

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022370.D
 Acq On : 21 May 2025 16:18
 Operator : SY/MD
 Sample : Q2095-07
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TP2-VOC

Quant Time: May 22 00:12:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.719	168	247149	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	437496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	357581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	132597	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	126655	46.890	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.780%
35) Dibromofluoromethane	7.646	113	132003	50.552	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.100%
50) Toluene-d8	10.115	98	523289	48.931	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.414	95	134862	39.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.560%

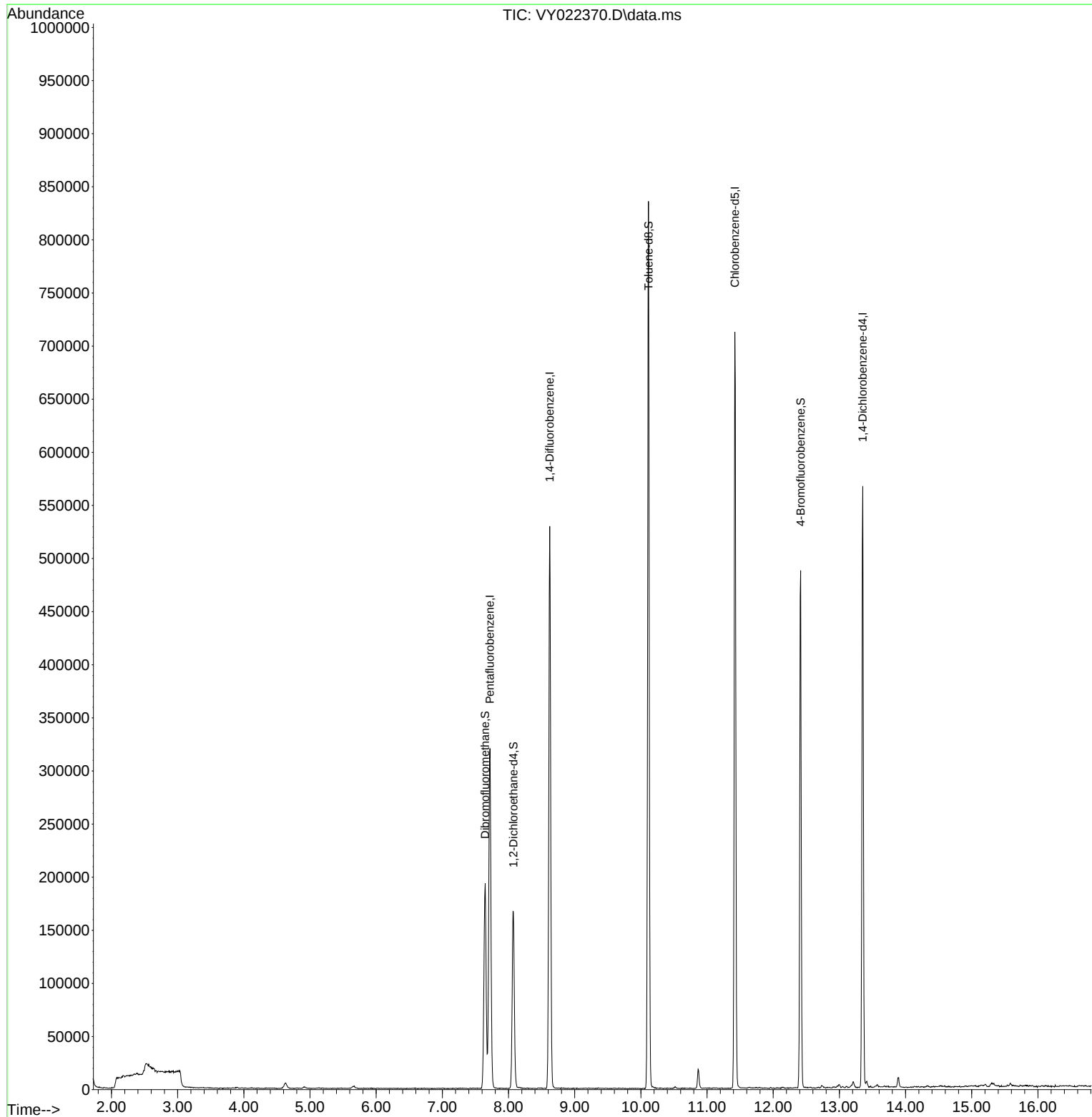
Target Compounds	Qvalue

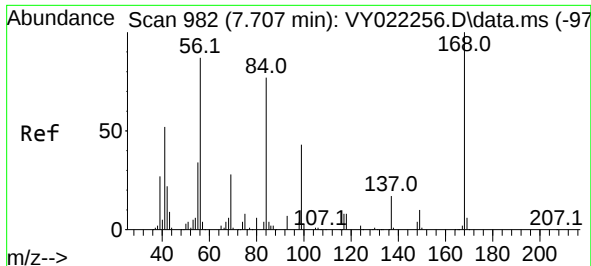
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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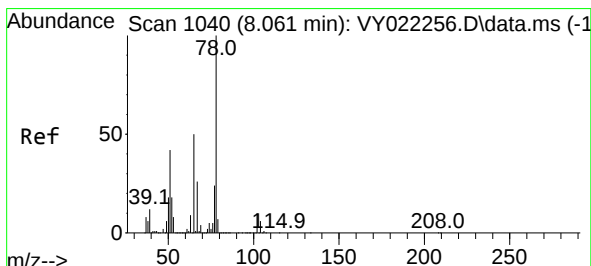
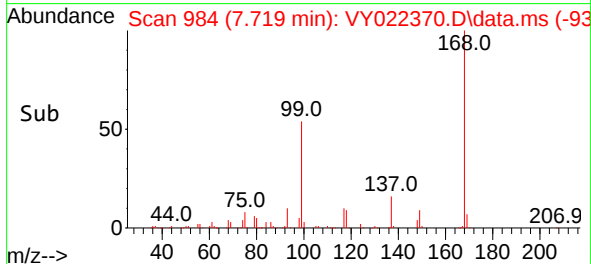
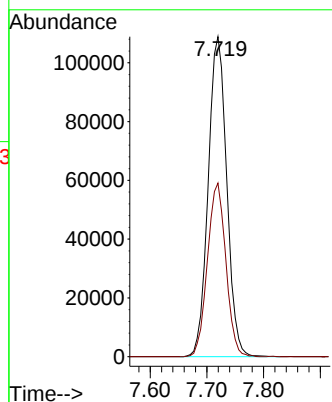
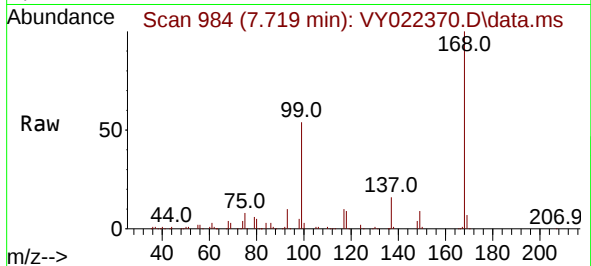




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

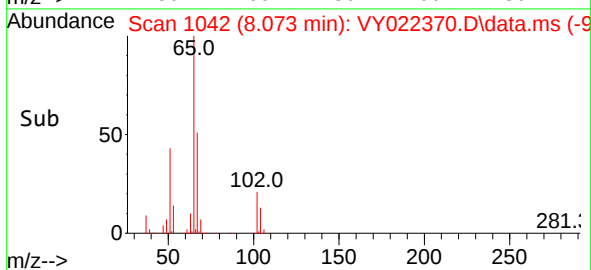
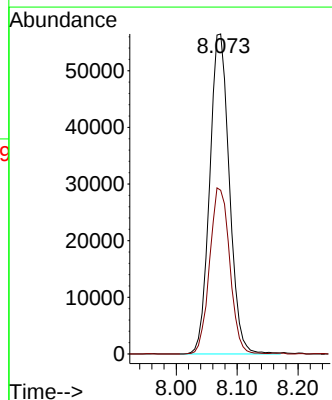
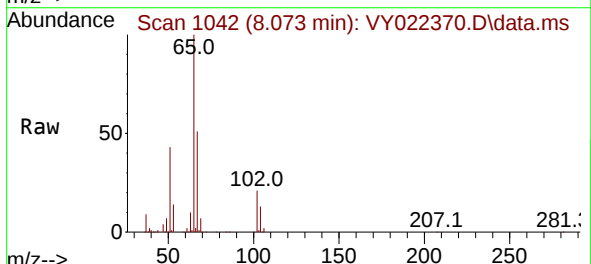
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

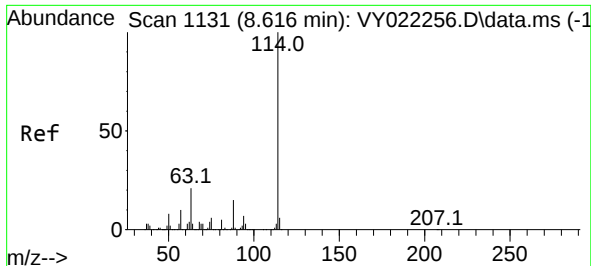
Tgt Ion:168 Resp: 247149
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.890 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion: 65 Resp: 126655
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6

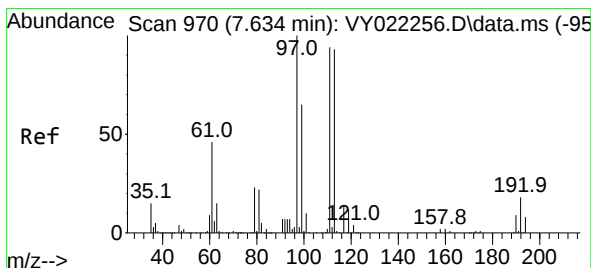
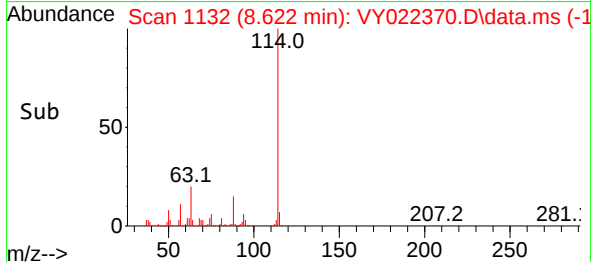
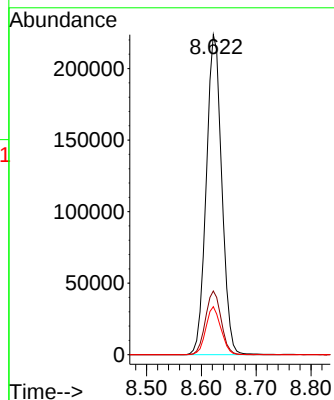
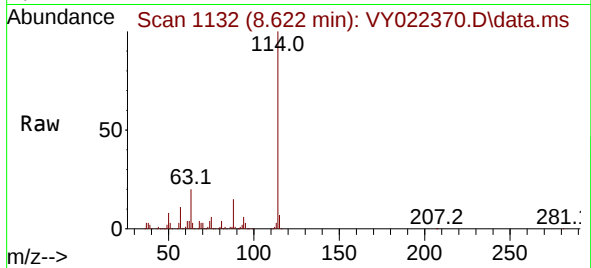




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

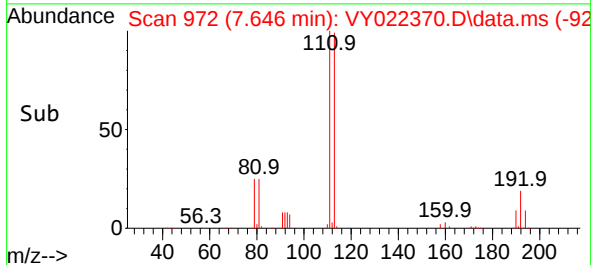
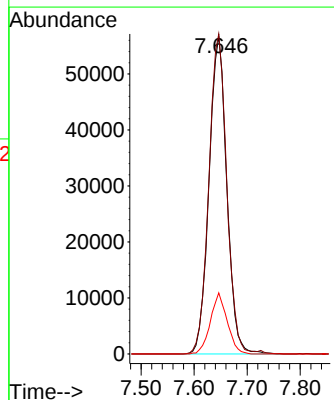
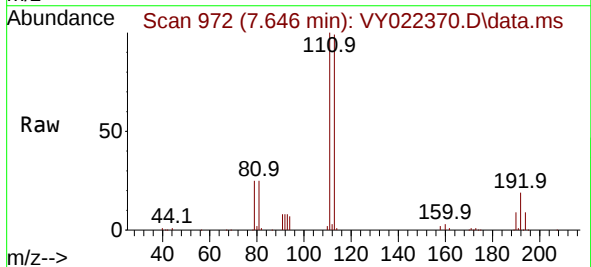
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

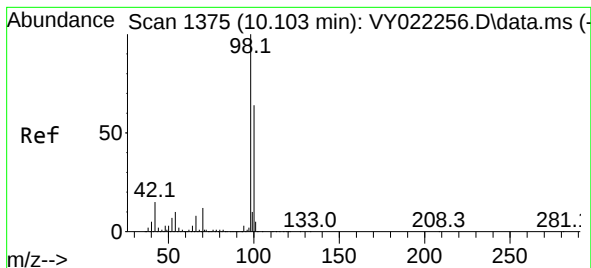
Tgt Ion:114 Resp: 437496
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.552 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion:113 Resp: 132003
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 18.2 15.2 22.8





#50

Toluene-d8

Concen: 48.931 ug/l

RT: 10.115 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY022370.D

Acq: 21 May 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

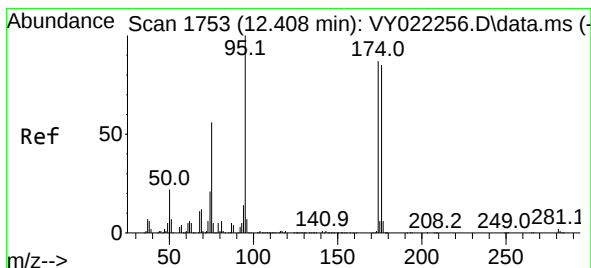
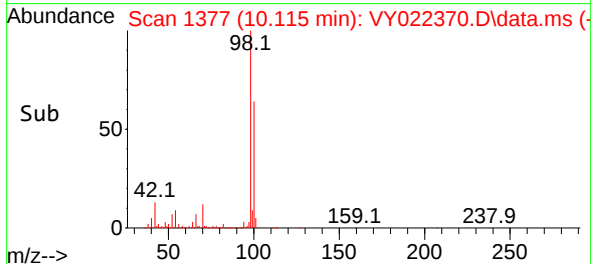
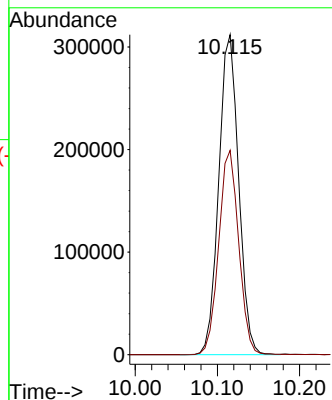
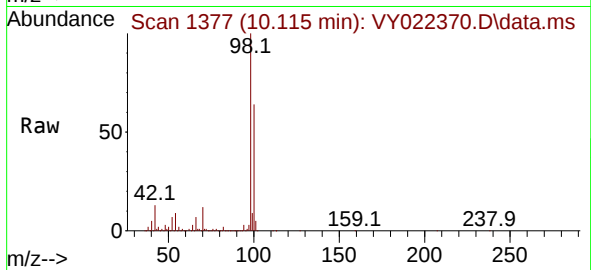
WCS-TP2-VOC

Tgt Ion: 98 Resp: 523289

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 39.785 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY022370.D

Acq: 21 May 2025 16:18

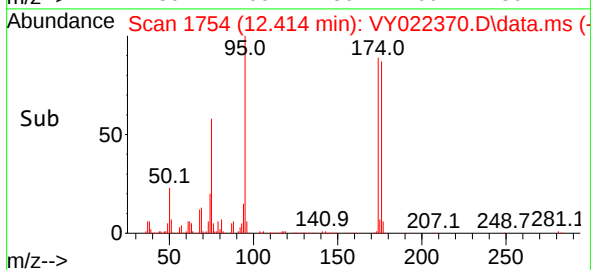
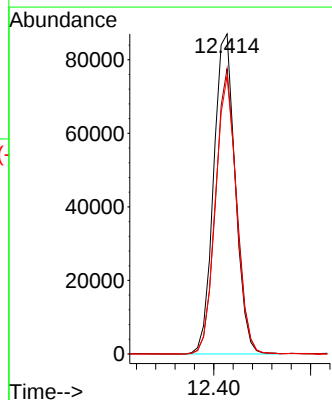
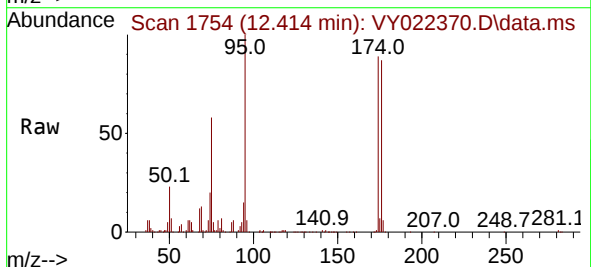
Tgt Ion: 95 Resp: 134862

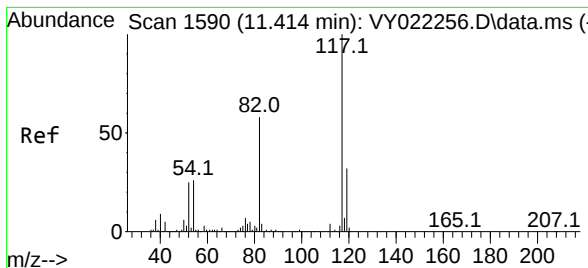
Ion Ratio Lower Upper

95 100

174 86.2 0.0 166.8

176 84.8 0.0 160.8

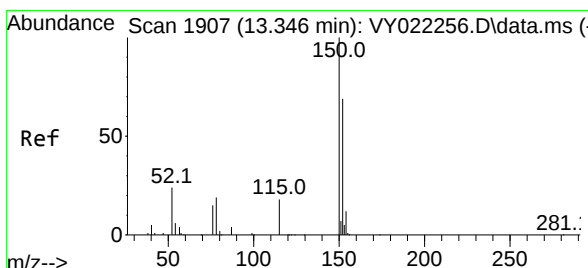
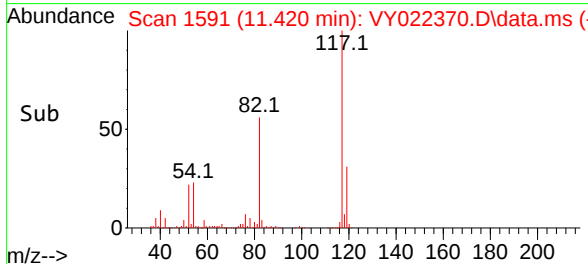
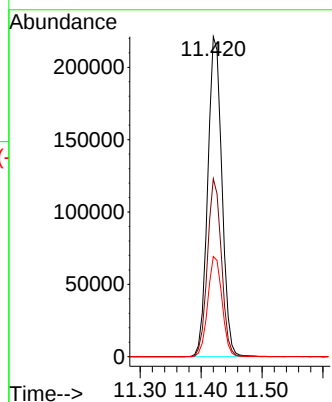
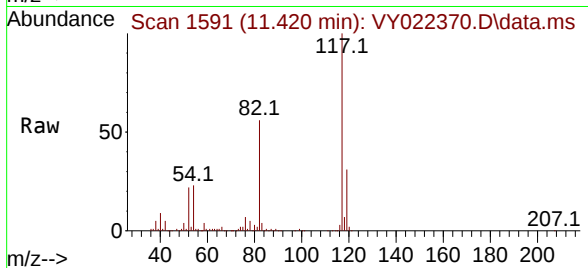




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

Tgt Ion:117 Resp: 357581
Ion Ratio Lower Upper
117 100
82 55.6 46.6 70.0
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion:152 Resp: 132597
Ion Ratio Lower Upper
152 100
115 57.4 29.4 88.2
150 157.5 0.0 353.8

