

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022385.D
 Acq On : 22 May 2025 11:01
 Operator : SY/MD
 Sample : Q2101-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-MHE-VOC

Quant Time: May 23 03:34:24 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	249549	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	443424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	356504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	132503	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	135158	49.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.120%
35) Dibromofluoromethane	7.640	113	133334	50.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.760%
50) Toluene-d8	10.109	98	526971	48.616	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.407	95	137102	39.905	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.800%

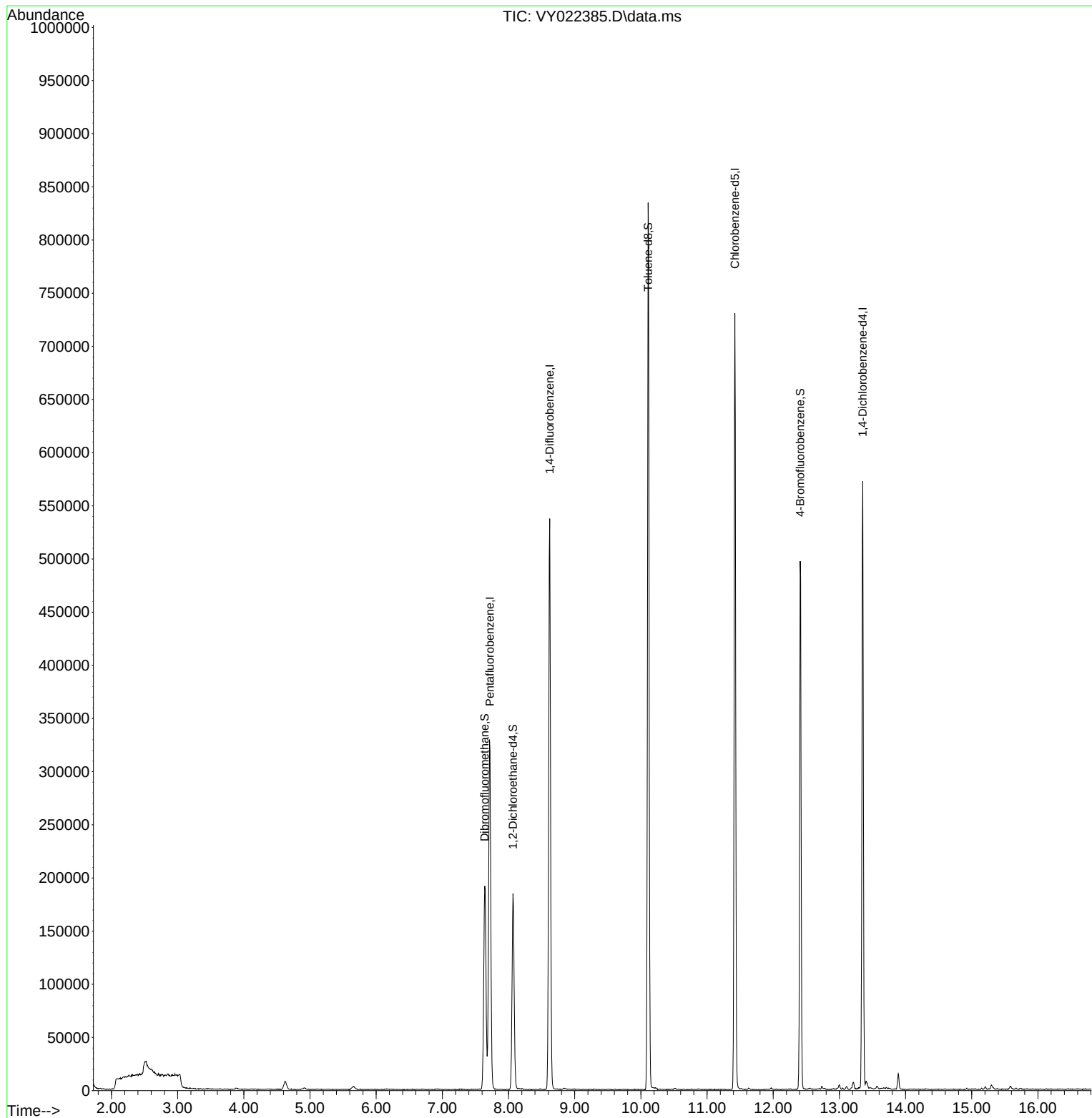
Target Compounds	Qvalue

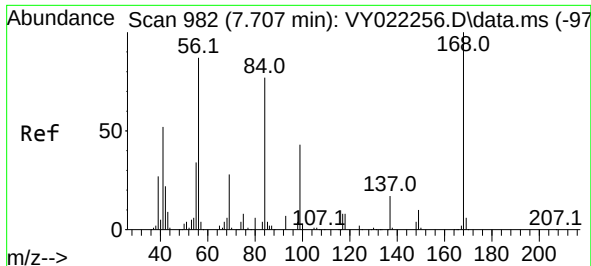
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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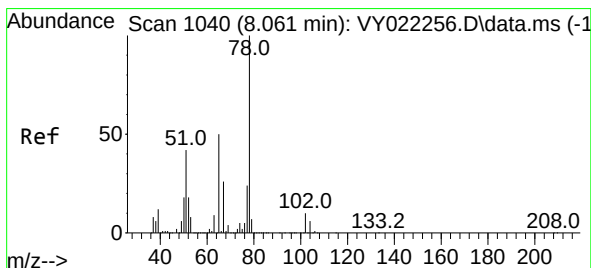
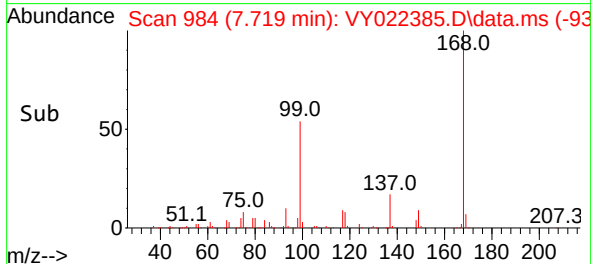
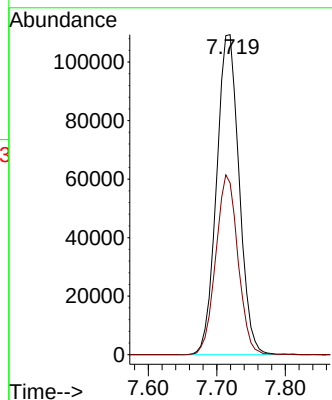
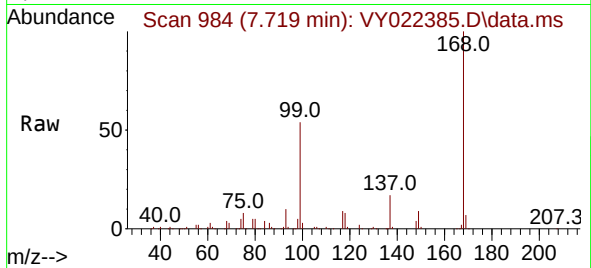




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022385.D
Acq: 22 May 2025 11:01

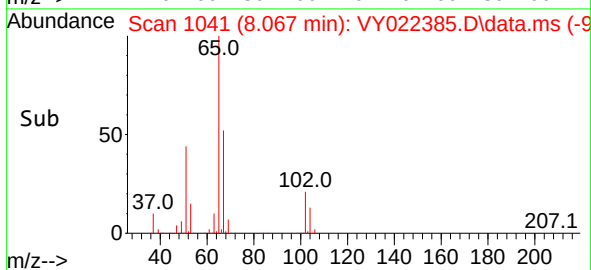
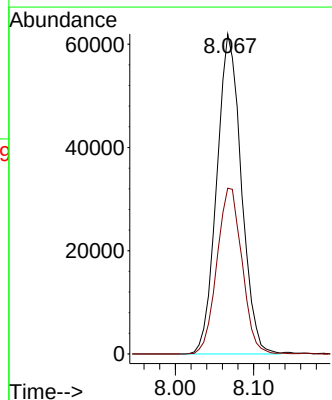
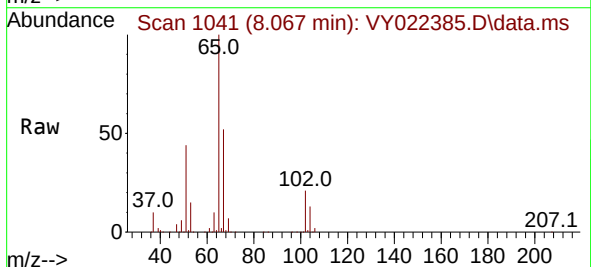
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-MHE-VOC

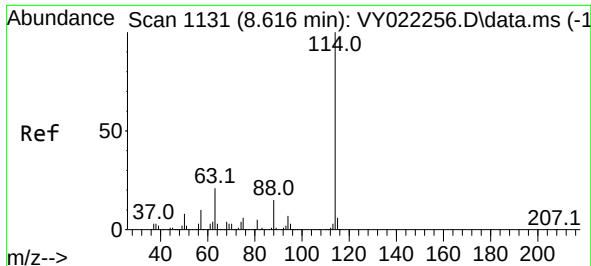
Tgt Ion:168 Resp: 249549
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 49.557 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022385.D
Acq: 22 May 2025 11:01

Tgt Ion: 65 Resp: 135158
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# 1131

Delta R.T. 0.006 min

Lab File: VY022385.D

Acq: 22 May 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-MHE-VOC

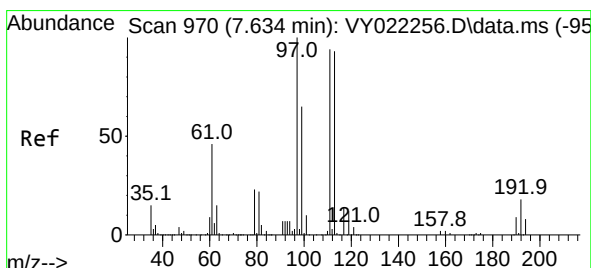
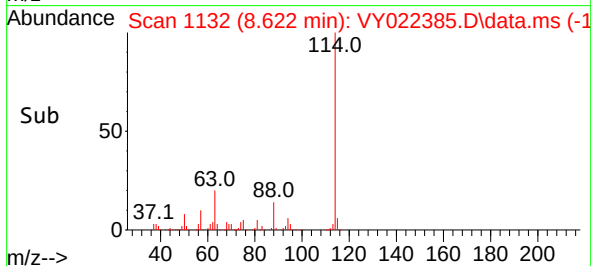
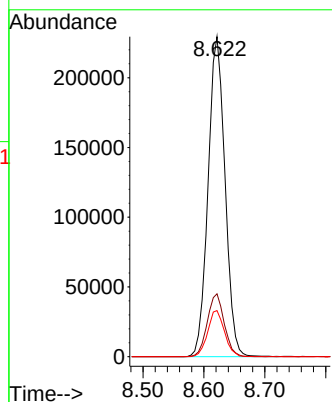
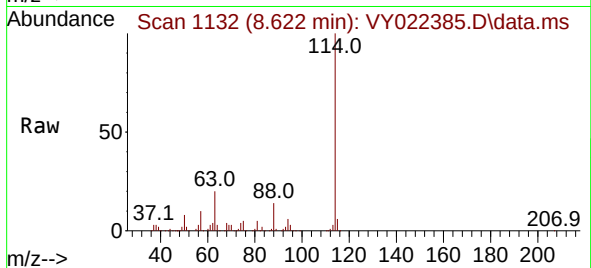
Tgt Ion:114 Resp: 443424

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.0

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.379 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022385.D

Acq: 22 May 2025 11:01

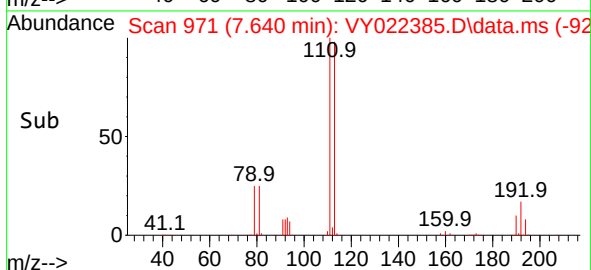
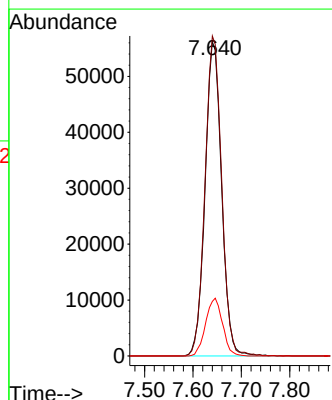
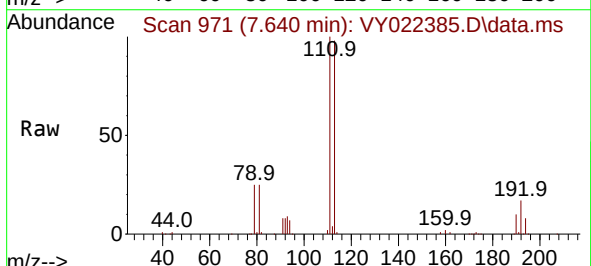
Tgt Ion:113 Resp: 133334

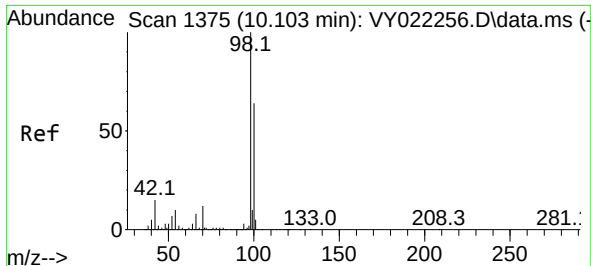
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.8 15.2 22.8

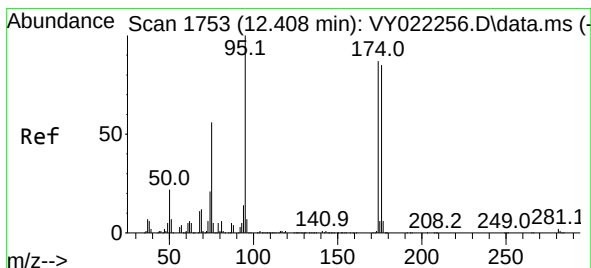
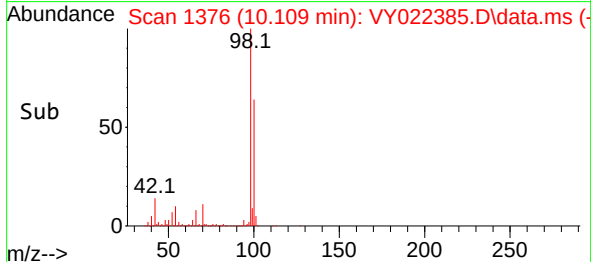
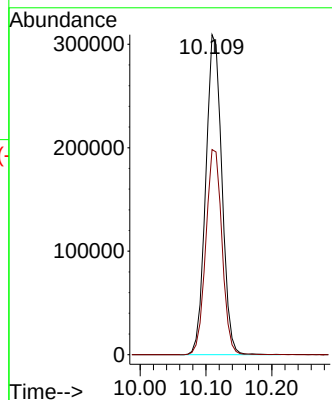
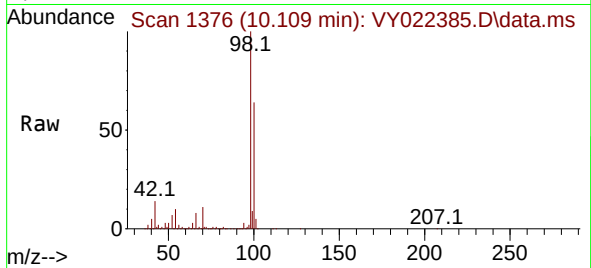




#50
Toluene-d8
Concen: 48.616 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022385.D
Acq: 22 May 2025 11:01

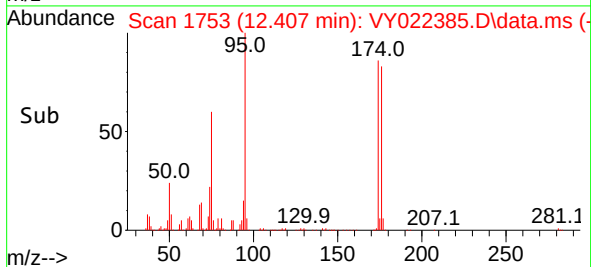
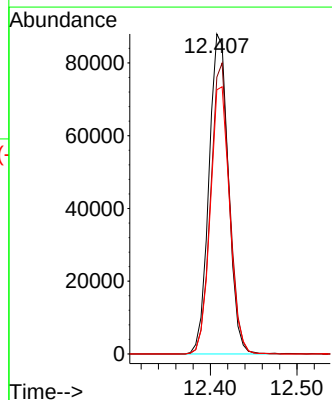
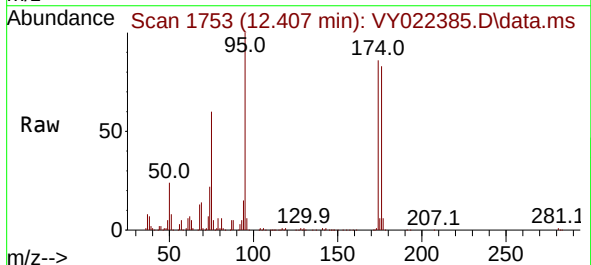
Instrument :
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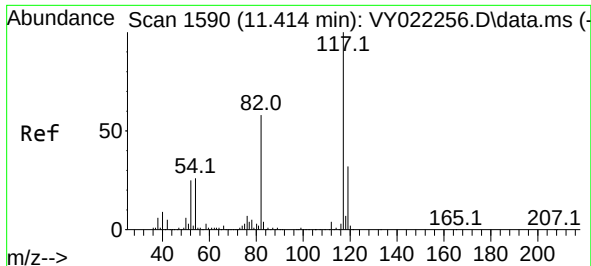
Tgt Ion: 98 Resp: 526971
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.905 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022385.D
Acq: 22 May 2025 11:01

Tgt Ion: 95 Resp: 137102
Ion Ratio Lower Upper
95 100
174 88.5 0.0 166.8
176 83.5 0.0 160.8

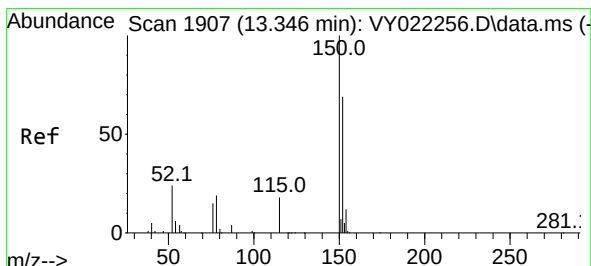
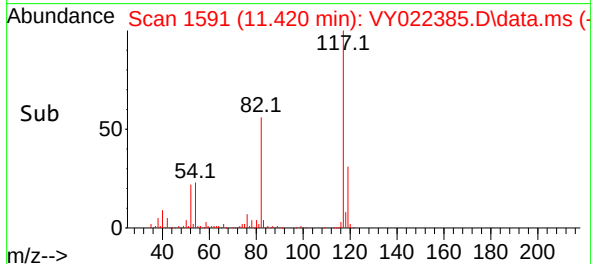
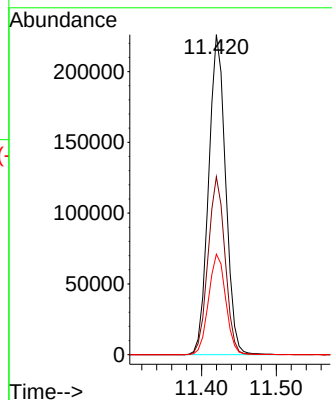
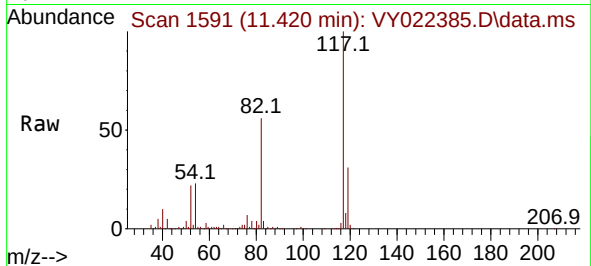




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022385.D
Acq: 22 May 2025 11:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-MHE-VOC

Tgt Ion:117 Resp: 356504
Ion Ratio Lower Upper
117 100
82 55.6 46.6 70.0
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022385.D
Acq: 22 May 2025 11:01

Tgt Ion:152 Resp: 132503
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.2
150 158.4 0.0 353.8

