

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014381.D
 Acq On : 22 Jun 2023 16:02
 Operator : KP/MD
 Sample : 03298-11
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-05-GRAB-6

Quant Time: Jun 22 17:25:55 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)

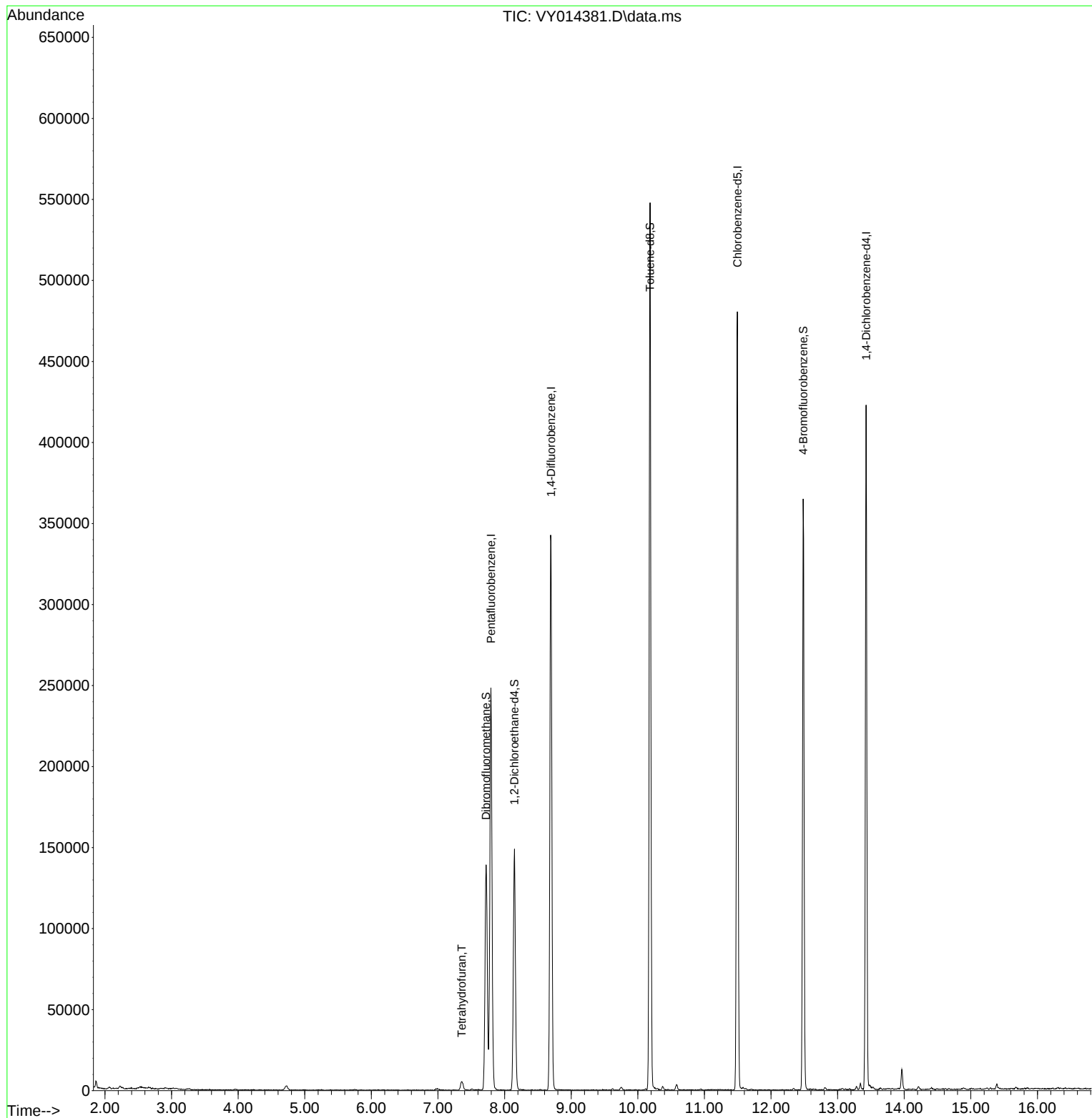
Internal Standards						
1) Pentafluorobenzene	7.795	168	193173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	295125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124455	46.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.540%
35) Dibromofluoromethane	7.722	113	94265	45.039	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.080%
50) Toluene-d8	10.185	98	350030	44.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.460%
62) 4-Bromofluorobenzene	12.483	95	100475	36.148	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.300%
Target Compounds						
29) Tetrahydrofuran	7.356	42	4284	6.769	ug/l	91

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

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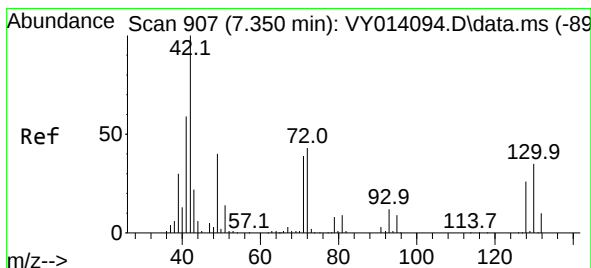
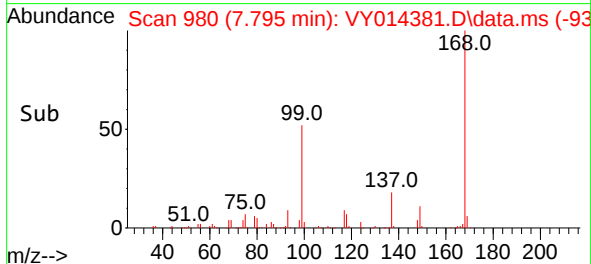
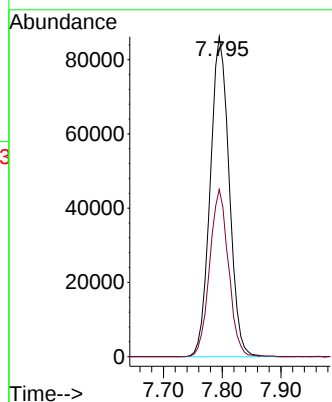
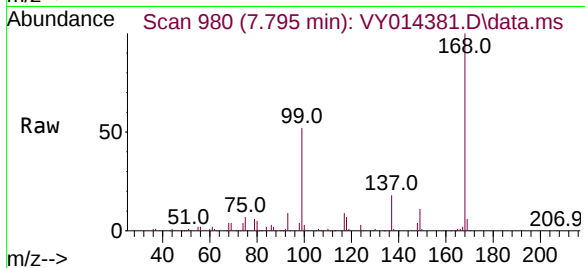




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

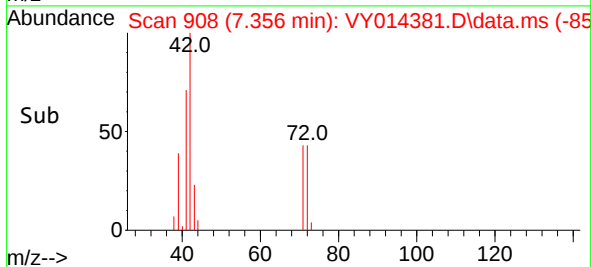
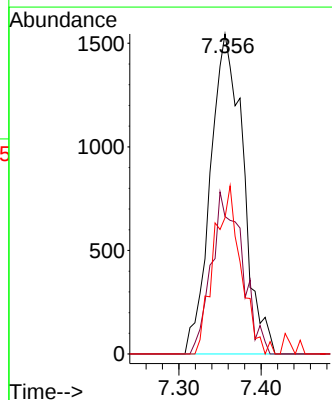
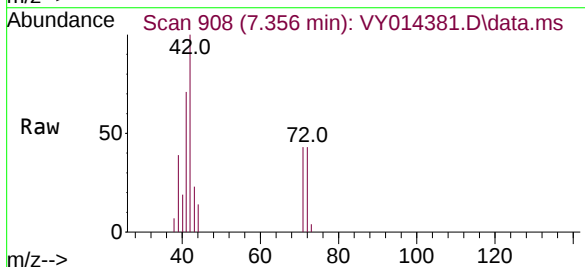
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

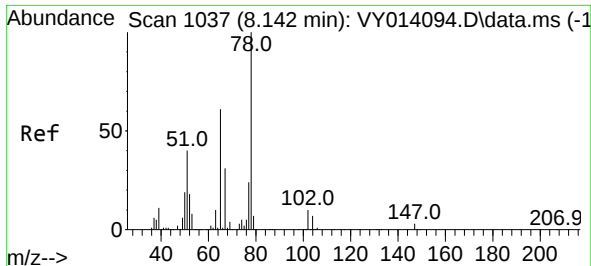
Tgt Ion:168 Resp: 193173
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#29
Tetrahydrofuran
Concen: 6.769 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 42 Resp: 4284
Ion Ratio Lower Upper
42 100
72 47.4 32.8 49.2
71 43.5 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 46.266 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014381.D

Acq: 22 Jun 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

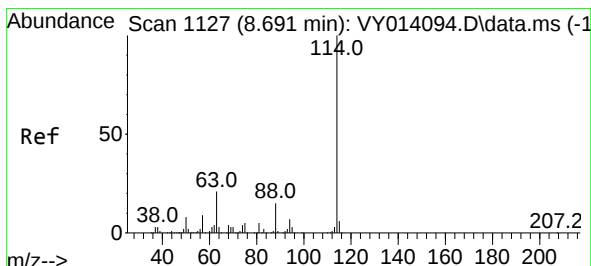
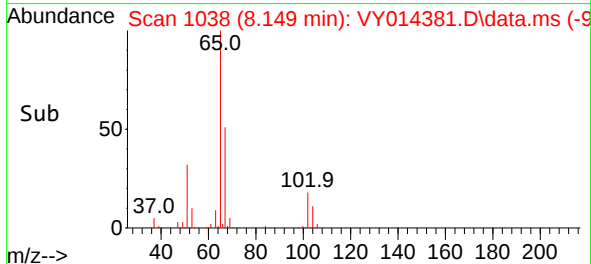
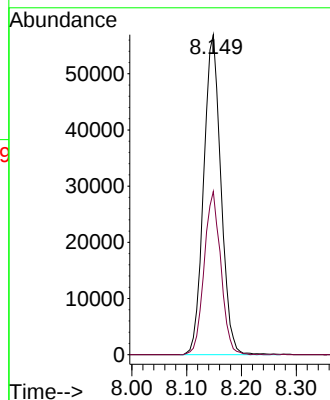
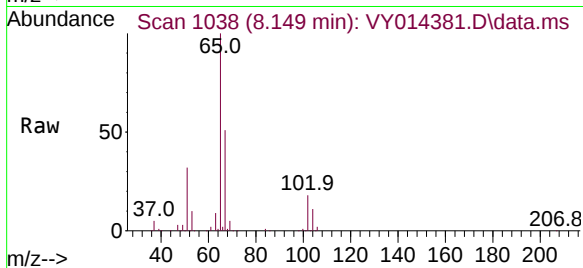
TOTAL-VOC-TW-05-GRAB-6

Tgt Ion: 65 Resp: 124455

Ion Ratio Lower Upper

65 100

67 49.1 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: VY014381.D

Acq: 22 Jun 2023 16:02

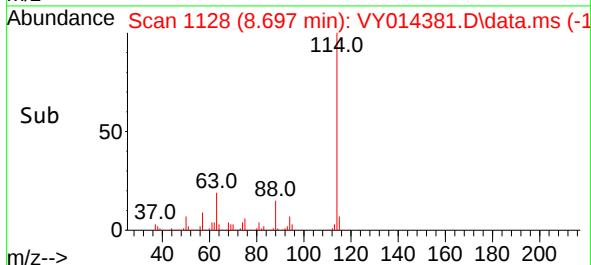
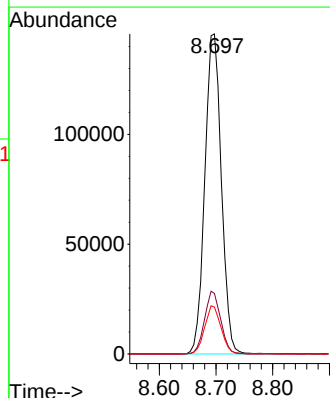
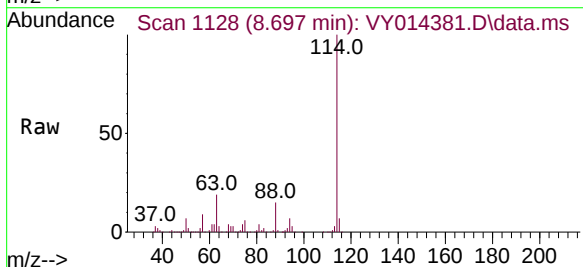
Tgt Ion:114 Resp: 295125

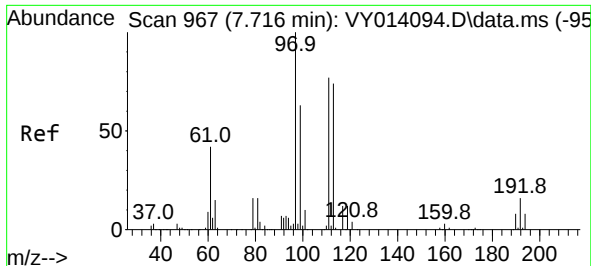
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.7 0.0 30.6

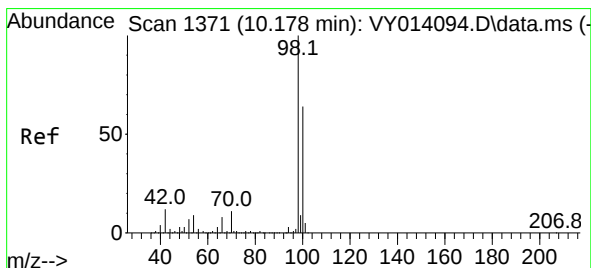
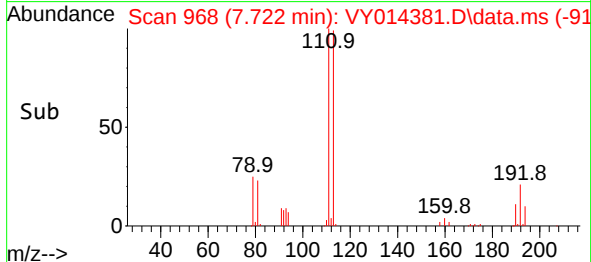
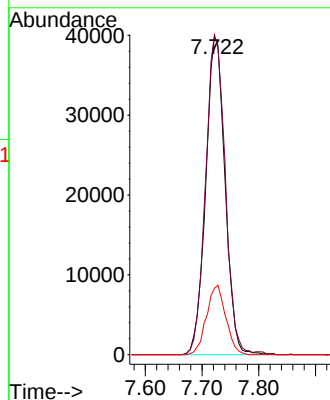
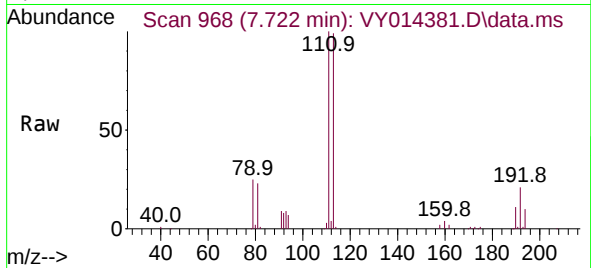




#35
Dibromofluoromethane
Concen: 45.039 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

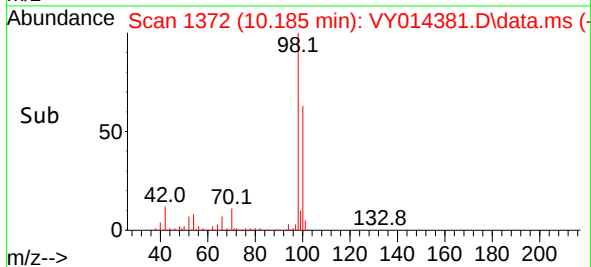
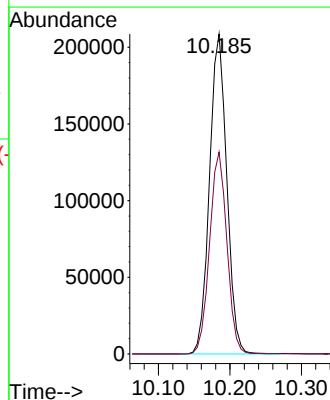
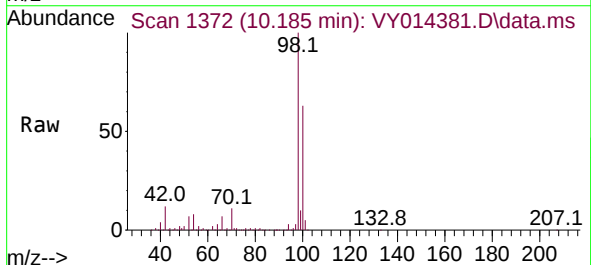
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

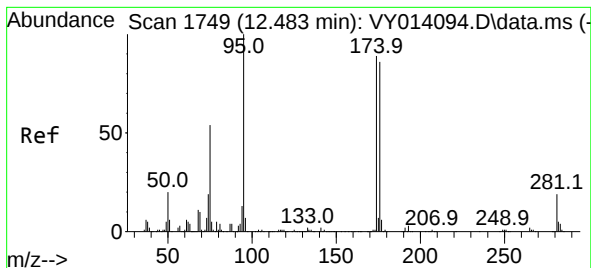
Tgt Ion:113 Resp: 94265
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.8 16.9 25.3



#50
Toluene-d8
Concen: 44.734 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 98 Resp: 350030
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1

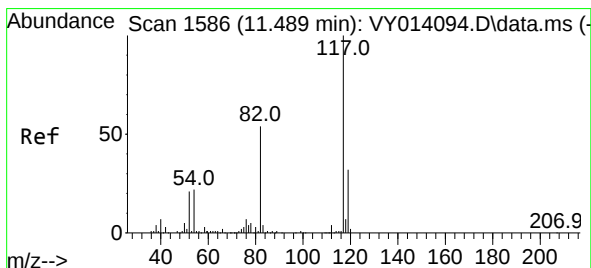
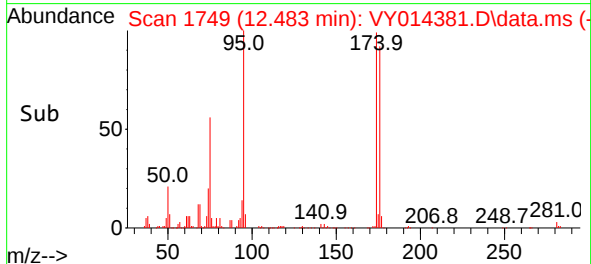
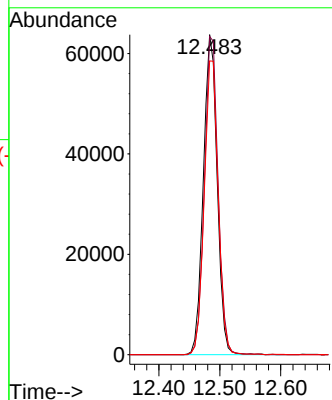
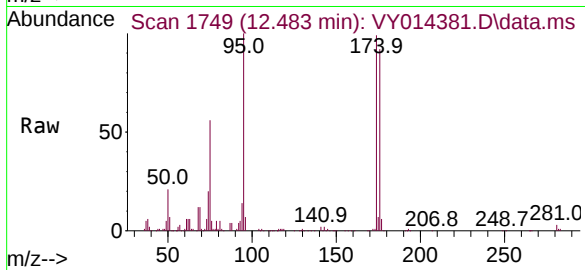




#62
4-Bromofluorobenzene
Concen: 36.148 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

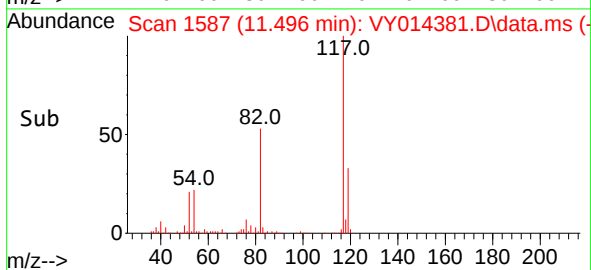
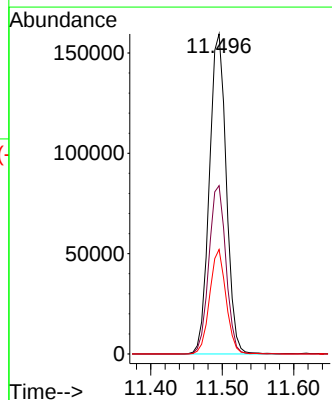
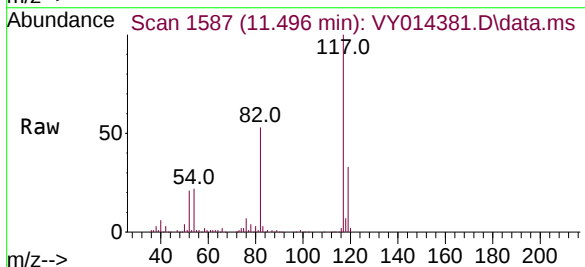
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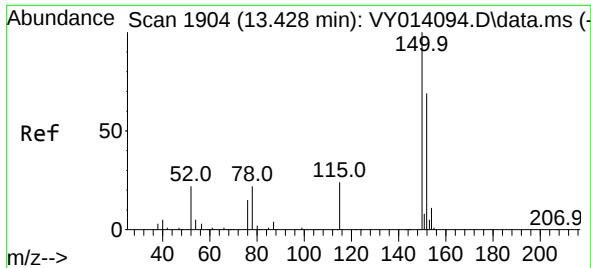
Tgt Ion: 95 Resp: 100475
Ion Ratio Lower Upper
95 100
174 98.5 0.0 178.2
176 93.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 117 Resp: 261863
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.6 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: VY014381.D

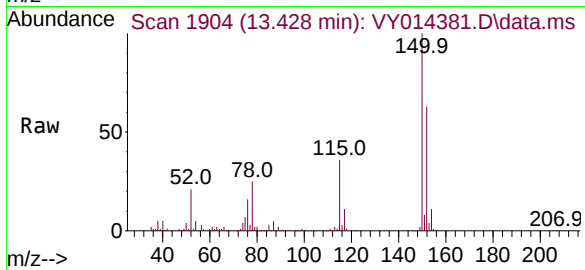
Acq: 22 Jun 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-05-GRAB-6



Tgt Ion:152 Resp: 107966

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 157.1 0.0 348.8

