

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023316.D
 Acq On : 09 Sep 2025 10:59
 Operator : SY/MD
 Sample : Q3048-01
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-258

Quant Time: Sep 10 01:52:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	364698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	638804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	561369	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	215683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178319	55.644	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.280%
35) Dibromofluoromethane	7.640	113	213031	54.556	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.120%
50) Toluene-d8	10.109	98	743121	50.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.800%
62) 4-Bromofluorobenzene	12.407	95	205817	44.356	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.720%

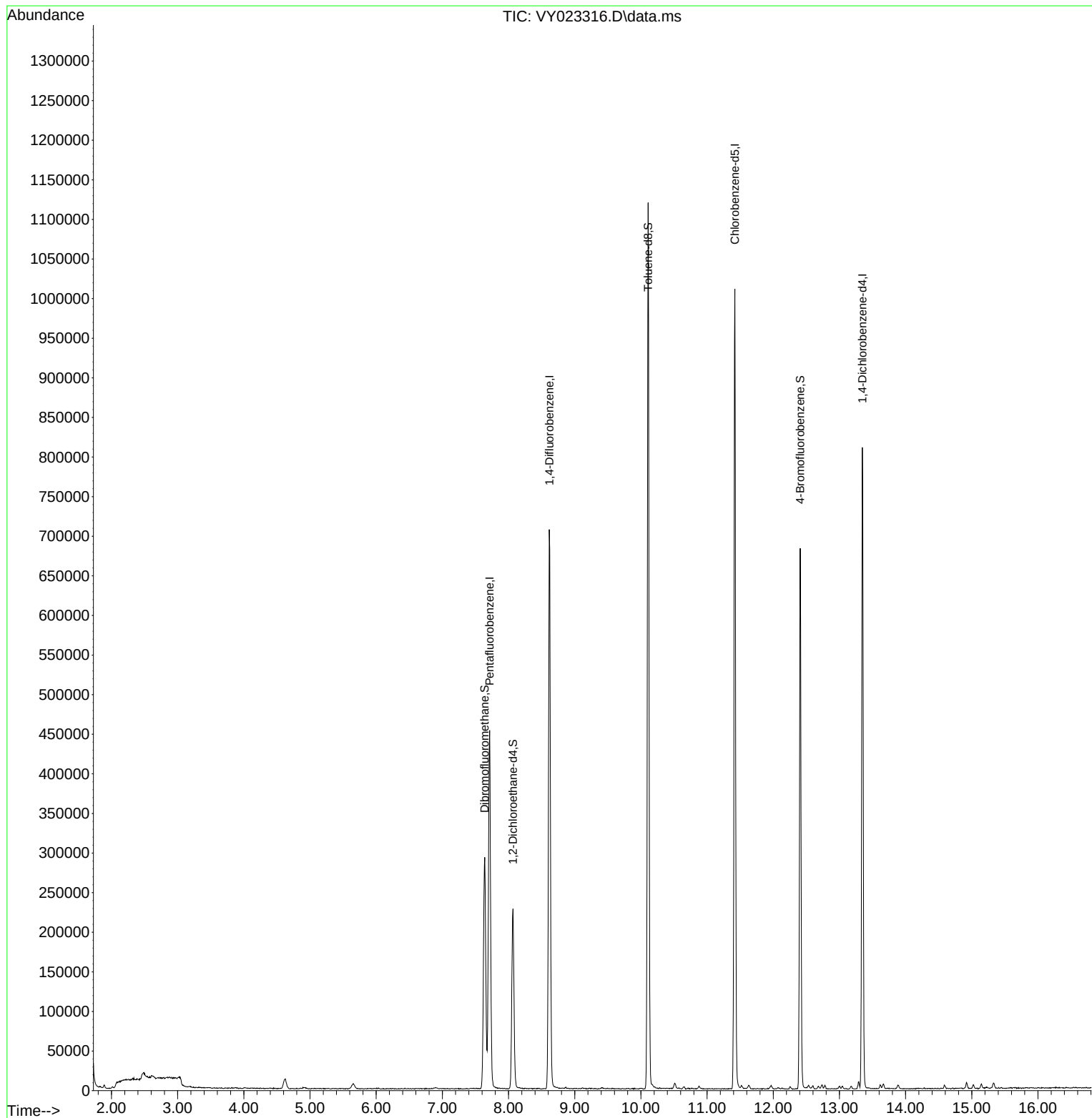
Target Compounds	Qvalue

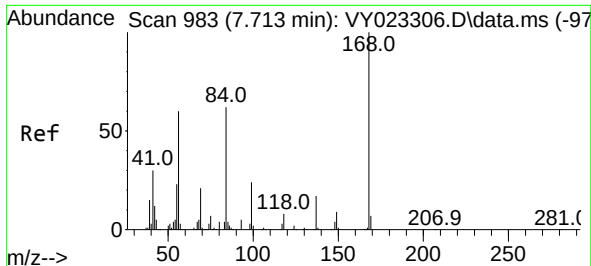
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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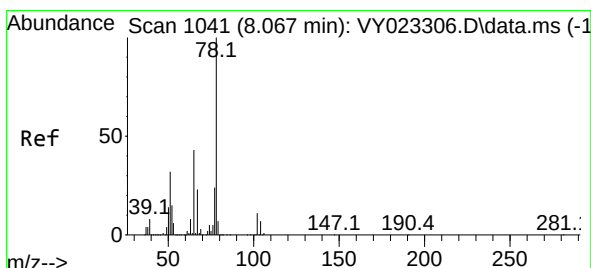
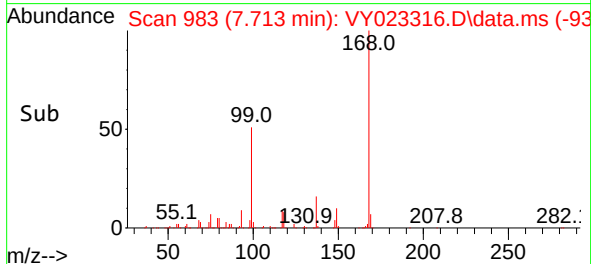
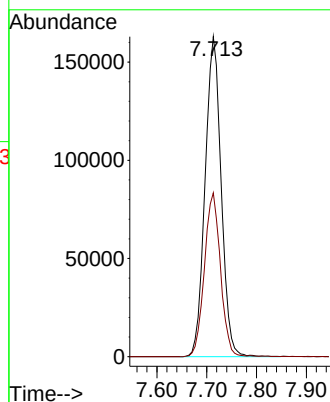
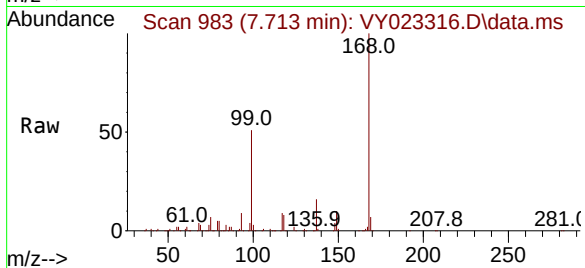




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

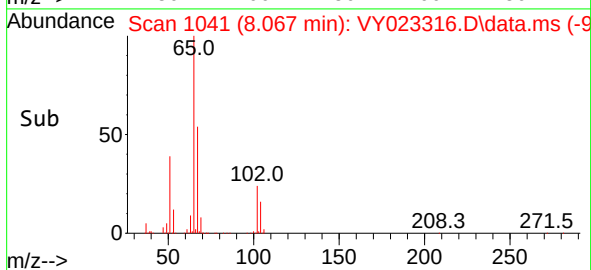
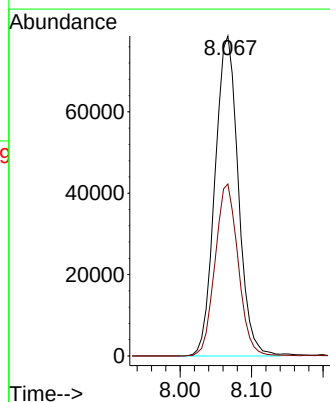
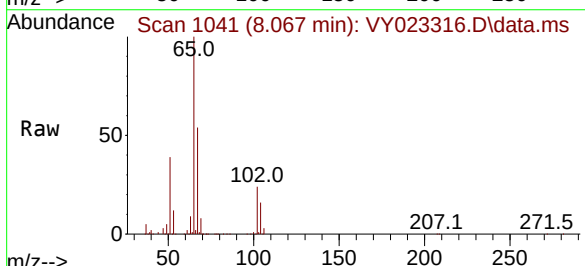
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-258

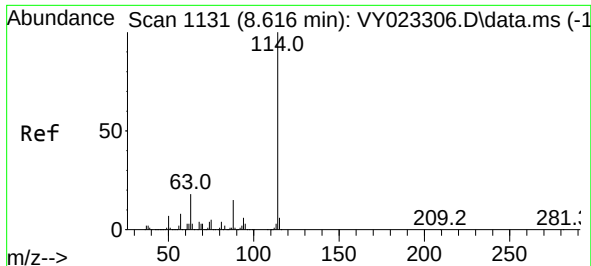
Tgt Ion:168 Resp: 364698
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.644 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion: 65 Resp: 178319
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

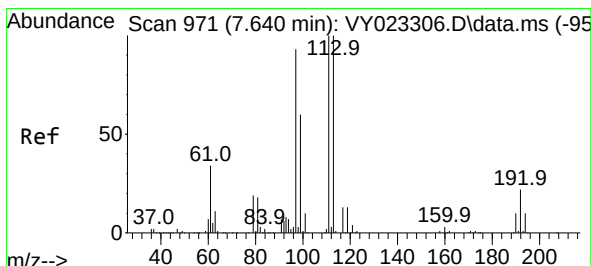
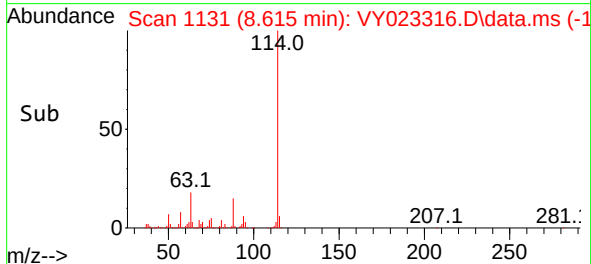
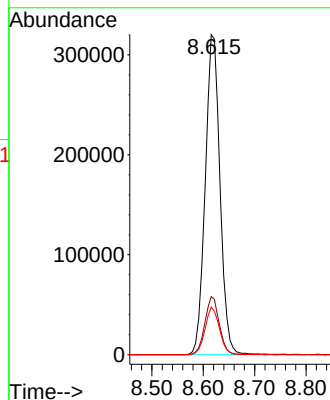
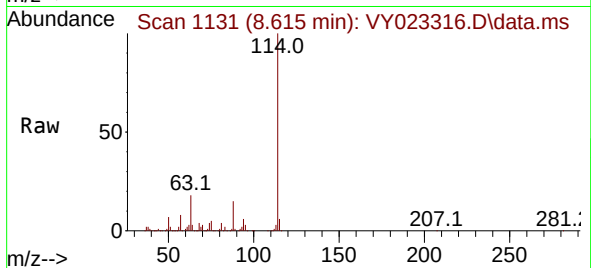




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

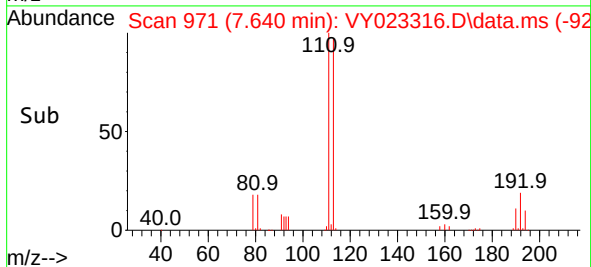
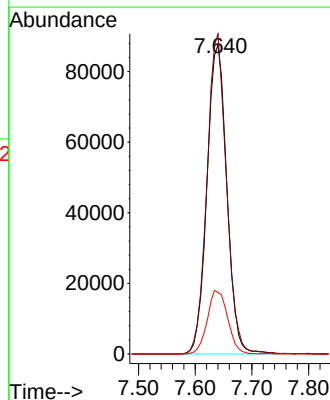
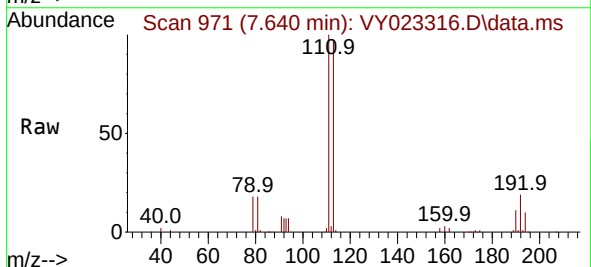
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-258

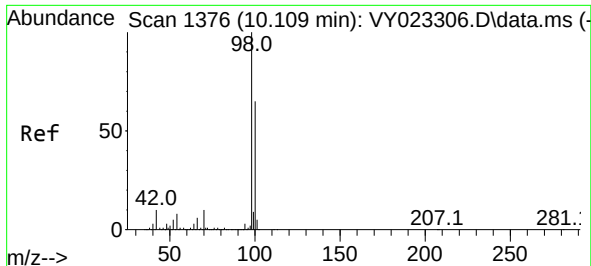
Tgt Ion:114 Resp: 638804
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.556 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion:113 Resp: 213031
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 21.1 16.2 24.4

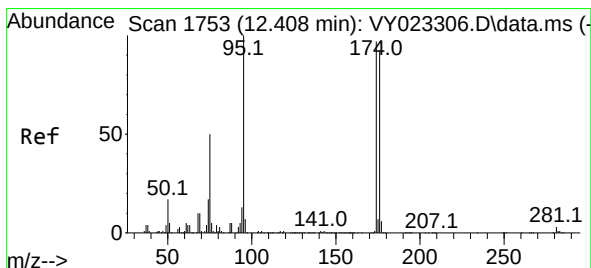
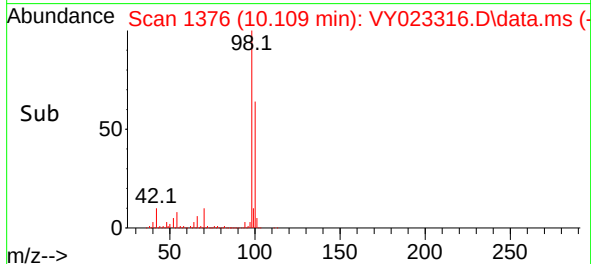
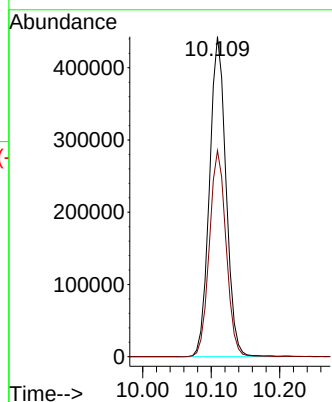
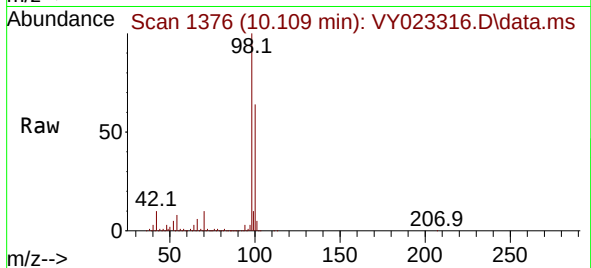




#50
Toluene-d8
Concen: 50.399 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

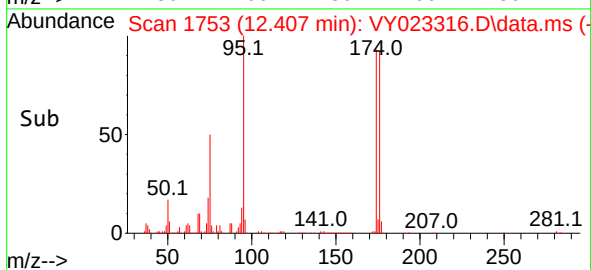
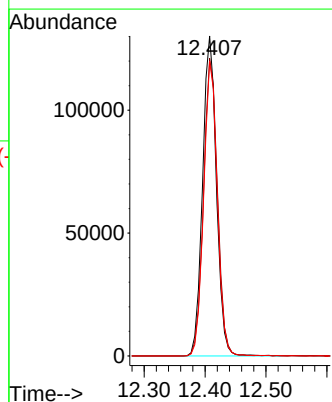
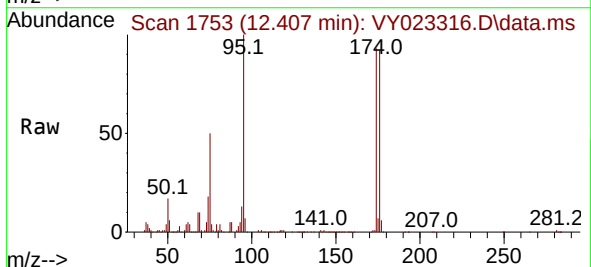
Instrument :
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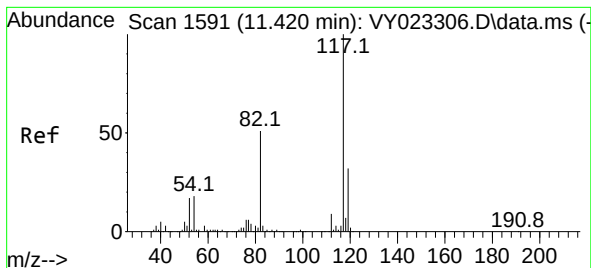
Tgt Ion: 98 Resp: 743121
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.356 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023316.D
Acq: 09 Sep 2025 10:59

Tgt Ion: 95 Resp: 205817
Ion Ratio Lower Upper
95 100
174 93.9 0.0 171.6
176 90.8 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: VY023316.D

Acq: 09 Sep 2025 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-258

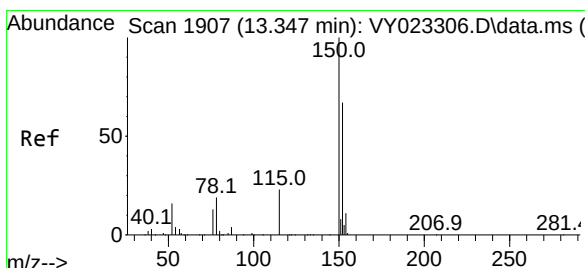
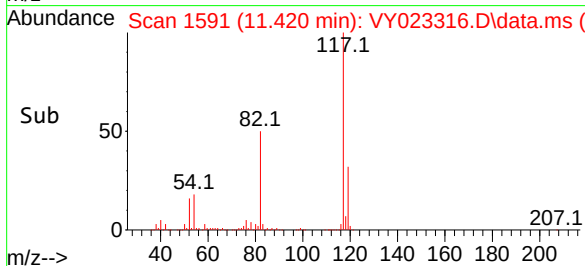
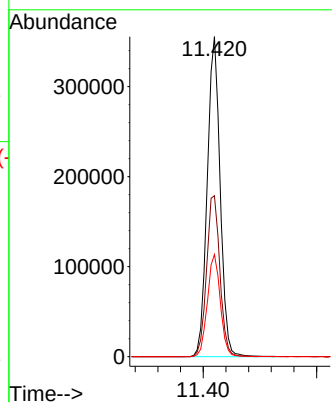
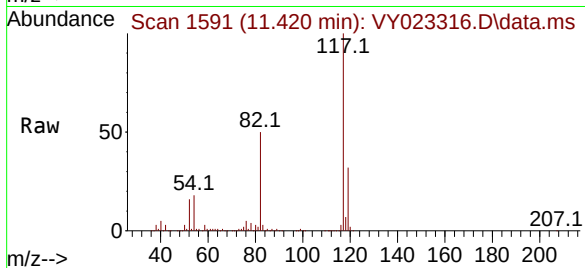
Tgt Ion:117 Resp: 561369

Ion Ratio Lower Upper

117 100

82 50.3 43.4 65.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023316.D

Acq: 09 Sep 2025 10:59

Tgt Ion:152 Resp: 215683

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 156.9 0.0 348.0

