863 min Scan# 7
Delta R.T. -0.043 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

Tgt Ion: 85 Resp: 12105
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.2

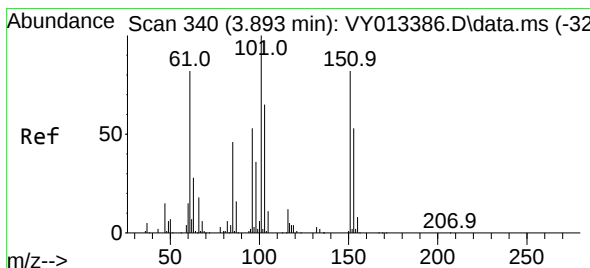
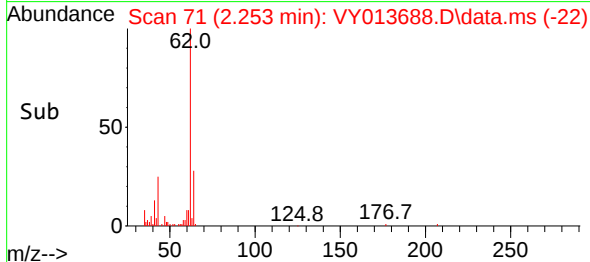
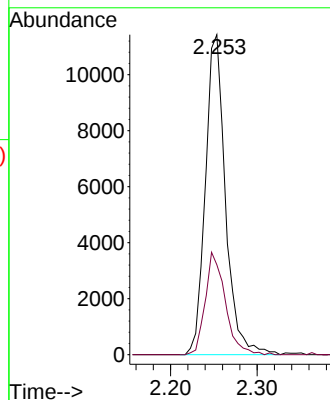
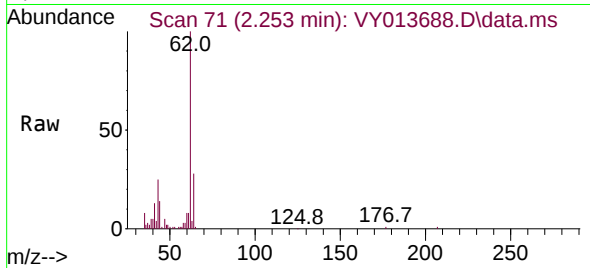




#4
 Vinyl Chloride
 Concen: 7.185 ug/l
 RT: 2.253 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VY013688.D
 Acq: 10 May 2023 15:20

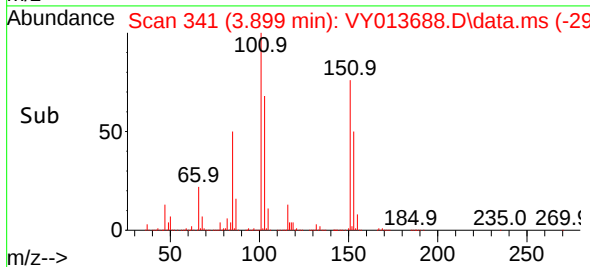
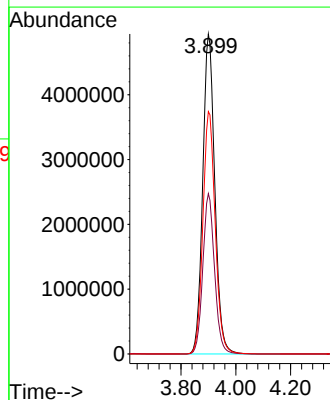
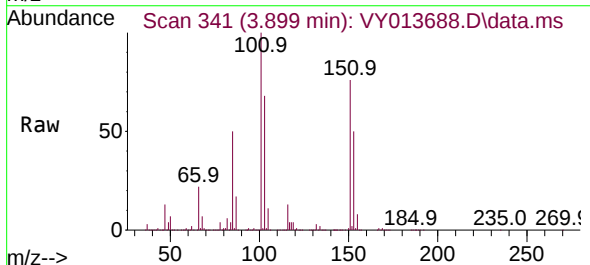
Instrument :
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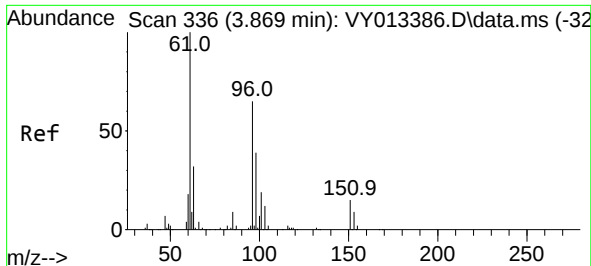
Tgt Ion: 62 Resp: 18392
 Ion Ratio Lower Upper
 62 100
 64 28.1 25.4 38.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6915.947 ug/l
 RT: 3.899 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VY013688.D
 Acq: 10 May 2023 15:20

Tgt Ion: 101 Resp: 15042455
 Ion Ratio Lower Upper
 101 100
 85 48.8 35.6 53.4
 151 77.7 68.0 102.0





#12

1,1-Dichloroethene

Concen: 28.446 ug/l

RT: 3.899 min Scan# 341

Delta R.T. 0.030 min

Lab File: VY013688.D

Acq: 10 May 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-44.5-050923

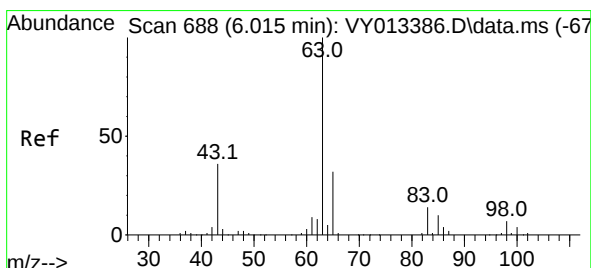
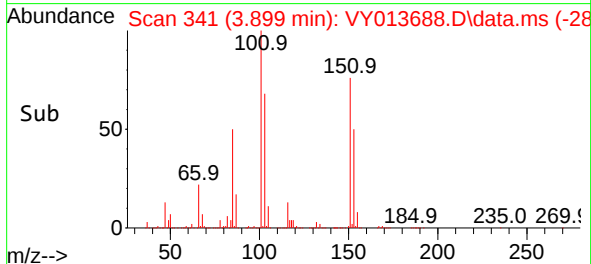
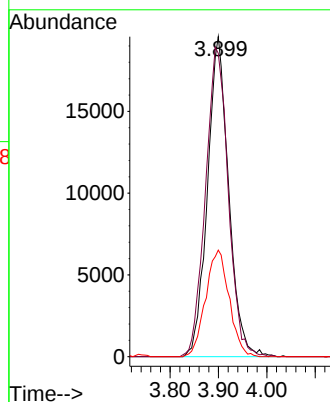
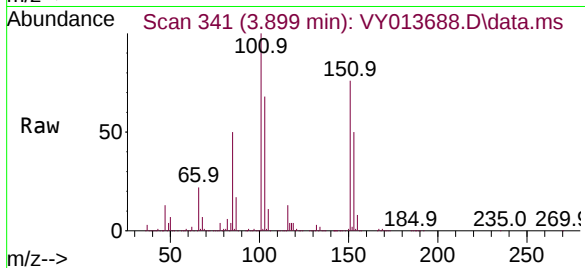
Tgt Ion: 96 Resp: 59640

Ion Ratio Lower Upper

96 100

61 94.8 123.9 185.9#

98 33.3 48.9 73.3#



#24

1,1-Dichloroethane

Concen: 1.152 ug/l

RT: 6.021 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY013688.D

Acq: 10 May 2023 15:20

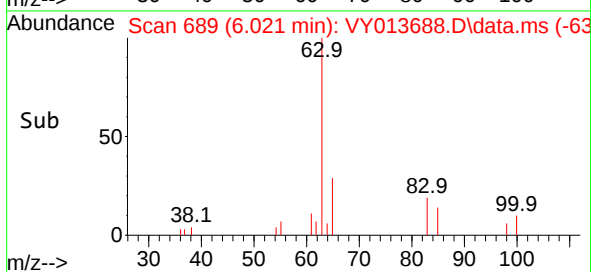
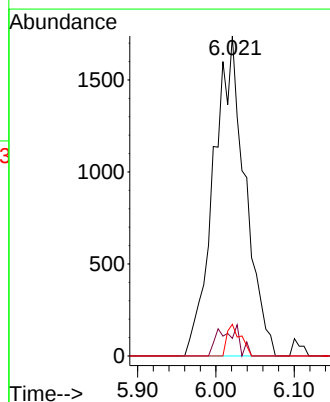
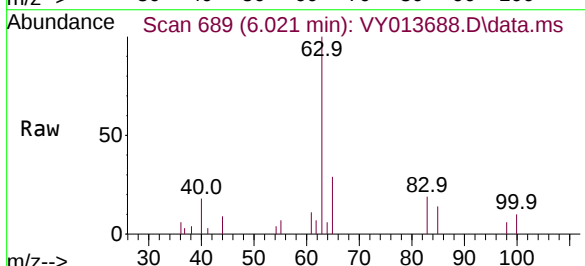
Tgt Ion: 63 Resp: 4884

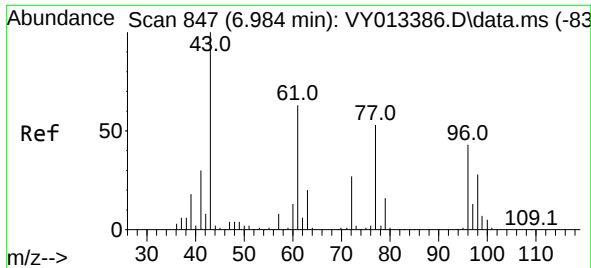
Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.6

100 9.9 2.2 6.6#

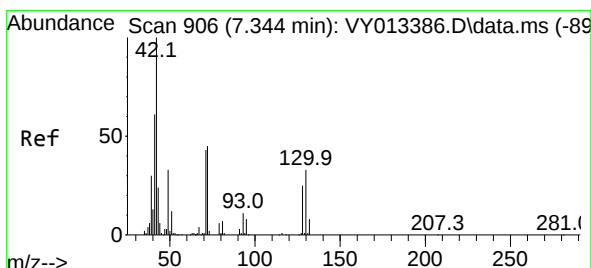
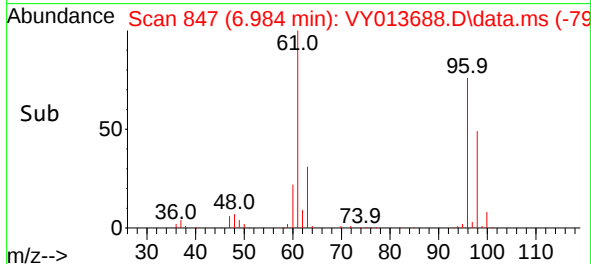
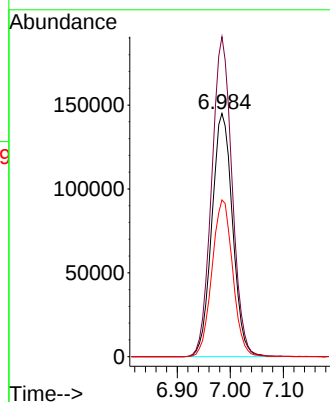
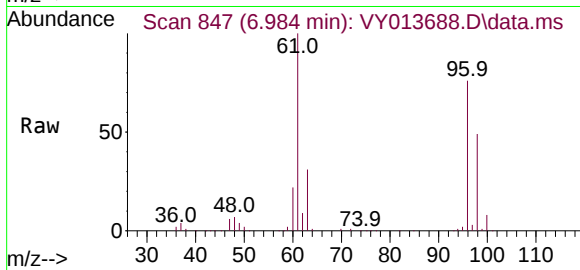




#27
 cis-1,2-Dichloroethene
 Concen: 155.716 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY013688.D
 Acq: 10 May 2023 15:20

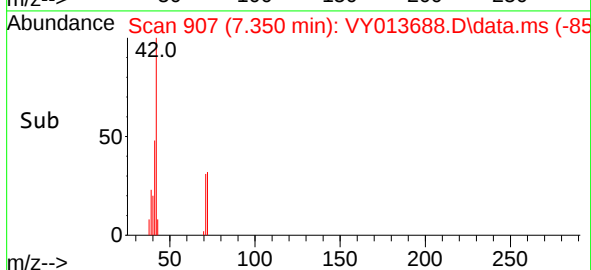
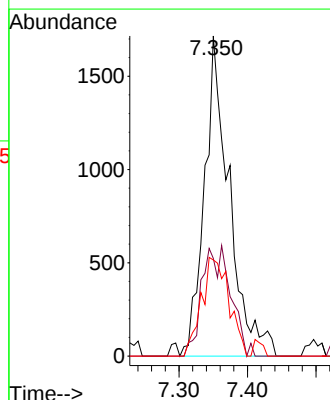
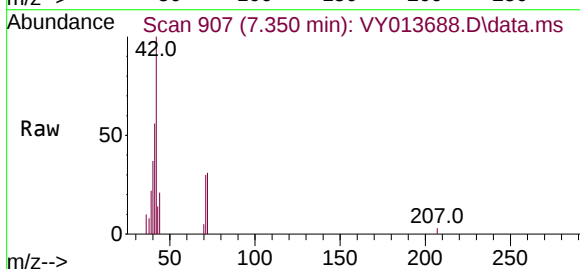
Instrument :
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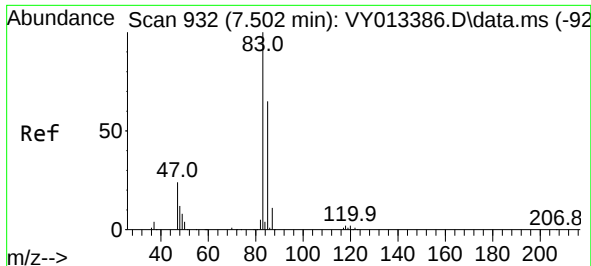
Tgt Ion: 96 Resp: 394392
 Ion Ratio Lower Upper
 96 100
 61 129.6 0.0 285.0
 98 64.4 0.0 130.6



#29
 Tetrahydrofuran
 Concen: 6.314 ug/l
 RT: 7.350 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY013688.D
 Acq: 10 May 2023 15:20

Tgt Ion: 42 Resp: 4341
 Ion Ratio Lower Upper
 42 100
 72 22.2 35.9 53.9#
 71 34.2 34.3 51.5#

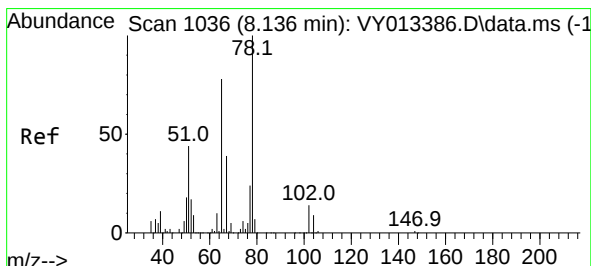
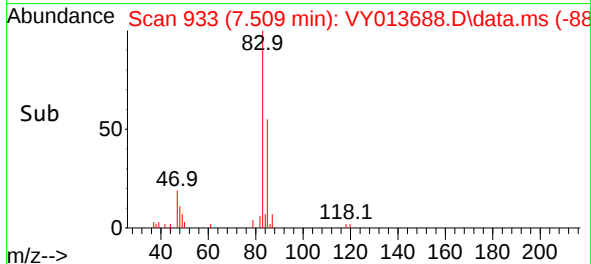
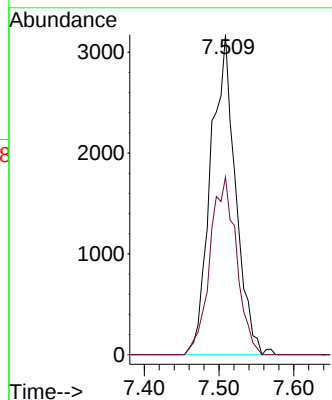
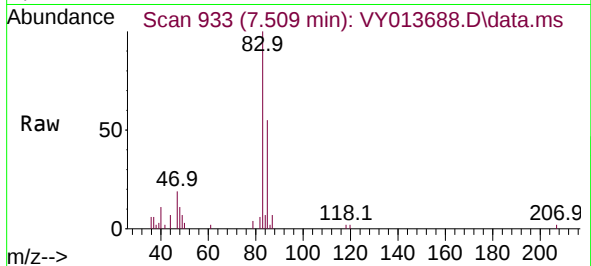




#30
Chloroform
Concen: 1.738 ug/l
RT: 7.509 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

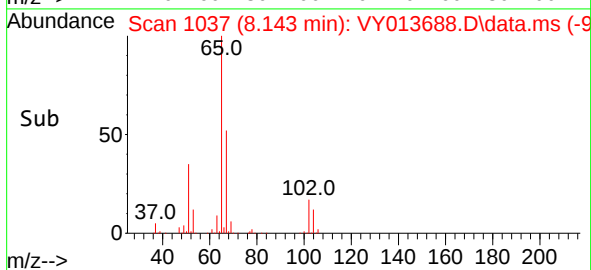
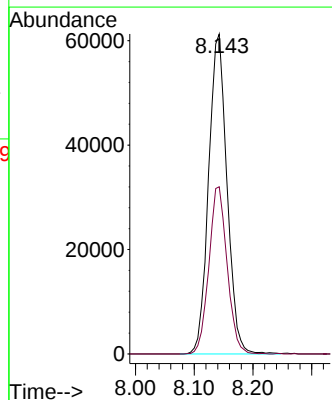
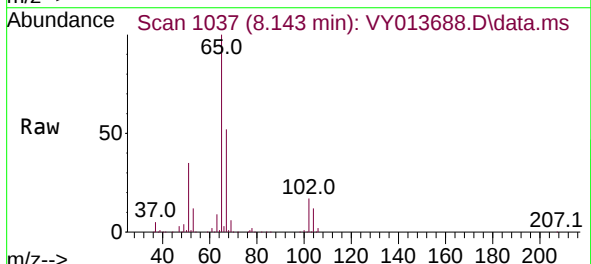
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ClientSampleId :
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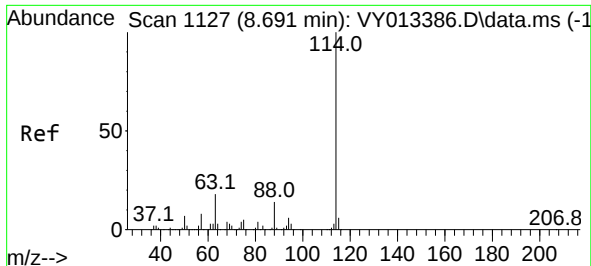
Tgt Ion: 83 Resp: 7324
Ion Ratio Lower Upper
83 100
85 55.5 52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 60.165 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

Tgt Ion: 65 Resp: 133052
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4

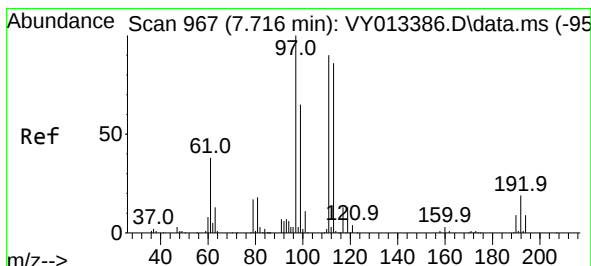
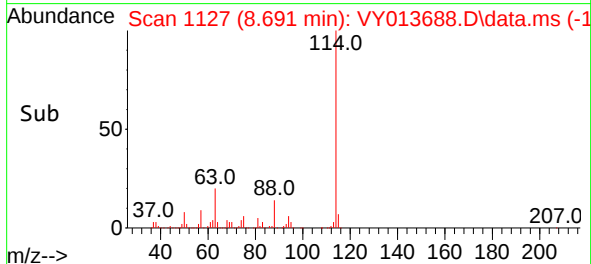
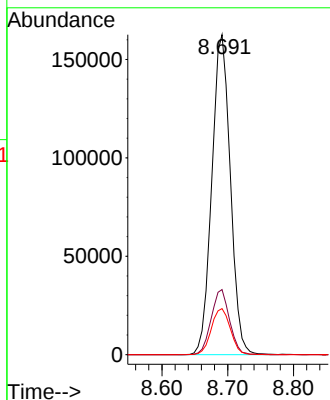
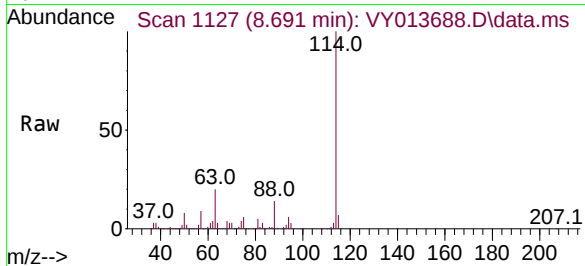




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

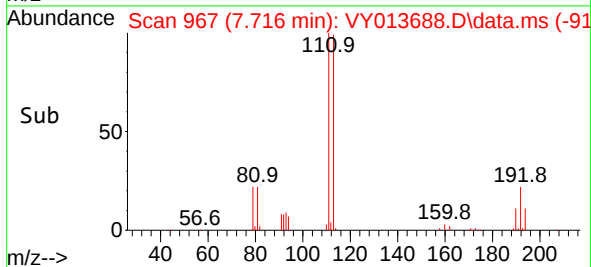
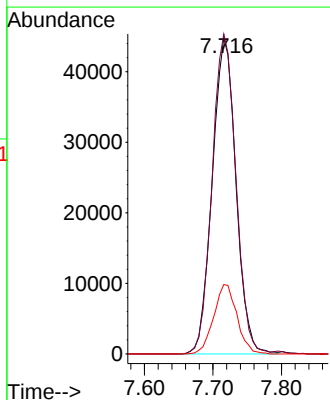
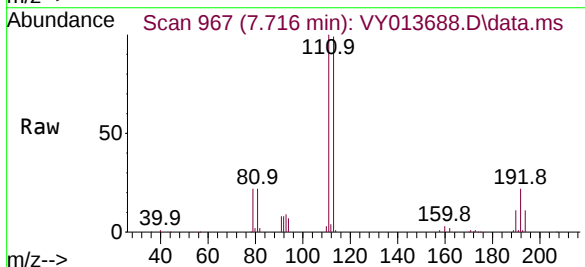
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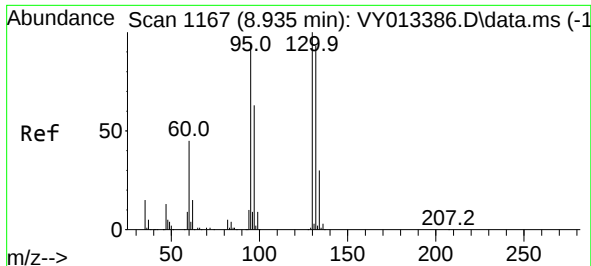
Tgt Ion:	114	Resp:	319004
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	36.6
88	14.4	0.0	28.8



#35
Dibromofluoromethane
Concen: 53.533 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

Tgt Ion:	113	Resp:	107409
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.2	123.2
192	21.6	16.7	25.1

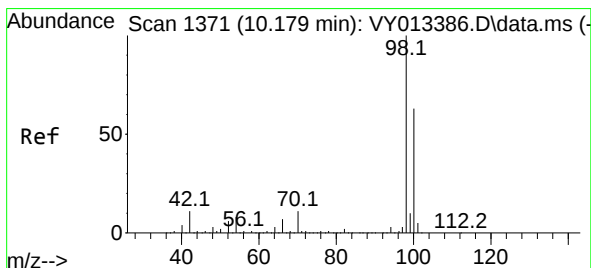
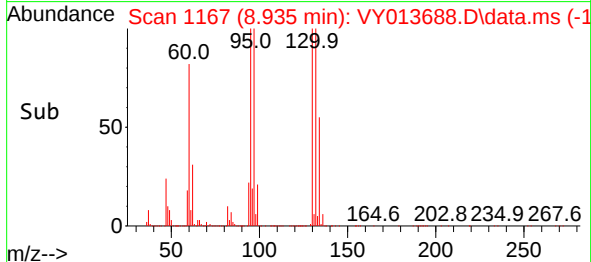
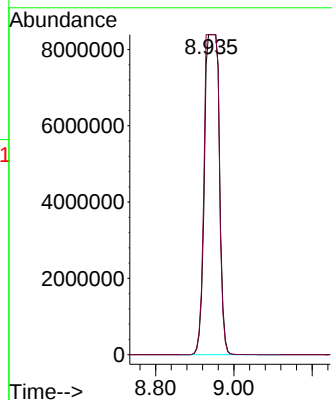
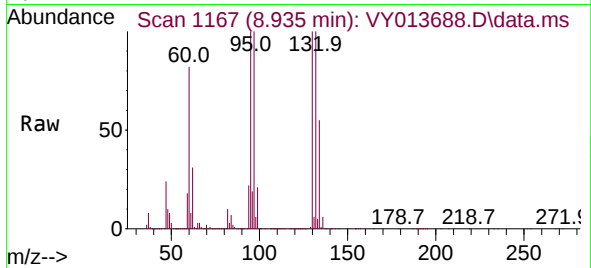




#44
Trichloroethene
Concen: 8752.362 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

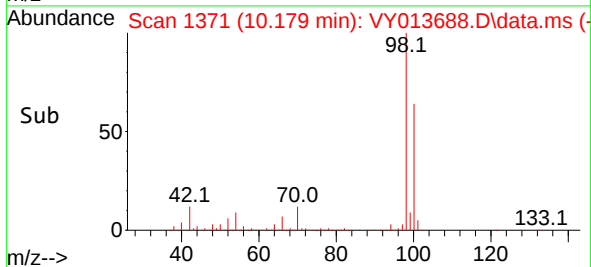
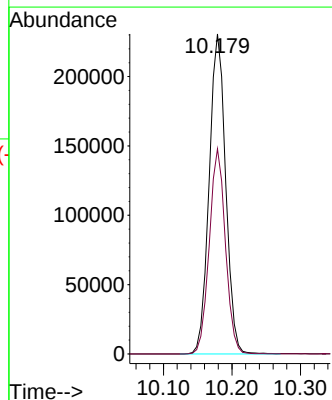
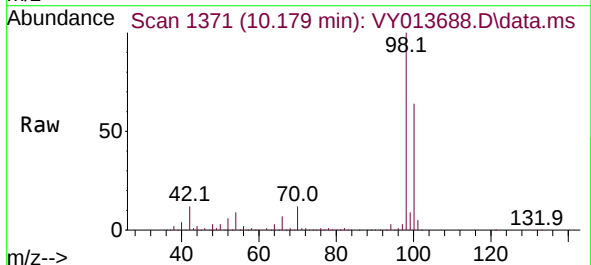
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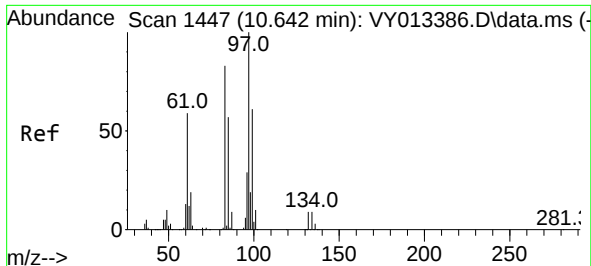
Tgt Ion:130 Resp:21837551
Ion Ratio Lower Upper
130 100
95 100.0 0.0 188.8



#50
Toluene-d8
Concen: 54.221 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

Tgt Ion: 98 Resp: 387002
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7

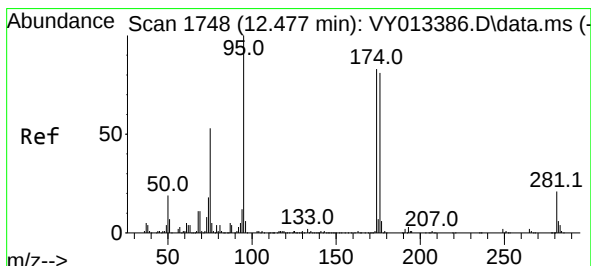
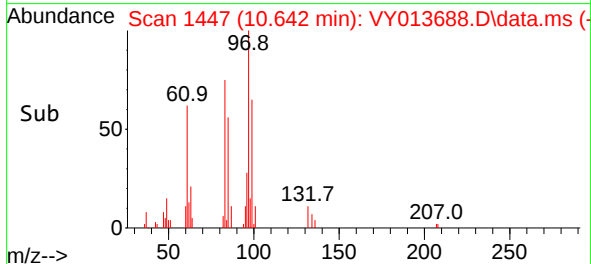
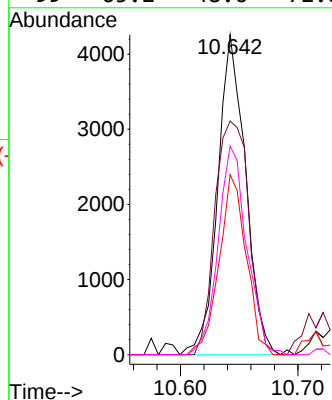
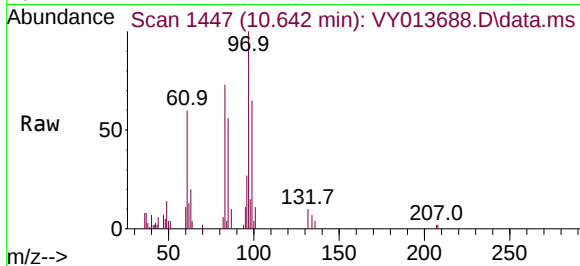




#55
1,1,2-Trichloroethane
Concen: 3.602 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

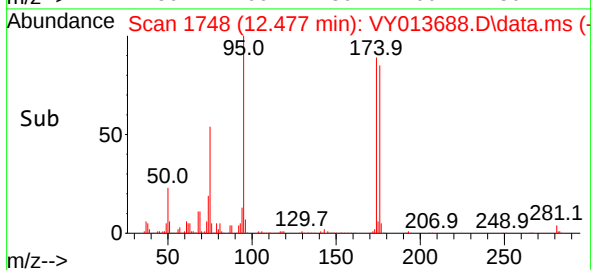
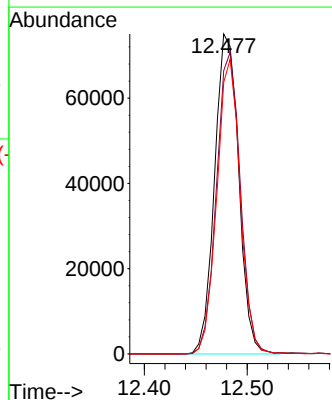
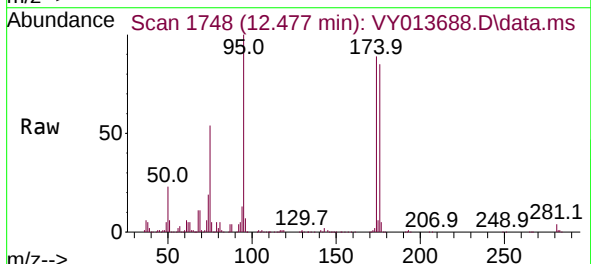
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-44.5-050923

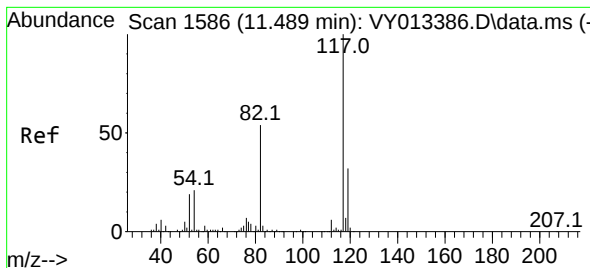
Tgt Ion: 97	Resp: 6999
Ion Ratio	Lower Upper
97 100	
83 73.0	66.4 99.6
85 56.2	45.6 68.4
99 65.2	48.6 72.8



#62
4-Bromofluorobenzene
Concen: 50.679 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013688.D
Acq: 10 May 2023 15:20

Tgt Ion: 95	Resp: 121947
Ion Ratio	Lower Upper
95 100	
174 93.5	0.0 182.0
176 89.3	0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013688.D

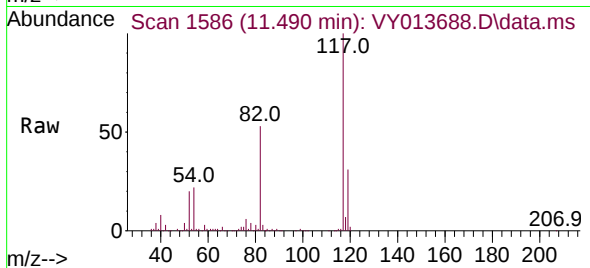
Acq: 10 May 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-44.5-050923



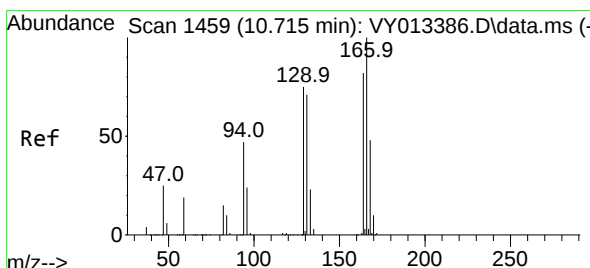
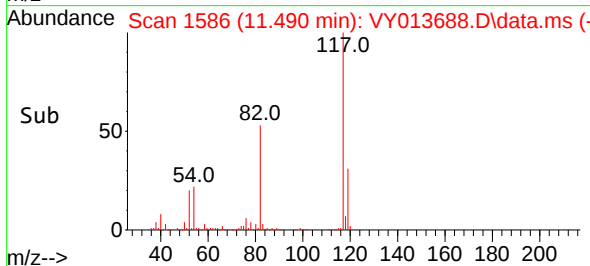
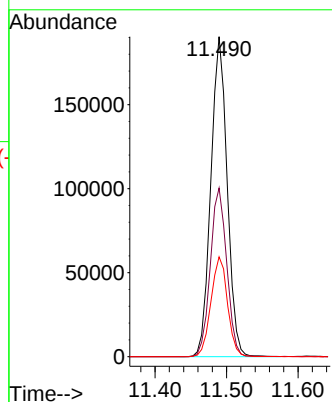
Tgt Ion:117 Resp: 301696

Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.6

119 31.2 25.5 38.3



#64

Tetrachloroethene

Concen: 15.763 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY013688.D

Acq: 10 May 2023 15:20

Tgt Ion:164 Resp: 36161

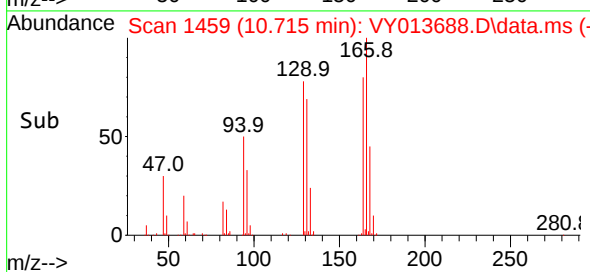
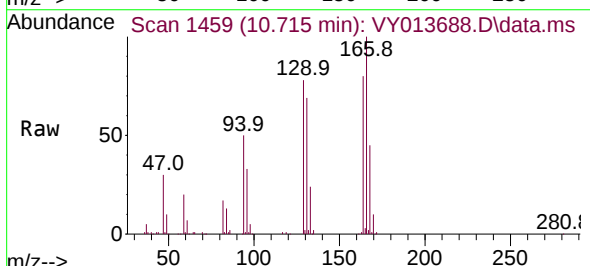
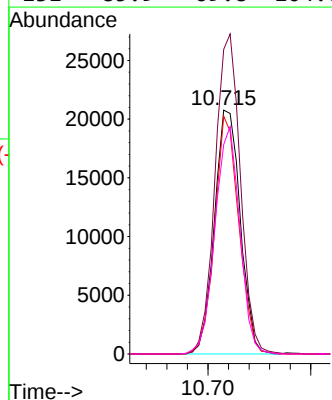
Ion Ratio Lower Upper

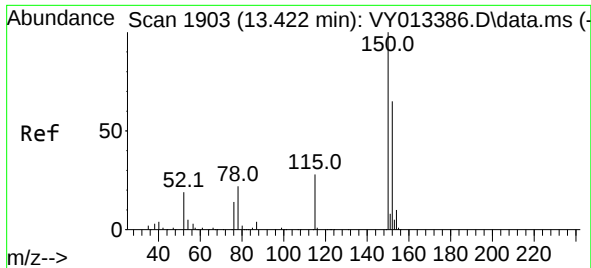
164 100

166 124.9 97.5 146.3

129 97.5 72.6 109.0

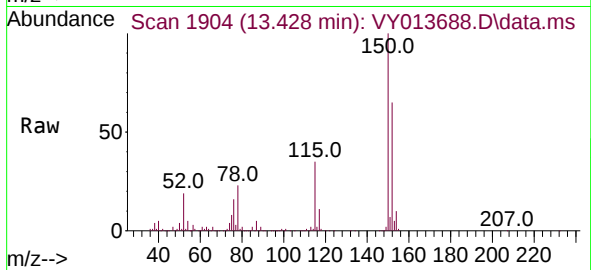
131 85.9 69.8 104.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY013688.D
 Acq: 10 May 2023 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-44.5-050923



Tgt Ion:152 Resp: 135282
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.1 84.2
 150 158.0 0.0 352.0

