

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014312.D
 Acq On : 21 Jun 2023 03:36
 Operator : KP/MD
 Sample : 03328-12
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-0-8-GRAB-7

Quant Time: Jun 21 05:09:54 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)

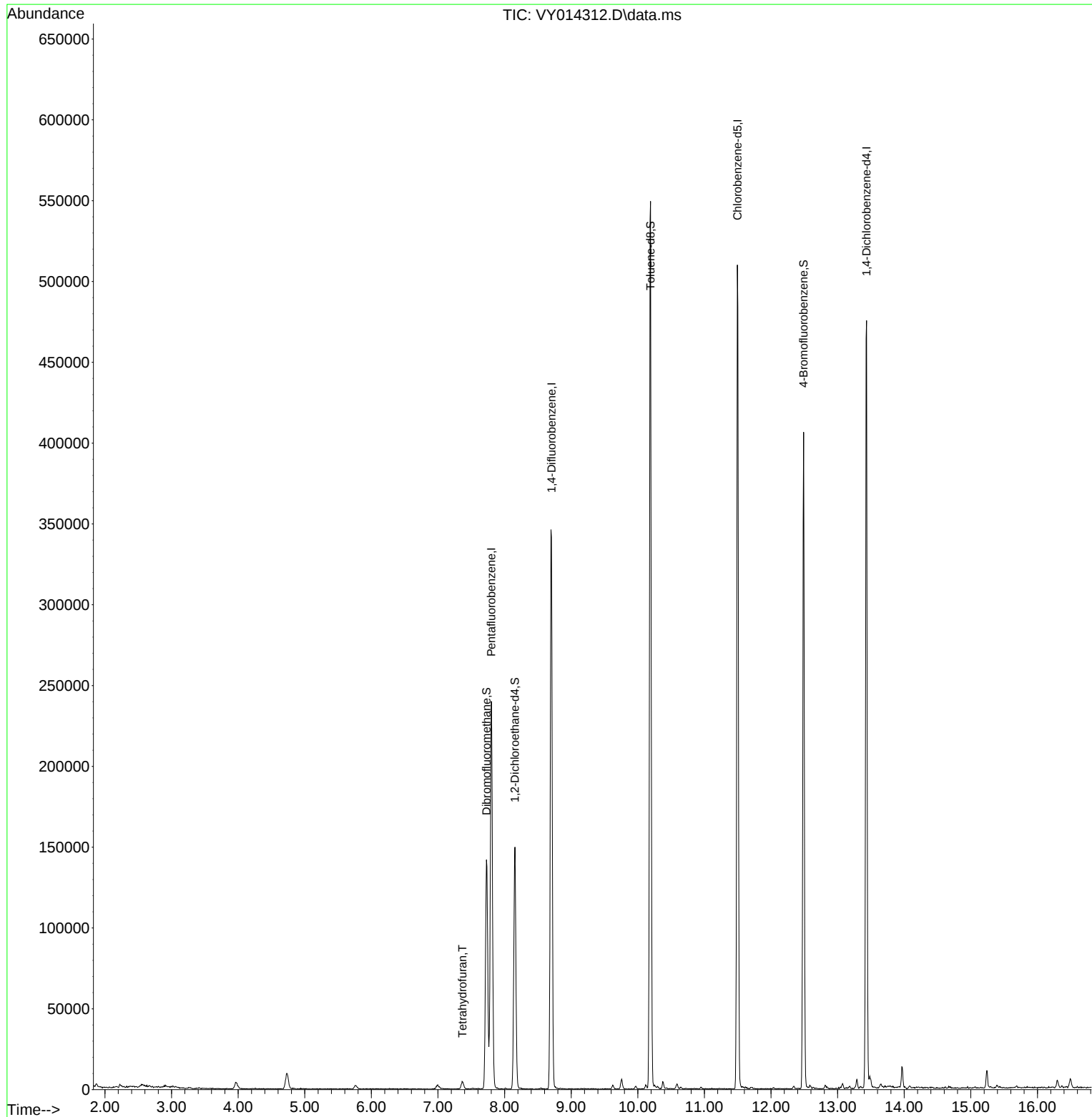
Internal Standards						
1) Pentafluorobenzene	7.801	168	184873	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	293109	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	275328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	125391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	123979	48.159	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.320%
35) Dibromofluoromethane	7.728	113	96755	46.547	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.100%
50) Toluene-d8	10.191	98	355053	45.688	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.380%
62) 4-Bromofluorobenzene	12.489	95	110984	40.203	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.400%
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.368	42	3319	5.479	ug/l #	87

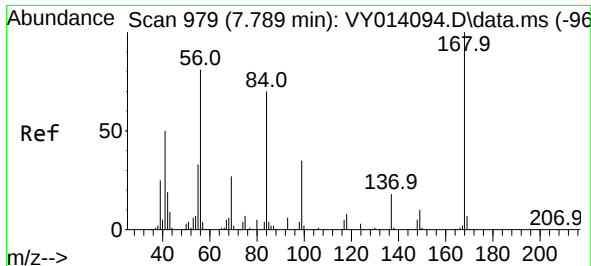
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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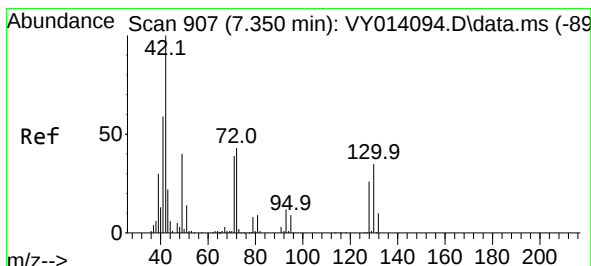
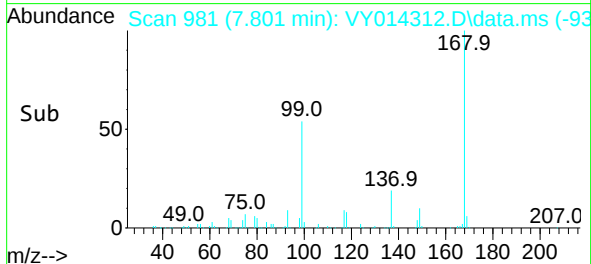
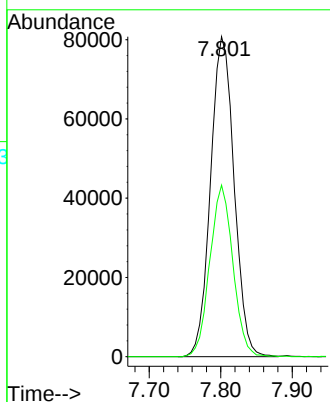
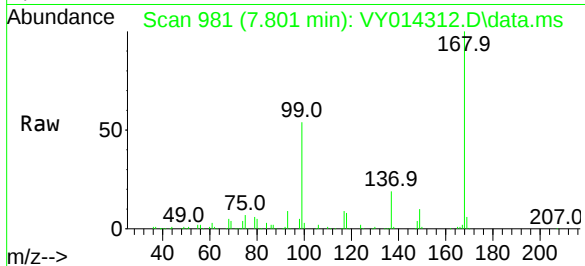




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

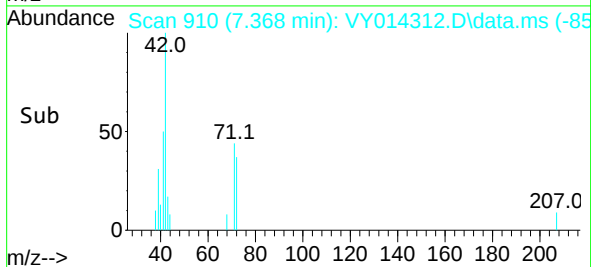
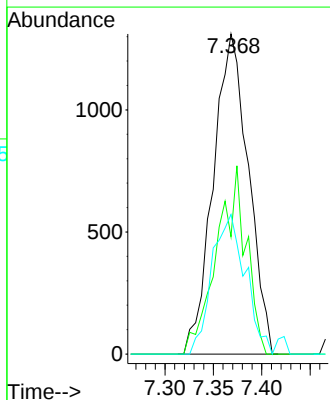
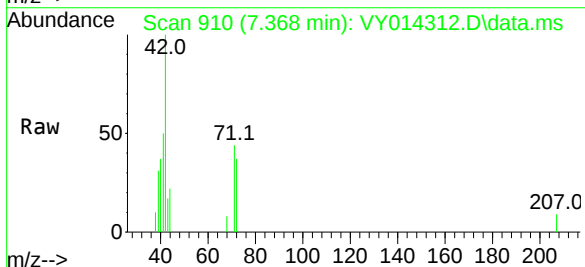
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-7

Tgt Ion:168 Resp: 184873
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#29
Tetrahydrofuran
Concen: 5.479 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 42 Resp: 3319
Ion Ratio Lower Upper
42 100
72 27.8 32.8 49.2#
71 41.6 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 48.159 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.013 min

Lab File: VY014312.D

Acq: 21 Jun 2023 03:36

Instrument :

MSVOA_Y

ClientSampleId :

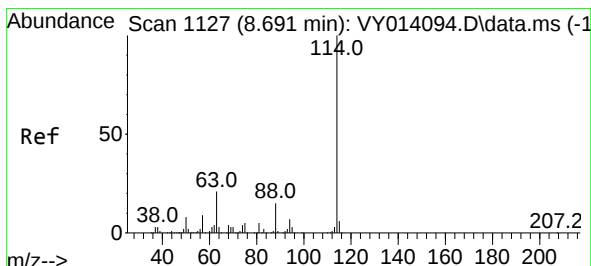
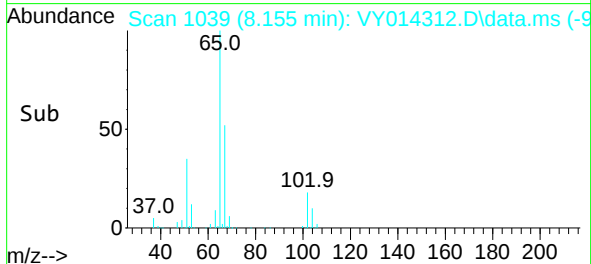
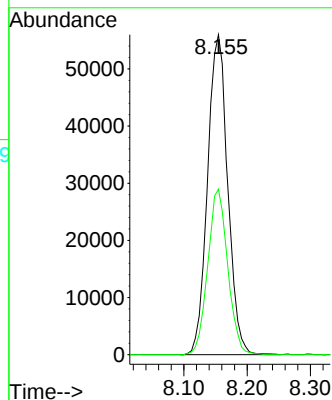
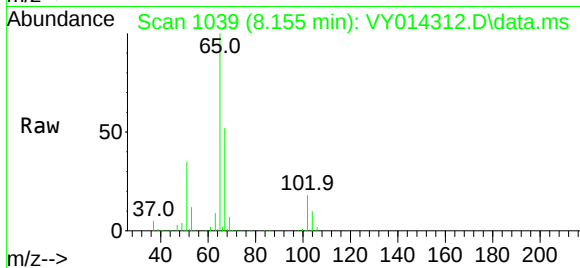
TOTAL-VOC-SW04-0-8-GRAB-7

Tgt Ion: 65 Resp: 123979

Ion Ratio Lower Upper

65 100

67 51.3 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: VY014312.D

Acq: 21 Jun 2023 03:36

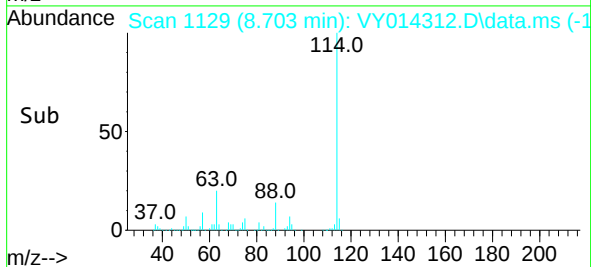
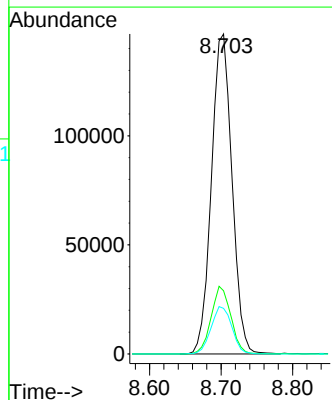
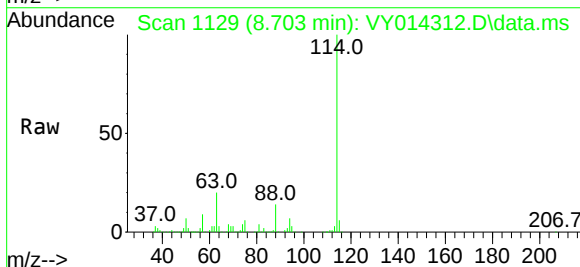
Tgt Ion:114 Resp: 293109

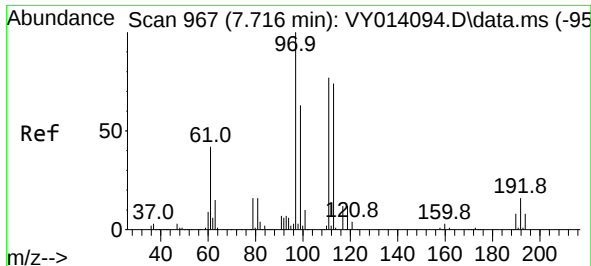
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.3 0.0 30.6

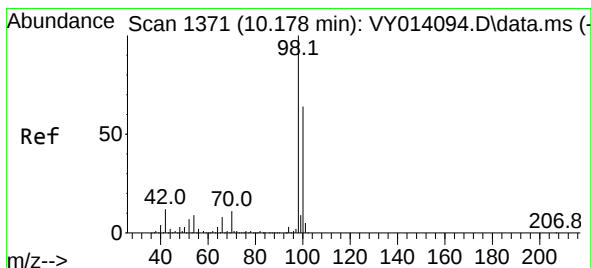
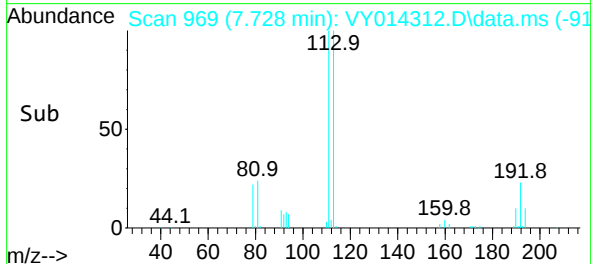
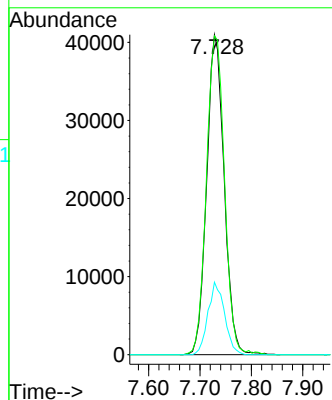
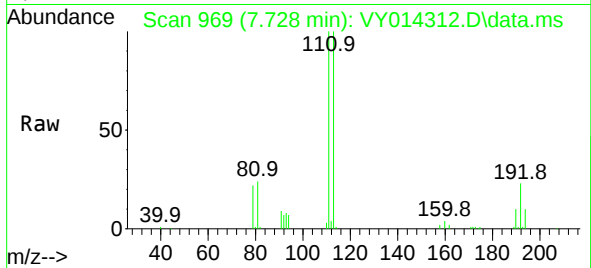




#35
Dibromofluoromethane
Concen: 46.547 ug/l
RT: 7.728 min Scan# 967
Delta R.T. 0.012 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

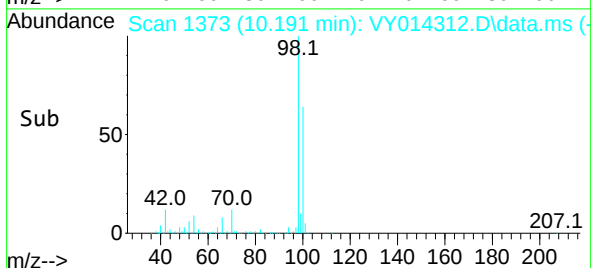
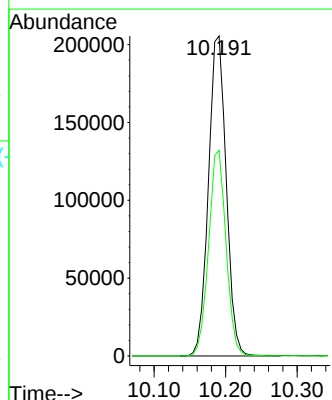
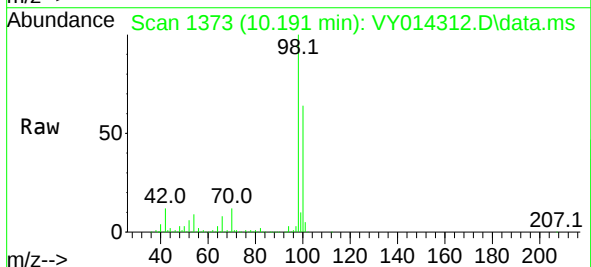
Instrument :
MSVOA_Y
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TOTAL-VOC-SW04-0-8-GRAB-7

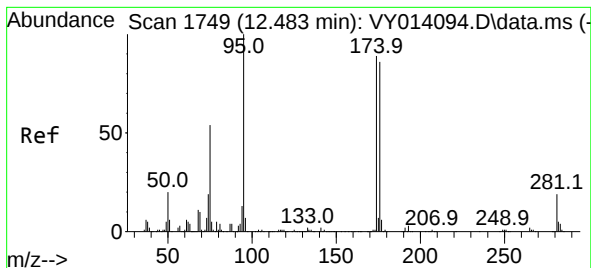
Tgt Ion:113 Resp: 96755
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 21.6 16.9 25.3



#50
Toluene-d8
Concen: 45.688 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 98 Resp: 355053
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1

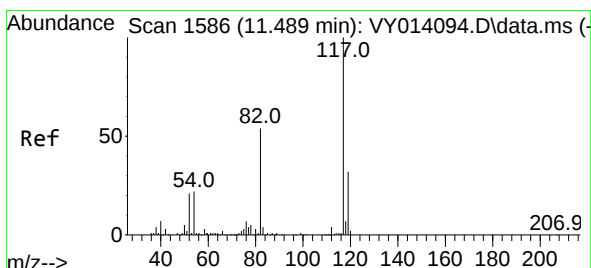
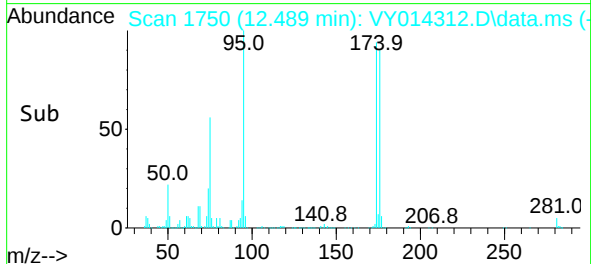
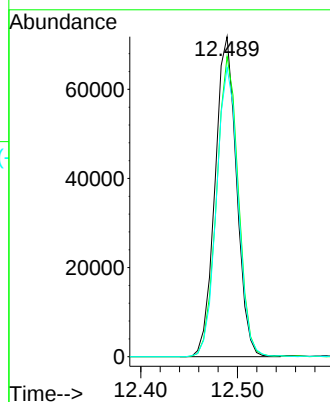
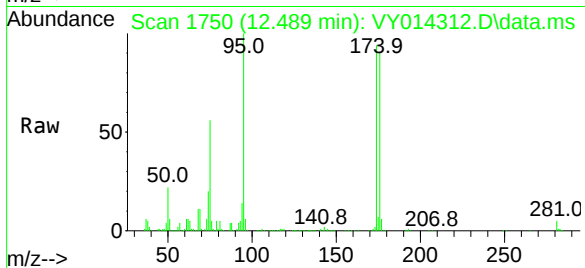




#62
4-Bromofluorobenzene
Concen: 40.203 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

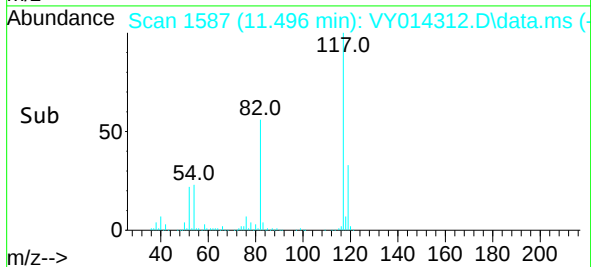
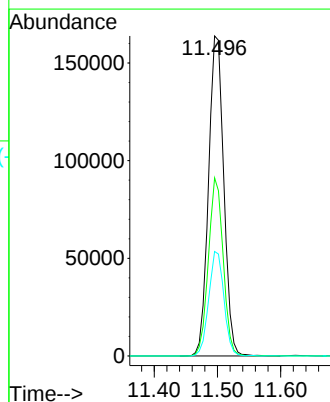
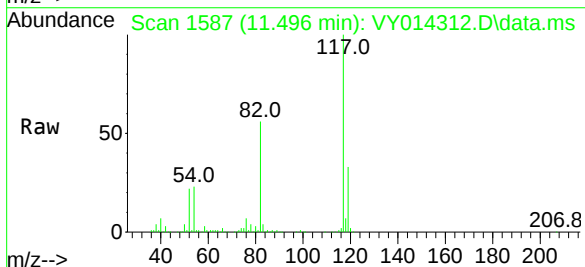
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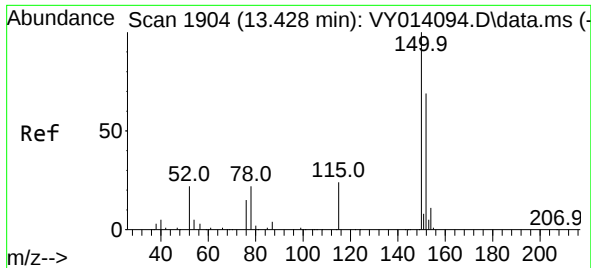
Tgt Ion: 95 Resp: 110984
Ion Ratio Lower Upper
95 100
174 94.7 0.0 178.2
176 91.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 117 Resp: 275328
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.6 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: VY014312.D

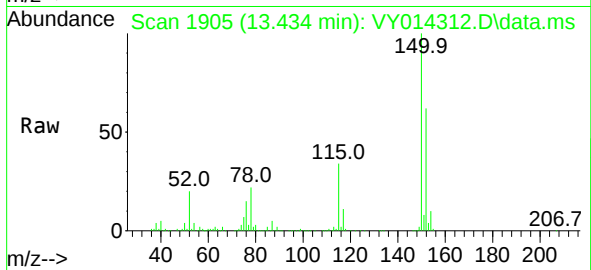
Acq: 21 Jun 2023 03:36

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW04-0-8-GRAB-7



Tgt Ion:152 Resp: 125391

Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 157.5 0.0 348.8

