

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023297.D
 Acq On : 05 Sep 2025 14:38
 Operator : SY/MD
 Sample : Q3031-01
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-09052025

Quant Time: Sep 06 01:56:23 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	591568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1122205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1023383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	423271	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310441	55.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.120%
35) Dibromofluoromethane	7.634	113	363845	54.185	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.360%
50) Toluene-d8	10.109	98	1334140	50.858	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.720%
62) 4-Bromofluorobenzene	12.407	95	402526	47.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.420%

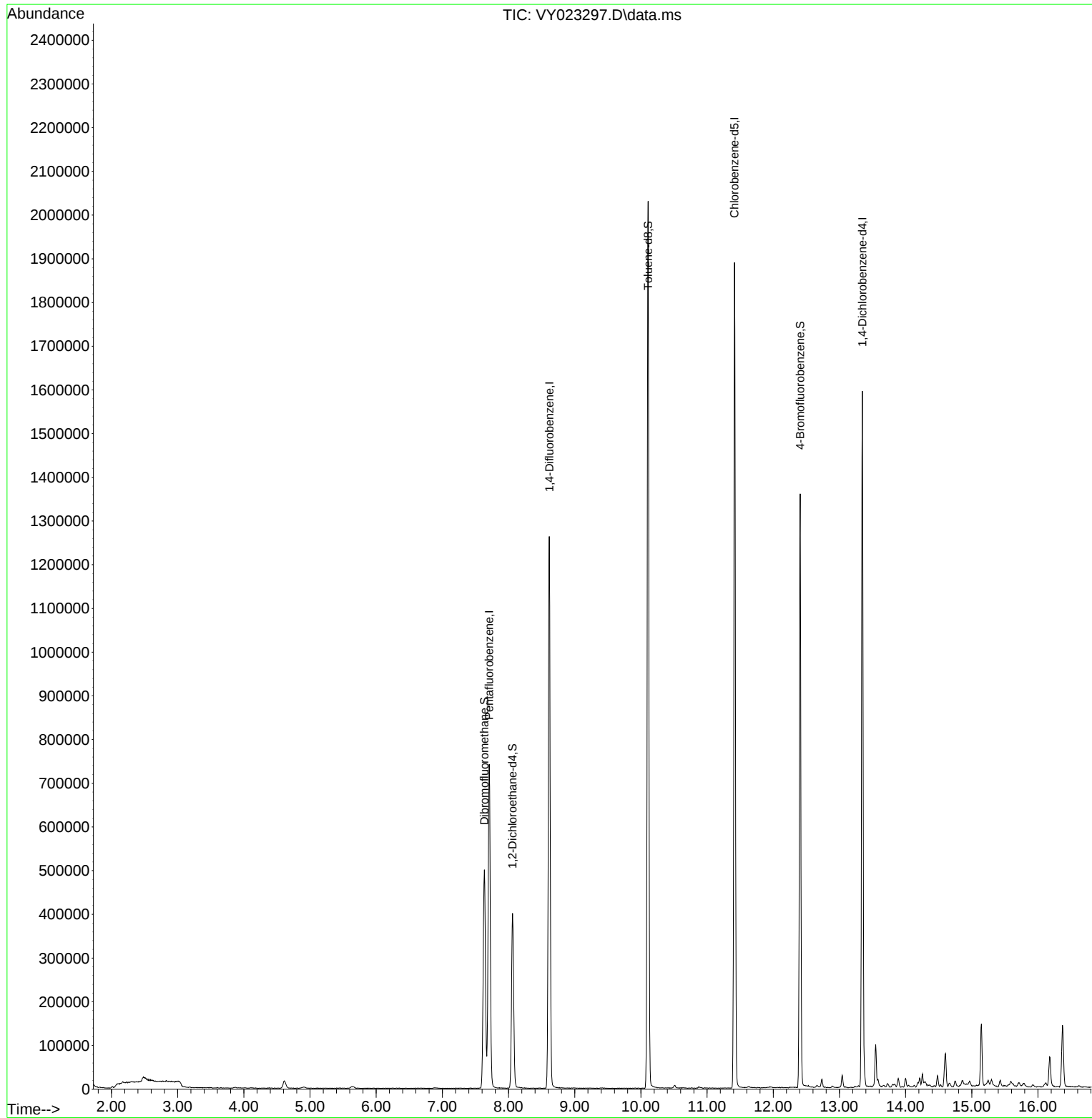
Target Compounds	Qvalue

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

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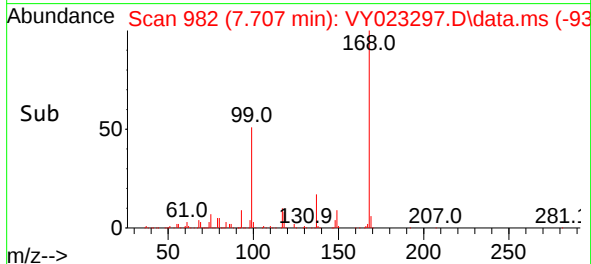
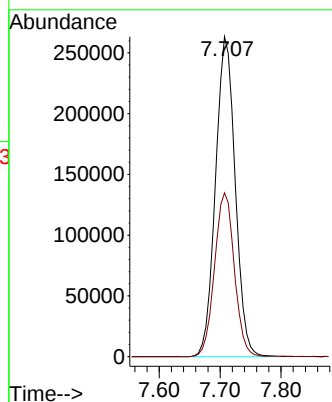
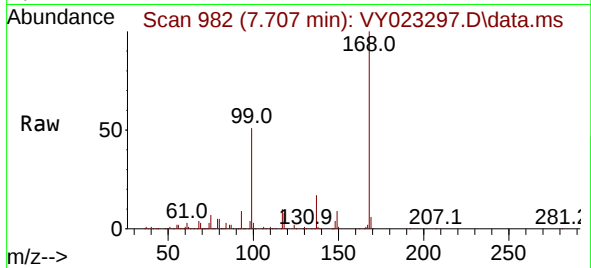




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

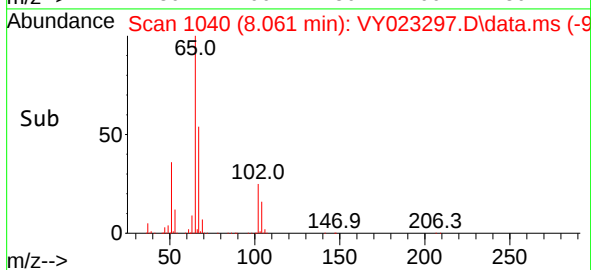
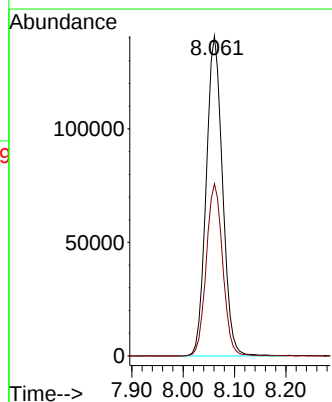
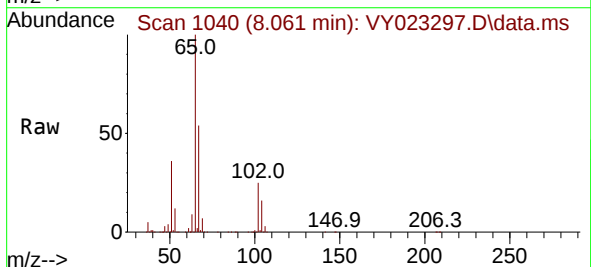
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09052025

Tgt Ion:168 Resp: 591568
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.062 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion: 65 Resp: 310441
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8

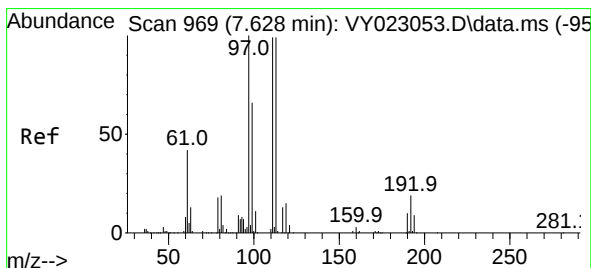
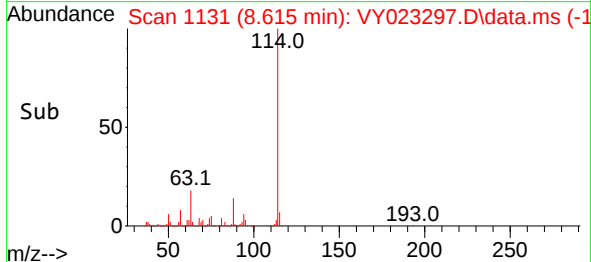
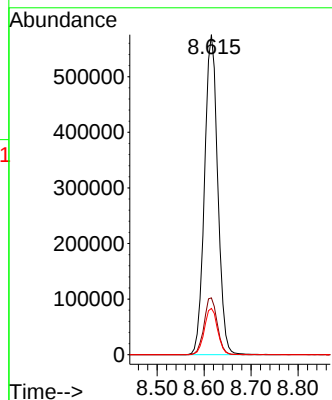
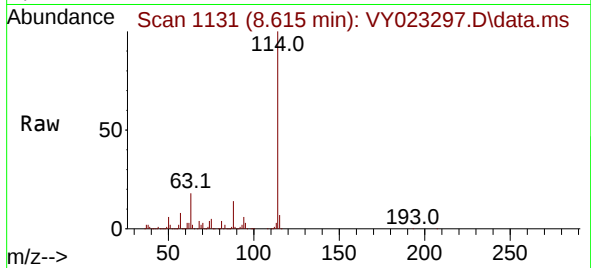




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

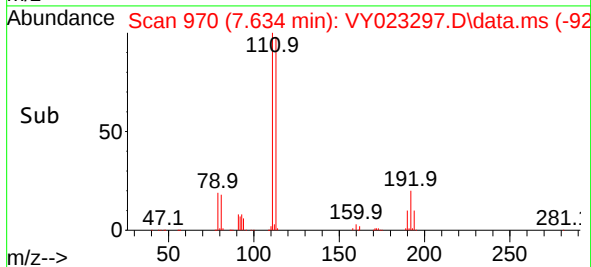
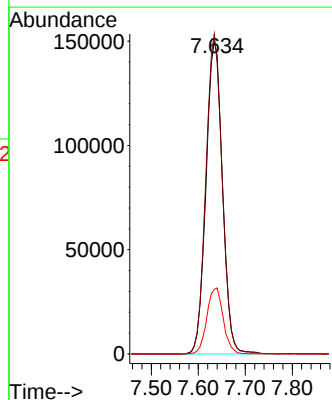
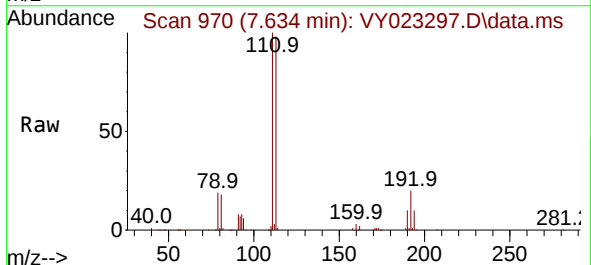
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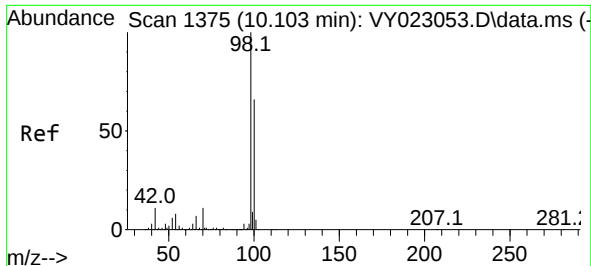
Tgt Ion:114 Resp: 1122205
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.185 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion:113 Resp: 363845
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 21.0 16.2 24.4

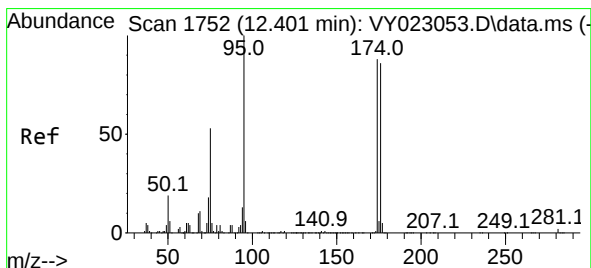
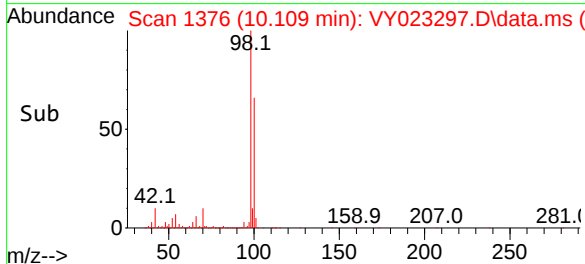
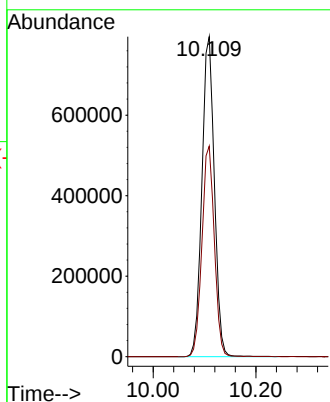
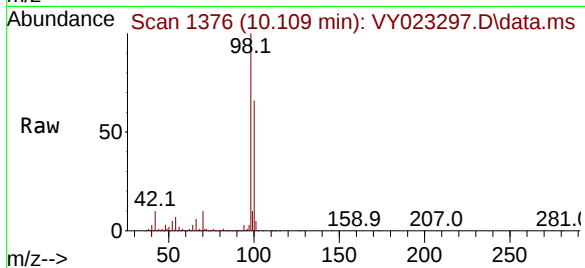




#50
Toluene-d8
Concen: 50.858 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

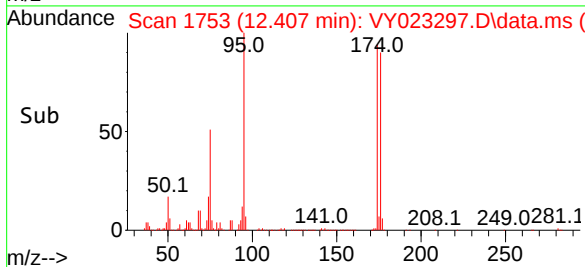
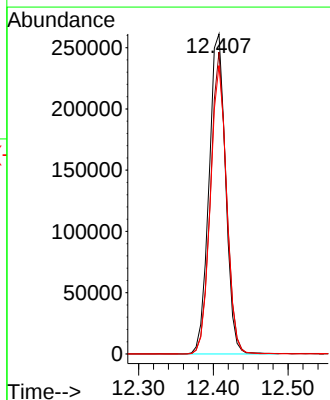
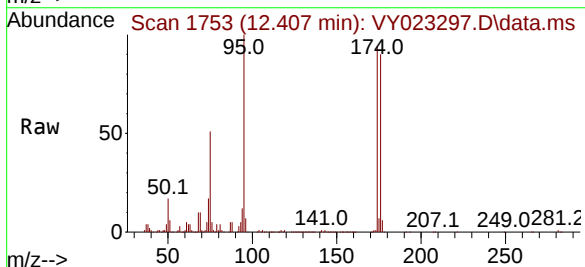
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09052025

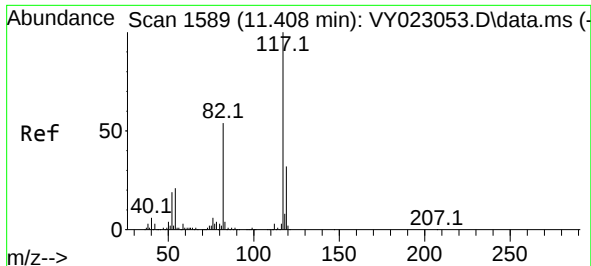
Tgt Ion: 98 Resp: 1334140
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.714 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion: 95 Resp: 402526
Ion Ratio Lower Upper
95 100
174 90.9 0.0 171.6
176 88.2 0.0 167.6

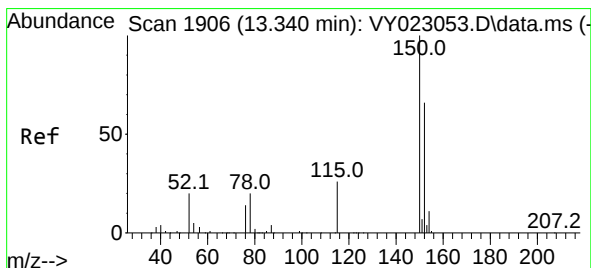
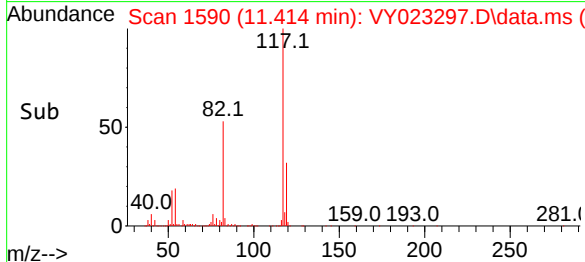
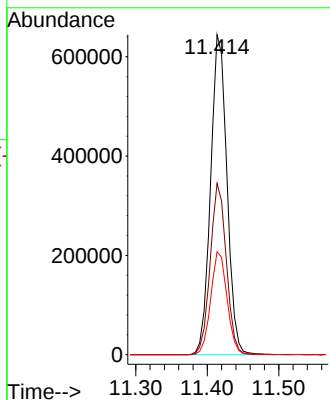
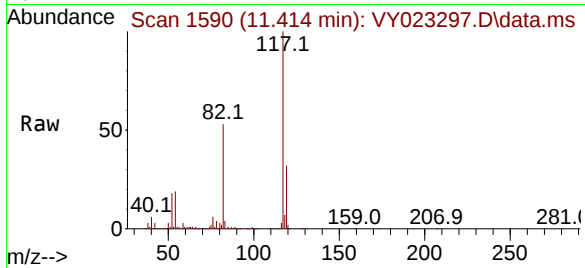




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09052025

Tgt Ion:117 Resp: 1023383
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.2 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: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion:152 Resp: 423271
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.6
150 155.3 0.0 348.0

