

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012048.D
 Acq On : 03 Jan 2023 15:45
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 04 01:19:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

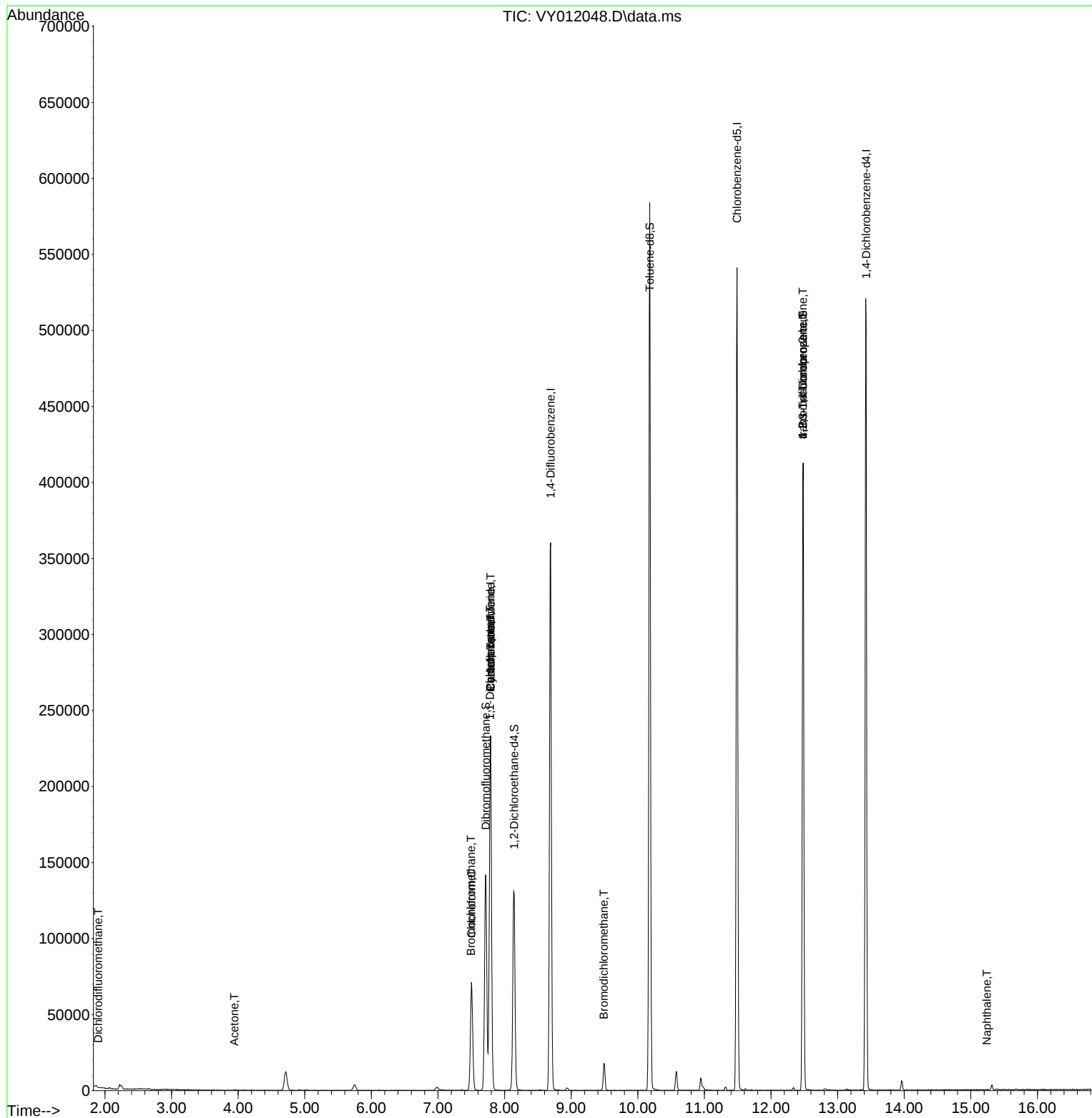
Internal Standards						
1) Pentafluorobenzene	7.789	168	180865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	317130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110578	60.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.360%	
35) Dibromofluoromethane	7.716	113	96963	50.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.580%	
50) Toluene-d8	10.179	98	380831	49.164	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	12.477	95	124450	47.770	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	83	2.522	ug/l #	41
11) Tert butyl alcohol	4.960	59	51	Below Cal	#	74
16) Acetone	3.942	43	481	5.741	ug/l	96
20) Methylene Chloride	4.716	84	9660	Below Cal		92
28) Bromochloromethane	7.496	49	5147	5.814	ug/l #	10
30) Chloroform	7.502	83	68053	19.571	ug/l	92
31) Cyclohexane	7.789	56	3335	1.087	ug/l #	8
36) 1,1-Dichloropropene	7.783	75	12817	4.185	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18235	5.156	ug/l #	18
47) Bromodichloromethane	9.490	83	11978	4.048	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	66132	38.586	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66132	105.667	ug/l #	13
95) Naphthalene	15.239	128	238	2.823	ug/l #	69

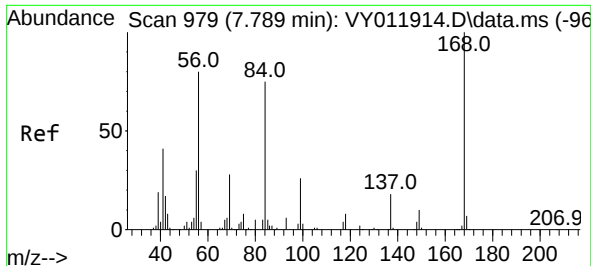
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 04 01:19:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
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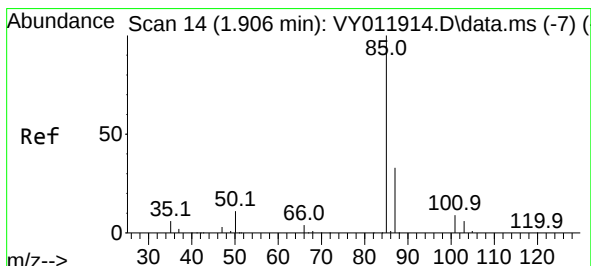
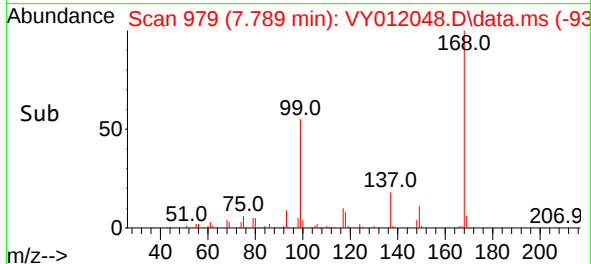
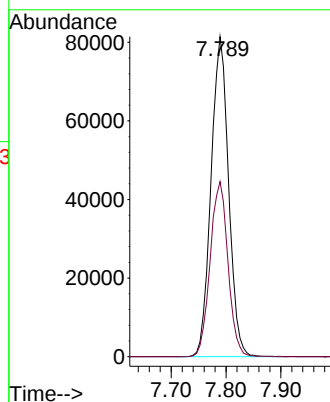
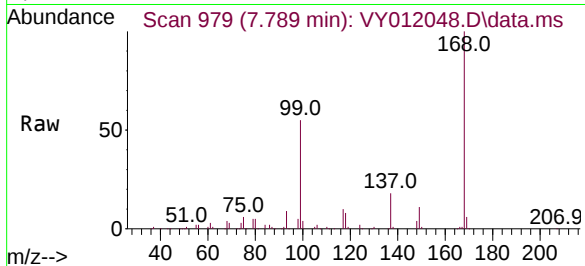




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

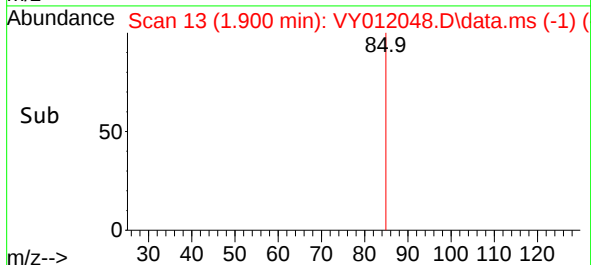
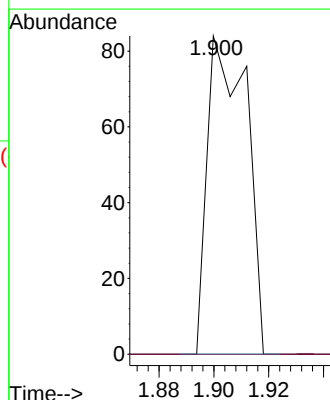
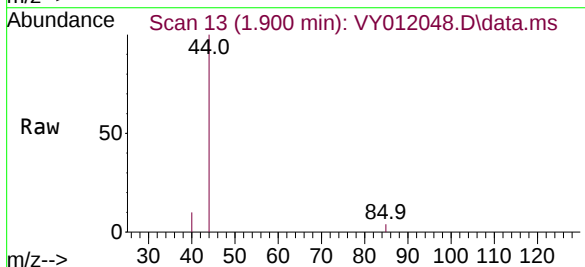
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

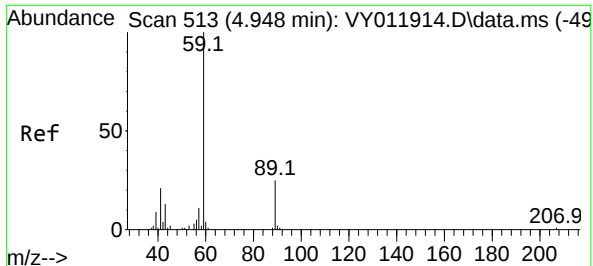
Tgt Ion:168 Resp: 180865
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.522 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 85 Resp: 83
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

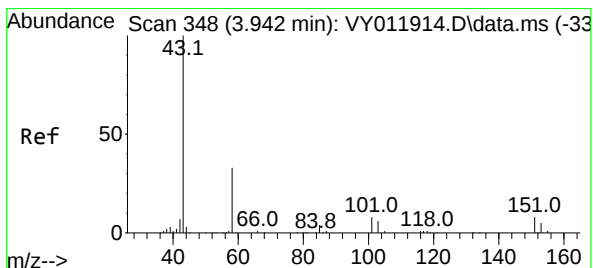
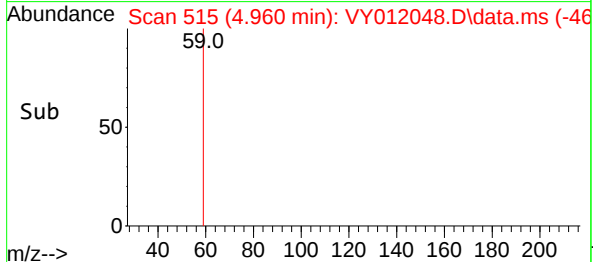
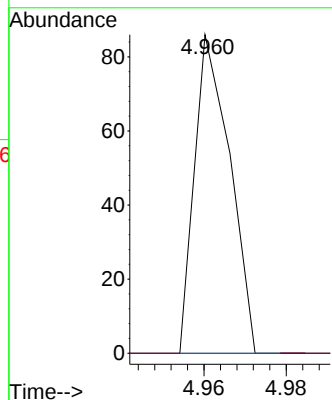
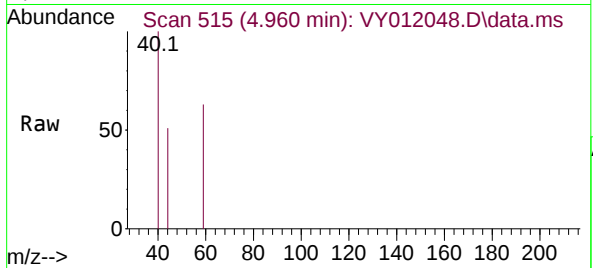




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

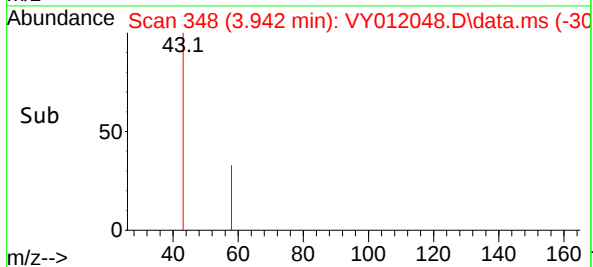
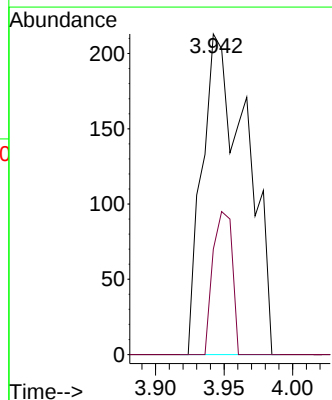
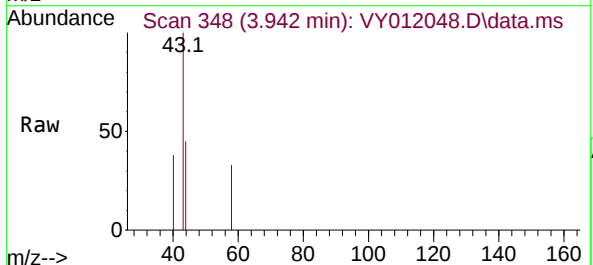
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

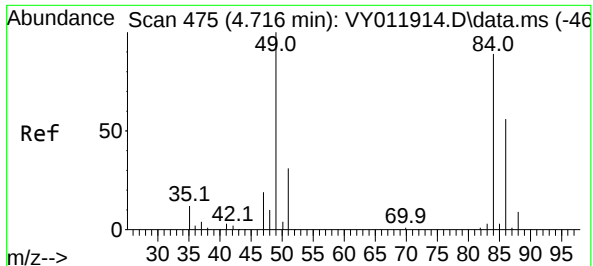
Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.741 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
58 32.9 27.9 41.9

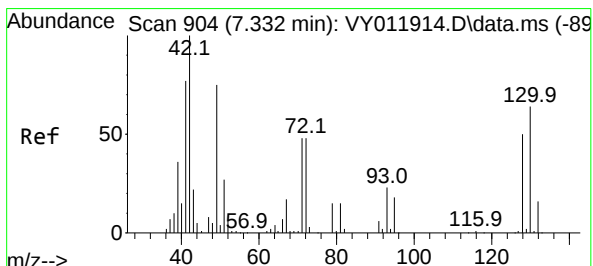
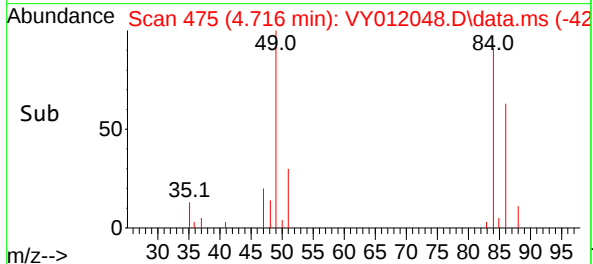
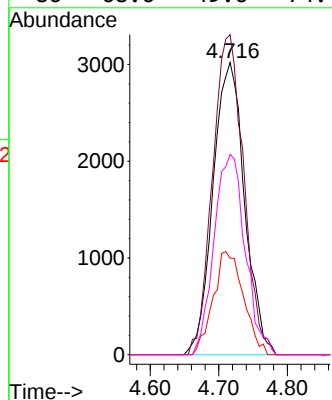
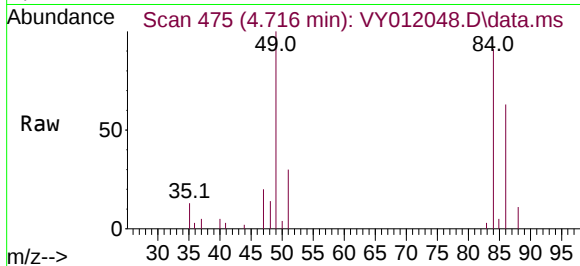




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

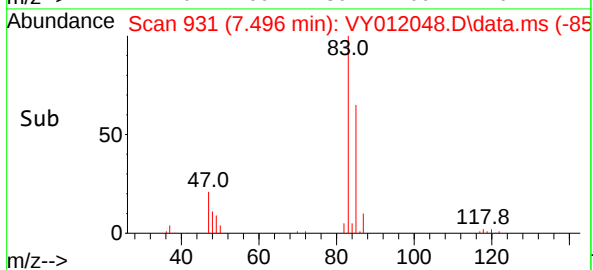
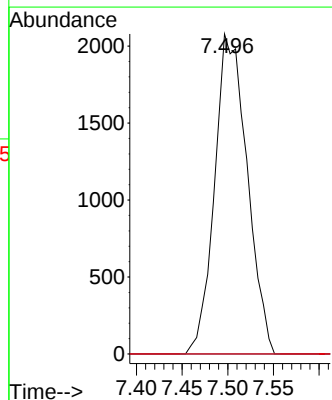
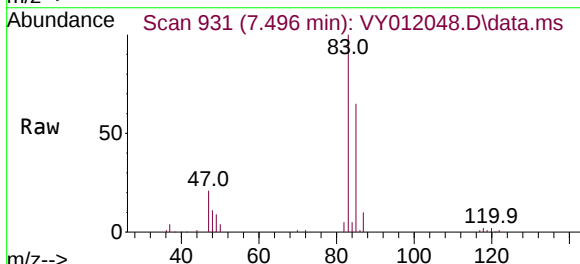
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

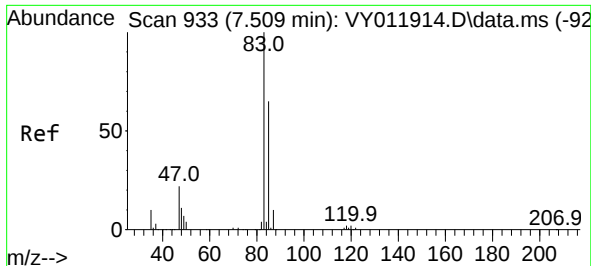
Tgt Ion: 84	Resp: 9660
Ion Ratio	Lower Upper
84 100	
49 109.5	95.4 143.2
51 33.0	29.9 44.9
86 68.6	49.6 74.4



#28
Bromochloromethane
Concen: 5.814 ug/l
RT: 7.496 min Scan# 931
Delta R.T. 0.165 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 49	Resp: 5147
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.6
130 0.0	66.7 100.1#

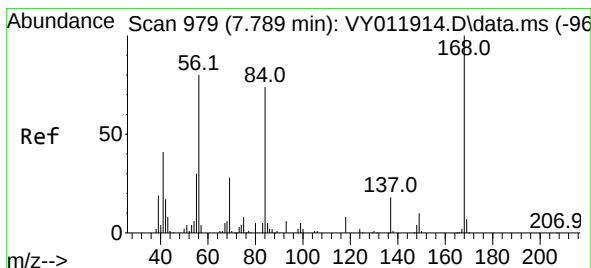
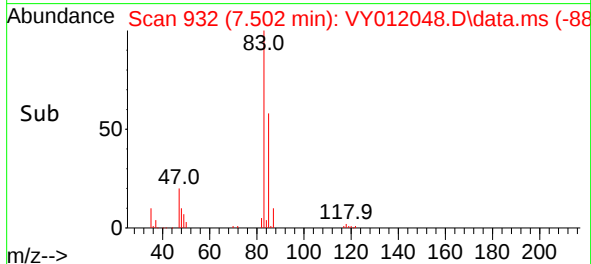
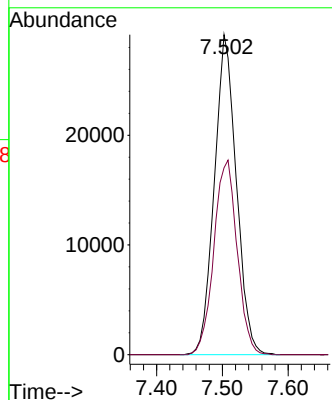
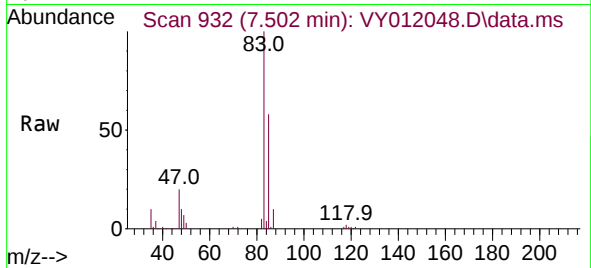




#30
Chloroform
Concen: 19.571 ug/l
RT: 7.502 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

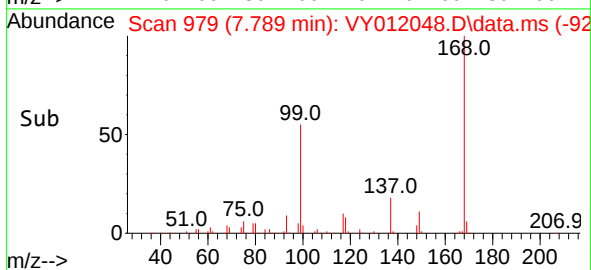
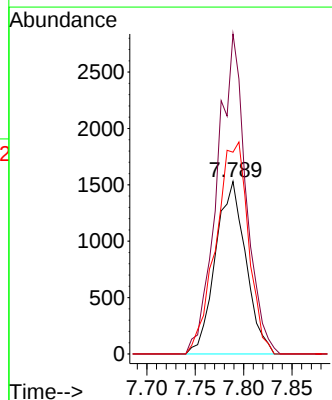
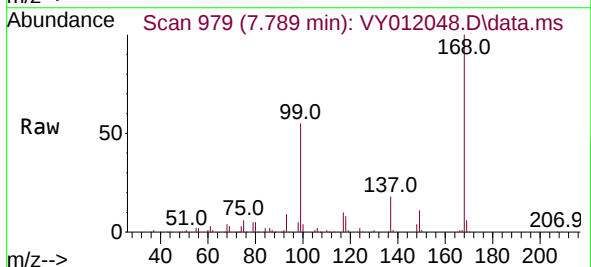
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

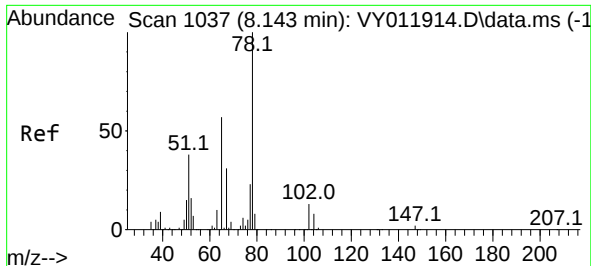
Tgt Ion: 83 Resp: 68053
Ion Ratio Lower Upper
83 100
85 58.4 51.5 77.3



#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 56 Resp: 3335
Ion Ratio Lower Upper
56 100
69 185.5 29.2 43.8#
84 117.0 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 60.685 ug/l

RT: 8.143 min Scan# 110578

Delta R.T. -0.000 min

Lab File: VY012048.D

Acq: 03 Jan 2023 15:45

Instrument :

MSVOA_Y

ClientSampleId :

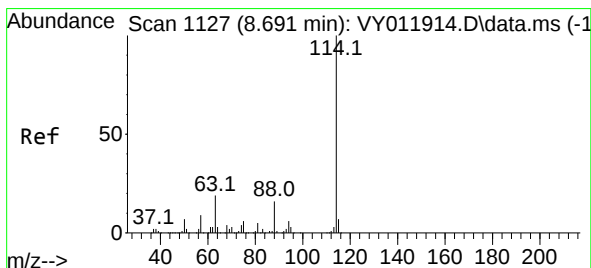
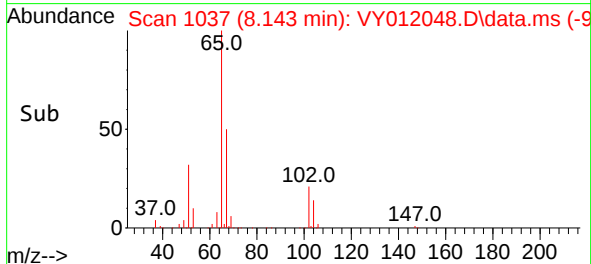
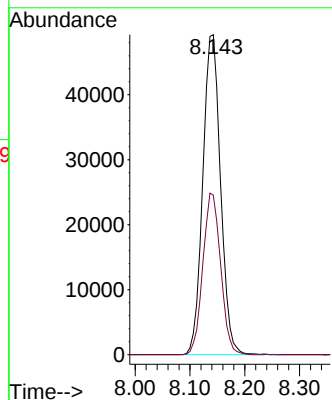
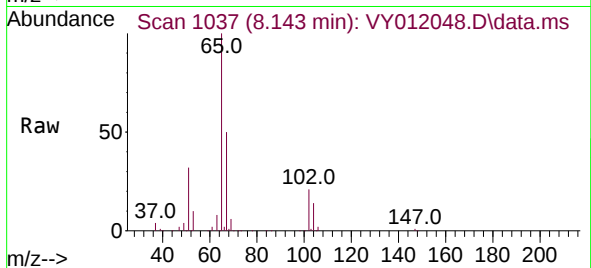
VIBLK

Tgt Ion: 65 Resp: 110578

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012048.D

Acq: 03 Jan 2023 15:45

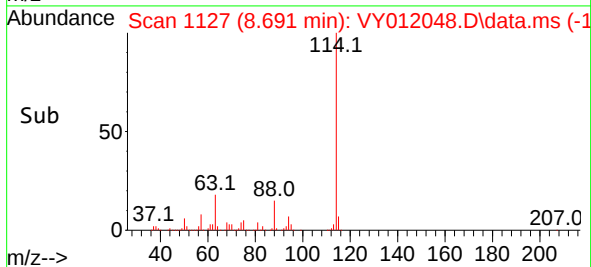
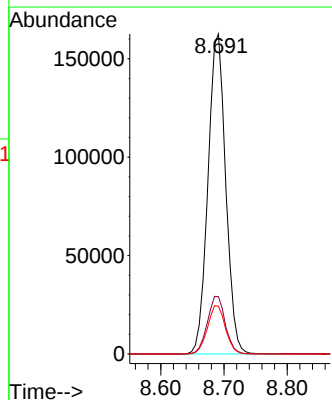
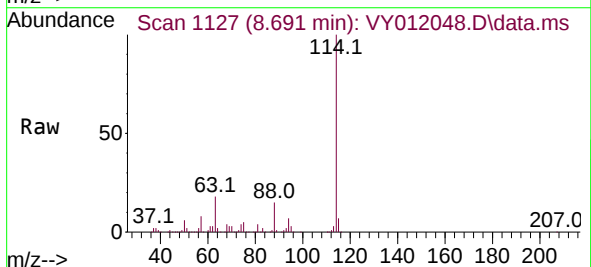
Tgt Ion: 114 Resp: 317130

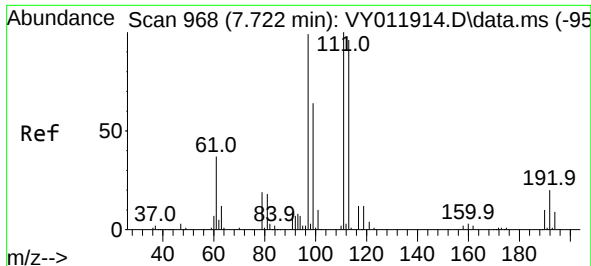
Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

88 14.9 0.0 32.2

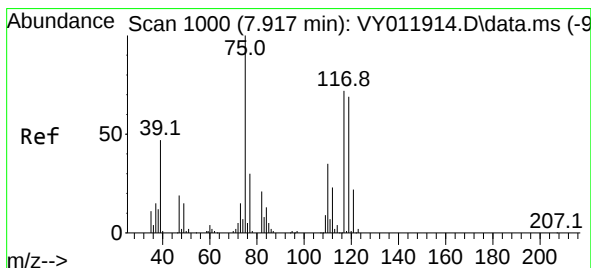
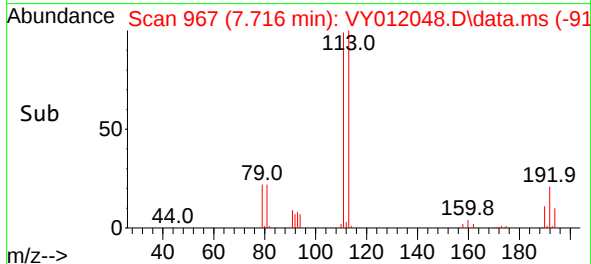
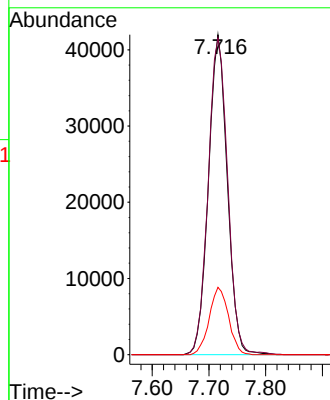
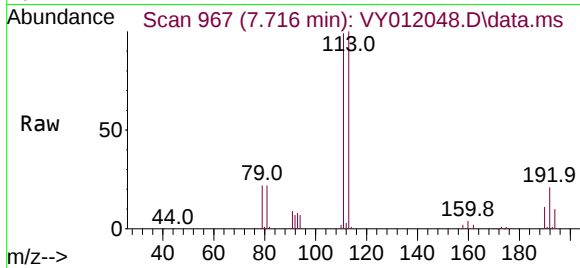




#35
Dibromofluoromethane
Concen: 50.787 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

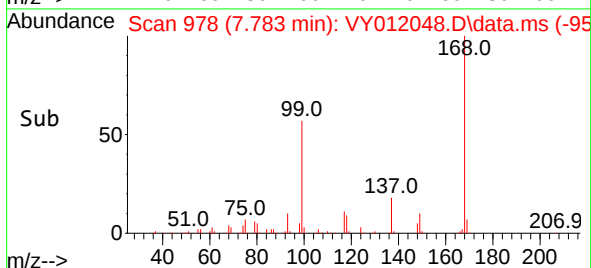
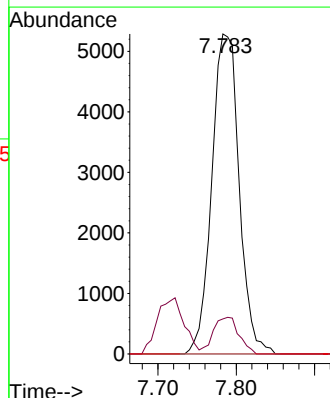
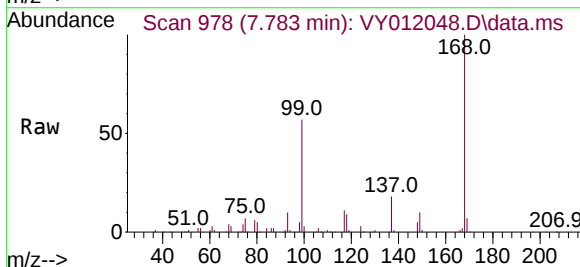
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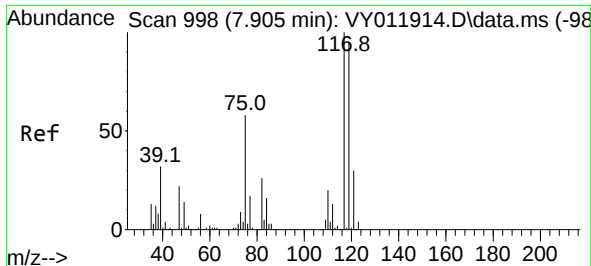
Tgt Ion:113 Resp: 96963
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.185 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 75 Resp: 12817
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.1#
77 0.0 25.1 37.7#

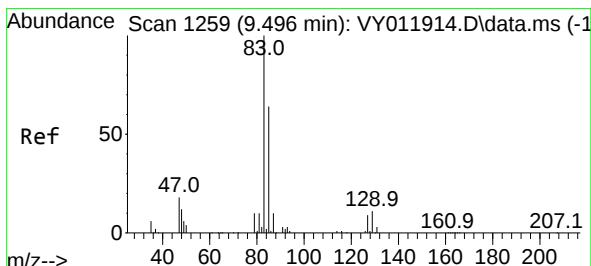
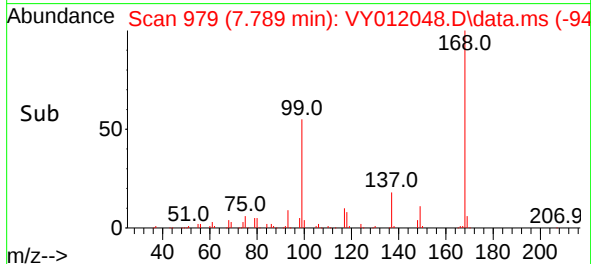
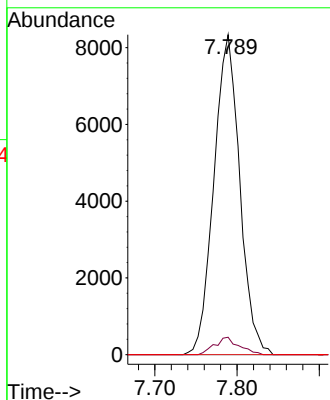
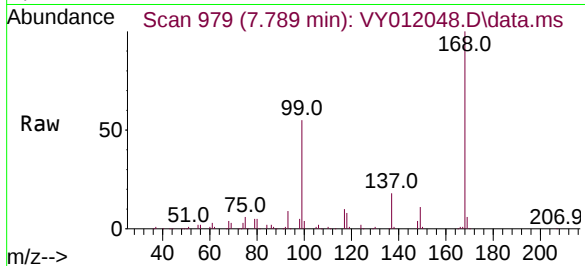




#38
Carbon Tetrachloride
Concen: 5.156 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

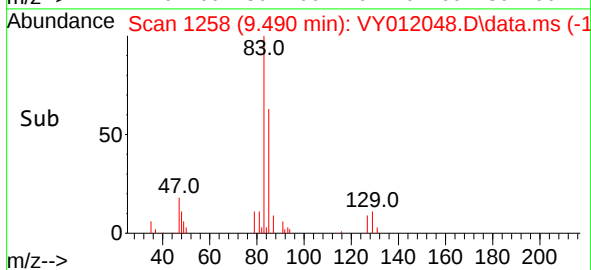
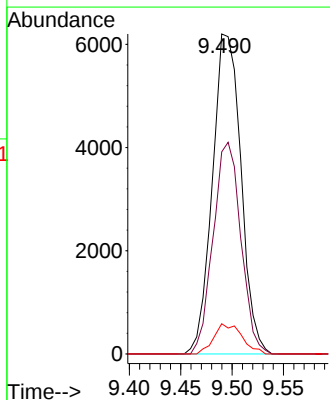
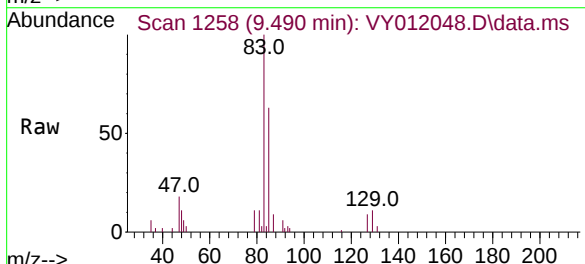
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

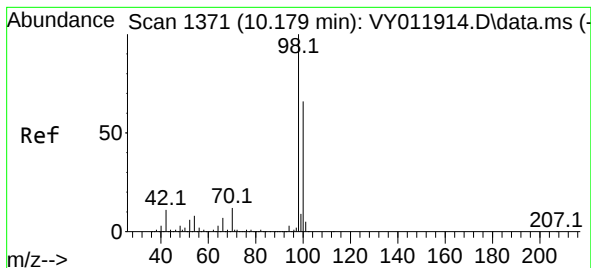
Tgt Ion:117 Resp: 18235
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.8#
121 0.0 25.2 37.8#



#47
Bromodichloromethane
Concen: 4.048 ug/l
RT: 9.490 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 83 Resp: 11978
Ion Ratio Lower Upper
83 100
85 63.1 52.0 78.0
127 9.5 7.3 10.9

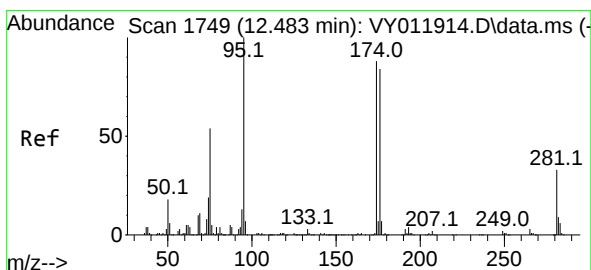
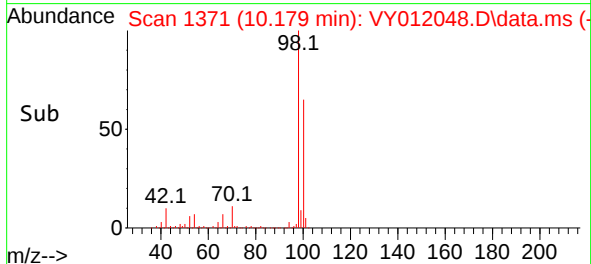
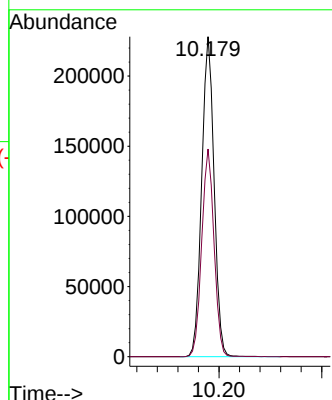
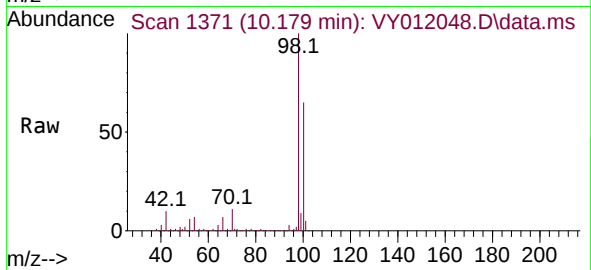




#50
Toluene-d8
Concen: 49.164 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

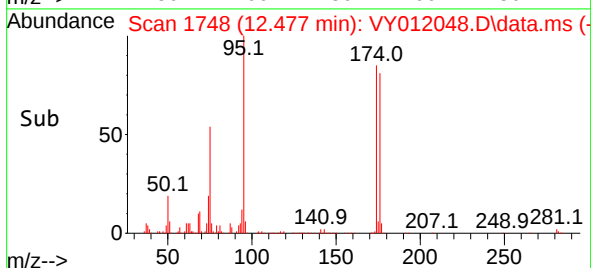
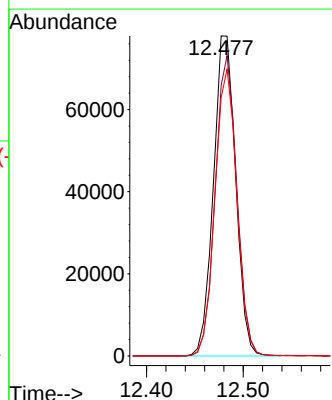
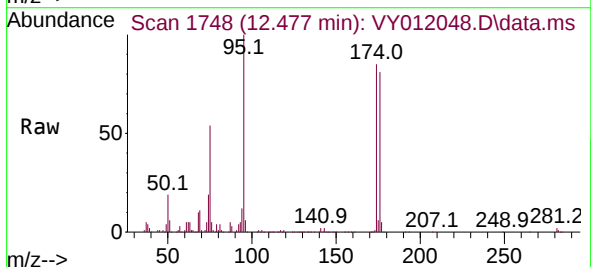
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

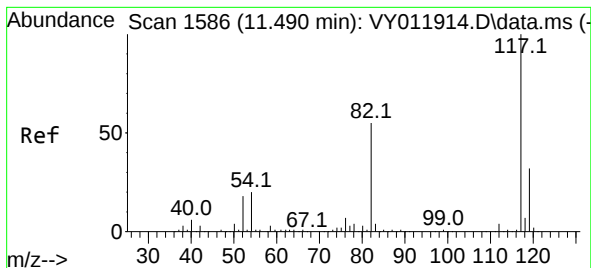
Tgt Ion: 98 Resp: 380831
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.770 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Tgt Ion: 95 Resp: 124450
Ion Ratio Lower Upper
95 100
174 91.3 0.0 172.0
176 88.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012048.D

Acq: 03 Jan 2023 15:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

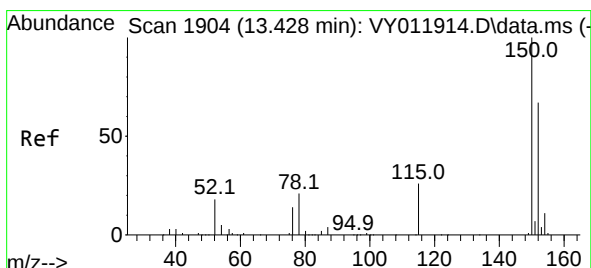
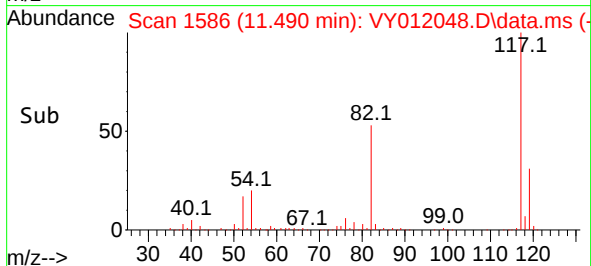
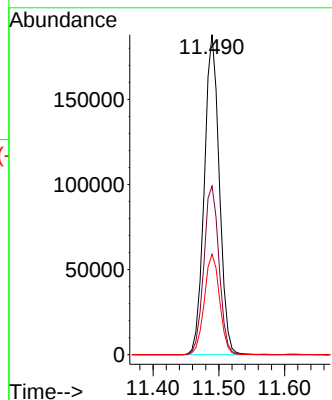
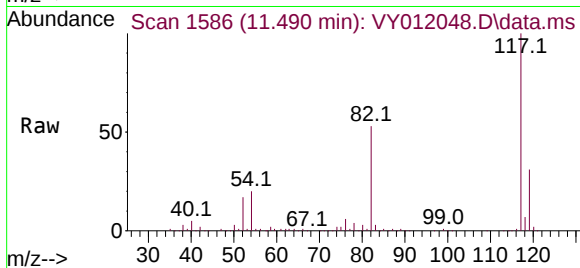
Tgt Ion:117 Resp: 298193

Ion Ratio Lower Upper

117 100

82 52.7 44.8 67.2

119 31.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012048.D

Acq: 03 Jan 2023 15:45

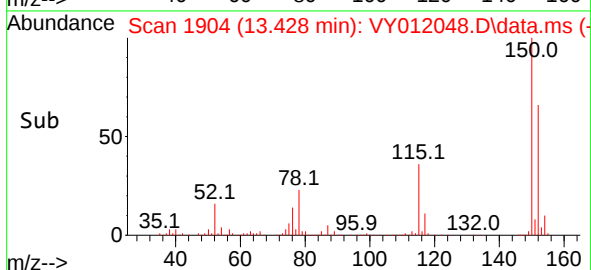
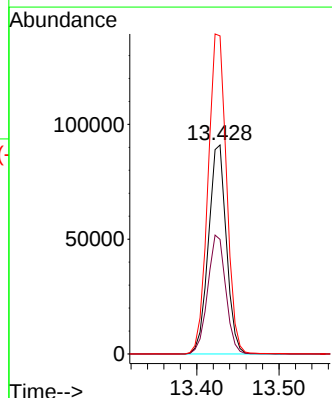
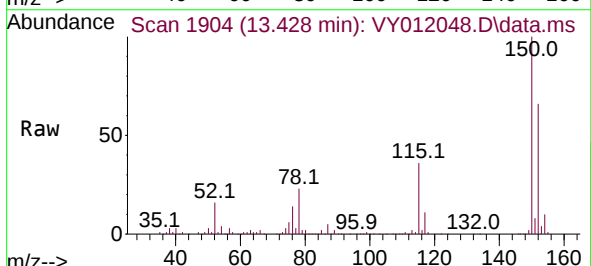
Tgt Ion:152 Resp: 137736

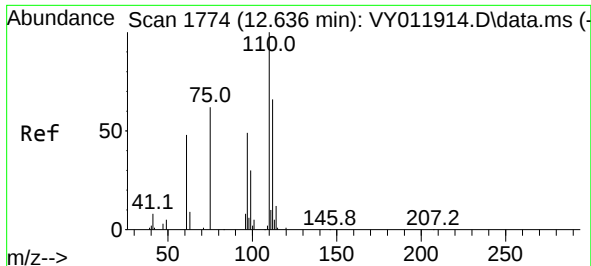
Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.3

150 158.2 0.0 342.6

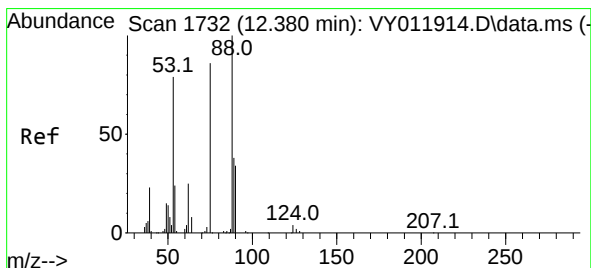
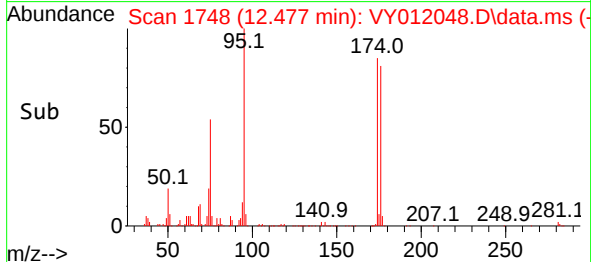
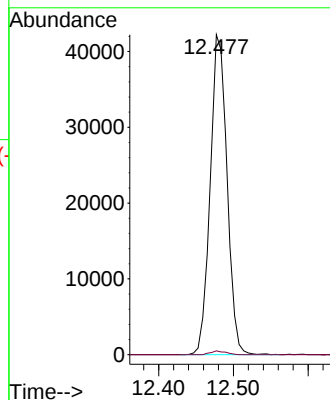
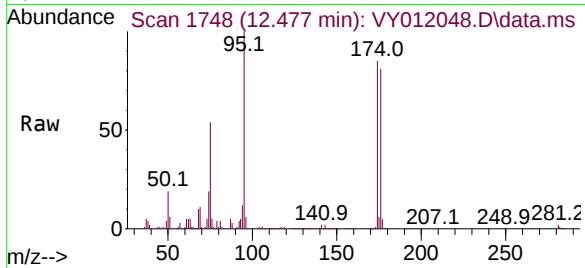




#76
1,2,3-Trichloropropane
Concen: 38.586 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

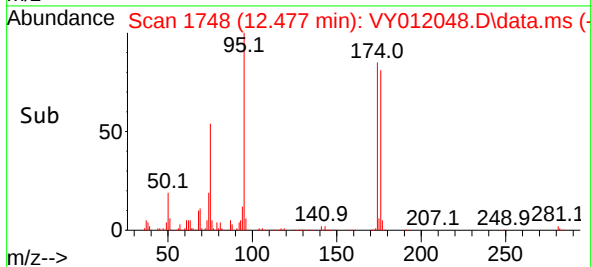
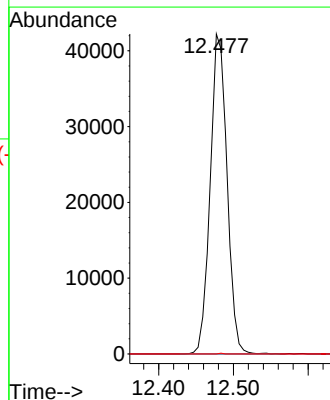
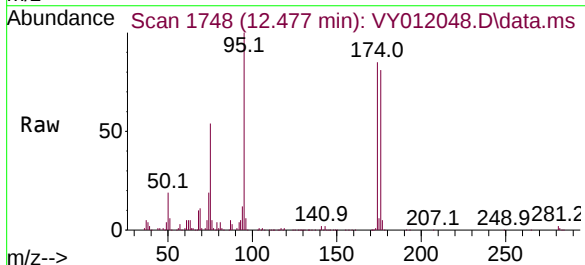
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

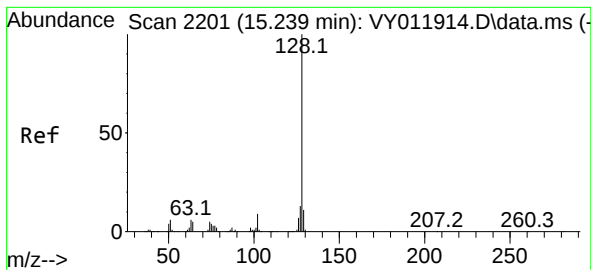
Tgt Ion: 75 Resp: 66132
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.667 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

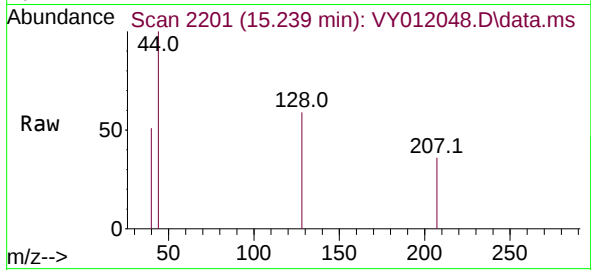
Tgt Ion: 75 Resp: 66132
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 2.823 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY012048.D
Acq: 03 Jan 2023 15:45

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



Tgt Ion:128 Resp: 238
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

