

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014316.D
 Acq On : 21 Jun 2023 05:10
 Operator : KP/MD
 Sample : 03328-24
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-7

Quant Time: Jun 21 06:21:17 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)

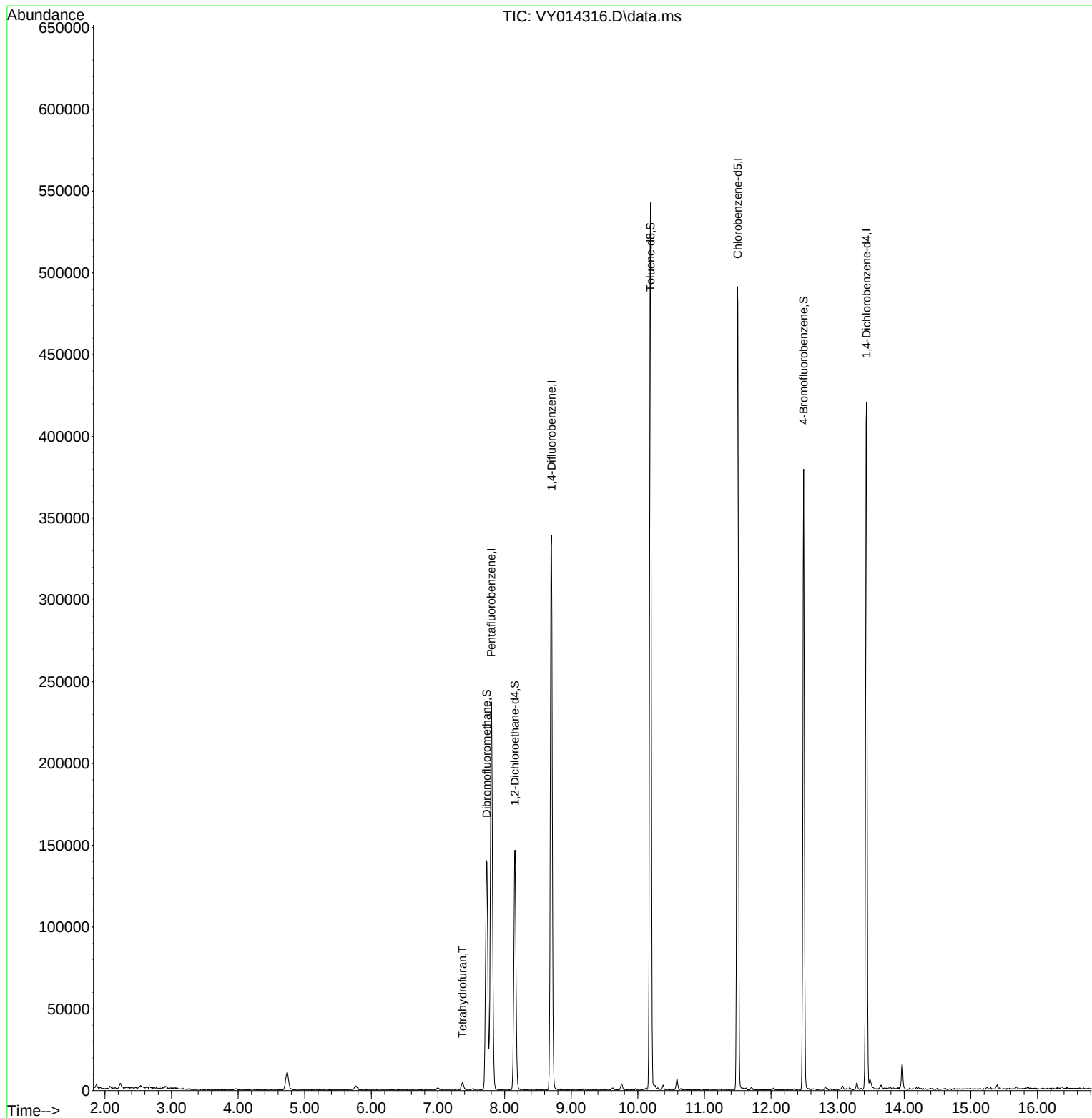
Internal Standards						
1) Pentafluorobenzene	7.801	168	181292	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	291844	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	267289	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	112039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	121993	48.323	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.640%
35) Dibromofluoromethane	7.734	113	95713	46.245	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.500%
50) Toluene-d8	10.191	98	352186	45.515	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.489	95	102848	37.417	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.840%
Target Compounds						
29) Tetrahydrofuran	7.368	42	3636	6.121	ug/l	Qvalue 95

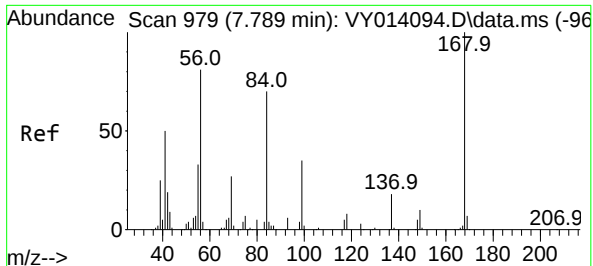
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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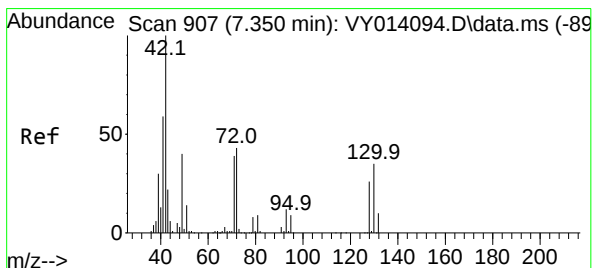
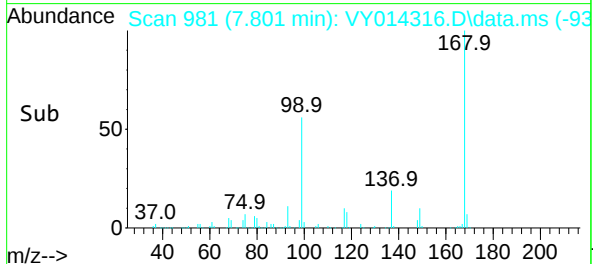
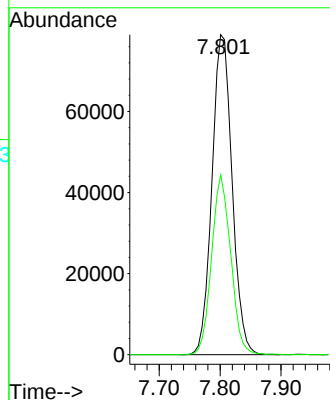
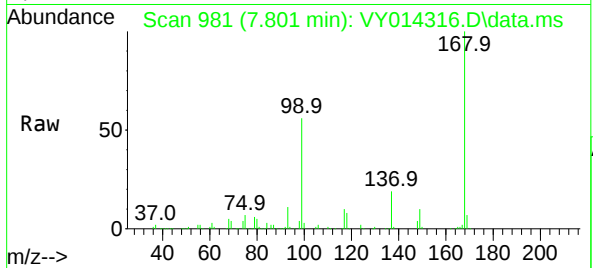




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

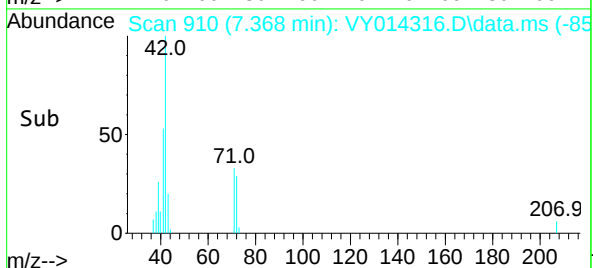
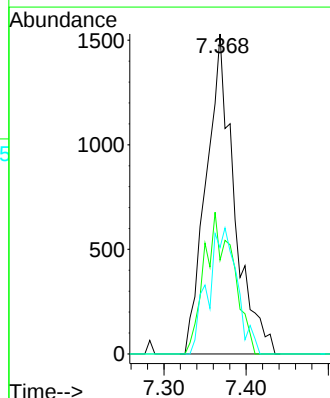
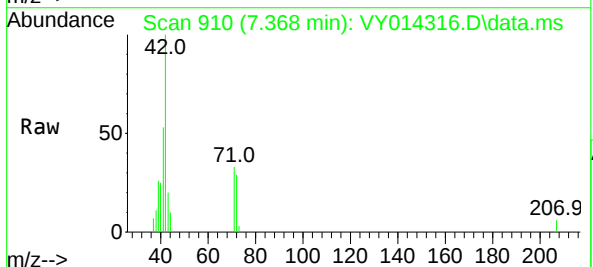
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-7

Tgt Ion:168 Resp: 181292
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#29
Tetrahydrofuran
Concen: 6.121 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 42 Resp: 3636
Ion Ratio Lower Upper
42 100
72 45.4 32.8 49.2
71 40.7 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 48.323 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.013 min

Lab File: VY014316.D

Acq: 21 Jun 2023 05:10

Instrument :

MSVOA_Y

ClientSampleId :

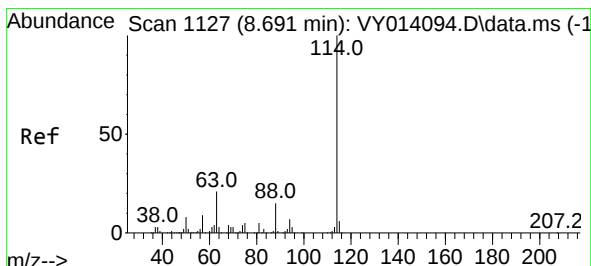
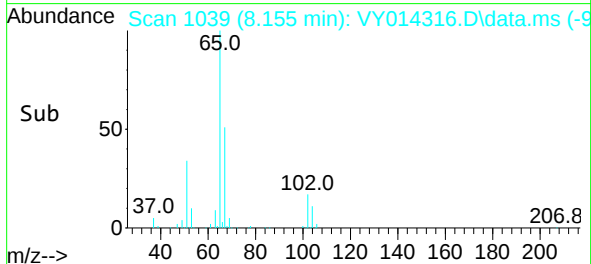
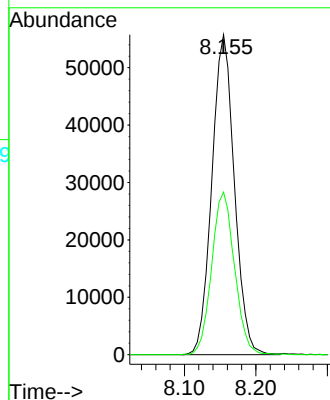
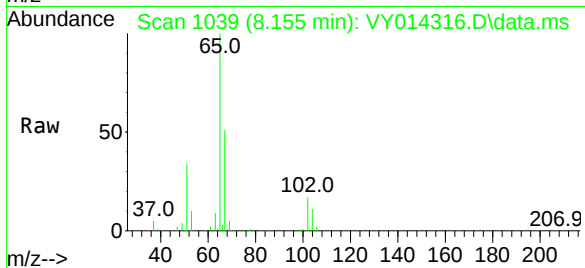
TOTAL-VOC-SW04-8-15-GRAB-7

Tgt Ion: 65 Resp: 121993

Ion Ratio Lower Upper

65 100

67 51.5 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: VY014316.D

Acq: 21 Jun 2023 05:10

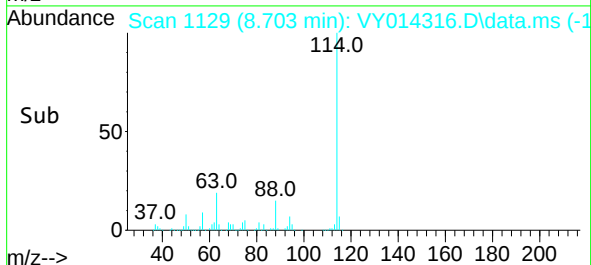
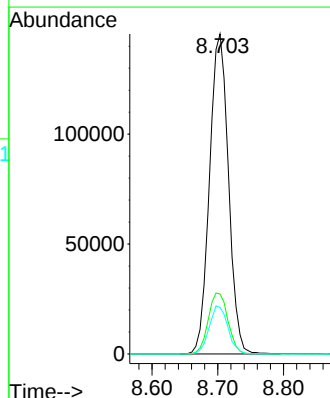
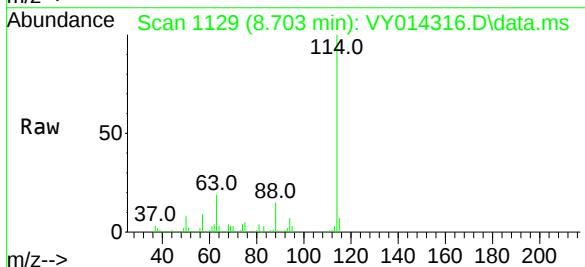
Tgt Ion: 114 Resp: 291844

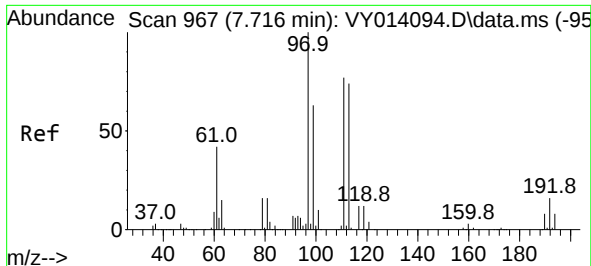
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.5 0.0 30.6

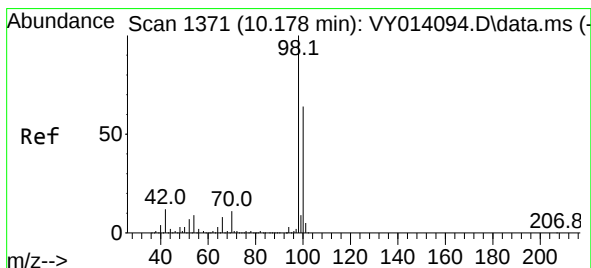
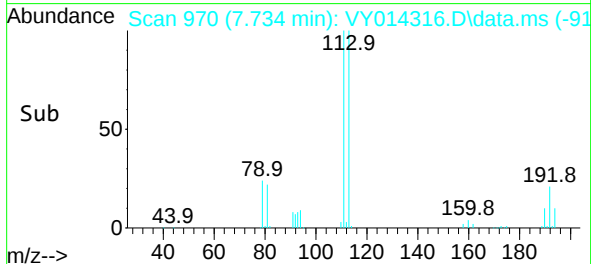
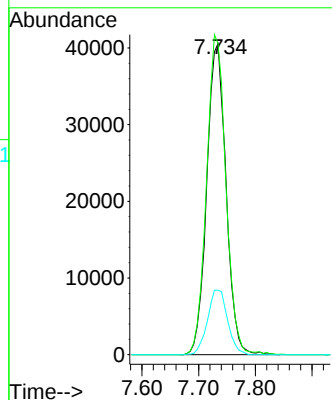
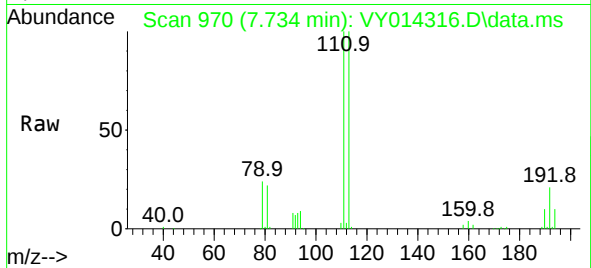




#35
Dibromofluoromethane
Concen: 46.245 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

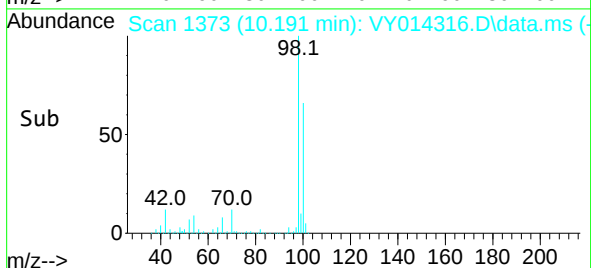
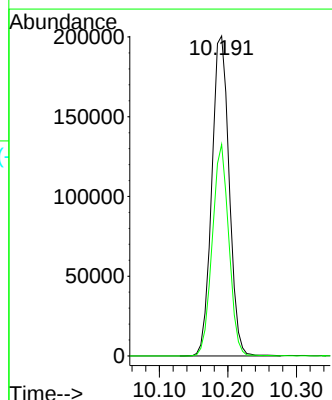
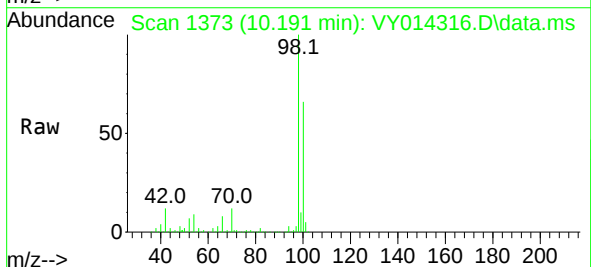
Instrument :
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TOTAL-VOC-SW04-8-15-GRAB-7

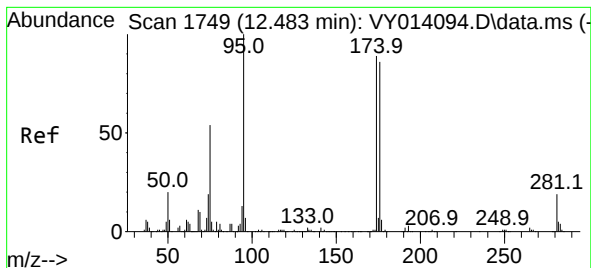
Tgt Ion:113 Resp: 95713
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 21.7 16.9 25.3



#50
Toluene-d8
Concen: 45.515 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 98 Resp: 352186
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 37.417 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY014316.D

Acq: 21 Jun 2023 05:10

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW04-8-15-GRAB-7

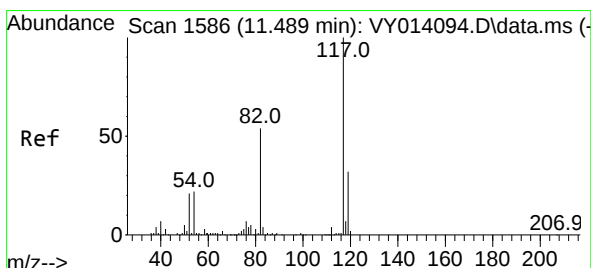
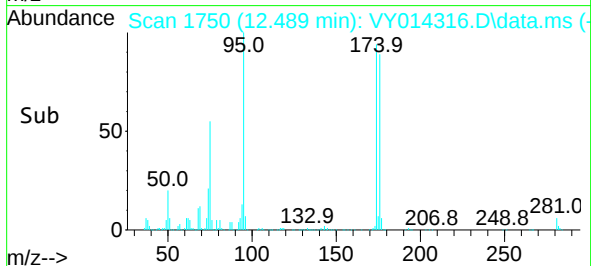
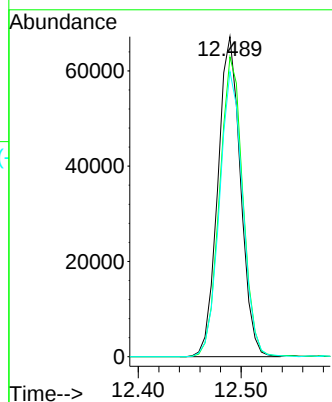
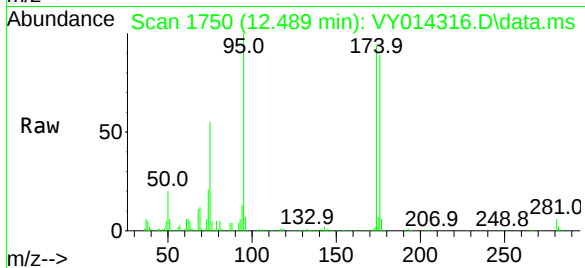
Tgt Ion: 95 Resp: 102848

Ion Ratio Lower Upper

95 100

174 95.5 0.0 178.2

176 90.8 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: VY014316.D

Acq: 21 Jun 2023 05:10

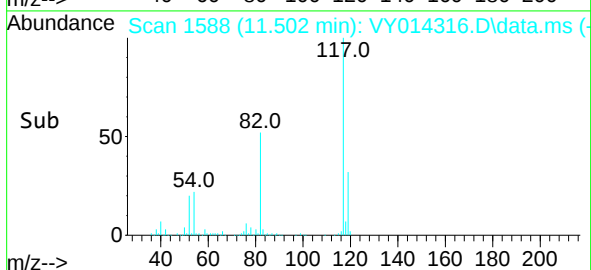
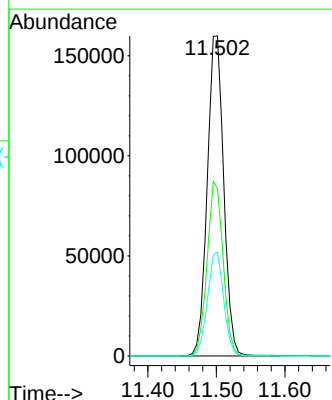
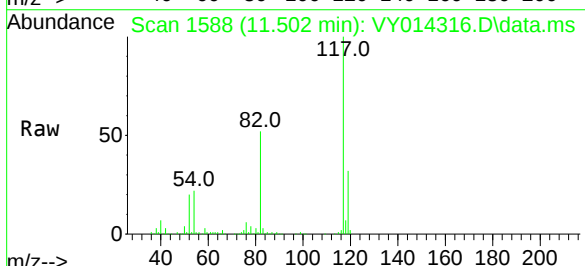
Tgt Ion: 117 Resp: 267289

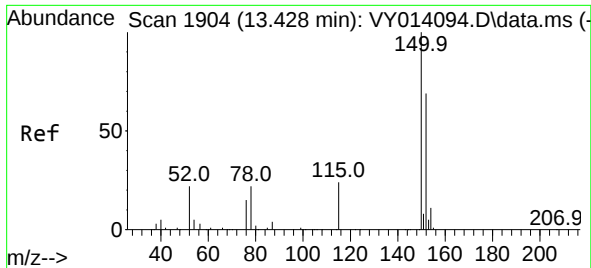
Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

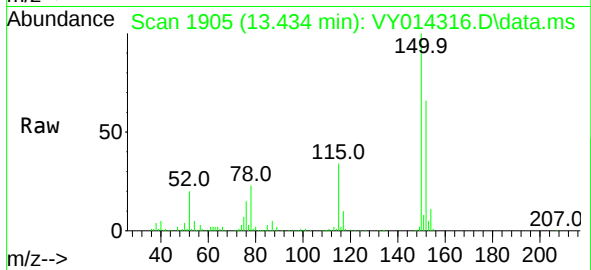
119 32.5 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY014316.D
 Acq: 21 Jun 2023 05:10

Instrument : MSVOA_Y
 ClientSampleId : TOTAL-VOC-SW04-8-15-GRAB-7



Tgt Ion:	152	Resp:	112039
Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.8	86.5
150	155.9	0.0	348.8

