

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023225.D
 Acq On : 28 Aug 2025 14:41
 Operator : SY/MD
 Sample : Q2970-25
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6

Quant Time: Aug 29 02:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	568647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1083008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	994126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403006	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	304005	56.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.180%
35) Dibromofluoromethane	7.640	113	347356	53.601	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.200%
50) Toluene-d8	10.109	98	1304550	51.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.401	95	386393	47.459	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.920%

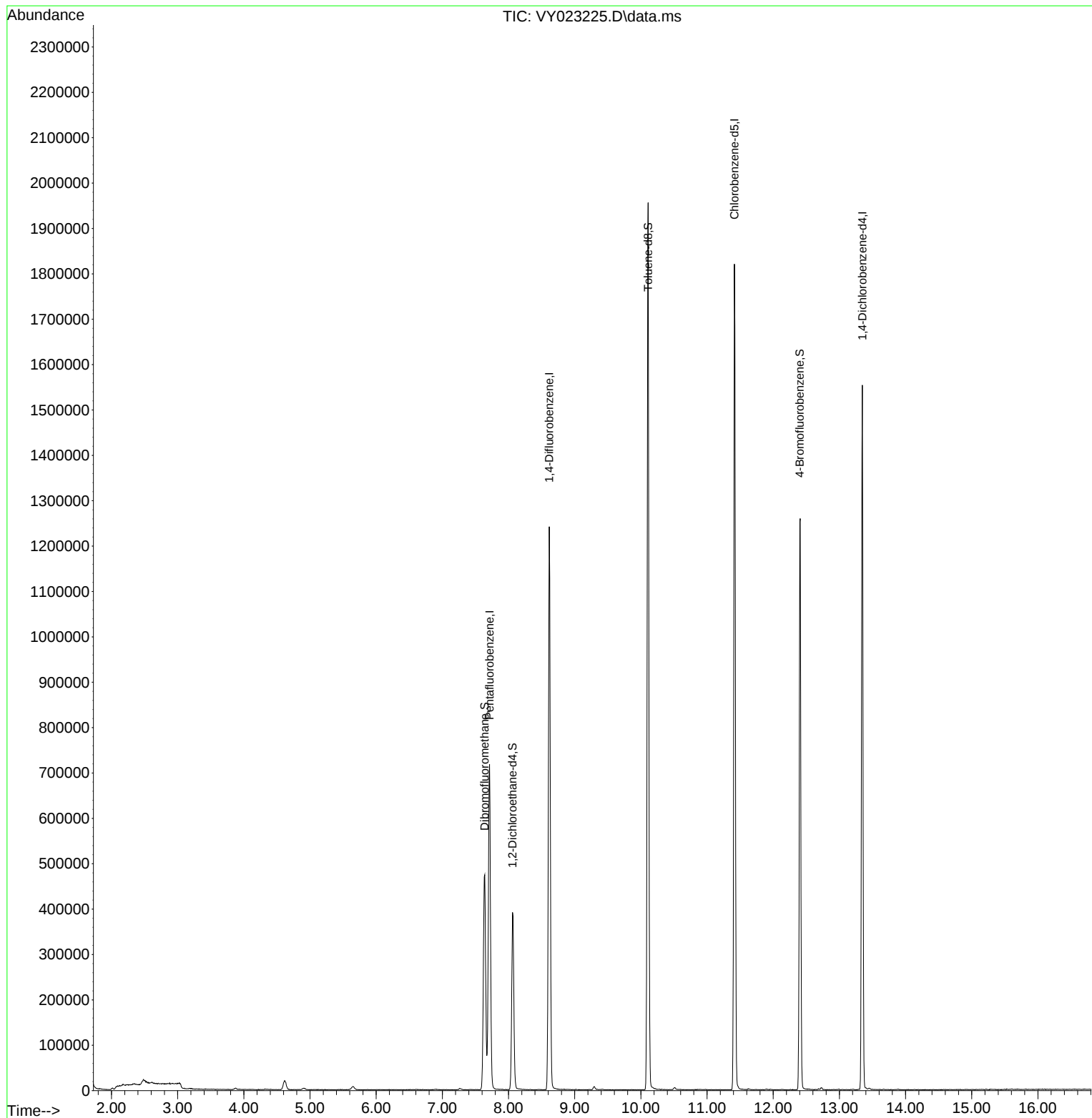
Target Compounds	Qvalue

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

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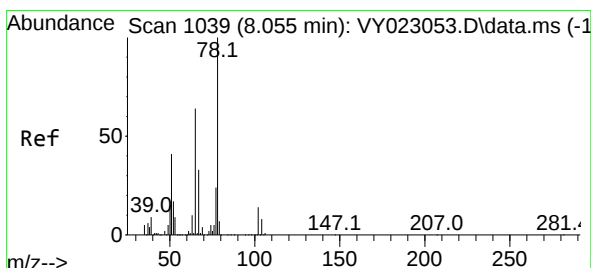
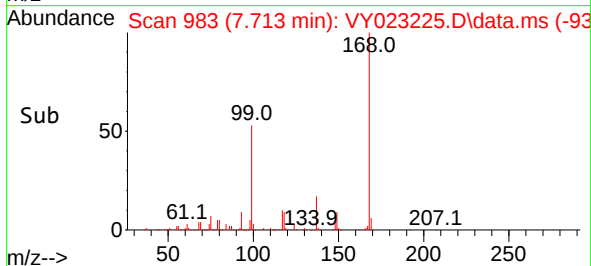
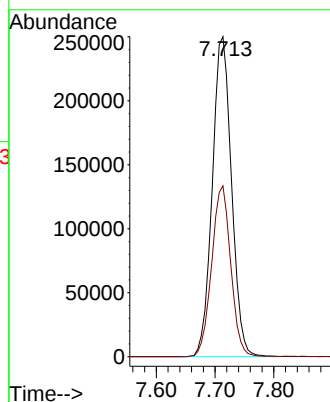
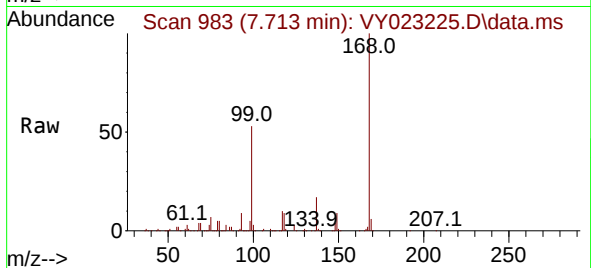




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

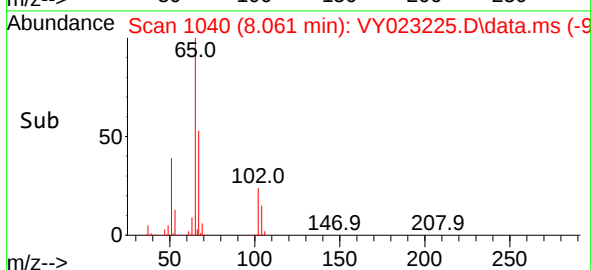
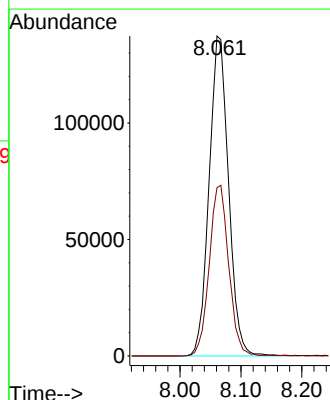
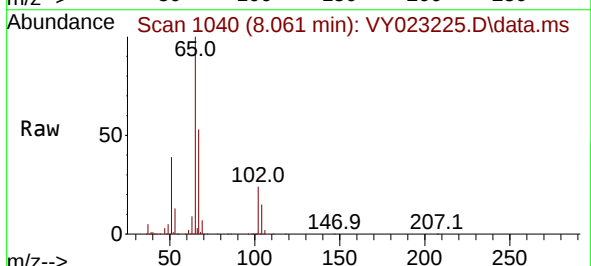
Instrument :
MSVOA_Y
ClientSampleId :
TP6

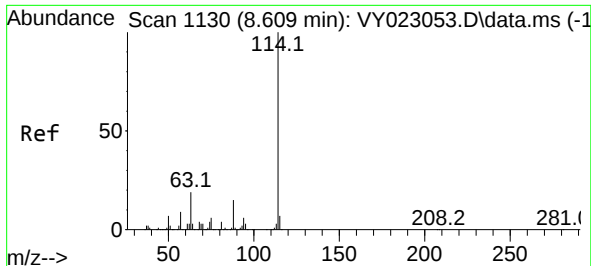
Tgt Ion:168 Resp: 568647
Ion Ratio Lower Upper
168 100
99 53.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.094 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion: 65 Resp: 304005
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

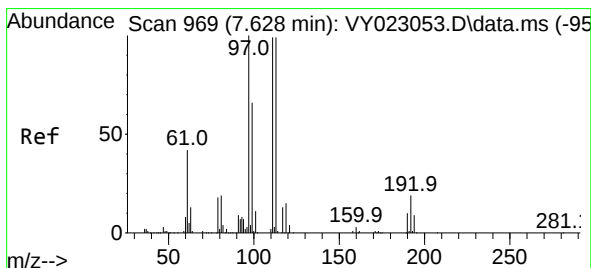
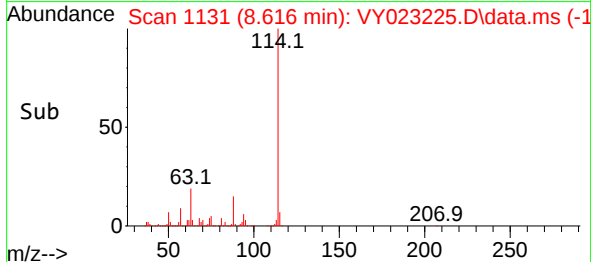
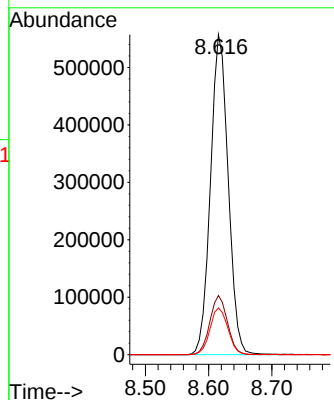
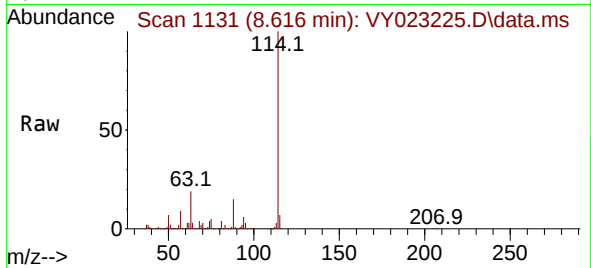




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

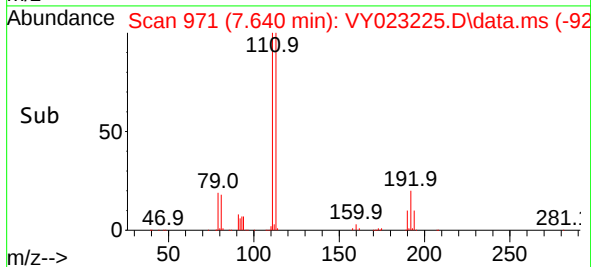
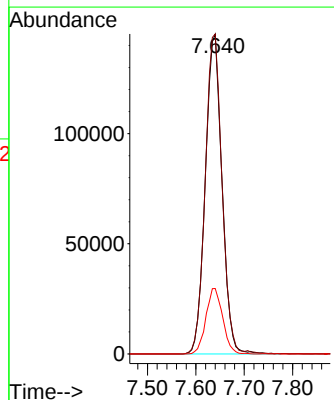
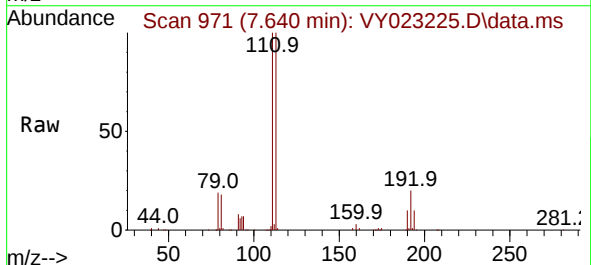
Instrument :
MSVOA_Y
ClientSampleId :
TP6

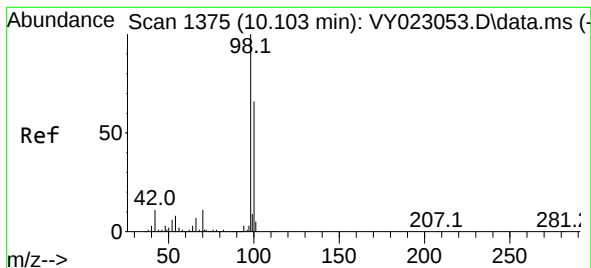
Tgt Ion:114 Resp: 1083008
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.601 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion:113 Resp: 347356
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 20.6 16.2 24.4

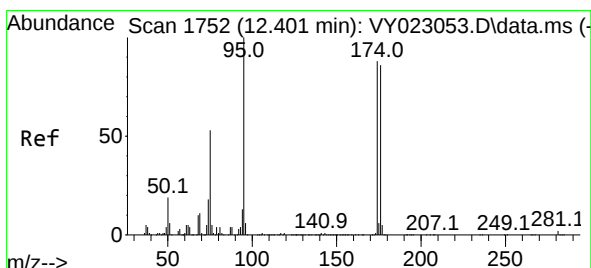
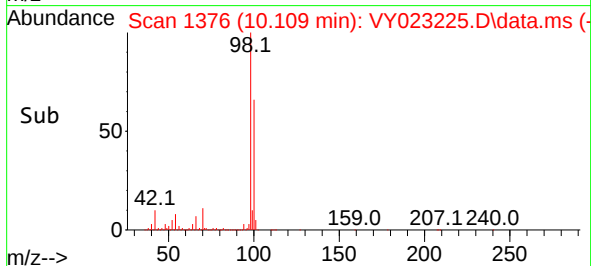
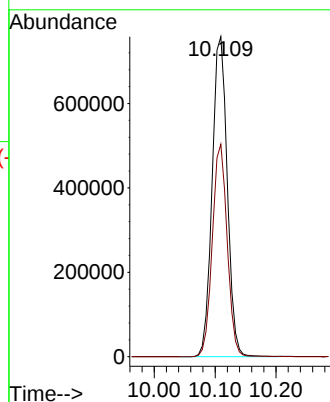
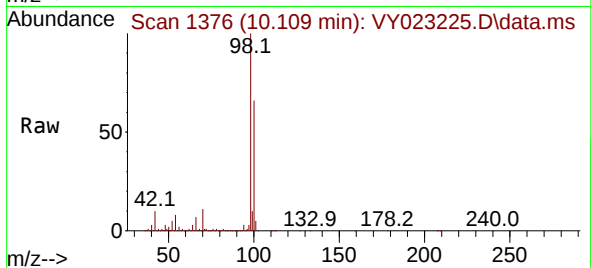




#50
Toluene-d8
Concen: 51.530 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

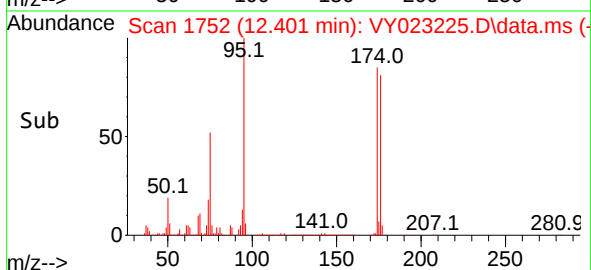
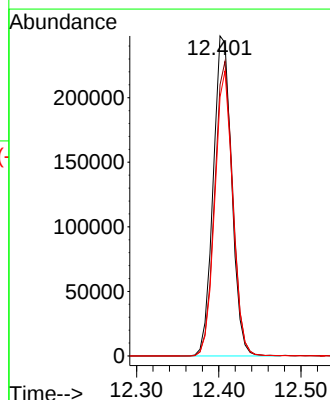
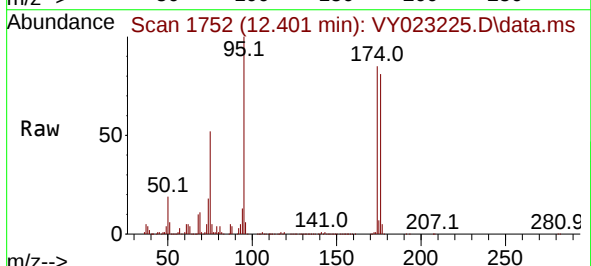
Instrument :
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TP6

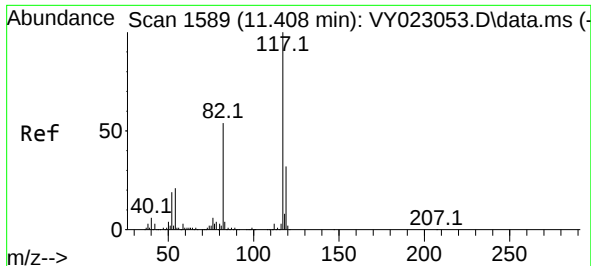
Tgt Ion: 98 Resp: 1304550
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.459 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion: 95 Resp: 386393
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.6
176 87.1 0.0 167.6

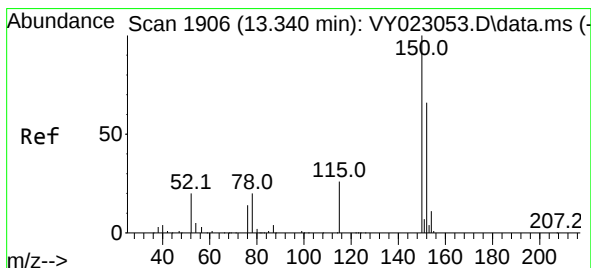
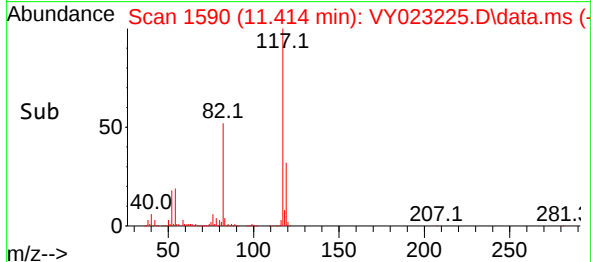
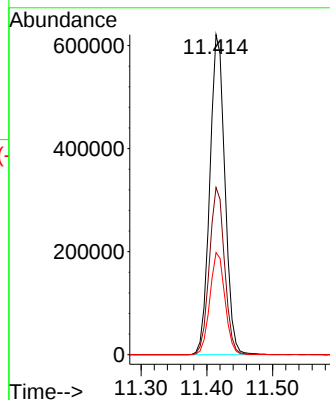
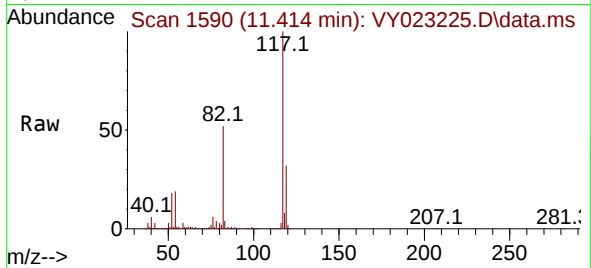




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Instrument :
MSVOA_Y
ClientSampleId :
TP6

Tgt Ion:117 Resp: 994126
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
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. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion:152 Resp: 403006
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.6
150 156.1 0.0 348.0

