

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022234.D
 Acq On : 13 May 2025 11:10
 Operator : SY/MD
 Sample : VY0513SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBL01

Quant Time: May 14 04:33:19 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	7.707	168	184225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125781	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109966	64.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.240%
35) Dibromofluoromethane	7.634	113	118688	56.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.980%
50) Toluene-d8	10.103	98	391463	49.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.408	95	117661	44.122	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.240%

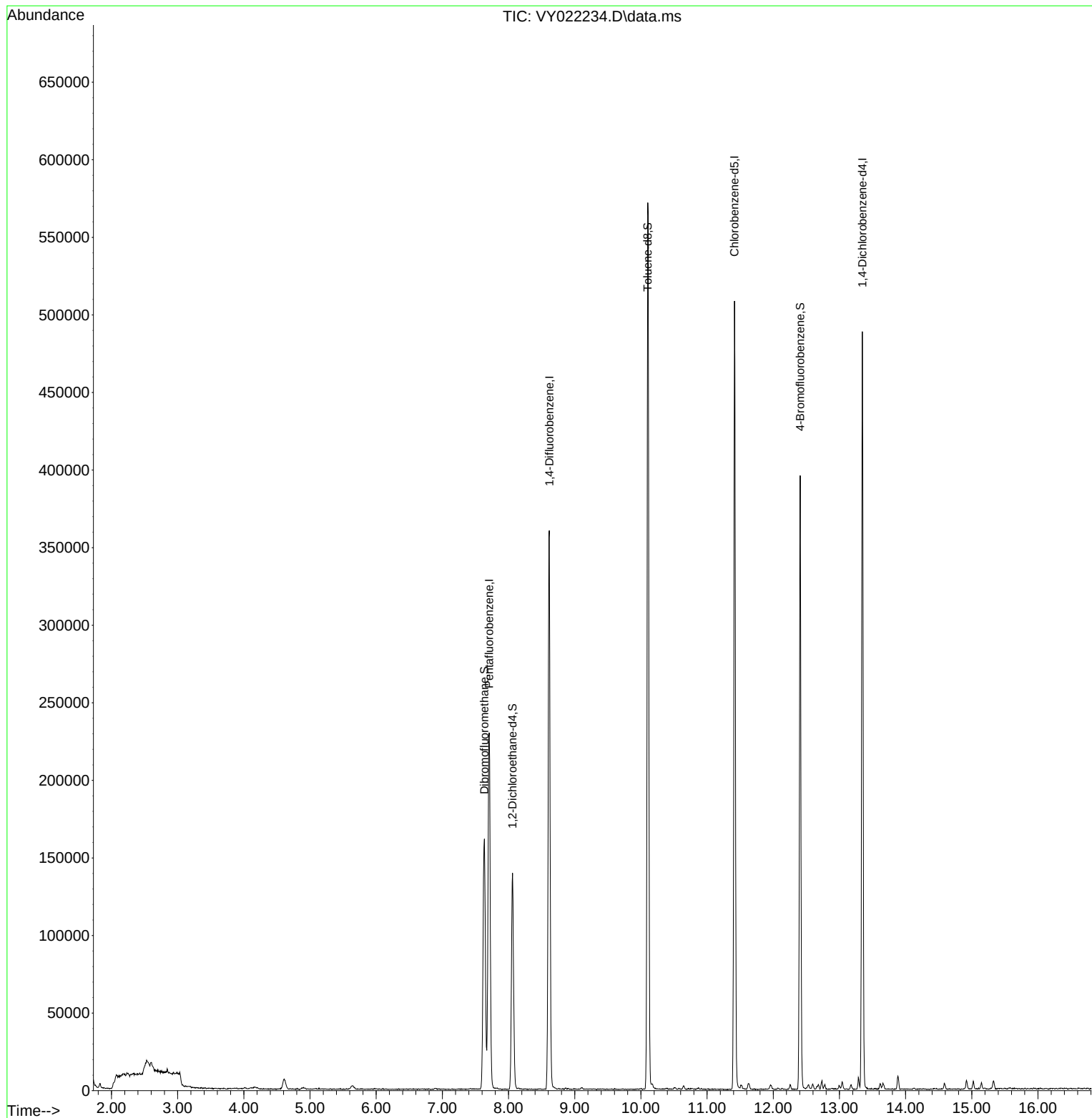
Target Compounds	Qvalue

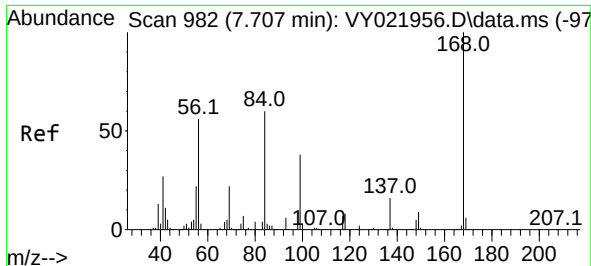
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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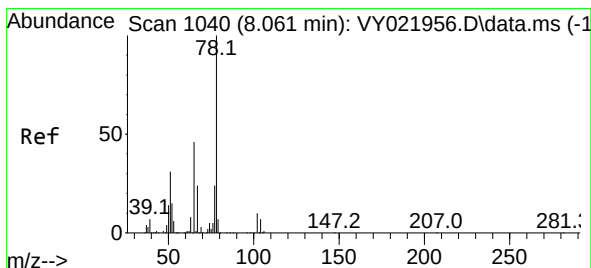
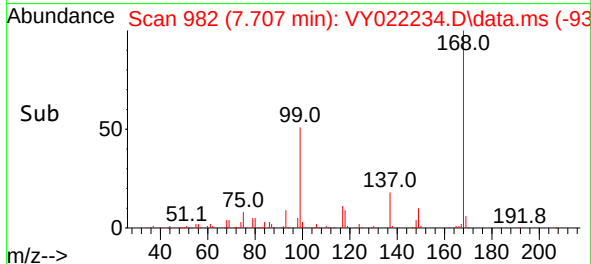
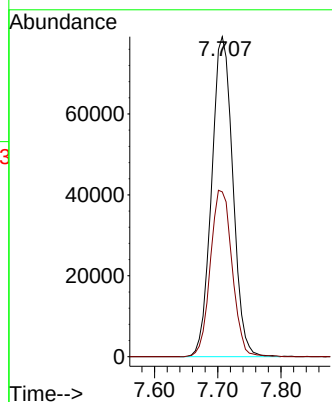
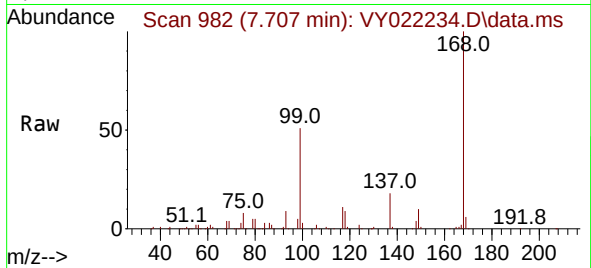




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022234.D
Acq: 13 May 2025 11:10

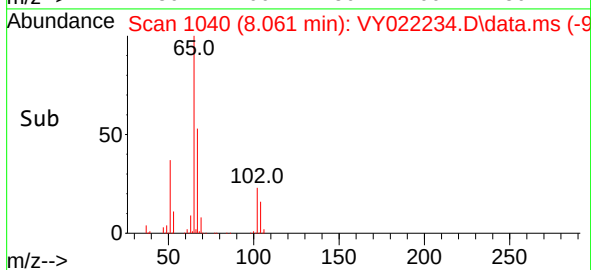
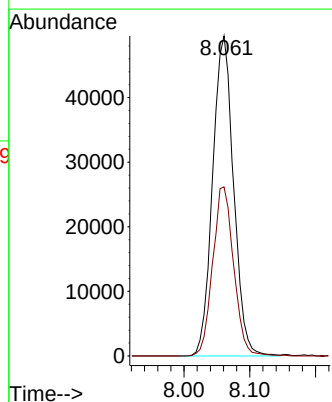
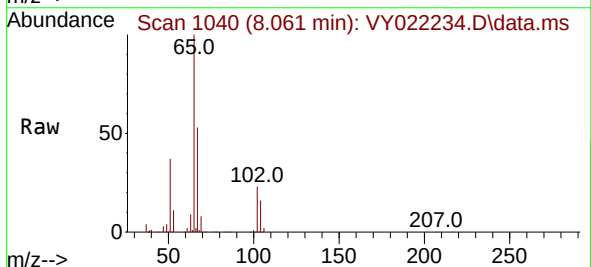
Instrument :
MSVOA_Y
ClientSampleId :
VY0513SBL01

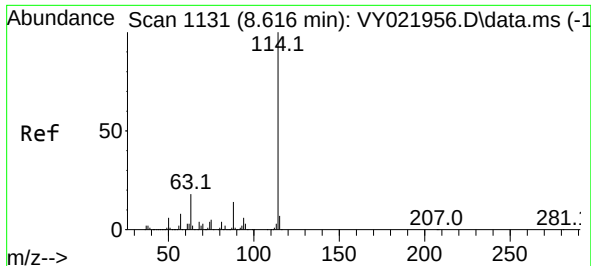
Tgt Ion:168 Resp: 184225
Ion Ratio Lower Upper
168 100
99 51.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 64.623 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022234.D
Acq: 13 May 2025 11:10

Tgt Ion: 65 Resp: 109966
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: VY022234.D

Acq: 13 May 2025 11:10

Instrument :

MSVOA_Y

ClientSampleId :

VY0513SBL01

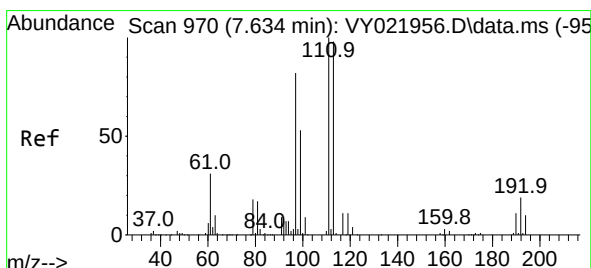
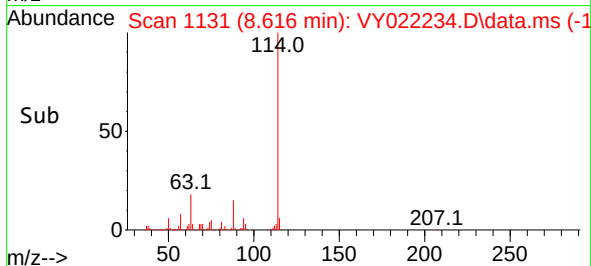
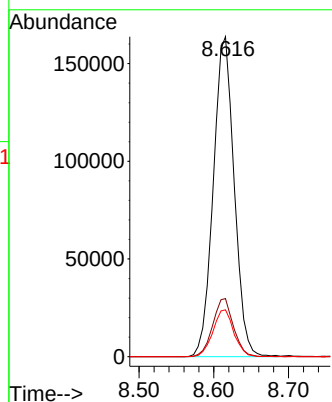
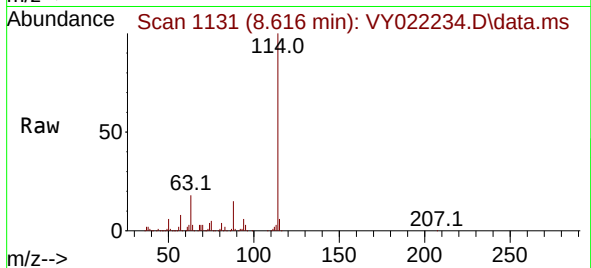
Tgt Ion:114 Resp: 318053

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 56.485 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022234.D

Acq: 13 May 2025 11:10

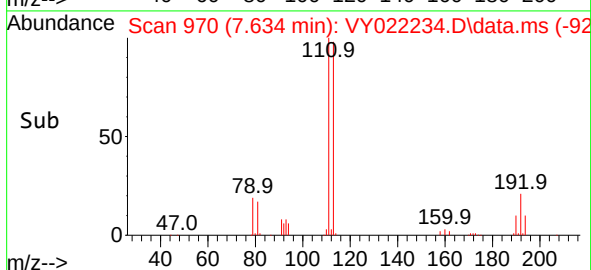
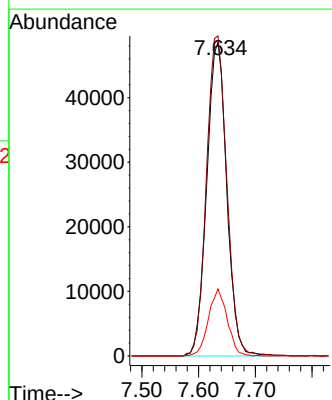
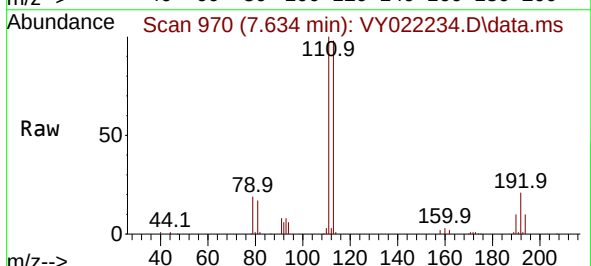
Tgt Ion:113 Resp: 118688

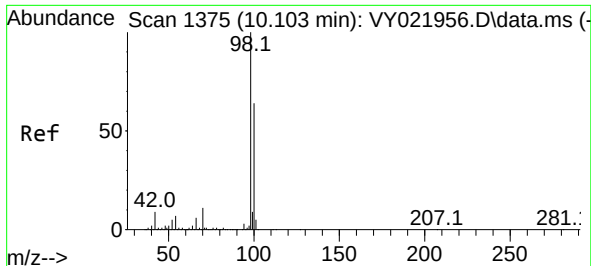
Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

192 20.2 15.6 23.4

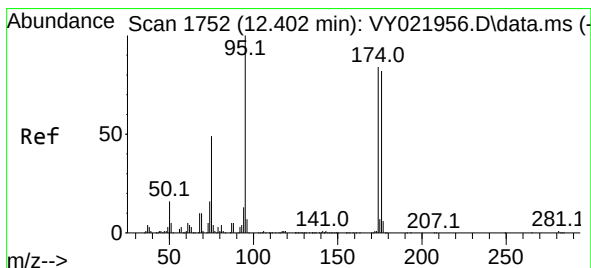
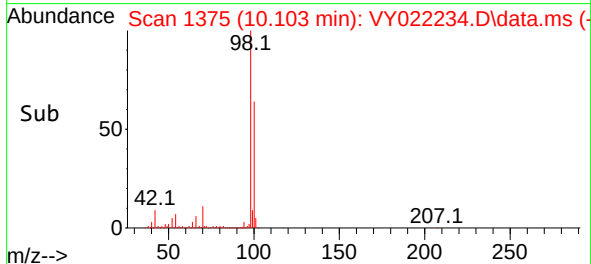
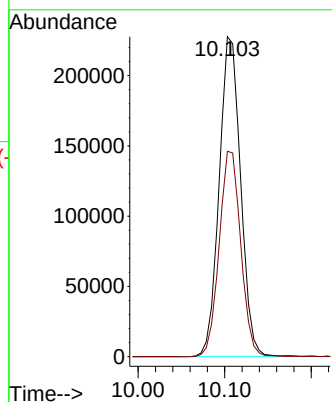
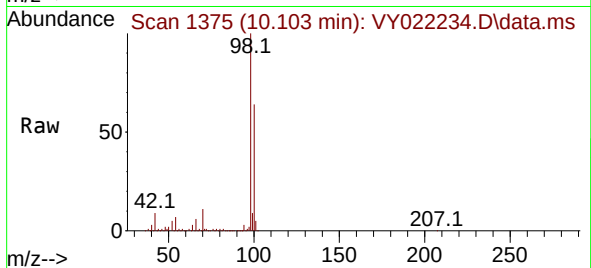




#50
Toluene-d8
Concen: 49.417 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022234.D
Acq: 13 May 2025 11:10

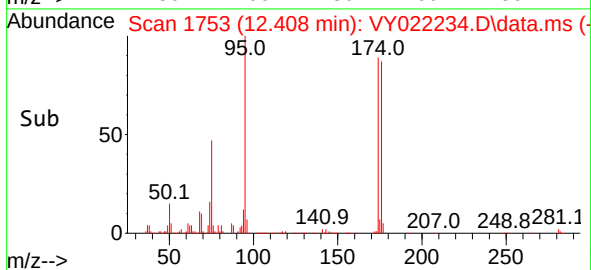
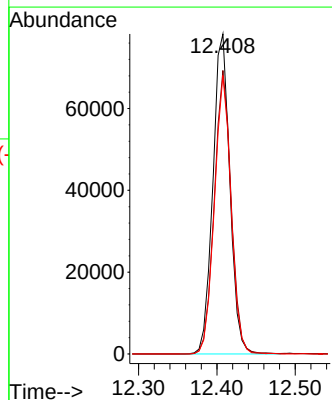
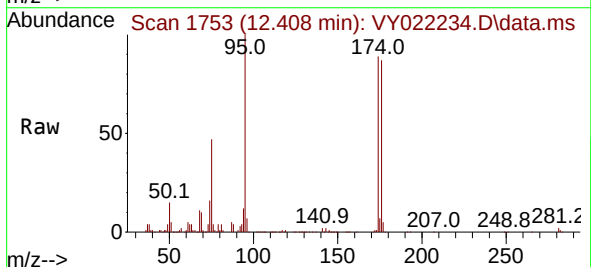
Instrument :
MSVOA_Y
ClientSampleId :
VY0513SBL01

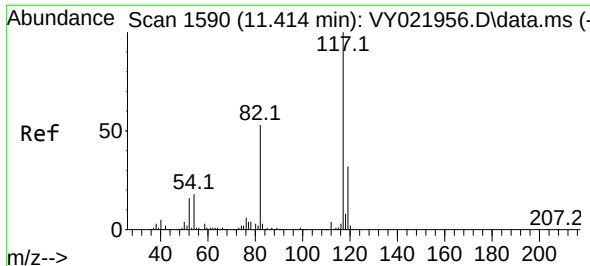
Tgt Ion: 98 Resp: 391463
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.122 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022234.D
Acq: 13 May 2025 11:10

Tgt Ion: 95 Resp: 117661
Ion Ratio Lower Upper
95 100
174 88.5 0.0 179.0
176 85.3 0.0 171.8

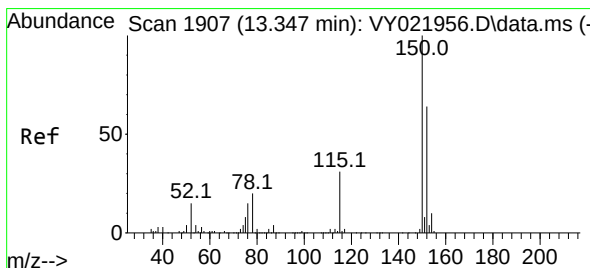
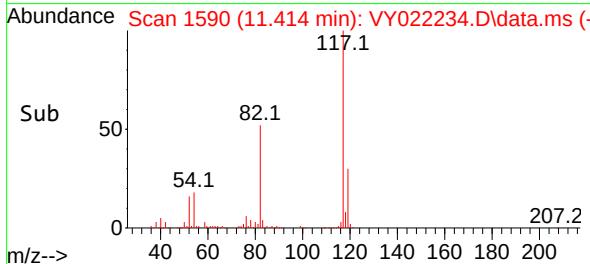
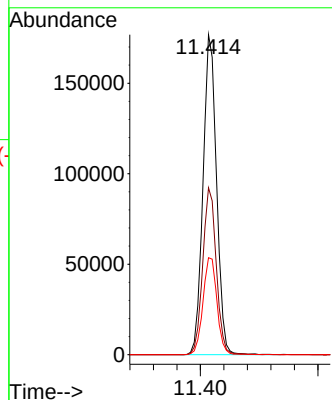
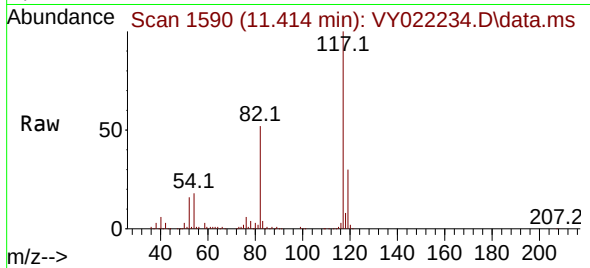




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022234.D
Acq: 13 May 2025 11:10

Instrument :
MSVOA_Y
ClientSampleId :
VY0513SBL01

Tgt Ion:117 Resp: 281982
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 30.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022234.D
Acq: 13 May 2025 11:10

Tgt Ion:152 Resp: 125781
Ion Ratio Lower Upper
152 100
115 57.9 28.0 84.0
150 157.9 0.0 345.6

