

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014313.D
 Acq On : 21 Jun 2023 04:00
 Operator : KP/MD
 Sample : 03328-17
 Misc : 8.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-0-8-GRAB-6

Quant Time: Jun 21 05:10:03 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)

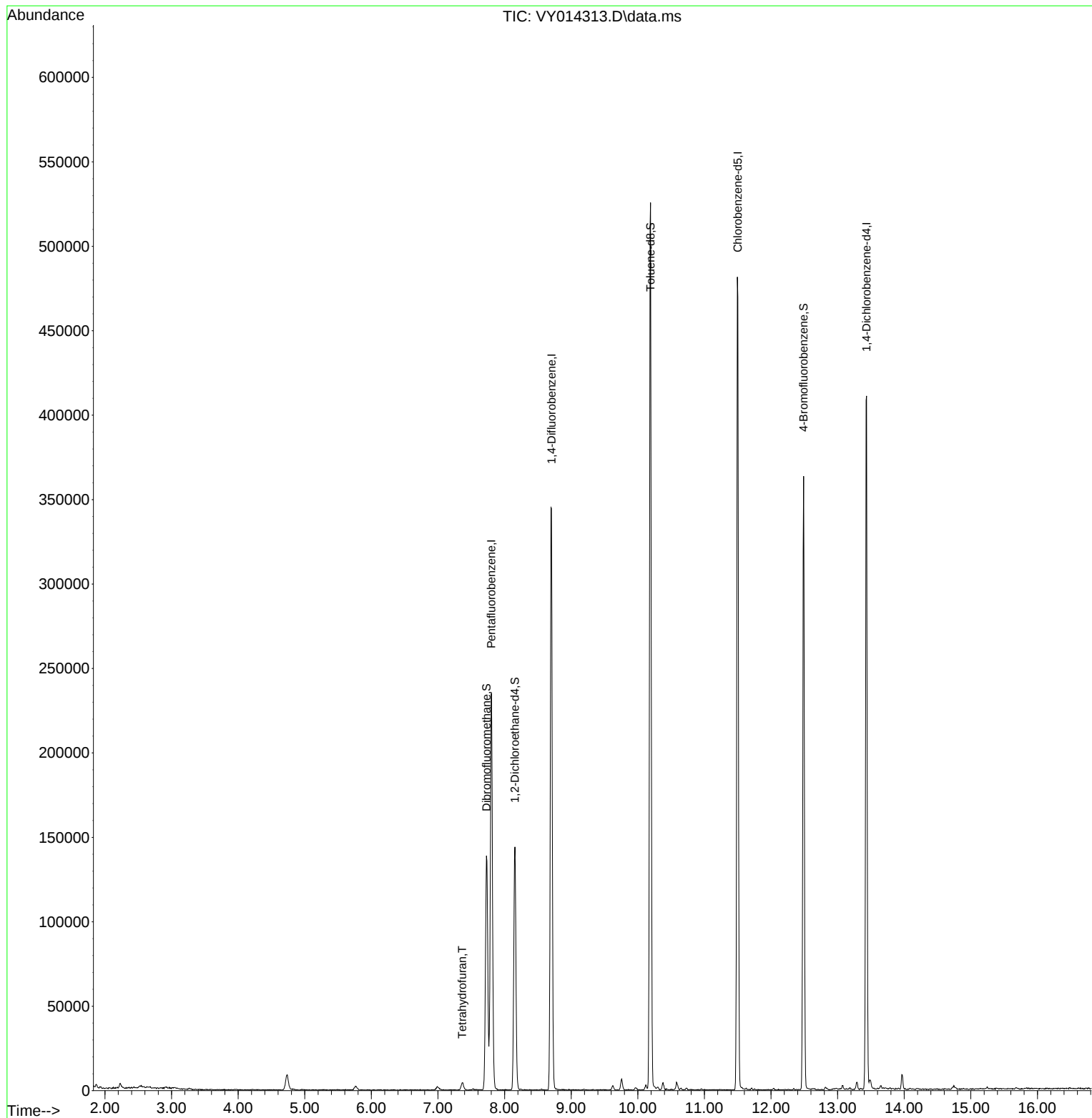
Internal Standards						
1) Pentafluorobenzene	7.801	168	180446	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	288985	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	265089	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	109097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	123802	49.270	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.540%
35) Dibromofluoromethane	7.728	113	97536	47.592	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.180%
50) Toluene-d8	10.191	98	350494	45.745	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.489	95	102754	37.753	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.500%
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.362	42	3293	5.570	ug/l	94

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

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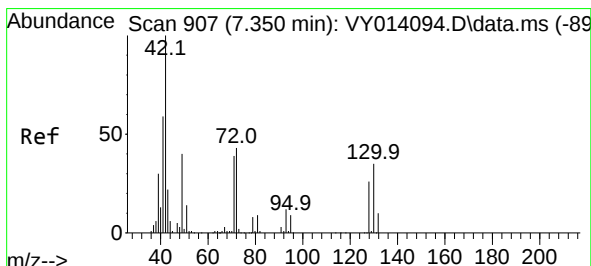
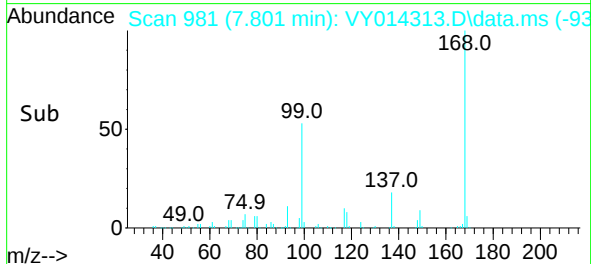
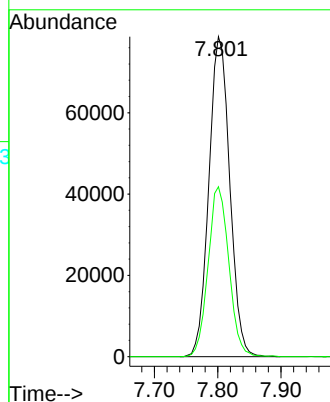
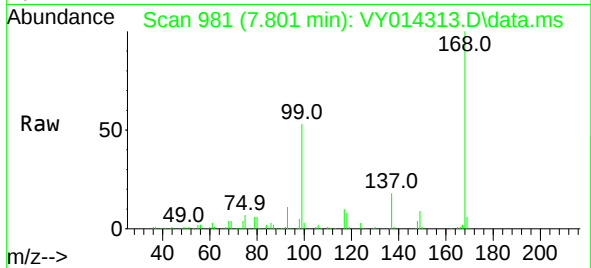




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

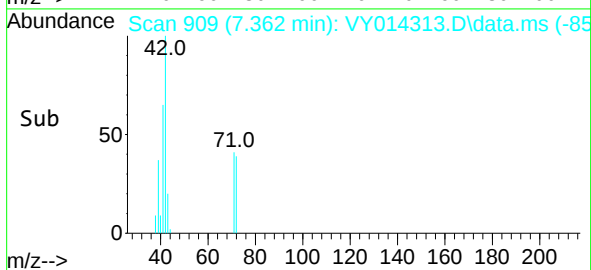
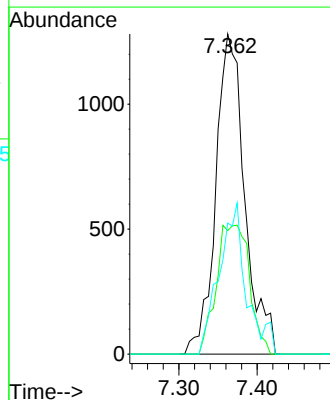
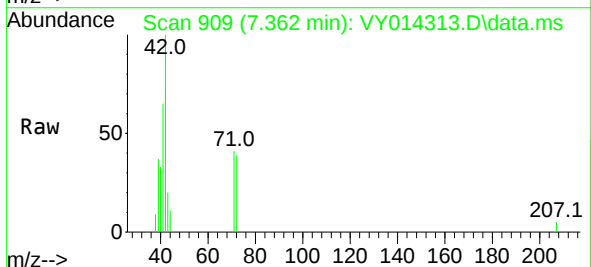
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

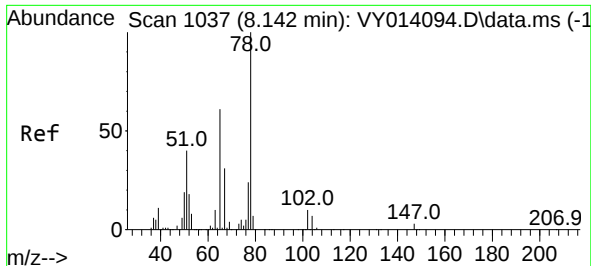
Tgt Ion:168 Resp: 180446
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#29
Tetrahydrofuran
Concen: 5.570 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 42 Resp: 3293
Ion Ratio Lower Upper
42 100
72 46.1 32.8 49.2
71 41.5 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 49.270 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. 0.013 min

Lab File: VY014313.D

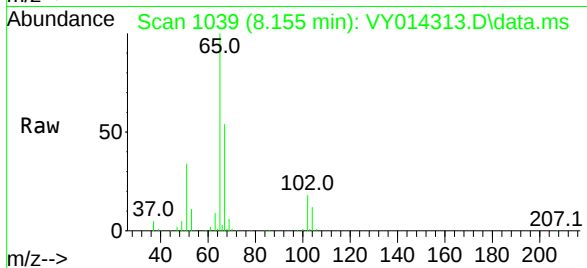
Acq: 21 Jun 2023 04:00

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW02-0-8-GRAB-6

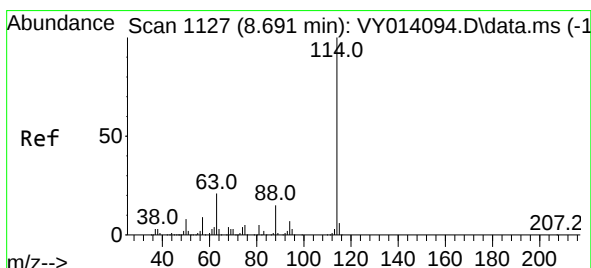
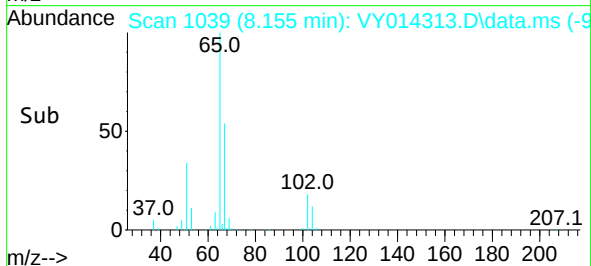
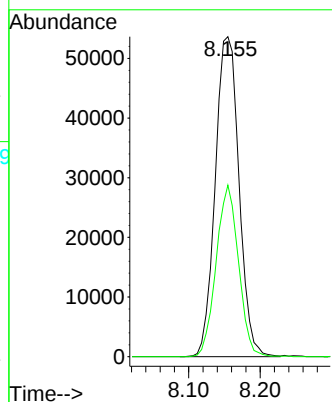


Tgt Ion: 65 Resp: 123802

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY014313.D

Acq: 21 Jun 2023 04:00

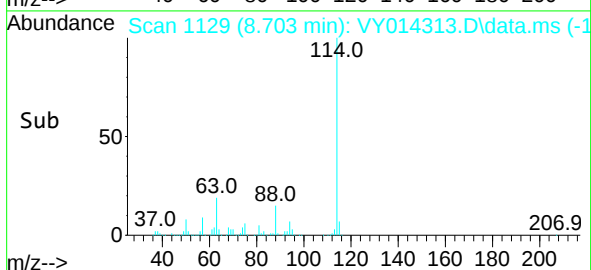
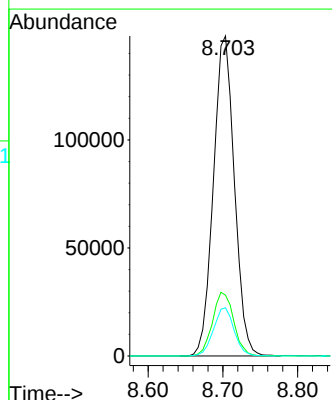
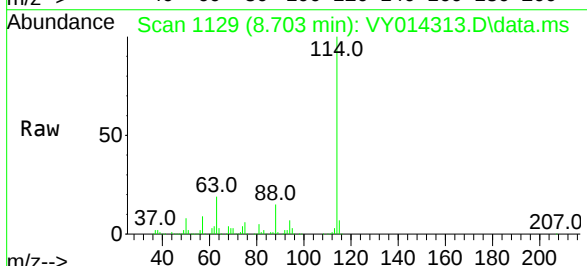
Tgt Ion: 114 Resp: 288985

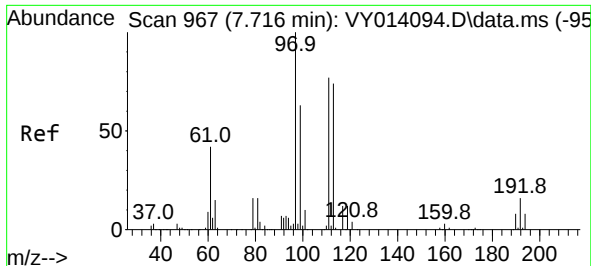
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6

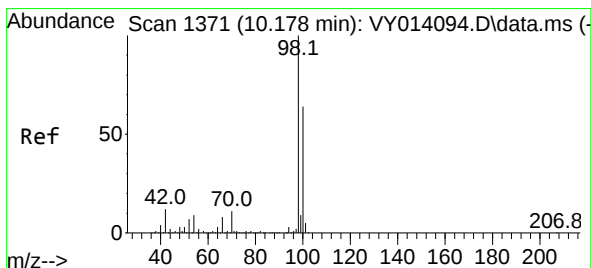
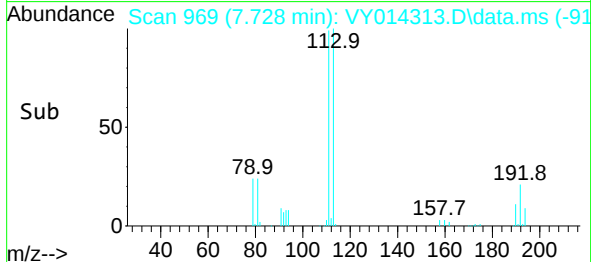
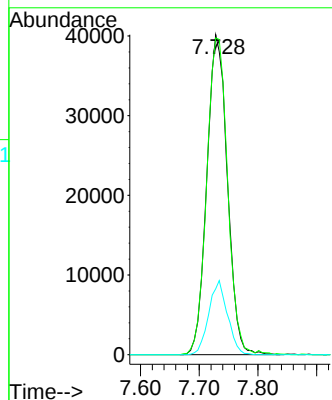
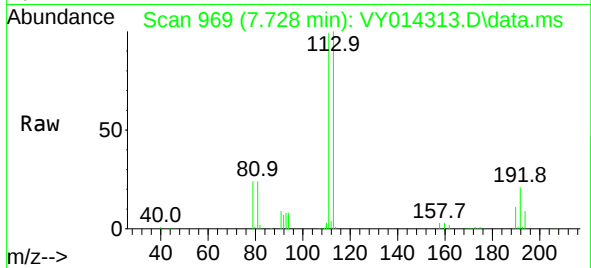




#35
Dibromofluoromethane
Concen: 47.592 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

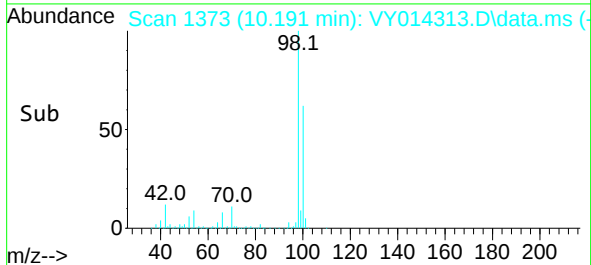
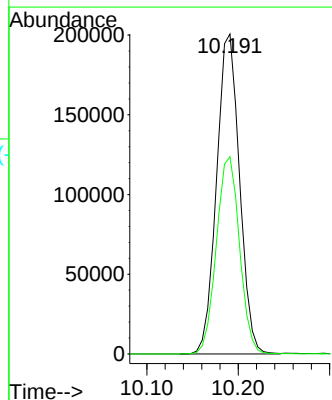
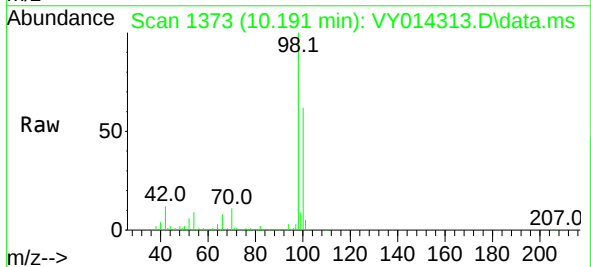
Instrument :
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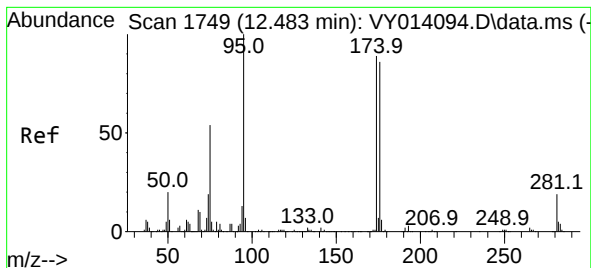
Tgt Ion:113 Resp: 97536
Ion Ratio Lower Upper
113 100
111 100.5 81.3 121.9
192 21.2 16.9 25.3



#50
Toluene-d8
Concen: 45.745 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 98 Resp: 350494
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 37.753 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY014313.D

Acq: 21 Jun 2023 04:00

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW02-0-8-GRAB-6

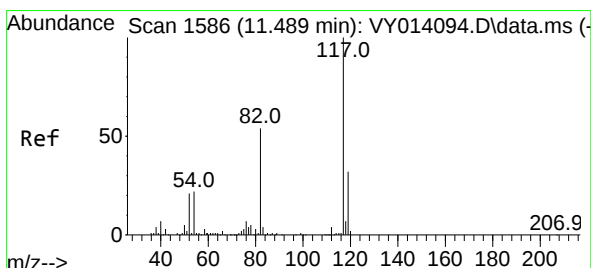
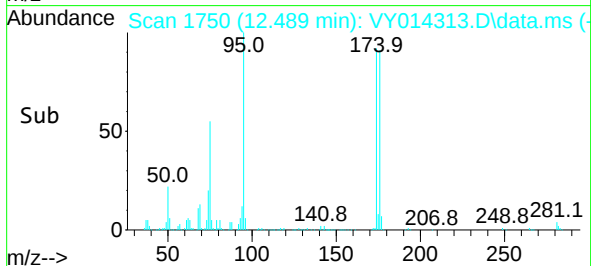
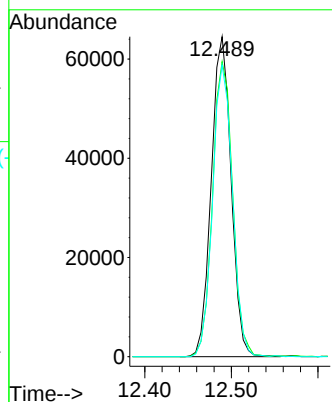
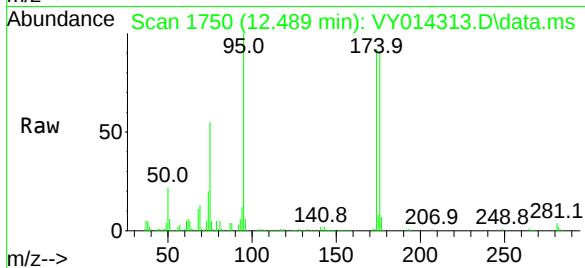
Tgt Ion: 95 Resp: 102754

Ion Ratio Lower Upper

95 100

174 93.2 0.0 178.2

176 91.0 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. 0.013 min

Lab File: VY014313.D

Acq: 21 Jun 2023 04:00

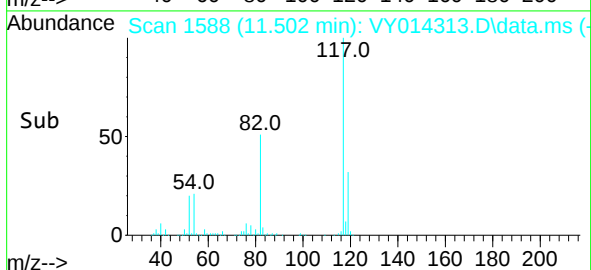
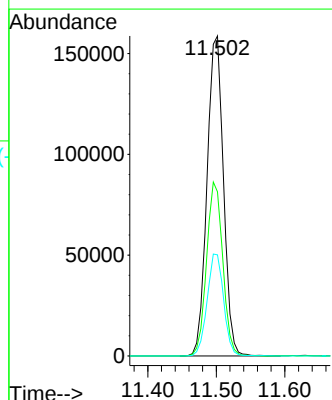
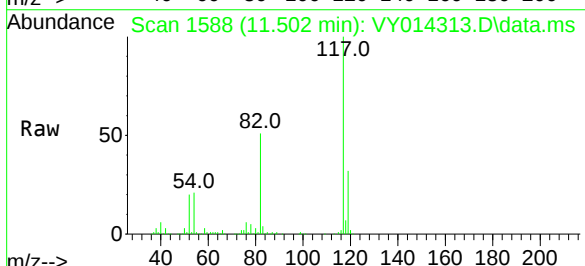
Tgt Ion: 117 Resp: 265089

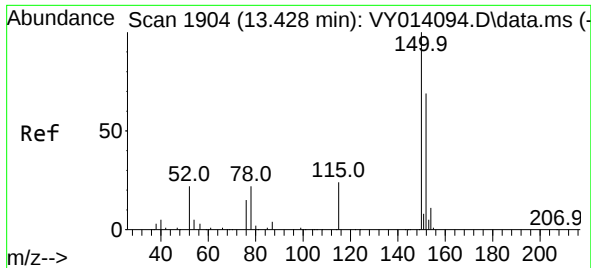
Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

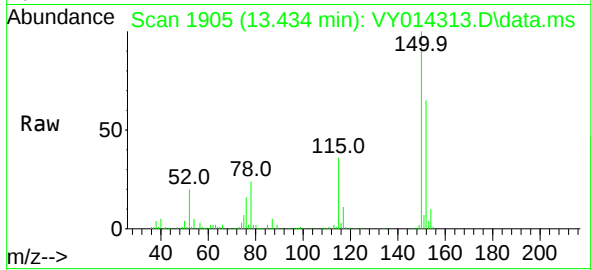
119 31.6 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY014313.D
 Acq: 21 Jun 2023 04:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-0-8-GRAB-6



Tgt Ion:152 Resp: 109097
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.8 86.5
 150 156.6 0.0 348.8

