

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014393.D
 Acq On : 22 Jun 2023 20:43
 Operator : KP/MD
 Sample : 03362-12RE
 Misc : 13.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

Quant Time: Jun 23 05:01:57 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)

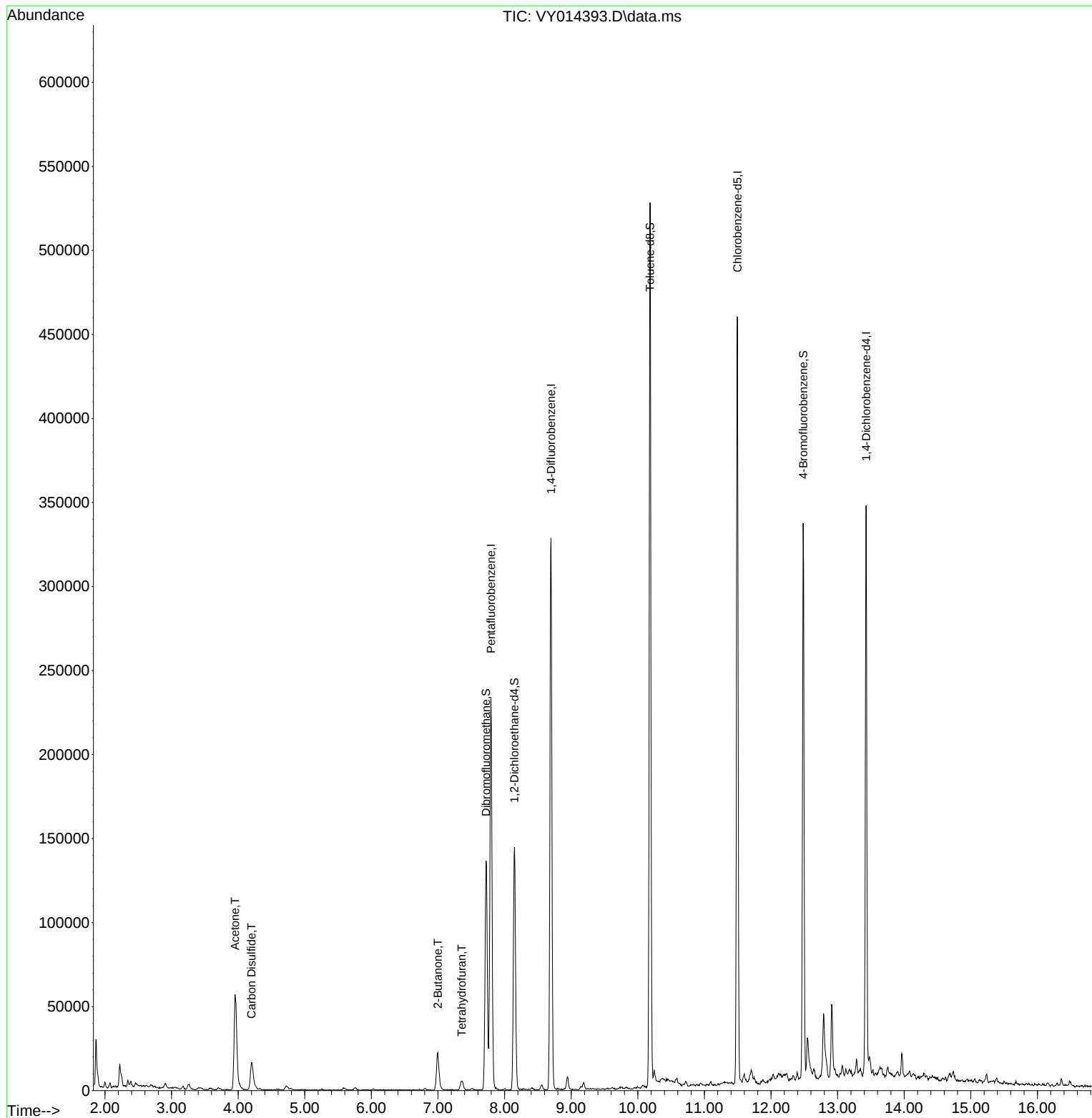
Internal Standards						
1) Pentafluorobenzene	7.795	168	180025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	281578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	246491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122363	48.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.620%
35) Dibromofluoromethane	7.722	113	92848	46.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.000%
50) Toluene-d8	10.185	98	337137	45.159	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.320%
62) 4-Bromofluorobenzene	12.483	95	92613	34.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.840%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	105305	139.357	ug/l	100
17) Carbon Disulfide	4.198	76	28376	4.260	ug/l	96
25) 2-Butanone	6.996	43	31518	33.884	ug/l	94
29) Tetrahydrofuran	7.356	42	3933	6.668	ug/l	98

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

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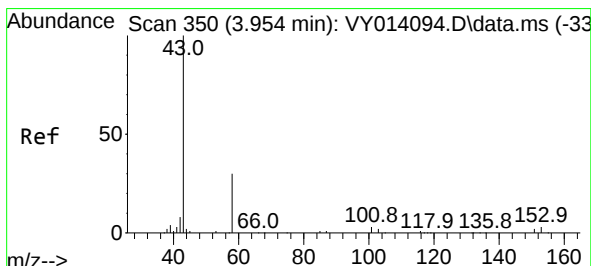
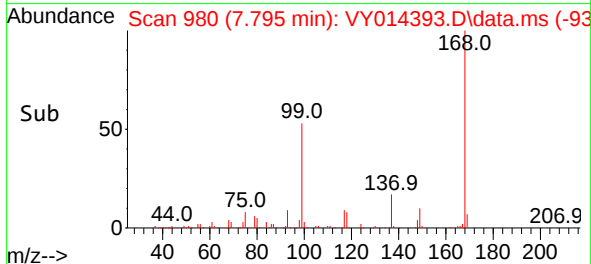
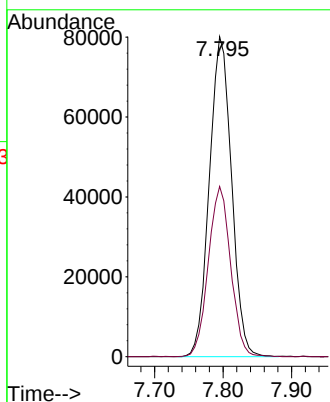
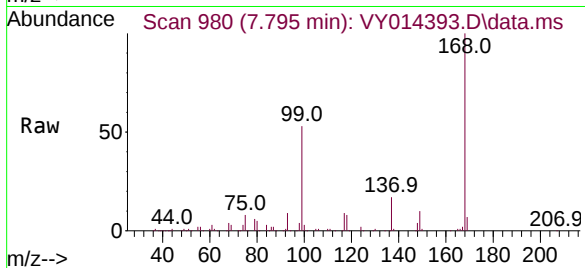




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

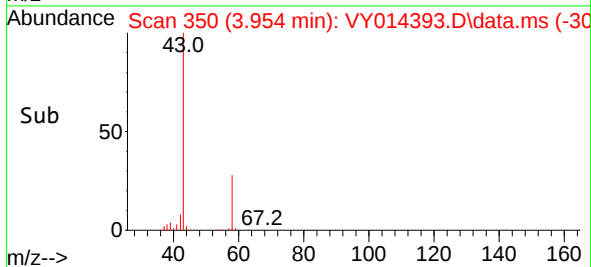
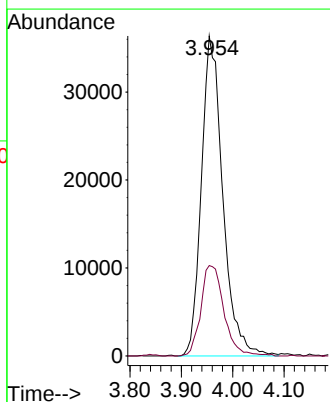
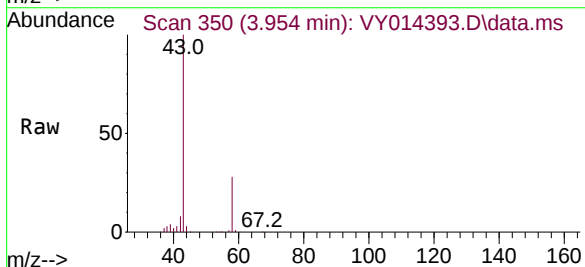
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

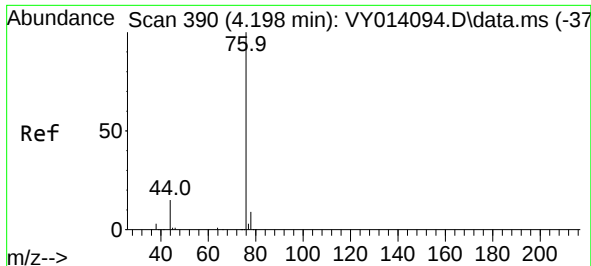
Tgt Ion:168 Resp: 180025
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#16
Acetone
Concen: 139.357 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 43 Resp: 105305
Ion Ratio Lower Upper
43 100
58 28.2 22.7 34.1

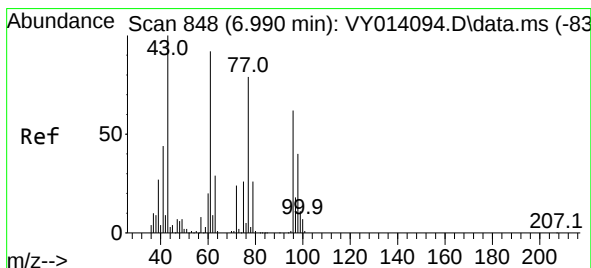
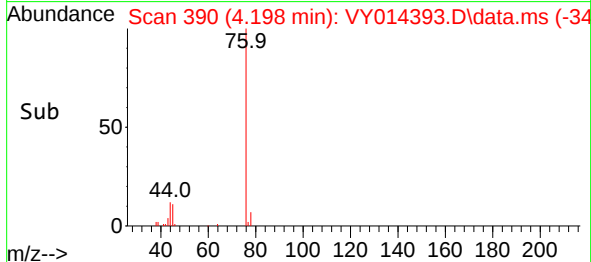
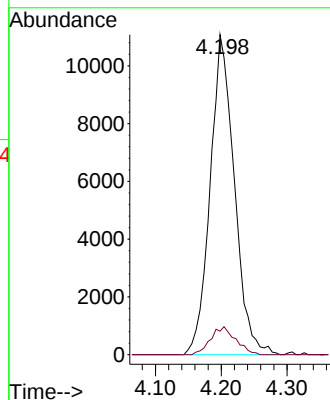
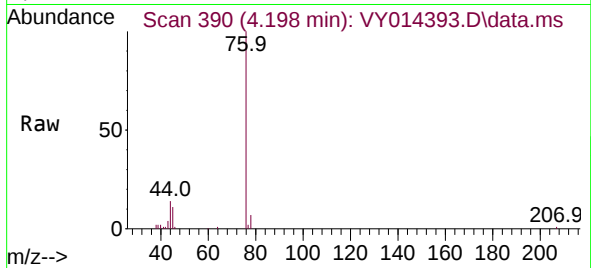




#17
Carbon Disulfide
Concen: 4.260 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

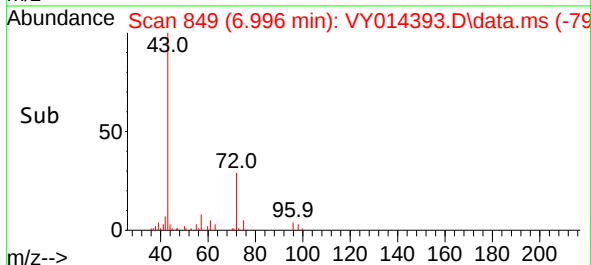
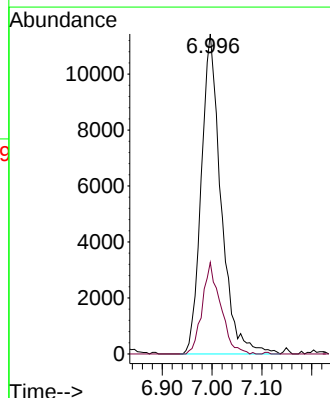
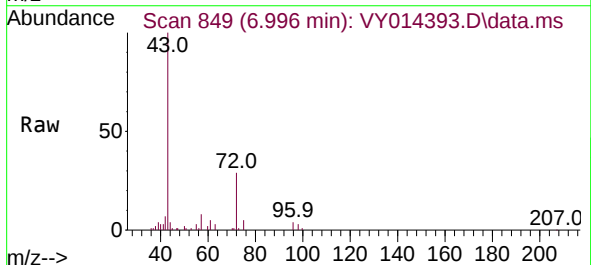
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

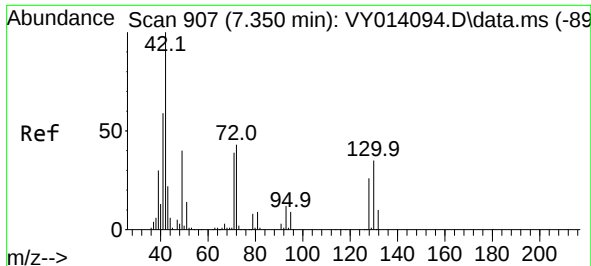
Tgt Ion: 76 Resp: 28376
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4



#25
2-Butanone
Concen: 33.884 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 43 Resp: 31518
Ion Ratio Lower Upper
43 100
72 28.6 20.5 30.7





#29

Tetrahydrofuran

Concen: 6.668 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014393.D

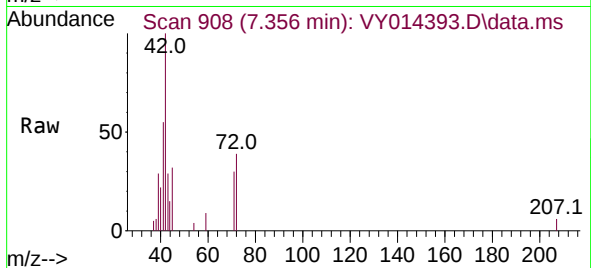
Acq: 22 Jun 2023 20:43

Instrument :

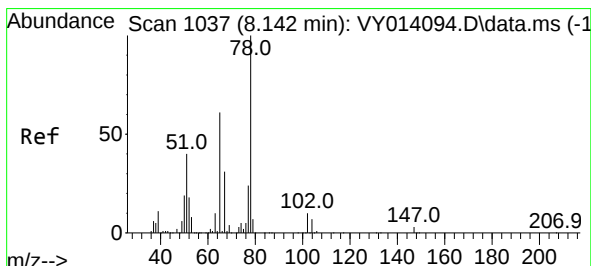
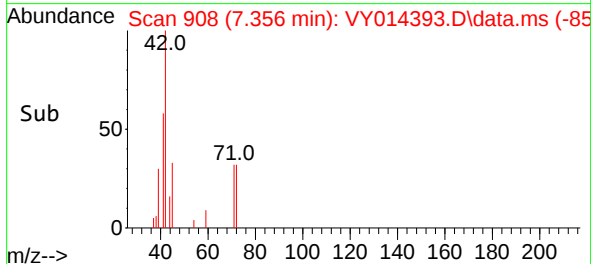
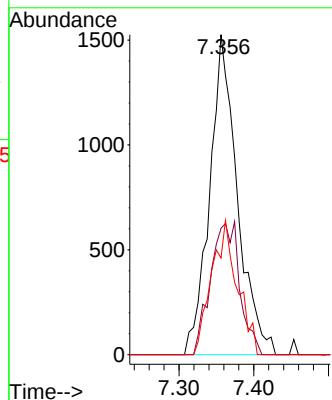
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE



Tgt Ion: 42	Resp: 3933
Ion Ratio	Lower Upper
42 100	
72 43.7	32.8 49.2
71 39.0	31.0 46.4



#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

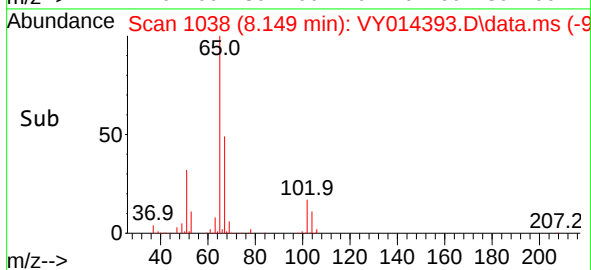
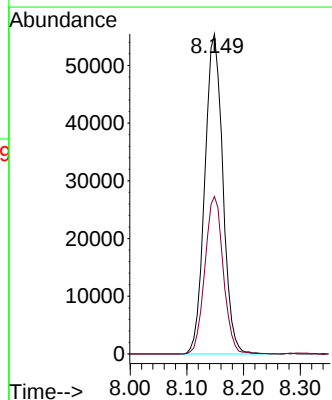
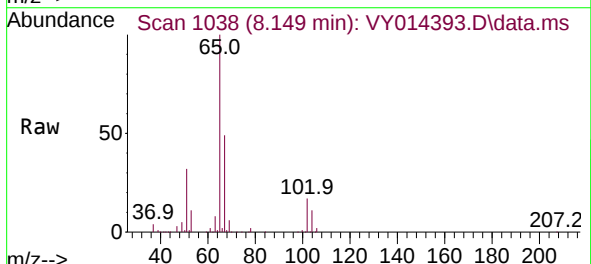
RT: 8.149 min Scan# 1038

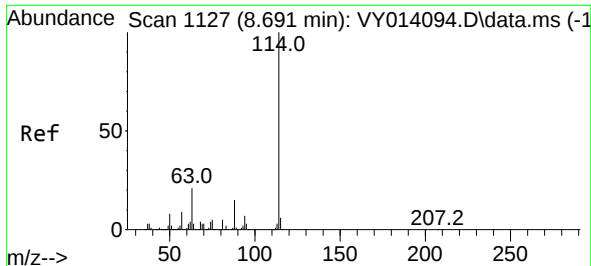
Delta R.T. 0.007 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

Tgt Ion: 65	Resp: 122363
Ion Ratio	Lower Upper
65 100	
67 50.1	0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

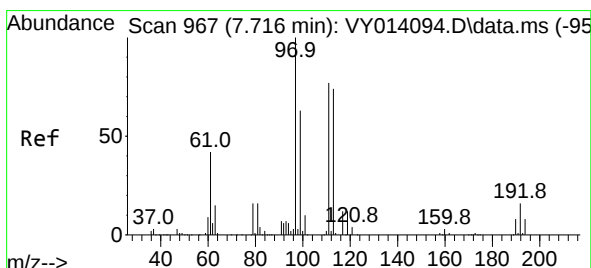
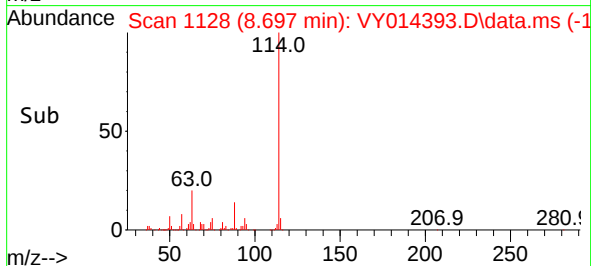
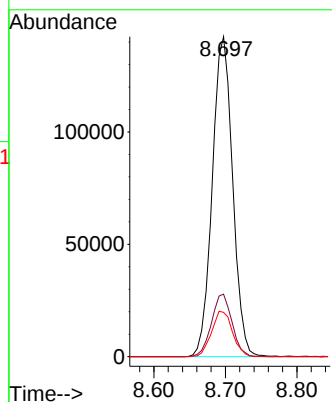
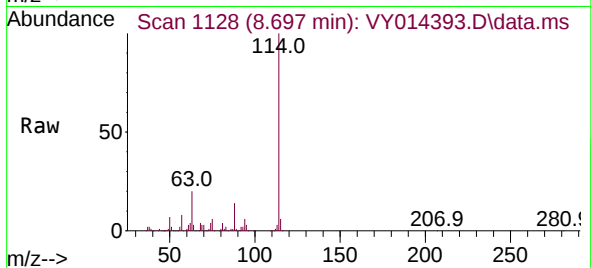
Tgt Ion:114 Resp: 281578

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 13.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.496 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

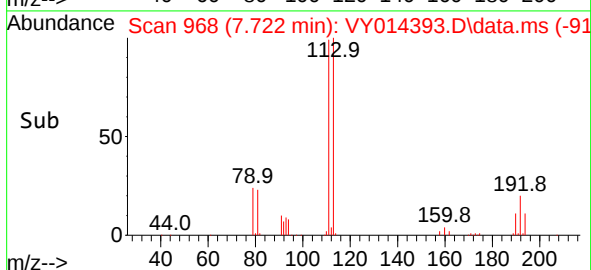
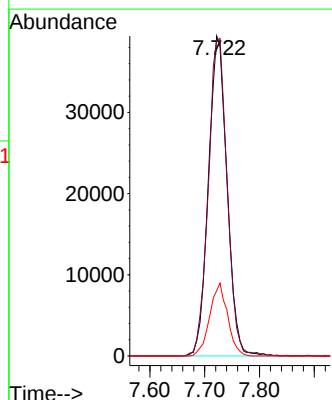
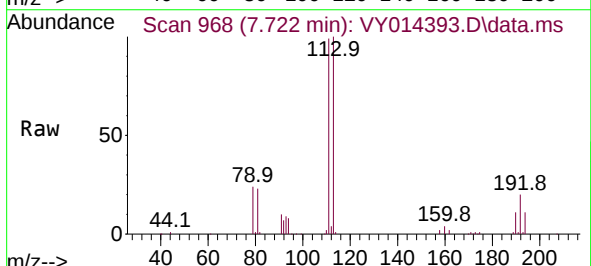
Tgt Ion:113 Resp: 92848

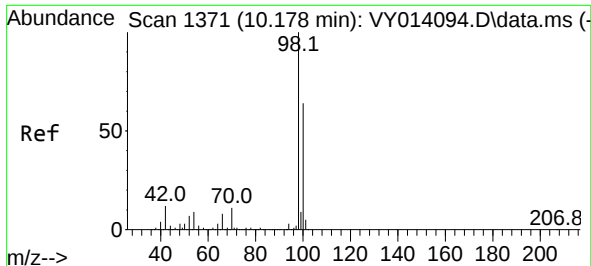
Ion Ratio Lower Upper

113 100

111 100.6 81.3 121.9

192 21.8 16.9 25.3

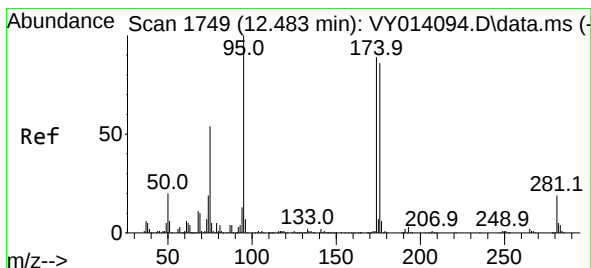
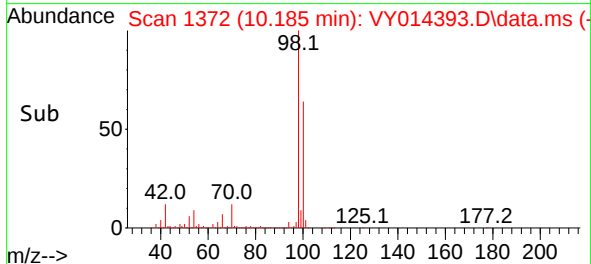
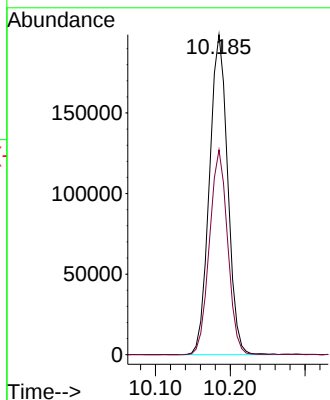
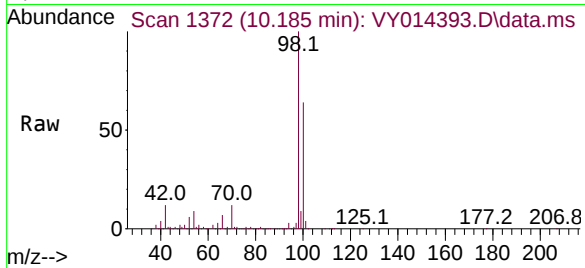




#50
Toluene-d8
Concen: 45.159 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.007 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

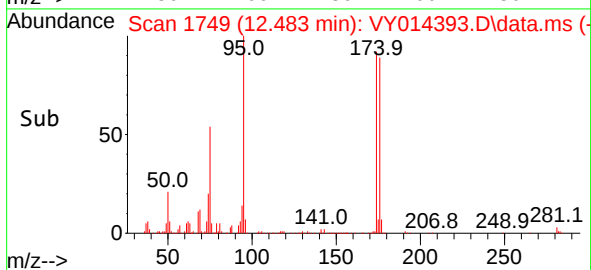
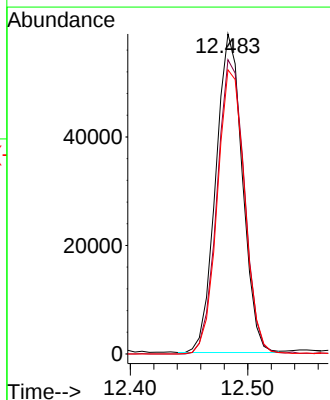
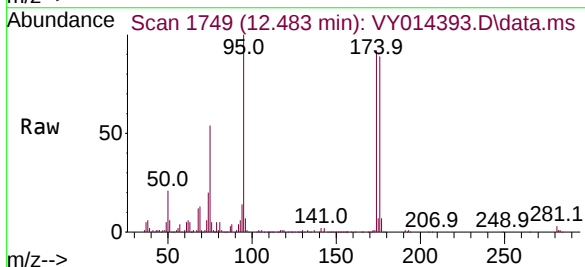
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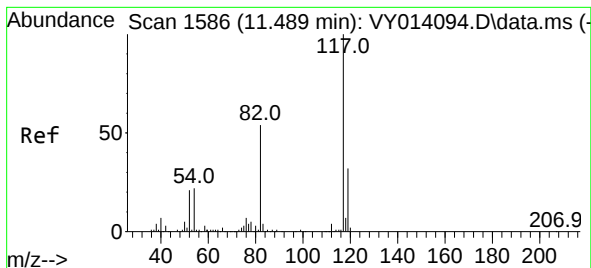
Tgt Ion: 98 Resp: 337137
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 34.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 95 Resp: 92613
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 91.5 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: VY014393.D

Acq: 22 Jun 2023 20:43

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

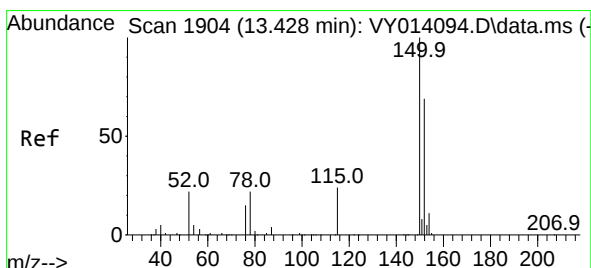
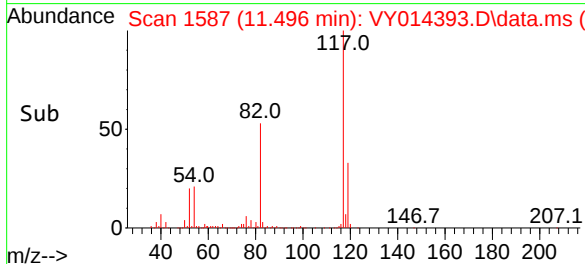
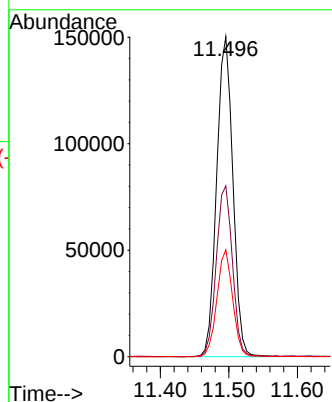
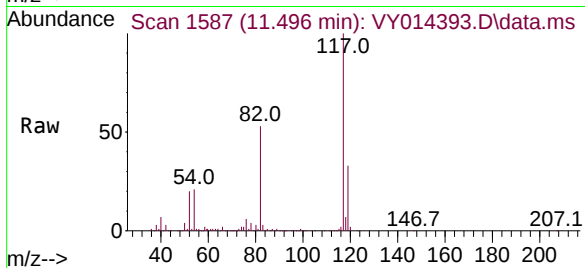
Tgt Ion:117 Resp: 246491

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 33.4 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: VY014393.D

Acq: 22 Jun 2023 20:43

Tgt Ion:152 Resp: 85140

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 158.0 0.0 348.8

