

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023012.D
 Acq On : 18 Jul 2025 20:49
 Operator : SY/MD
 Sample : Q2639-09
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-42-071725

Quant Time: Jul 19 02:16:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	266561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	482479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	478564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	222468	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188974	70.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.060%
35) Dibromofluoromethane	7.634	113	159680	52.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.340%
50) Toluene-d8	10.103	98	596042	49.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.402	95	207811	54.393	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.780%

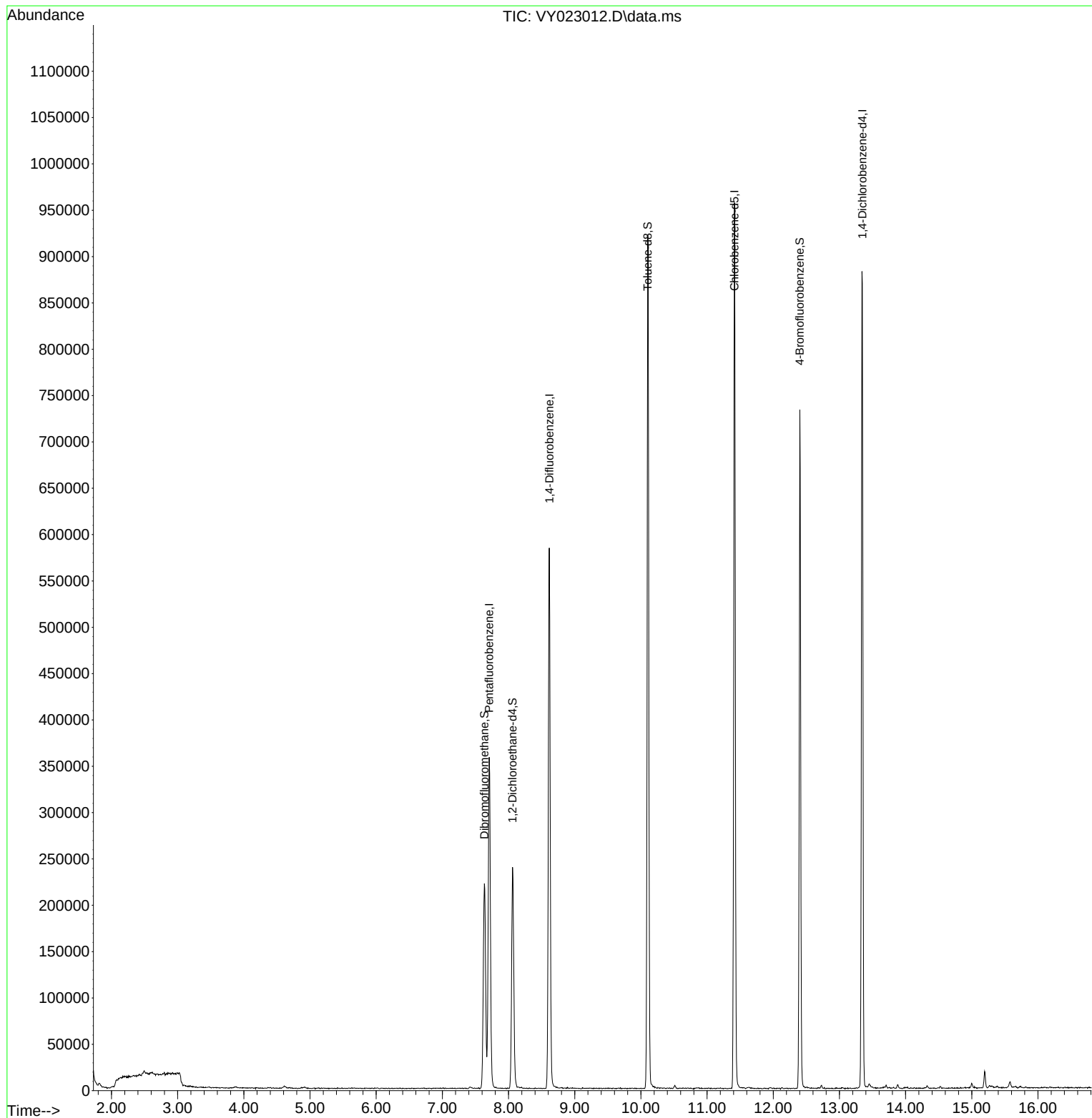
Target Compounds	Qvalue

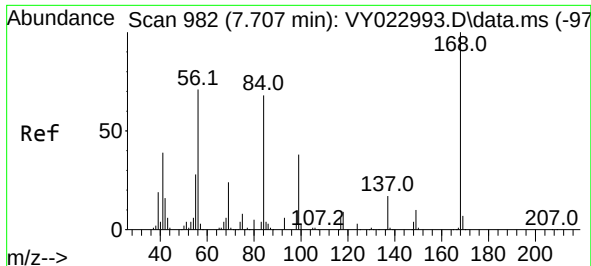
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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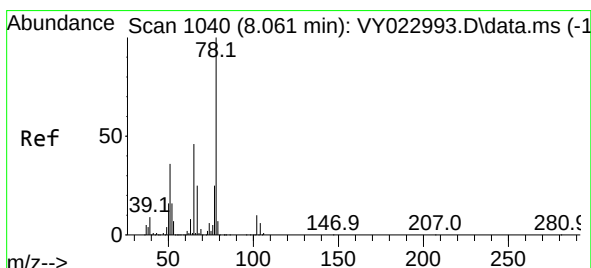
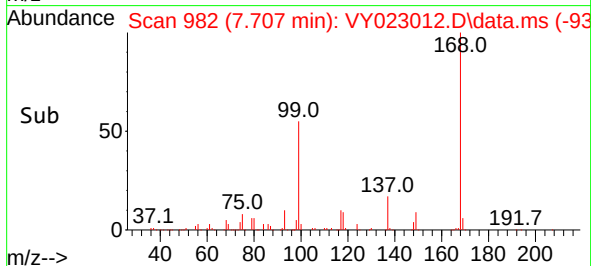
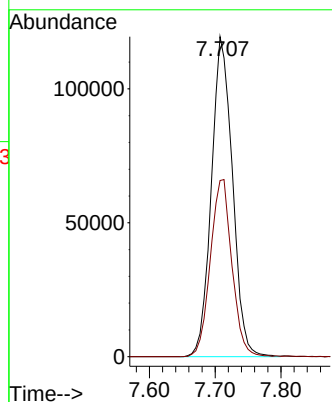
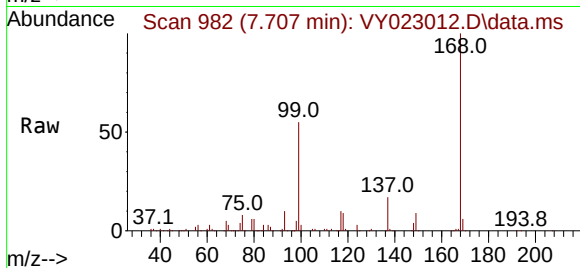




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

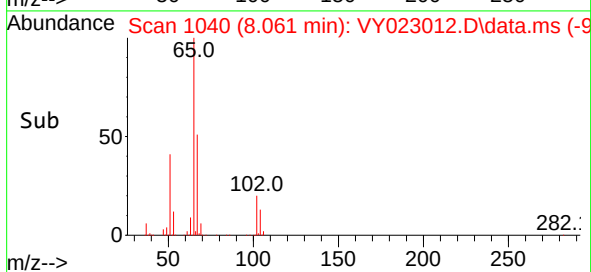
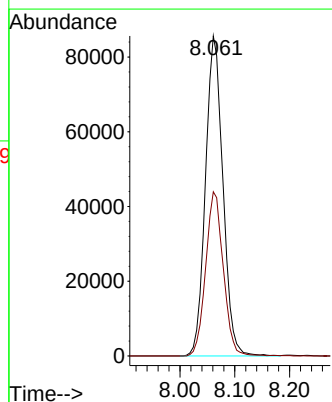
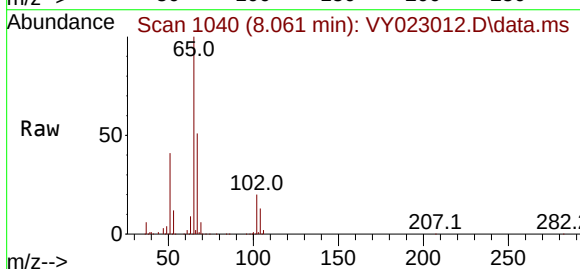
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-42-071725

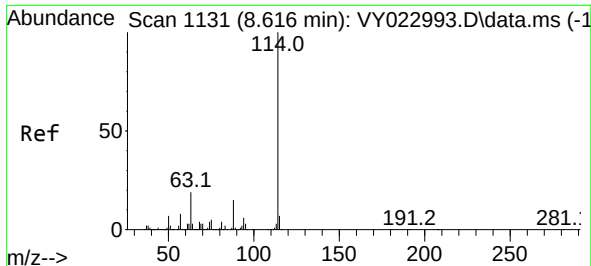
Tgt Ion:168 Resp: 266561
Ion Ratio Lower Upper
168 100
99 55.0 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 70.030 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

Tgt Ion: 65 Resp: 188974
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

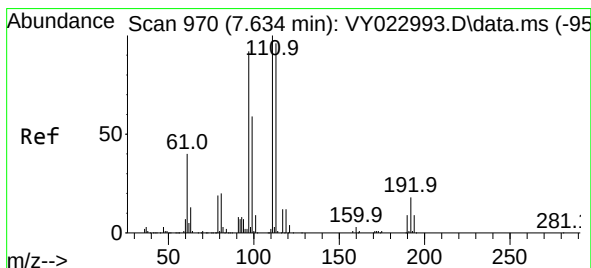
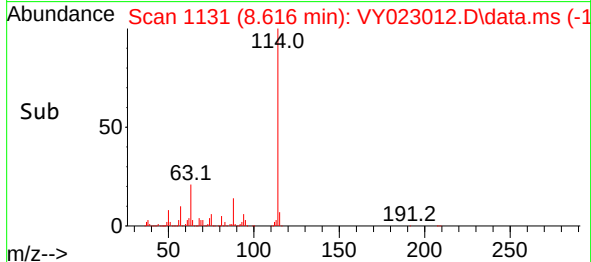
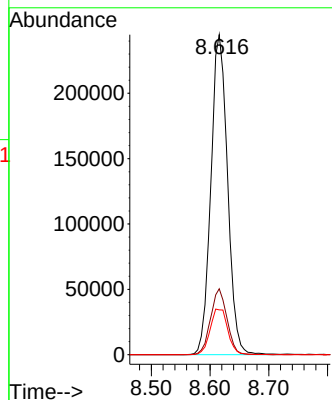
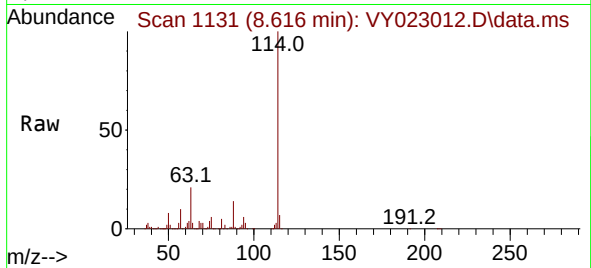




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

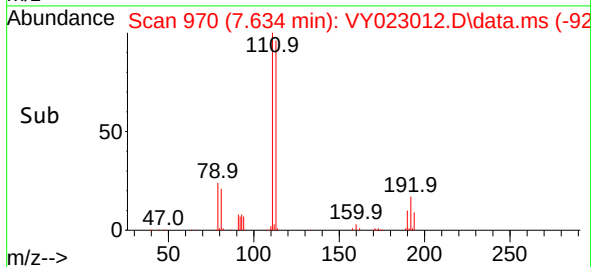
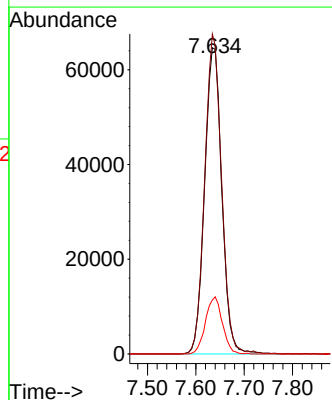
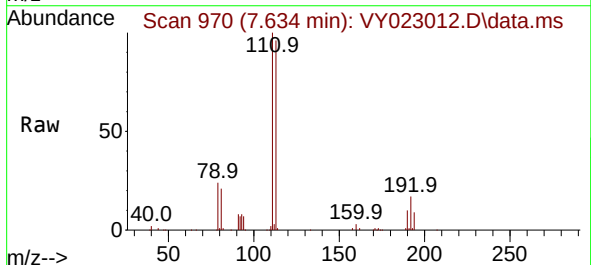
Instrument :
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ClientSampleId :
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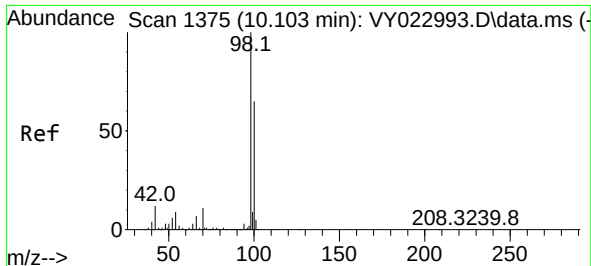
Tgt Ion:114 Resp: 482479
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.8
88 14.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.174 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

Tgt Ion:113 Resp: 159680
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 18.4 15.3 22.9

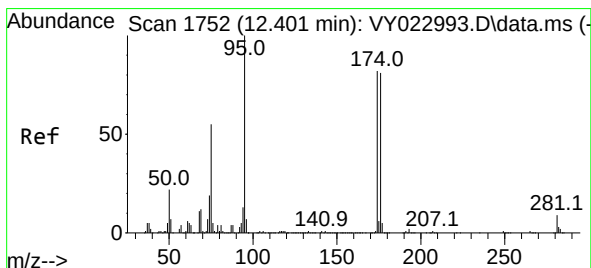
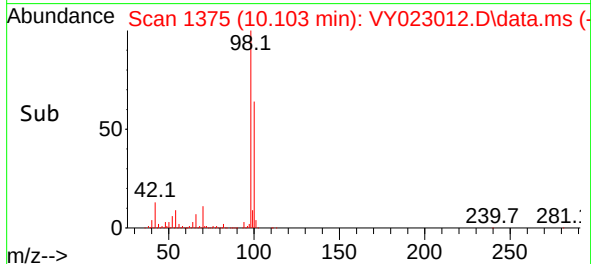
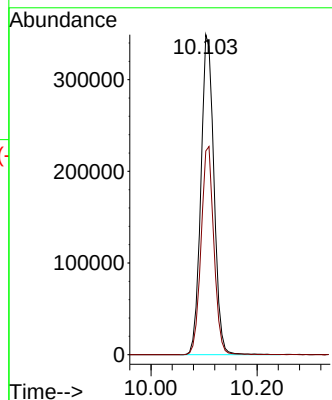
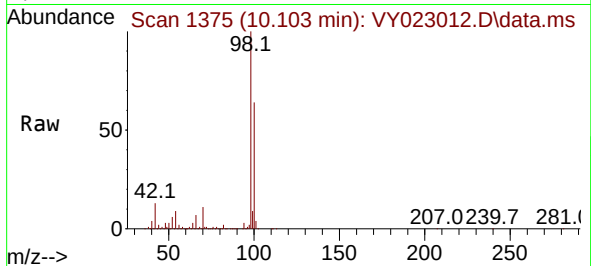




#50
Toluene-d8
Concen: 49.110 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

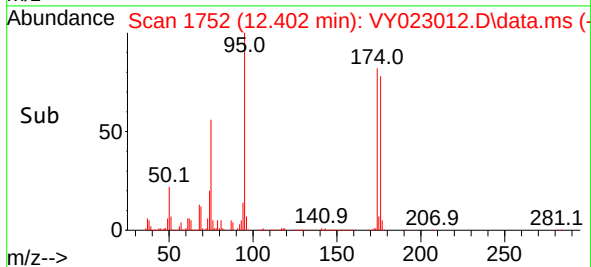
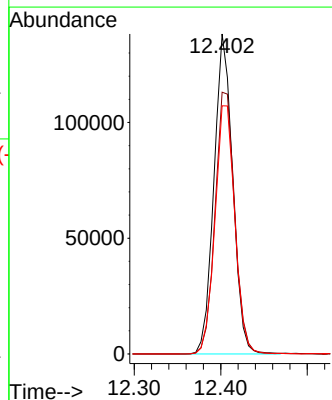
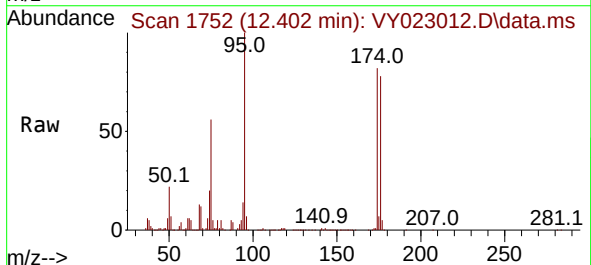
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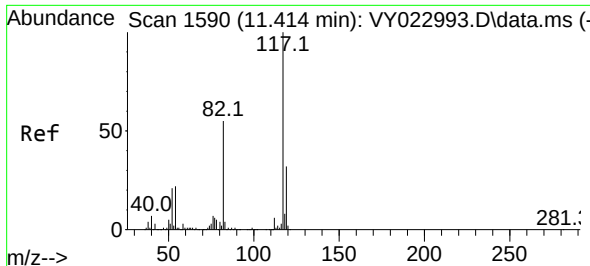
Tgt Ion: 98 Resp: 596042
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.393 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

Tgt Ion: 95 Resp: 207811
Ion Ratio Lower Upper
95 100
174 86.4 0.0 170.8
176 82.4 0.0 163.6

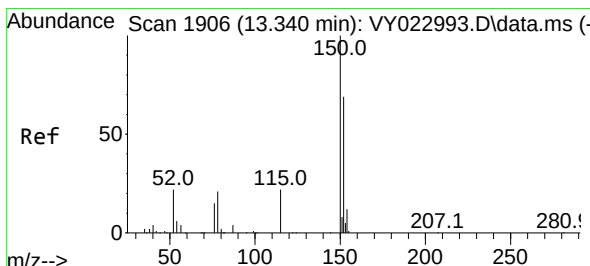
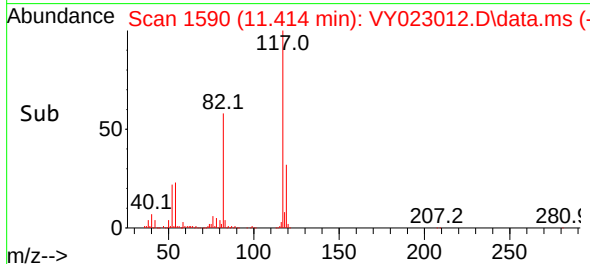
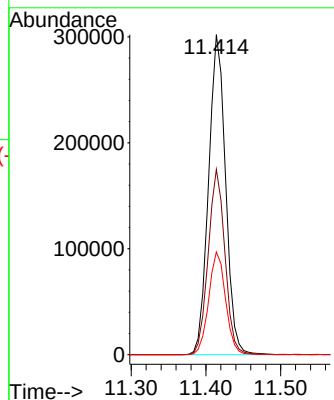
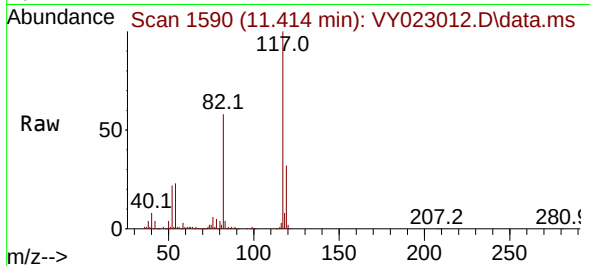




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-42-071725

Tgt Ion:117 Resp: 478564
Ion Ratio Lower Upper
117 100
82 57.9 44.3 66.5
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023012.D
Acq: 18 Jul 2025 20:49

Tgt Ion:152 Resp: 222468
Ion Ratio Lower Upper
152 100
115 56.8 29.4 88.2
150 153.8 0.0 350.0

