

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022104.D
 Acq On : 01 May 2025 13:51
 Operator : SY/MD
 Sample : Q1922-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-2-VOC

Quant Time: May 02 01:30:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	305268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	575312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	506620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187651	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144665	51.305	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.620%
35) Dibromofluoromethane	7.634	113	191904	50.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.980%
50) Toluene-d8	10.109	98	692091	48.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.600%
62) 4-Bromofluorobenzene	12.408	95	184357	38.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.440%

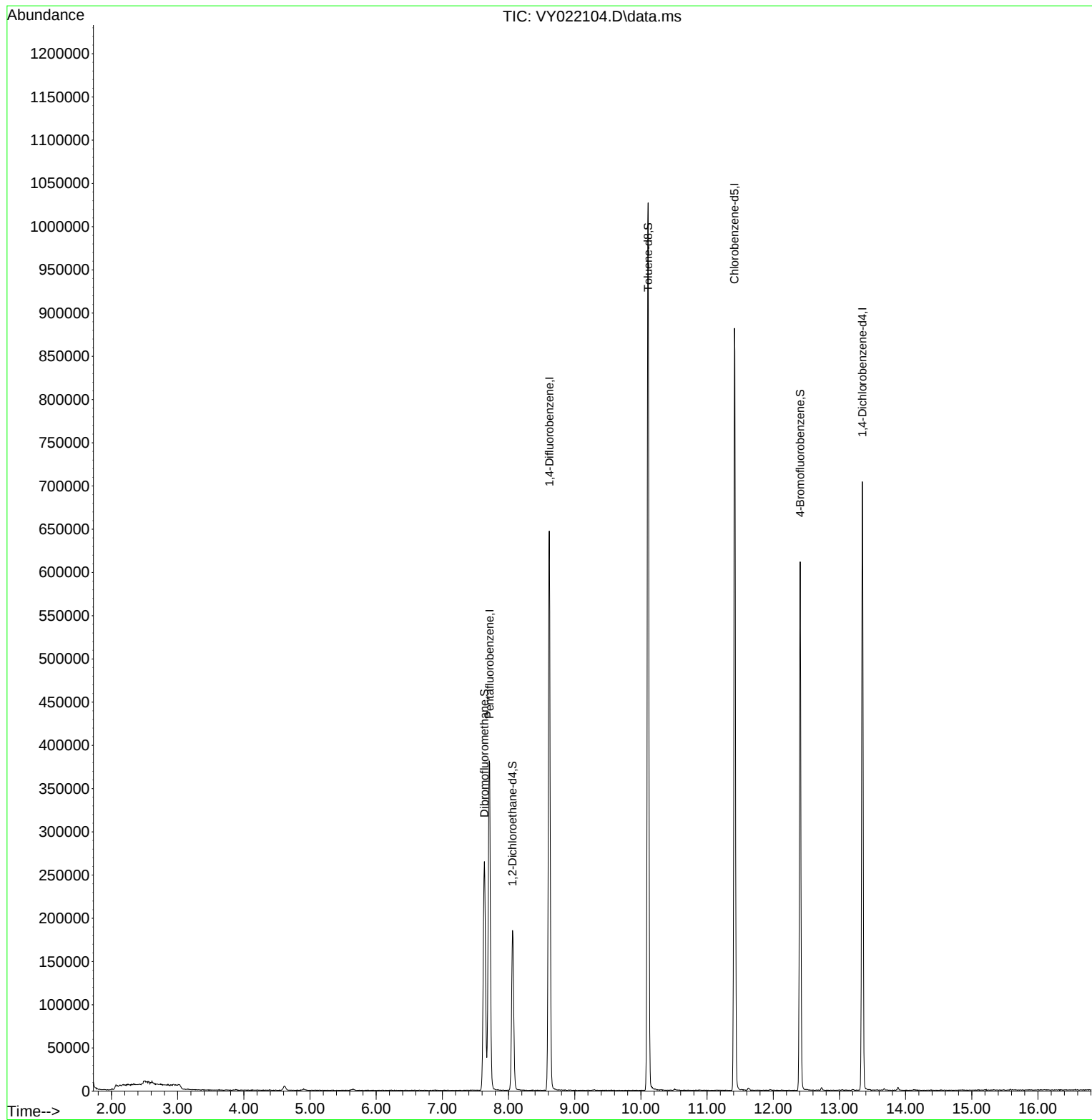
Target Compounds	Qvalue

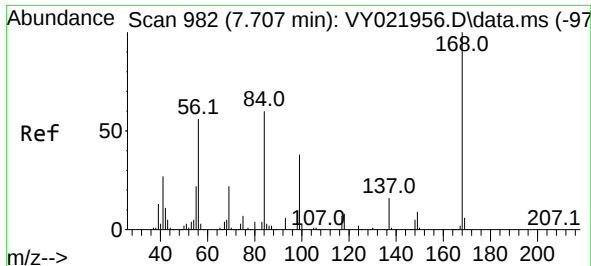
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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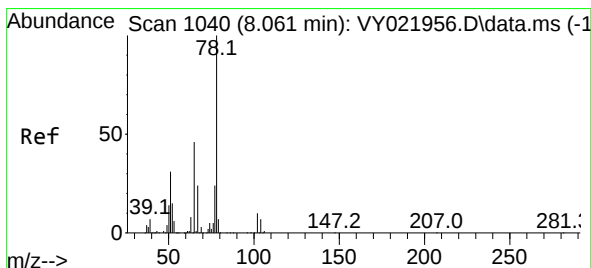
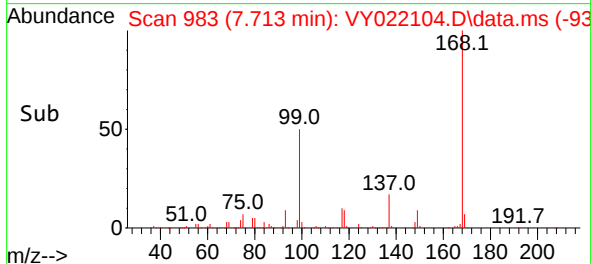
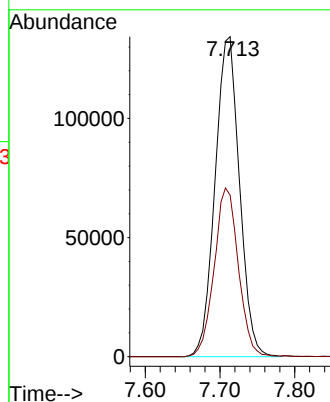
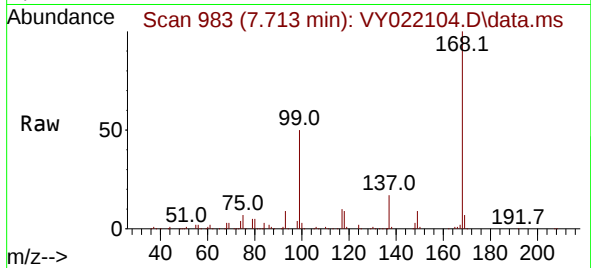




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

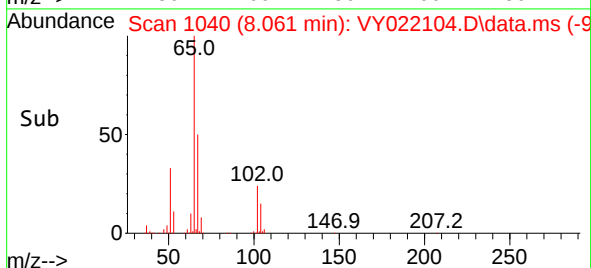
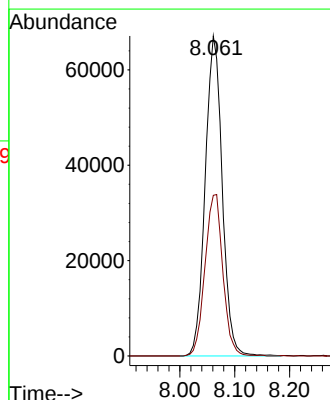
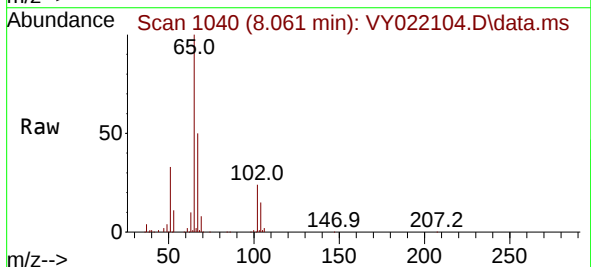
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-VOC

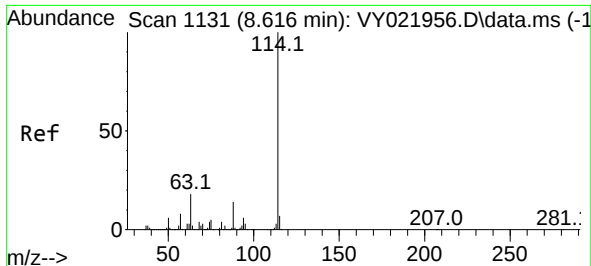
Tgt Ion:168 Resp: 305268
Ion Ratio Lower Upper
168 100
99 50.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 51.305 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion: 65 Resp: 144665
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

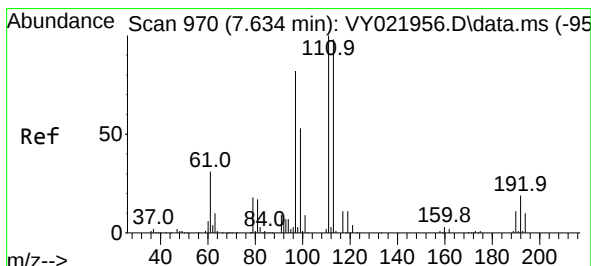
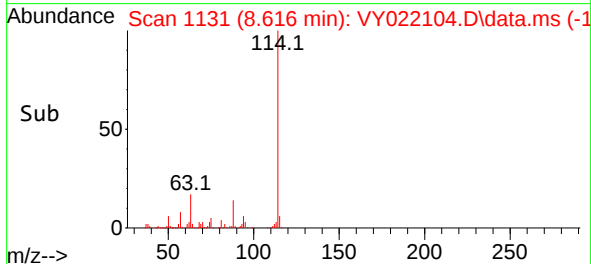
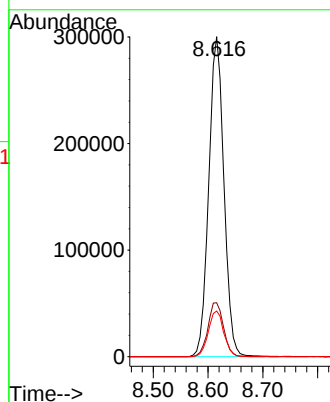
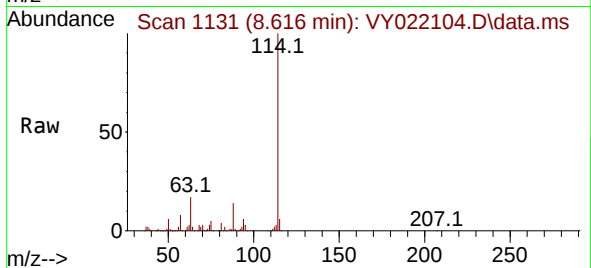




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

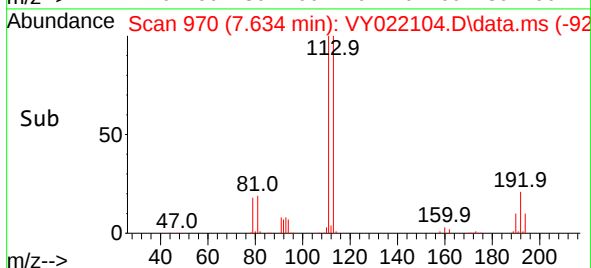
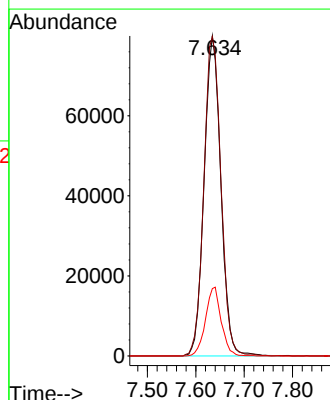
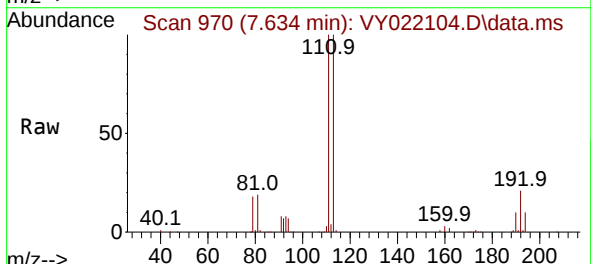
Instrument :
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ClientSampleId :
MH-2-VOC

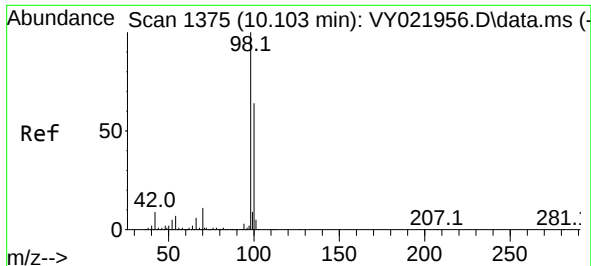
Tgt Ion:114 Resp: 575312
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.4
88 14.2 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.490 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion:113 Resp: 191904
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 20.2 15.6 23.4

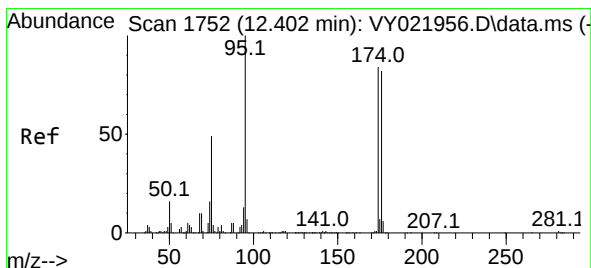
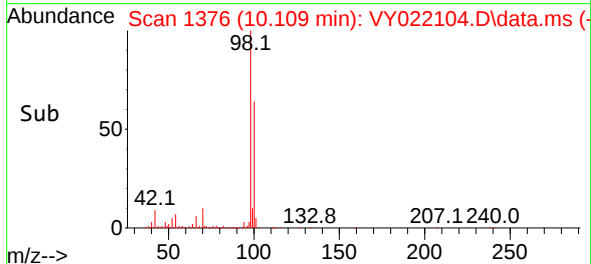
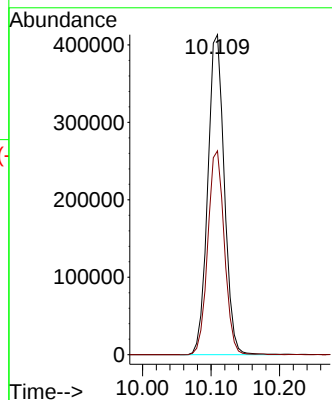
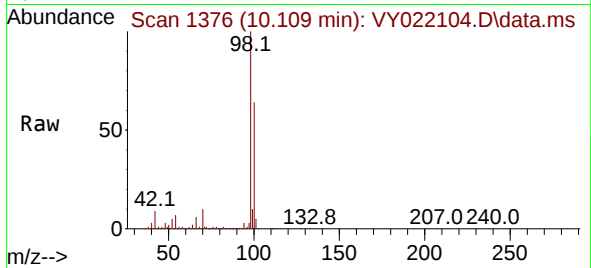




#50
Toluene-d8
Concen: 48.300 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

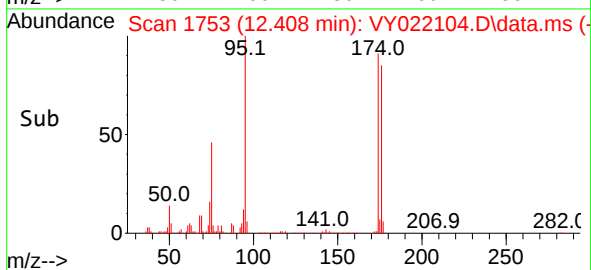
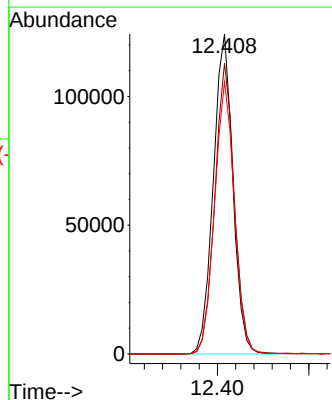
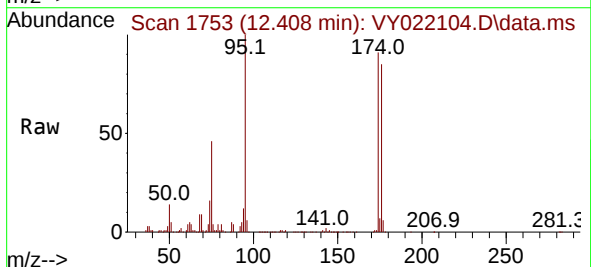
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-VOC

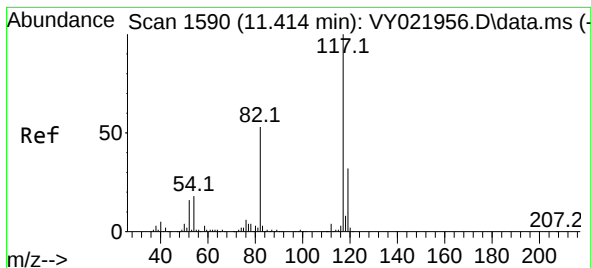
Tgt Ion: 98 Resp: 692091
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 38.219 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion: 95 Resp: 184357
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.0
176 86.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022104.D

Acq: 01 May 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MH-2-VOC

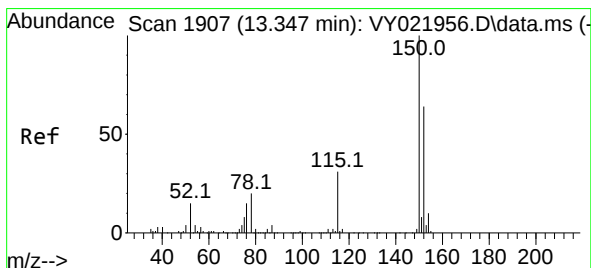
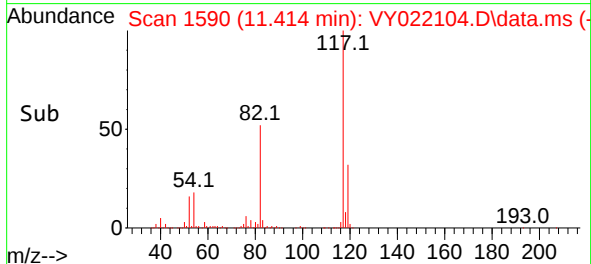
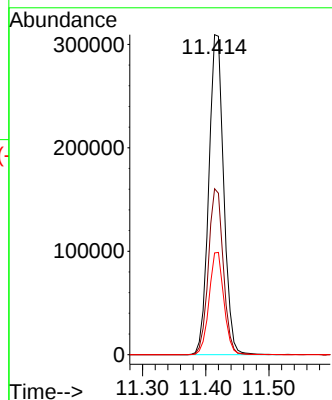
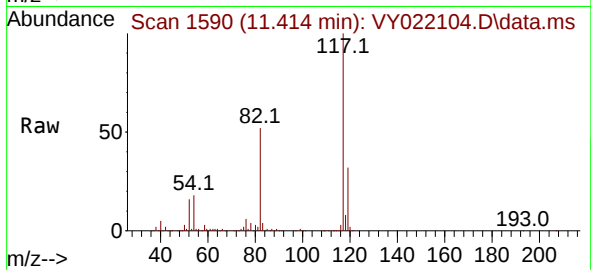
Tgt Ion:117 Resp: 506620

Ion Ratio Lower Upper

117 100

82 51.8 42.1 63.1

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022104.D

Acq: 01 May 2025 13:51

Tgt Ion:152 Resp: 187651

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 156.6 0.0 345.6

