

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023006.D
 Acq On : 18 Jul 2025 18:32
 Operator : SY/MD
 Sample : Q2638-11
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-36-071725

Quant Time: Jul 19 02:14:46 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	7.713	168	273235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	489594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	474387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	214097	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	184125	66.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.140%
35) Dibromofluoromethane	7.634	113	160651	51.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.460%
50) Toluene-d8	10.109	98	589587	47.872	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.401	95	210820	54.379	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.760%

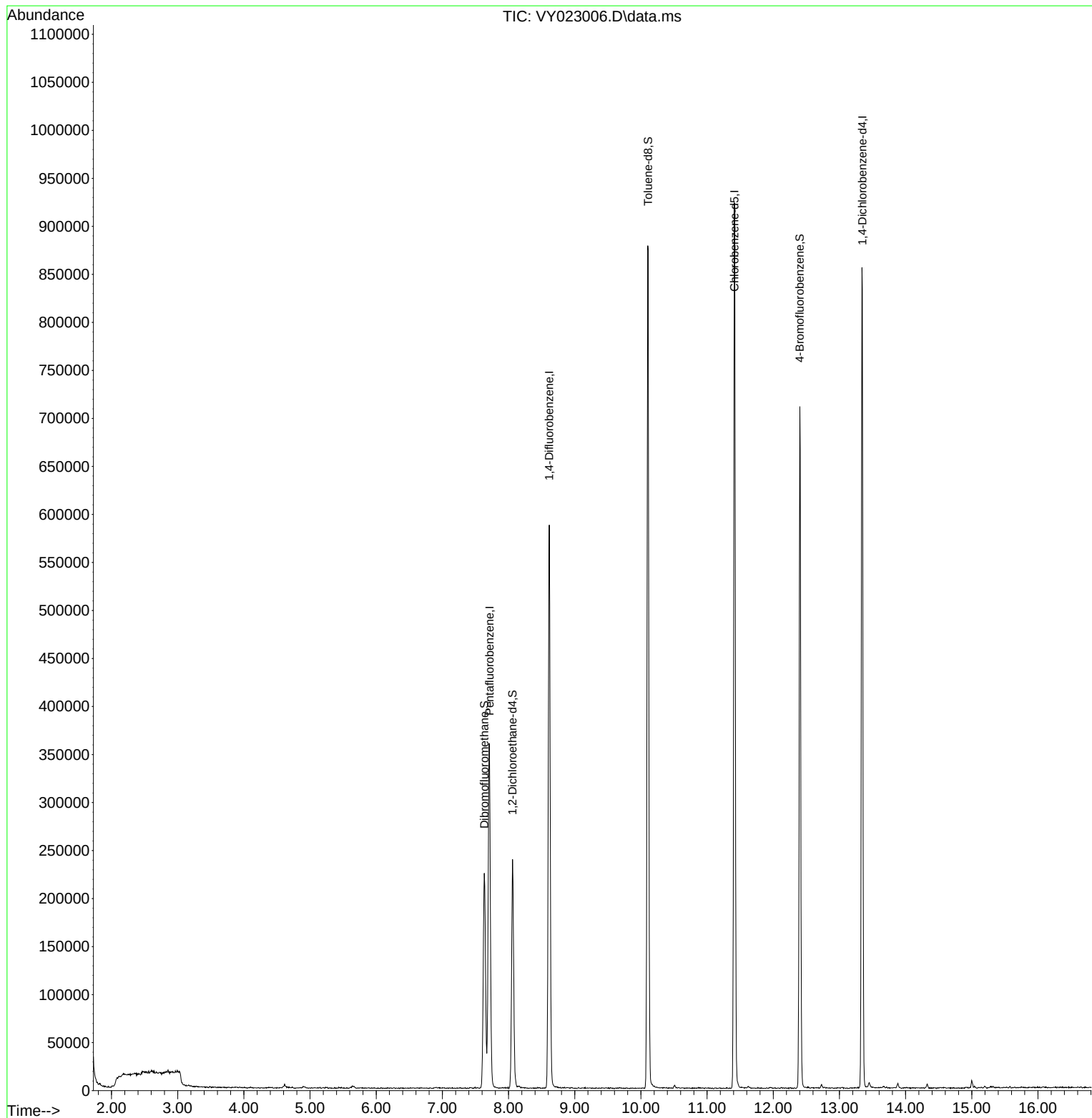
Target Compounds	Qvalue

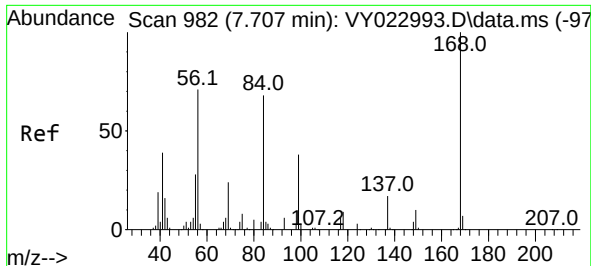
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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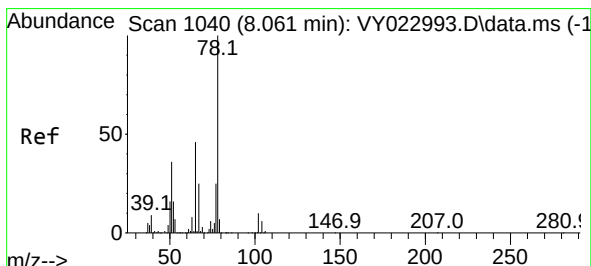
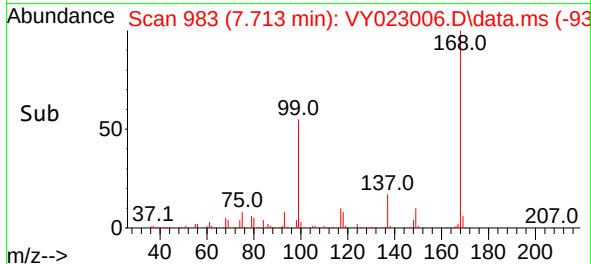
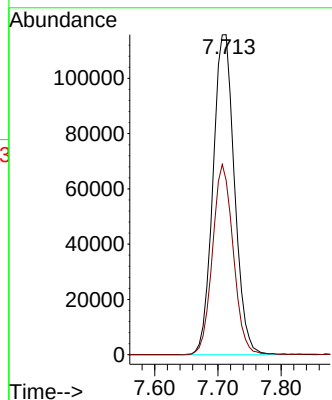
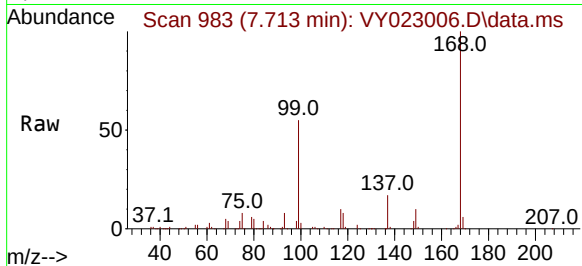




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

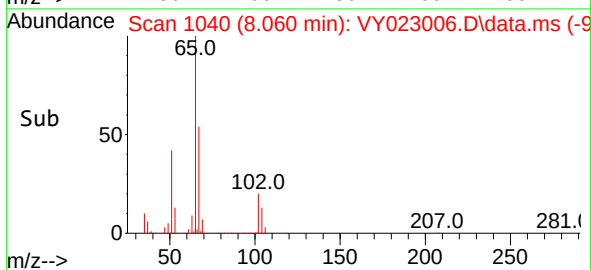
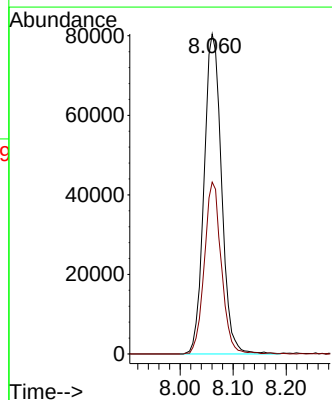
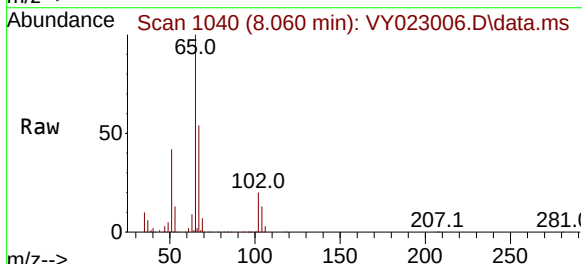
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-36-071725

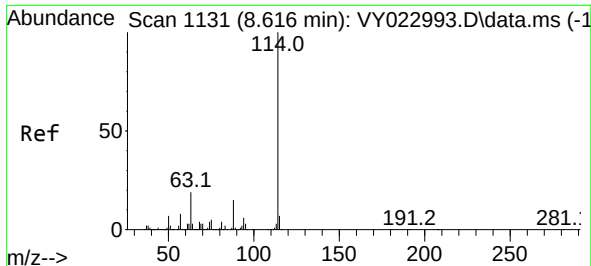
Tgt Ion:168 Resp: 273235
Ion Ratio Lower Upper
168 100
99 54.5 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 66.566 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion: 65 Resp: 184125
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

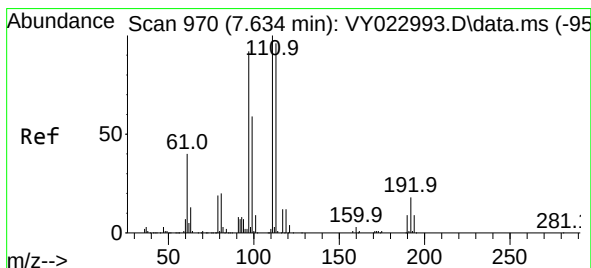
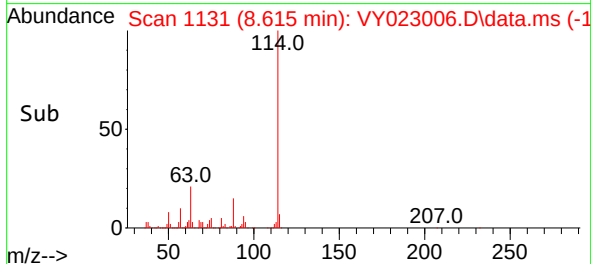
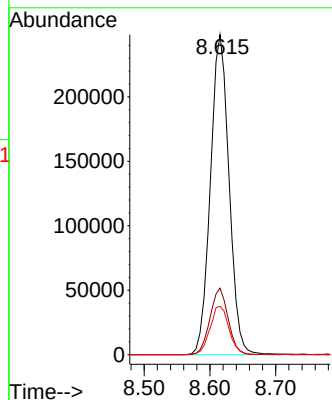
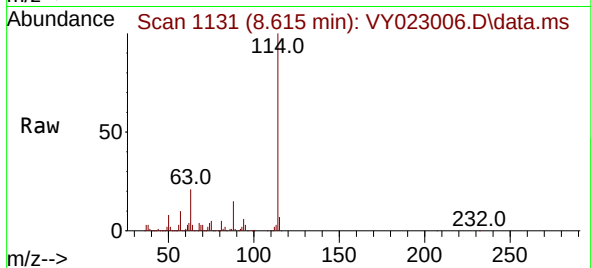




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

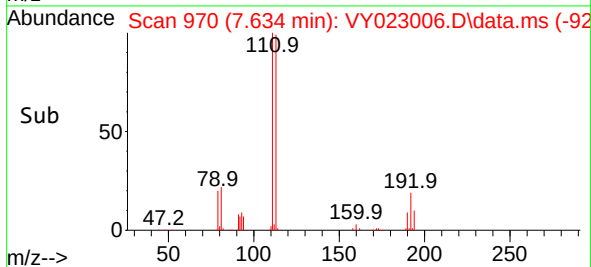
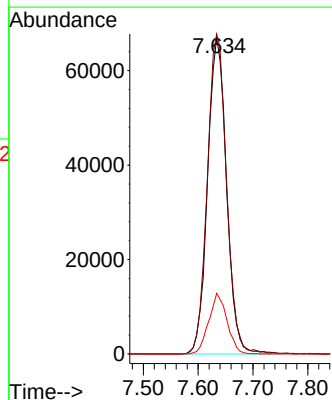
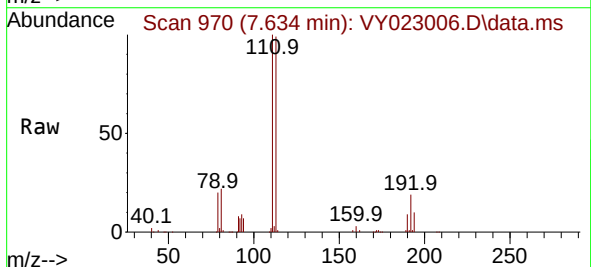
Instrument :
MSVOA_Y
ClientSampleId :
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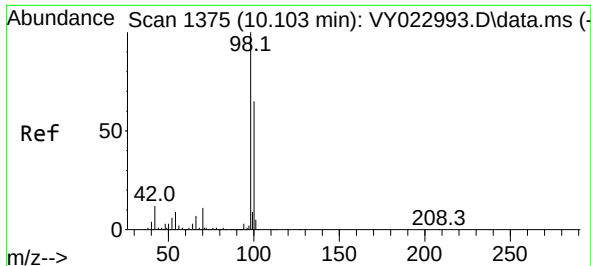
Tgt Ion:114 Resp: 489594
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.8
88 15.1 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.728 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion:113 Resp: 160651
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 18.5 15.3 22.9

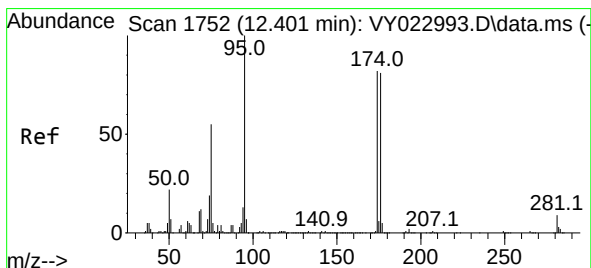
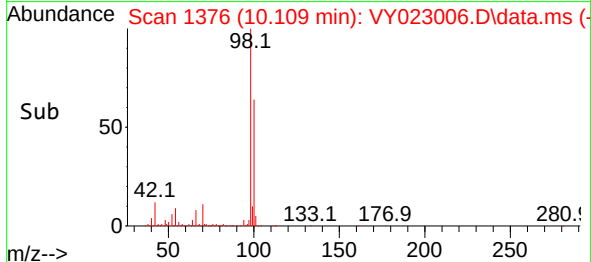
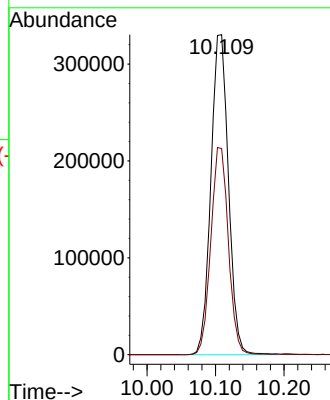
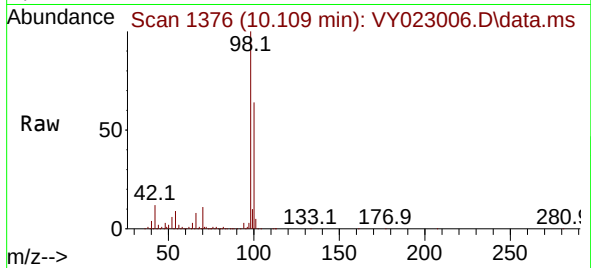




#50
Toluene-d8
Concen: 47.872 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

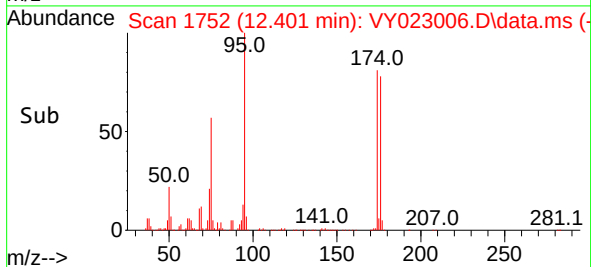
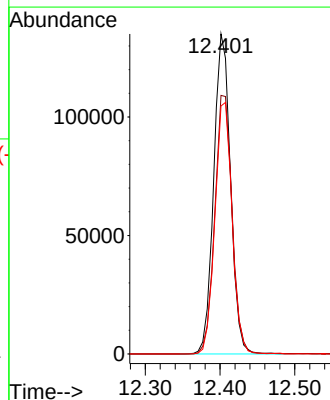
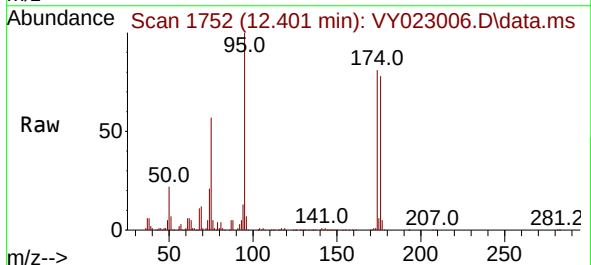
Instrument :
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ClientSampleId :
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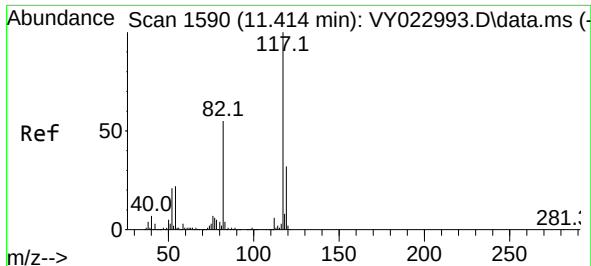
Tgt Ion: 98 Resp: 589587
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.379 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion: 95 Resp: 210820
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 80.2 0.0 163.6

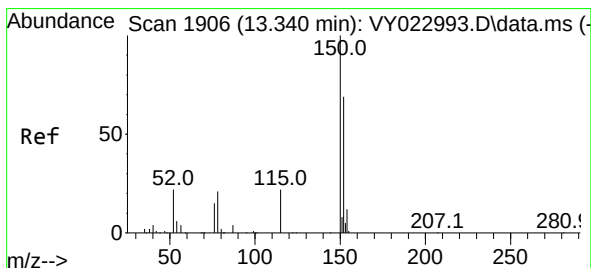
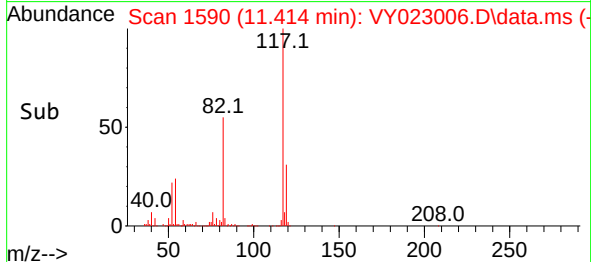
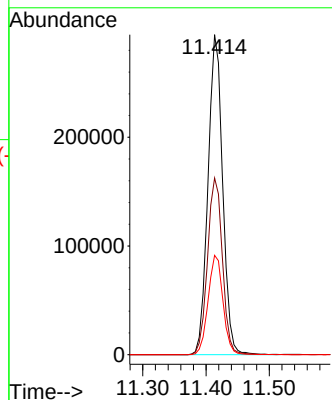
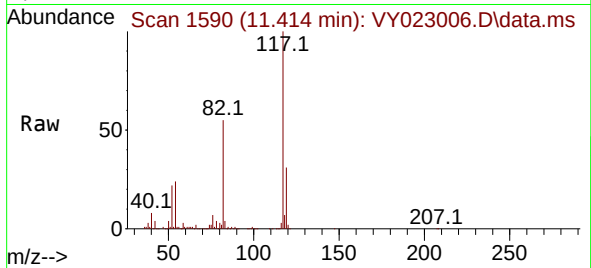




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-36-071725

Tgt Ion:117 Resp: 474387
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 31.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion:152 Resp: 214097
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.2
150 156.8 0.0 350.0

