

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014427.D
 Acq On : 26 Jun 2023 12:32
 Operator : KP/MD
 Sample : 03362-24RE
 Misc : 9.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-25-GRBA-6RE

Quant Time: Jun 27 01:45:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

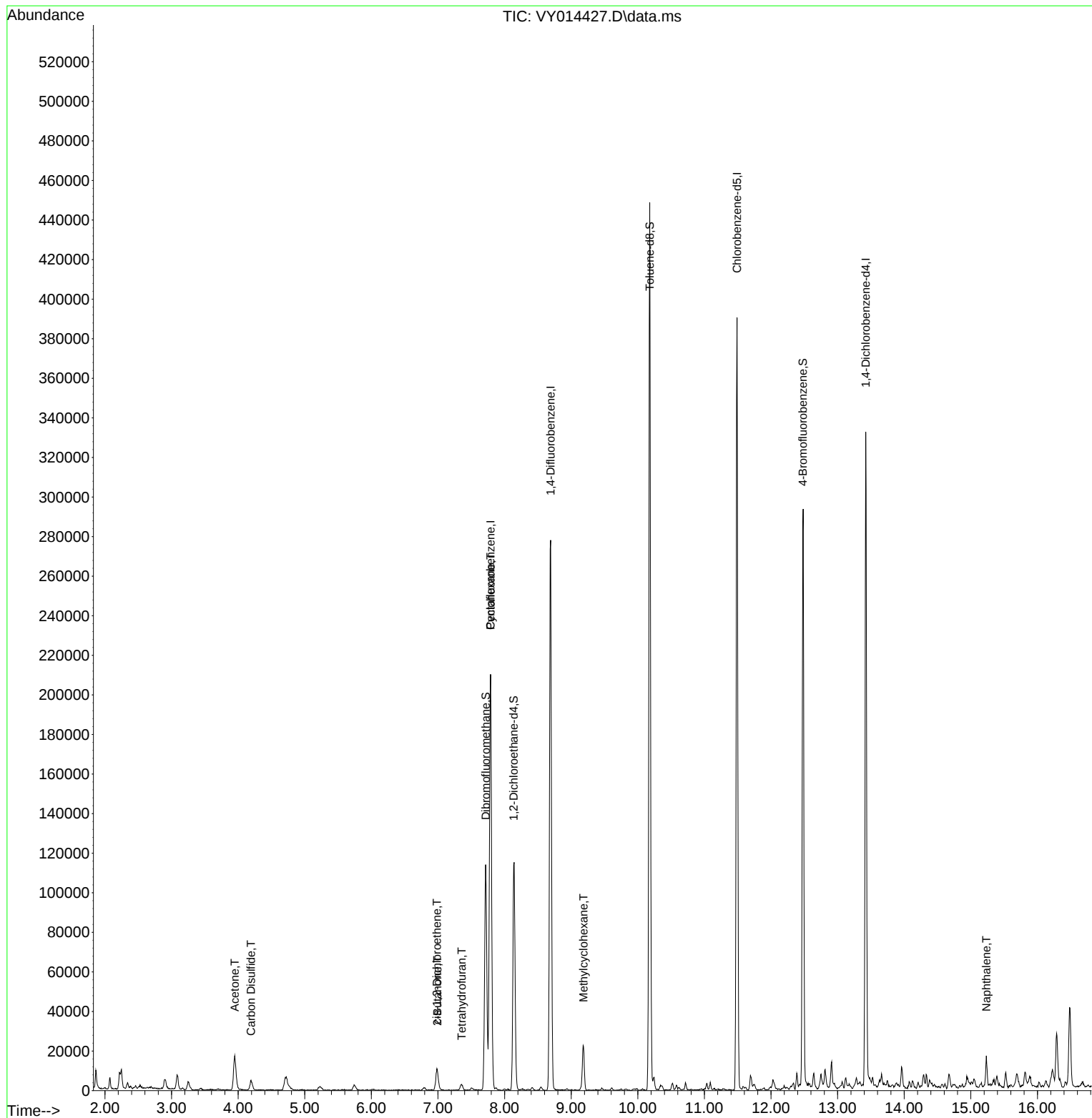
Internal Standards						
1) Pentafluorobenzene	7.789	168	161423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	207147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	86468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	102434	51.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.220%
35) Dibromofluoromethane	7.716	113	73237	49.474	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.940%
50) Toluene-d8	10.179	98	280800	47.719	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.477	95	78581	37.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.820%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	29037	46.042	ug/l	98
17) Carbon Disulfide	4.192	76	8297	1.803	ug/l #	87
25) 2-Butanone	6.990	43	5079	6.466	ug/l #	79
27) cis-1,2-Dichloroethene	6.984	96	4638	2.520	ug/l	78
29) Tetrahydrofuran	7.356	42	2257	4.819	ug/l #	86
31) Cyclohexane	7.789	56	5554	2.244	ug/l #	58
39) Methylcyclohexane	9.185	83	9182	3.499	ug/l #	85
95) Naphthalene	15.233	128	11953	3.210	ug/l	96

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

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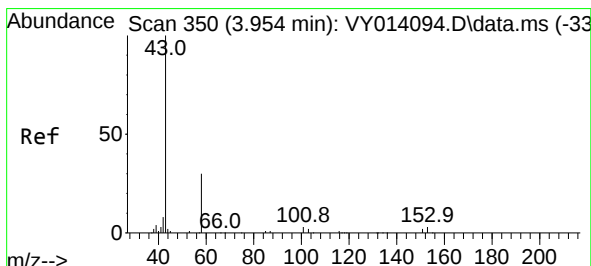
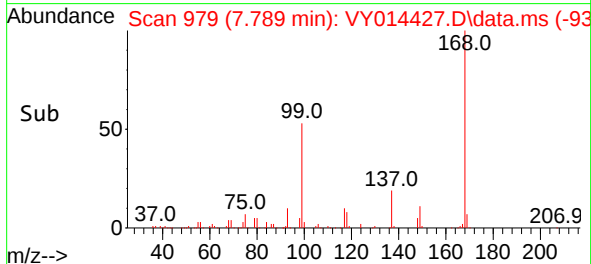
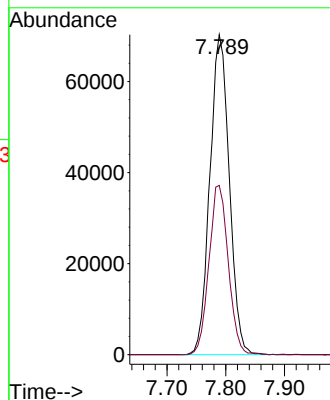
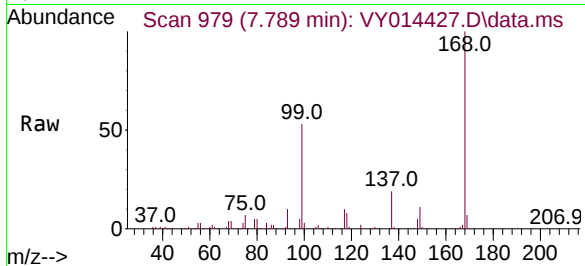




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

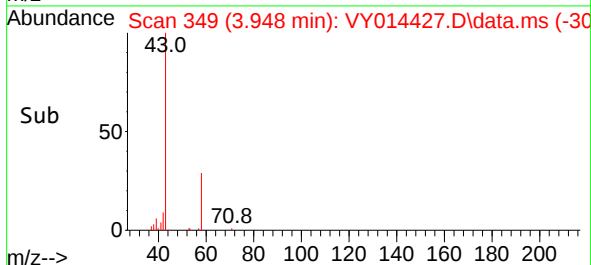
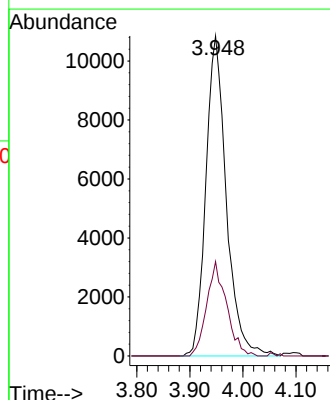
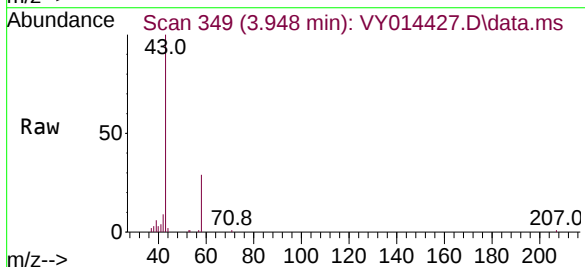
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

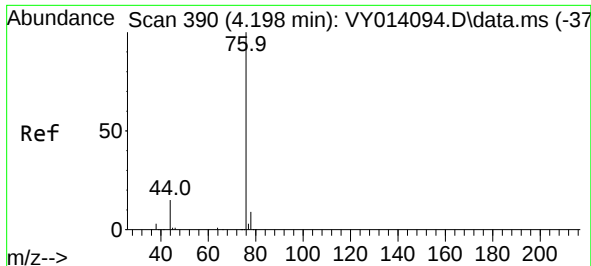
Tgt Ion:168 Resp: 161423
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#16
Acetone
Concen: 46.042 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 43 Resp: 29037
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1

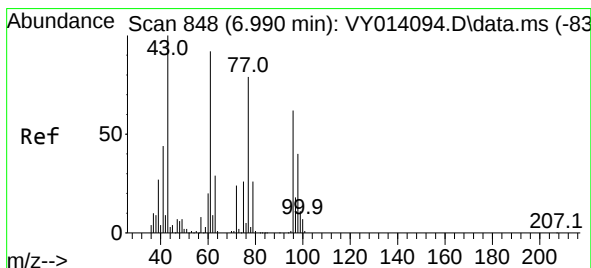
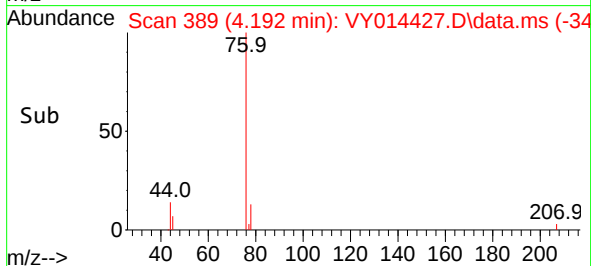
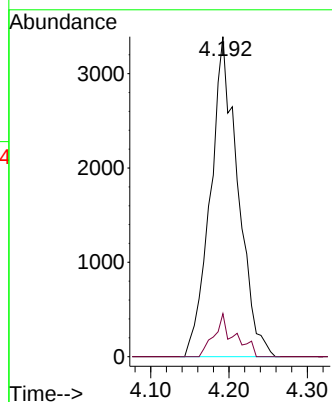
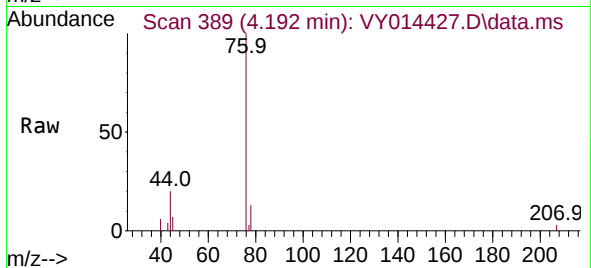




#17
Carbon Disulfide
Concen: 1.803 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

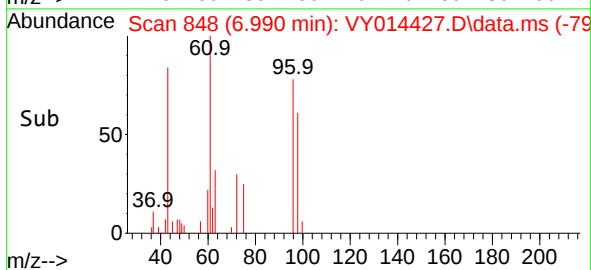
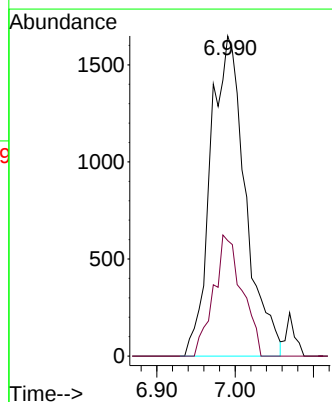
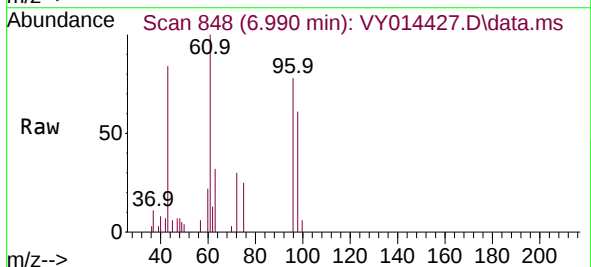
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

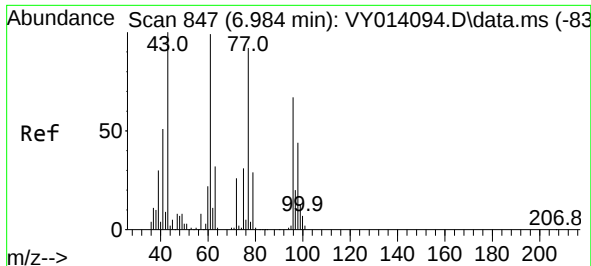
Tgt Ion: 76 Resp: 8297
Ion Ratio Lower Upper
76 100
78 13.4 7.0 10.4#



#25
2-Butanone
Concen: 6.466 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 43 Resp: 5079
Ion Ratio Lower Upper
43 100
72 36.1 20.5 30.7#





#27

cis-1,2-Dichloroethene

Concen: 2.520 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY014427.D

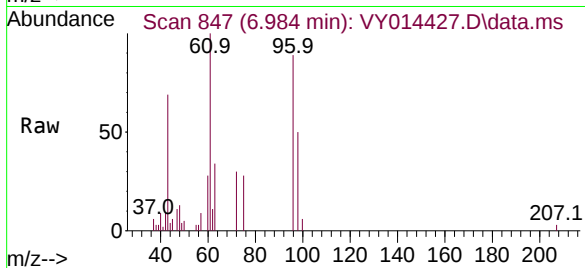
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6RE



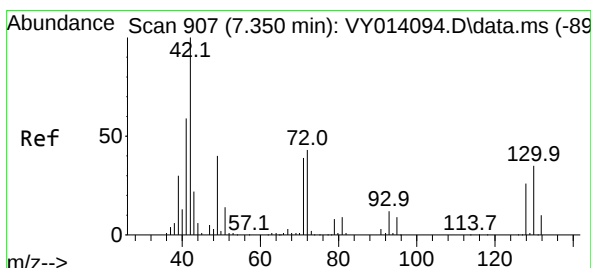
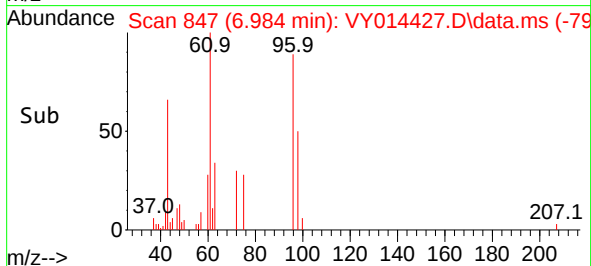
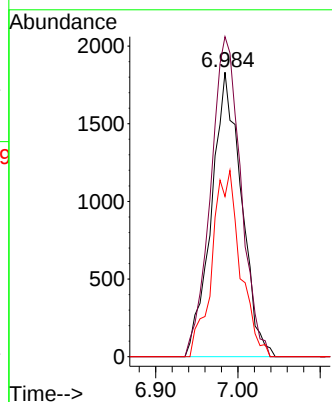
Tgt Ion: 96 Resp: 4638

Ion Ratio Lower Upper

96 100

61 113.2 0.0 301.4

98 61.8 0.0 130.4



#29

Tetrahydrofuran

Concen: 4.819 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

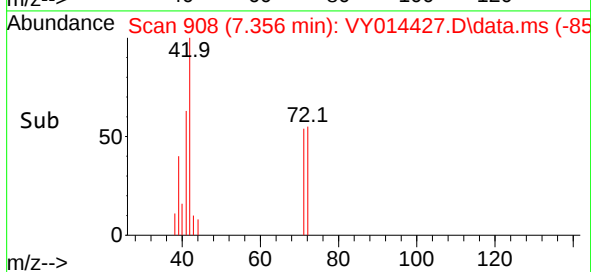
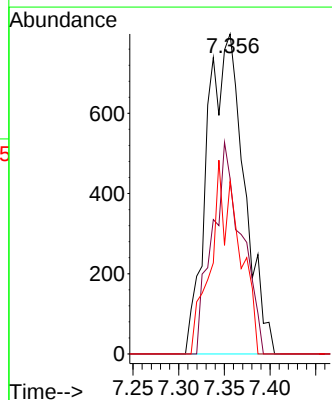
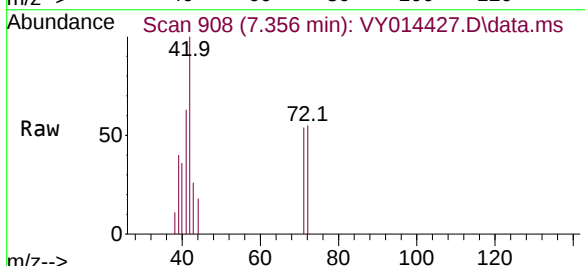
Tgt Ion: 42 Resp: 2257

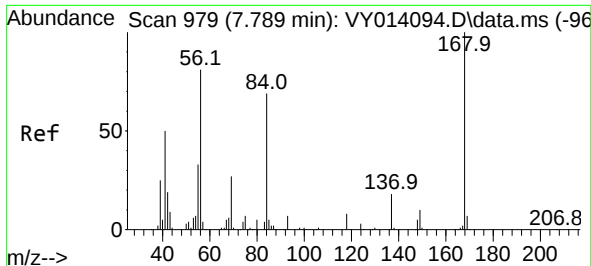
Ion Ratio Lower Upper

42 100

72 51.9 32.8 49.2#

71 45.6 31.0 46.4

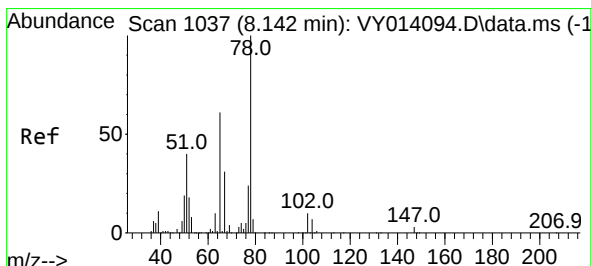
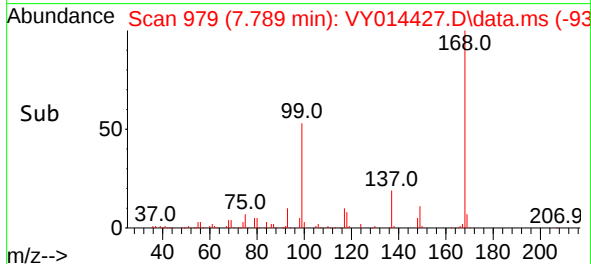
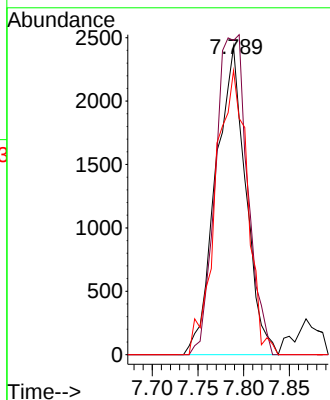
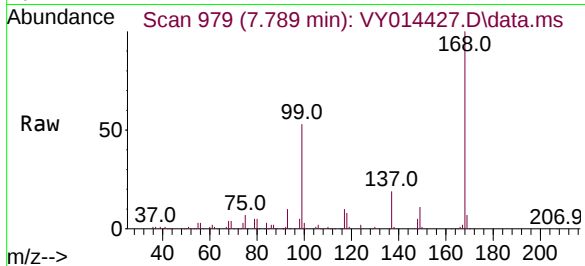




#31
Cyclohexane
Concen: 2.244 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

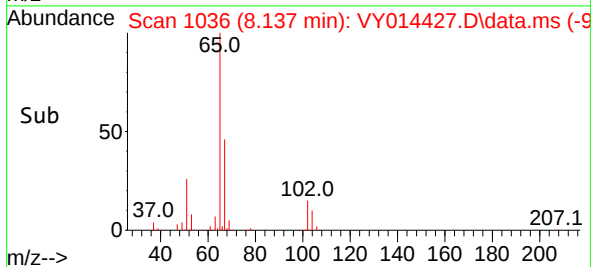
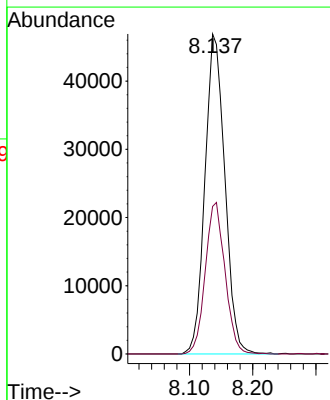
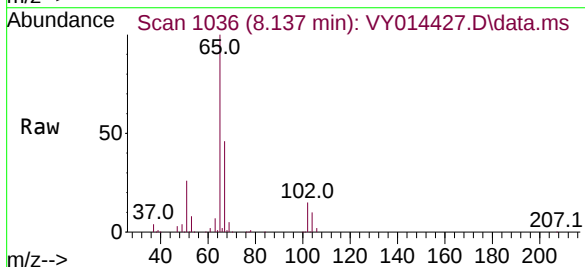
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

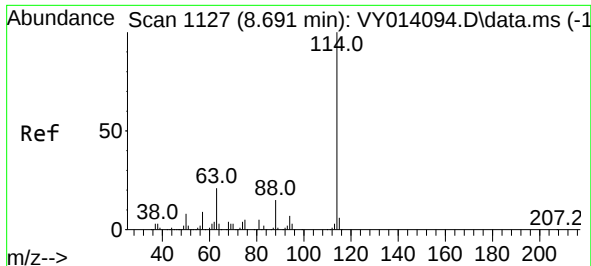
Tgt Ion: 56 Resp: 5554
Ion Ratio Lower Upper
56 100
69 102.1 27.8 41.6#
84 92.3 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 51.109 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 65 Resp: 102434
Ion Ratio Lower Upper
65 100
67 47.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6RE

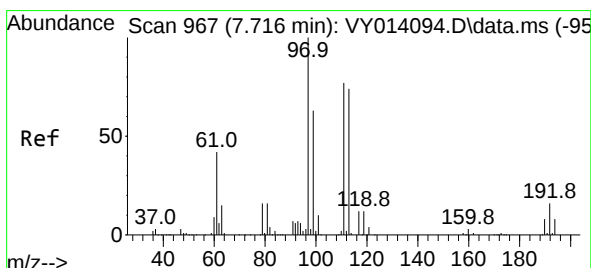
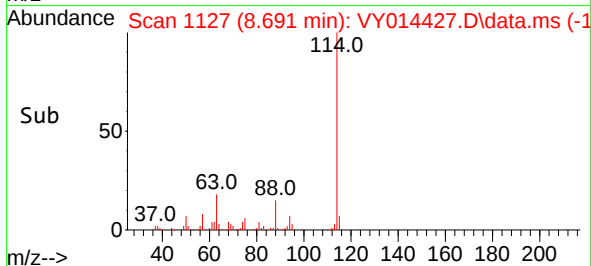
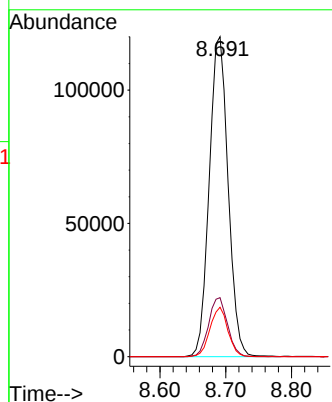
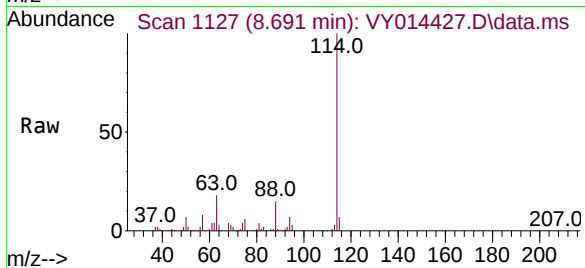
Tgt Ion:114 Resp: 239603

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.474 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

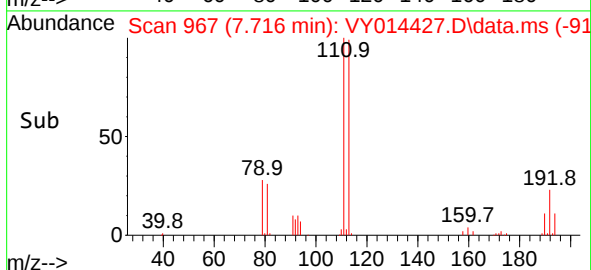
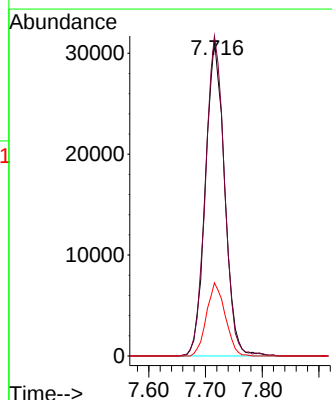
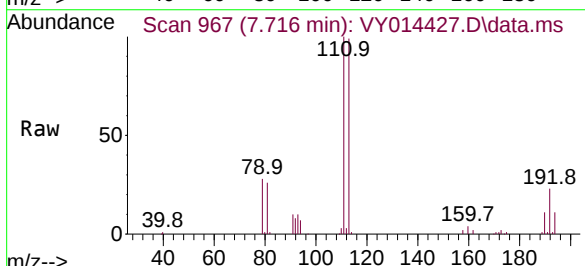
Tgt Ion:113 Resp: 73237

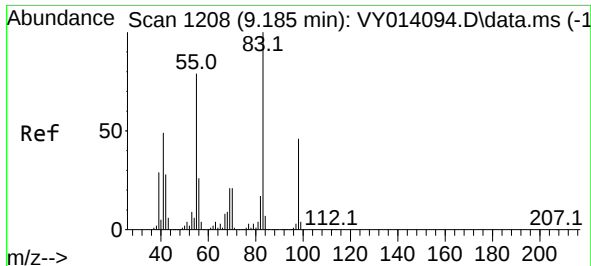
Ion Ratio Lower Upper

113 100

111 101.1 81.3 121.9

192 22.7 16.9 25.3





#39

Methylcyclohexane

Concen: 3.499 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.000 min

Lab File: VY014427.D

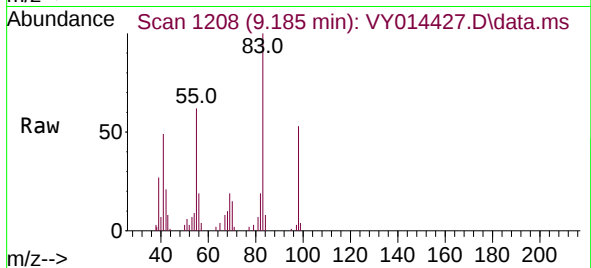
Acq: 26 Jun 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6RE



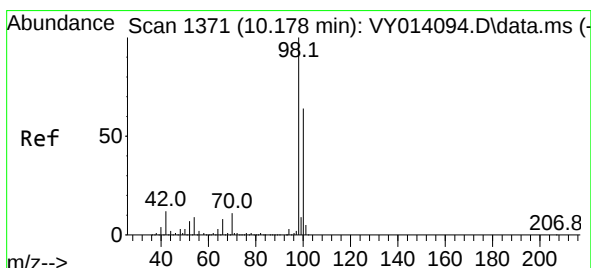
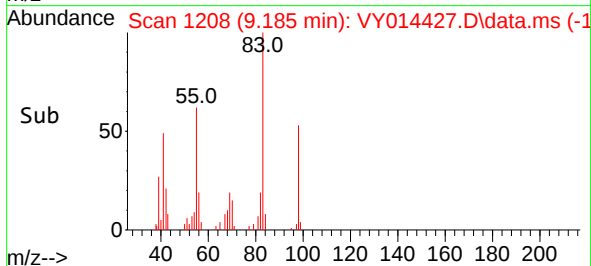
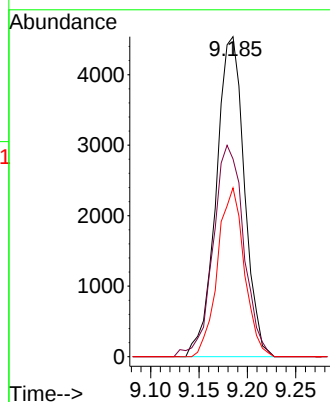
Tgt Ion: 83 Resp: 9182

Ion Ratio Lower Upper

83 100

55 61.8 63.0 94.4#

98 52.8 37.4 56.2



#50

Toluene-d8

Concen: 47.719 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014427.D

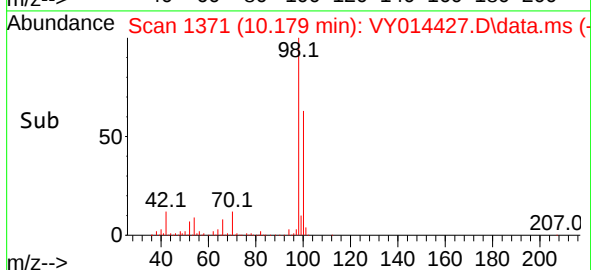
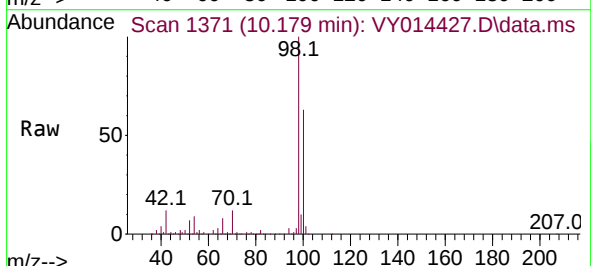
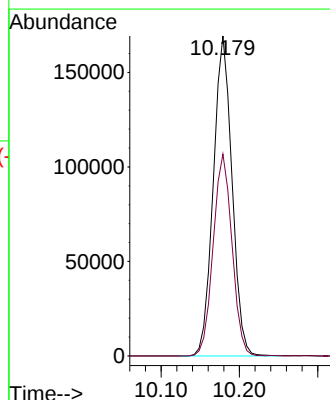
Acq: 26 Jun 2023 12:32

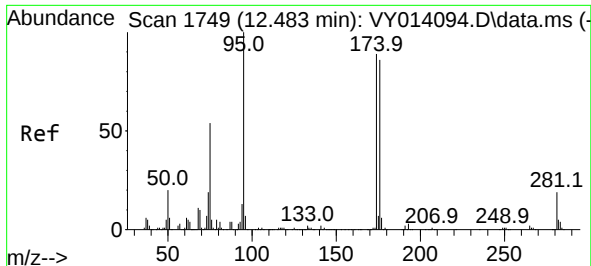
Tgt Ion: 98 Resp: 280800

Ion Ratio Lower Upper

98 100

100 63.4 50.1 75.1

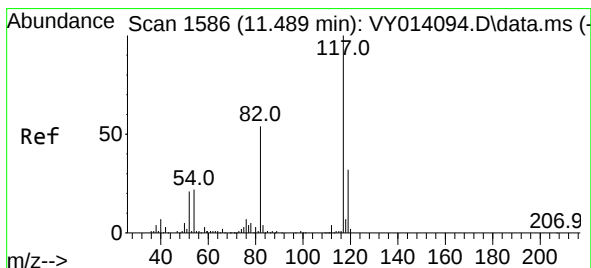
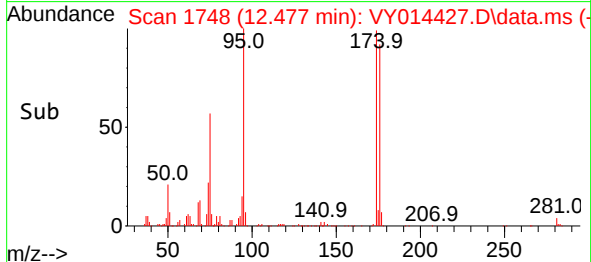
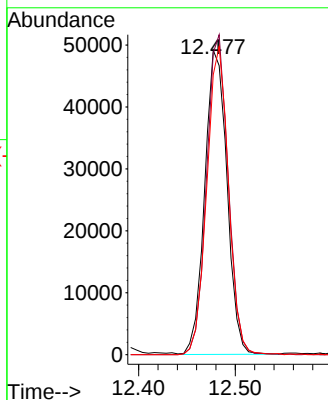
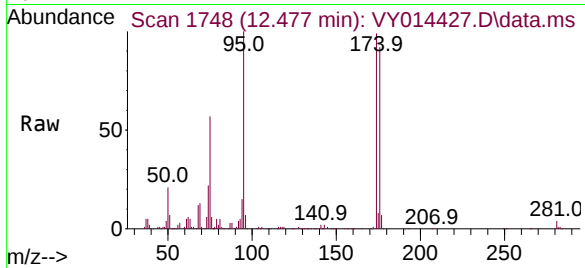




#62
4-Bromofluorobenzene
Concen: 37.406 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

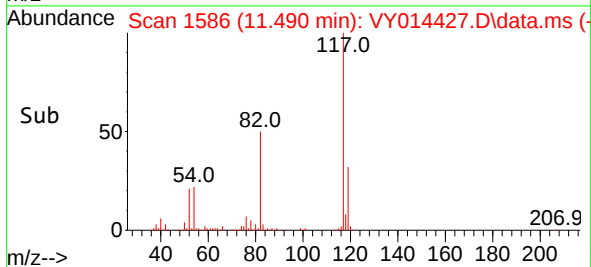
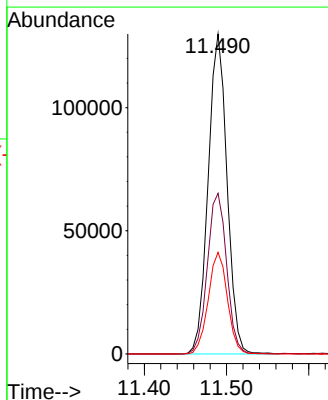
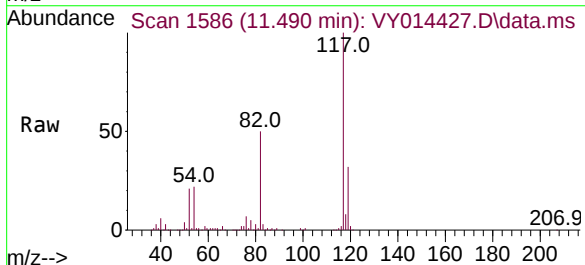
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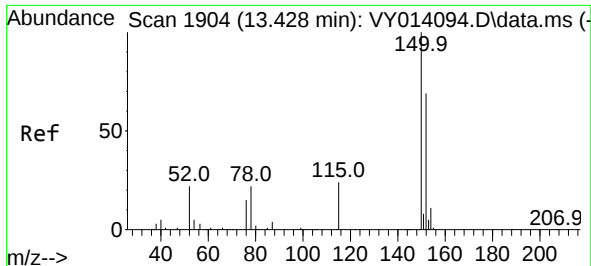
Tgt Ion: 95 Resp: 78581
Ion Ratio Lower Upper
95 100
174 102.5 0.0 178.2
176 98.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 117 Resp: 207147
Ion Ratio Lower Upper
117 100
82 50.2 43.4 65.0
119 31.8 26.3 39.5

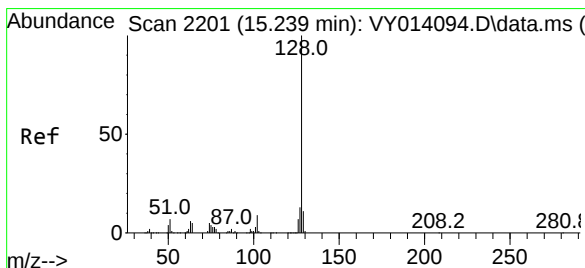
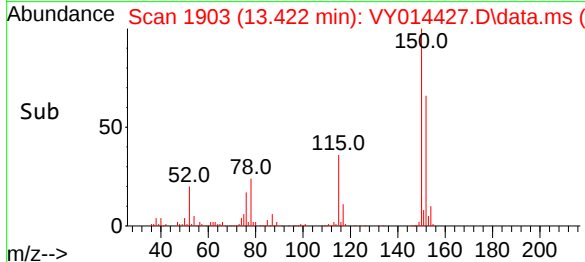
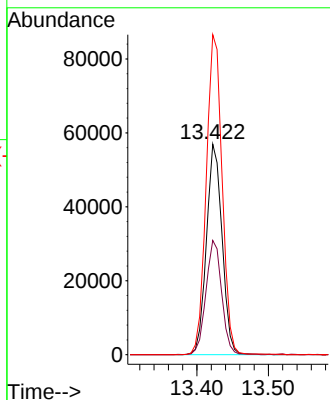
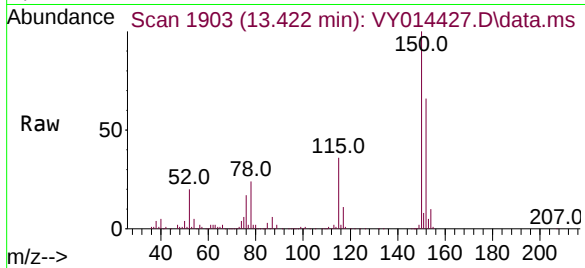




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

Tgt Ion:152 Resp: 86468
Ion Ratio Lower Upper
152 100
115 54.7 28.8 86.5
150 154.5 0.0 348.8



#95
Naphthalene
Concen: 3.210 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion:128 Resp: 11953
Ion Ratio Lower Upper
128 100
127 15.7 10.8 16.2
129 11.4 8.6 13.0

