

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014370.D
 Acq On : 22 Jun 2023 08:28
 Operator : KP/MD
 Sample : 03362-13
 Misc : 7.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

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

Quant Time: Jun 22 08:56:19 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)

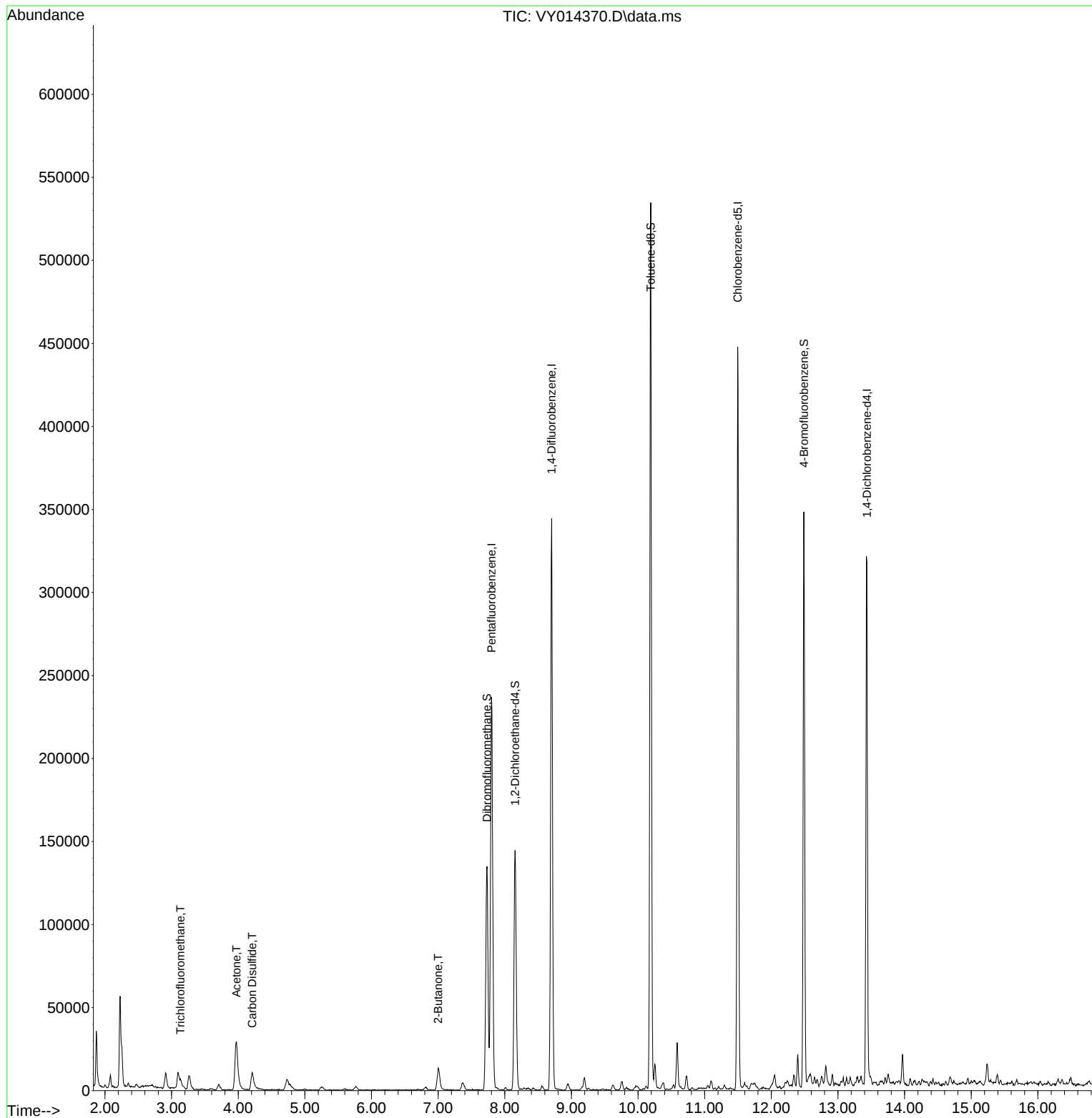
Internal Standards						
1) Pentafluorobenzene	7.801	168	182737	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	282364	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	243986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	84281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	120744	47.450	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.900%		
35) Dibromofluoromethane	7.734	113	92227	46.057	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.120%		
50) Toluene-d8	10.191	98	337873	45.132	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.260%		
62) 4-Bromofluorobenzene	12.489	95	90361	33.978	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	67.960%		
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.131	101	5319	1.304	ug/l	92
16) Acetone	3.973	43	58900	76.789	ug/l	99
17) Carbon Disulfide	4.210	76	19593	2.898	ug/l #	93
25) 2-Butanone	7.002	43	13424	14.218	ug/l	95

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

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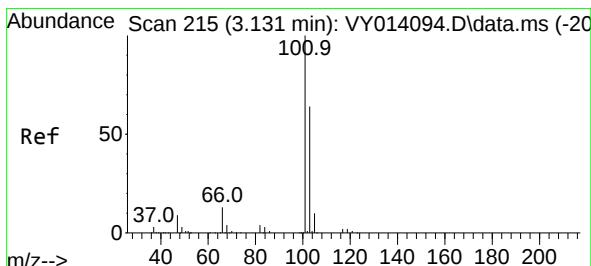
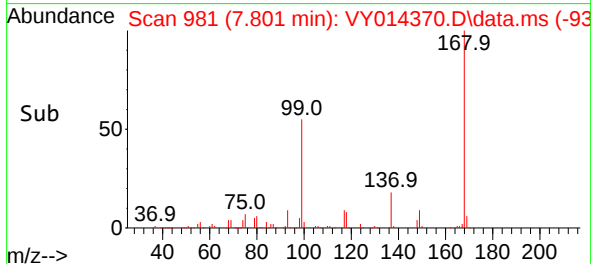
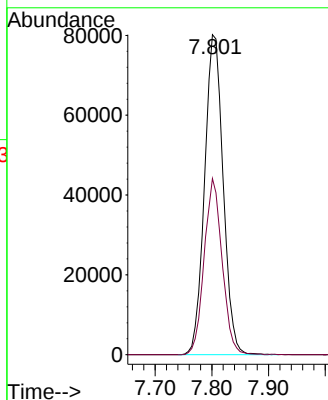
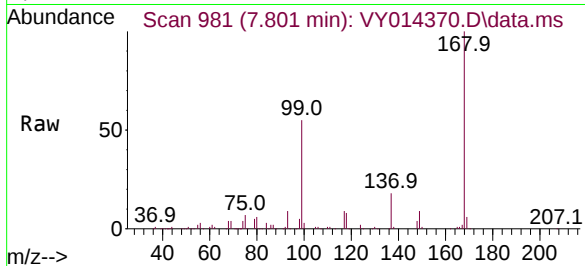




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014370.D
Acq: 22 Jun 2023 08:28

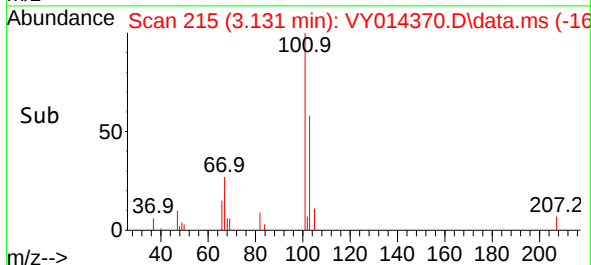
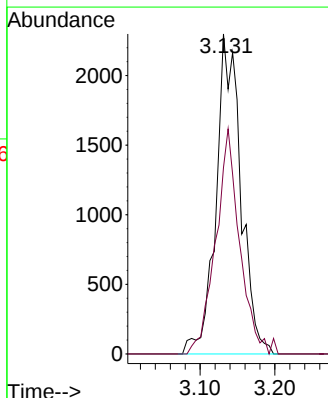
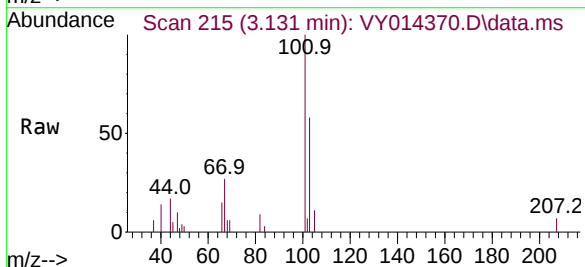
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-12-13-SB-13-GRAB-5

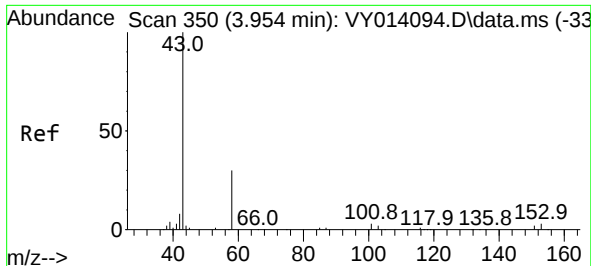
Tgt Ion:168 Resp: 182737
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#7
Trichlorofluoromethane
Concen: 1.304 ug/l
RT: 3.131 min Scan# 215
Delta R.T. 0.000 min
Lab File: VY014370.D
Acq: 22 Jun 2023 08:28

Tgt Ion:101 Resp: 5319
Ion Ratio Lower Upper
101 100
103 58.2 51.4 77.0





#16

Acetone

Concen: 76.789 ug/l

RT: 3.973 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY014370.D

Acq: 22 Jun 2023 08:28

Instrument :

MSVOA_Y

ClientSampleId :

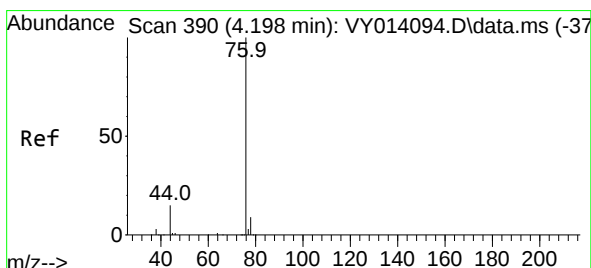
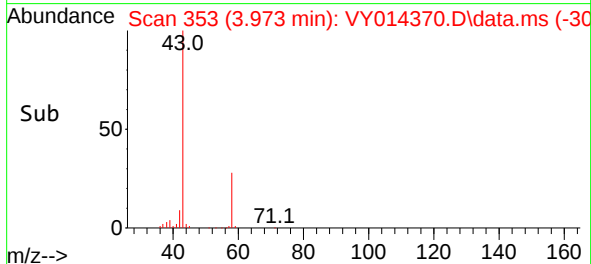
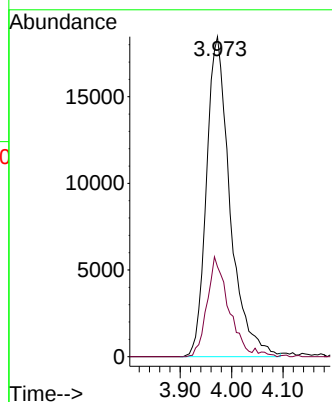
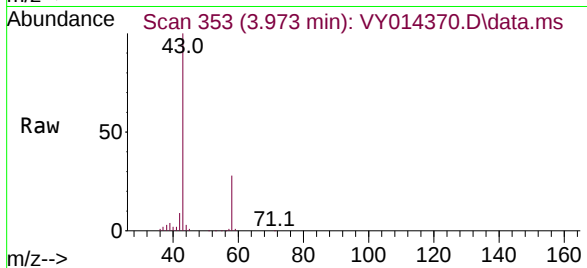
TOTAL-VOC-12-13-SB-13-GRAB-5

Tgt Ion: 43 Resp: 58900

Ion Ratio Lower Upper

43 100

58 28.1 22.7 34.1



#17

Carbon Disulfide

Concen: 2.898 ug/l

RT: 4.210 min Scan# 392

Delta R.T. 0.012 min

Lab File: VY014370.D

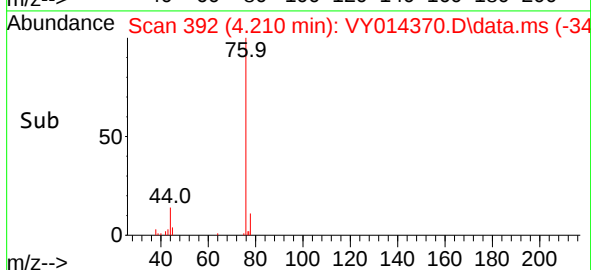
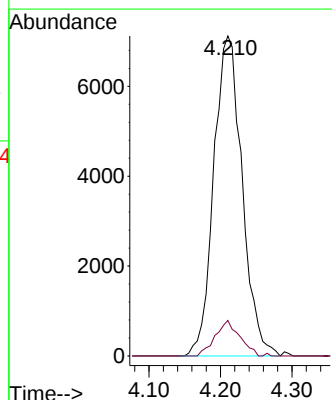
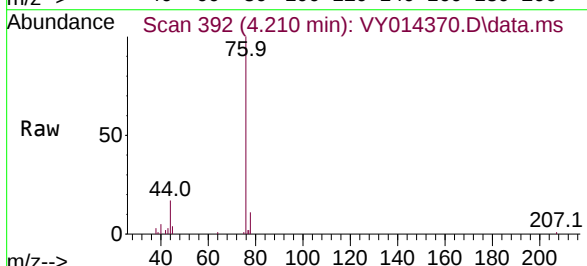
Acq: 22 Jun 2023 08:28

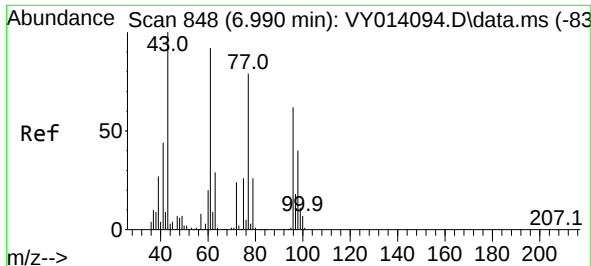
Tgt Ion: 76 Resp: 19593

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.4#





#25

2-Butanone

Concen: 14.218 ug/l

RT: 7.002 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY014370.D

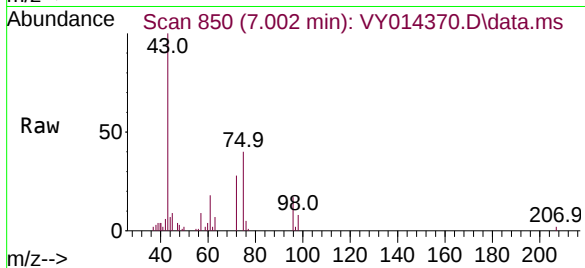
Acq: 22 Jun 2023 08:28

Instrument :

MSVOA_Y

ClientSampleId :

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

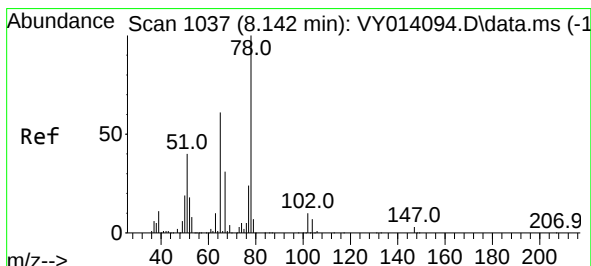
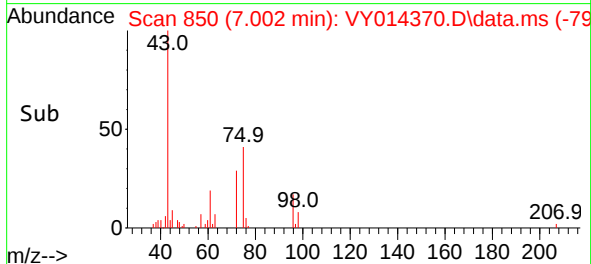
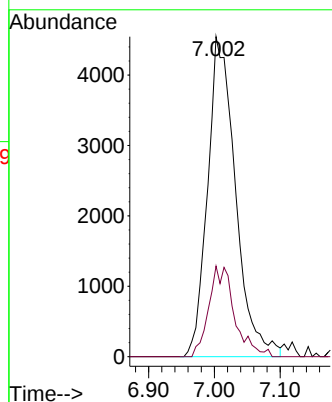


Tgt Ion: 43 Resp: 13424

Ion Ratio Lower Upper

43 100

72 28.3 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 47.450 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.013 min

Lab File: VY014370.D

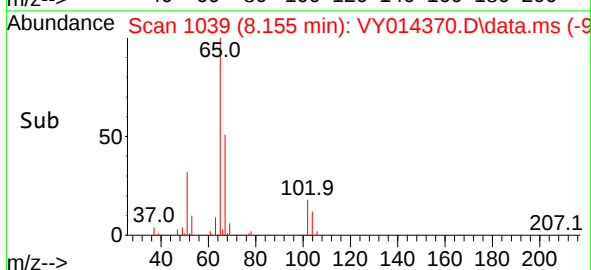
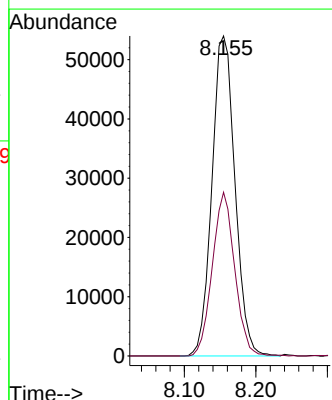
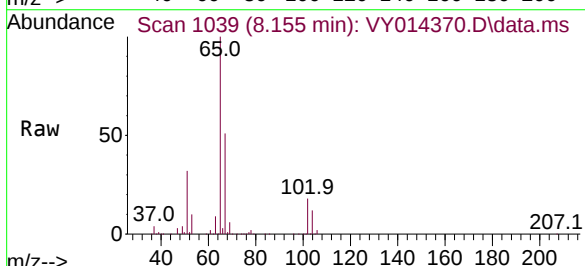
Acq: 22 Jun 2023 08:28

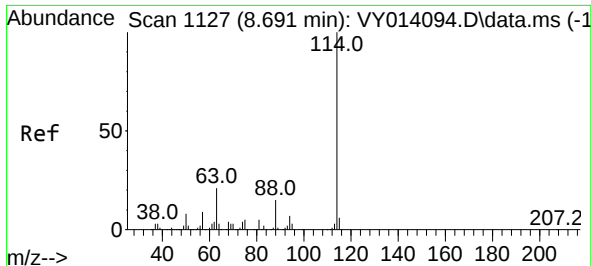
Tgt Ion: 65 Resp: 120744

Ion Ratio Lower Upper

65 100

67 49.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY014370.D

Acq: 22 Jun 2023 08:28

Instrument :

MSVOA_Y

ClientSampleId :

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

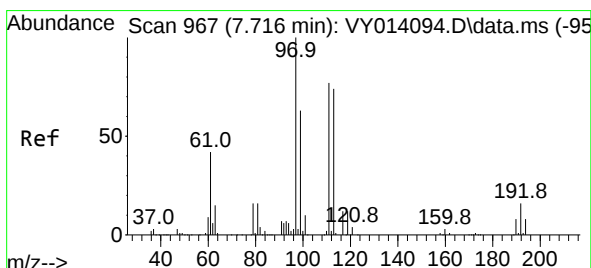
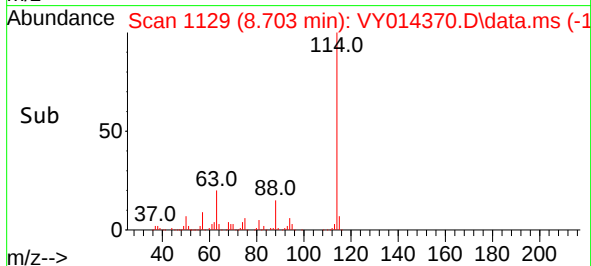
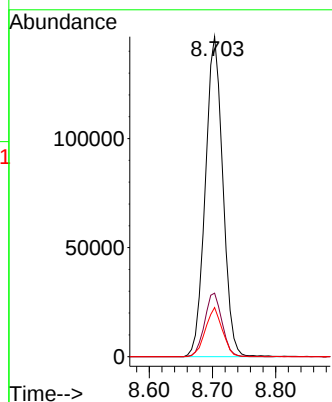
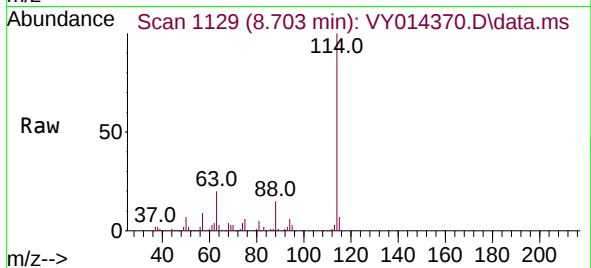
Tgt Ion:114 Resp: 282364

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.057 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY014370.D

Acq: 22 Jun 2023 08:28

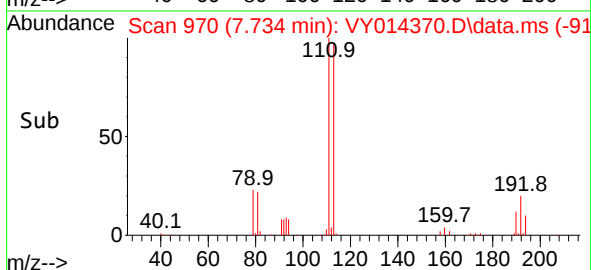
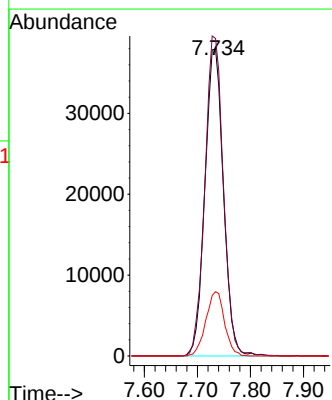
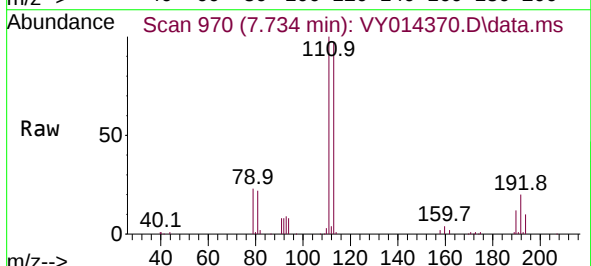
Tgt Ion:113 Resp: 92227

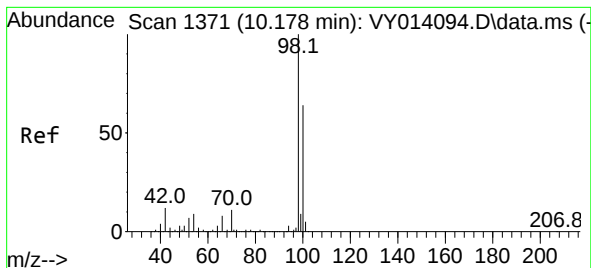
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 21.0 16.9 25.3

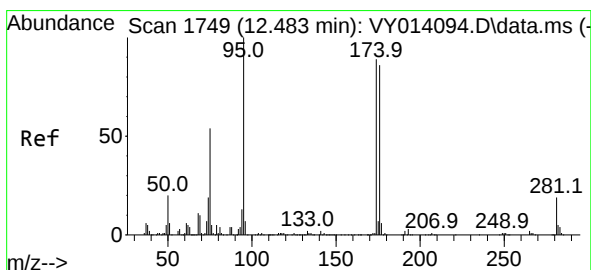
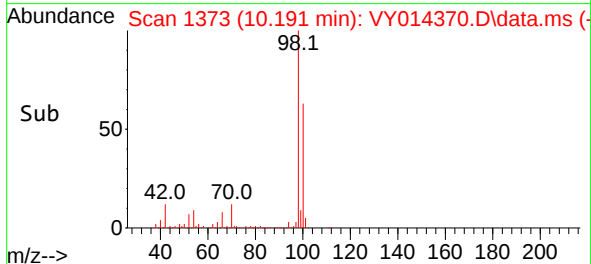
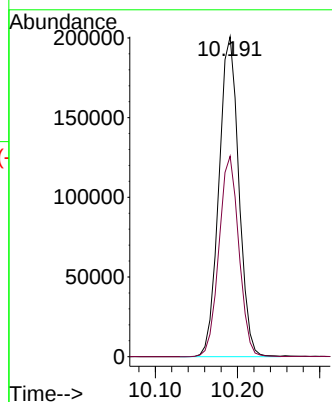
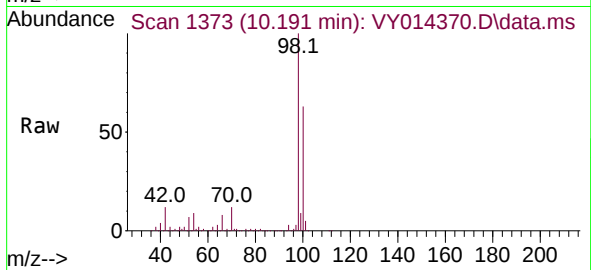




#50
Toluene-d8
Concen: 45.132 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014370.D
Acq: 22 Jun 2023 08:28

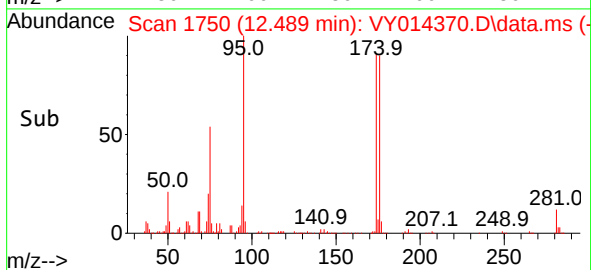
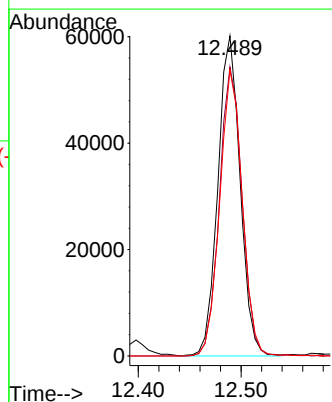
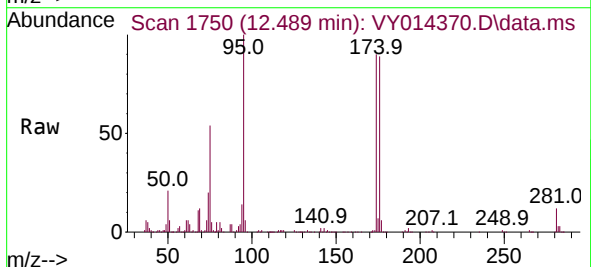
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MSVOA_Y
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TOTAL-VOC-12-13-SB-13-GRAB-5

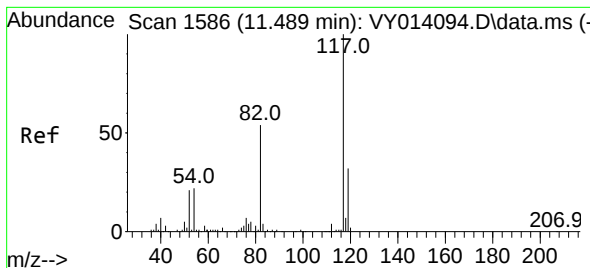
Tgt Ion: 98 Resp: 337873
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 33.978 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014370.D
Acq: 22 Jun 2023 08:28

Tgt Ion: 95 Resp: 90361
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 90.3 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: VY014370.D

Acq: 22 Jun 2023 08:28

Instrument :

MSVOA_Y

ClientSampleId :

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

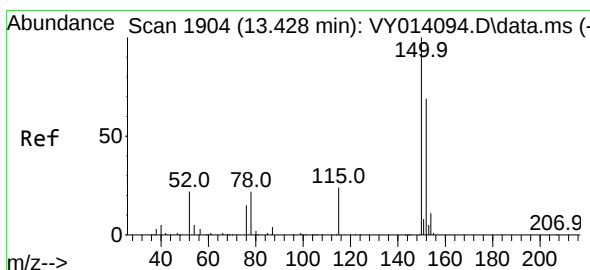
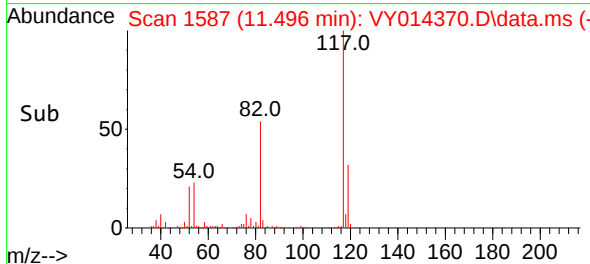
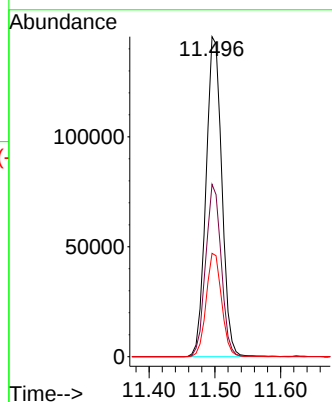
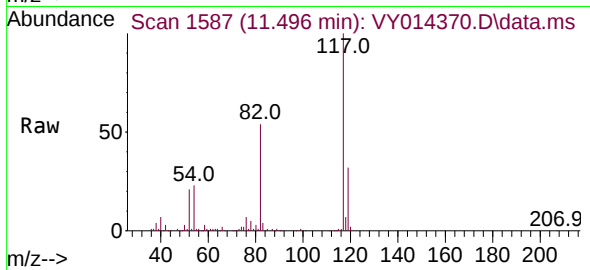
Tgt Ion:117 Resp: 243986

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY014370.D

Acq: 22 Jun 2023 08:28

Tgt Ion:152 Resp: 84281

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 155.1 0.0 348.8

