

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014358.D
 Acq On : 22 Jun 2023 01:04
 Operator : KP/MD
 Sample : 03358-09
 Misc : 3.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6-(24-28)

Quant Time: Jun 22 02:01:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

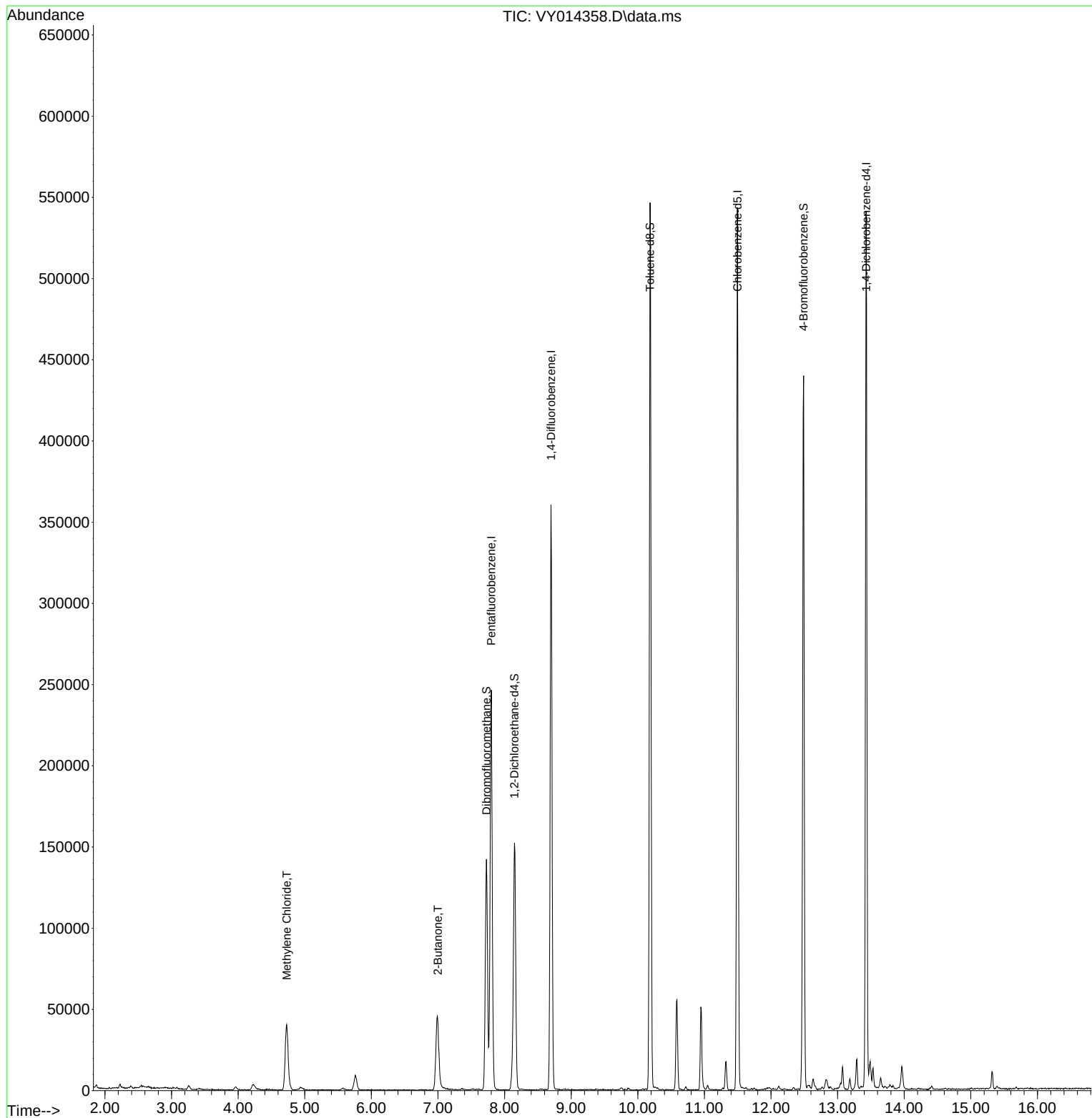
Internal Standards						
1) Pentafluorobenzene	7.801	168	188395	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	295876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	282283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	125904	47.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.980%
35) Dibromofluoromethane	7.728	113	95836	45.673	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.340%
50) Toluene-d8	10.185	98	356000	45.381	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.760%
62) 4-Bromofluorobenzene	12.489	95	115730	41.530	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.060%
Target Compounds						Qvalue
20) Methylene Chloride	4.729	84	29853	8.876	ug/l	89
25) 2-Butanone	6.996	43	6881	7.069	ug/l	98

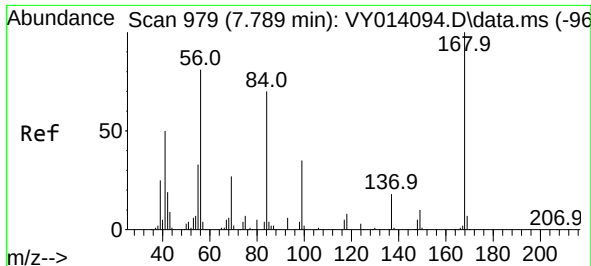
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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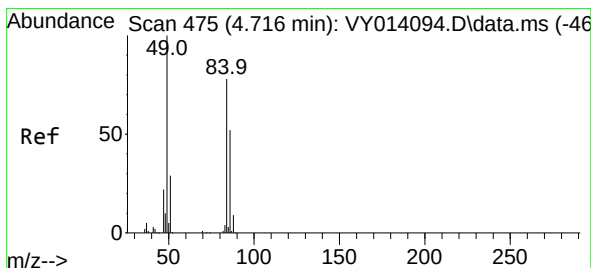
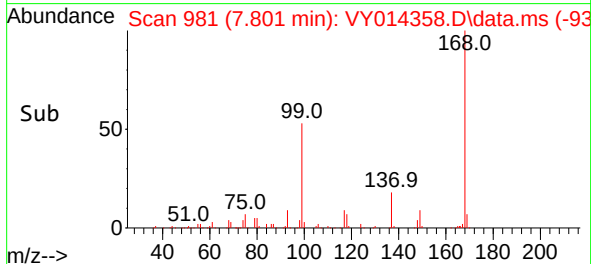
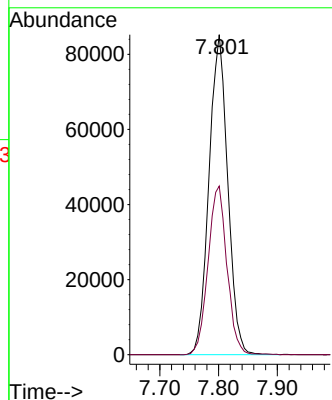
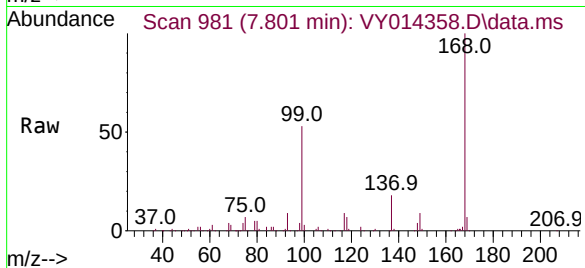




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014358.D
Acq: 22 Jun 2023 01:04

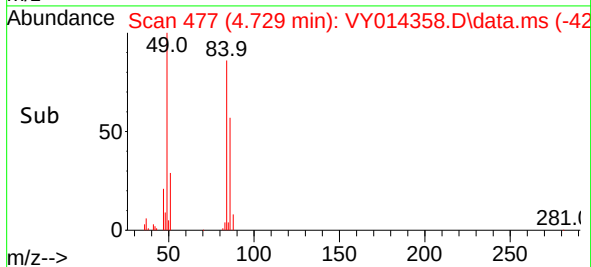
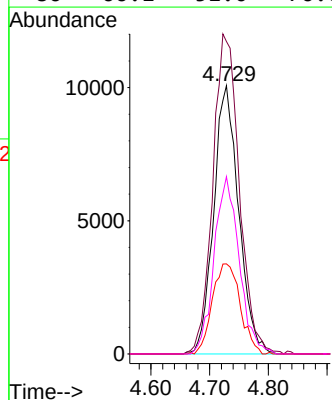
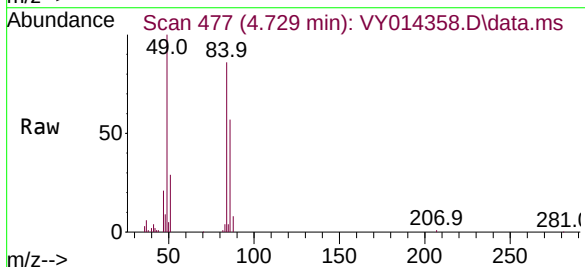
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(24-28)

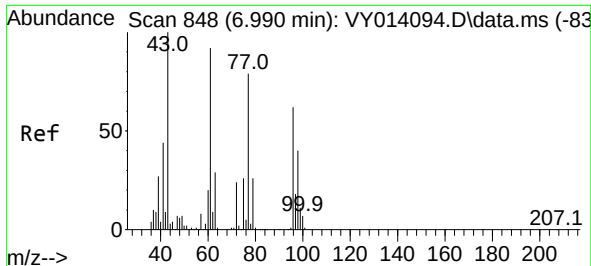
Tgt Ion:168 Resp: 188395
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#20
Methylene Chloride
Concen: 8.876 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY014358.D
Acq: 22 Jun 2023 01:04

Tgt Ion: 84 Resp: 29853
Ion Ratio Lower Upper
84 100
49 116.4 106.9 160.3
51 33.6 33.2 49.8
86 66.1 51.0 76.6





#25

2-Butanone

Concen: 7.069 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014358.D

Acq: 22 Jun 2023 01:04

Instrument :

MSVOA_Y

ClientSampleId :

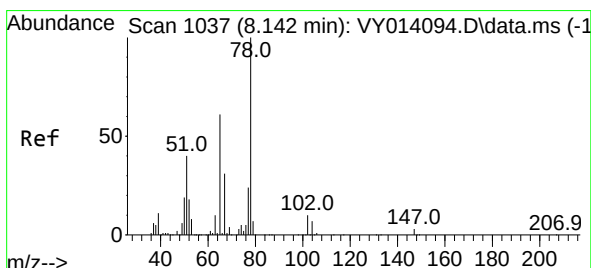
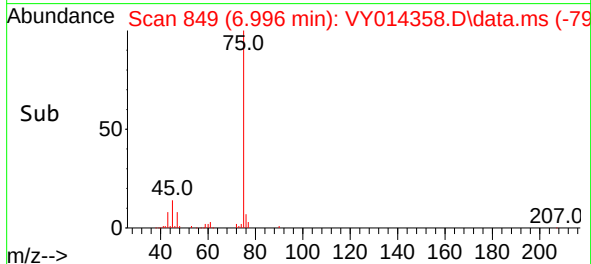
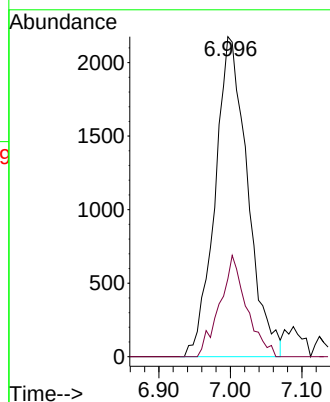
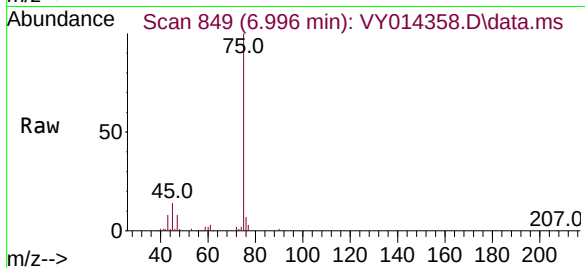
SB-6-(24-28)

Tgt Ion: 43 Resp: 6881

Ion Ratio Lower Upper

43 100

72 24.4 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 47.992 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.007 min

Lab File: VY014358.D

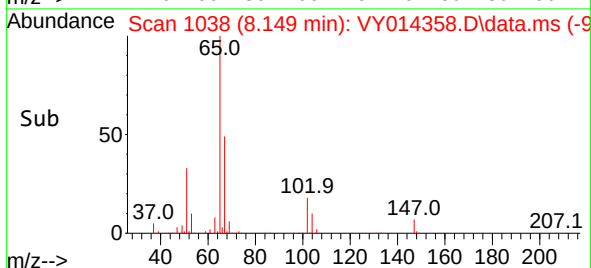
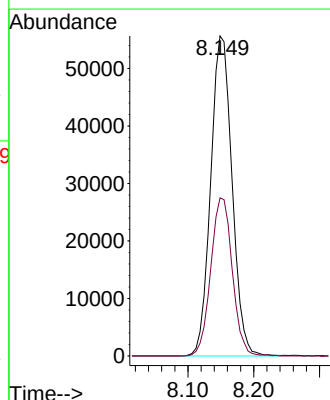
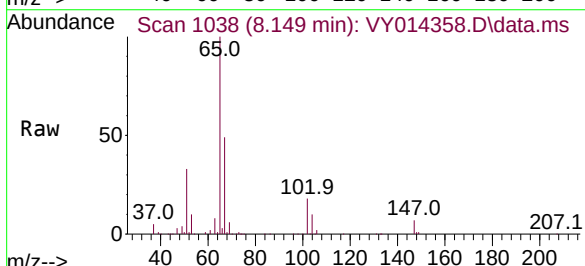
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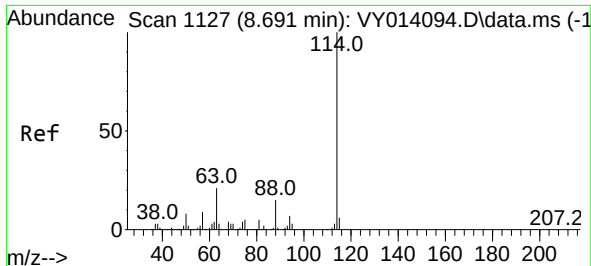
Tgt Ion: 65 Resp: 125904

Ion Ratio Lower Upper

65 100

67 49.8 0.0 101.8

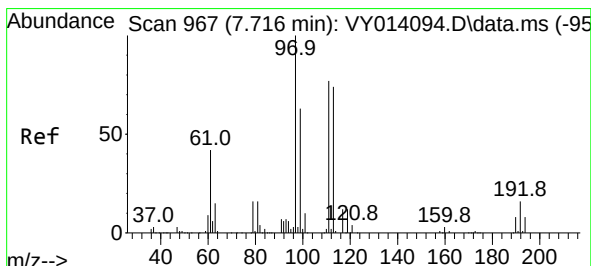
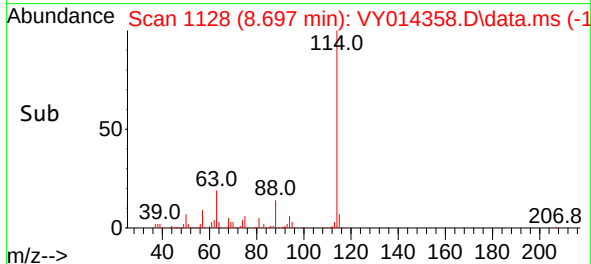
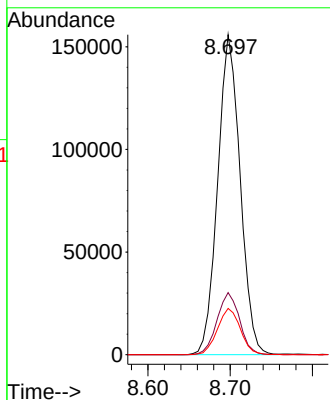
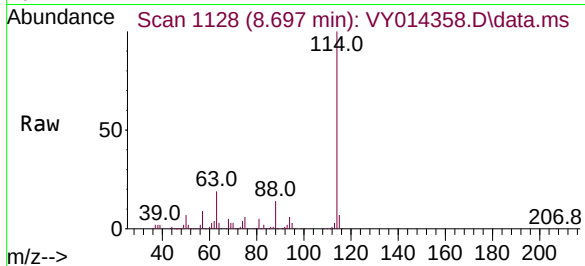




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014358.D
Acq: 22 Jun 2023 01:04

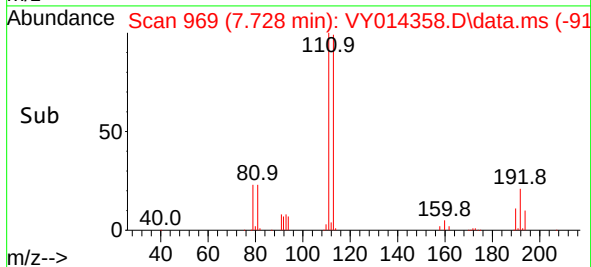
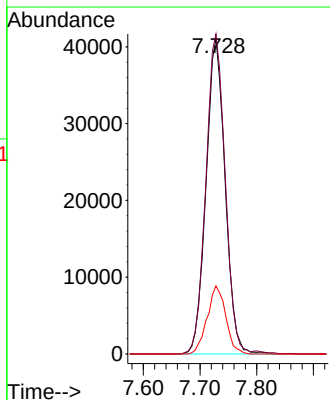
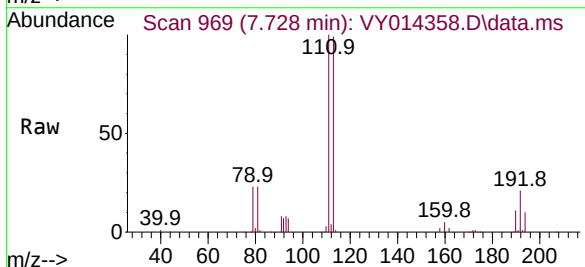
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(24-28)

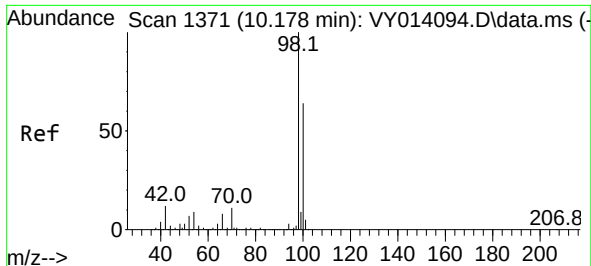
Tgt Ion:114 Resp: 295876
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.673 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014358.D
Acq: 22 Jun 2023 01:04

Tgt Ion:113 Resp: 95836
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 21.0 16.9 25.3

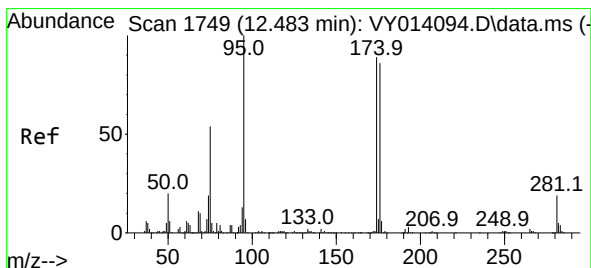
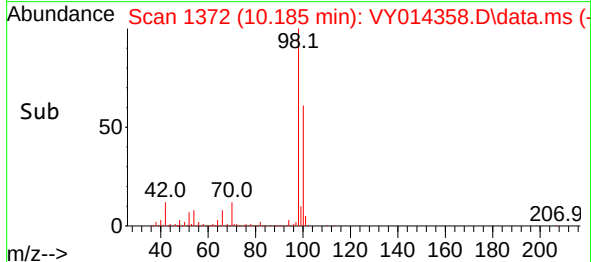
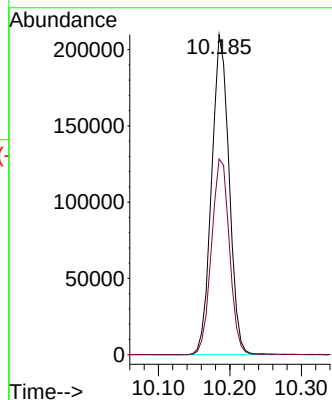
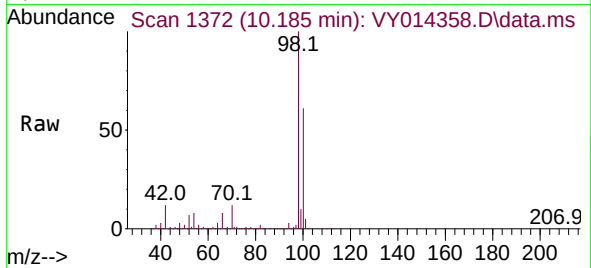




#50
Toluene-d8
Concen: 45.381 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014358.D
Acq: 22 Jun 2023 01:04

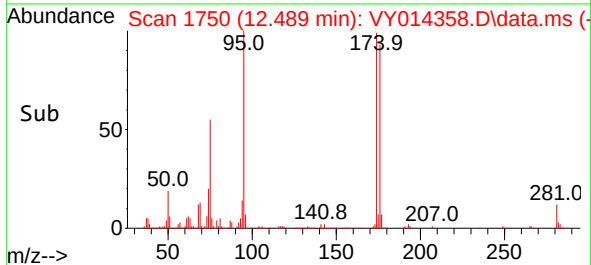
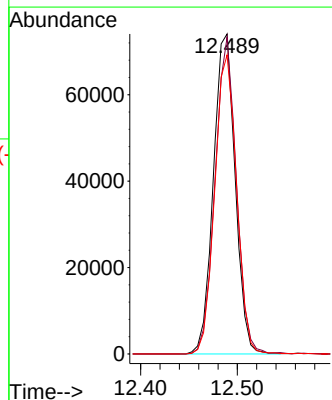
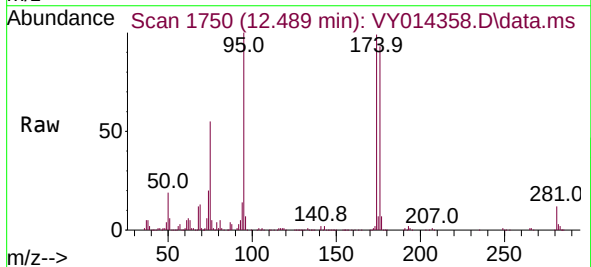
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(24-28)

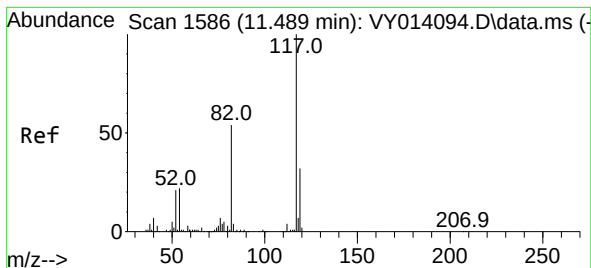
Tgt Ion: 98 Resp: 356000
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.530 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014358.D
Acq: 22 Jun 2023 01:04

Tgt Ion: 95 Resp: 115730
Ion Ratio Lower Upper
95 100
174 96.5 0.0 178.2
176 93.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014358.D

Acq: 22 Jun 2023 01:04

Instrument :

MSVOA_Y

ClientSampleId :

SB-6-(24-28)

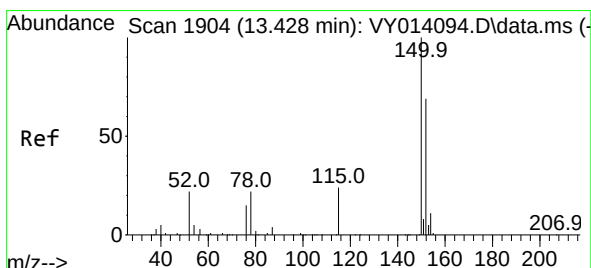
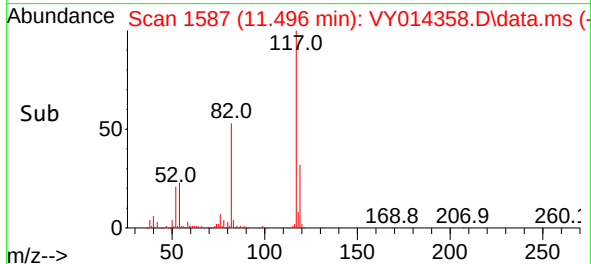
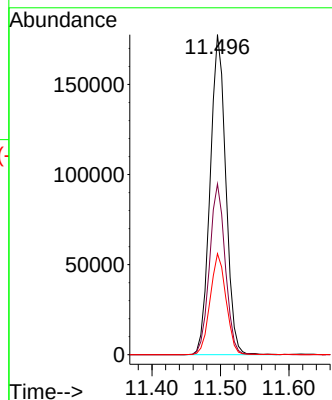
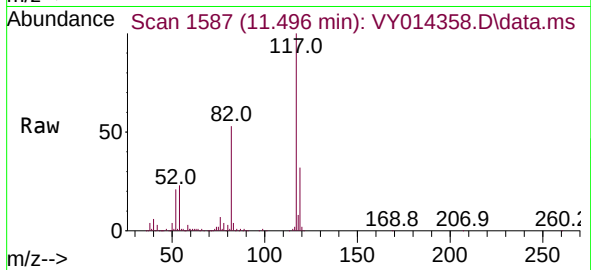
Tgt Ion:117 Resp: 282283

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014358.D

Acq: 22 Jun 2023 01:04

Tgt Ion:152 Resp: 137965

Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 156.3 0.0 348.8

