

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023147.D
 Acq On : 19 Aug 2025 13:41
 Operator : SY/MD
 Sample : Q2872-01RE
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL CUTTING 1-2 COMPRE

Quant Time: Aug 20 01:29:35 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	7.707	168	186121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	279097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	207137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	70929	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	75140	42.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.720%
35) Dibromofluoromethane	7.634	113	88471	52.976	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.960%
50) Toluene-d8	10.103	98	314670	48.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.402	95	72699	34.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.300%

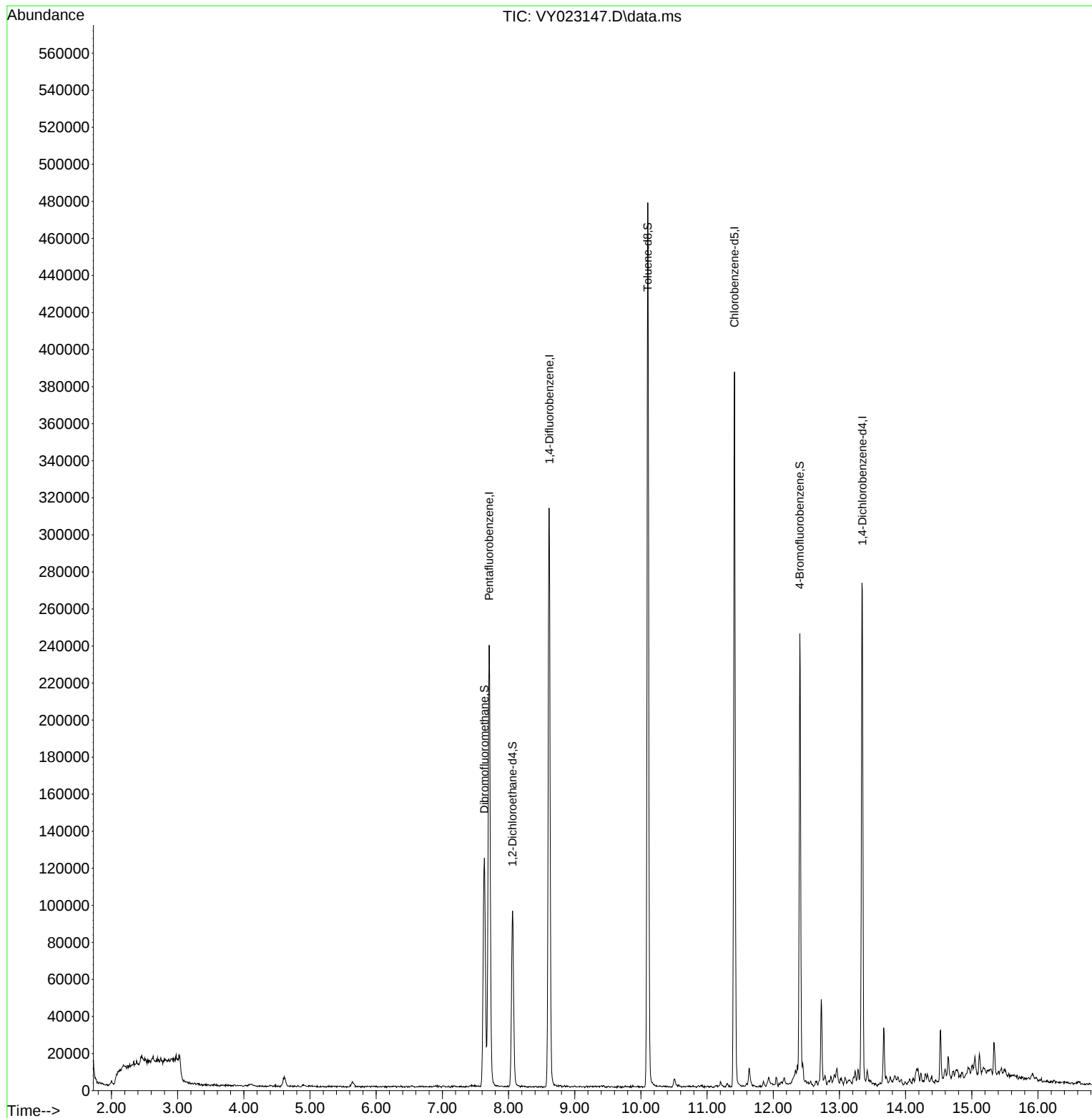
Target Compounds	Qvalue

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

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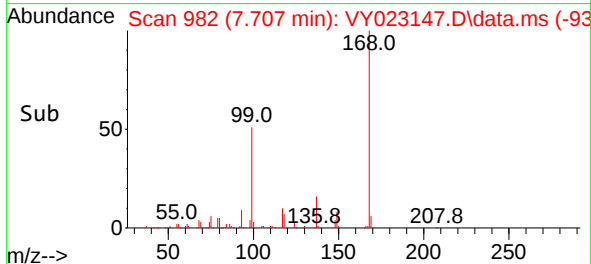
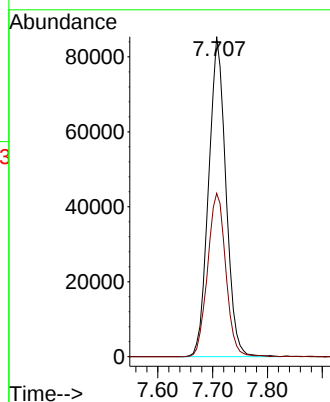
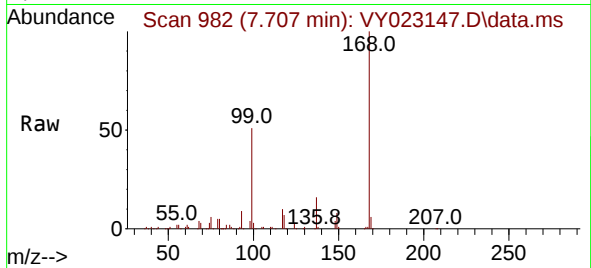




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

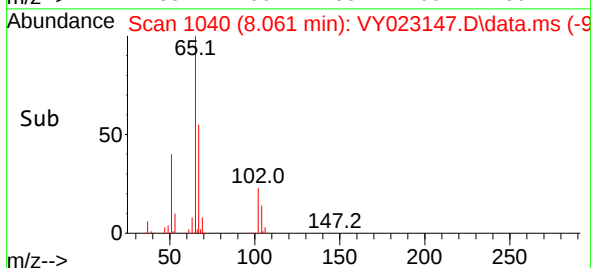
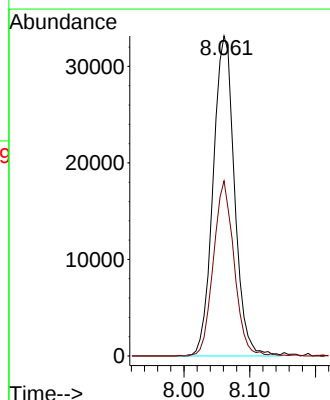
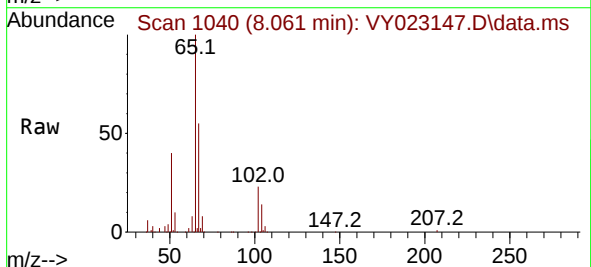
Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 1-2 COMPRE

Tgt Ion:168 Resp: 186121
Ion Ratio Lower Upper
168 100
99 51.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 42.360 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 65 Resp: 75140
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8

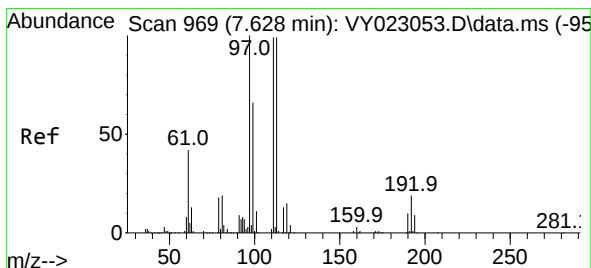
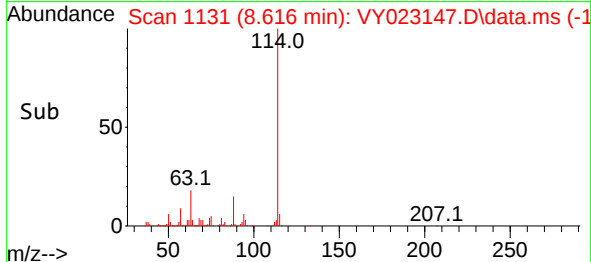
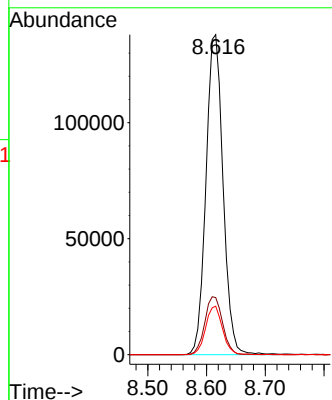
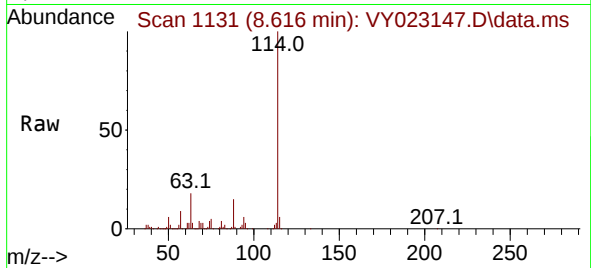




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

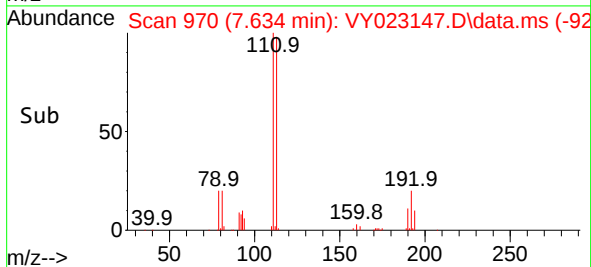
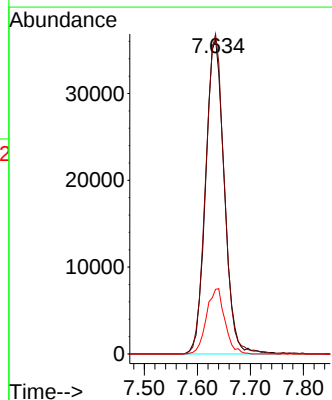
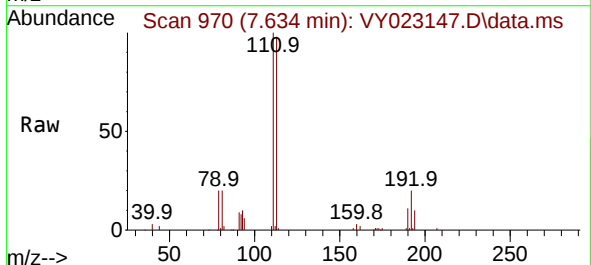
Instrument :
MSVOA_Y
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DRILL CUTTING 1-2 COMPRE

Tgt Ion:114 Resp: 279097
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.976 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

Tgt Ion:113 Resp: 88471
Ion Ratio Lower Upper
113 100
111 101.3 81.1 121.7
192 20.4 16.2 24.4

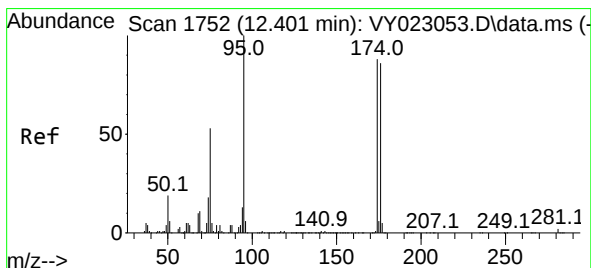
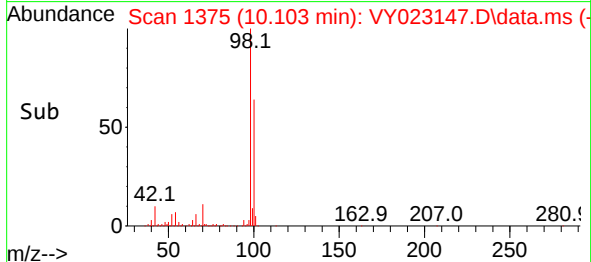
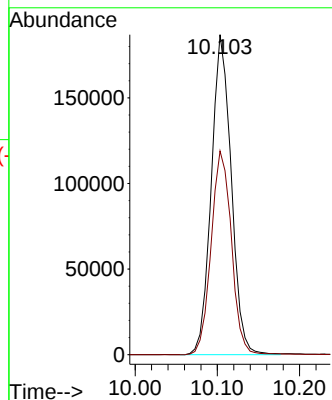
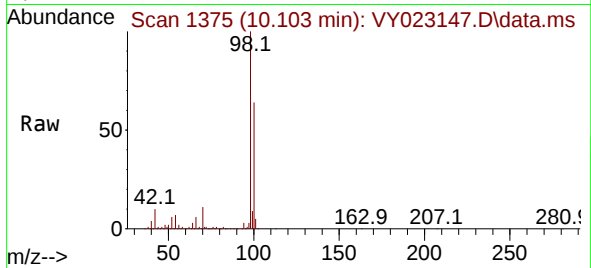




#50
Toluene-d8
Concen: 48.232 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

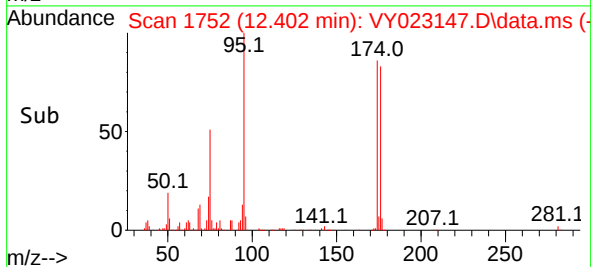
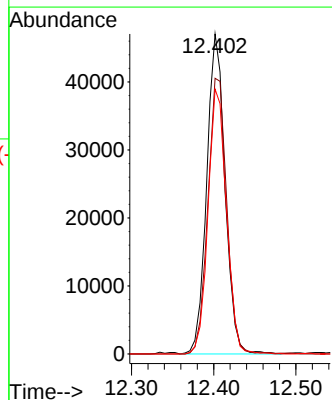
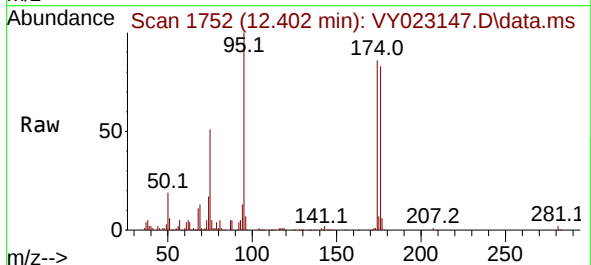
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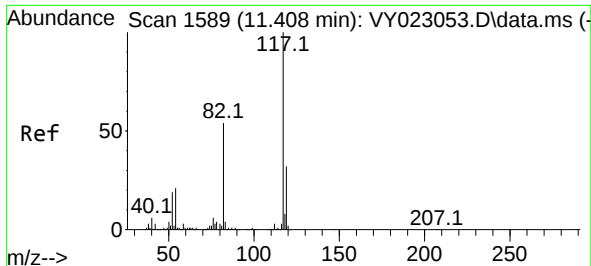
Tgt Ion: 98 Resp: 314670
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 34.649 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

Tgt Ion: 95 Resp: 72699
Ion Ratio Lower Upper
95 100
174 88.7 0.0 171.6
176 83.3 0.0 167.6

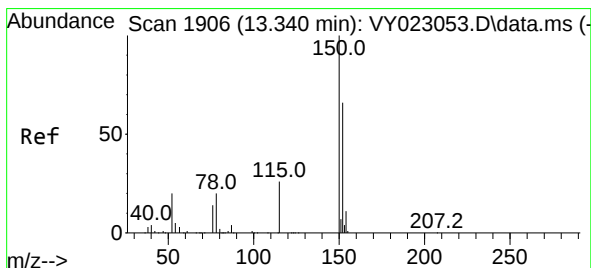
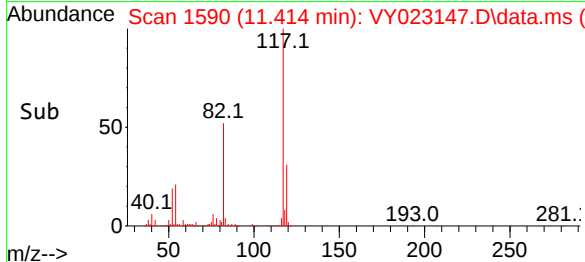
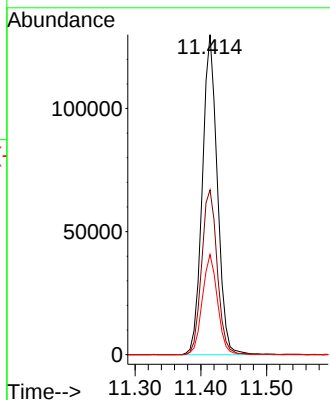
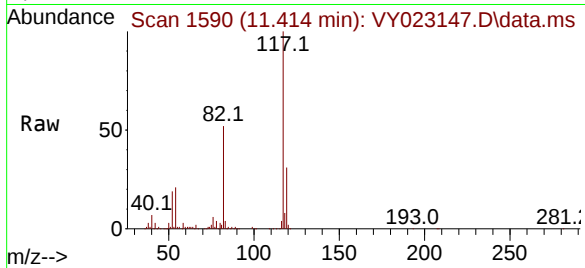




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 1-2 COMPRE

Tgt Ion:117 Resp: 207137
Ion Ratio Lower Upper
117 100
82 51.5 43.4 65.0
119 31.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023147.D
Acq: 19 Aug 2025 13:41

Tgt Ion:152 Resp: 70929
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.6
150 154.6 0.0 348.0

