

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014323.D
 Acq On : 21 Jun 2023 07:54
 Operator : KP/MD
 Sample : 03329-23
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-8-15-GRAB-6

Quant Time: Jun 21 08:50:46 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)

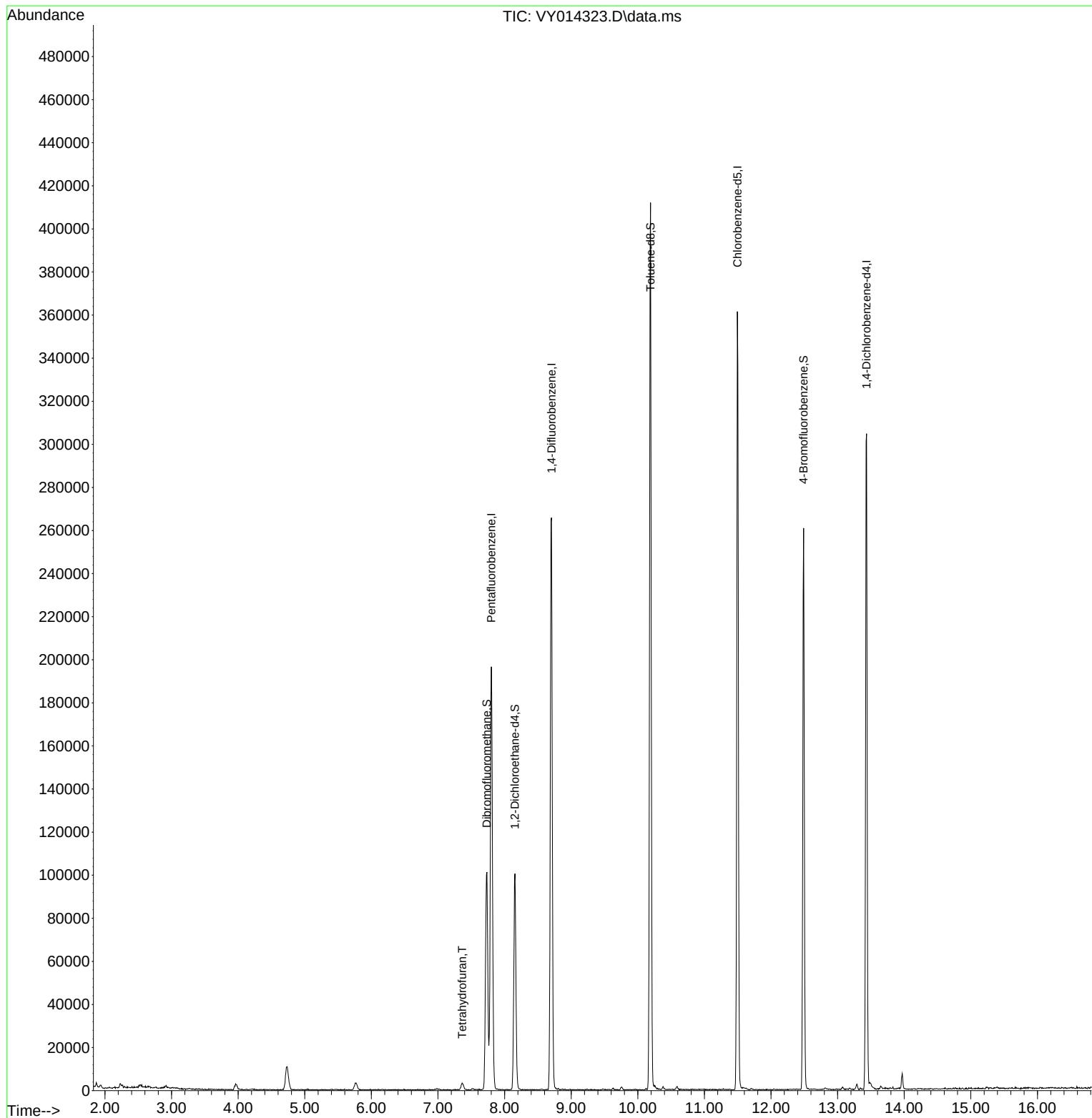
Internal Standards						
1) Pentafluorobenzene	7.801	168	153362	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	227718	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	195305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	83055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	83968	39.318	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.640%
35) Dibromofluoromethane	7.734	113	71615	44.346	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.700%
50) Toluene-d8	10.191	98	271031	44.891	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.780%
62) 4-Bromofluorobenzene	12.489	95	73291	34.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.340%
Target Compounds						
29) Tetrahydrofuran	7.362	42	2561	5.097	ug/l	Qvalue 96

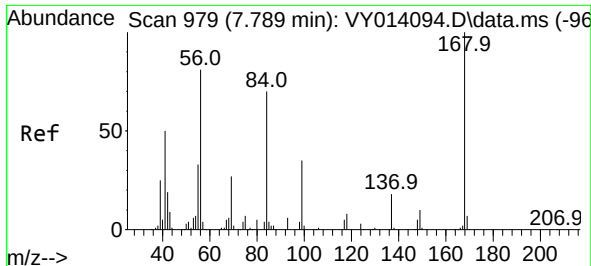
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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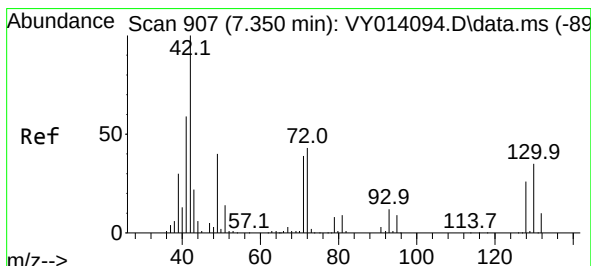
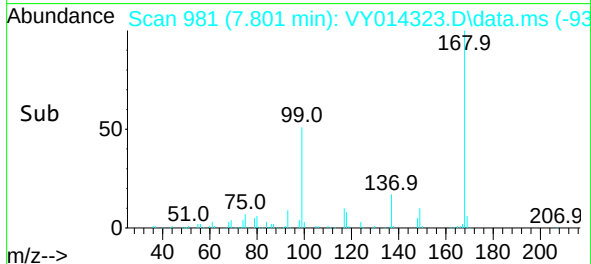
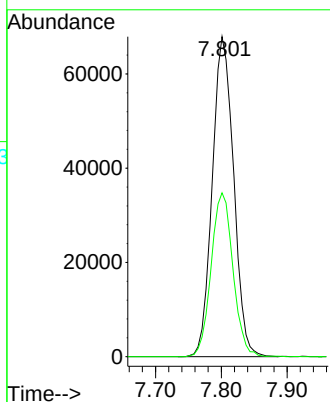
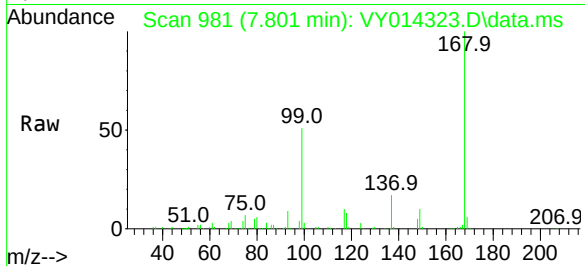




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

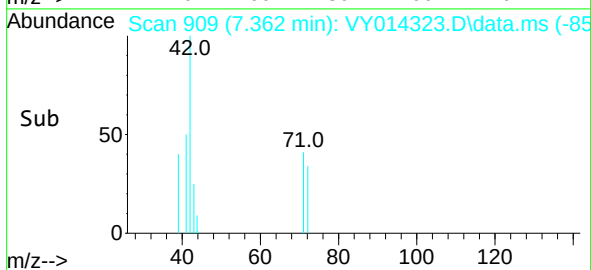
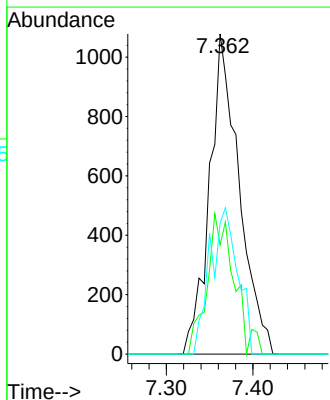
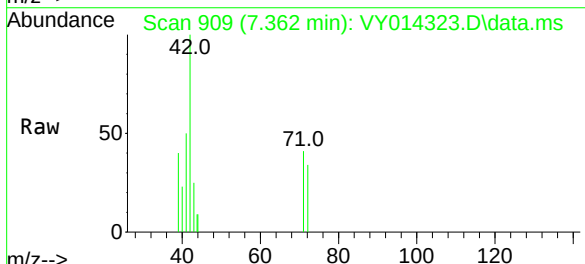
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

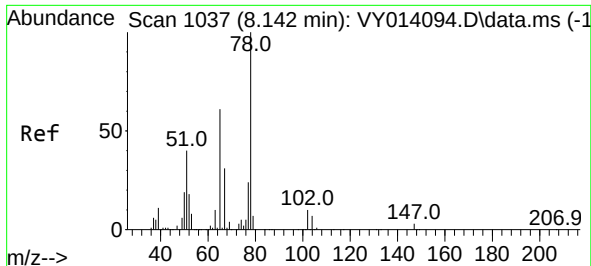
Tgt Ion:168 Resp: 153362
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.0



#29
Tetrahydrofuran
Concen: 5.097 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 42 Resp: 2561
Ion Ratio Lower Upper
42 100
72 40.3 32.8 49.2
71 42.8 31.0 46.4

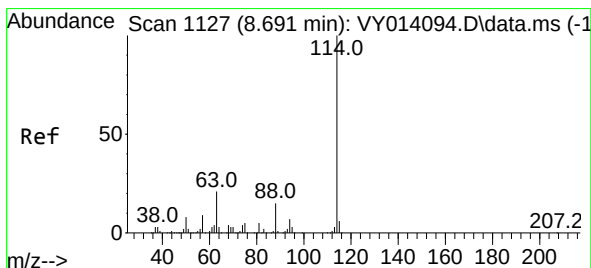
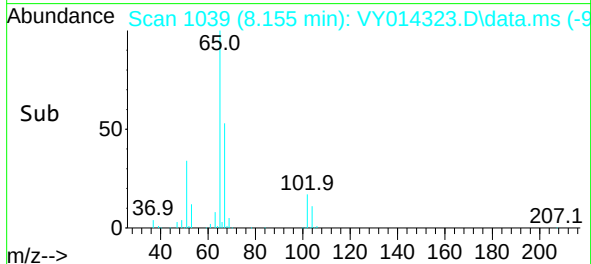
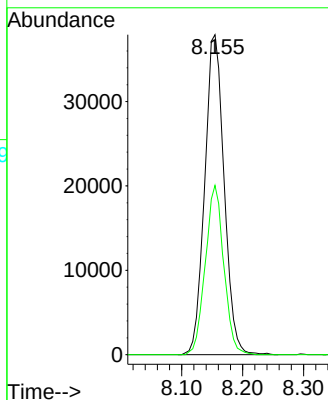
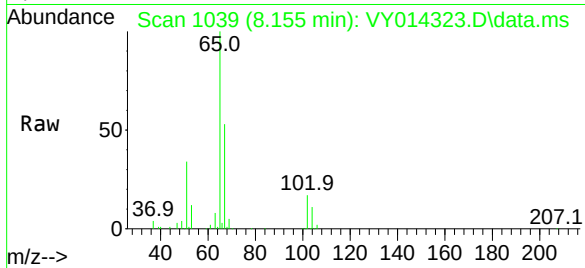




#33
1,2-Dichloroethane-d4
Concen: 39.318 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

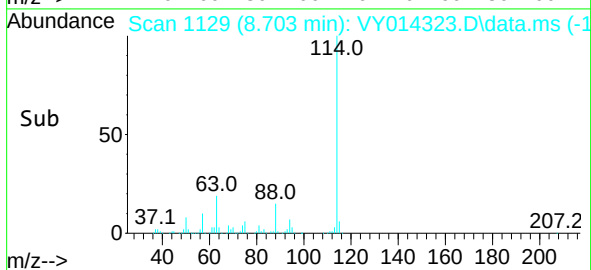
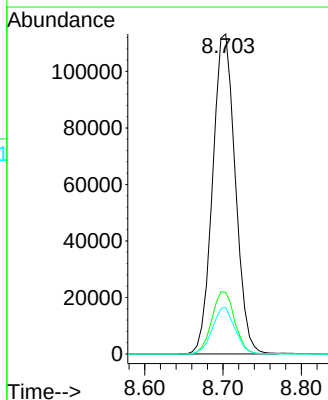
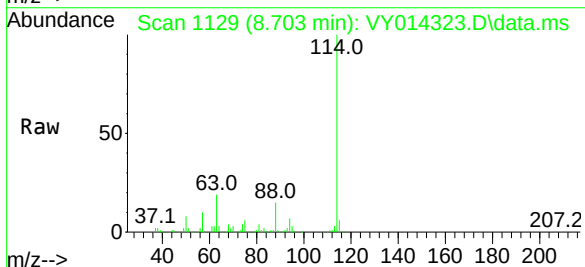
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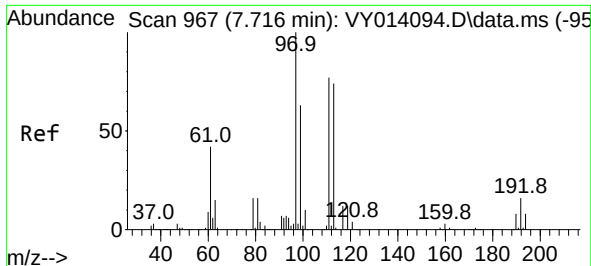
Tgt Ion: 65 Resp: 83968
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.012 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 114 Resp: 227718
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.4
88 14.5 0.0 30.6

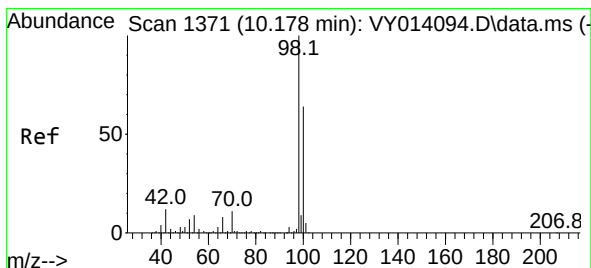
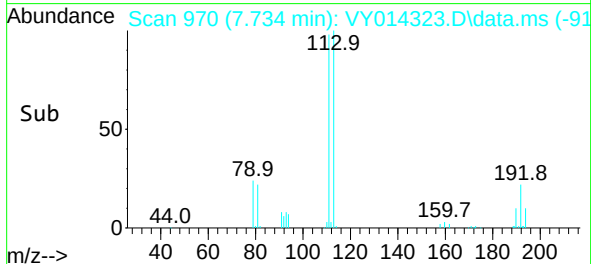
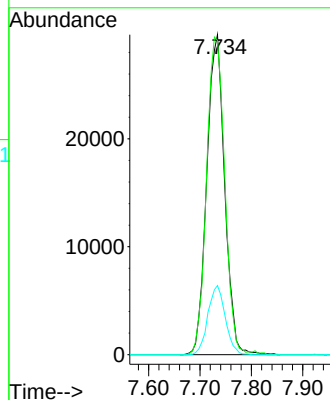
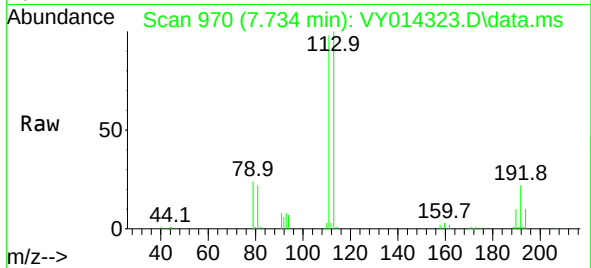




#35
Dibromofluoromethane
Concen: 44.346 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

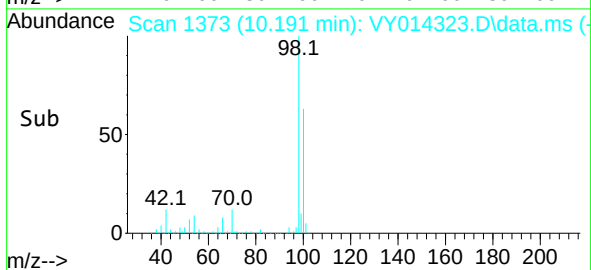
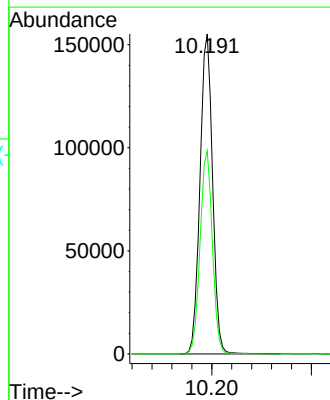
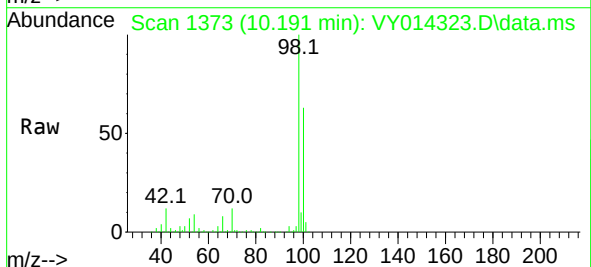
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

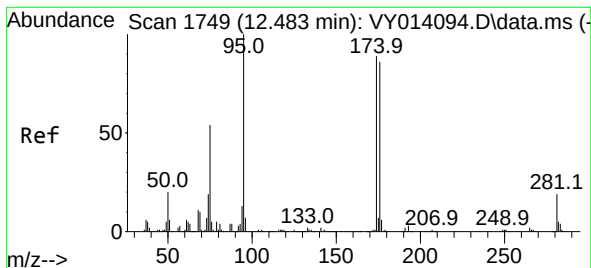
Tgt Ion:113 Resp: 71615
Ion Ratio Lower Upper
113 100
111 100.9 81.3 121.9
192 21.0 16.9 25.3



#50
Toluene-d8
Concen: 44.891 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 98 Resp: 271031
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 34.173 ug/l

RT: 12.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014323.D

Acq: 21 Jun 2023 07:54

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-8-15-GRAB-6

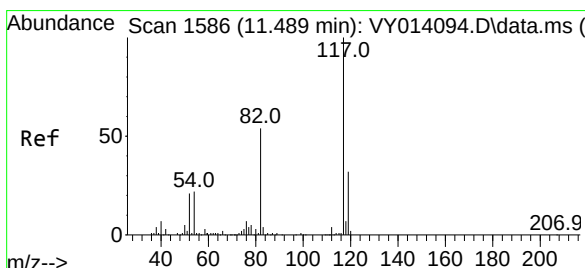
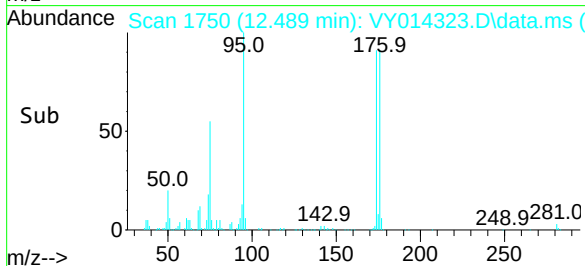
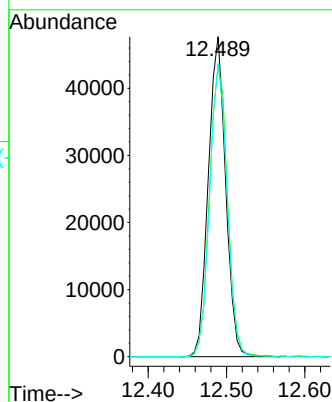
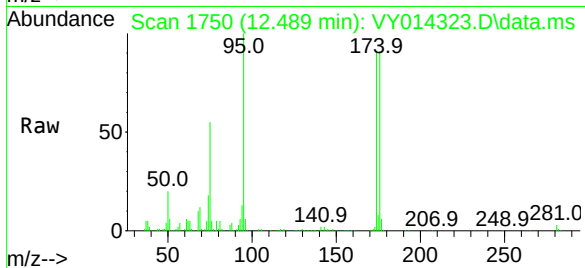
Tgt Ion: 95 Resp: 73291

Ion Ratio Lower Upper

95 100

174 94.7 0.0 178.2

176 92.4 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY014323.D

Acq: 21 Jun 2023 07:54

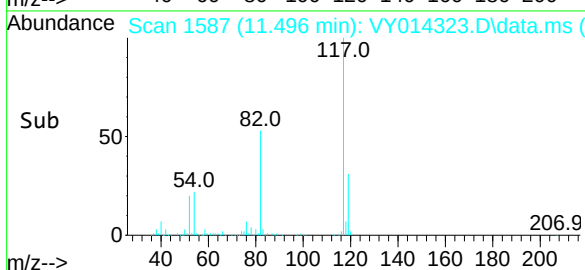
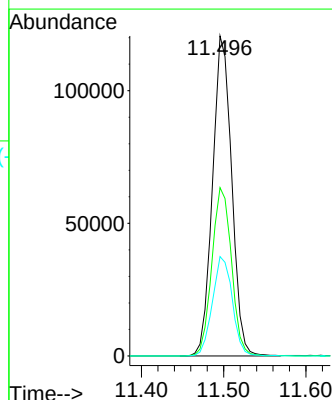
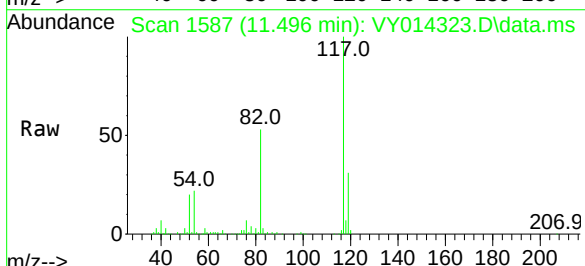
Tgt Ion: 117 Resp: 195305

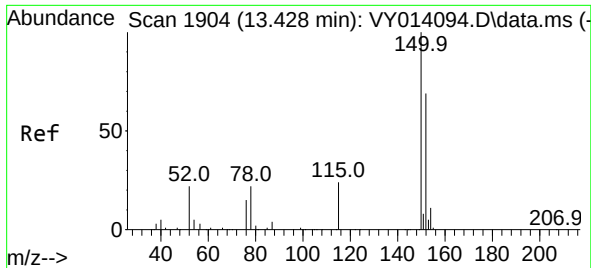
Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

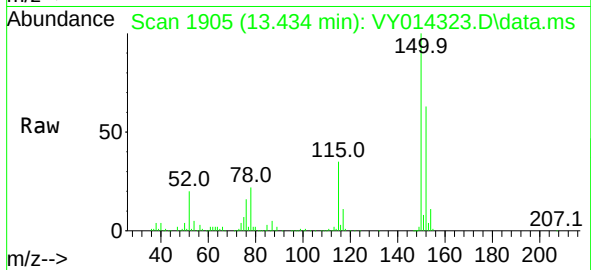
119 31.0 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY014323.D
 Acq: 21 Jun 2023 07:54

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 MSVOA_Y
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Tgt Ion:	152	Resp:	83055
Ion Ratio	Lower	Upper	
152	100		
115	55.9	28.8	86.5
150	156.5	0.0	348.8

