

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014189.D
 Acq On : 15 Jun 2023 15:06
 Operator : KP/MD
 Sample : 03222-23
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-16-GRAB-6

Quant Time: Jun 16 02:08:57 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)

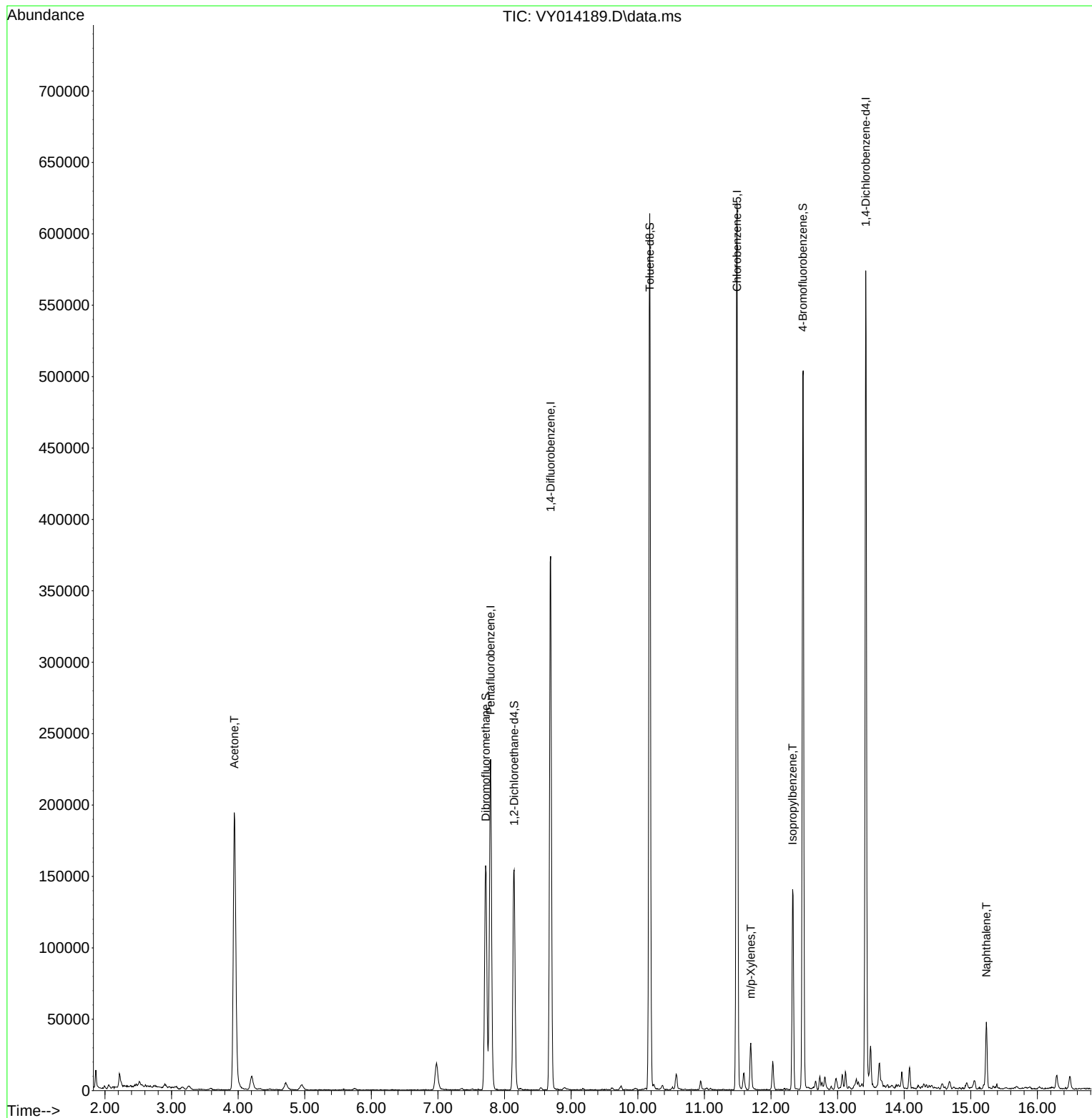
Internal Standards						
1) Pentafluorobenzene	7.789	168	178403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	316941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	130040	52.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.680%	
35) Dibromofluoromethane	7.716	113	108325	48.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.380%	
50) Toluene-d8	10.179	98	392452	46.703	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.400%	
62) 4-Bromofluorobenzene	12.477	95	140068	46.923	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.840%	
Target Compounds						
16) Acetone	3.942	43	340134	454.213	ug/l	98
68) m/p-Xylenes	11.697	106	8969	1.689	ug/l	98
73) Isopropylbenzene	12.325	105	85012	7.773	ug/l	98
95) Naphthalene	15.233	128	37397	5.900	ug/l	99

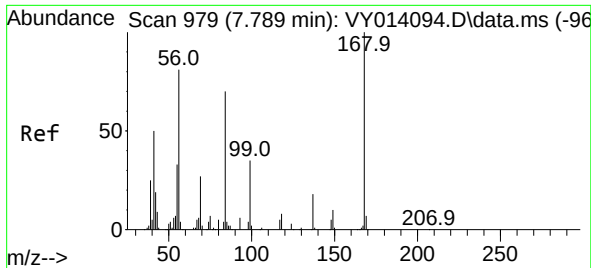
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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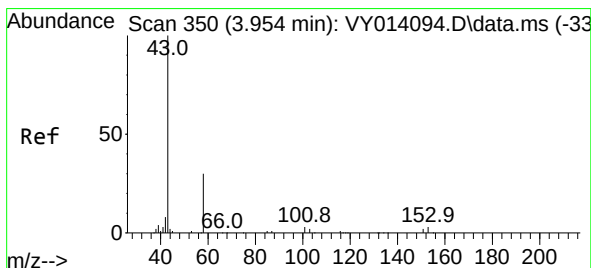
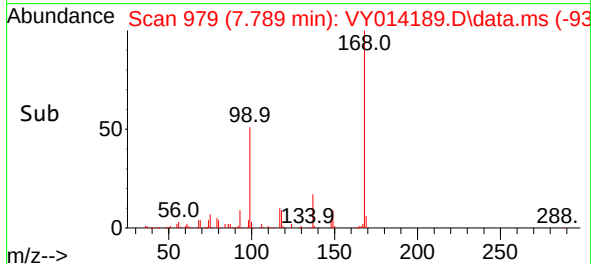
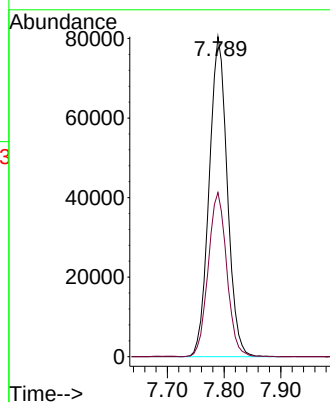
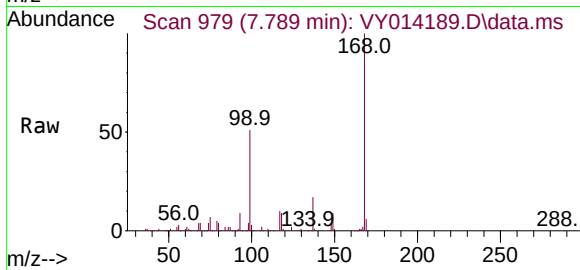




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

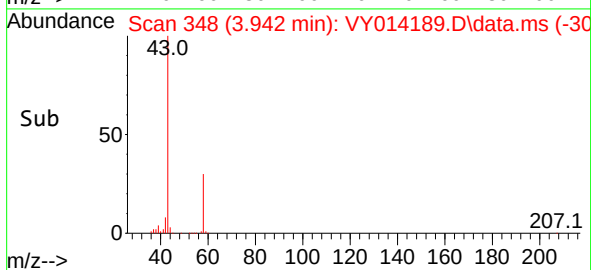
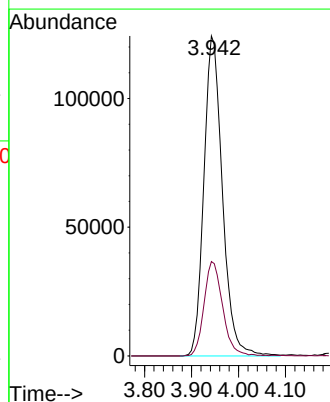
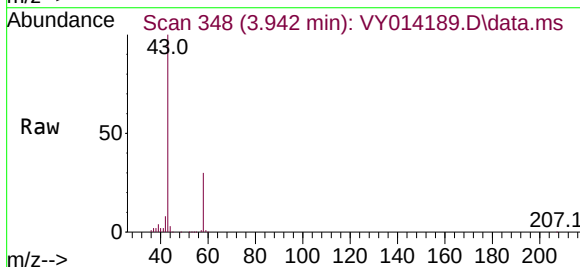
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

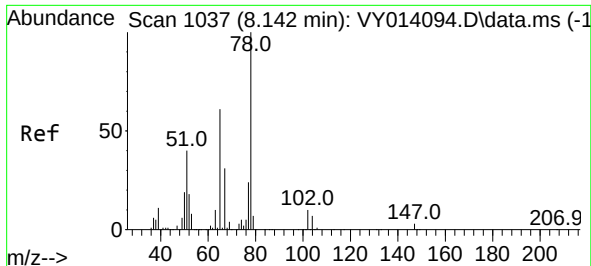
Tgt Ion:168 Resp: 178403
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#16
Acetone
Concen: 454.213 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 43 Resp: 340134
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 52.345 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY014189.D

Acq: 15 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

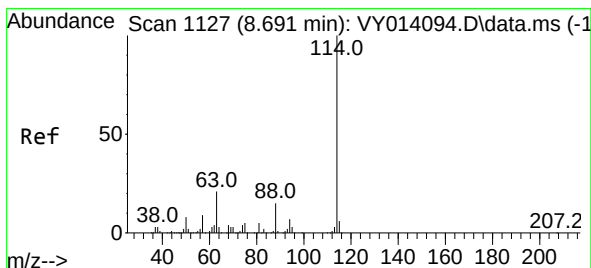
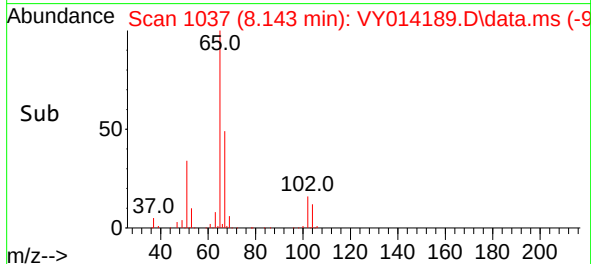
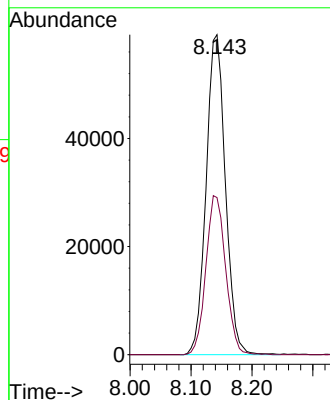
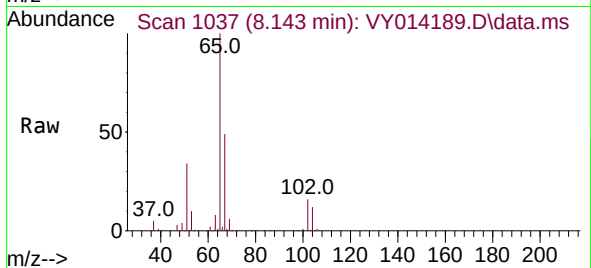
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion: 65 Resp: 130040

Ion Ratio Lower Upper

65 100

67 51.0 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: VY014189.D

Acq: 15 Jun 2023 15:06

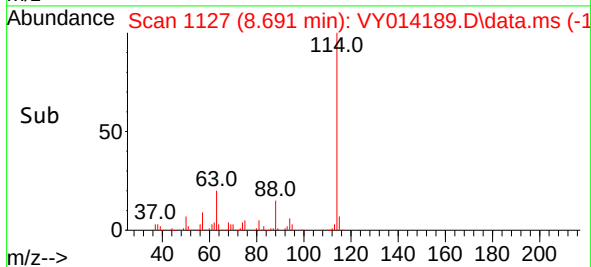
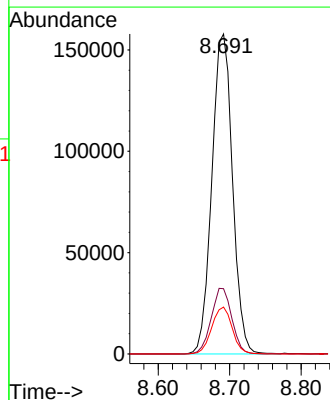
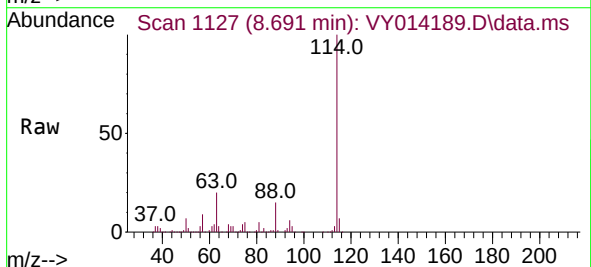
Tgt Ion: 114 Resp: 316941

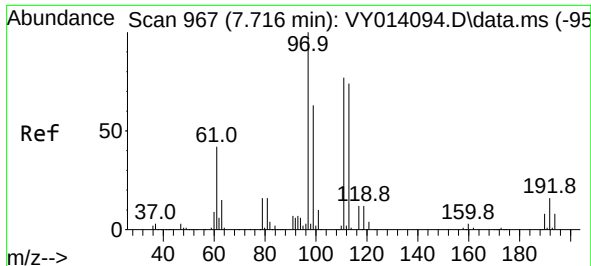
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 14.6 0.0 30.6

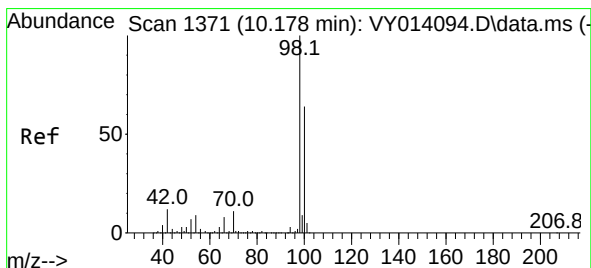
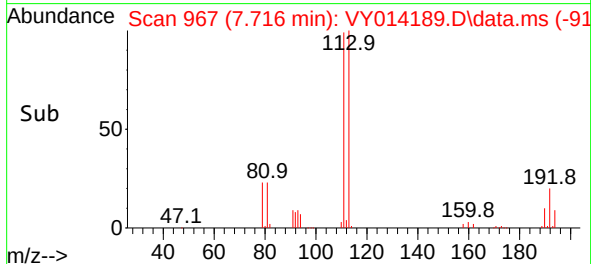
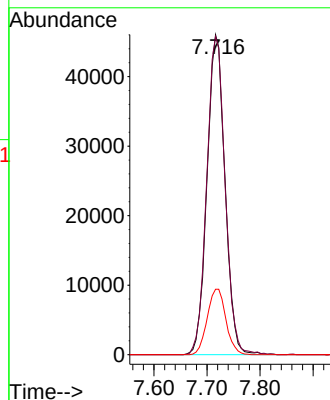
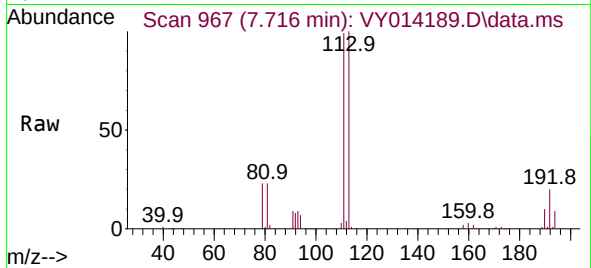




#35
Dibromofluoromethane
Concen: 48.194 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

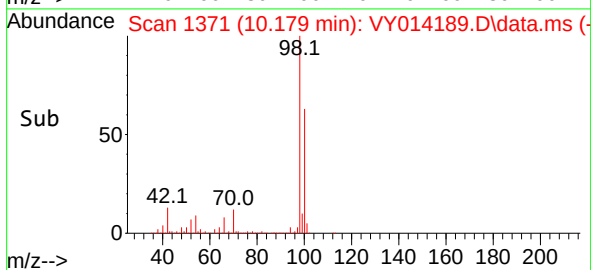
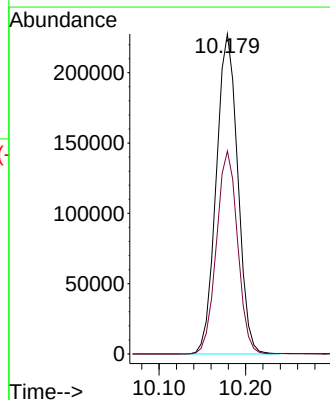
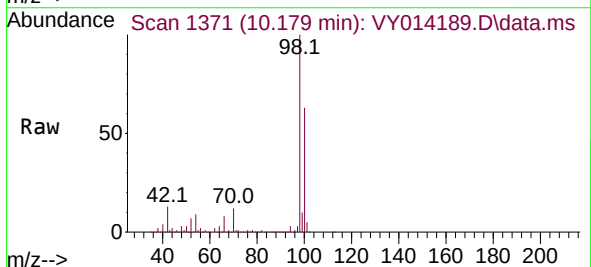
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

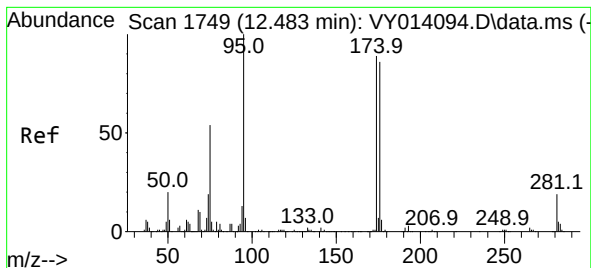
Tgt Ion:113 Resp: 108325
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 21.3 16.9 25.3



#50
Toluene-d8
Concen: 46.703 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion: 98 Resp: 392452
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 46.923 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014189.D

Acq: 15 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-16-GRAB-6

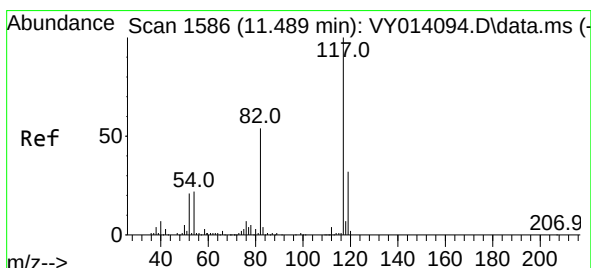
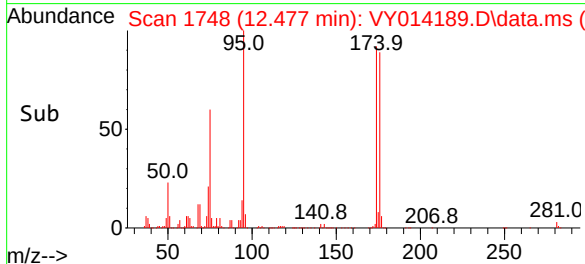
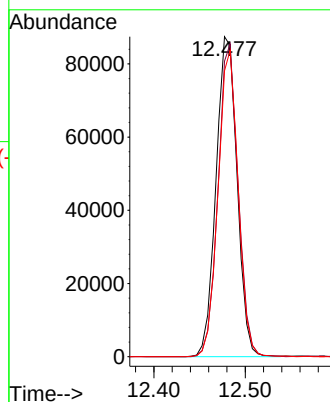
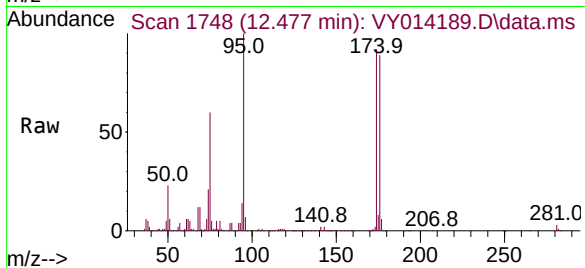
Tgt Ion: 95 Resp: 140068

Ion Ratio Lower Upper

95 100

174 93.0 0.0 178.2

176 91.5 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: VY014189.D

Acq: 15 Jun 2023 15:06

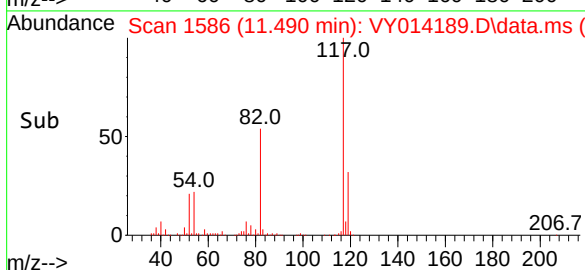
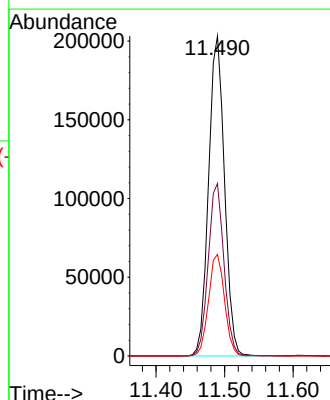
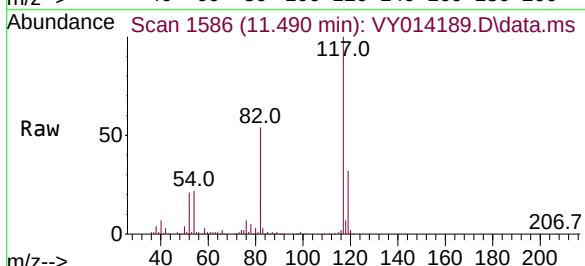
Tgt Ion: 117 Resp: 328337

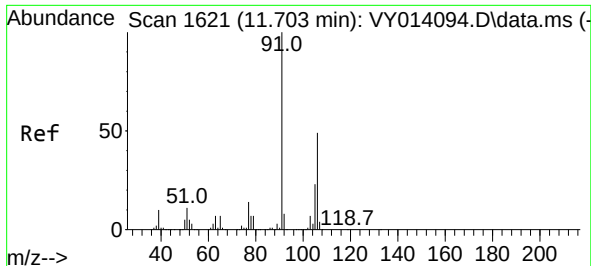
Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 31.8 26.3 39.5

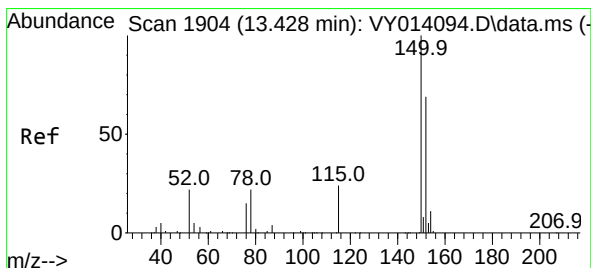
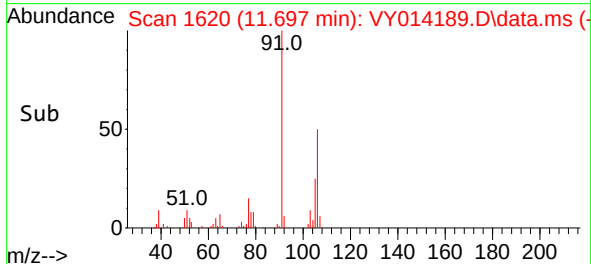
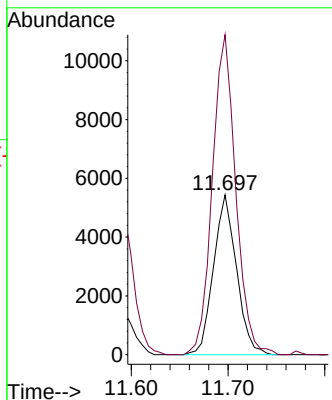
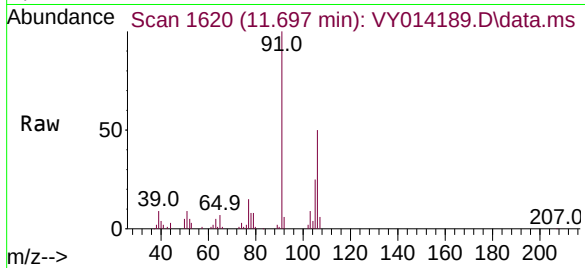




#68
m/p-Xylenes
Concen: 1.689 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

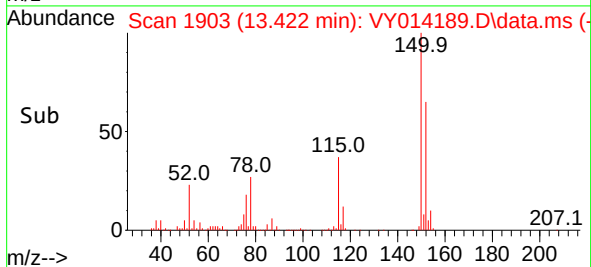
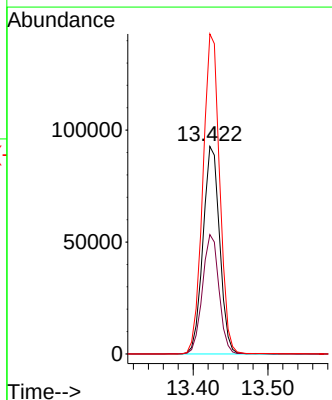
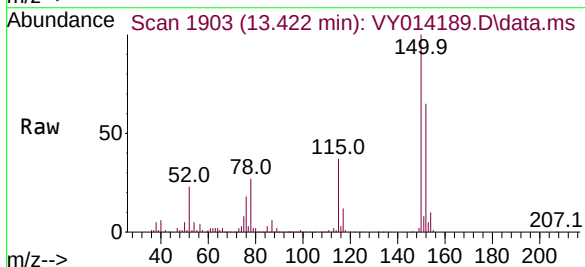
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

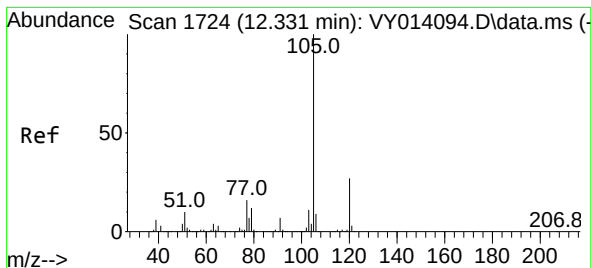
Tgt Ion:106 Resp: 8969
Ion Ratio Lower Upper
106 100
91 203.9 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014189.D
Acq: 15 Jun 2023 15:06

Tgt Ion:152 Resp: 143366
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 155.2 0.0 348.8





#73

Isopropylbenzene

Concen: 7.773 ug/l

RT: 12.325 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014189.D

Acq: 15 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

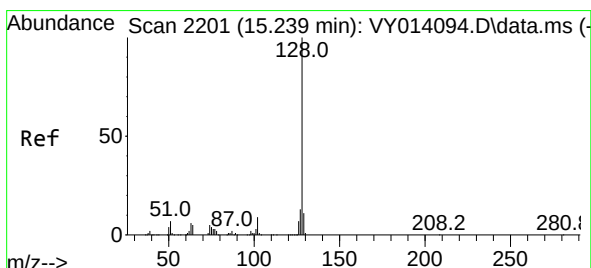
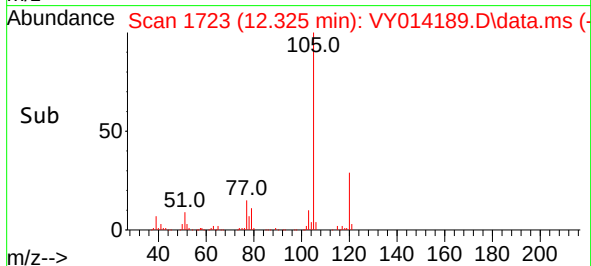
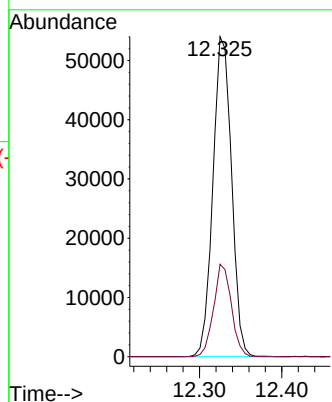
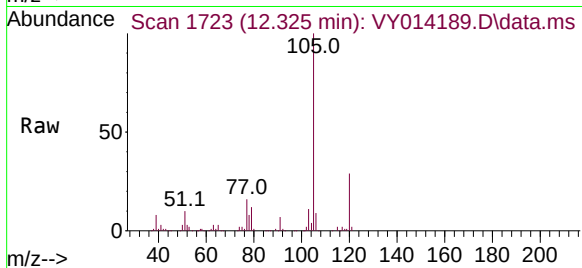
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion:105 Resp: 85012

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9



#95

Naphthalene

Concen: 5.900 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY014189.D

Acq: 15 Jun 2023 15:06

Tgt Ion:128 Resp: 37397

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 11.1 8.6 13.0

