

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014216.D
 Acq On : 16 Jun 2023 20:18
 Operator : KP/MD
 Sample : 03255-12
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-7

Quant Time: Jun 16 23:26:17 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)

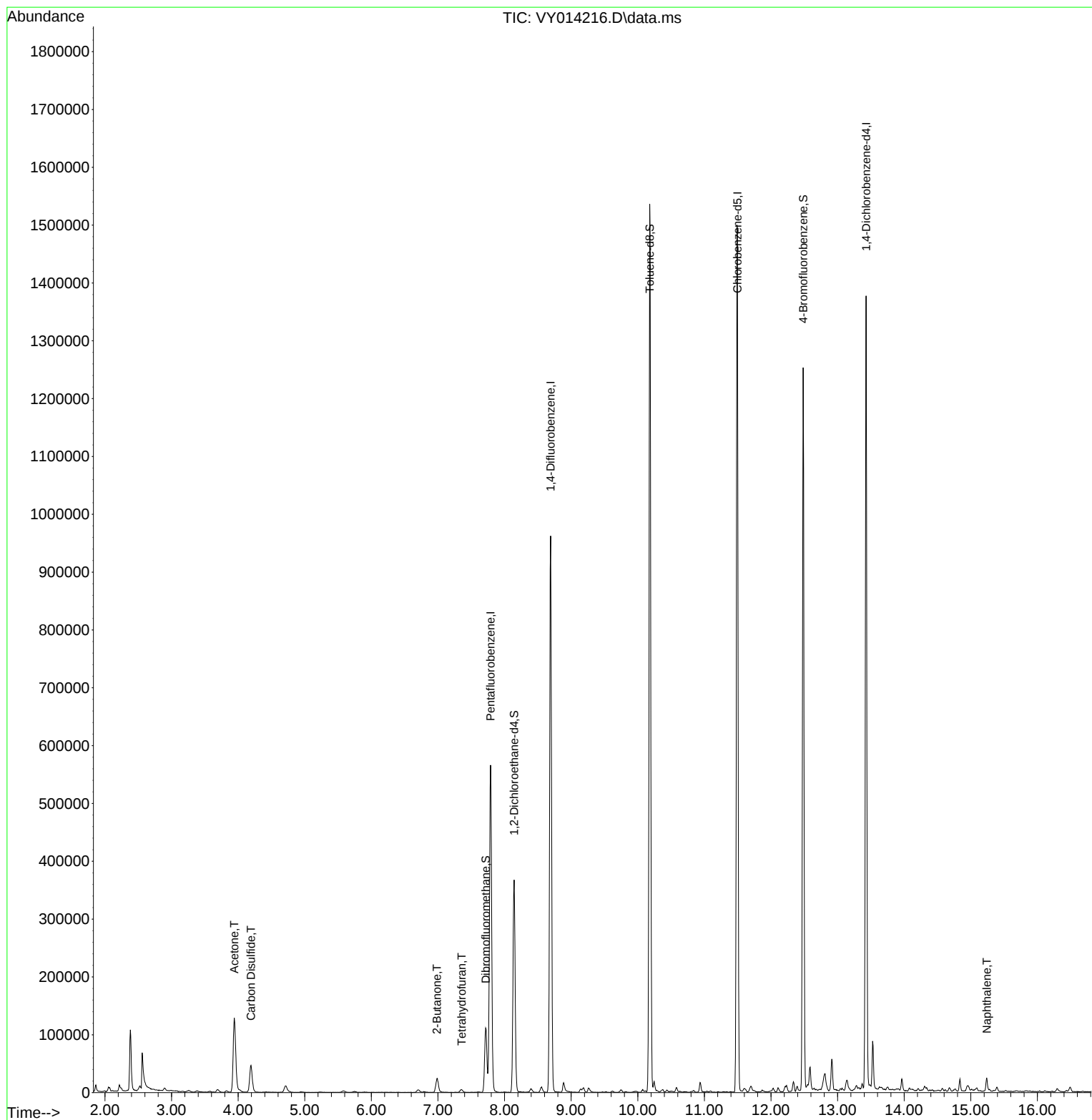
Internal Standards						
1) Pentafluorobenzene	7.789	168	438905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	795661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	800910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	335069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	305181	49.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.716	113	76823	13.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	27.220%#
50) Toluene-d8	10.179	98	980324	46.471	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.940%
62) 4-Bromofluorobenzene	12.483	95	345297	46.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.160%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	226289	122.830	ug/l	99
17) Carbon Disulfide	4.192	76	88094	5.425	ug/l	98
25) 2-Butanone	6.984	43	36627	16.151	ug/l	98
29) Tetrahydrofuran	7.356	42	3722	2.588	ug/l	96
95) Naphthalene	15.239	128	18263	1.233	ug/l	97

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

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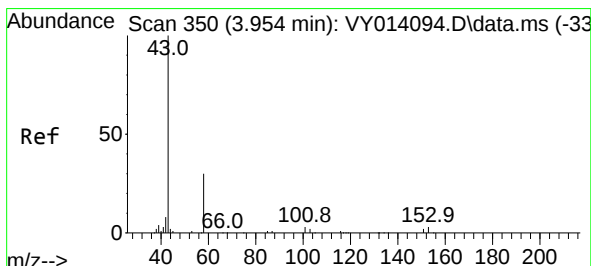
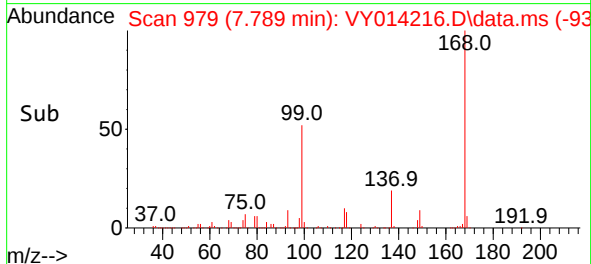
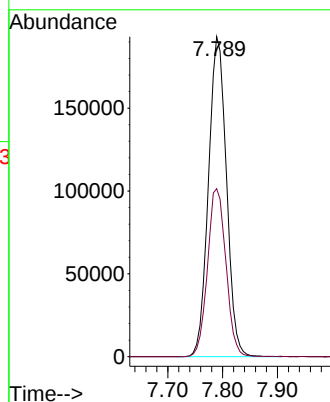
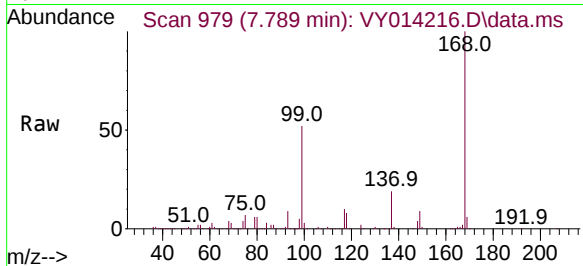




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

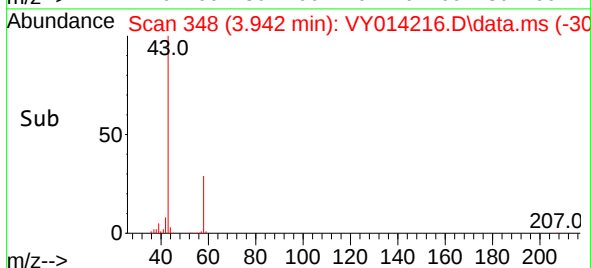
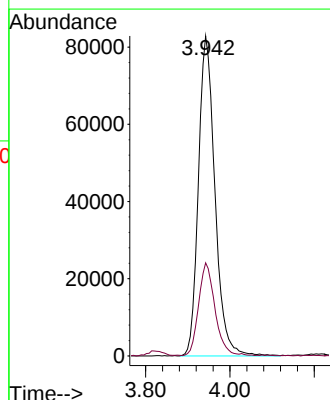
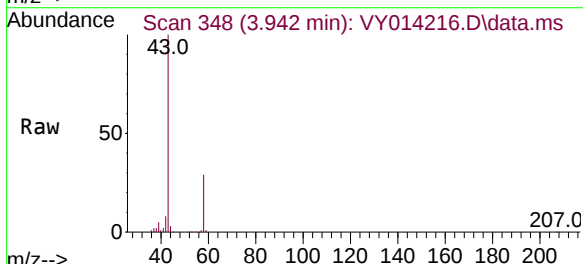
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7

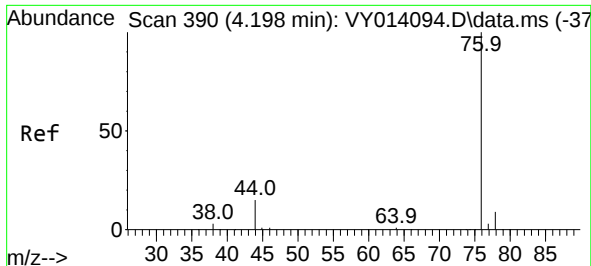
Tgt Ion:168 Resp: 438905
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#16
Acetone
Concen: 122.830 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Tgt Ion: 43 Resp: 226289
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1

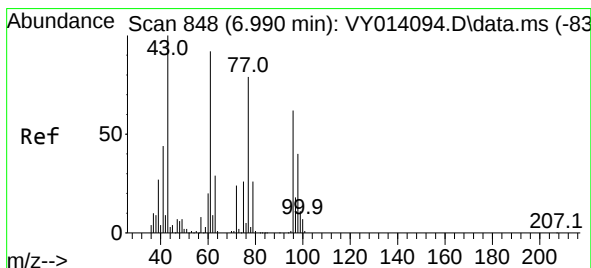
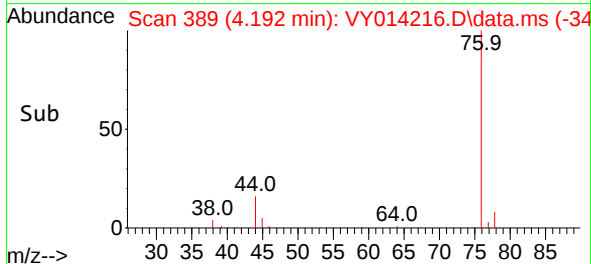
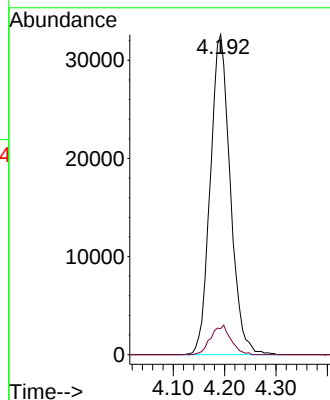
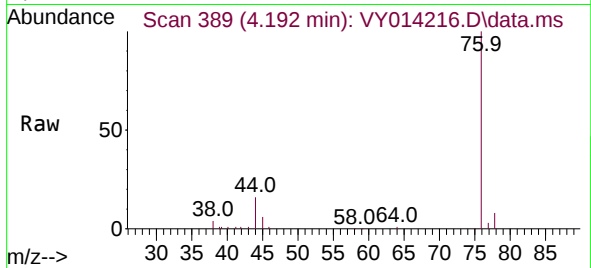




#17
Carbon Disulfide
Concen: 5.425 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

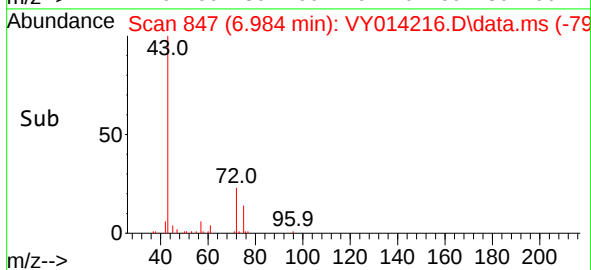
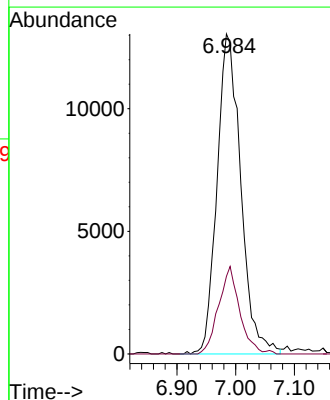
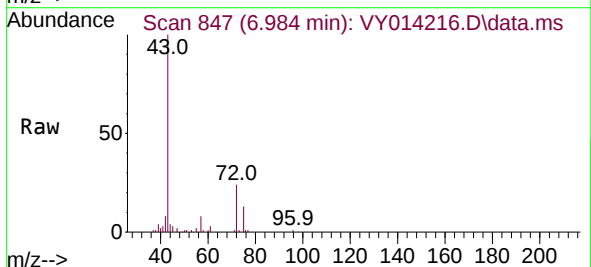
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7

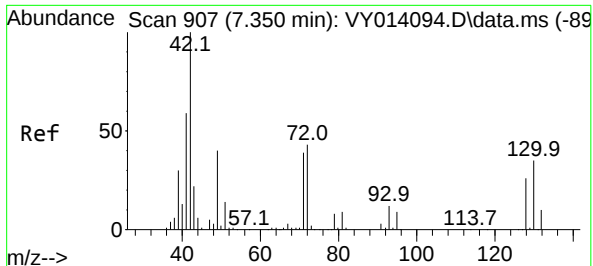
Tgt Ion: 76 Resp: 88094
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



#25
2-Butanone
Concen: 16.151 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014216.D
Acq: 16 Jun 2023 20:18

Tgt Ion: 43 Resp: 36627
Ion Ratio Lower Upper
43 100
72 24.4 20.5 30.7





#29

Tetrahydrofuran

Concen: 2.588 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014216.D

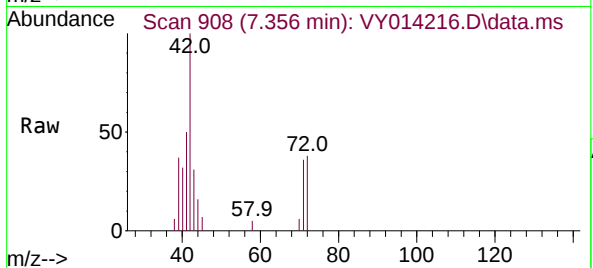
Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7



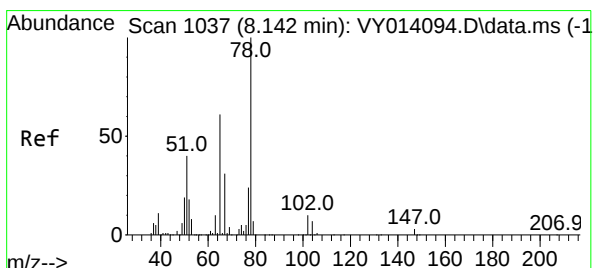
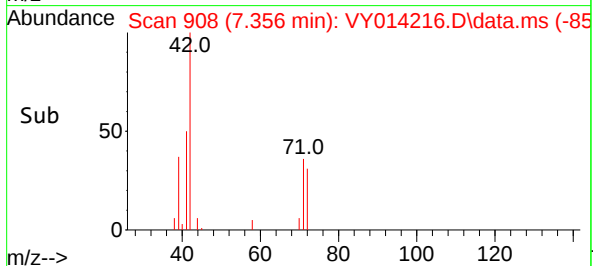
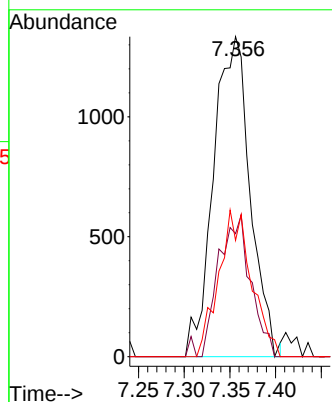
Tgt Ion: 42 Resp: 3722

Ion Ratio Lower Upper

42 100

72 38.5 32.8 49.2

71 40.8 31.0 46.4



#33

1,2-Dichloroethane-d4

Concen: 49.933 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014216.D

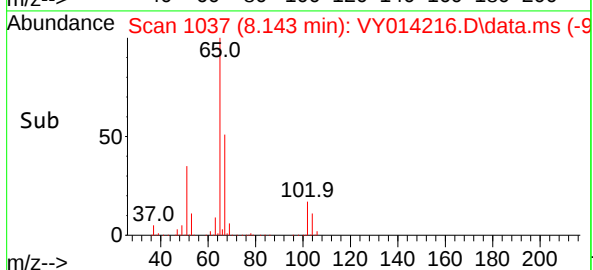
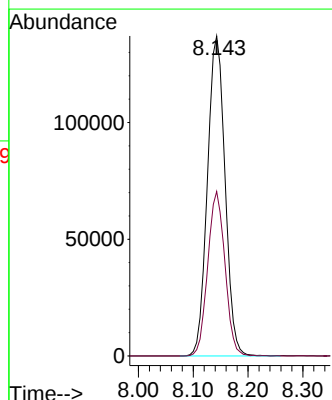
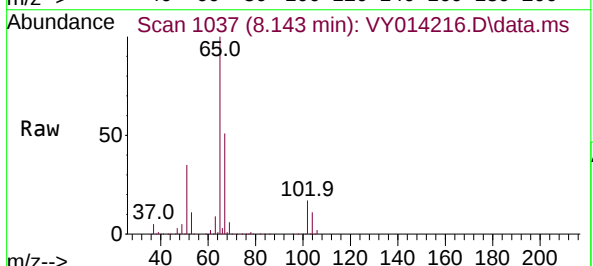
Acq: 16 Jun 2023 20:18

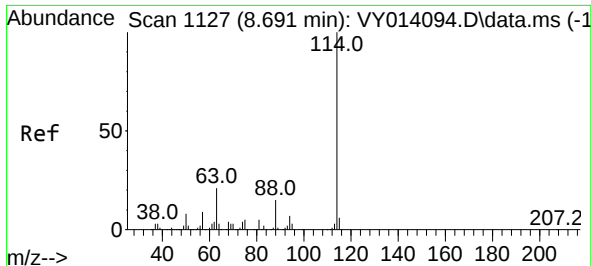
Tgt Ion: 65 Resp: 305181

Ion Ratio Lower Upper

65 100

67 50.2 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: VY014216.D

Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7

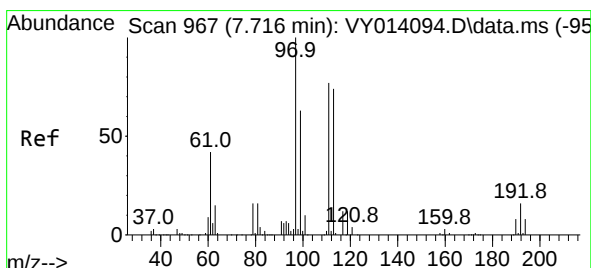
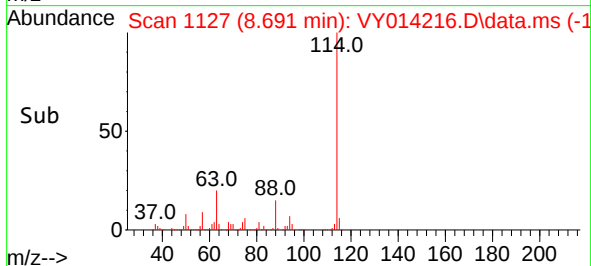
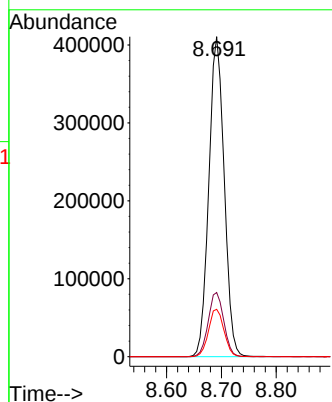
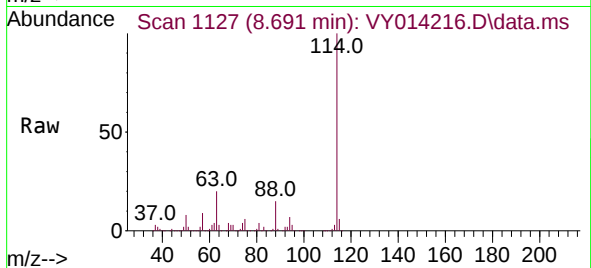
Tgt Ion:114 Resp: 795661

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 13.615 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

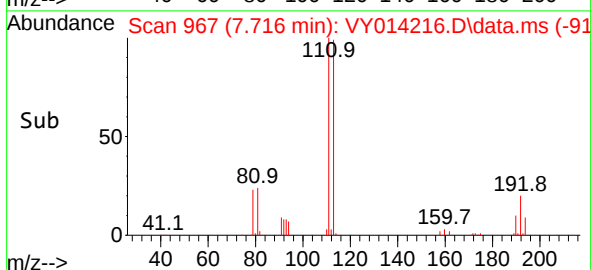
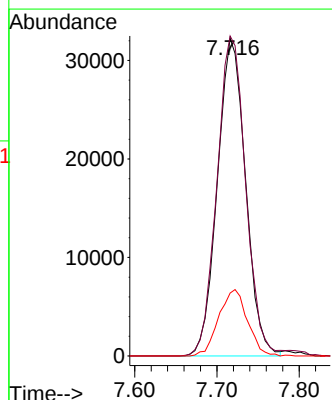
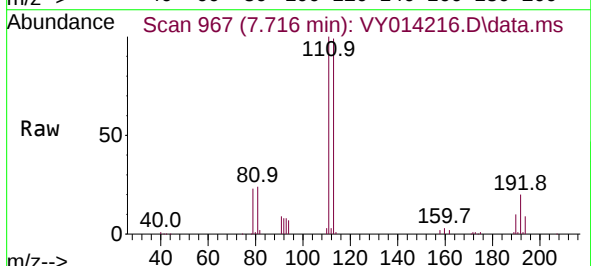
Tgt Ion:113 Resp: 76823

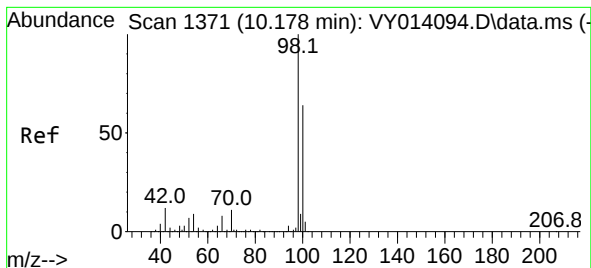
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 21.4 16.9 25.3





#50

Toluene-d8

Concen: 46.471 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

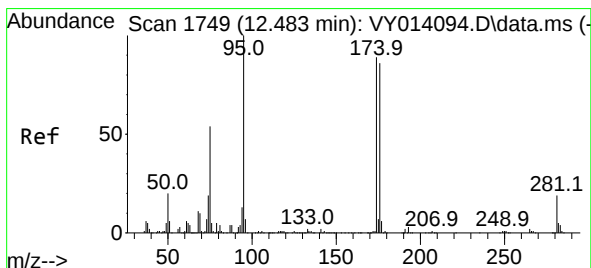
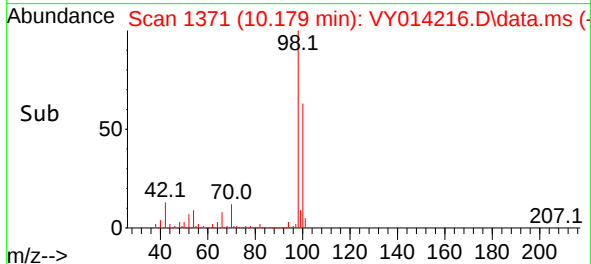
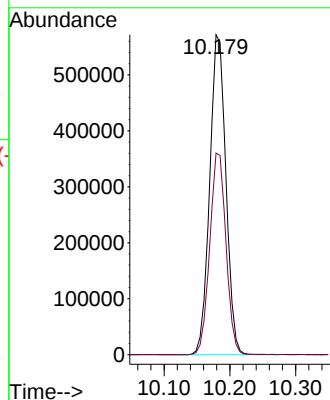
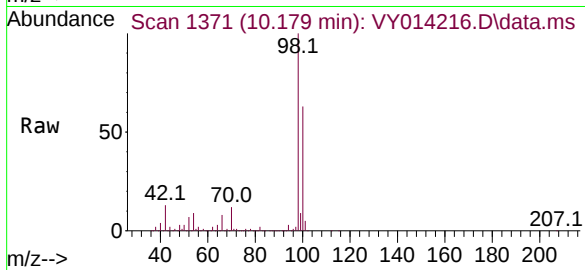
TOTAL-VOC-SB-34-GRAB-7

Tgt Ion: 98 Resp: 980324

Ion Ratio Lower Upper

98 100

100 63.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.078 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014216.D

Acq: 16 Jun 2023 20:18

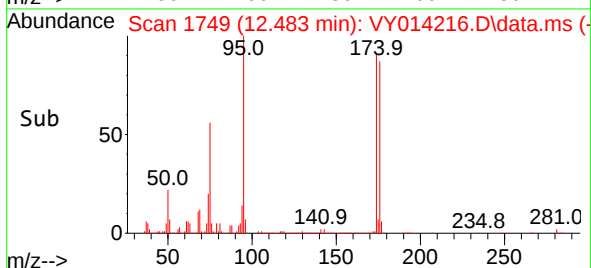
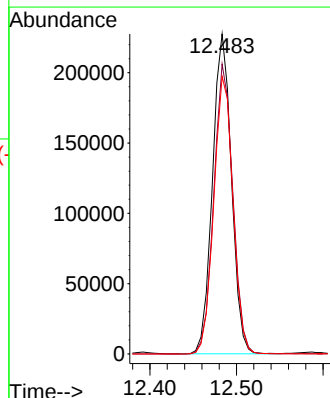
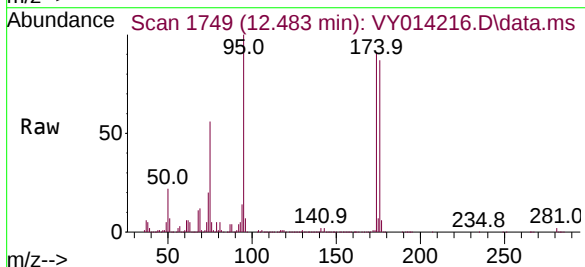
Tgt Ion: 95 Resp: 345297

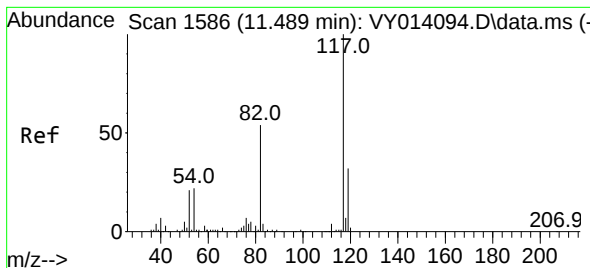
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 88.1 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: VY014216.D

Acq: 16 Jun 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7

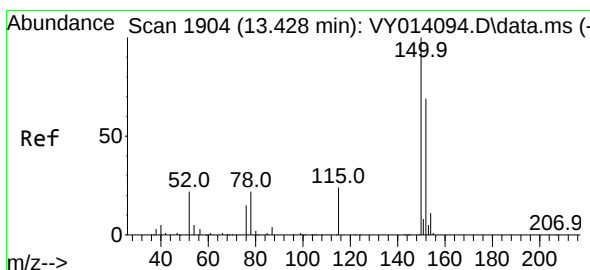
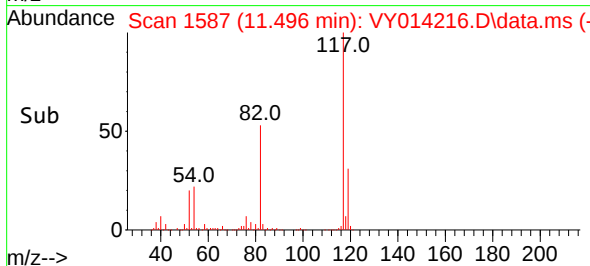
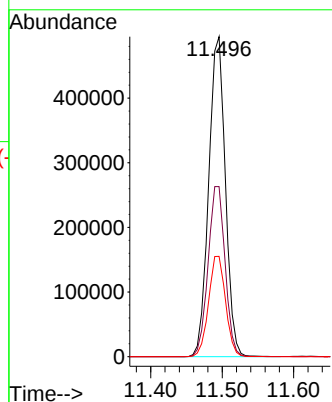
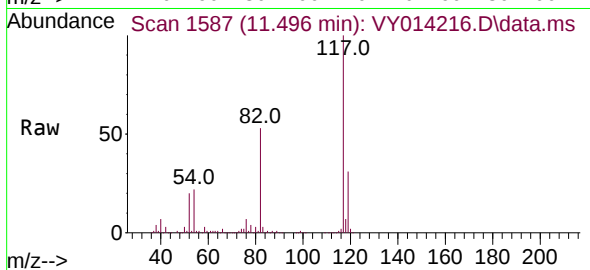
Tgt Ion:117 Resp: 800910

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.3 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: VY014216.D

Acq: 16 Jun 2023 20:18

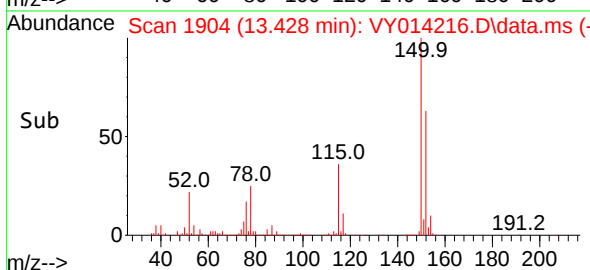
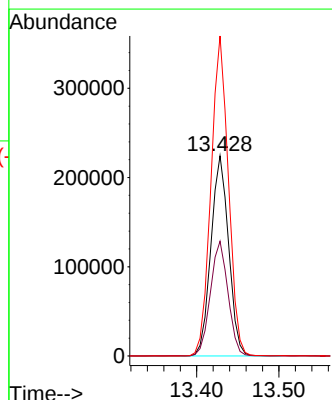
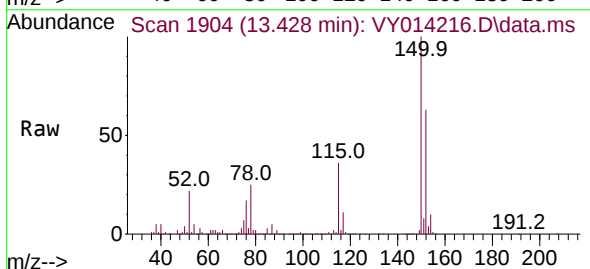
Tgt Ion:152 Resp: 335069

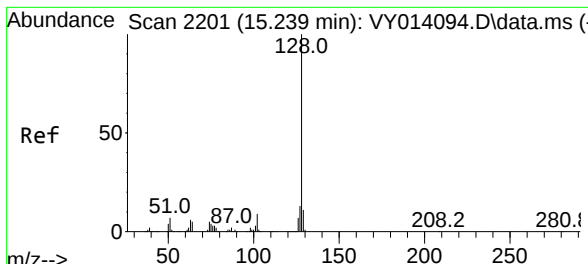
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

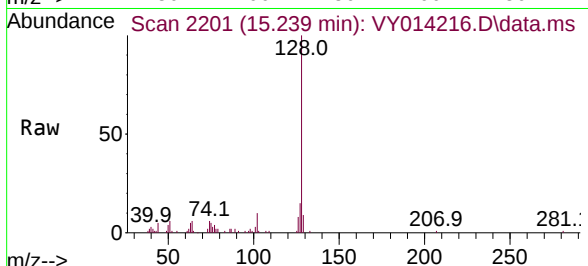
150 157.3 0.0 348.8





#95
 Naphthalene
 Concen: 1.233 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014216.D
 Acq: 16 Jun 2023 20:18

Instrument :
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 TOTAL-VOC-SB-34-GRAB-7



Tgt Ion:	128	Resp:	18263
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	11.3	8.6	13.0

