

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022360.D
 Acq On : 21 May 2025 12:24
 Operator : SY/MD
 Sample : Q2097-01
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-357

Quant Time: May 22 00:08:20 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	7.719	168	245712	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	442388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	125264	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	130097	48.446	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.640	113	129265	48.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.115	98	526807	48.715	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.408	95	133728	39.014	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.020%

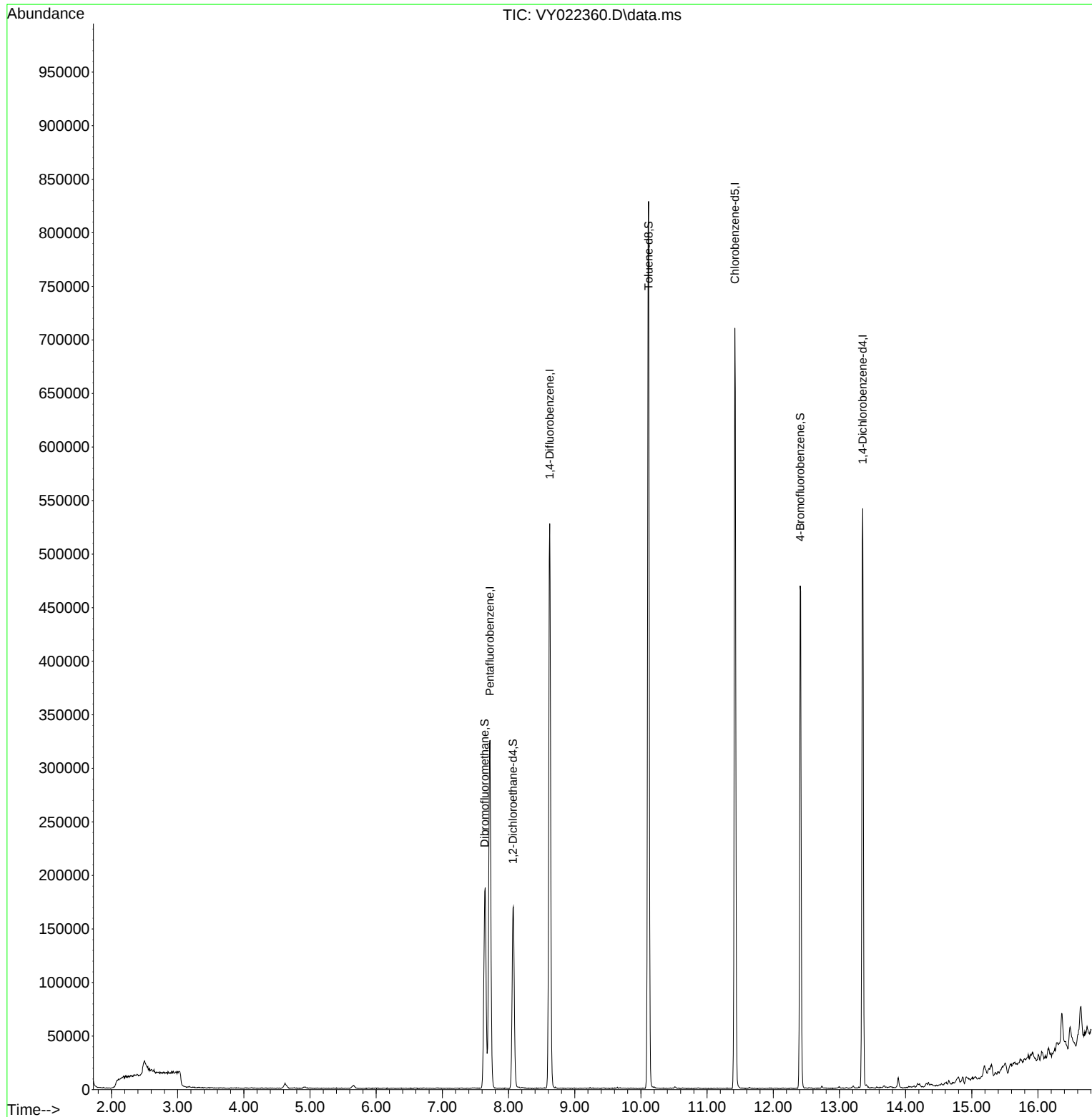
Target Compounds	Qvalue

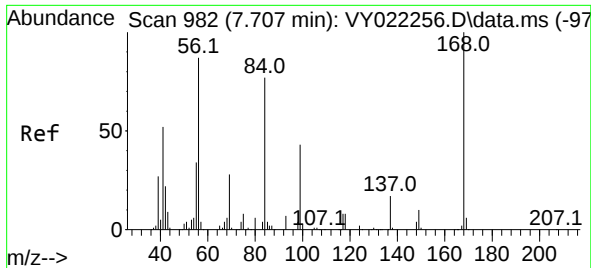
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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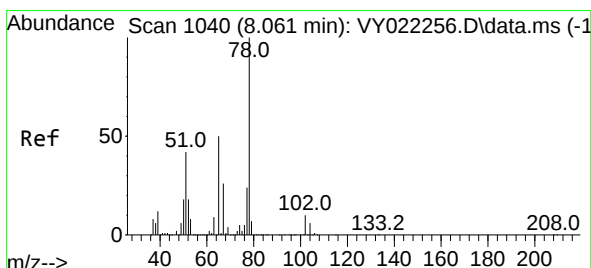
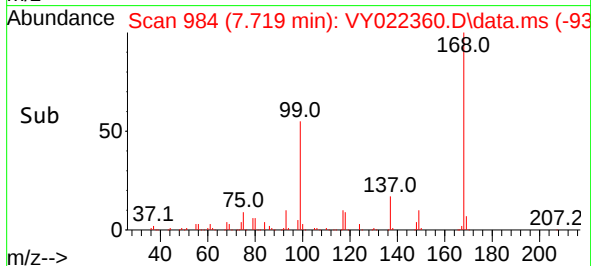
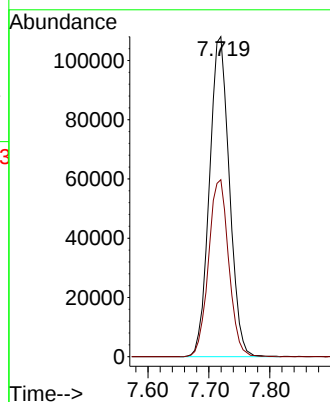
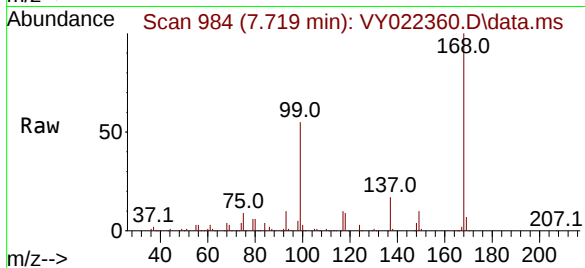




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

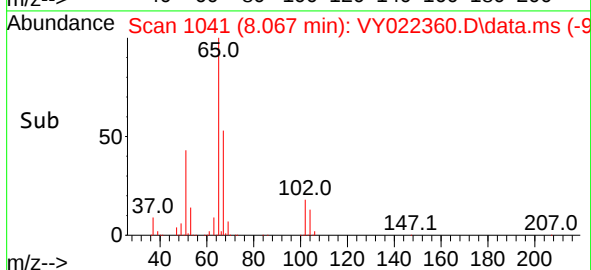
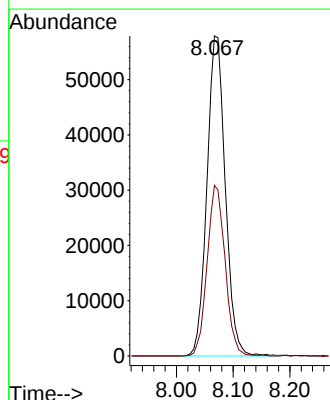
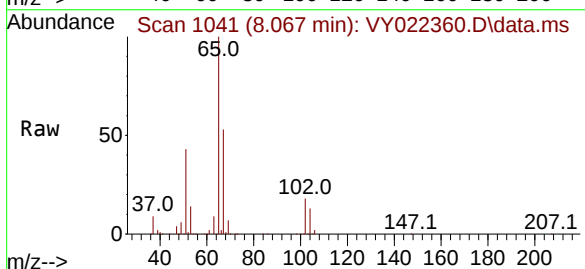
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357

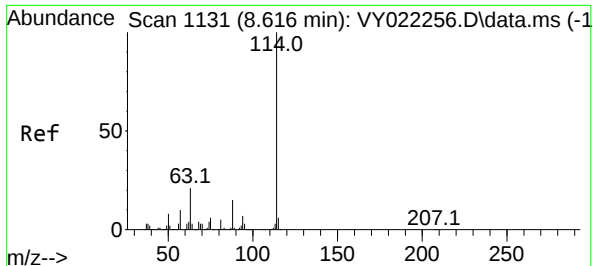
Tgt Ion:168 Resp: 245712
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.446 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion: 65 Resp: 130097
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

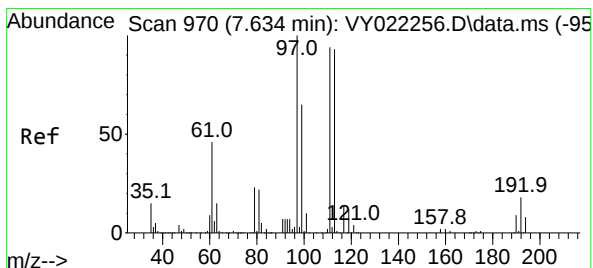
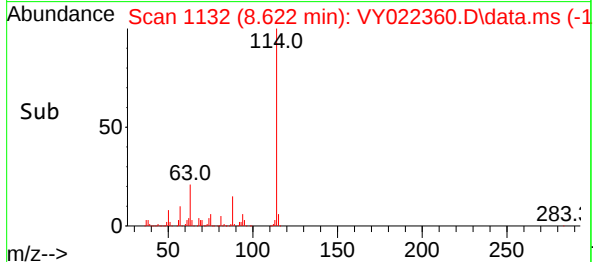
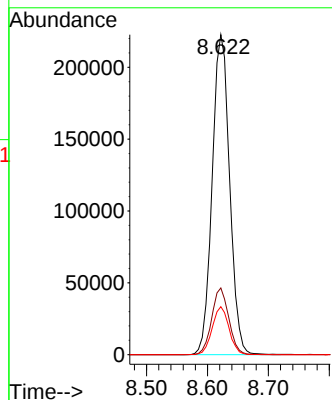
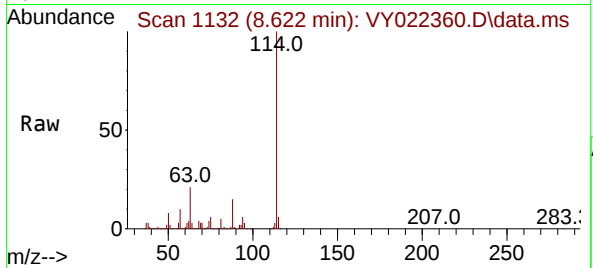




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

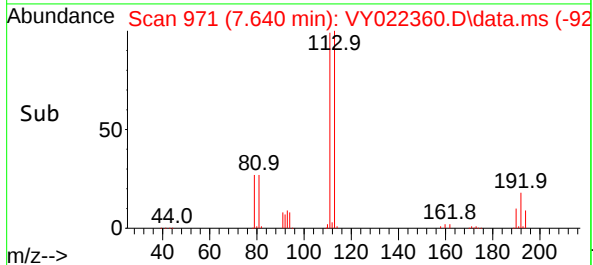
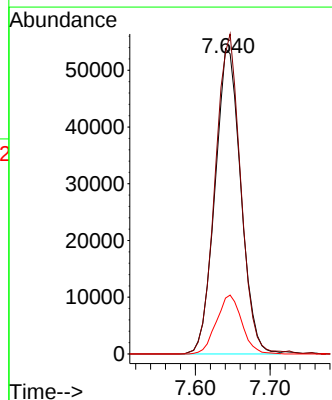
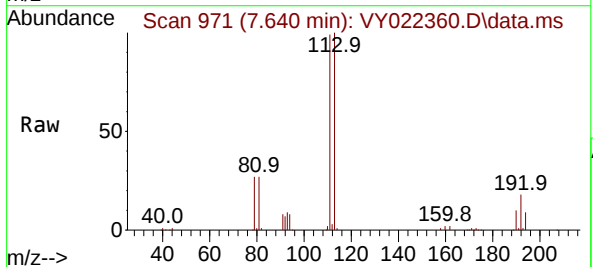
Instrument :
MSVOA_Y
ClientSampleId :
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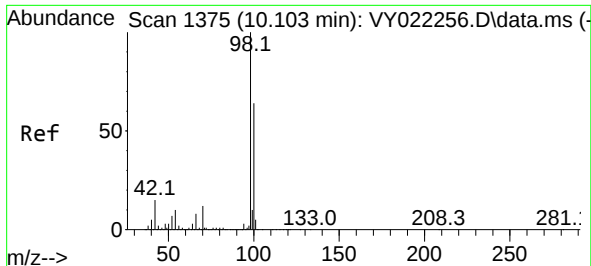
Tgt Ion:114 Resp: 442388
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.0
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.956 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion:113 Resp: 129265
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 18.9 15.2 22.8

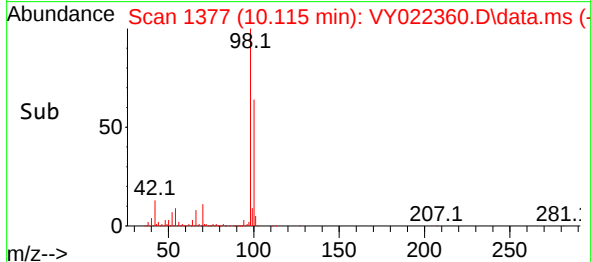
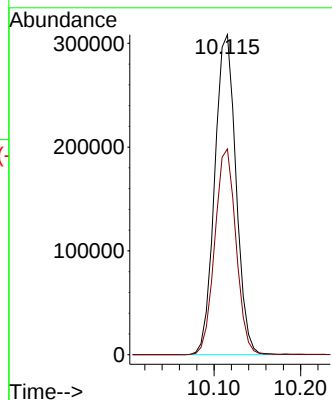
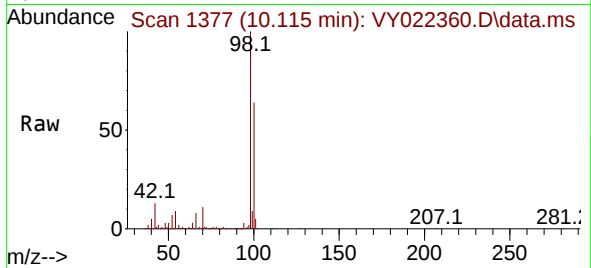




#50
Toluene-d8
Concen: 48.715 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

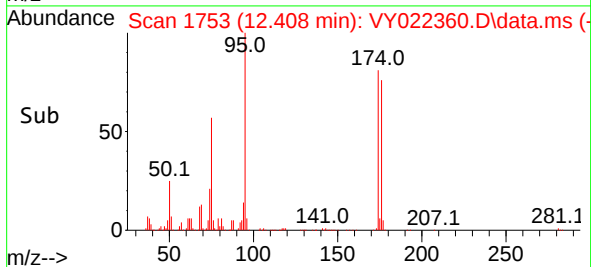
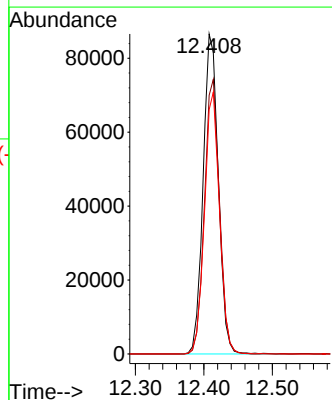
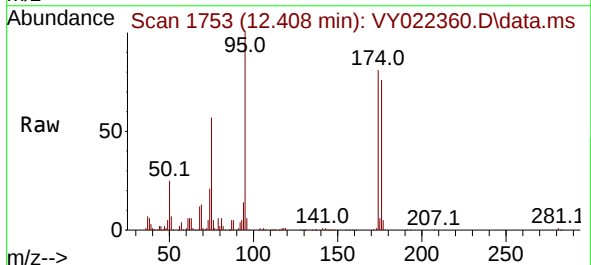
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357

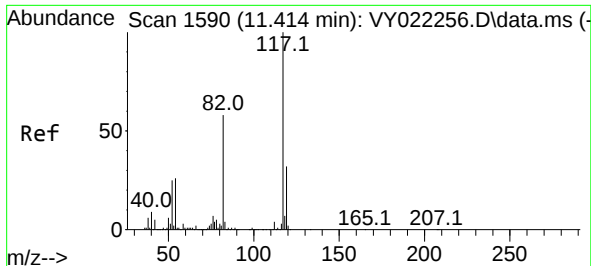
Tgt Ion: 98 Resp: 526807
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.014 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion: 95 Resp: 133728
Ion Ratio Lower Upper
95 100
174 85.1 0.0 166.8
176 81.0 0.0 160.8

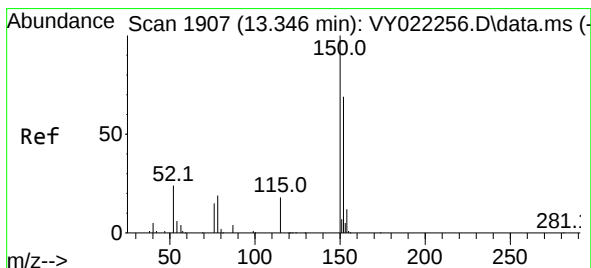
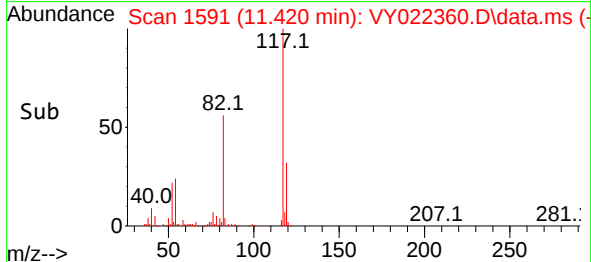
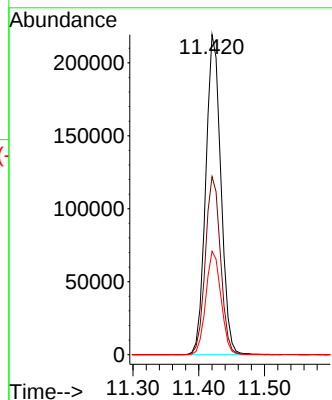
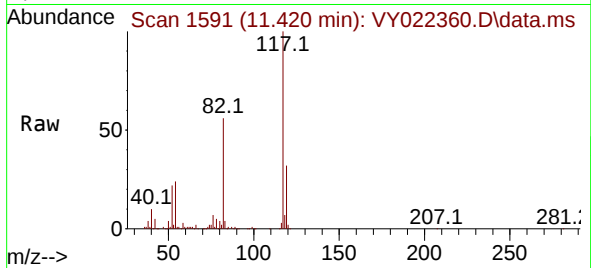




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357

Tgt Ion:117 Resp: 351160
Ion Ratio Lower Upper
117 100
82 55.6 46.6 70.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion:152 Resp: 125264
Ion Ratio Lower Upper
152 100
115 58.0 29.4 88.2
150 158.4 0.0 353.8

