

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022546.D
 Acq On : 04 Jun 2025 13:26
 Operator : SY/MD
 Sample : Q2195-01
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-060325

Quant Time: Jun 05 04:14:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	27241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	42301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	28413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	7204	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12528	41.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.240%
35) Dibromofluoromethane	7.634	113	12584	49.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.680%
50) Toluene-d8	10.109	98	46049	45.137	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.280%
62) 4-Bromofluorobenzene	12.401	95	9563	31.460	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.920%

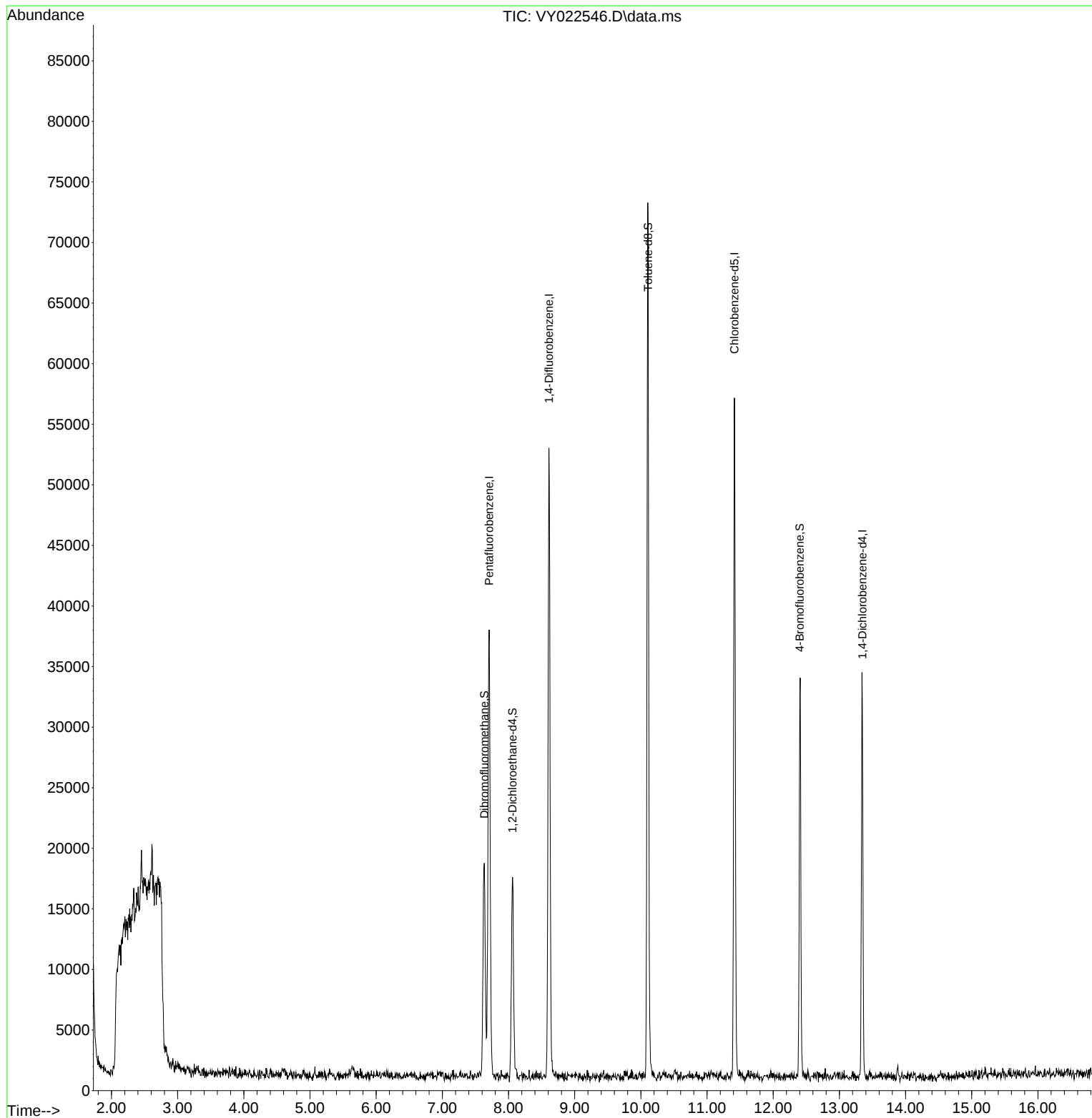
Target Compounds	Qvalue

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

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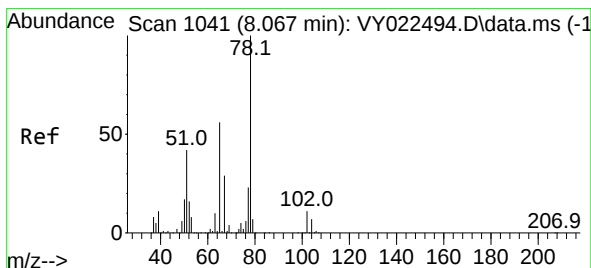
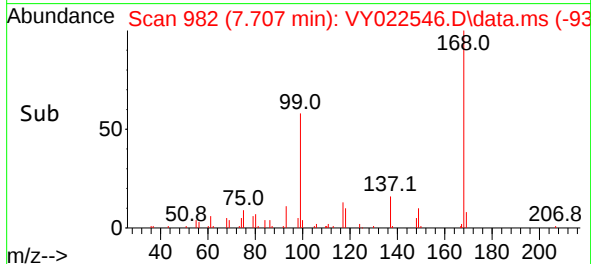
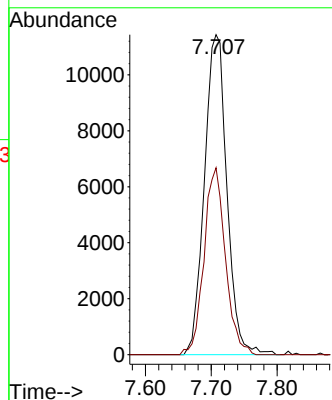
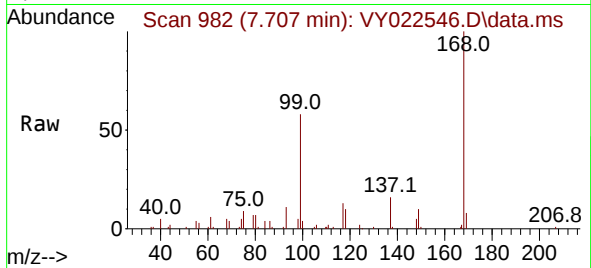




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

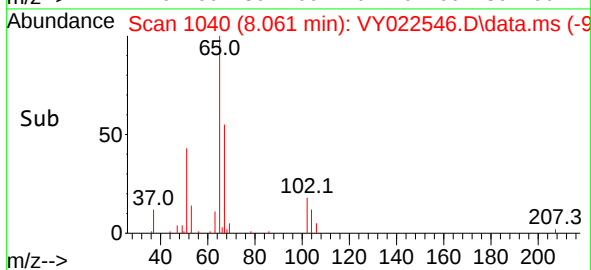
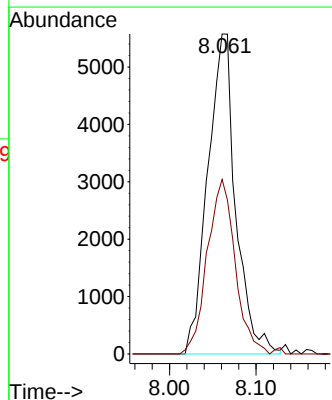
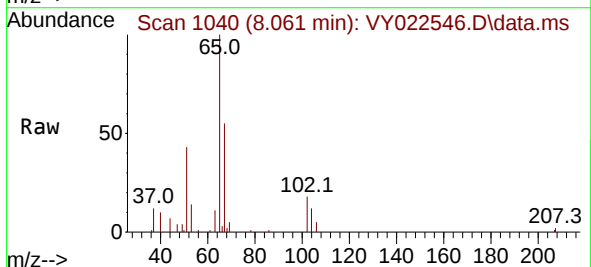
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-060325

Tgt Ion:168 Resp: 27241
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 41.119 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

Tgt Ion: 65 Resp: 12528
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.4

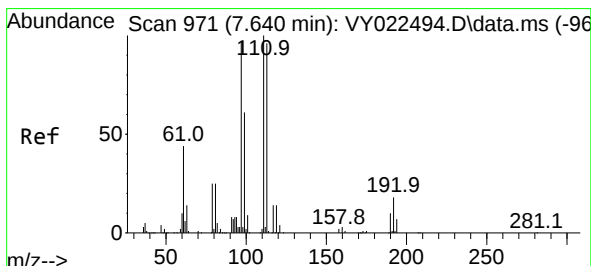
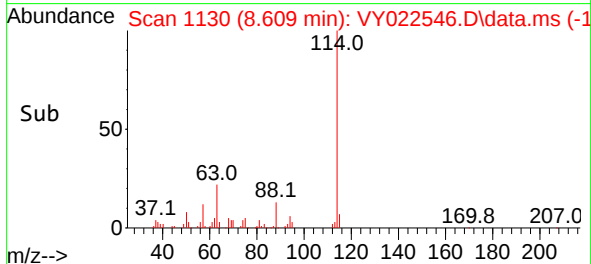
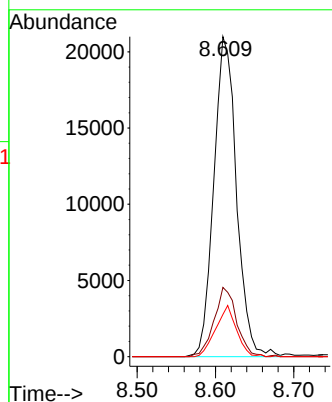
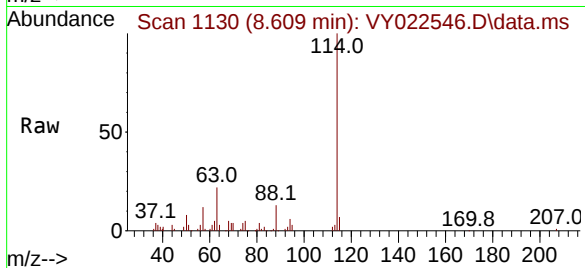




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

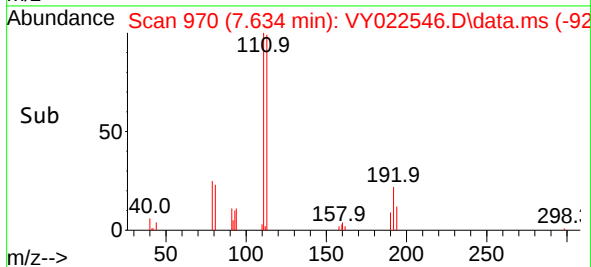
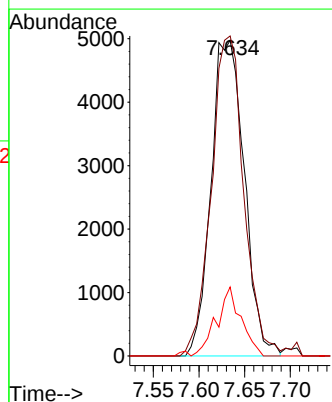
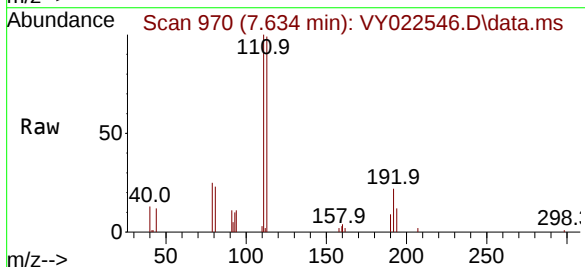
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-060325

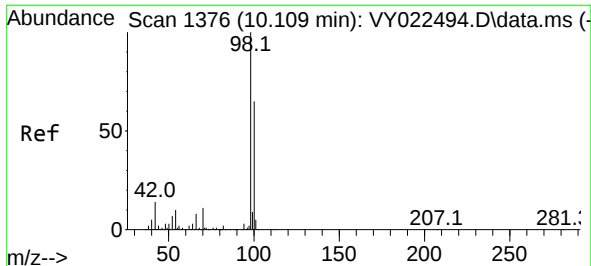
Tgt Ion:114 Resp: 42301
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 13.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.840 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

Tgt Ion:113 Resp: 12584
Ion Ratio Lower Upper
113 100
111 98.5 81.1 121.7
192 16.1 14.2 21.2

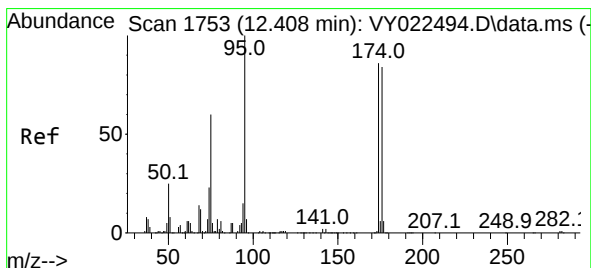
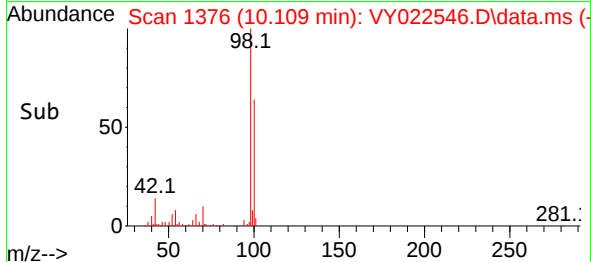
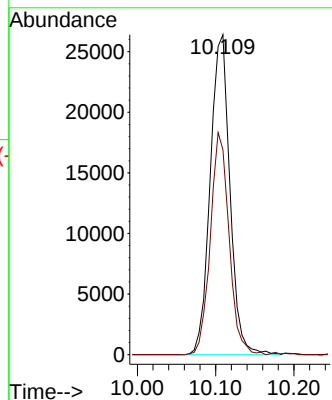
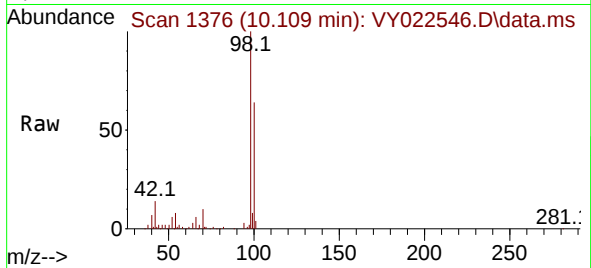




#50
Toluene-d8
Concen: 45.137 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

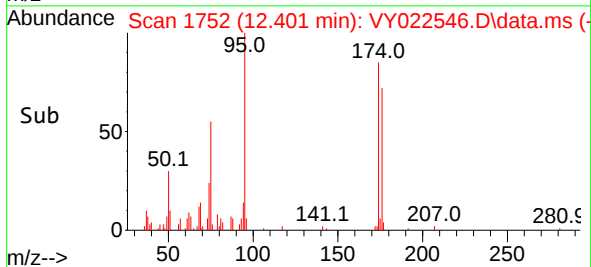
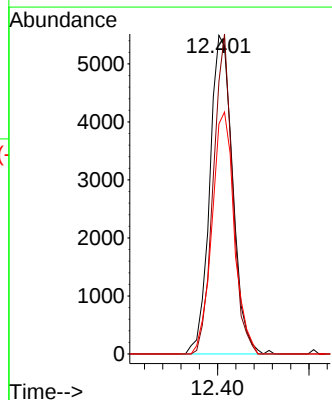
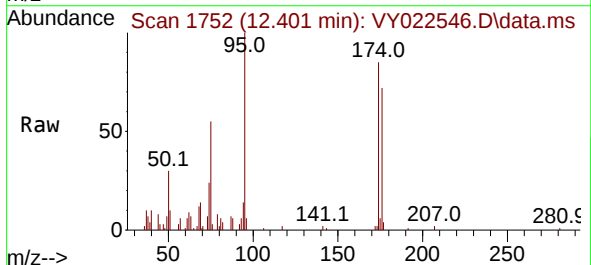
Instrument :
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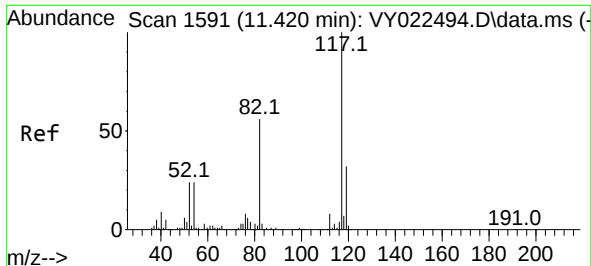
Tgt Ion: 98 Resp: 46049
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 31.460 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

Tgt Ion: 95 Resp: 9563
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 73.9 0.0 166.2

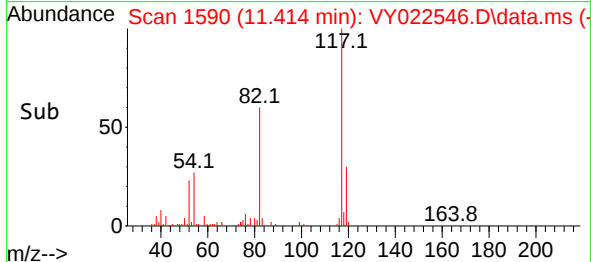
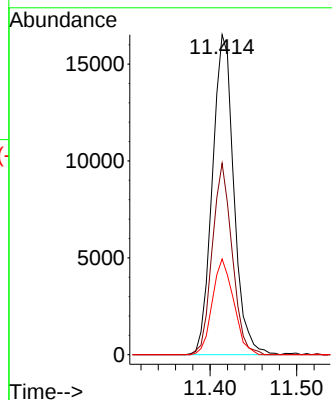
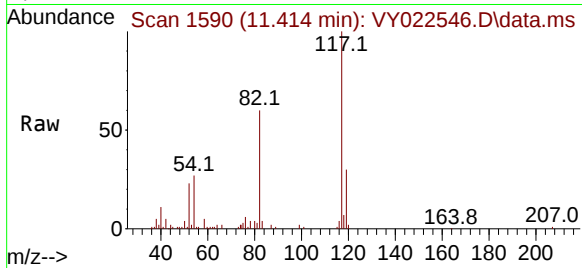




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-060325

Tgt Ion:117	Resp:	28413
Ion Ratio	Lower	Upper
117	100	
82	59.8	44.6 66.8
119	29.9	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022546.D
Acq: 04 Jun 2025 13:26

Tgt Ion:152	Resp:	7204
Ion Ratio	Lower	Upper
152	100	
115	65.0	28.9 86.7
150	156.9	0.0 349.6

