

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023643.D
 Acq On : 31 Oct 2025 14:38
 Operator : SY/MD
 Sample : Q3515-01
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-103125

Quant Time: Nov 01 03:23:38 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	805027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1334180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1062728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	373554	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333578	49.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.634	113	403097	49.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.340%
50) Toluene-d8	10.109	98	1487887	48.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.408	95	411333	40.809	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.620%

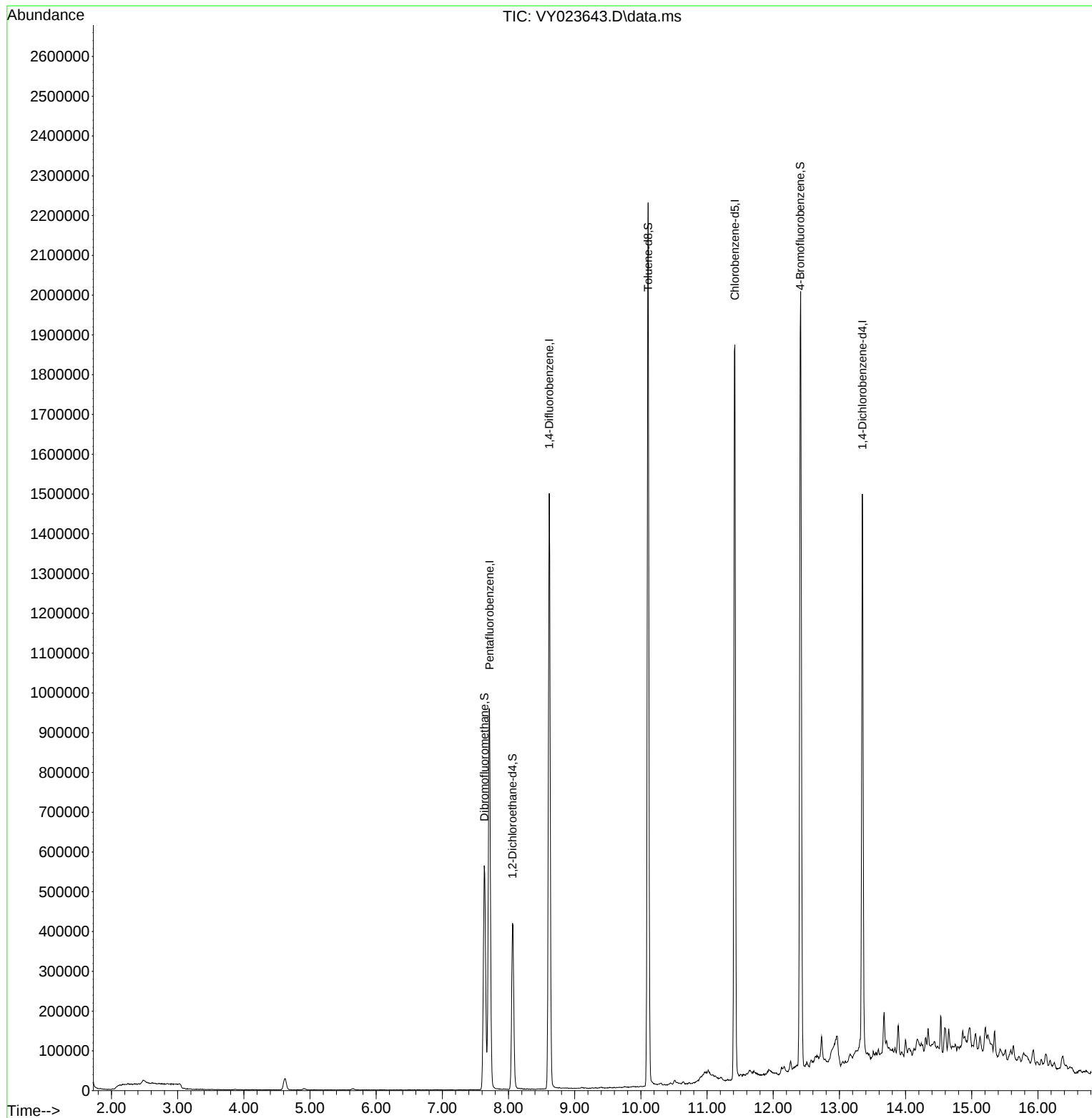
Target Compounds	Qvalue

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

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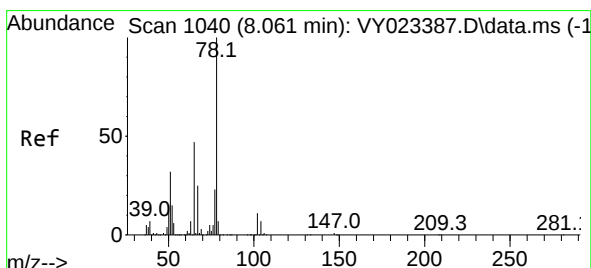
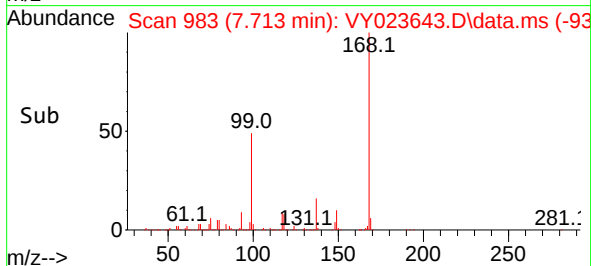
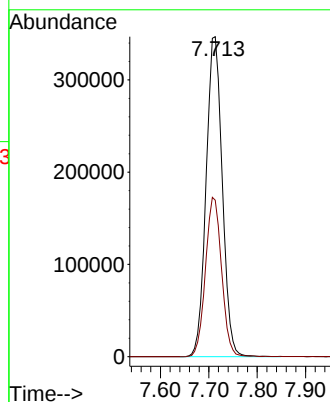
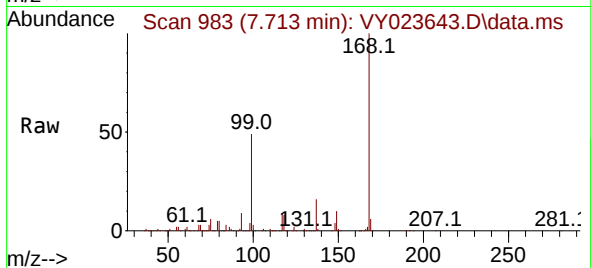




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

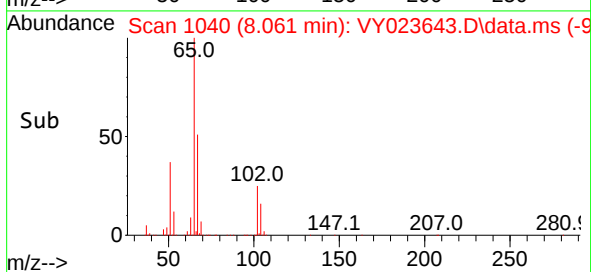
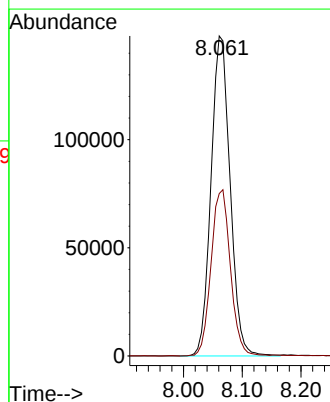
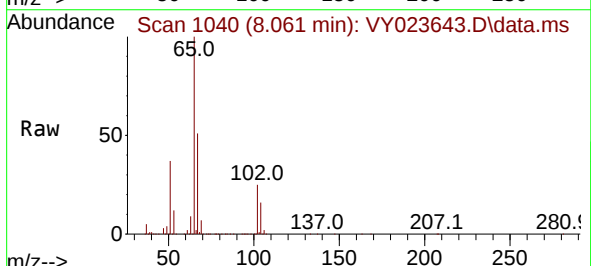
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-103125

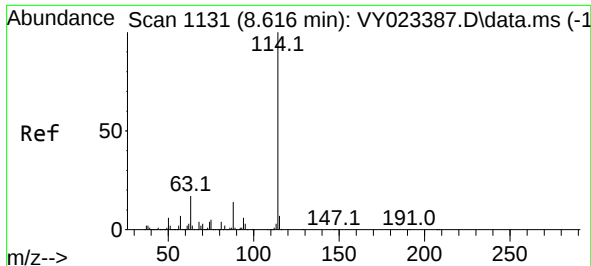
Tgt Ion:168 Resp: 805027
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 49.553 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion: 65 Resp: 333578
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

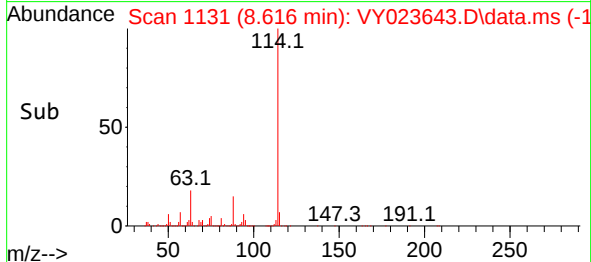
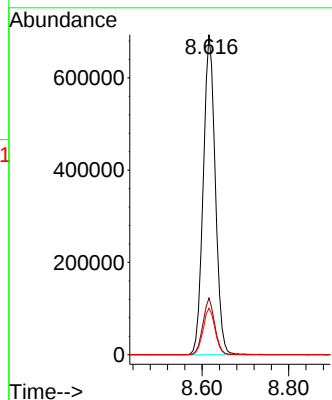
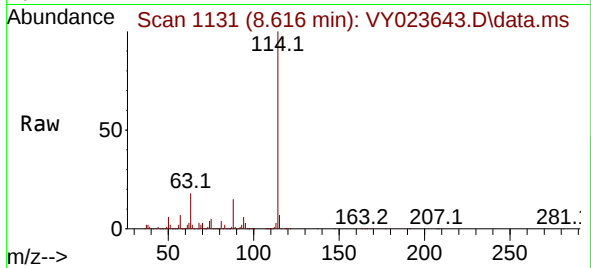




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

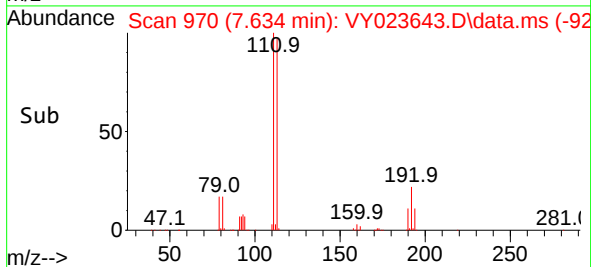
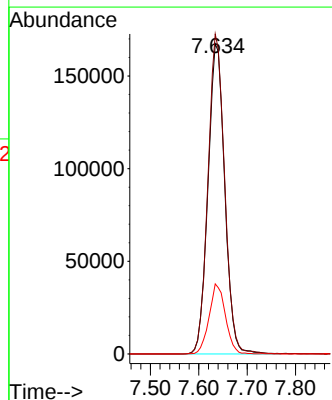
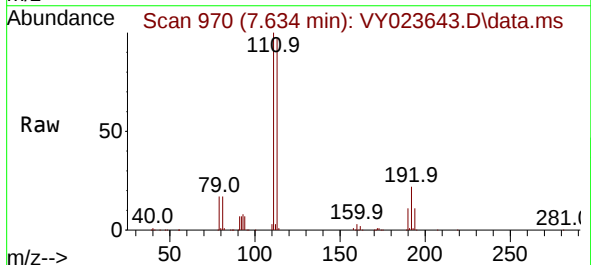
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-103125

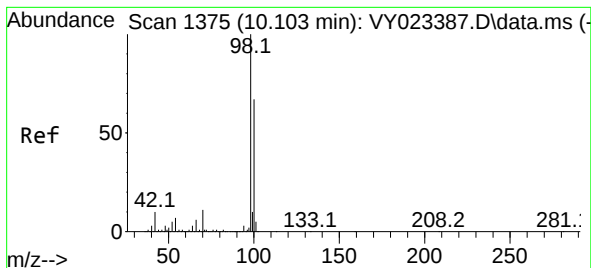
Tgt Ion:114 Resp: 1334180
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.171 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion:113 Resp: 403097
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.0 18.0 27.0





#50

Toluene-d8

Concen: 48.736 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023643.D

Acq: 31 Oct 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

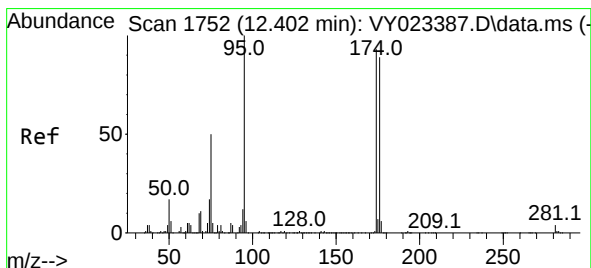
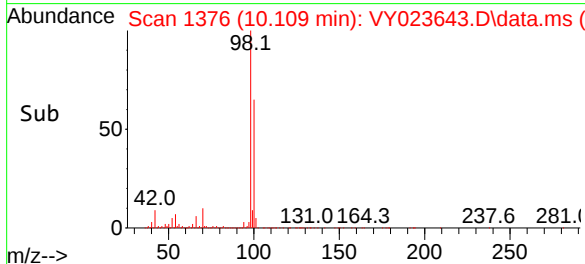
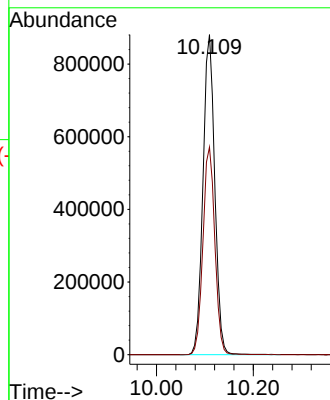
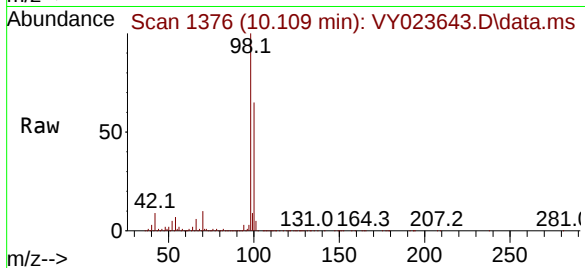
SU-04-103125

Tgt Ion: 98 Resp: 1487887

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 40.809 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023643.D

Acq: 31 Oct 2025 14:38

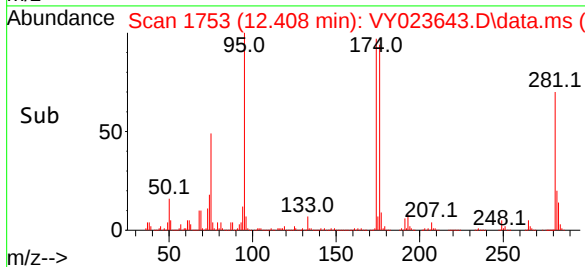
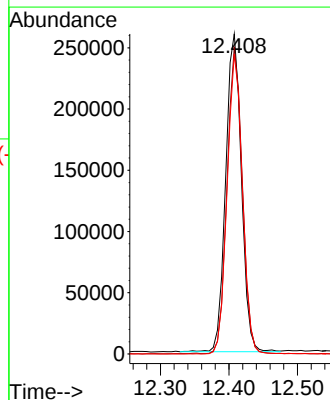
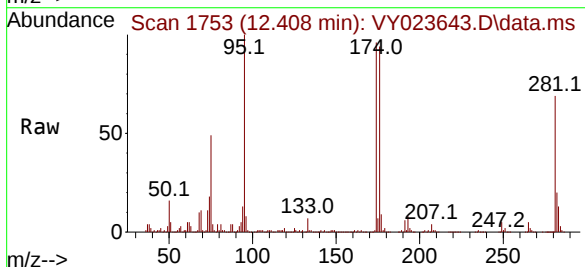
Tgt Ion: 95 Resp: 411333

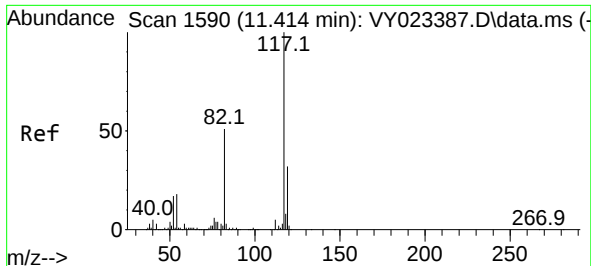
Ion Ratio Lower Upper

95 100

174 94.1 0.0 192.8

176 92.2 0.0 187.6

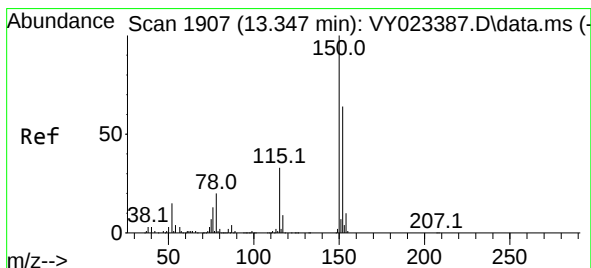
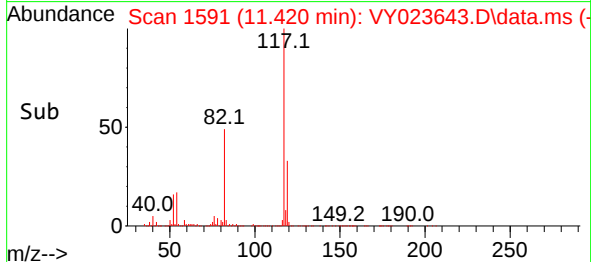
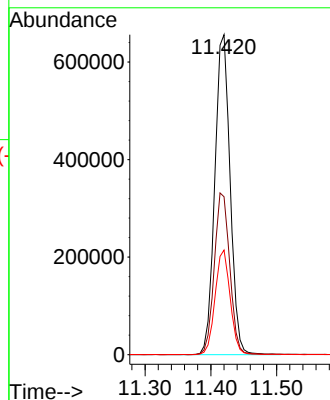
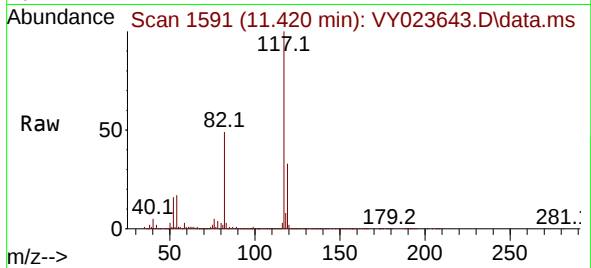




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-103125

Tgt Ion:117 Resp: 1062728
Ion Ratio Lower Upper
117 100
82 49.3 41.0 61.4
119 32.6 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: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion:152 Resp: 373554
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.2
150 157.5 0.0 347.4

