

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023063.D
 Acq On : 13 Aug 2025 12:34
 Operator : SY/MD
 Sample : Q2831-02
 Misc : 3.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-238-VOC

Quant Time: Aug 14 01:22:31 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	7.701	168	537571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1031923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	874561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	350584	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	301353	58.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.640%
35) Dibromofluoromethane	7.628	113	335698	54.367	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.740%
50) Toluene-d8	10.103	98	1161177	48.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.402	95	357212	46.047	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.100%

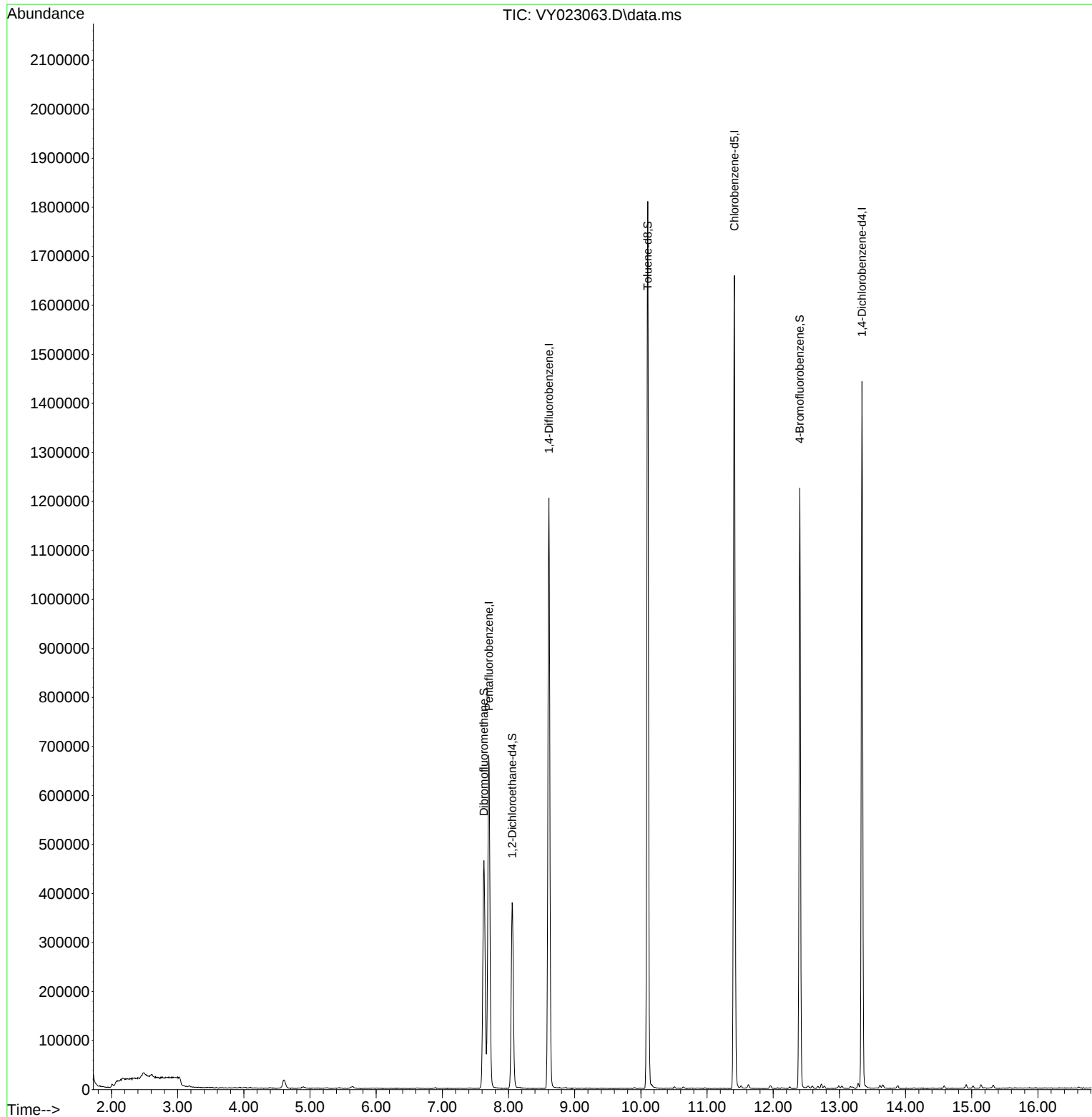
Target Compounds	Qvalue

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

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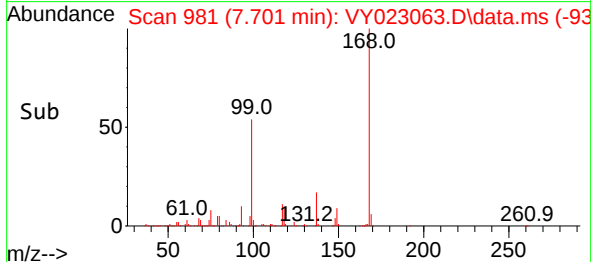
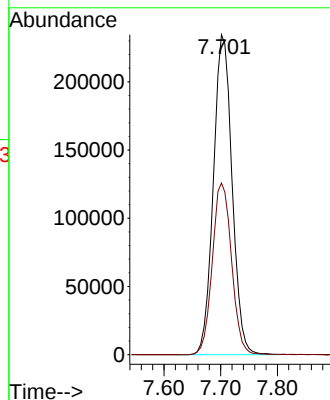
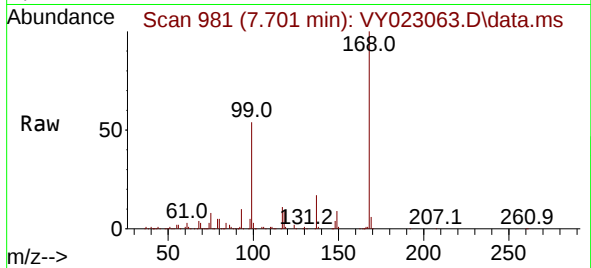




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

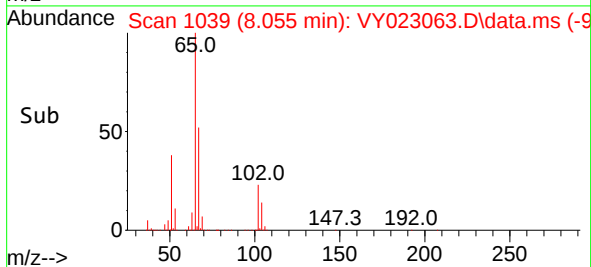
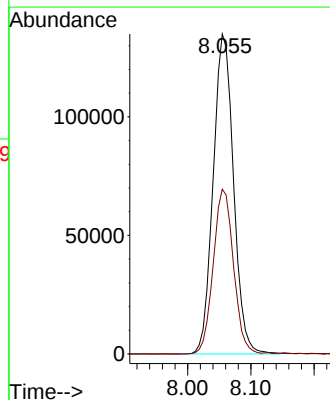
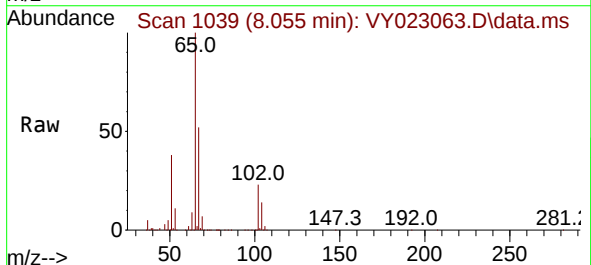
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238-VOC

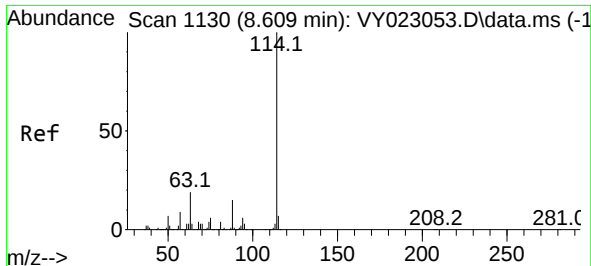
Tgt Ion:168 Resp: 537571
Ion Ratio Lower Upper
168 100
99 53.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.819 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion: 65 Resp: 301353
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.8

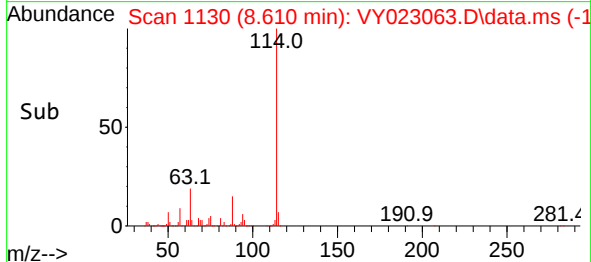
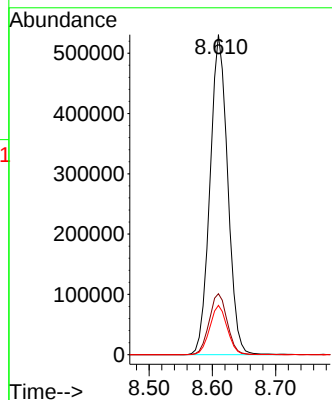
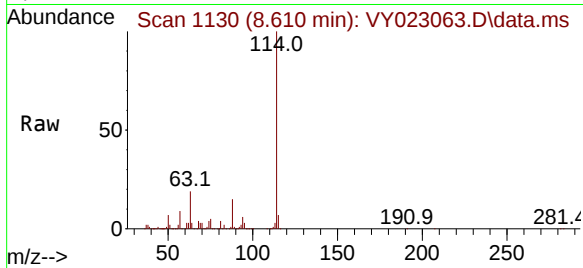




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

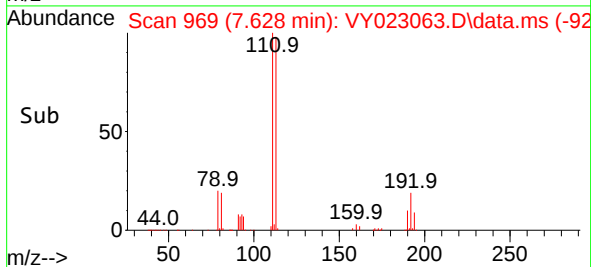
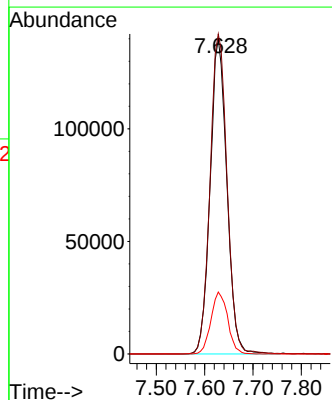
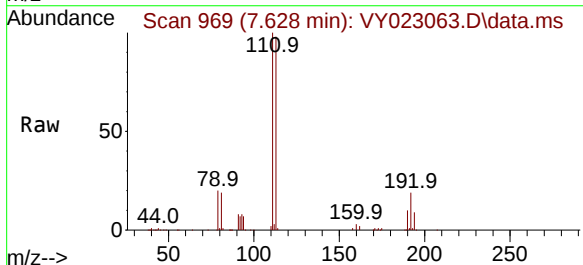
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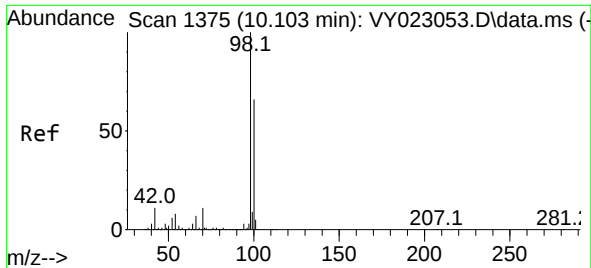
Tgt Ion:114 Resp: 1031923
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 15.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.367 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion:113 Resp: 335698
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 19.7 16.2 24.4

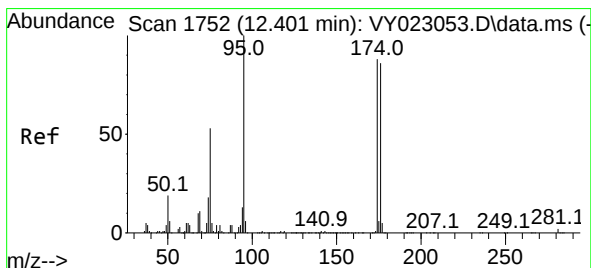
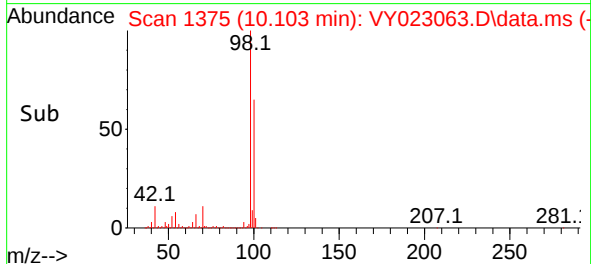
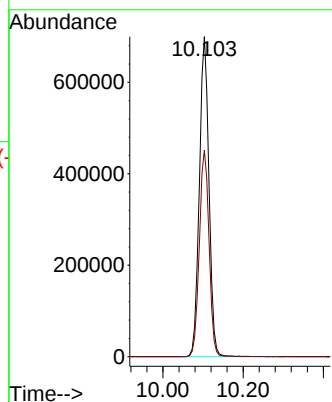
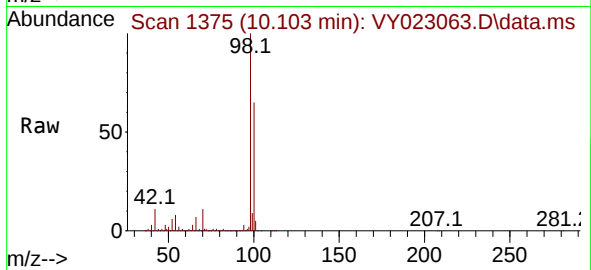




#50
Toluene-d8
Concen: 48.138 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

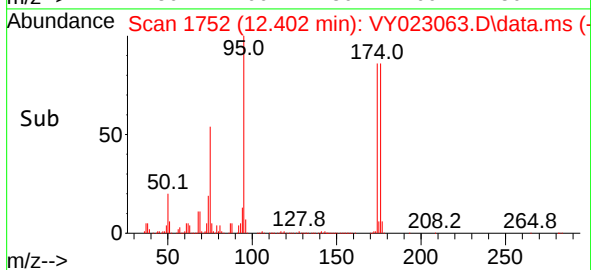
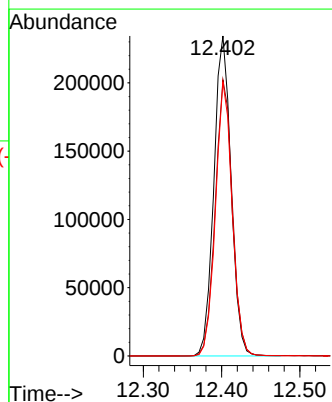
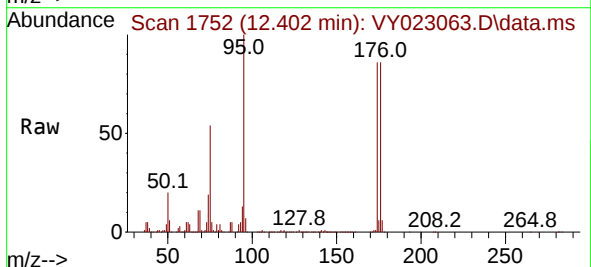
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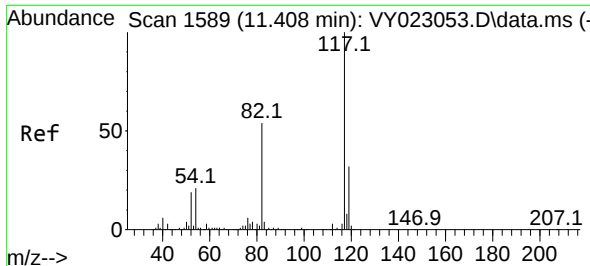
Tgt Ion: 98 Resp: 1161177
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.047 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion: 95 Resp: 357212
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.2 0.0 167.6

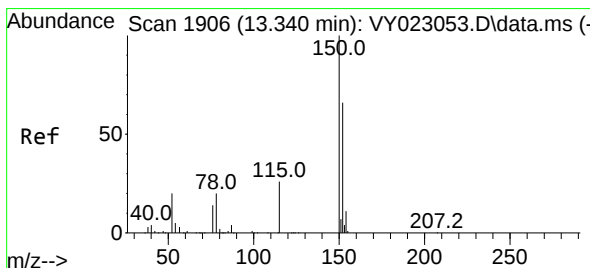
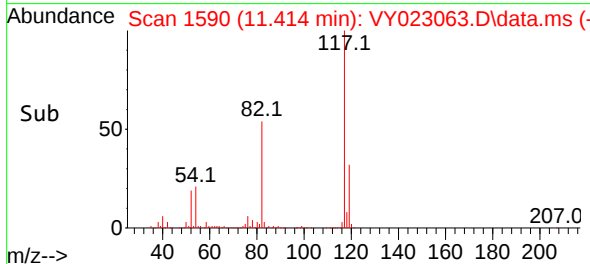
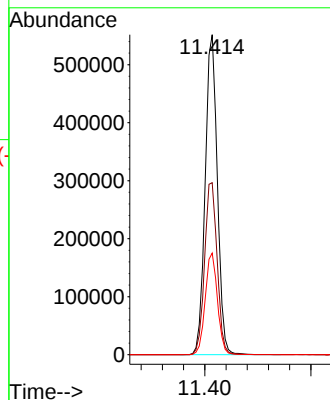
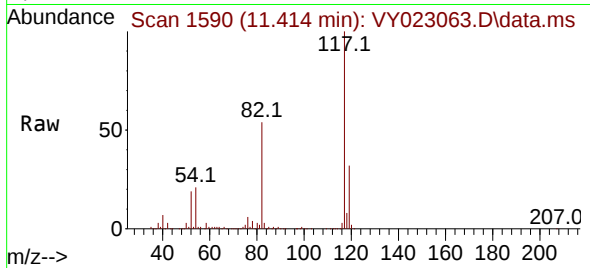




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238-VOC

Tgt Ion:117 Resp: 874561
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023063.D
Acq: 13 Aug 2025 12:34

Tgt Ion:152 Resp: 350584
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.6
150 158.5 0.0 348.0

