

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022129.D
 Acq On : 02 May 2025 15:14
 Operator : SY/MD
 Sample : Q1928-03
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-Q-VOC

Quant Time: May 03 02:51:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	297770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	535733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	468811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180684	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140573	51.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.220%
35) Dibromofluoromethane	7.634	113	176391	49.837	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.680%
50) Toluene-d8	10.103	98	627019	46.991	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.980%
62) 4-Bromofluorobenzene	12.401	95	184984	41.182	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.360%

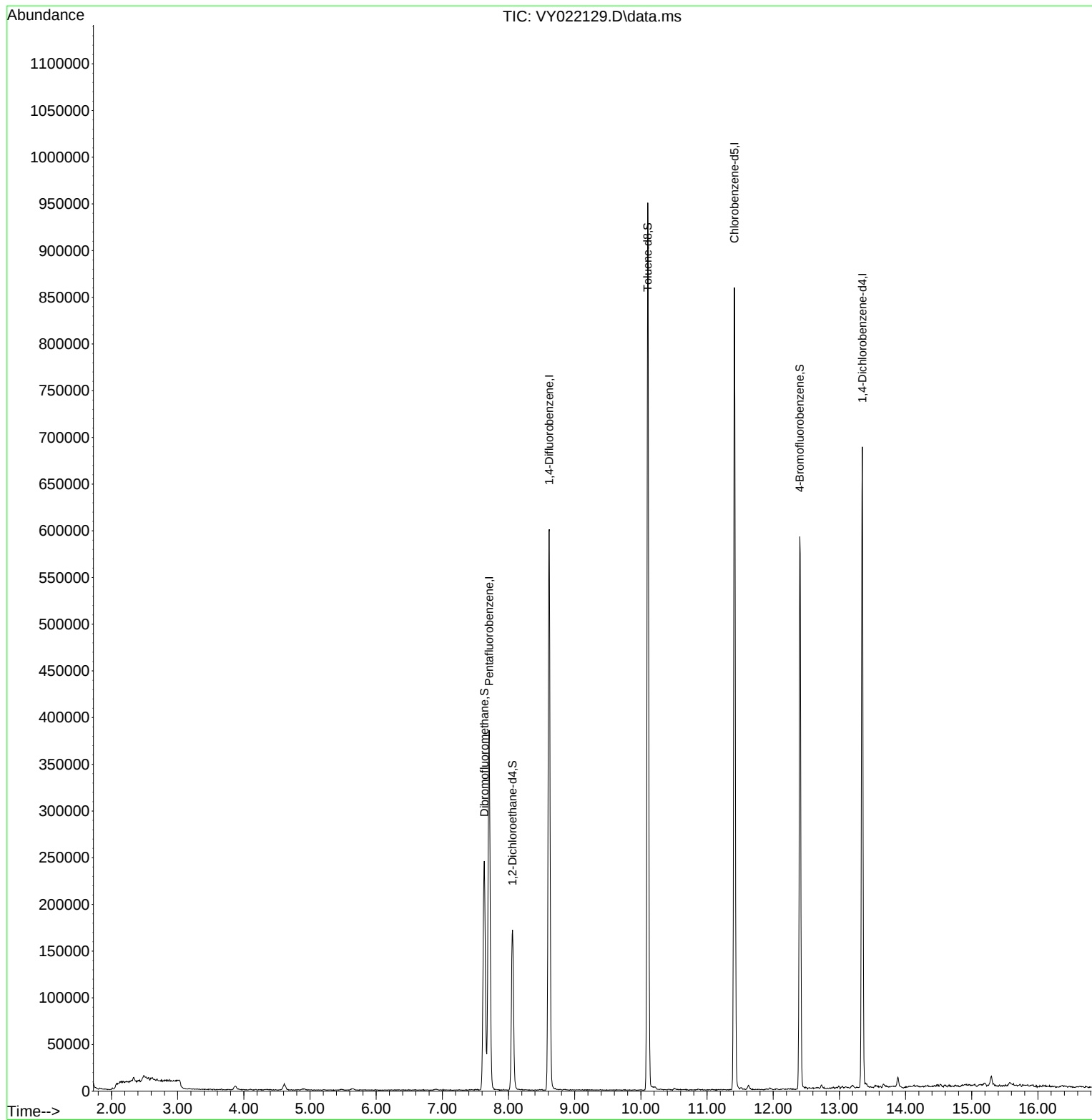
Target Compounds	Qvalue

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

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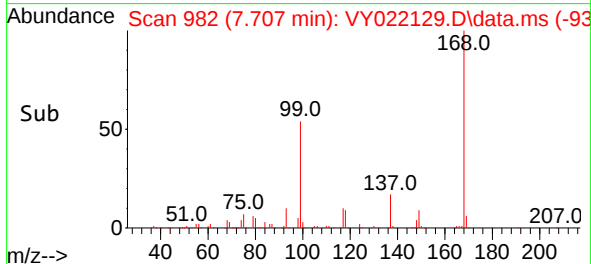
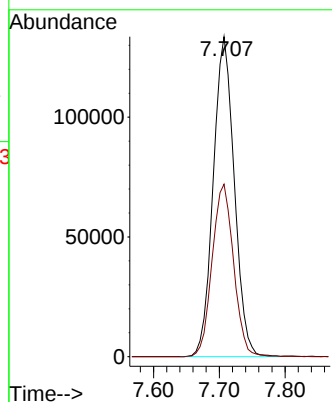
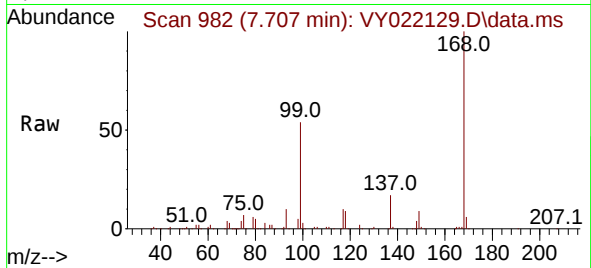




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

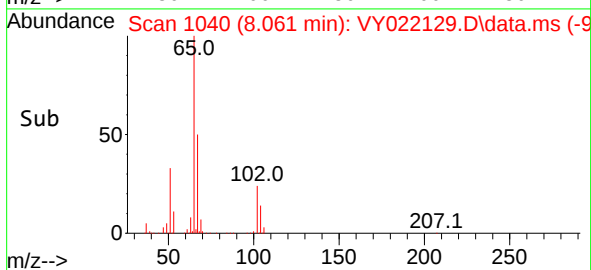
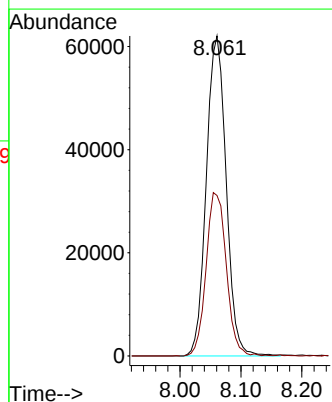
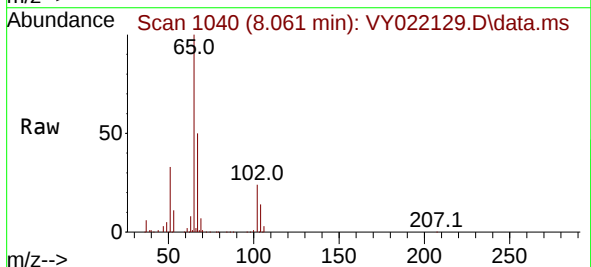
Instrument :
MSVOA_Y
ClientSampleId :
MH-Q-VOC

Tgt Ion:168 Resp: 297770
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 51.109 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

Tgt Ion: 65 Resp: 140573
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.8

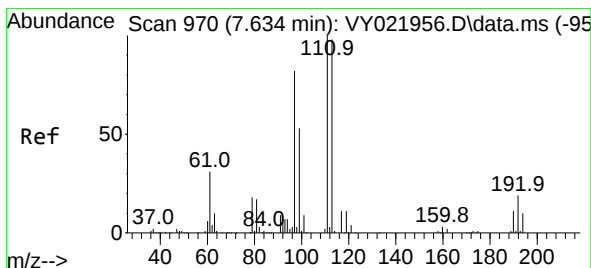
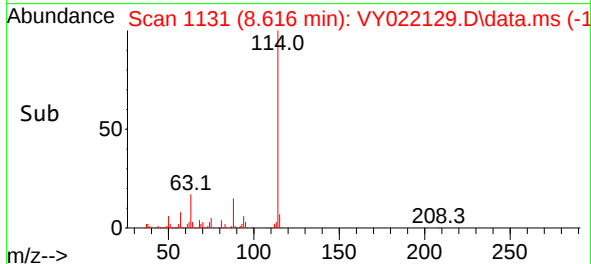
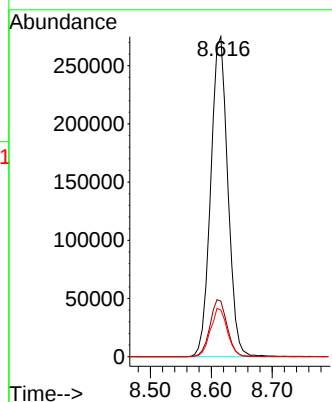
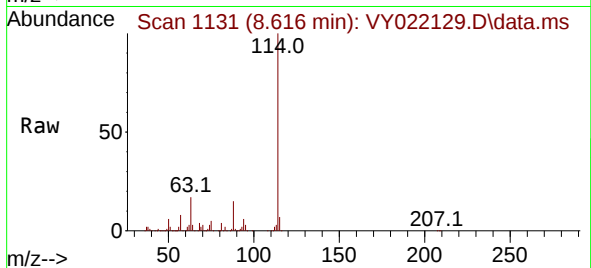




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

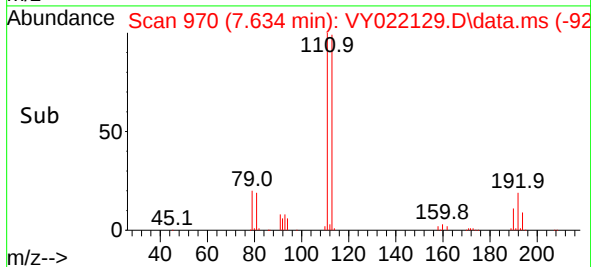
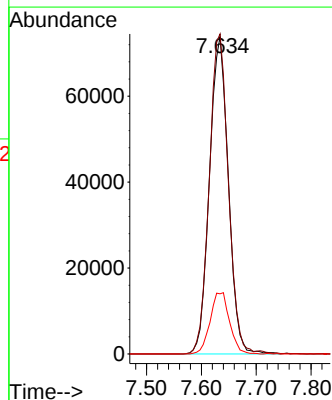
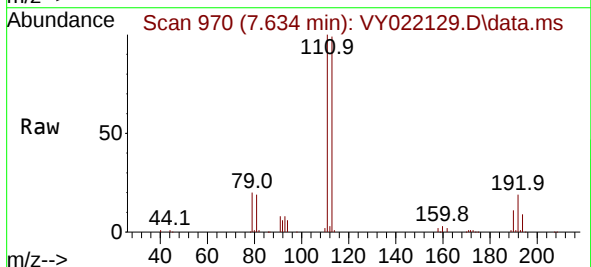
Instrument :
MSVOA_Y
ClientSampleId :
MH-Q-VOC

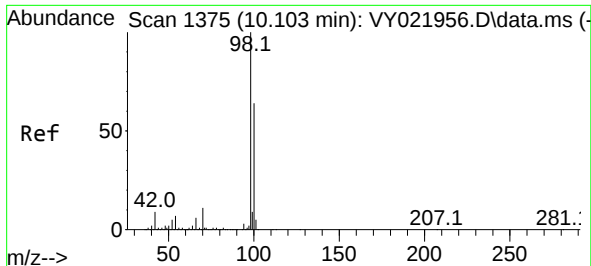
Tgt Ion:114 Resp: 535733
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.837 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

Tgt Ion:113 Resp: 176391
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 19.9 15.6 23.4

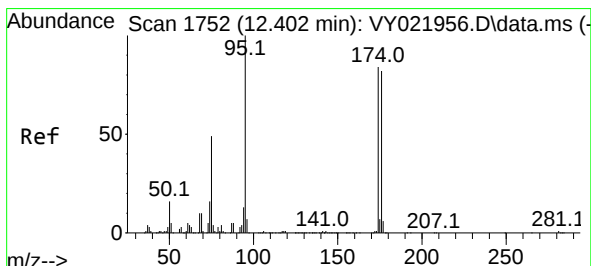
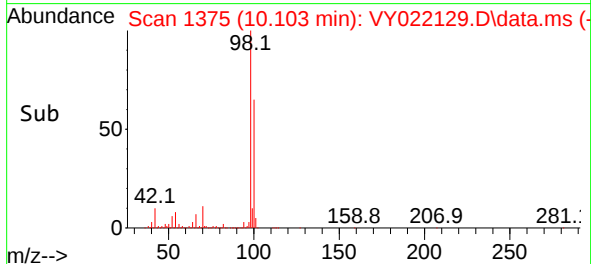
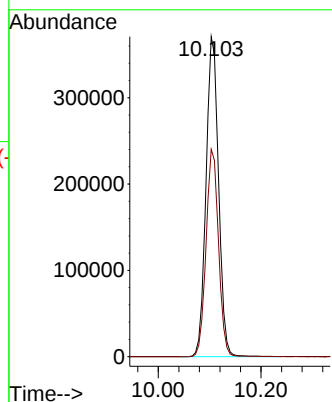
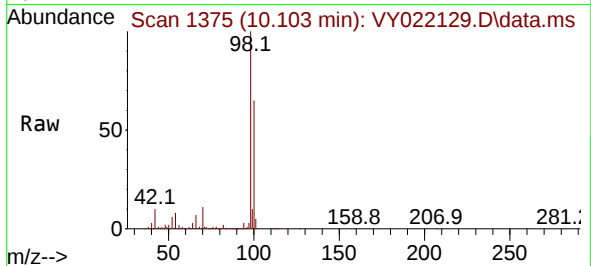




#50
Toluene-d8
Concen: 46.991 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

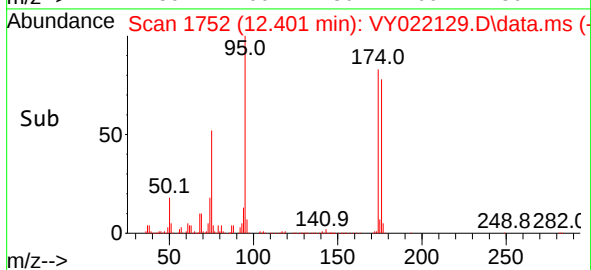
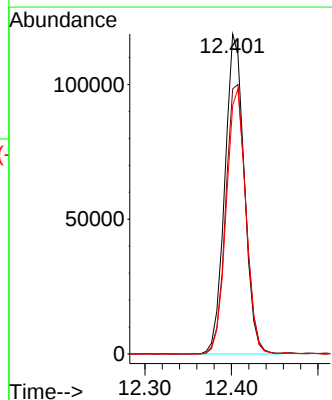
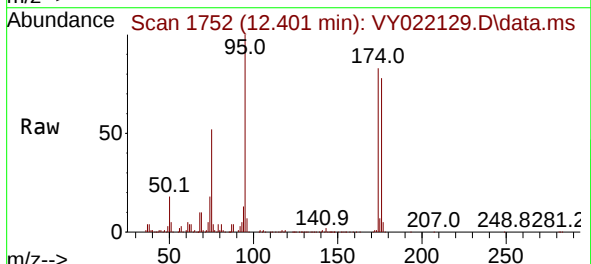
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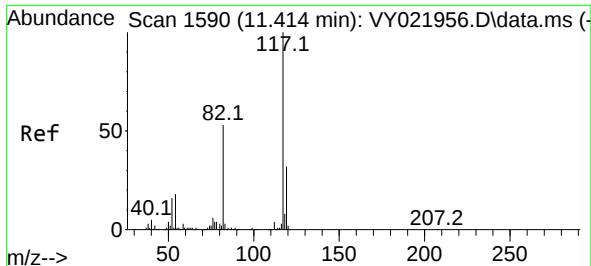
Tgt Ion: 98 Resp: 627019
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.182 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

Tgt Ion: 95 Resp: 184984
Ion Ratio Lower Upper
95 100
174 87.2 0.0 179.0
176 83.2 0.0 171.8

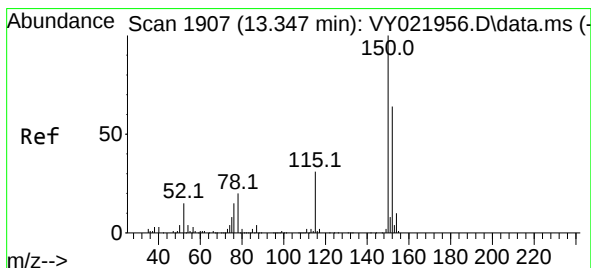
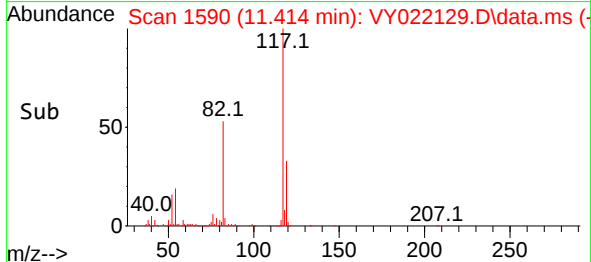
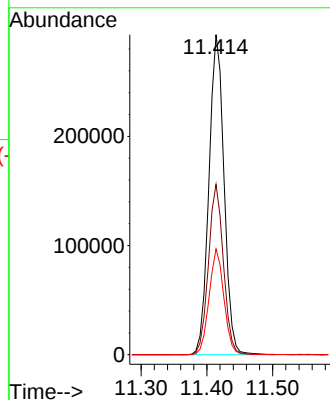
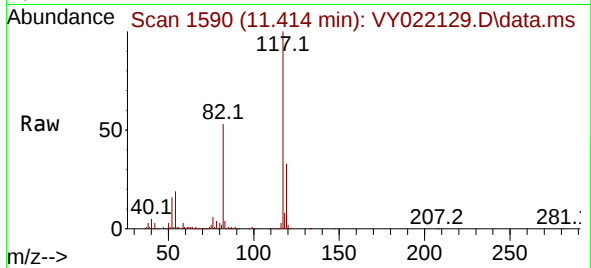




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

Instrument :
MSVOA_Y
ClientSampleId :
MH-Q-VOC

Tgt Ion:117 Resp: 468811
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 33.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022129.D
Acq: 02 May 2025 15:14

Tgt Ion:152 Resp: 180684
Ion Ratio Lower Upper
152 100
115 57.7 28.0 84.0
150 157.2 0.0 345.6

