

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021446.D
 Acq On : 06 Mar 2025 19:43
 Operator : SY/MD
 Sample : Q1463-08
 Misc : 6.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T8

Quant Time: Mar 07 00:42:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	214937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	365717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	278068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	93699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110772	48.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.520%
35) Dibromofluoromethane	7.634	113	116073	48.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.580%
50) Toluene-d8	10.109	98	385363	42.338	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.680%
62) 4-Bromofluorobenzene	12.407	95	107342	34.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.340%

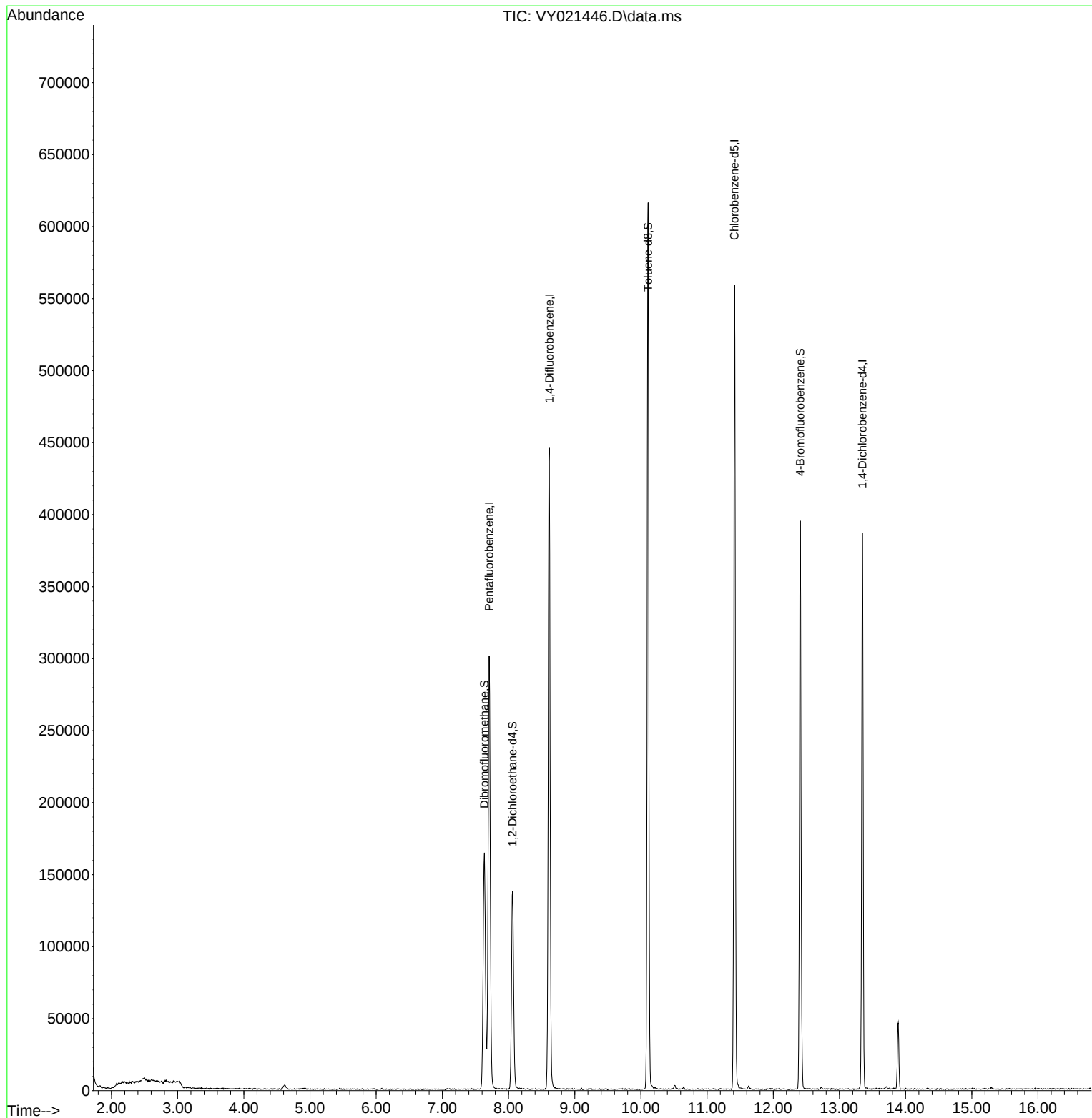
Target Compounds	Qvalue

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

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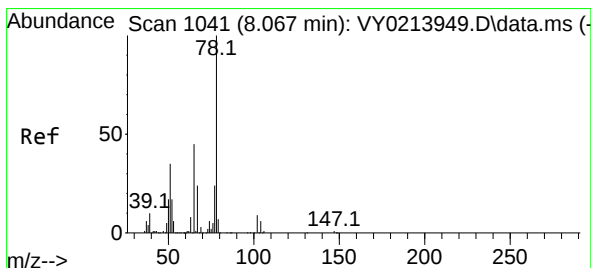
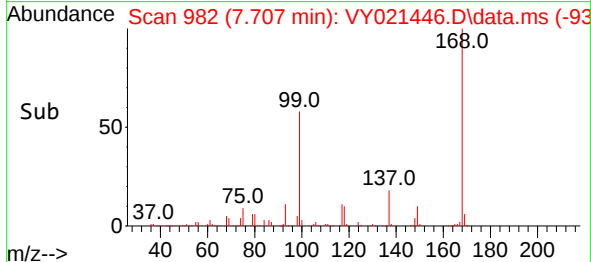
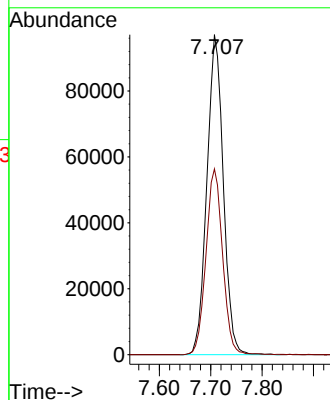
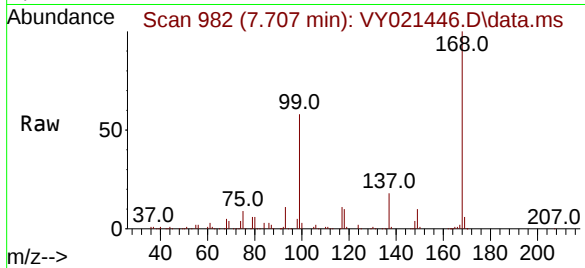




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

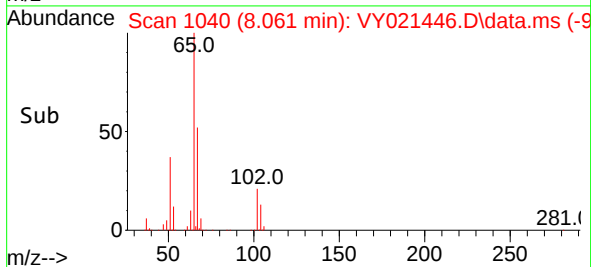
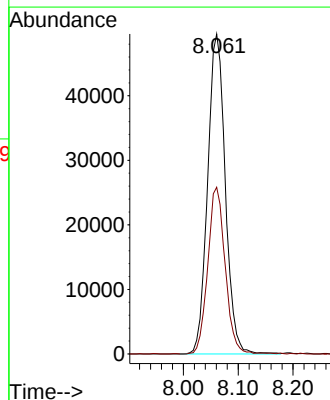
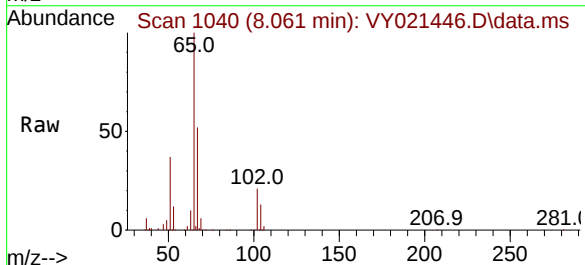
Instrument :
MSVOA_Y
ClientSampleId :
T8

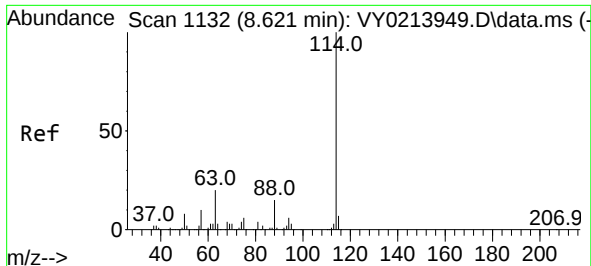
Tgt Ion:168 Resp: 214937
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 48.761 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Tgt Ion: 65 Resp: 110772
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

Instrument :

MSVOA_Y

ClientSampleId :

T8

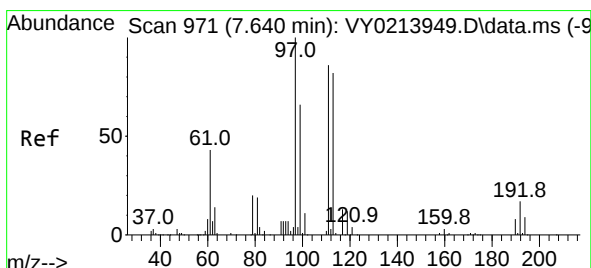
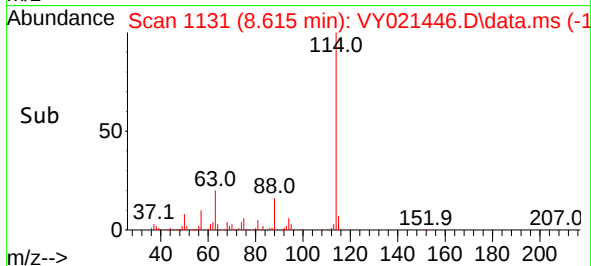
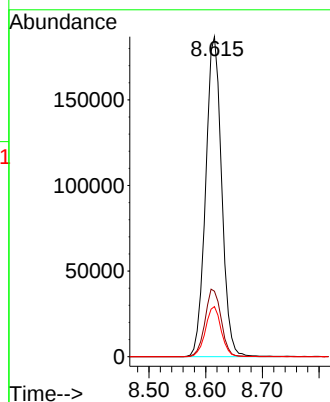
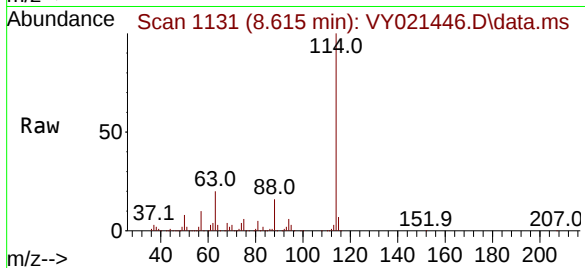
Tgt Ion:114 Resp: 365717

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.6 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.285 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021446.D

Acq: 06 Mar 2025 19:43

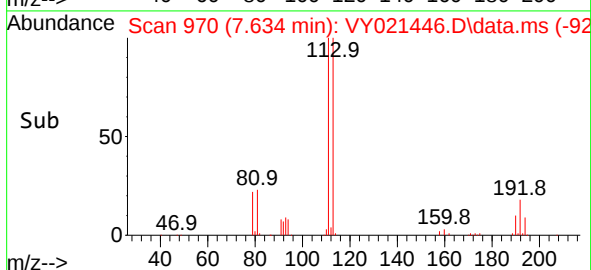
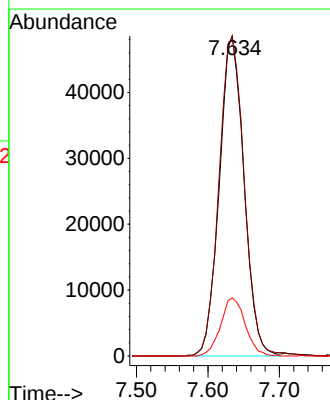
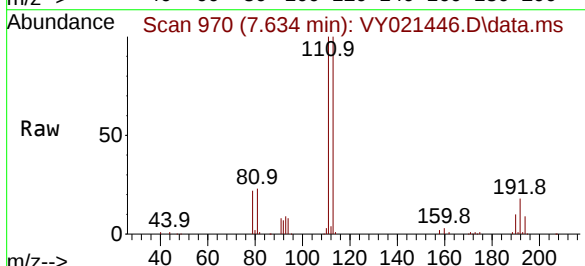
Tgt Ion:113 Resp: 116073

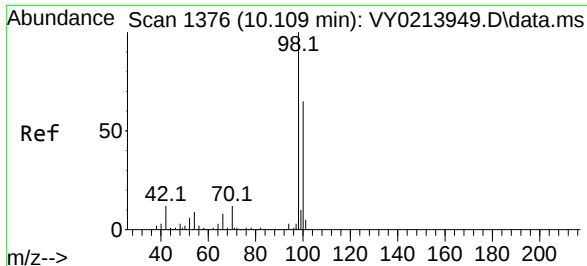
Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 18.2 15.9 23.9

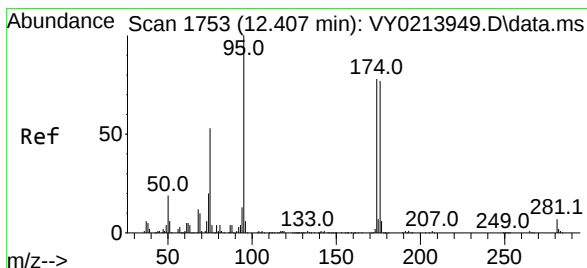
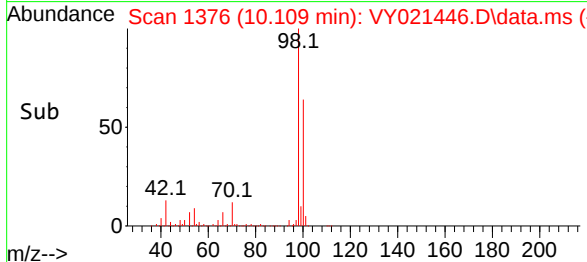
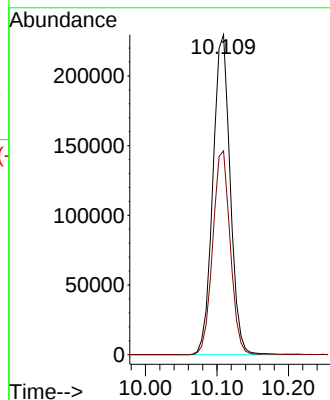
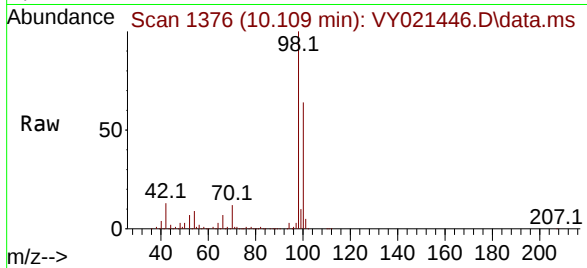




#50
Toluene-d8
Concen: 42.338 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

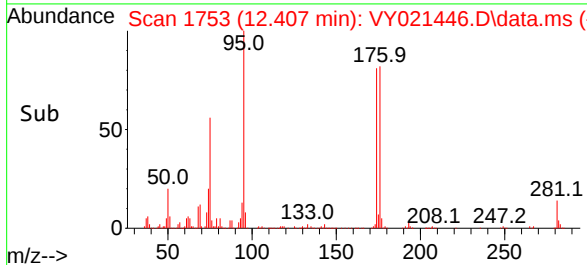
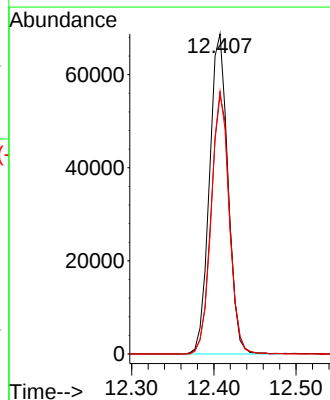
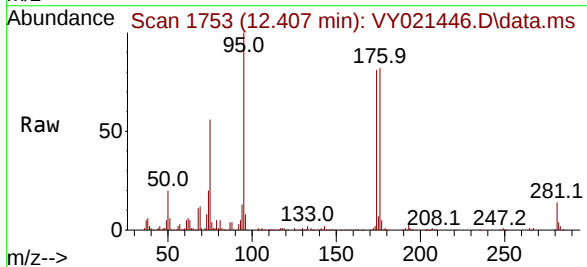
Instrument :
MSVOA_Y
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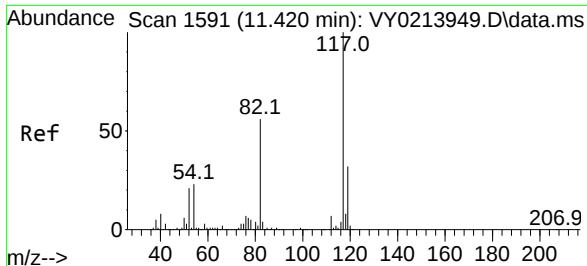
Tgt Ion: 98 Resp: 385363
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 34.670 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Tgt Ion: 95 Resp: 107342
Ion Ratio Lower Upper
95 100
174 80.9 0.0 165.0
176 79.5 0.0 160.0

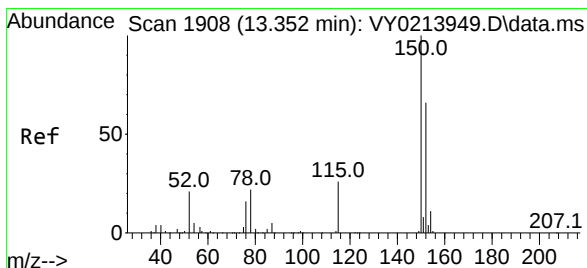
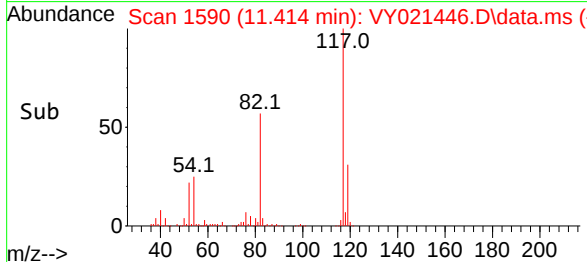
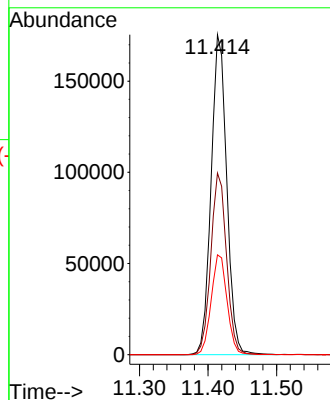
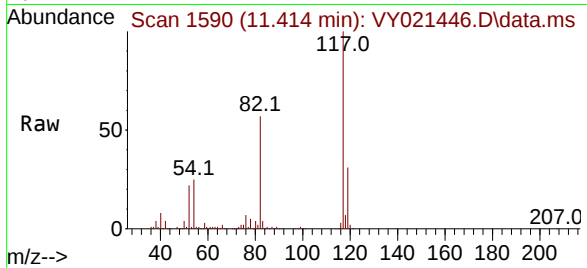




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Instrument :
MSVOA_Y
ClientSampleId :
T8

Tgt Ion:117 Resp: 278068
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021446.D
Acq: 06 Mar 2025 19:43

Tgt Ion:152 Resp: 93699
Ion Ratio Lower Upper
152 100
115 58.6 29.0 87.0
150 156.0 0.0 347.2

