

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022340.D
 Acq On : 20 May 2025 14:12
 Operator : SY/MD
 Sample : Q2080-02
 Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-HRH-VOC-01

Quant Time: May 21 01:48:47 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	212991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	377512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	286890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	103428	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	105583	45.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.720%
35) Dibromofluoromethane	7.634	113	107672	47.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.580%
50) Toluene-d8	10.109	98	445218	48.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.500%
62) 4-Bromofluorobenzene	12.407	95	108522	37.101	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.200%

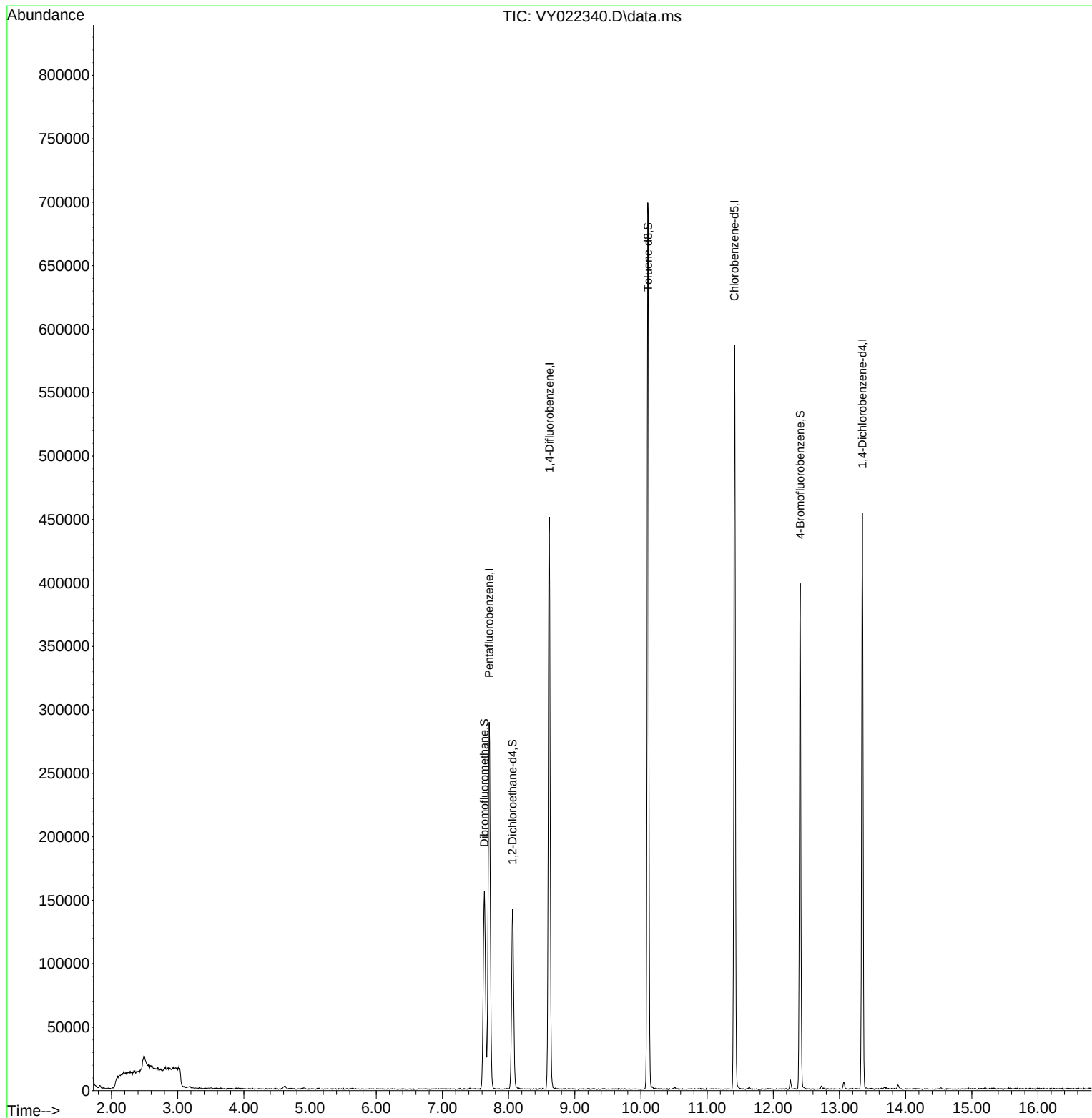
Target Compounds	Qvalue

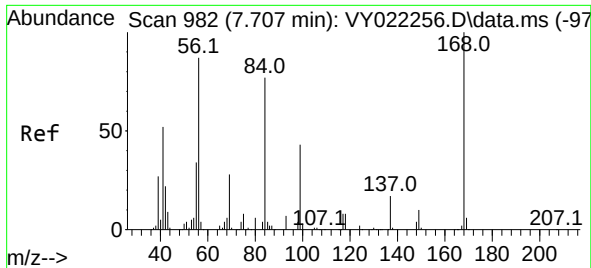
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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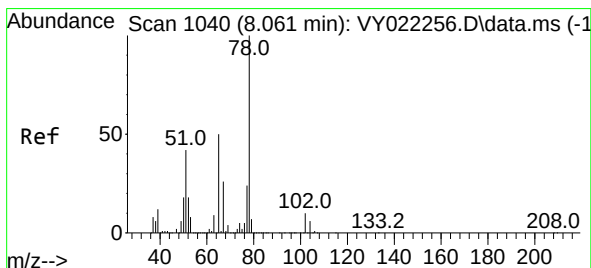
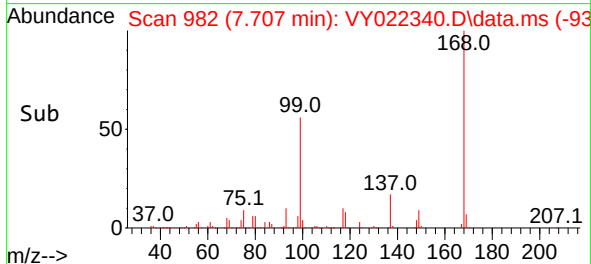
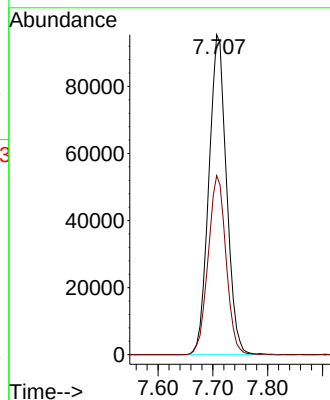
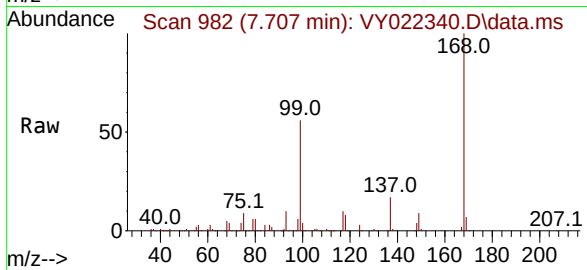




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022340.D
Acq: 20 May 2025 14:12

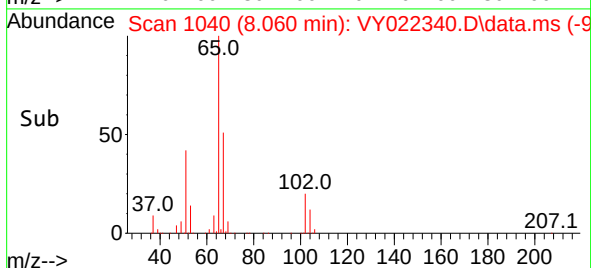
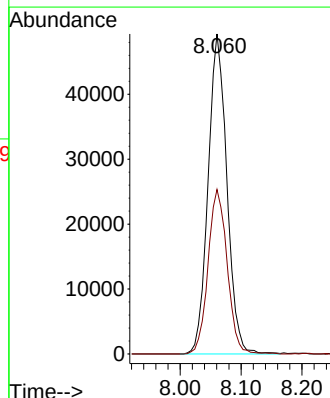
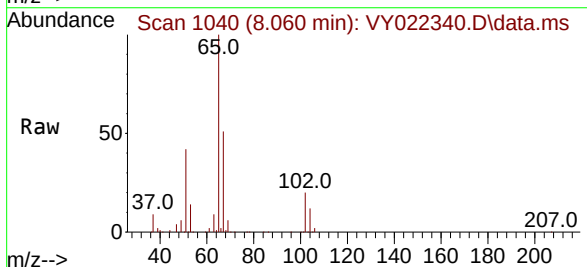
Instrument :
MSVOA_Y
ClientSampleId :
PL-HRH-VOC-01

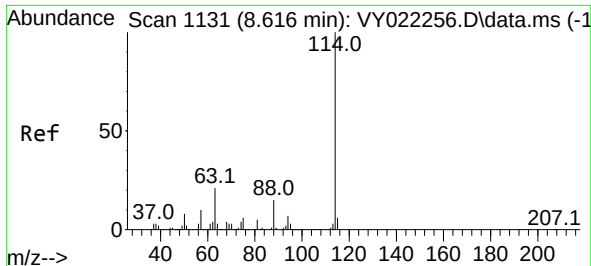
Tgt Ion:168 Resp: 212991
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.358 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022340.D
Acq: 20 May 2025 14:12

Tgt Ion: 65 Resp: 105583
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022340.D

Acq: 20 May 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

PL-HRH-VOC-01

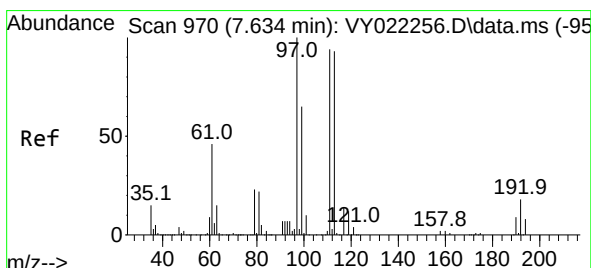
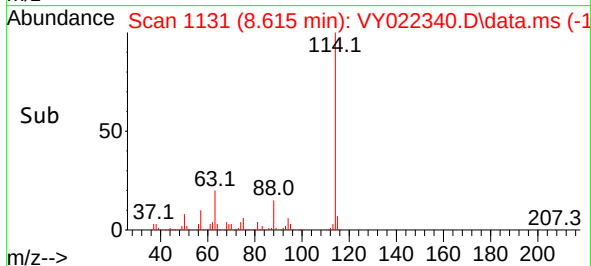
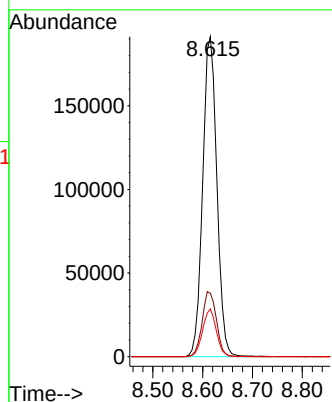
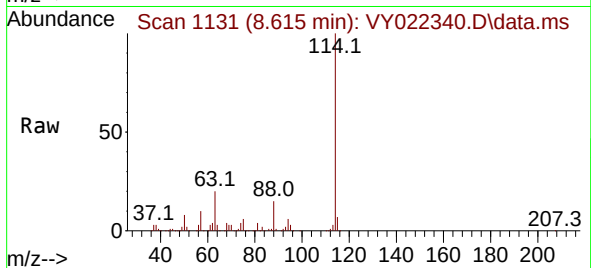
Tgt Ion:114 Resp: 377512

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.9 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.786 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022340.D

Acq: 20 May 2025 14:12

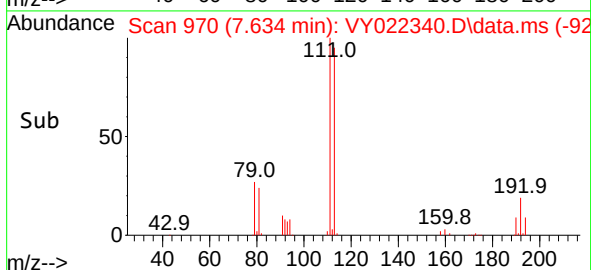
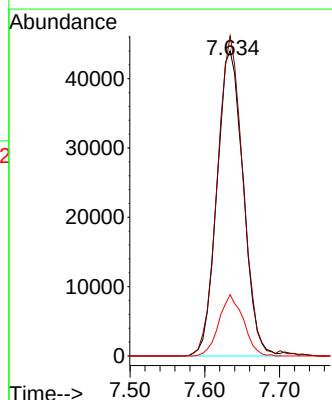
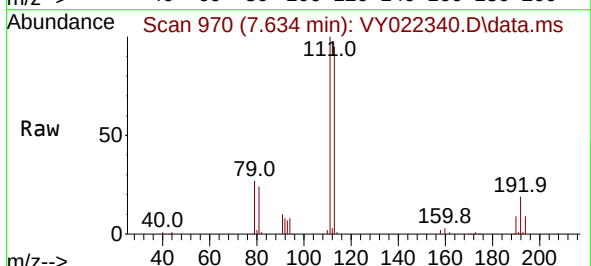
Tgt Ion:113 Resp: 107672

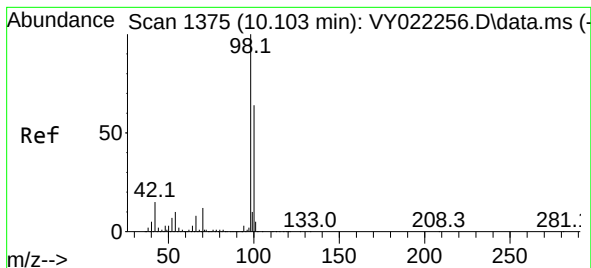
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 18.7 15.2 22.8

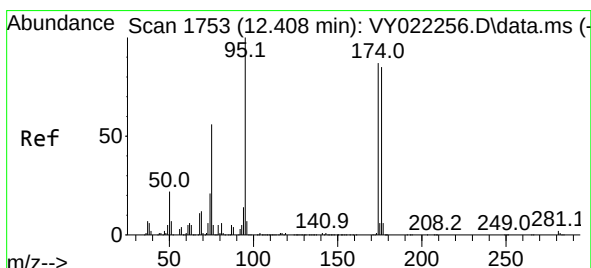
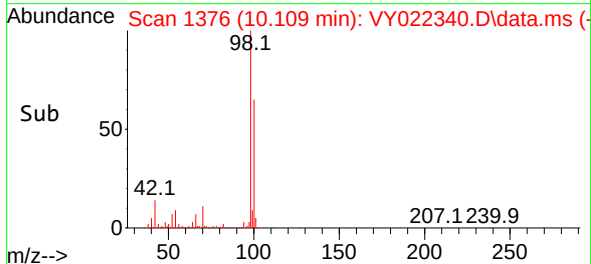
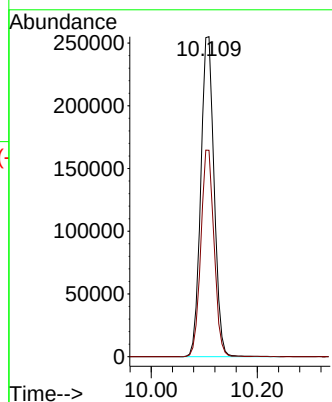
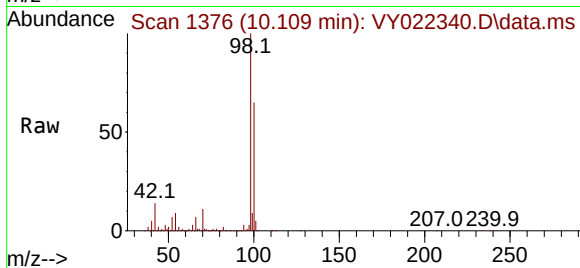




#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022340.D
Acq: 20 May 2025 14:12

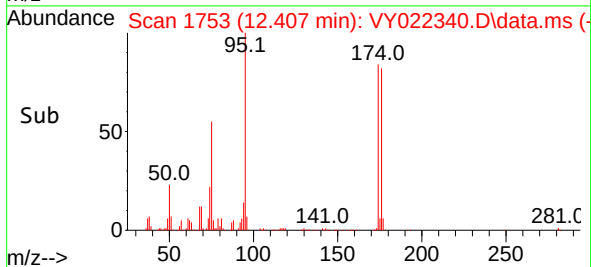
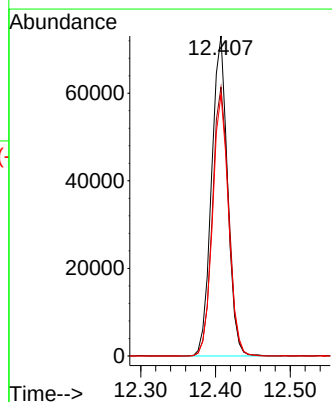
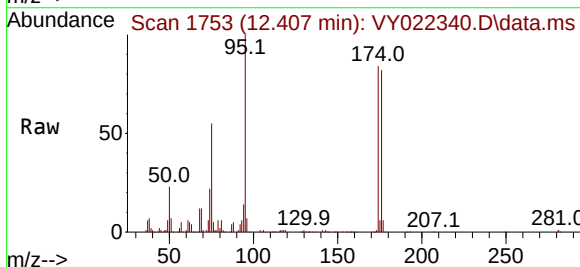
Instrument :
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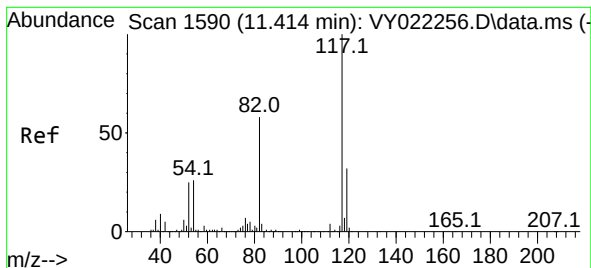
Tgt Ion: 98 Resp: 445218
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.101 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022340.D
Acq: 20 May 2025 14:12

Tgt Ion: 95 Resp: 108522
Ion Ratio Lower Upper
95 100
174 85.3 0.0 166.8
176 82.2 0.0 160.8

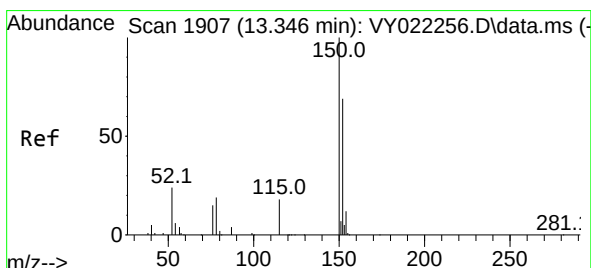
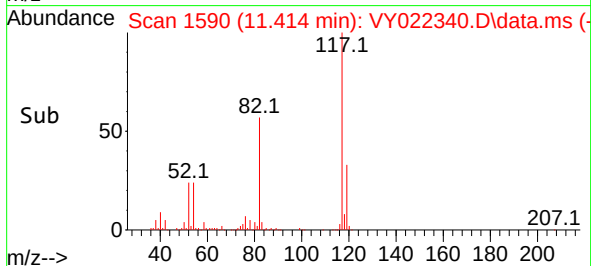
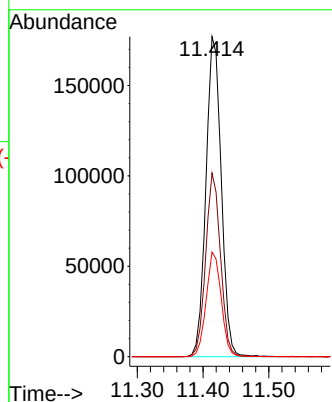
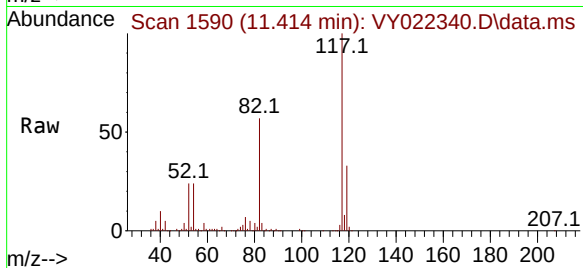




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022340.D
Acq: 20 May 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
PL-HRH-VOC-01

Tgt Ion:117 Resp: 286890
Ion Ratio Lower Upper
117 100
82 57.3 46.6 70.0
119 32.7 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: VY022340.D
Acq: 20 May 2025 14:12

Tgt Ion:152 Resp: 103428
Ion Ratio Lower Upper
152 100
115 56.6 29.4 88.2
150 156.3 0.0 353.8

