

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021202.D
 Acq On : 14 Feb 2025 11:29
 Operator : SY/MD
 Sample : Q1365-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 366

Quant Time: Feb 14 22:17:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	13215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	18375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	11850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	1766	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	5128	37.873	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.740%
35) Dibromofluoromethane	7.646	113	5672	48.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.340%
50) Toluene-d8	10.115	98	20737	46.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.520%
62) 4-Bromofluorobenzene	12.420	95	3259	22.251	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.500%

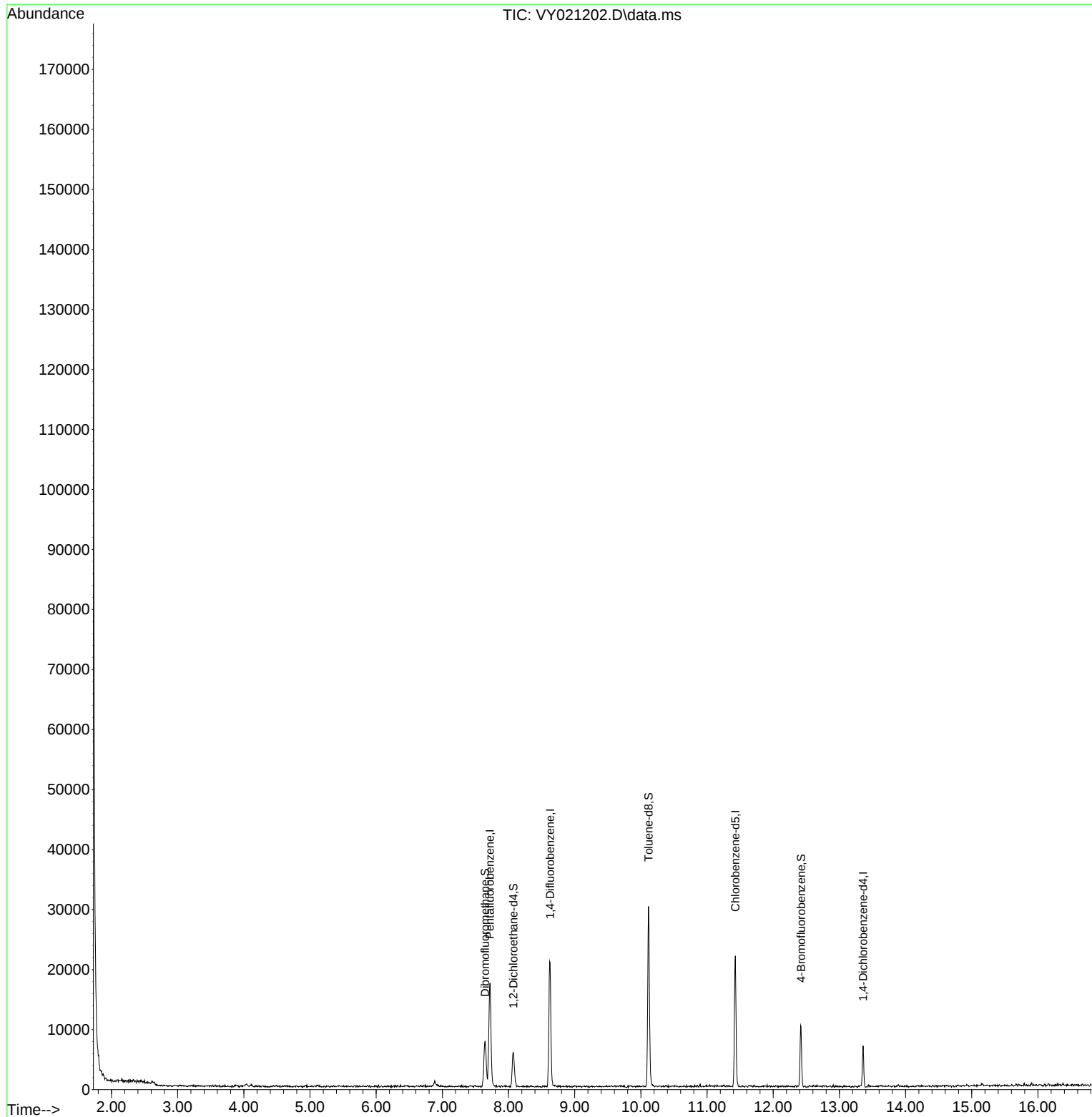
Target Compounds	Qvalue

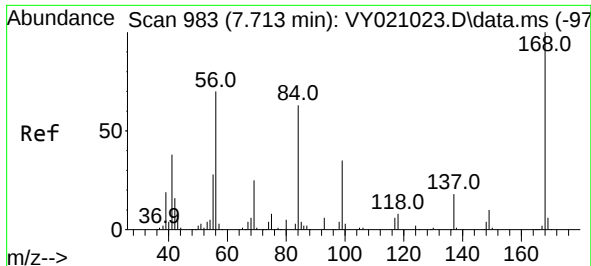
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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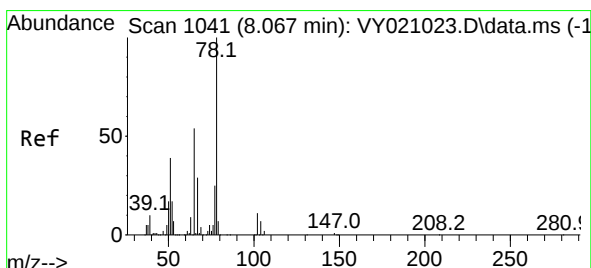
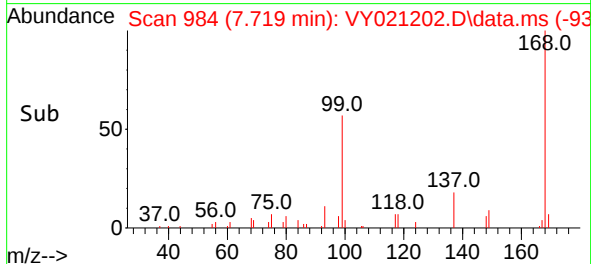
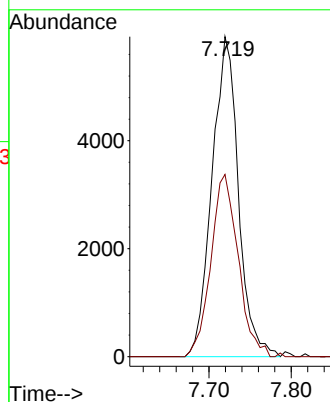
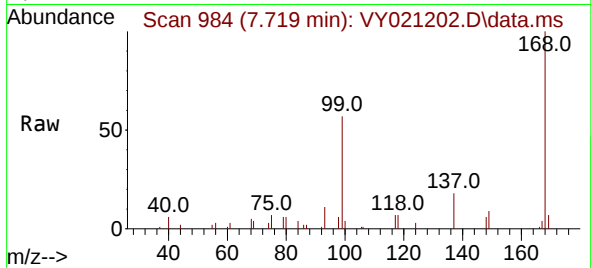




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

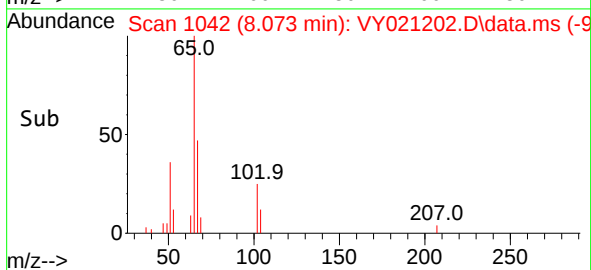
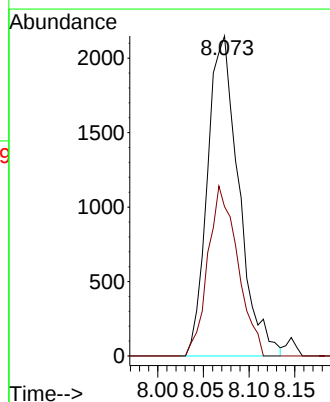
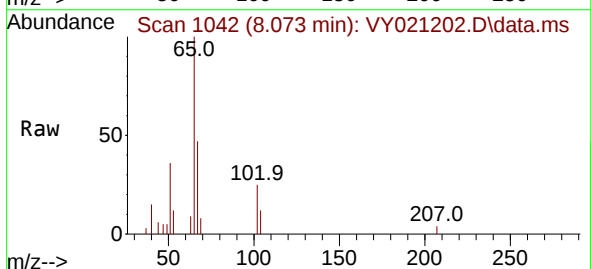
Instrument :
MSVOA_Y
ClientSampleId :
366

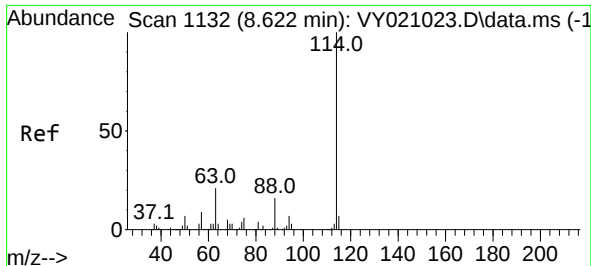
Tgt Ion:168 Resp: 13215
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 37.873 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion: 65 Resp: 5128
Ion Ratio Lower Upper
65 100
67 50.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

366

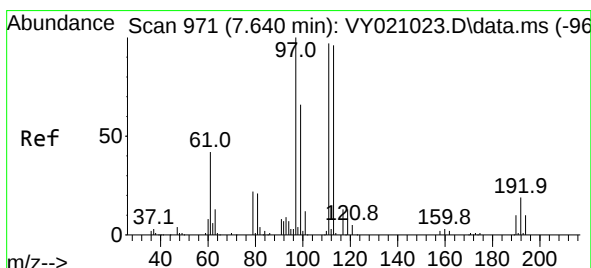
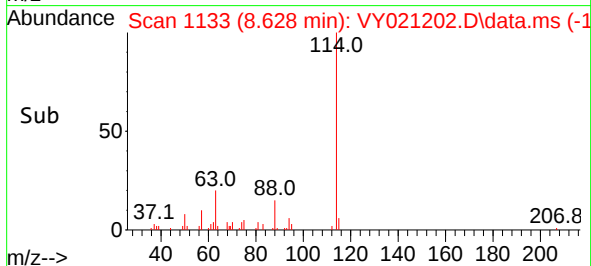
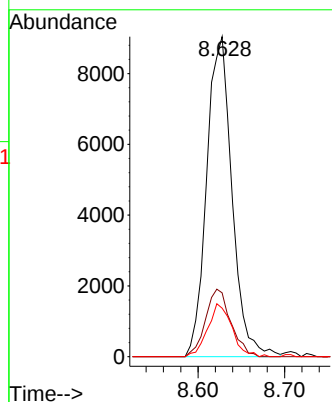
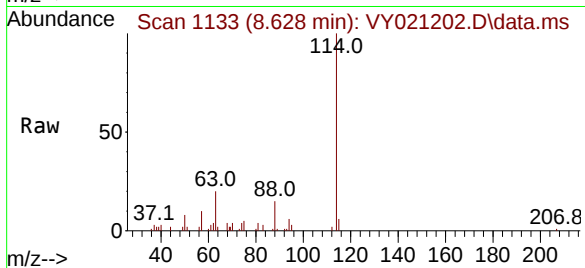
Tgt Ion:114 Resp: 18375

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 48.166 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

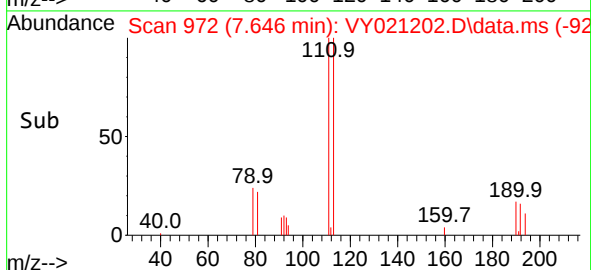
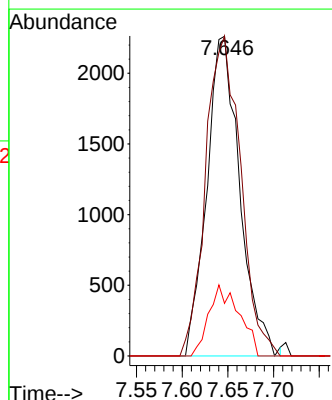
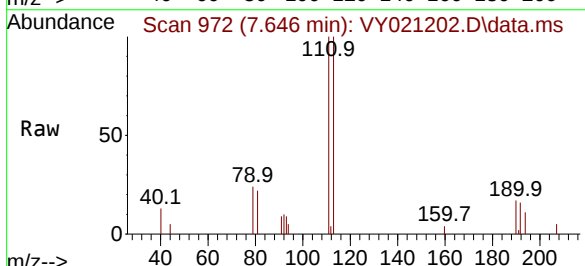
Tgt Ion:113 Resp: 5672

Ion Ratio Lower Upper

113 100

111 105.9 83.8 125.6

192 20.3 14.5 21.7





#50

Toluene-d8

Concen: 46.255 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

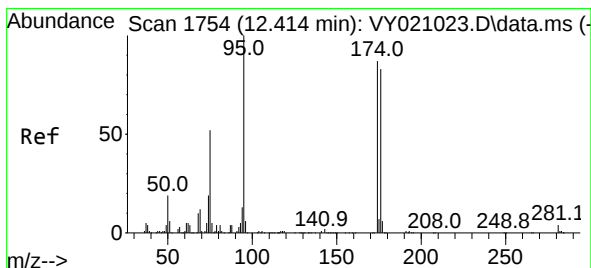
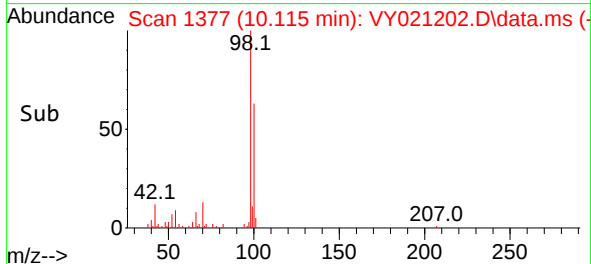
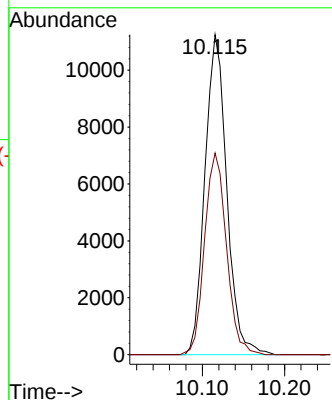
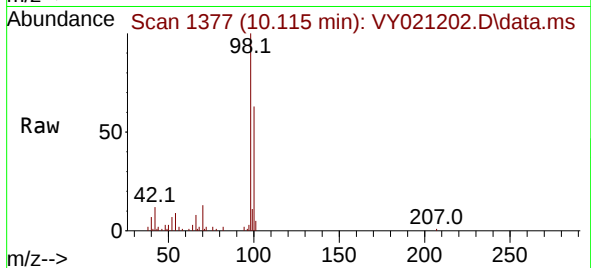
366

Tgt Ion: 98 Resp: 20737

Ion Ratio Lower Upper

98 100

100 63.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 22.251 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

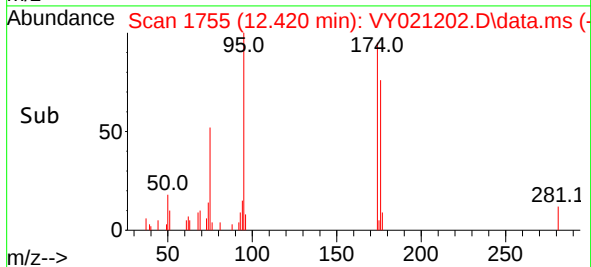
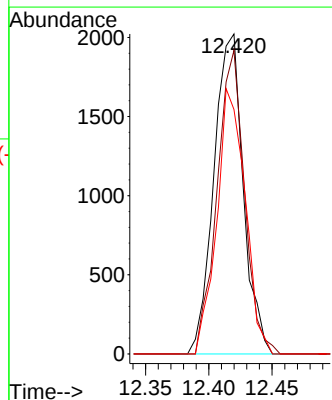
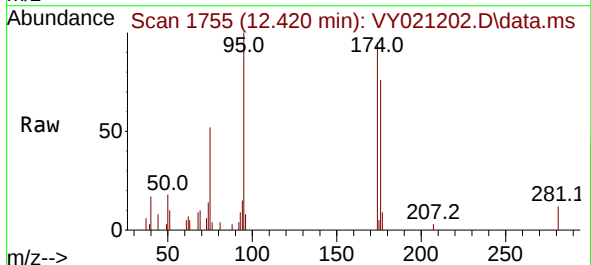
Tgt Ion: 95 Resp: 3259

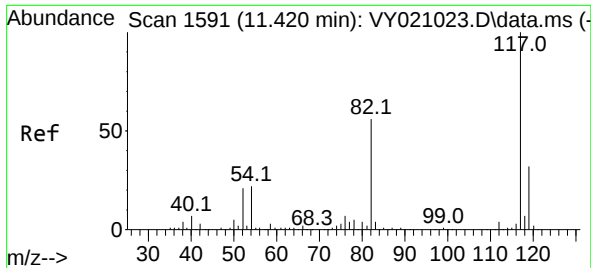
Ion Ratio Lower Upper

95 100

174 88.6 0.0 160.0

176 80.1 0.0 151.8

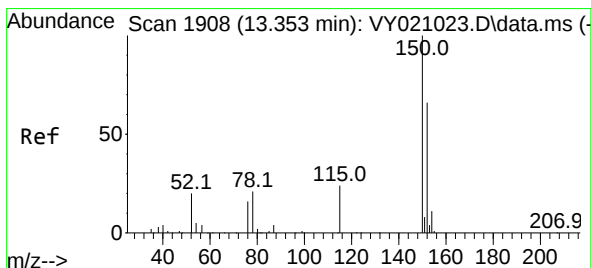
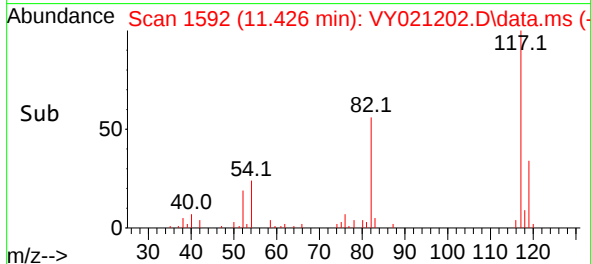
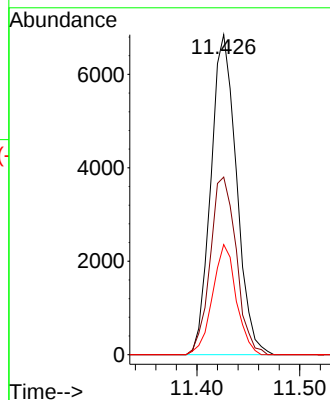
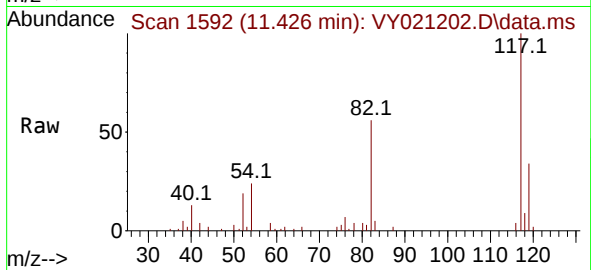




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Instrument :
MSVOA_Y
ClientSampleId :
366

Tgt Ion:117 Resp: 11850
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.8
119 34.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion:152 Resp: 1766
Ion Ratio Lower Upper
152 100
115 64.3 30.0 90.0
150 161.0 0.0 344.6

