

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014191.D
 Acq On : 15 Jun 2023 15:53
 Operator : KP/MD
 Sample : 03223-11
 Misc : 8.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jun 16 02:09:38 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)

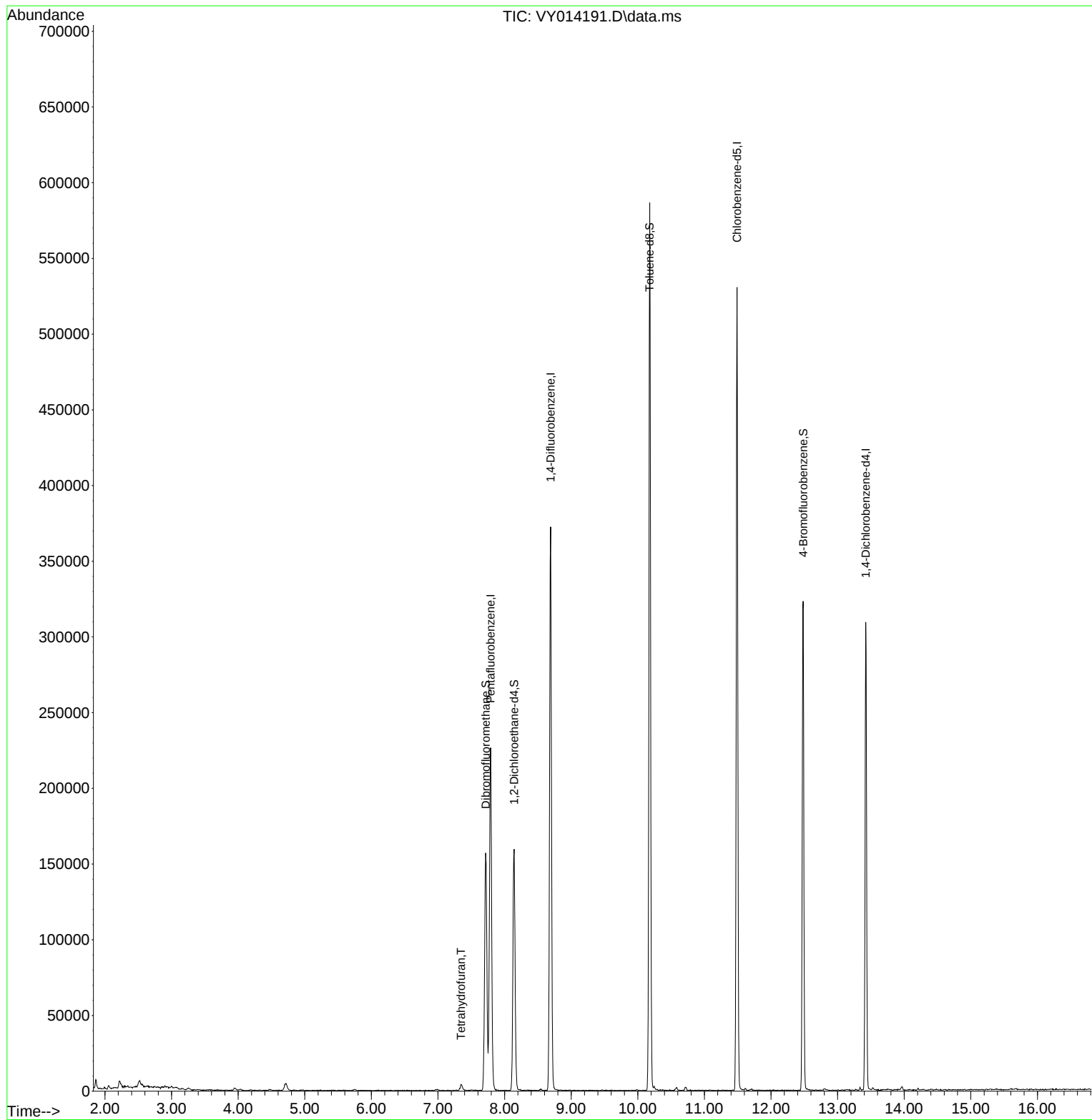
Internal Standards						
1) Pentafluorobenzene	7.789	168	172938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	274321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	133247	55.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.660%
35) Dibromofluoromethane	7.716	113	106378	49.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.180%
50) Toluene-d8	10.179	98	372108	45.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.483	95	93732	32.569	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.140%
Target Compounds						
29) Tetrahydrofuran	7.344	42	2854	5.037	ug/l	95

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

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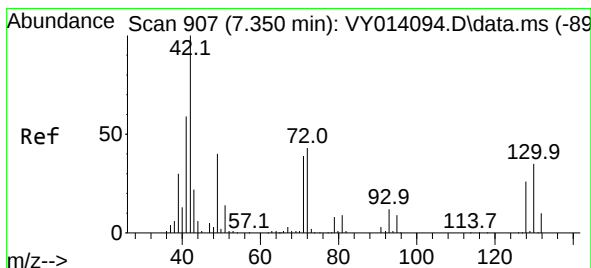
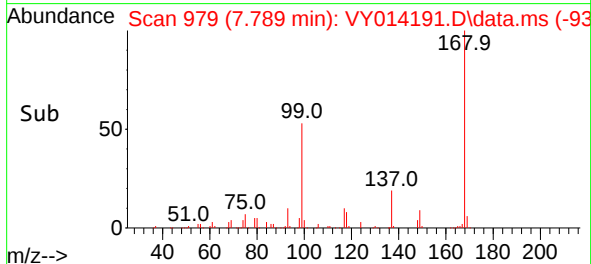
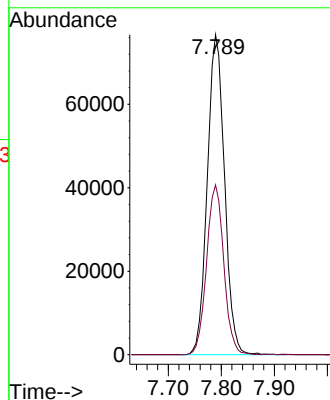
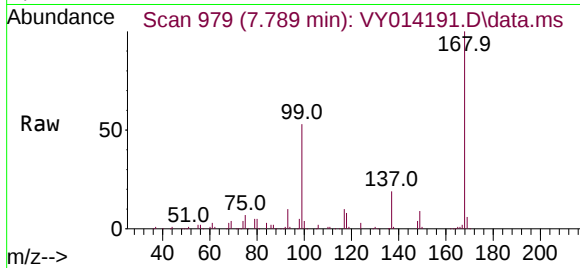




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

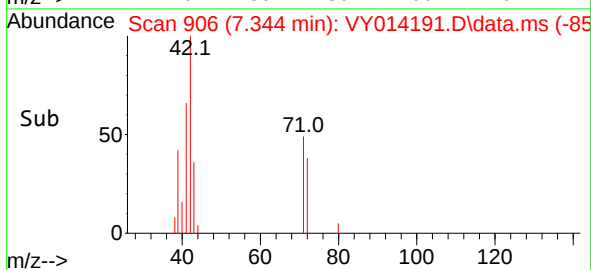
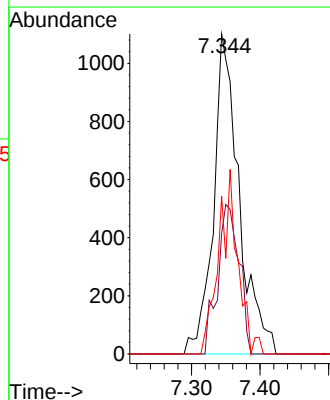
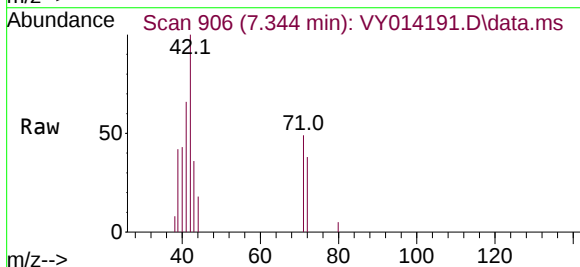
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

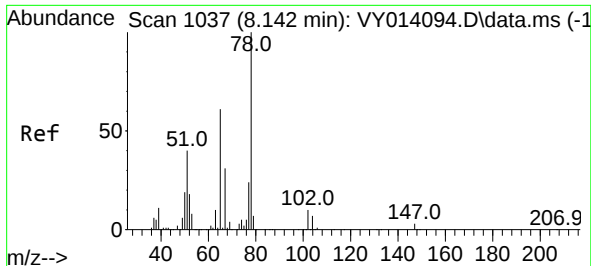
Tgt Ion:168 Resp: 172938
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#29
Tetrahydrofuran
Concen: 5.037 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

Tgt Ion: 42 Resp: 2854
Ion Ratio Lower Upper
42 100
72 39.1 32.8 49.2
71 43.0 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 55.331 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

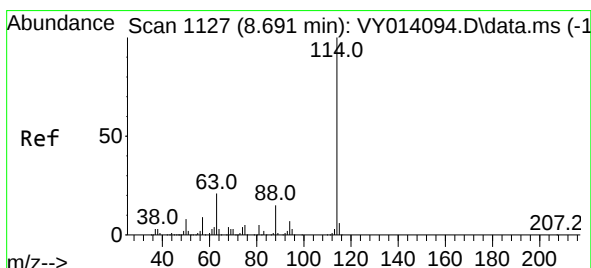
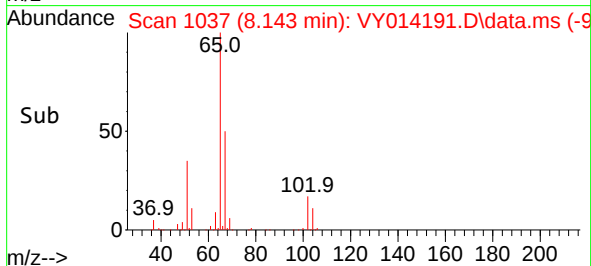
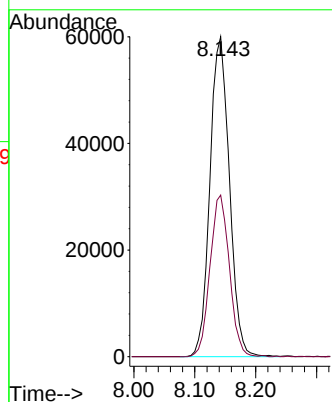
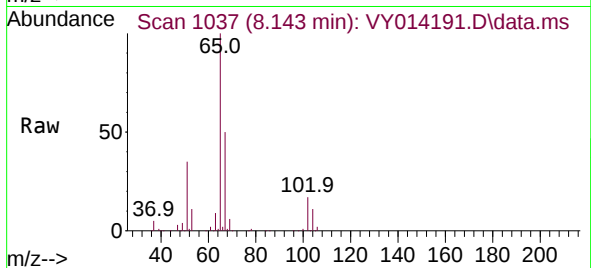
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 65 Resp: 133247

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: VY014191.D

Acq: 15 Jun 2023 15:53

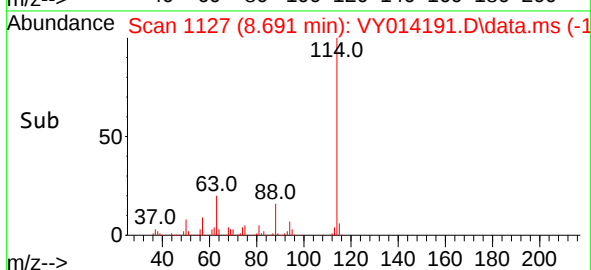
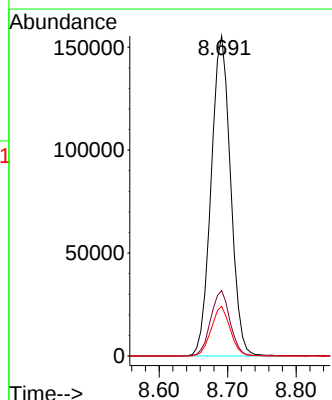
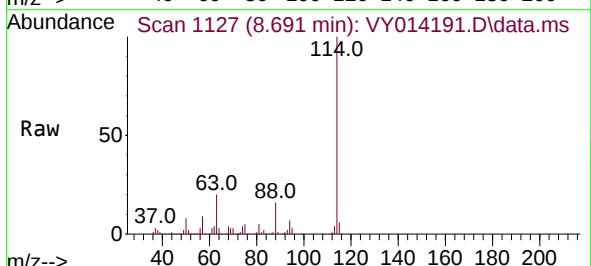
Tgt Ion:114 Resp: 305571

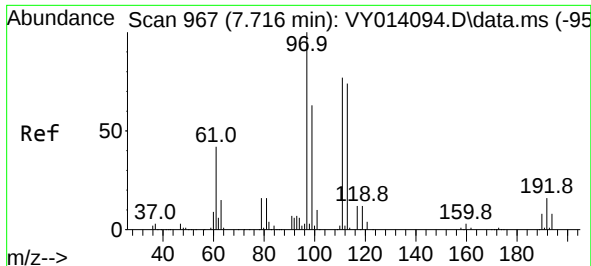
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.5 0.0 30.6

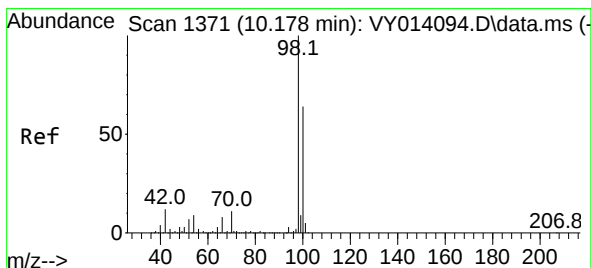
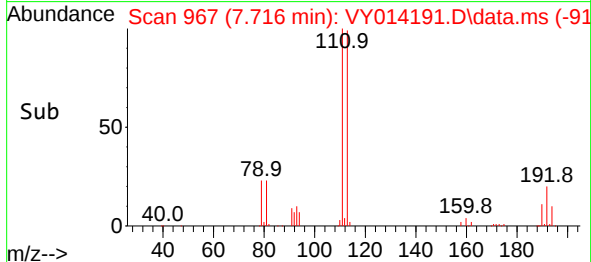
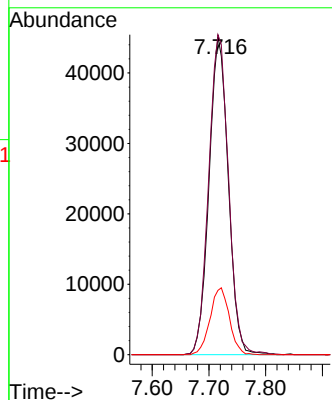
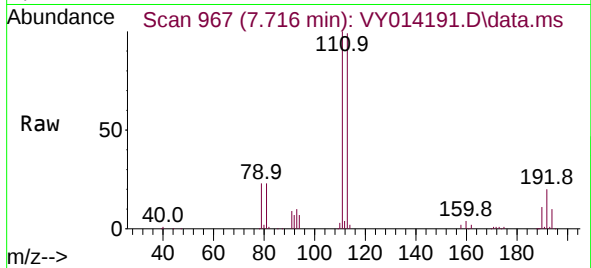




#35
Dibromofluoromethane
Concen: 49.089 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

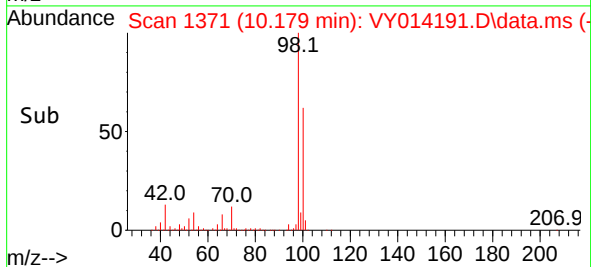
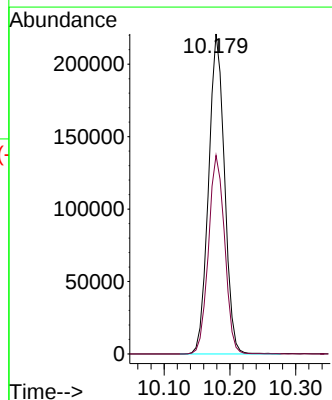
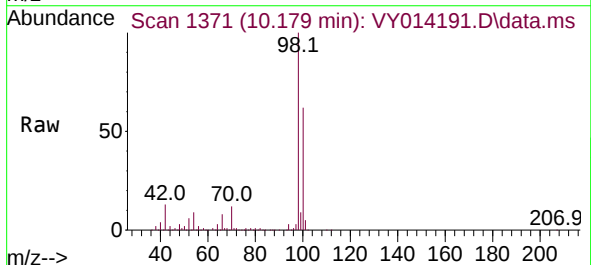
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

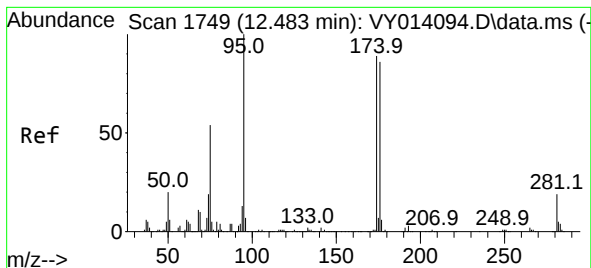
Tgt Ion:113 Resp: 106378
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 21.1 16.9 25.3



#50
Toluene-d8
Concen: 45.930 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

Tgt Ion: 98 Resp: 372108
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 32.569 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-6

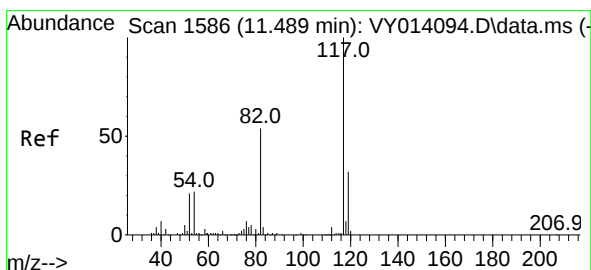
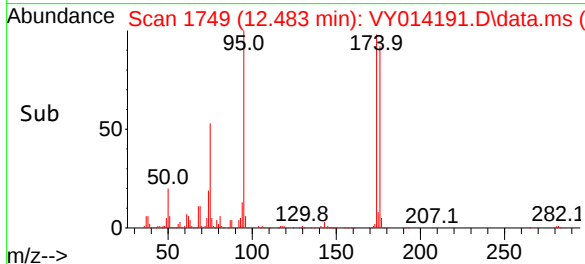
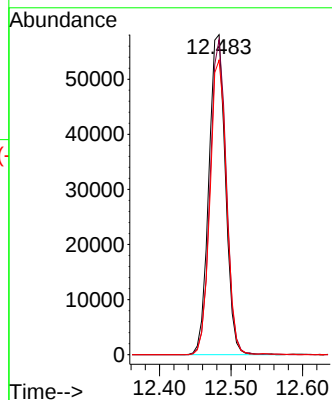
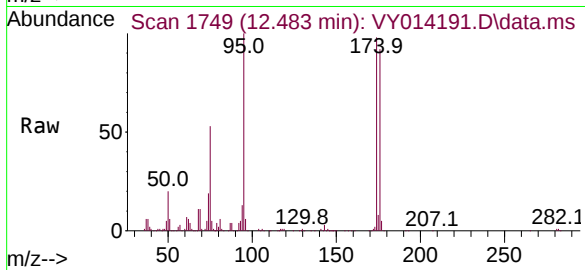
Tgt Ion: 95 Resp: 93732

Ion Ratio Lower Upper

95 100

174 96.2 0.0 178.2

176 91.6 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: VY014191.D

Acq: 15 Jun 2023 15:53

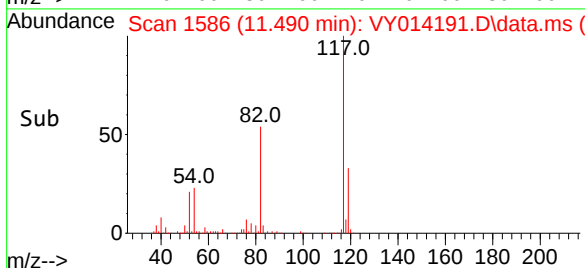
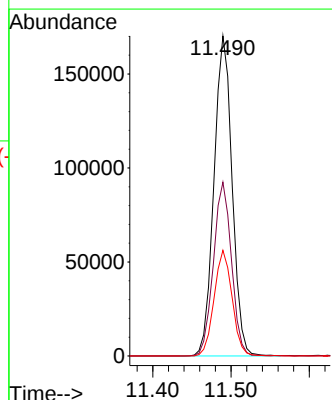
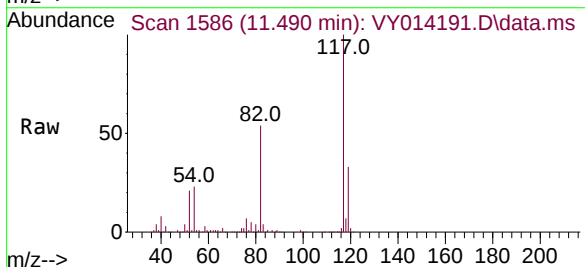
Tgt Ion: 117 Resp: 274321

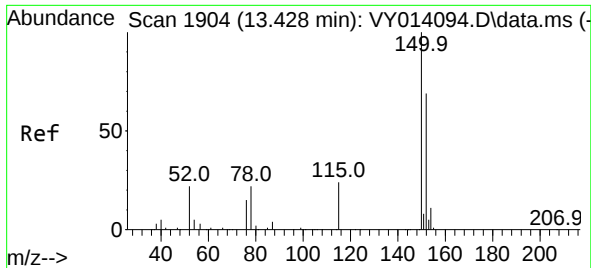
Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

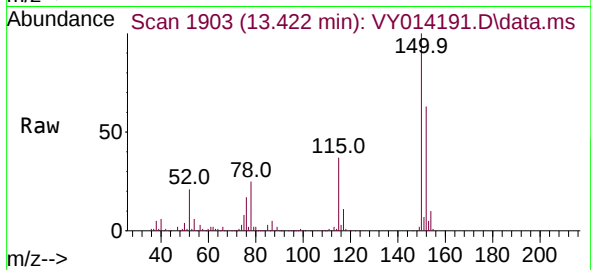
119 33.0 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: VY014191.D
 Acq: 15 Jun 2023 15:53

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



Tgt Ion:	152	Resp:	82215
Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.8	86.5
150	155.9	0.0	348.8

