

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014224.D
 Acq On : 16 Jun 2023 23:25
 Operator : KP/MD
 Sample : 03223-24
 Misc : 14.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-03-GRAB-7

Quant Time: Jun 17 01:52:45 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)

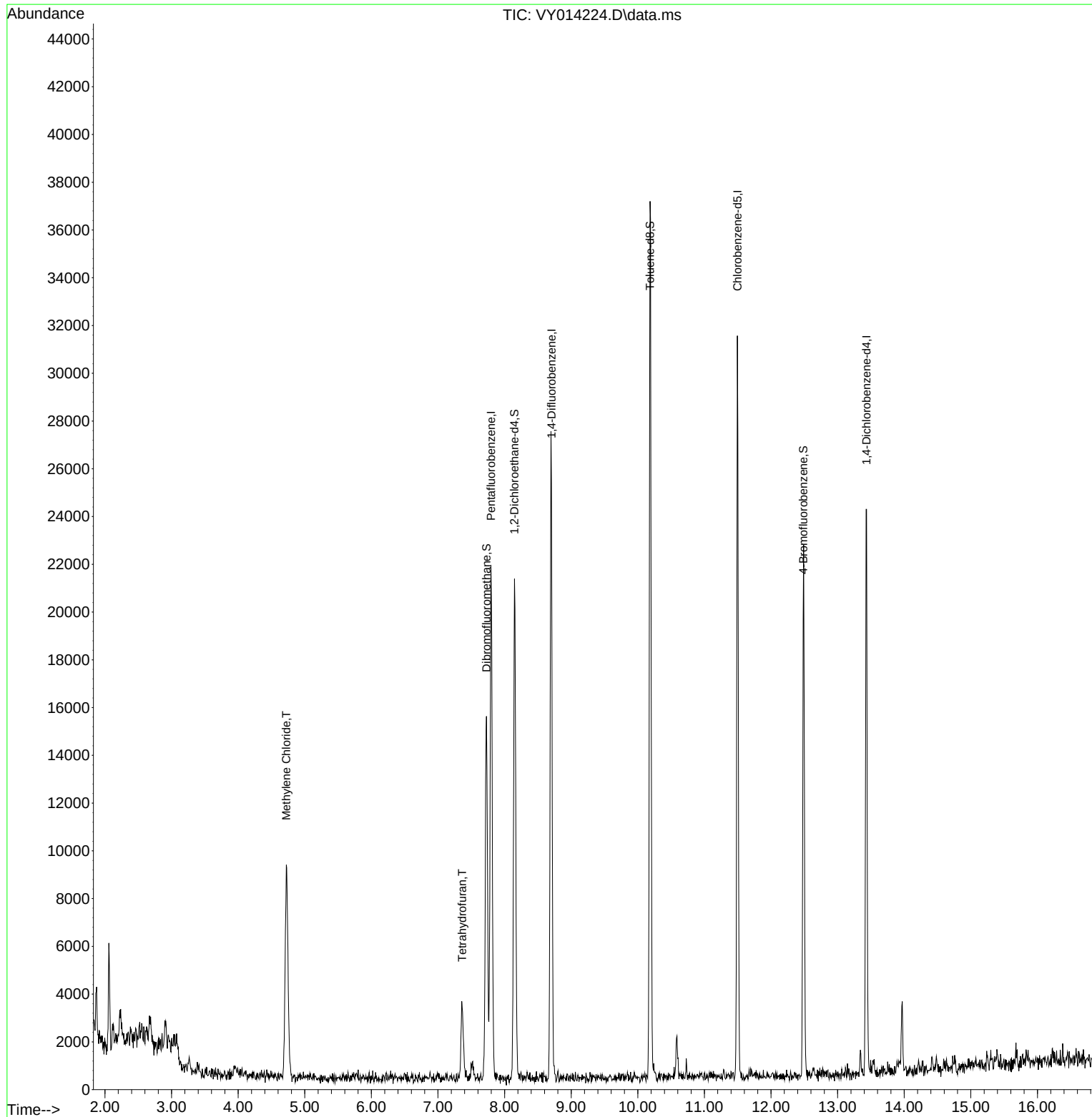
Internal Standards						
1) Pentafluorobenzene	7.795	168	16768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	22474	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	16471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	6686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	17953	76.887	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.780%
35) Dibromofluoromethane	7.728	113	10013	62.824	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.640%
50) Toluene-d8	10.185	98	25510	42.812	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.620%
62) 4-Bromofluorobenzene	12.483	95	6073	28.691	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.380%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.722	84	6378	26.715	ug/l #	89
29) Tetrahydrofuran	7.362	42	2363	43.012	ug/l	96

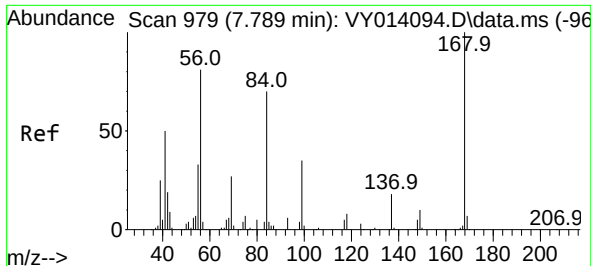
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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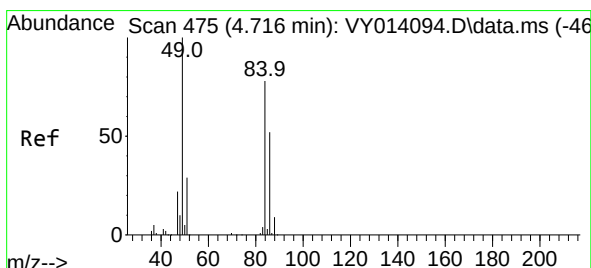
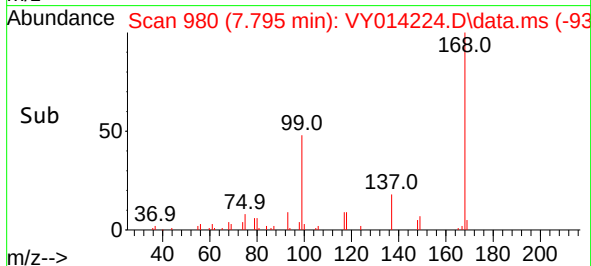
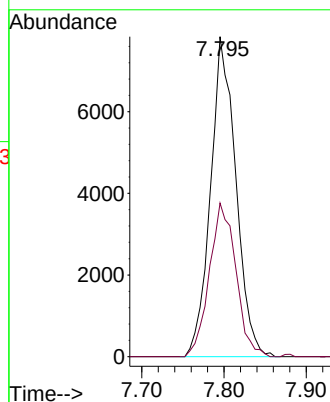
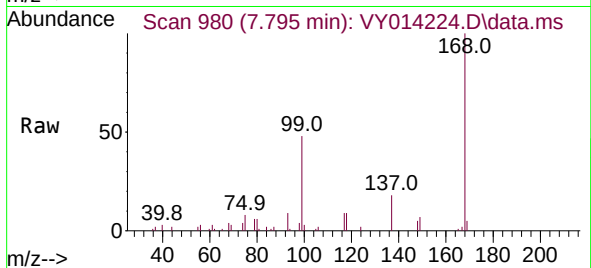




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

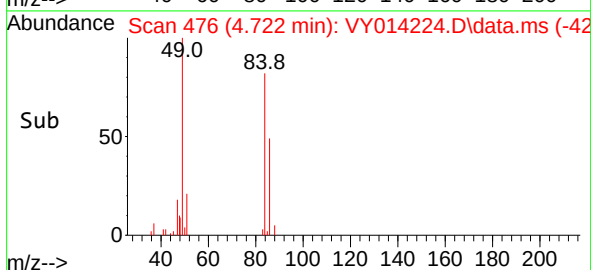
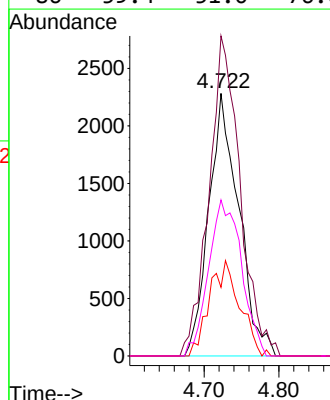
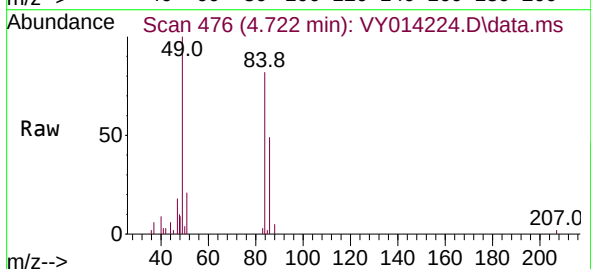
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-03-GRAB-7

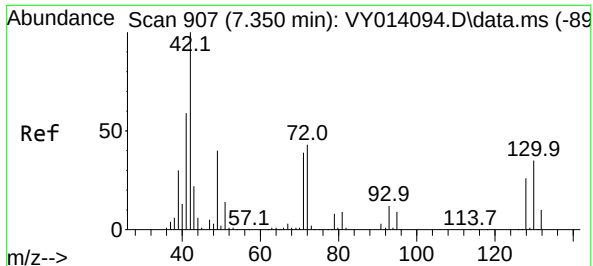
Tgt Ion:168 Resp: 16768
Ion Ratio Lower Upper
168 100
99 48.0 43.4 65.0



#20
Methylene Chloride
Concen: 26.715 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 84 Resp: 6378
Ion Ratio Lower Upper
84 100
49 121.9 106.9 160.3
51 26.1 33.2 49.8#
86 59.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 43.012 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014224.D

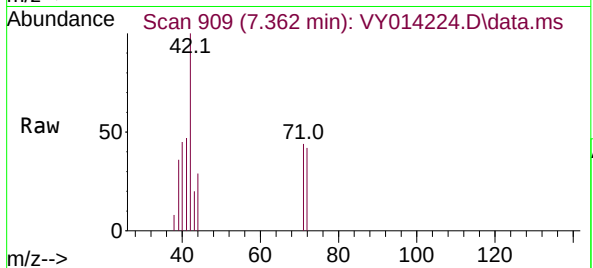
Acq: 16 Jun 2023 23:25

Instrument :

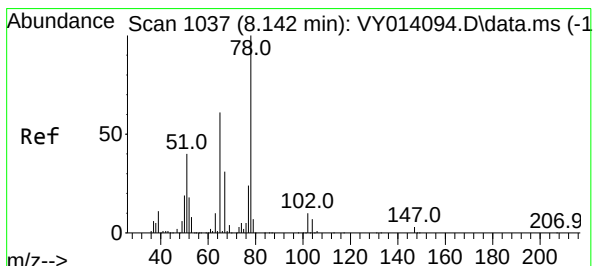
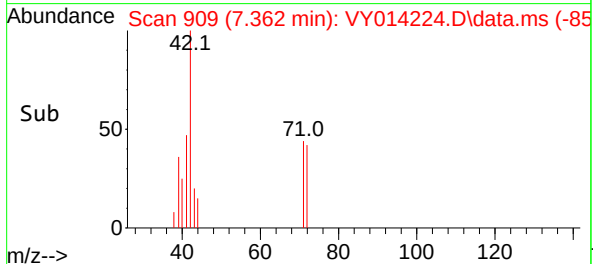
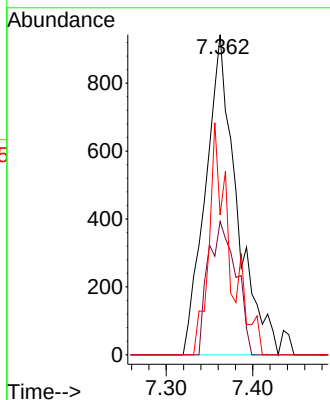
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-03-GRAB-7



Tgt Ion:	42	Resp:	2363
Ion	Ratio	Lower	Upper
42	100		
72	37.2	32.8	49.2
71	39.7	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 76.887 ug/l

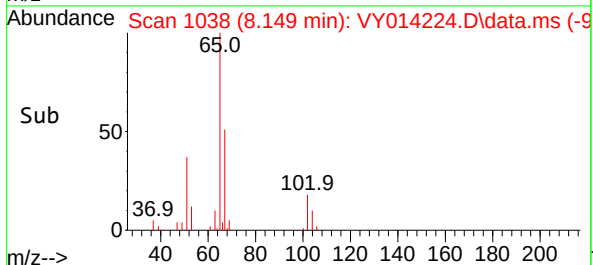
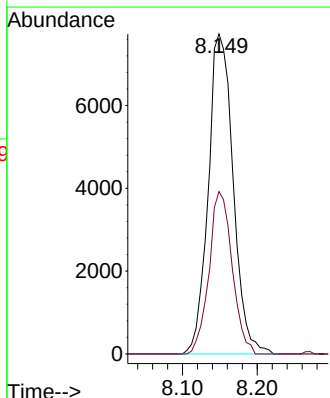
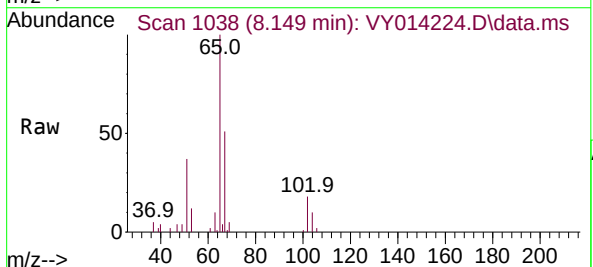
RT: 8.149 min Scan# 1038

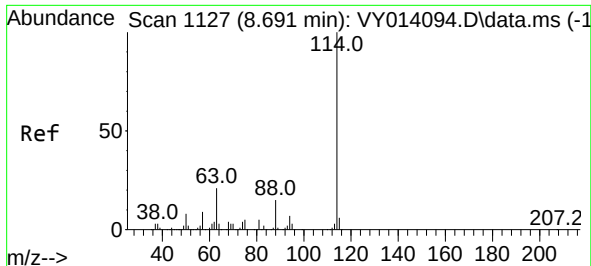
Delta R.T. 0.007 min

Lab File: VY014224.D

Acq: 16 Jun 2023 23:25

Tgt Ion:	65	Resp:	17953
Ion	Ratio	Lower	Upper
65	100		
67	47.0	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY014224.D

Acq: 16 Jun 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-03-GRAB-7

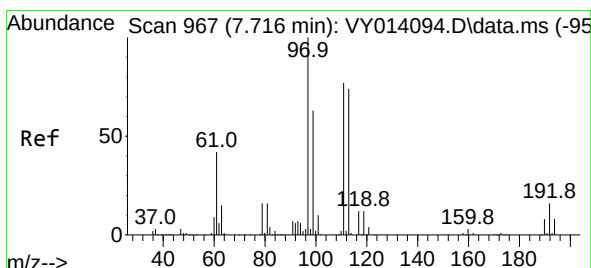
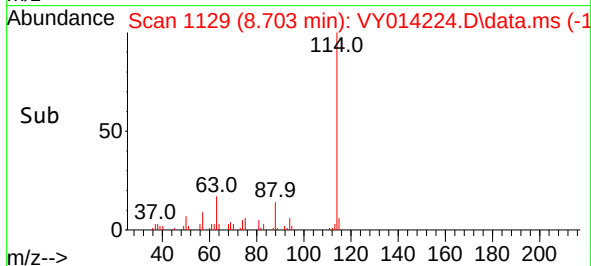
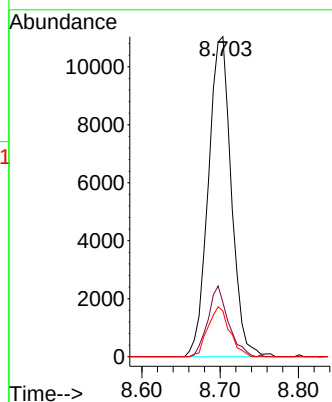
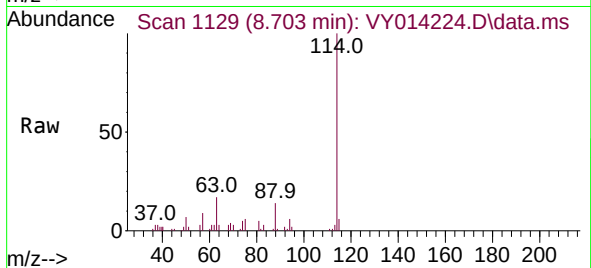
Tgt Ion:114 Resp: 22474

Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 62.824 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014224.D

Acq: 16 Jun 2023 23:25

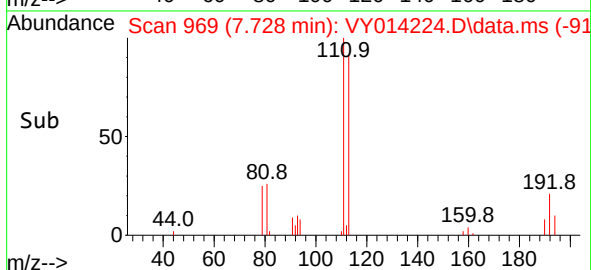
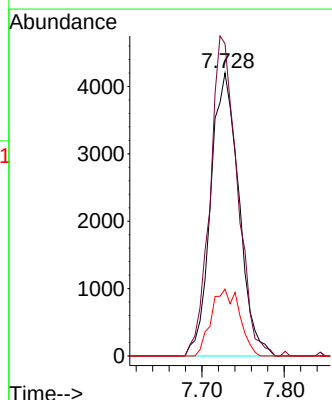
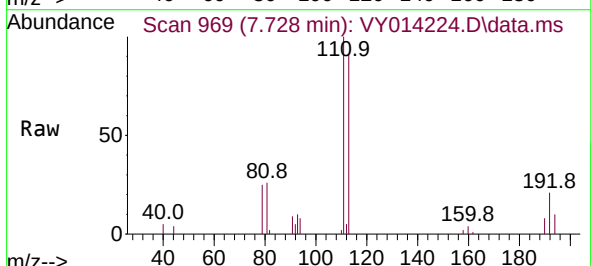
Tgt Ion:113 Resp: 10013

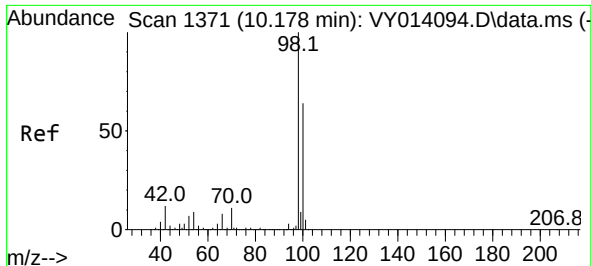
Ion Ratio Lower Upper

113 100

111 109.1 81.3 121.9

192 23.8 16.9 25.3

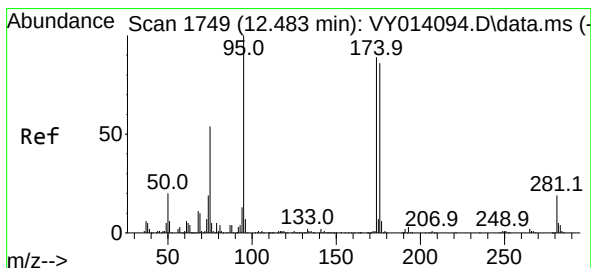
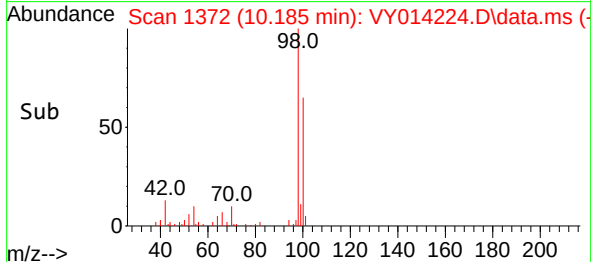
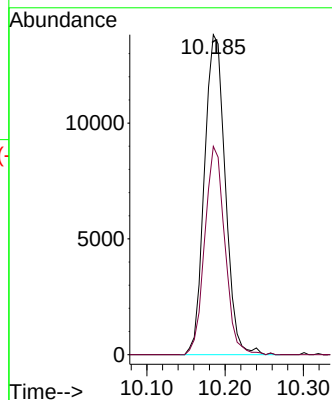
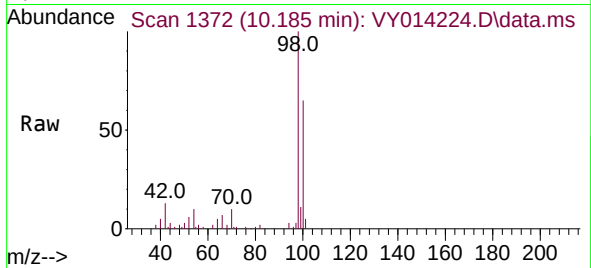




#50
Toluene-d8
Concen: 42.812 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

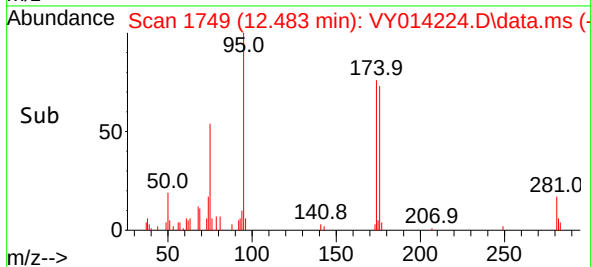
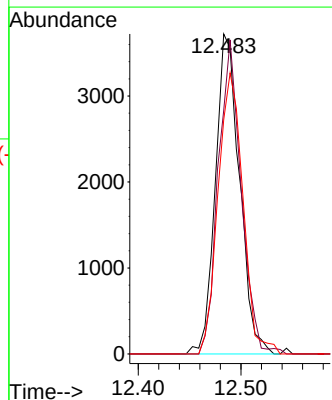
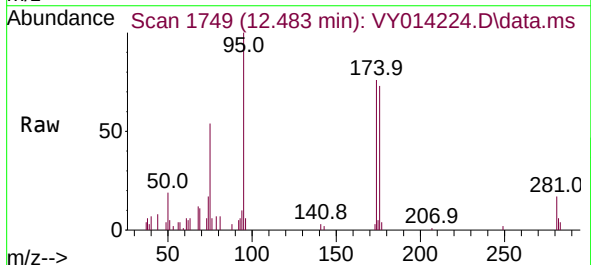
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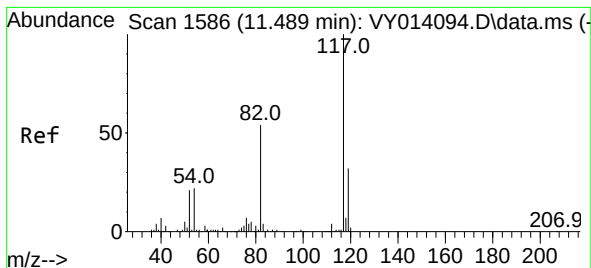
Tgt Ion: 98 Resp: 25510
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 28.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 95 Resp: 6073
Ion Ratio Lower Upper
95 100
174 92.9 0.0 178.2
176 90.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014224.D

Acq: 16 Jun 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-03-GRAB-7

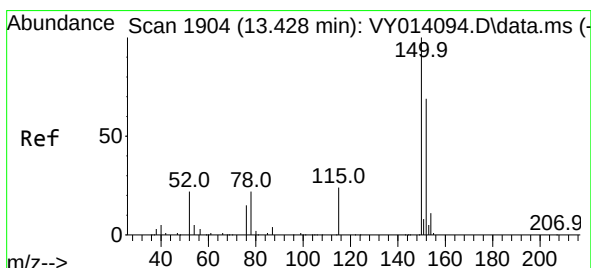
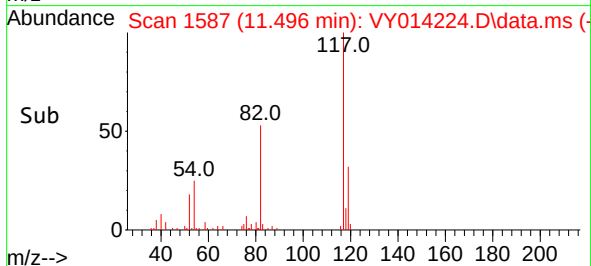
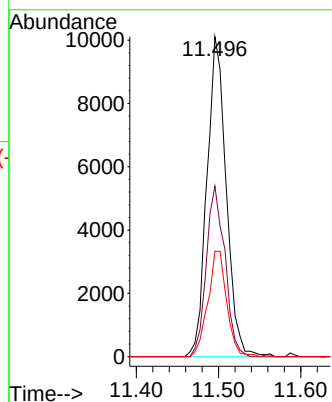
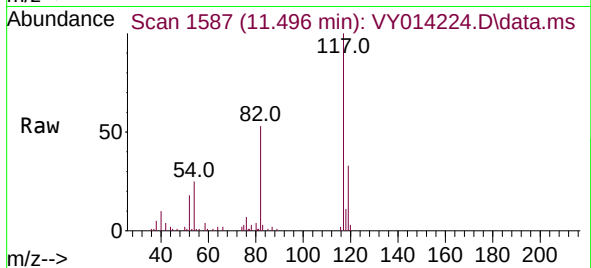
Tgt Ion:117 Resp: 16471

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 33.0 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: VY014224.D

Acq: 16 Jun 2023 23:25

Tgt Ion:152 Resp: 6686

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 160.4 0.0 348.8

