

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023399.D
 Acq On : 08 Oct 2025 11:47
 Operator : SY/MD
 Sample : Q3303-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HL-EAST

Quant Time: Oct 09 03:10:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	209858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	354932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	317265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125448	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100310	57.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.320%
35) Dibromofluoromethane	7.634	113	125488	57.540	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.080%
50) Toluene-d8	10.109	98	405392	49.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.408	95	114158	42.574	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.140%

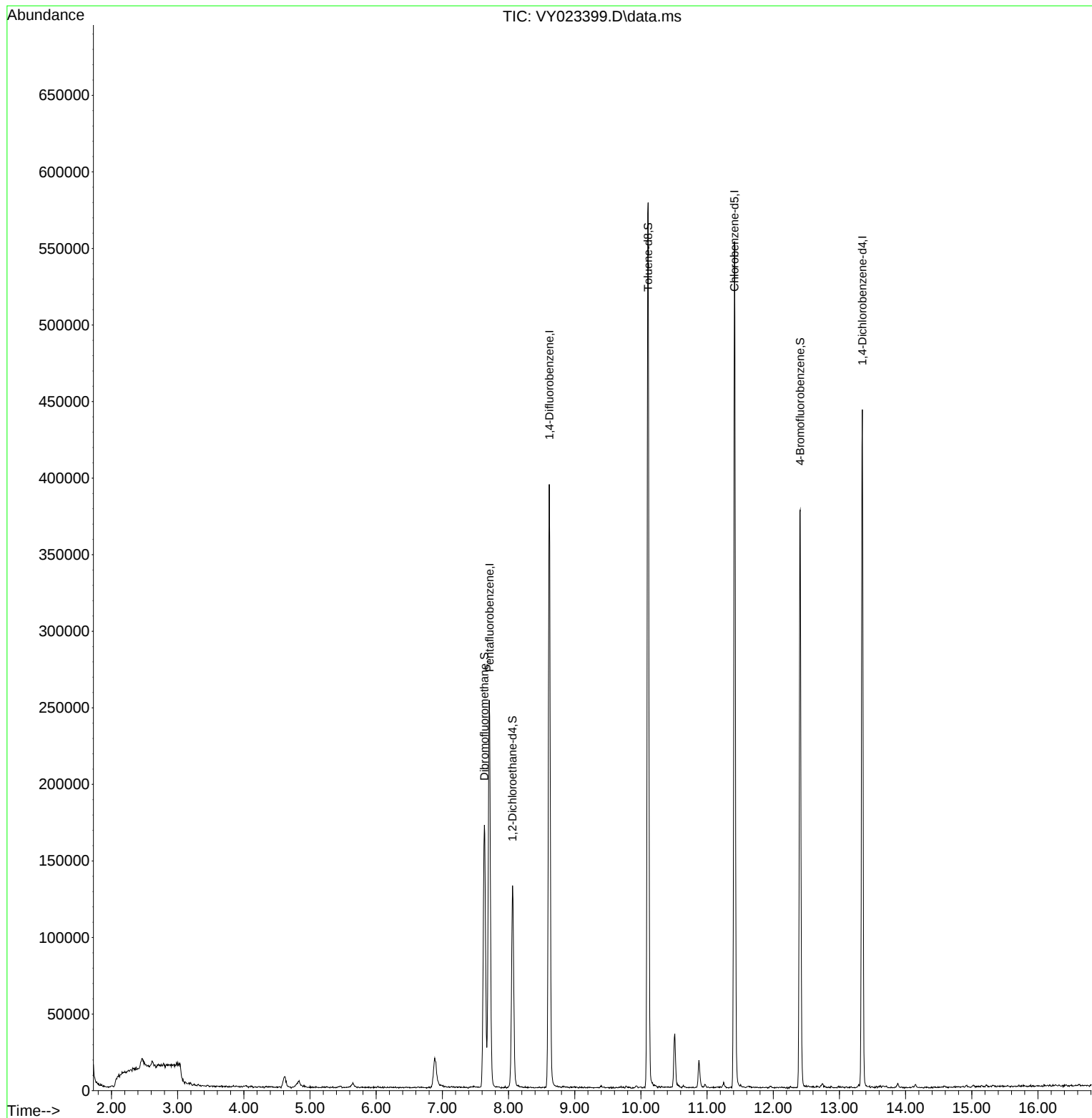
Target Compounds	Qvalue

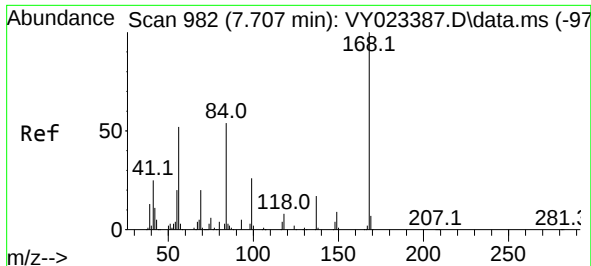
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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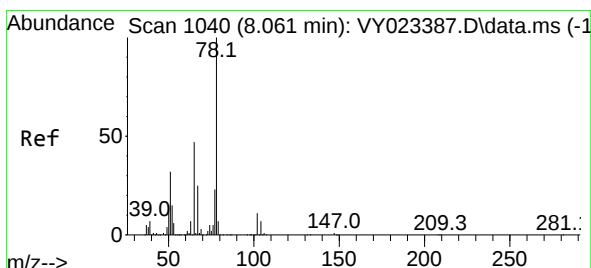
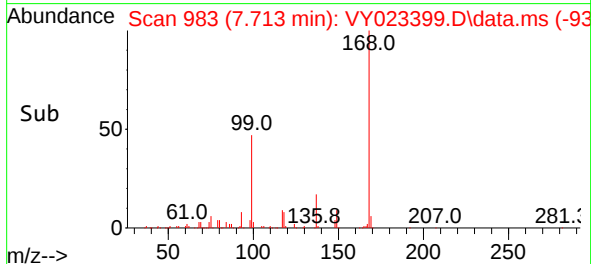
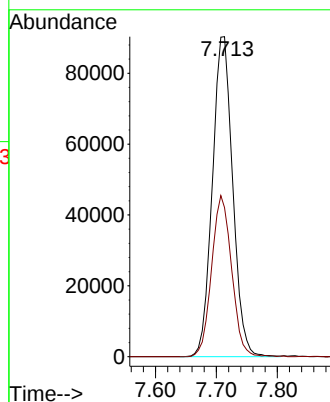
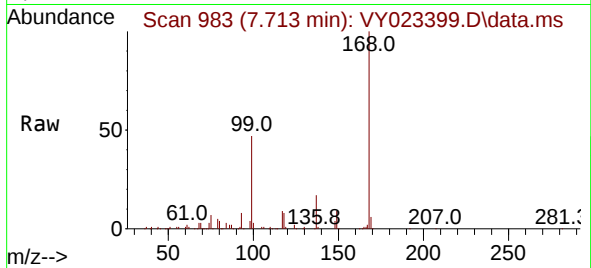




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

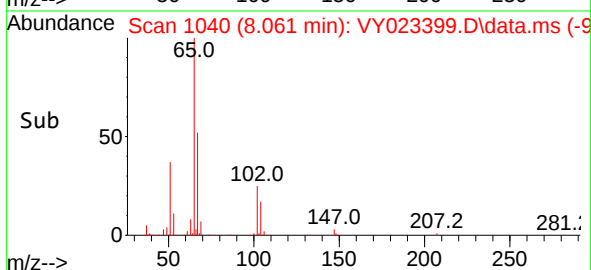
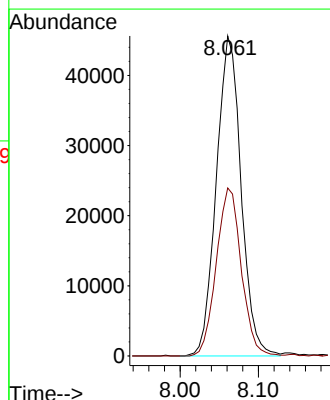
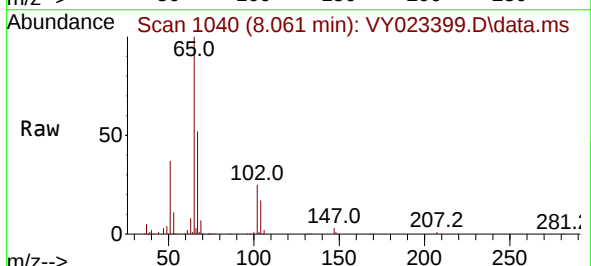
Instrument :
MSVOA_Y
ClientSampleId :
HL-EAST

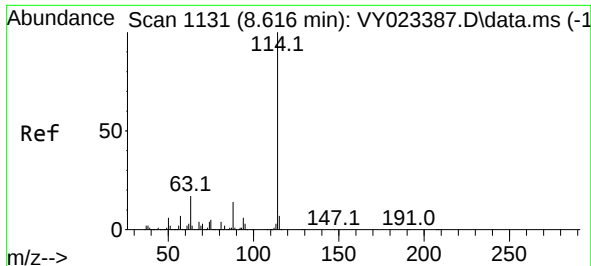
Tgt Ion:168 Resp: 209858
Ion Ratio Lower Upper
168 100
99 46.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 57.161 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

Tgt Ion: 65 Resp: 100310
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

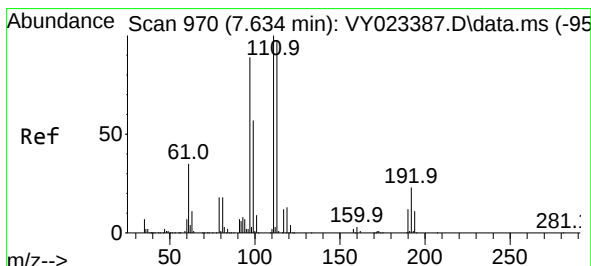
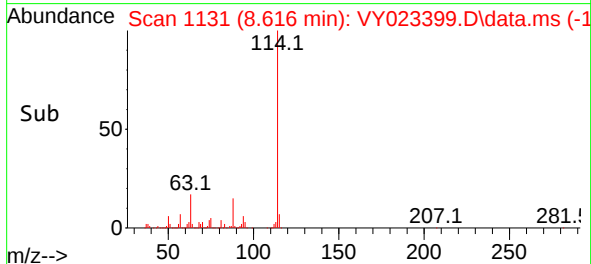
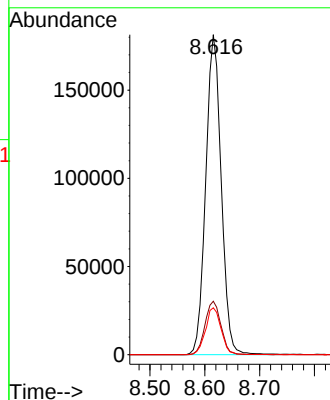
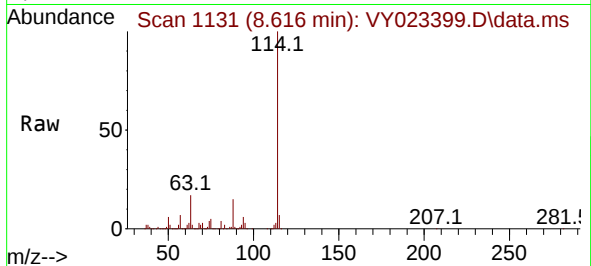




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

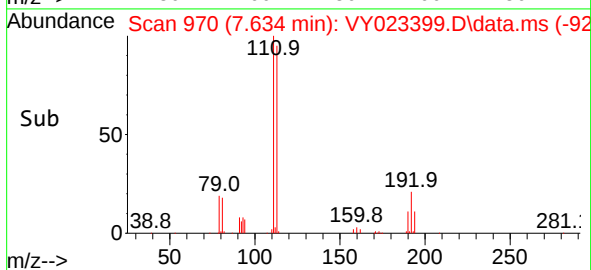
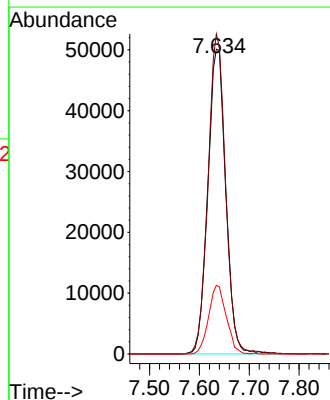
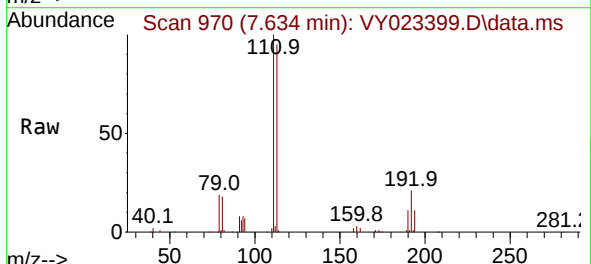
Instrument :
MSVOA_Y
ClientSampleId :
HL-EAST

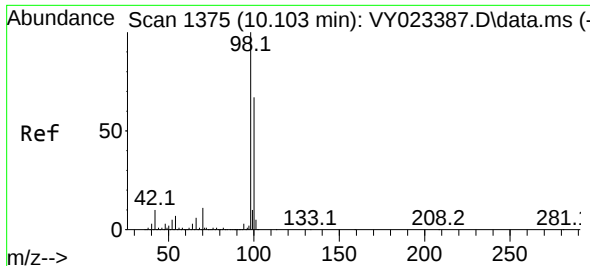
Tgt Ion:114 Resp: 354932
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.7 0.0 28.4



#35
Dibromofluoromethane
Concen: 57.540 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

Tgt Ion:113 Resp: 125488
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.1 18.0 27.0

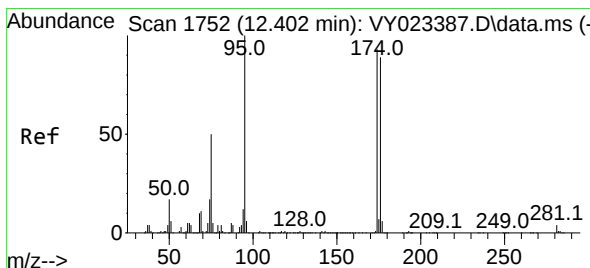
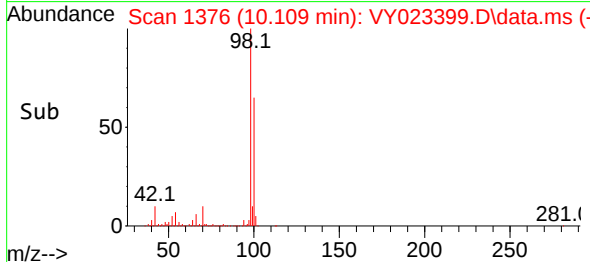
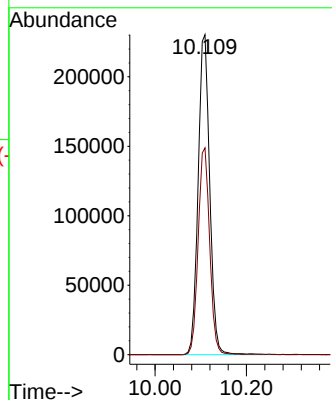
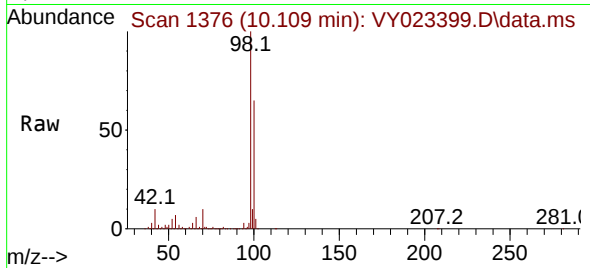




#50
Toluene-d8
Concen: 49.914 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

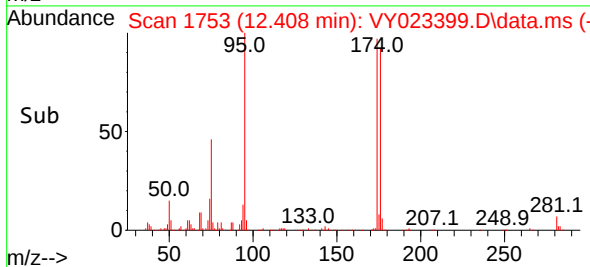
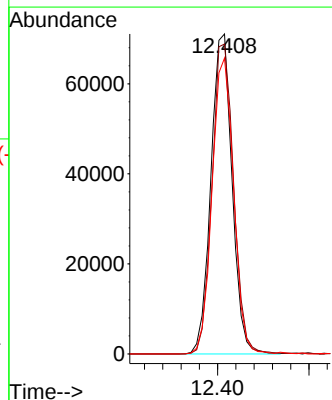
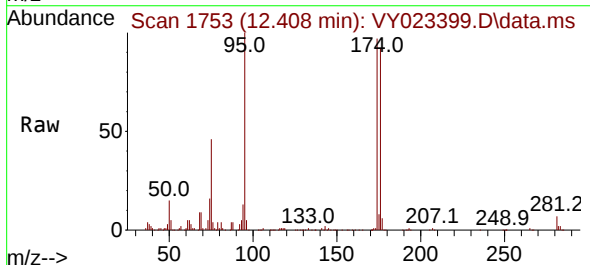
Instrument :
MSVOA_Y
ClientSampleId :
HL-EAST

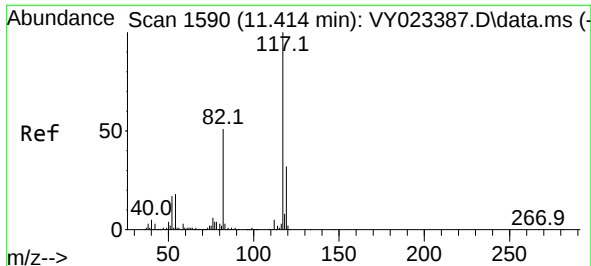
Tgt Ion: 98 Resp: 405392
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.574 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

Tgt Ion: 95 Resp: 114158
Ion Ratio Lower Upper
95 100
174 99.1 0.0 192.8
176 93.7 0.0 187.6

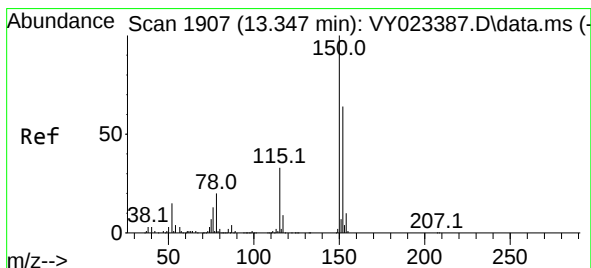
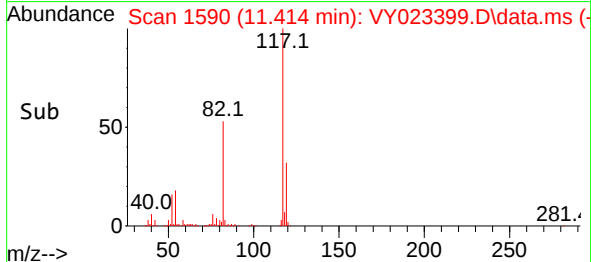
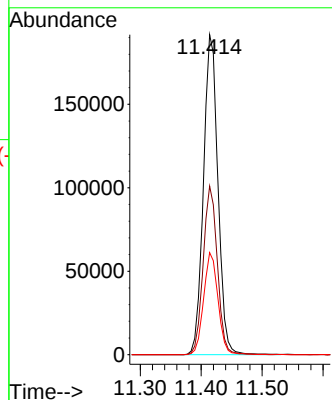
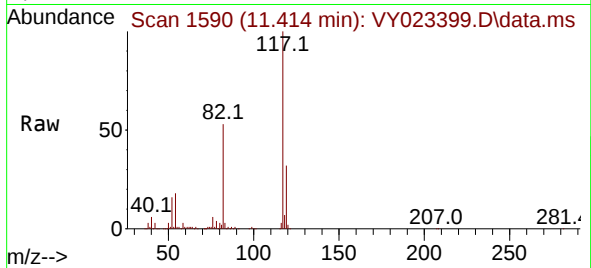




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
HL-EAST

Tgt Ion:117 Resp: 317265
Ion Ratio Lower Upper
117 100
82 52.7 41.0 61.4
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023399.D
Acq: 08 Oct 2025 11:47

Tgt Ion:152 Resp: 125448
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.2
150 156.9 0.0 347.4

