

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023173.D
 Acq On : 20 Aug 2025 14:11
 Operator : SY/MD
 Sample : Q2897-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-08182025RE

Quant Time: Aug 21 01:39:04 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	7.713	168	17011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	21318	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.420	117	7805	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.340	152	1406	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	4309	26.578	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	53.160%
35) Dibromofluoromethane	7.634	113	4428	34.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	69.420%
50) Toluene-d8	10.109	98	19010	38.148	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.300%
62) 4-Bromofluorobenzene	12.401	95	1348	8.411	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	16.820%#

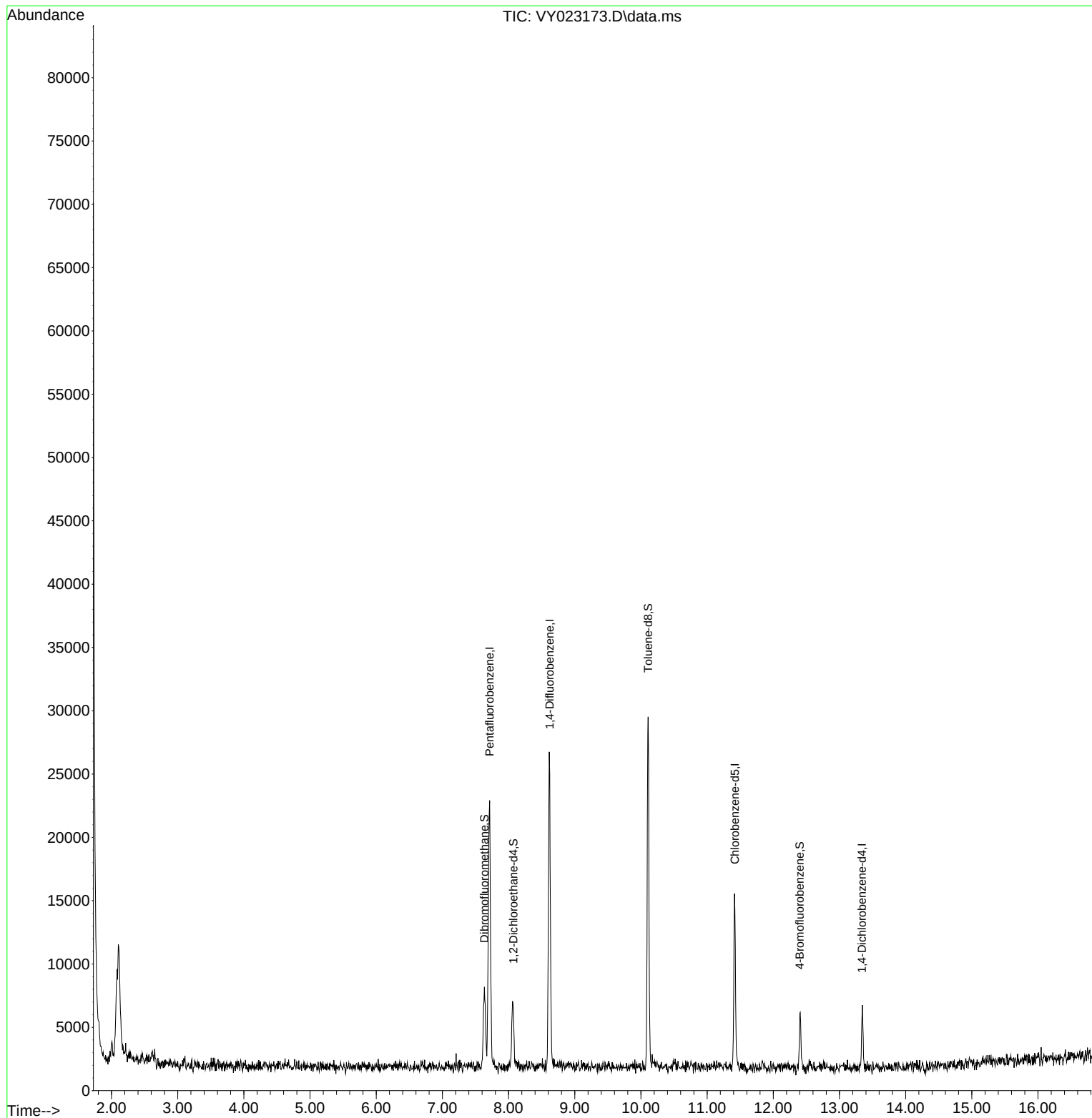
Target Compounds	Qvalue

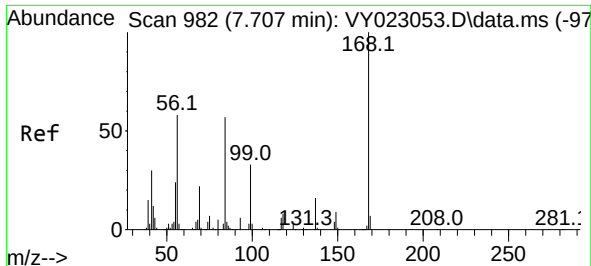
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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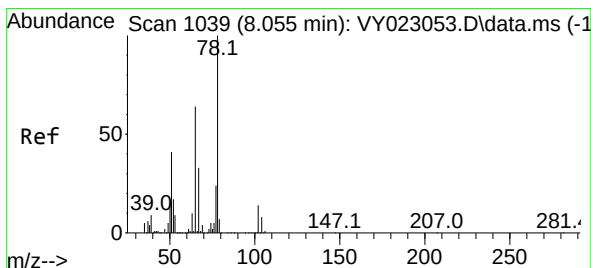
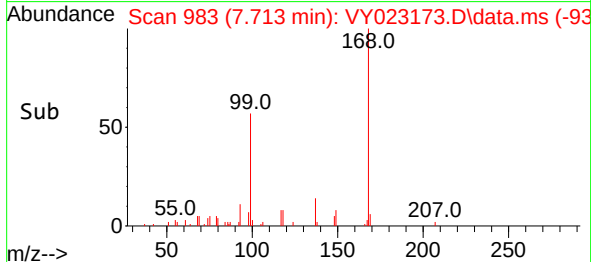
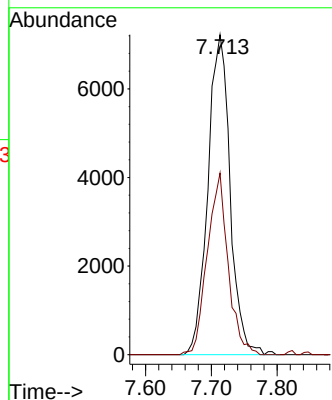
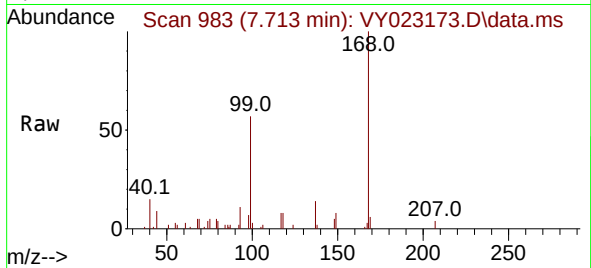




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023173.D
Acq: 20 Aug 2025 14:11

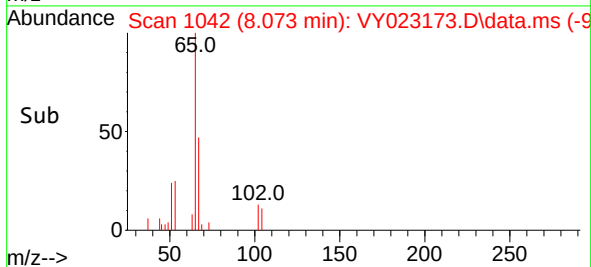
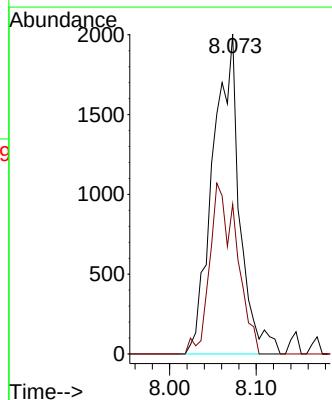
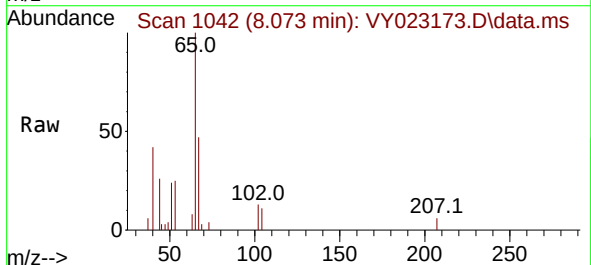
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-08182025RE

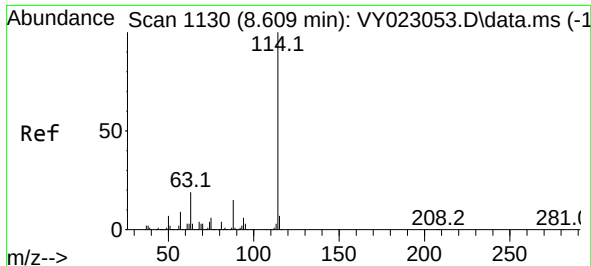
Tgt Ion:168 Resp: 17011
Ion Ratio Lower Upper
168 100
99 56.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 26.578 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY023173.D
Acq: 20 Aug 2025 14:11

Tgt Ion: 65 Resp: 4309
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

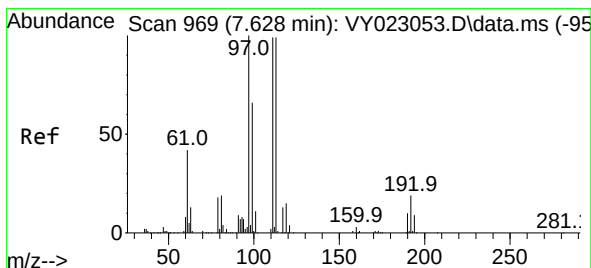
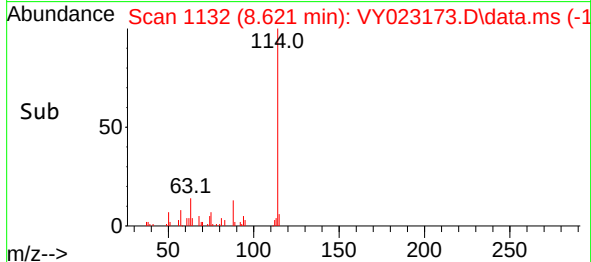
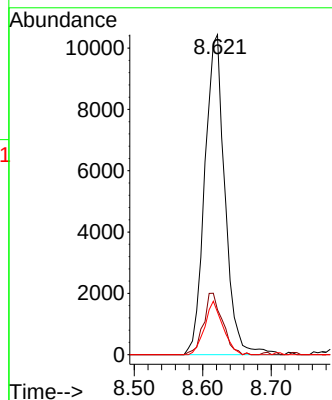
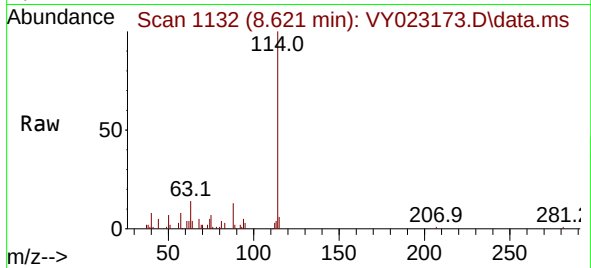




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1130
Delta R.T. 0.012 min
Lab File: VY023173.D
Acq: 20 Aug 2025 14:11

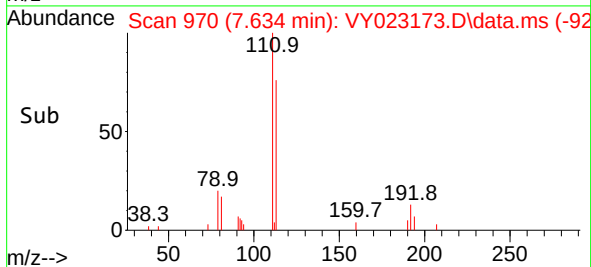
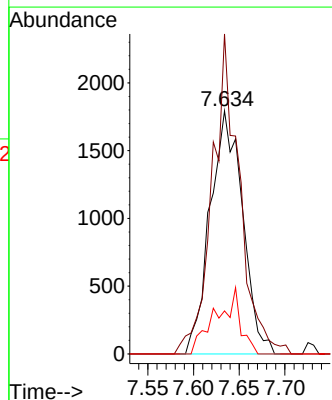
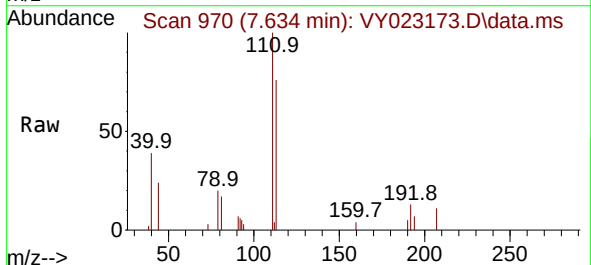
Instrument :
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ClientSampleId :
HD-02-08182025RE

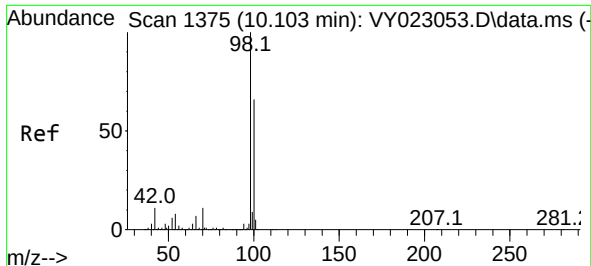
Tgt Ion:114 Resp: 21318
Ion Ratio Lower Upper
114 100
63 14.1 0.0 38.4
88 13.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 34.713 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023173.D
Acq: 20 Aug 2025 14:11

Tgt Ion:113 Resp: 4428
Ion Ratio Lower Upper
113 100
111 110.3 81.1 121.7
192 20.6 16.2 24.4

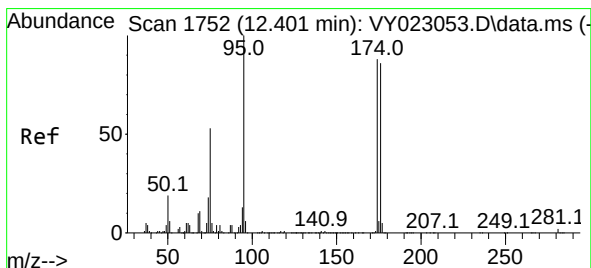
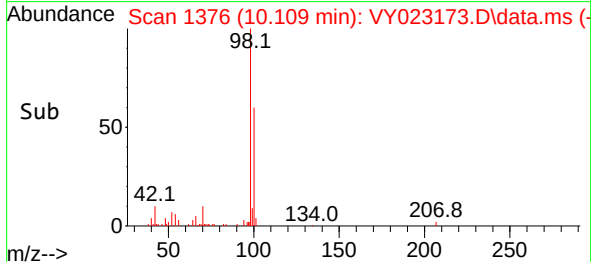
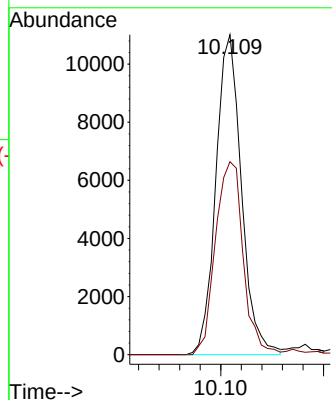
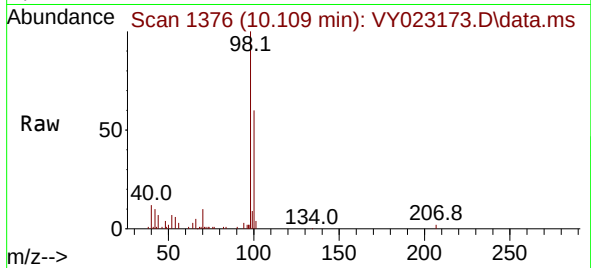




#50
Toluene-d8
Concen: 38.148 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023173.D
Acq: 20 Aug 2025 14:11

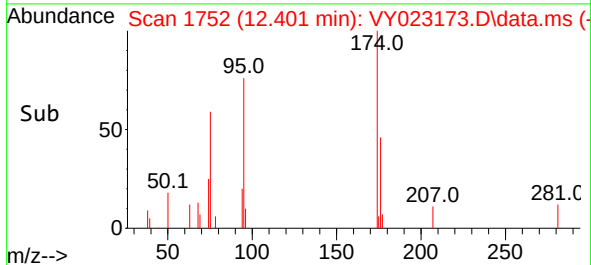
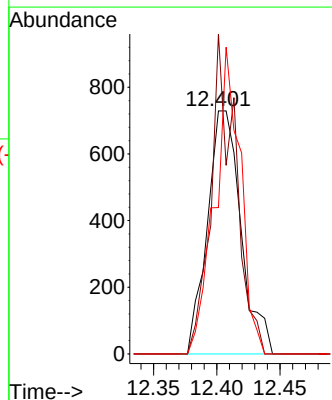
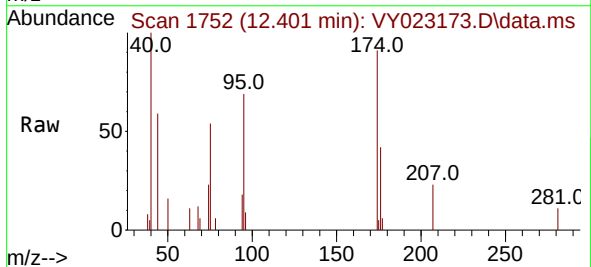
Instrument :
MSVOA_Y
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HD-02-08182025RE

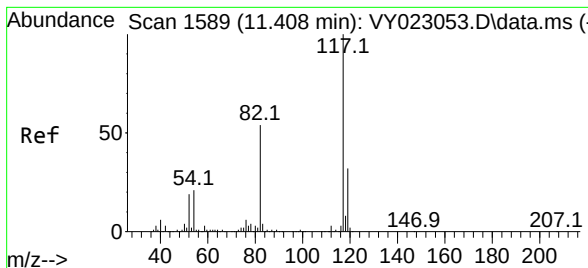
Tgt Ion: 98 Resp: 19010
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 8.411 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023173.D
Acq: 20 Aug 2025 14:11

Tgt Ion: 95 Resp: 1348
Ion Ratio Lower Upper
95 100
174 96.0 0.0 171.6
176 96.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023173.D

Acq: 20 Aug 2025 14:11

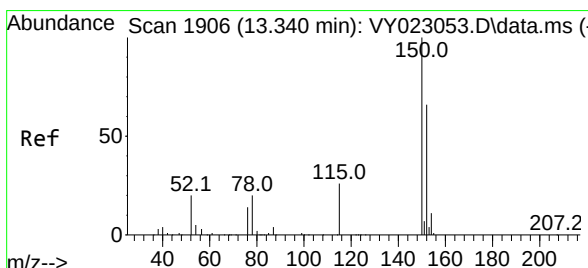
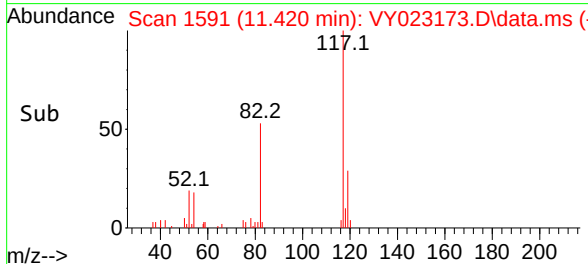
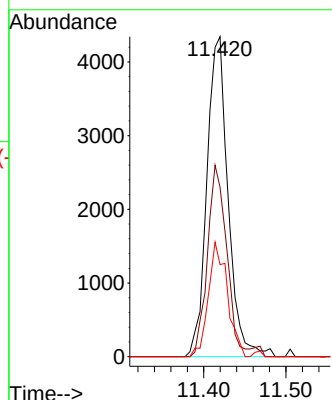
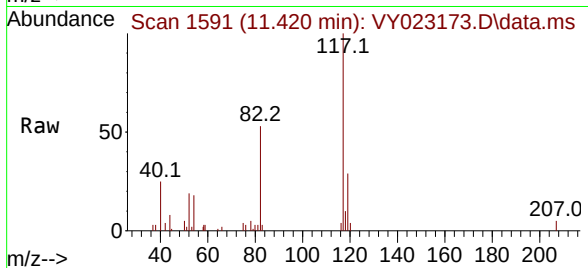
Instrument :

MSVOA_Y

ClientSampleId :

HD-02-08182025RE

Tgt Ion:117	Resp:	7805
Ion	Ratio	Lower Upper
117	100	
82	53.0	43.4 65.0
119	28.8	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: VY023173.D

Acq: 20 Aug 2025 14:11

Tgt Ion:152	Resp:	1406
Ion	Ratio	Lower Upper
152	100	
115	54.8	28.2 84.6
150	165.6	0.0 348.0

