

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014271.D
 Acq On : 20 Jun 2023 09:20
 Operator : KP/MD
 Sample : 03298-06
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-04-GRAB-7

Quant Time: Jun 20 11:25:34 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)

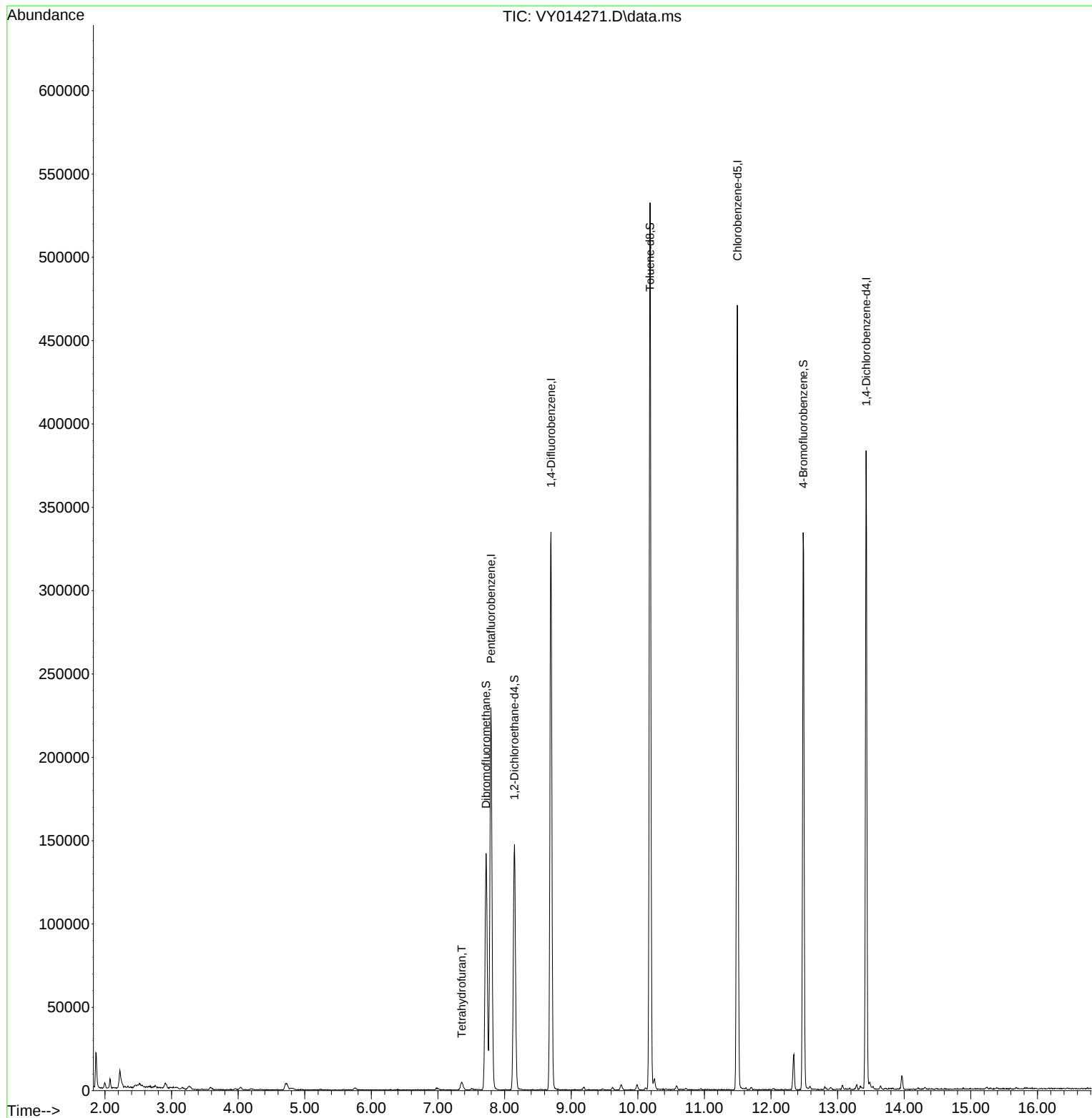
Internal Standards						
1) Pentafluorobenzene	7.795	168	174737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	251293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124755	51.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.540%	
35) Dibromofluoromethane	7.722	113	95018	47.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.620%	
50) Toluene-d8	10.185	98	337414	45.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.820%	
62) 4-Bromofluorobenzene	12.483	95	96400	36.524	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.040%	
Target Compounds						Qvalue
29) Tetrahydrofuran	7.356	42	3621	6.325	ug/l	93

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

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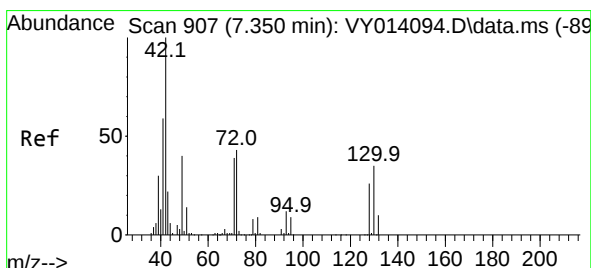
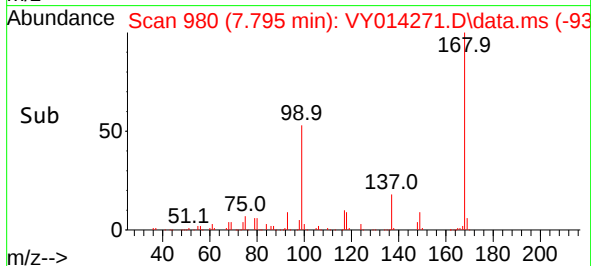
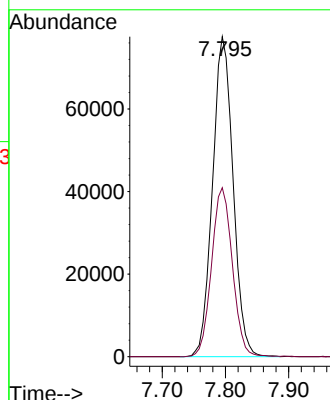
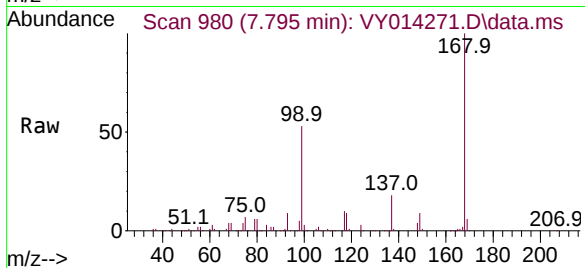




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

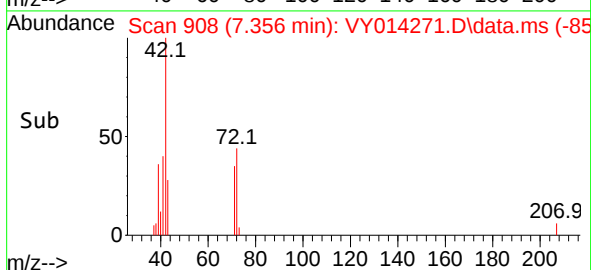
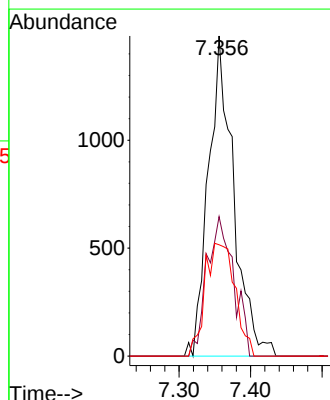
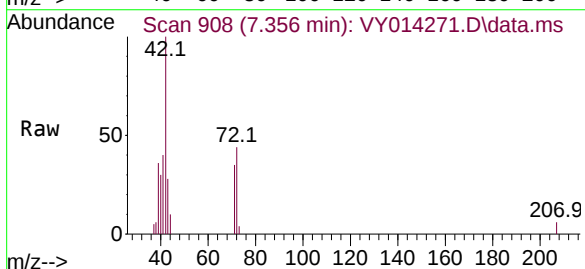
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-7

Tgt Ion:168 Resp: 174737
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#29
Tetrahydrofuran
Concen: 6.325 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 42 Resp: 3621
Ion Ratio Lower Upper
42 100
72 46.2 32.8 49.2
71 42.0 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 51.271 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

Instrument :

MSVOA_Y

ClientSampleId :

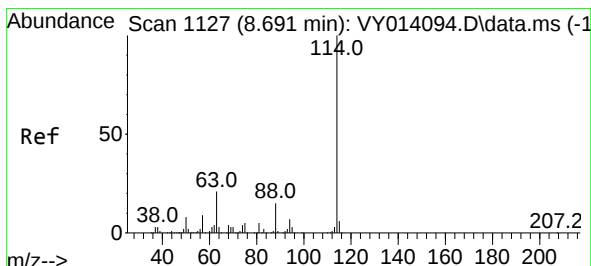
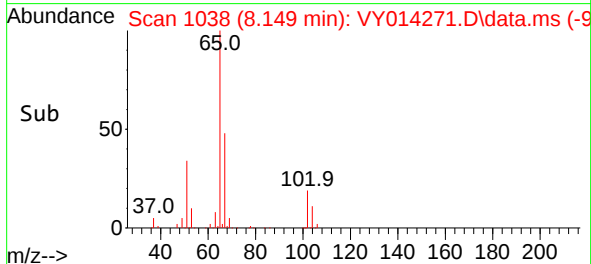
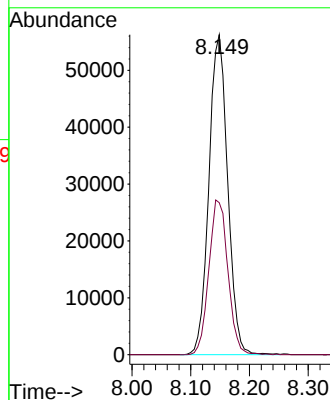
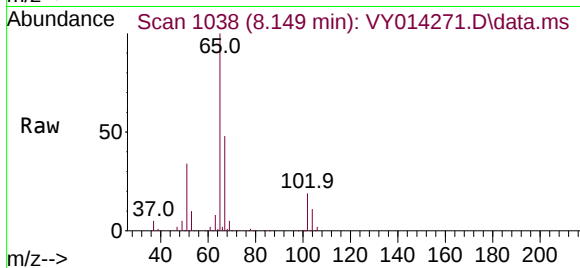
TOTAL-VOC-TW-04-GRAB-7

Tgt Ion: 65 Resp: 124755

Ion Ratio Lower Upper

65 100

67 49.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

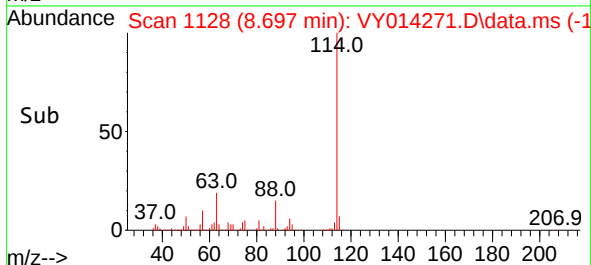
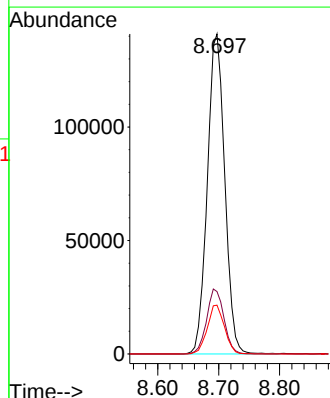
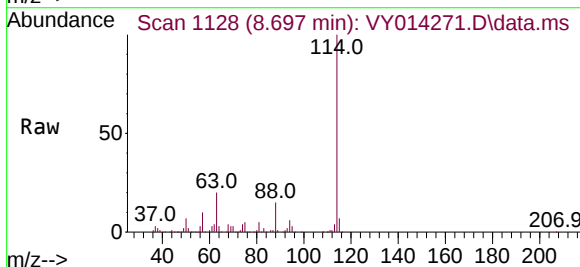
Tgt Ion: 114 Resp: 280238

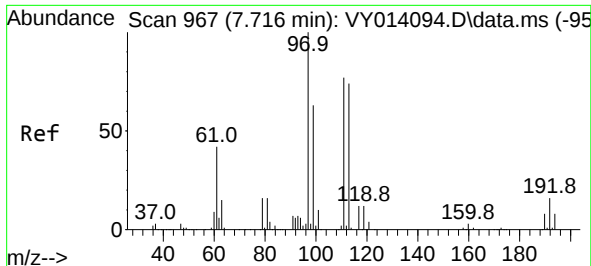
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.3 0.0 30.6

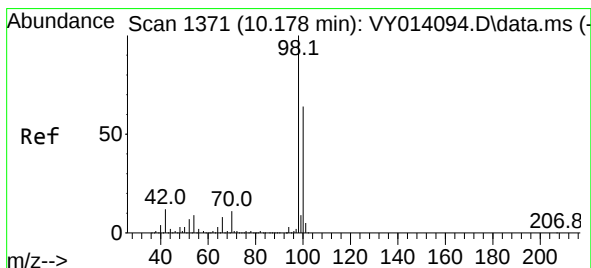
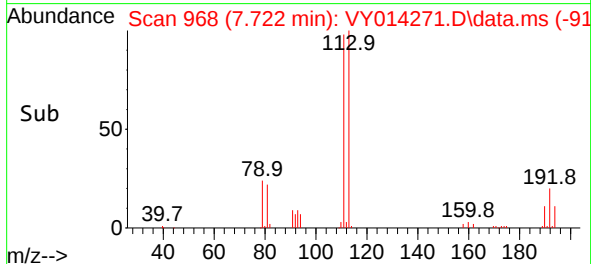
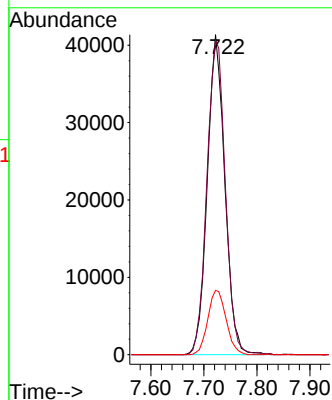
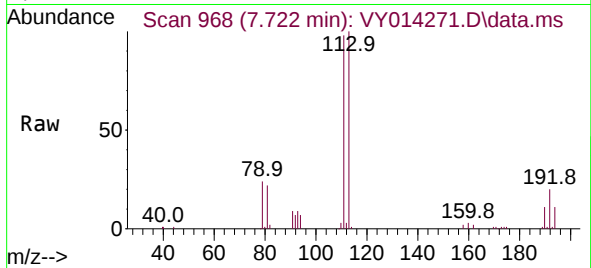




#35
Dibromofluoromethane
Concen: 47.811 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

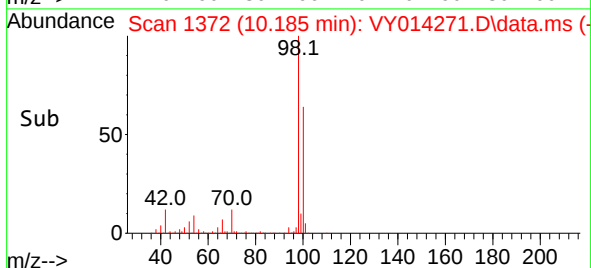
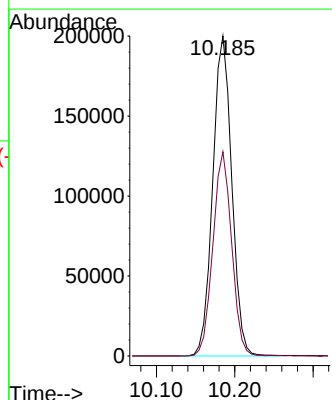
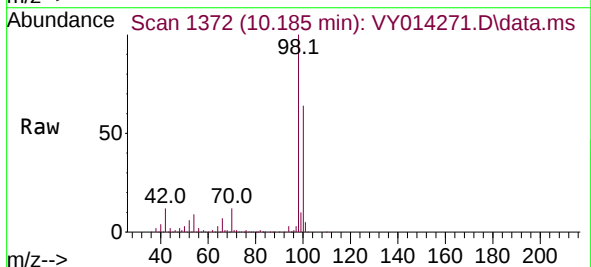
Instrument :
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TOTAL-VOC-TW-04-GRAB-7

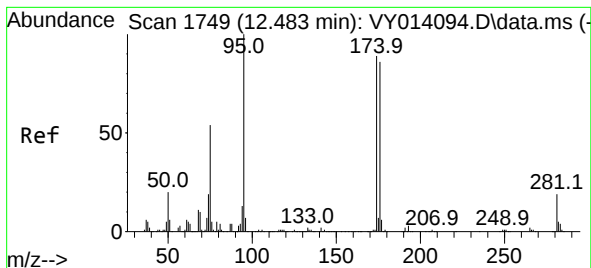
Tgt Ion:113 Resp: 95018
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 21.0 16.9 25.3



#50
Toluene-d8
Concen: 45.412 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014271.D
Acq: 20 Jun 2023 09:20

Tgt Ion: 98 Resp: 337414
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 36.524 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-04-GRAB-7

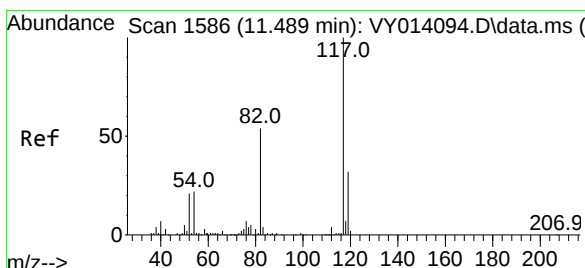
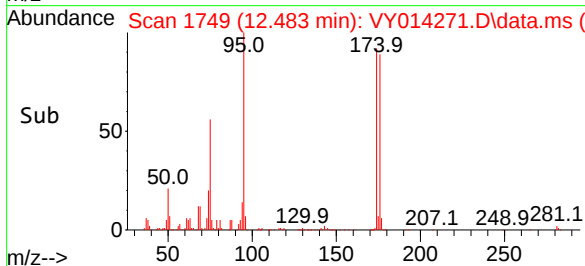
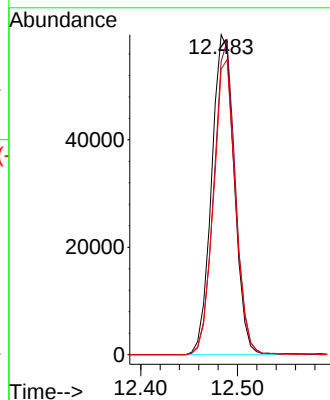
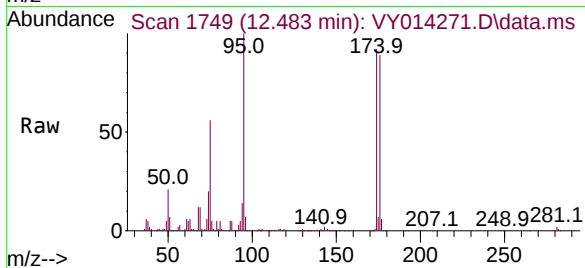
Tgt Ion: 95 Resp: 96400

Ion Ratio Lower Upper

95 100

174 93.8 0.0 178.2

176 89.3 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.007 min

Lab File: VY014271.D

Acq: 20 Jun 2023 09:20

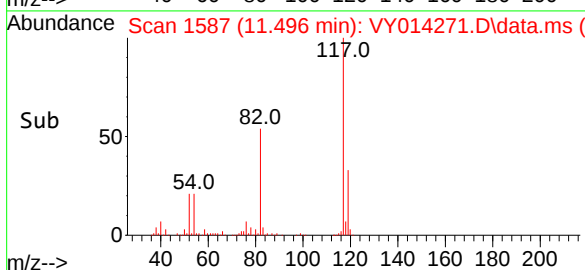
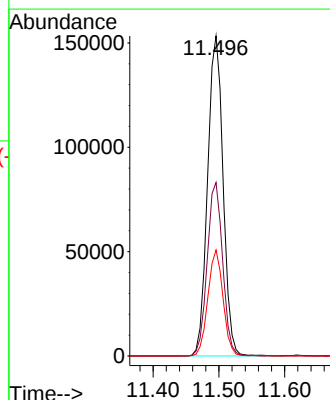
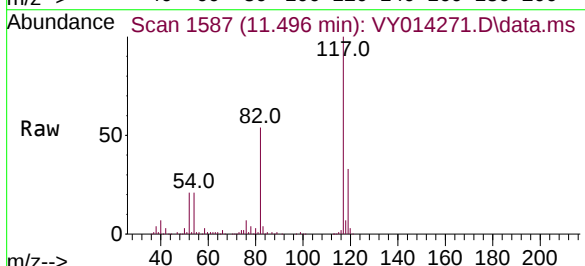
Tgt Ion: 117 Resp: 251293

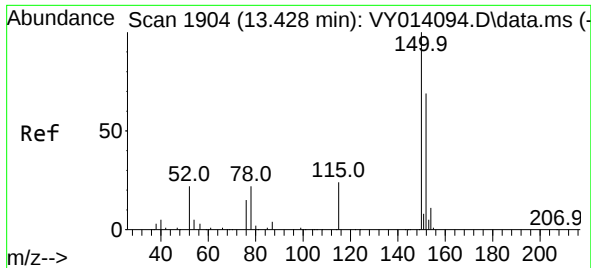
Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

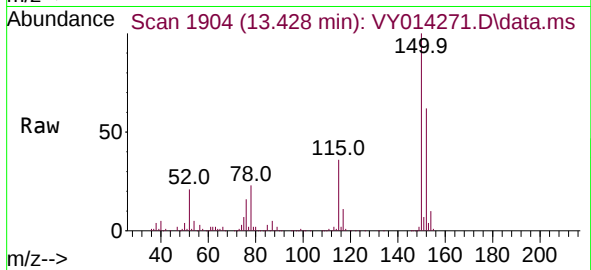
119 33.1 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014271.D
 Acq: 20 Jun 2023 09:20

Instrument : MSVOA_Y
 ClientSampleId : TOTAL-VOC-TW-04-GRAB-7



Tgt Ion:	152	Resp:	96136
Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.8	86.5
150	158.6	0.0	348.8

