

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023133.D
 Acq On : 15 Aug 2025 18:19
 Operator : SY/MD
 Sample : Q2884-01
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-232

Quant Time: Aug 18 02:33:11 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	540508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1025113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	925439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	373243	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	300750	58.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.760%
35) Dibromofluoromethane	7.628	113	312639	50.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.940%
50) Toluene-d8	10.103	98	1241952	51.828	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.660%
62) 4-Bromofluorobenzene	12.401	95	381304	49.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.960%

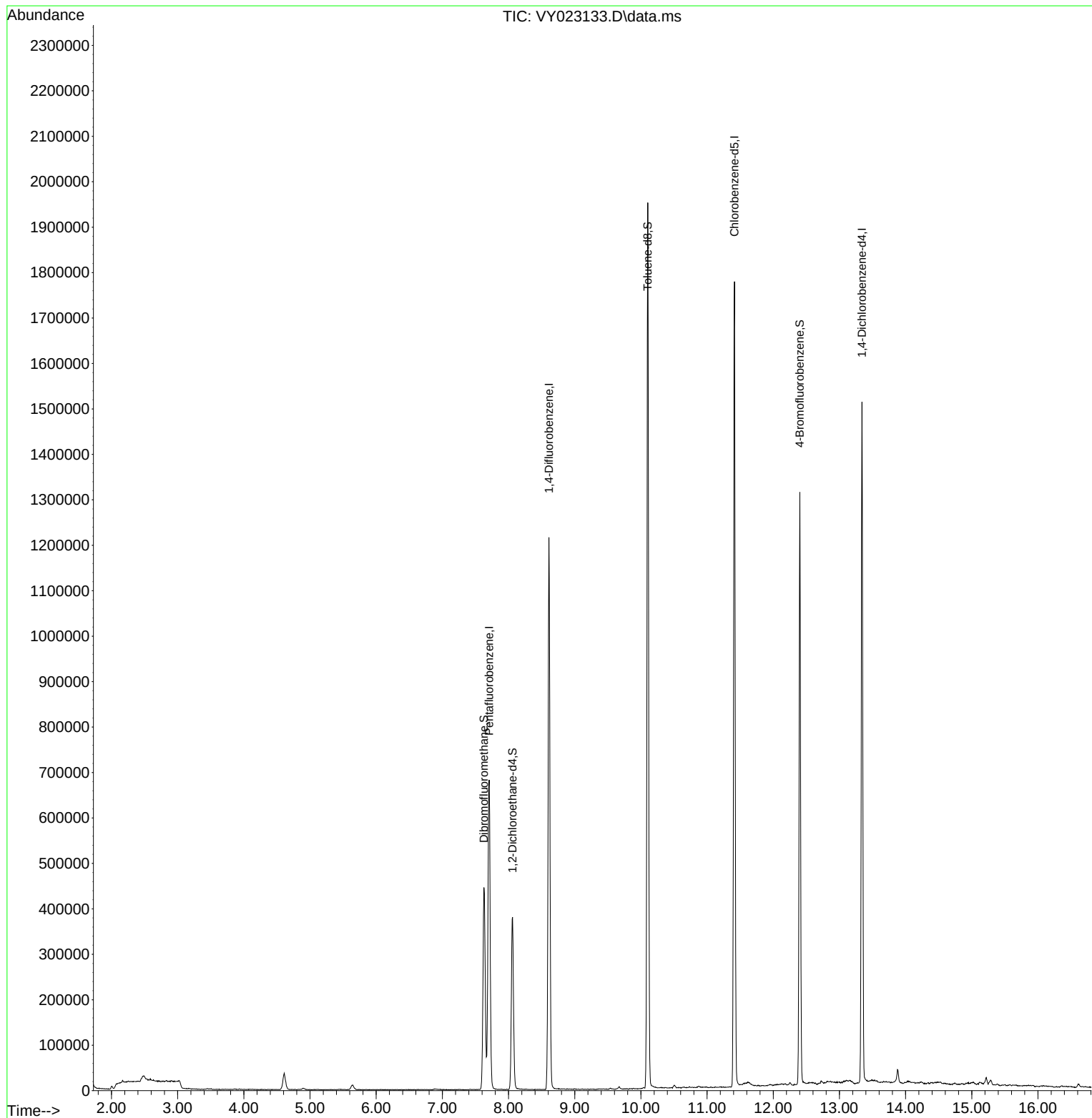
Target Compounds	Qvalue

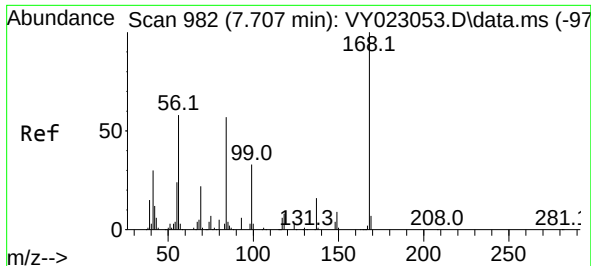
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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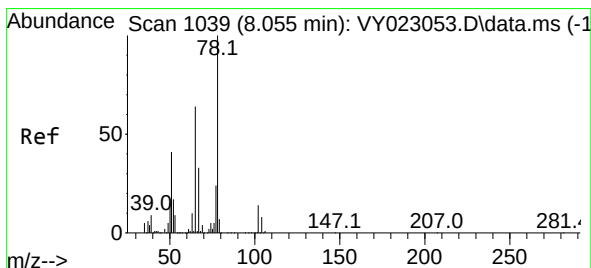
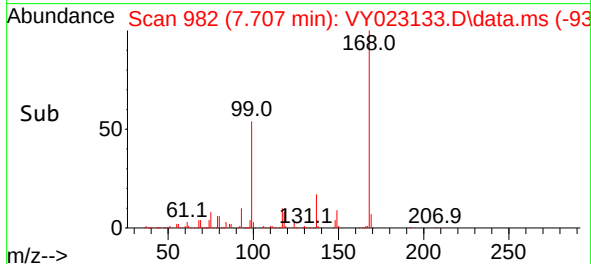
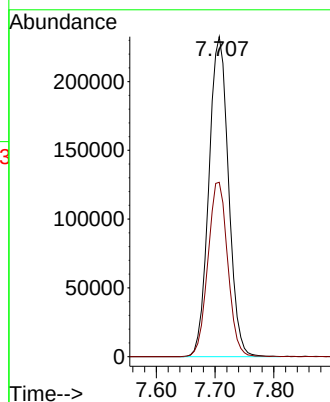
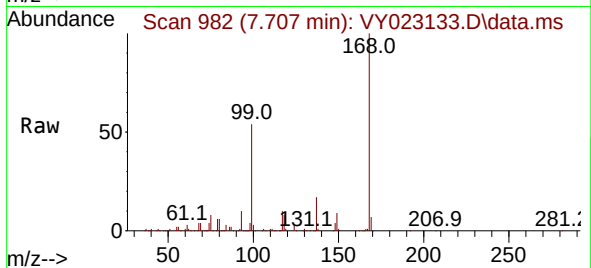




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

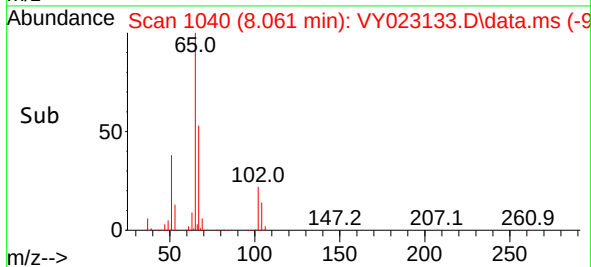
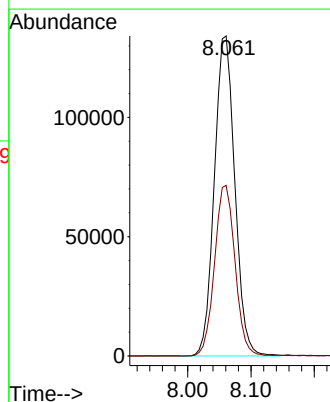
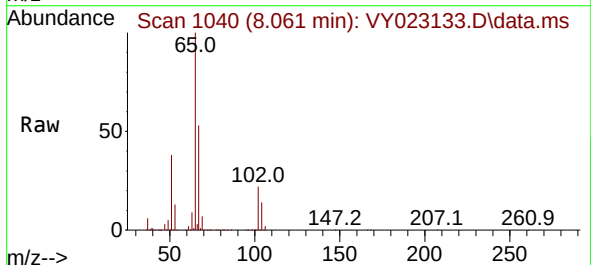
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

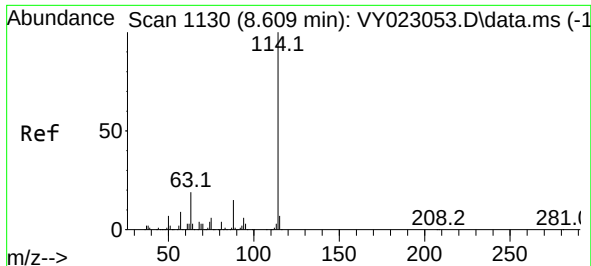
Tgt Ion:168 Resp: 540508
Ion Ratio Lower Upper
168 100
99 54.5 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.382 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion: 65 Resp: 300750
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

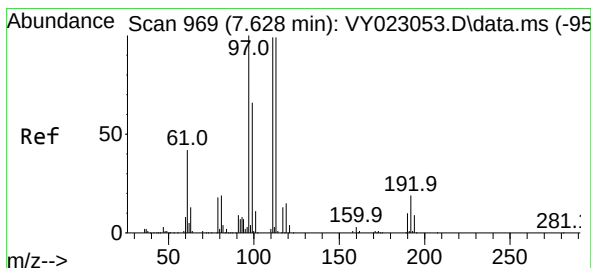
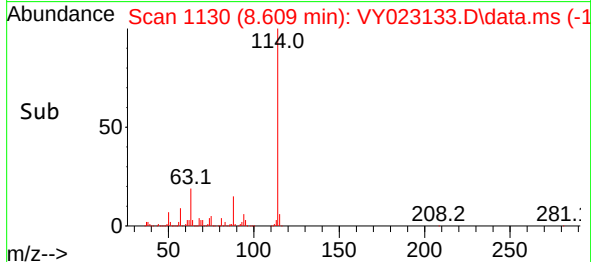
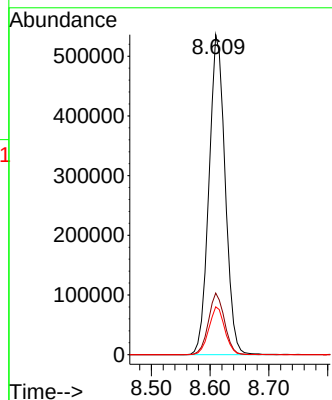
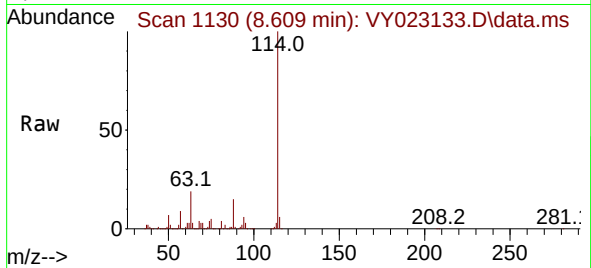




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

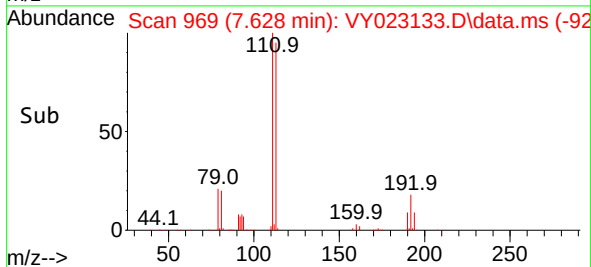
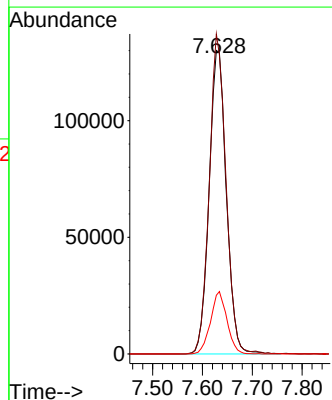
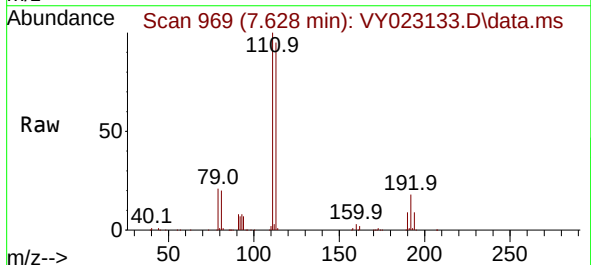
Instrument :
MSVOA_Y
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VNJ-232

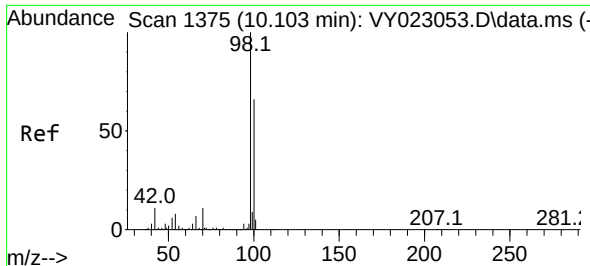
Tgt Ion:114 Resp: 1025113
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 50.969 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion:113 Resp: 312639
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.6 16.2 24.4

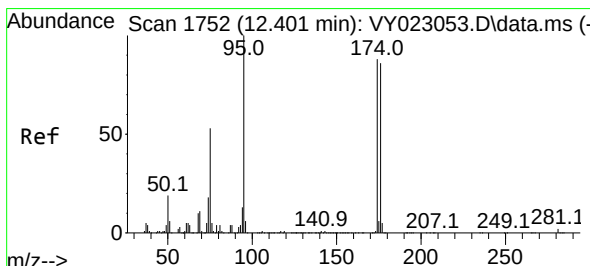
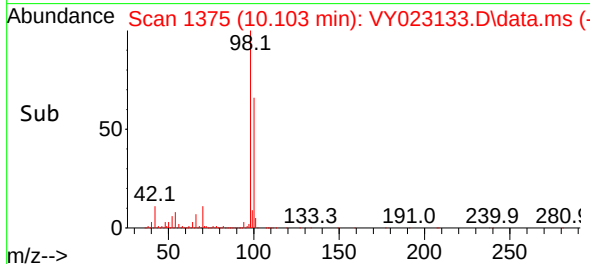
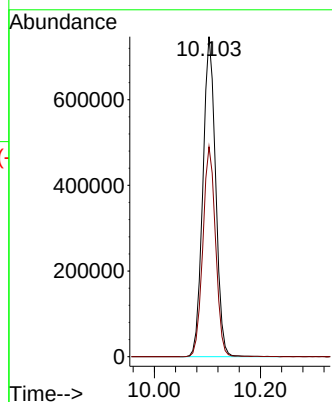
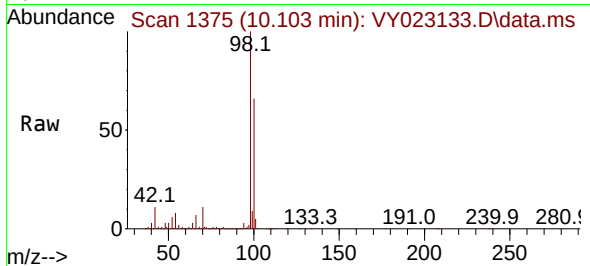




#50
Toluene-d8
Concen: 51.828 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

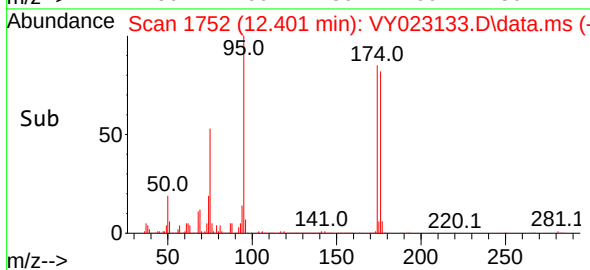
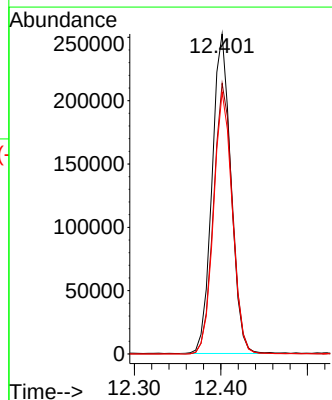
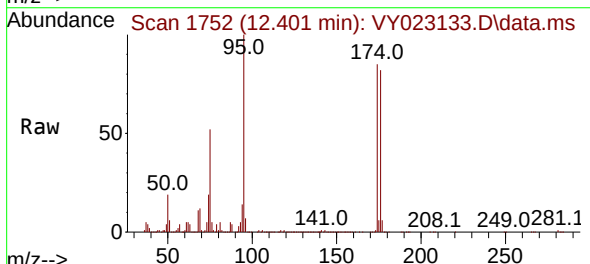
Instrument :
MSVOA_Y
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VNJ-232

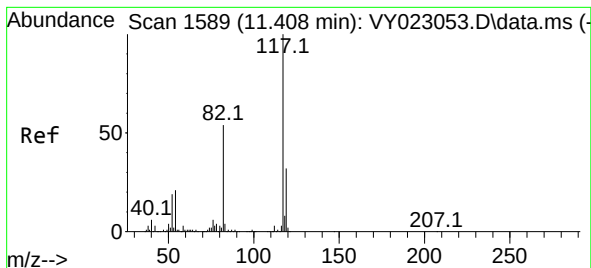
Tgt Ion: 98 Resp: 1241952
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.479 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023133.D
Acq: 15 Aug 2025 18:19

Tgt Ion: 95 Resp: 381304
Ion Ratio Lower Upper
95 100
174 85.4 0.0 171.6
176 81.6 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: VY023133.D

Acq: 15 Aug 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-232

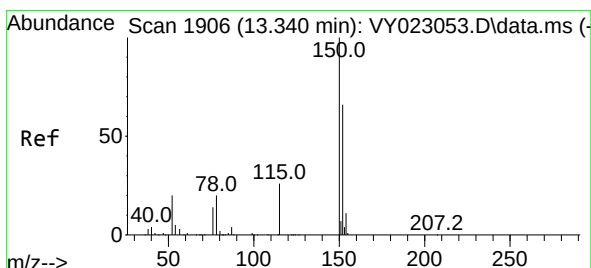
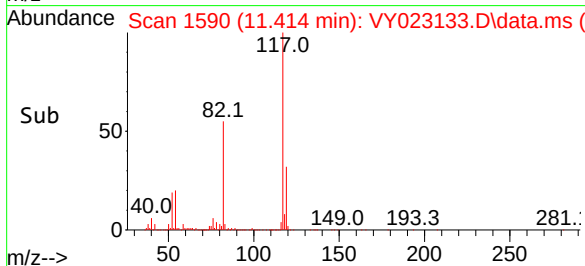
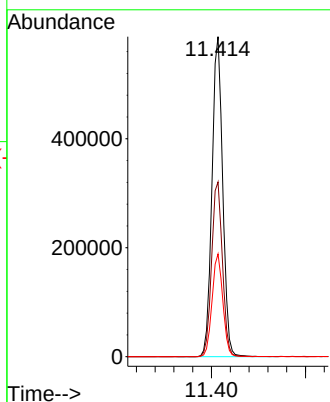
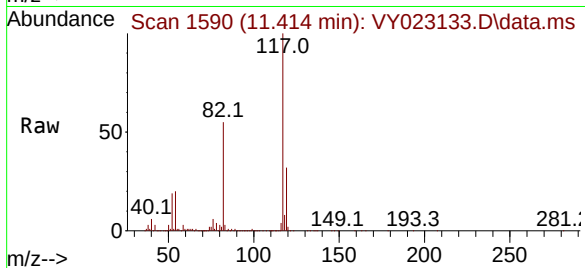
Tgt Ion:117 Resp: 925439

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 32.1 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: VY023133.D

Acq: 15 Aug 2025 18:19

Tgt Ion:152 Resp: 373243

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.6

150 156.8 0.0 348.0

