

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022311.D
 Acq On : 19 May 2025 12:15
 Operator : SY/MD
 Sample : Q2048-07
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-2-VOC

Quant Time: May 20 01:12:10 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	7.707	168	281523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	507821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150048	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151923	49.377	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.760%
35) Dibromofluoromethane	7.634	113	152596	50.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.700%
50) Toluene-d8	10.103	98	600833	48.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.401	95	158110	40.184	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.360%

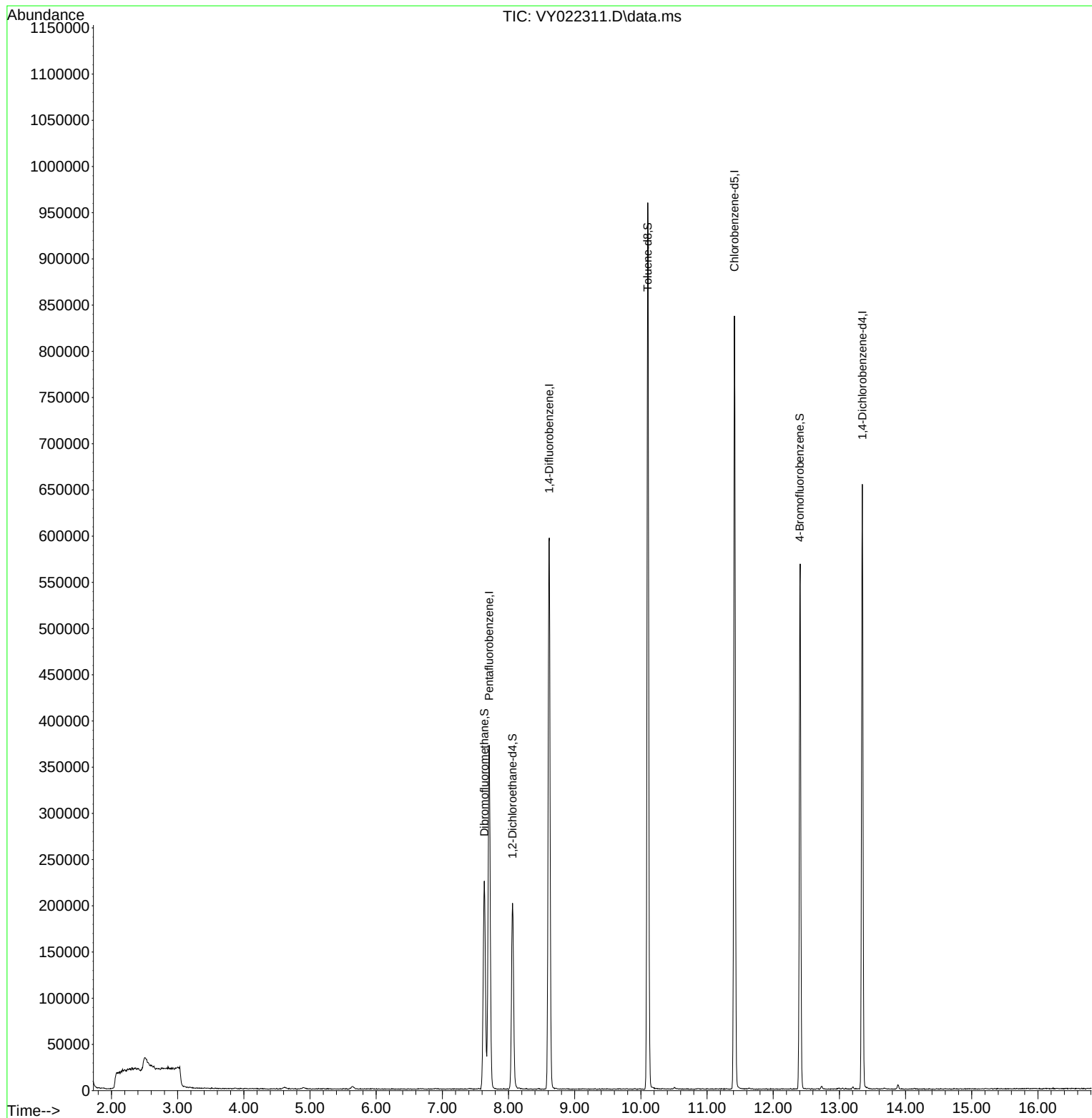
Target Compounds	Qvalue

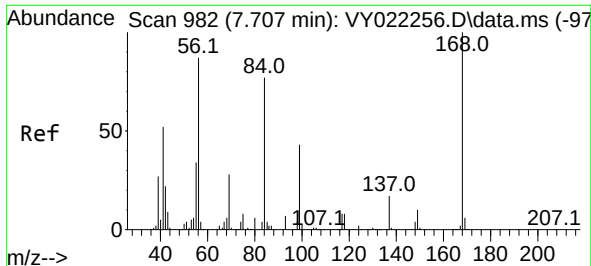
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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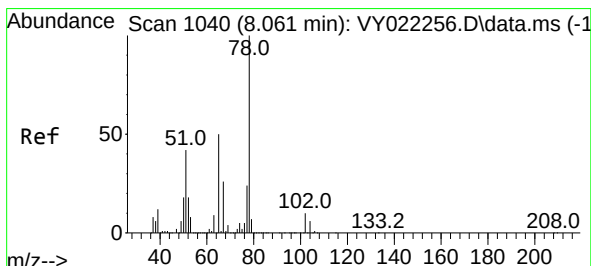
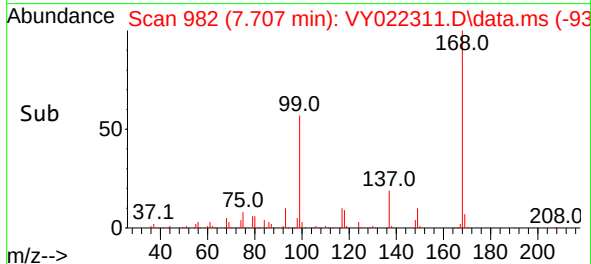
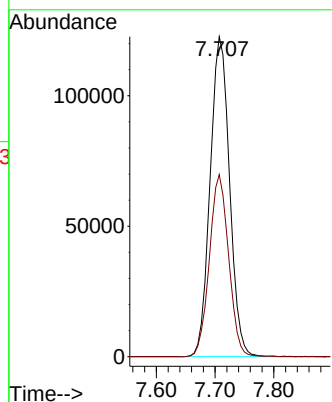
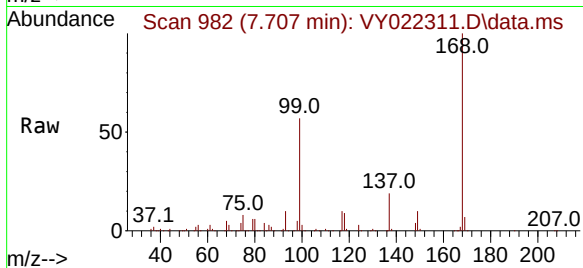




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

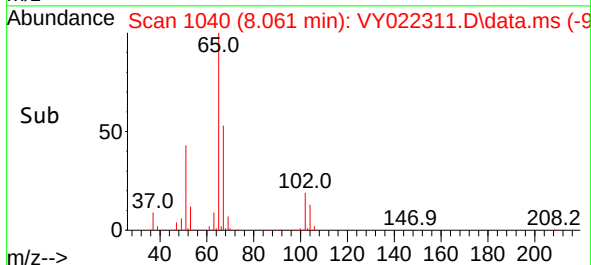
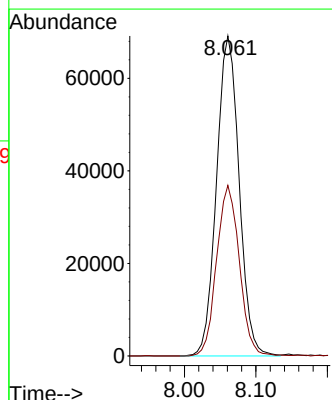
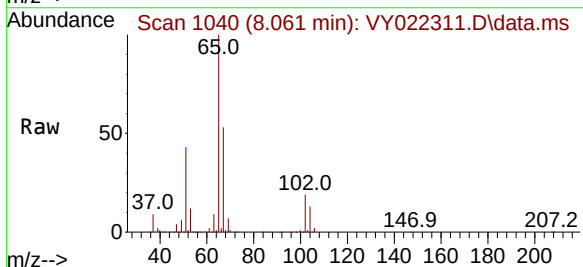
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-2-VOC

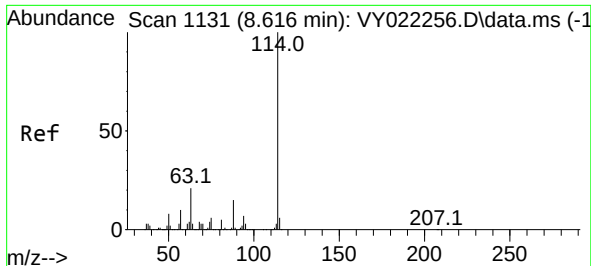
Tgt Ion:168 Resp: 281523
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 49.377 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Tgt Ion: 65 Resp: 151923
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022311.D

Acq: 19 May 2025 12:15

Instrument :

MSVOA_Y

ClientSampleId :

L2-WC-2-VOC

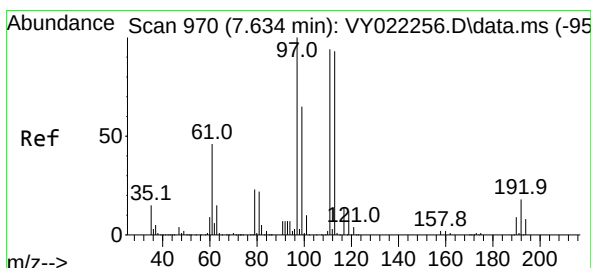
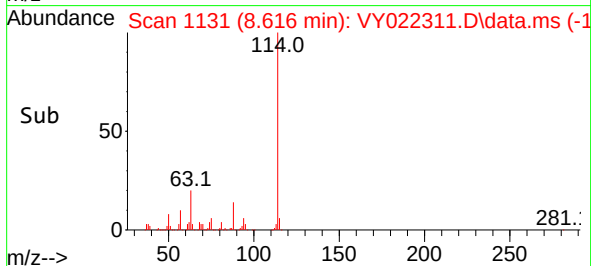
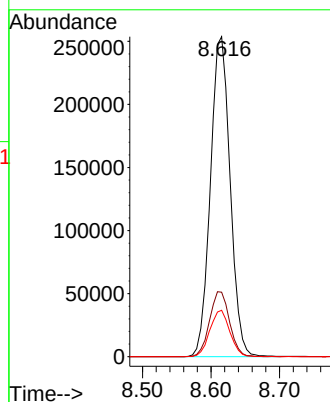
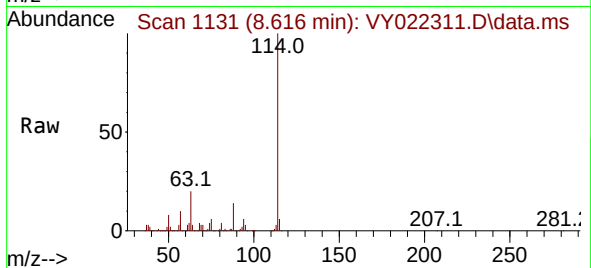
Tgt Ion:114 Resp: 507821

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.346 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022311.D

Acq: 19 May 2025 12:15

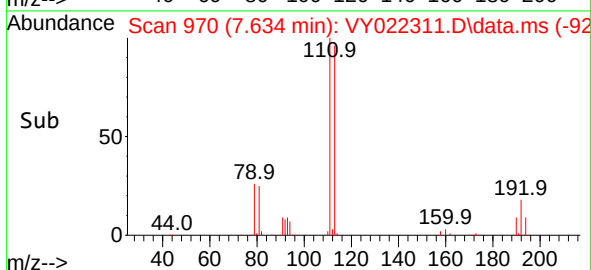
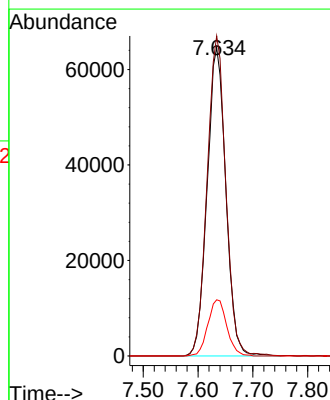
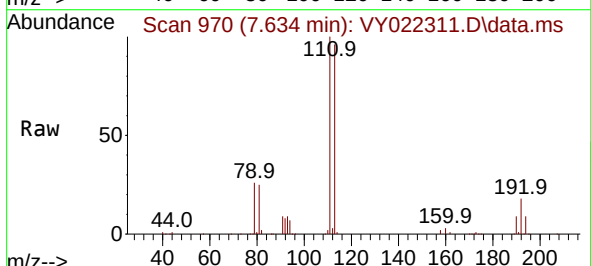
Tgt Ion:113 Resp: 152596

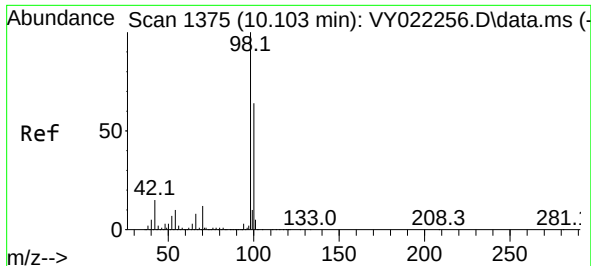
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 18.5 15.2 22.8

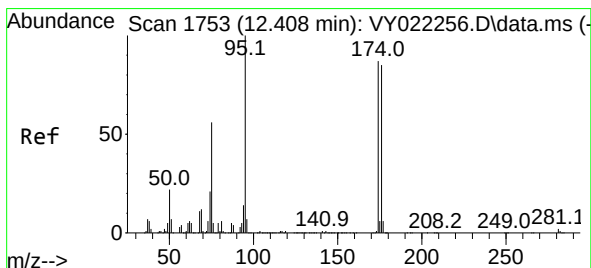
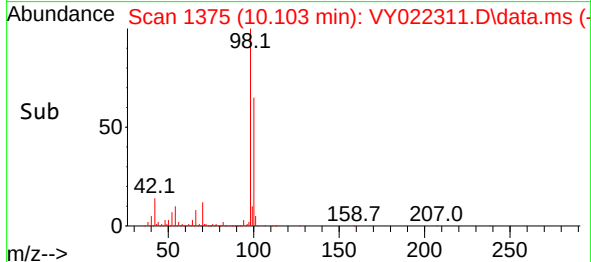
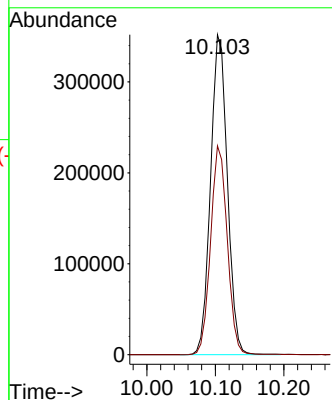
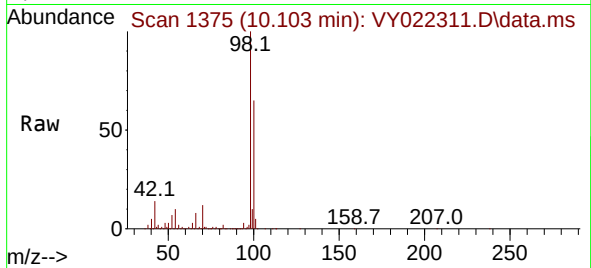




#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

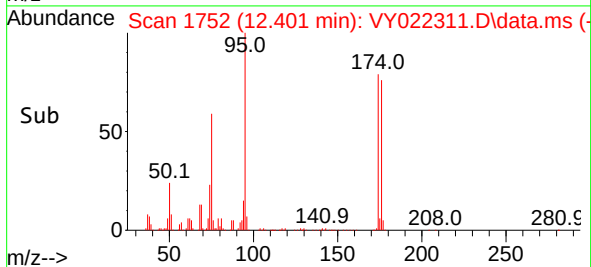
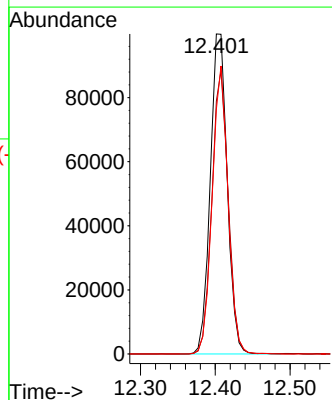
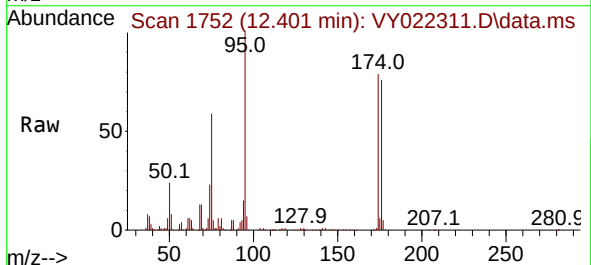
Instrument :
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ClientSampleId :
L2-WC-2-VOC

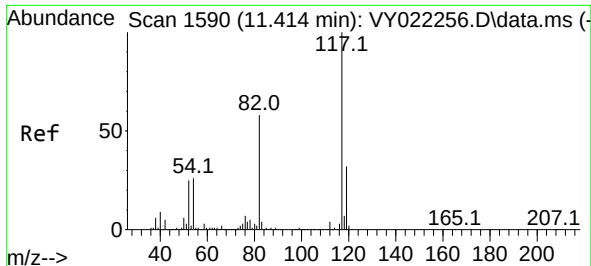
Tgt Ion: 98 Resp: 600833
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.184 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Tgt Ion: 95 Resp: 158110
Ion Ratio Lower Upper
95 100
174 85.4 0.0 166.8
176 84.1 0.0 160.8

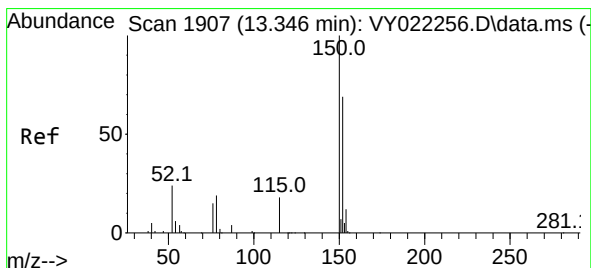
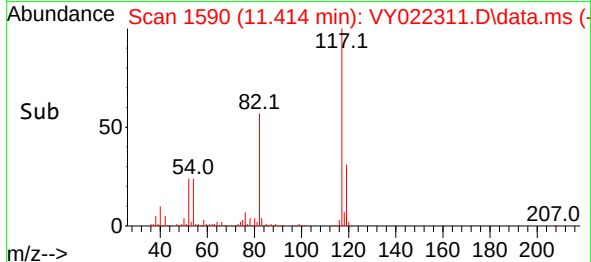
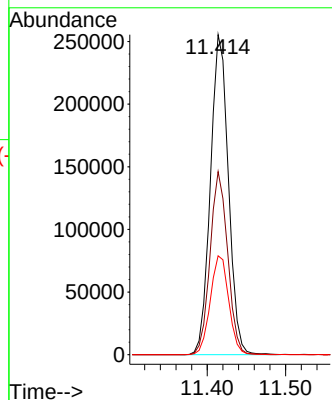
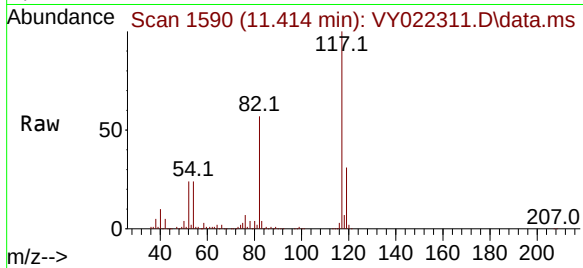




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-2-VOC

Tgt Ion:117 Resp: 406930
Ion Ratio Lower Upper
117 100
82 57.2 46.6 70.0
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022311.D
Acq: 19 May 2025 12:15

Tgt Ion:152 Resp: 150048
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.2
150 158.5 0.0 353.8

