

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023452.D
 Acq On : 13 Oct 2025 15:05
 Operator : SY/MD
 Sample : Q3337-01
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAYDOWN-YARD-1

Quant Time: Oct 14 04:17:29 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	413317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	784999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	799657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	326953	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	219319	63.456	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.920%
35) Dibromofluoromethane	7.634	113	271886	56.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.740%
50) Toluene-d8	10.109	98	939722	52.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.408	95	309723	52.226	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.460%

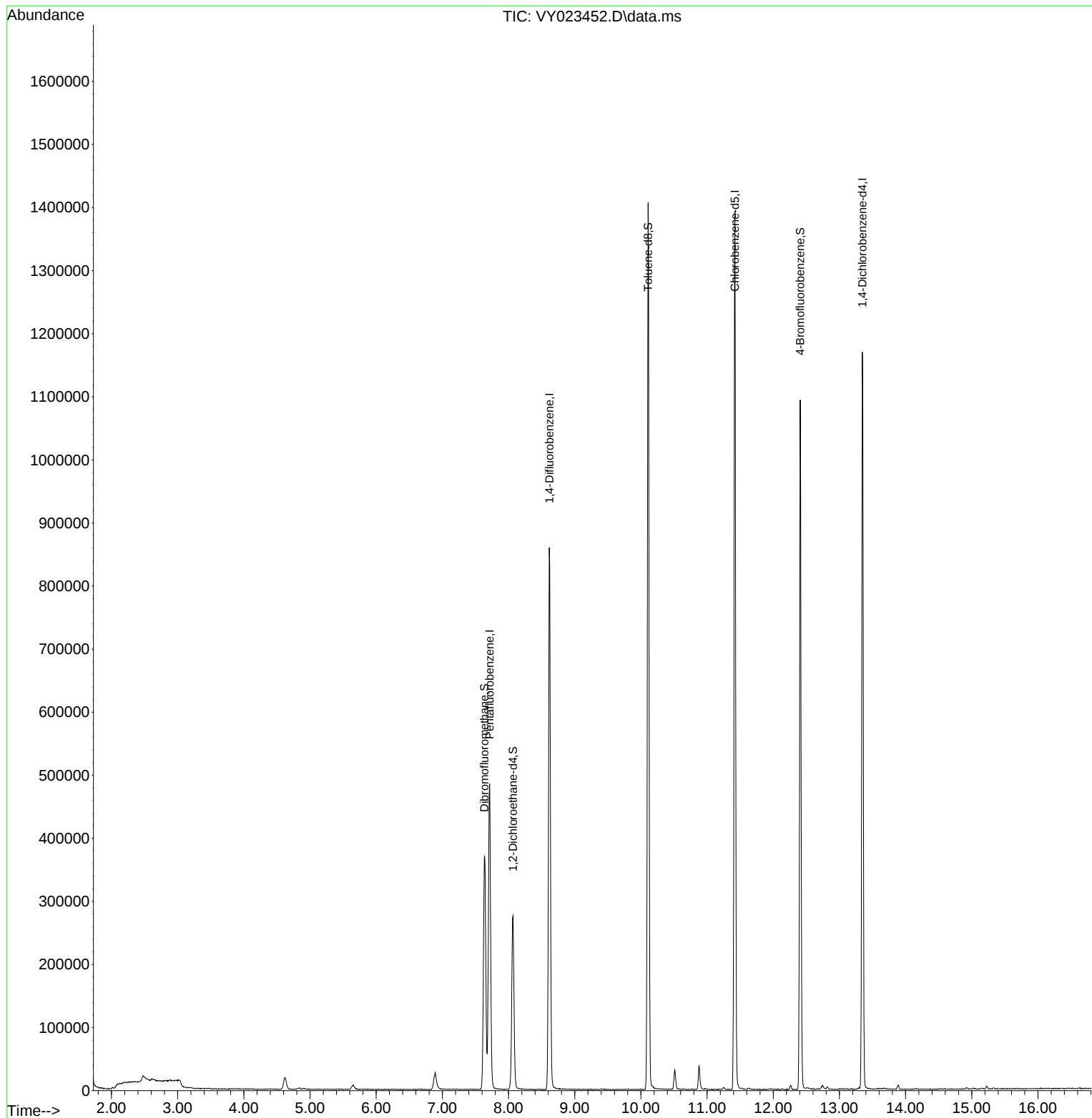
Target Compounds	Qvalue

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

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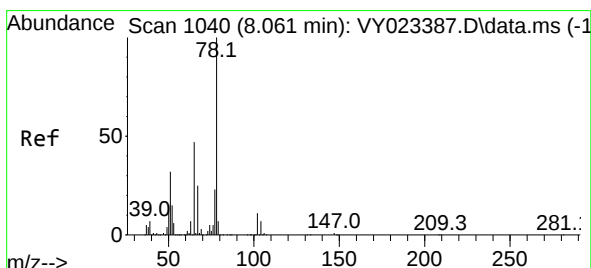
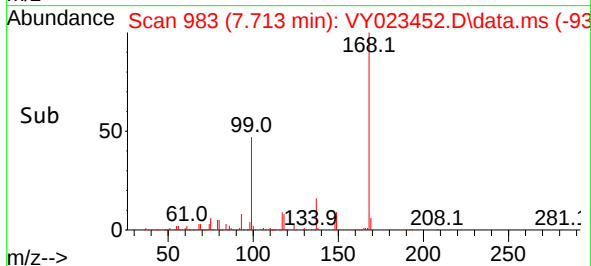
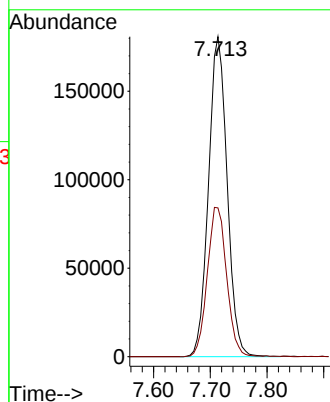
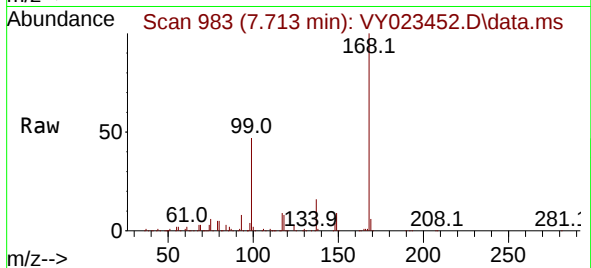




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

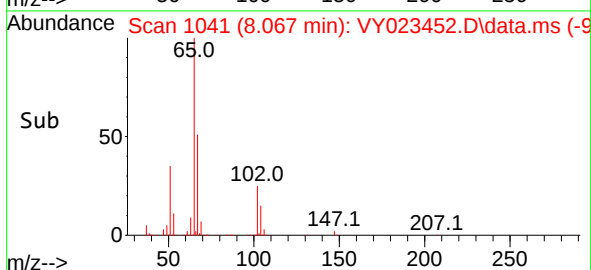
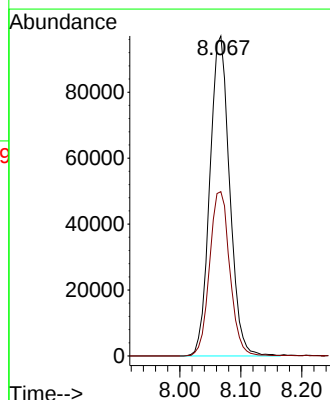
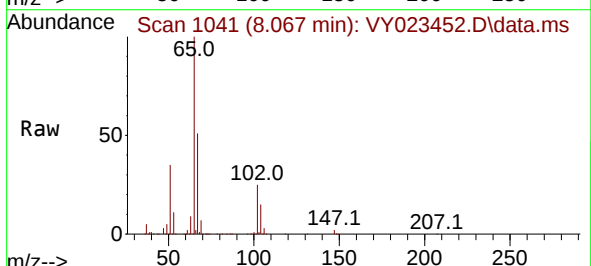
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

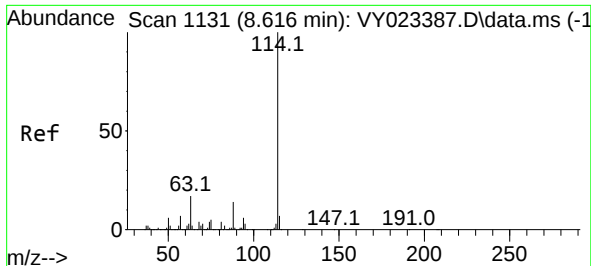
Tgt Ion:168 Resp: 413317
Ion Ratio Lower Upper
168 100
99 46.5 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 63.456 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion: 65 Resp: 219319
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

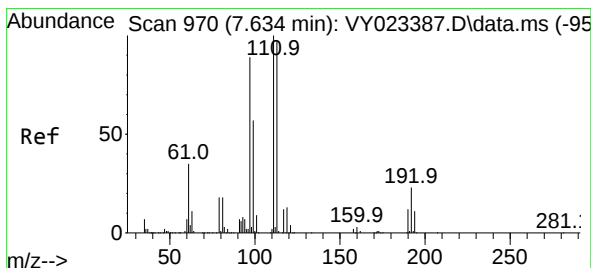
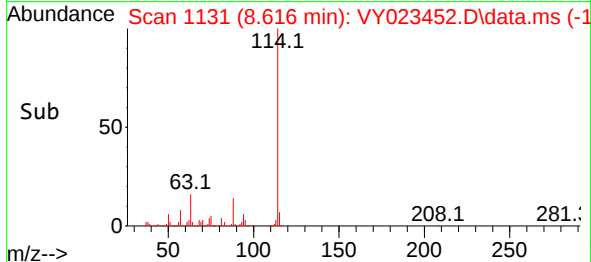
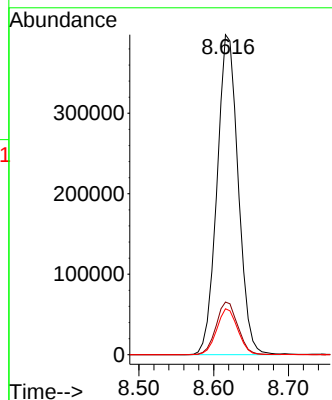
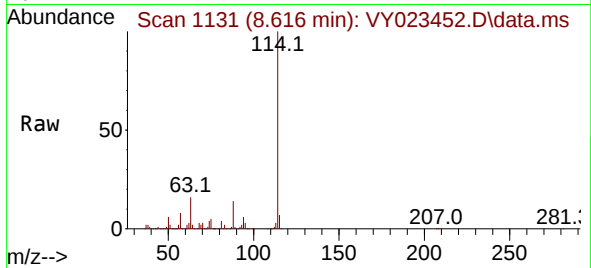




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

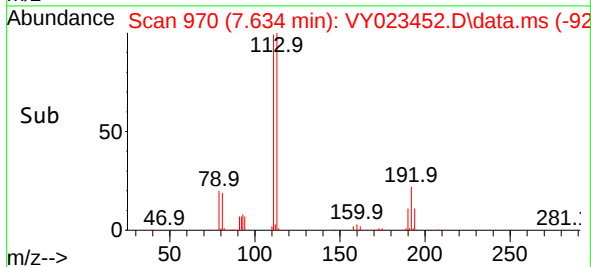
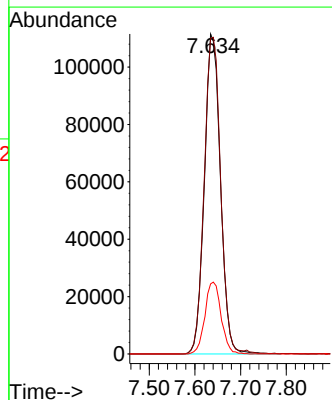
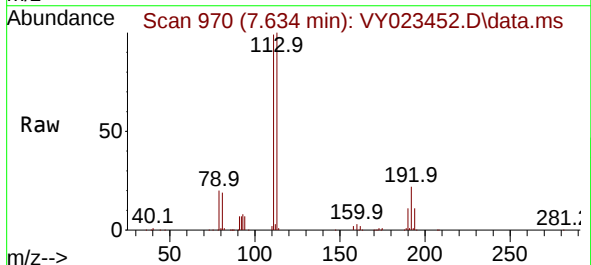
Instrument :
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ClientSampleId :
LAYDOWN-YARD-1

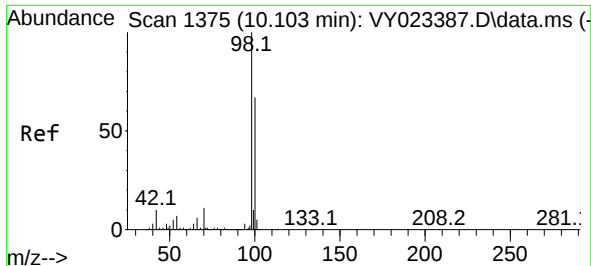
Tgt Ion:114 Resp: 784999
Ion Ratio Lower Upper
114 100
63 16.5 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 56.368 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion:113 Resp: 271886
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.7 18.0 27.0

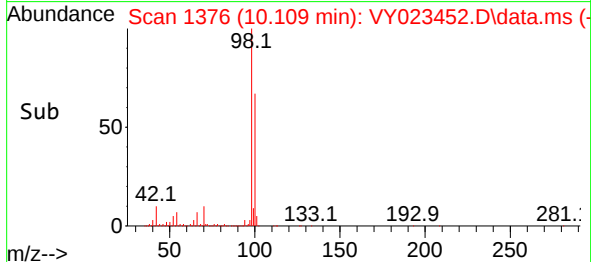
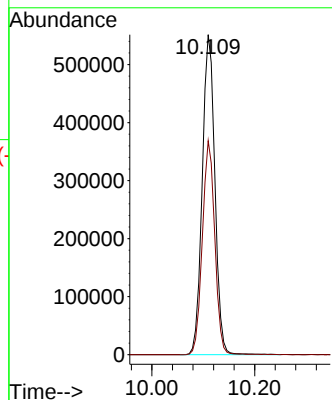
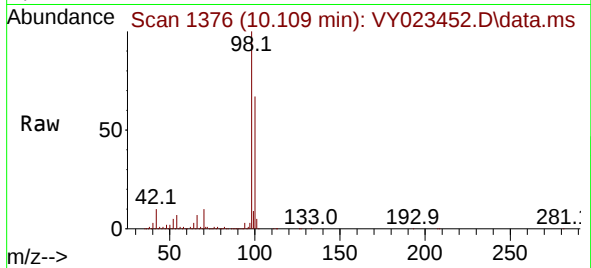




#50
Toluene-d8
Concen: 52.314 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

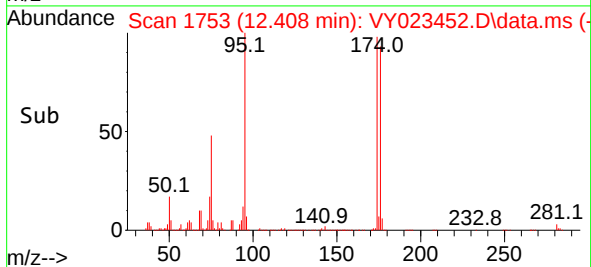
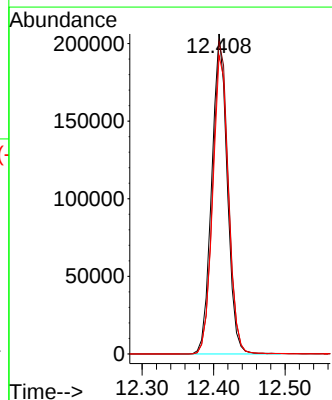
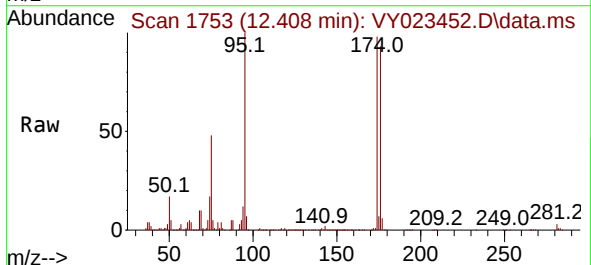
Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

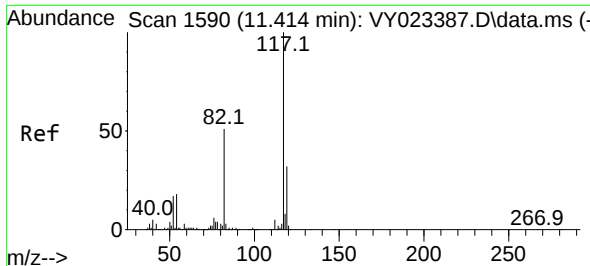
Tgt Ion: 98 Resp: 939722
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.226 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion: 95 Resp: 309723
Ion Ratio Lower Upper
95 100
174 98.7 0.0 192.8
176 94.6 0.0 187.6

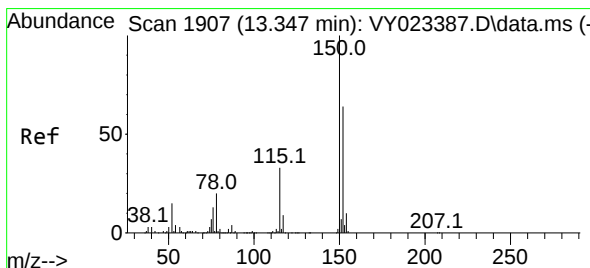
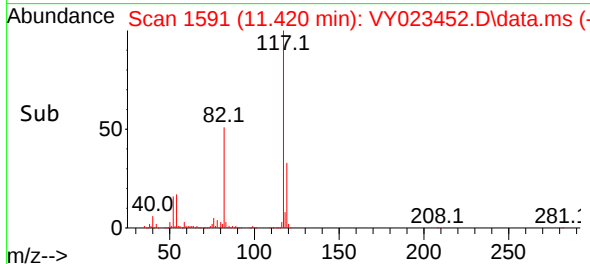
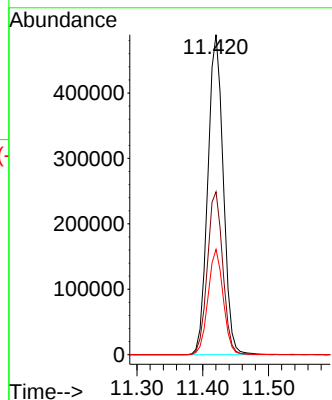
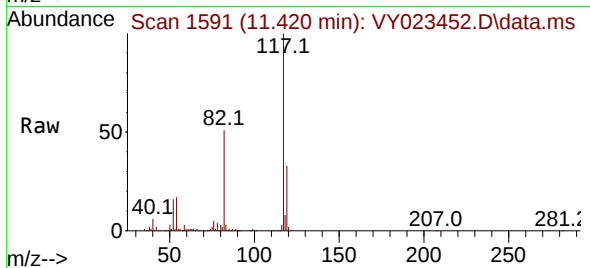




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Instrument :
MSVOA_Y
ClientSampleId :
LAYDOWN-YARD-1

Tgt Ion:117 Resp: 799657
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.4
119 32.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023452.D
Acq: 13 Oct 2025 15:05

Tgt Ion:152 Resp: 326953
Ion Ratio Lower Upper
152 100
115 54.0 27.1 81.2
150 157.0 0.0 347.4

