

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023331.D
 Acq On : 10 Sep 2025 14:26
 Operator : SY/MD
 Sample : Q3066-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-242

Quant Time: Sep 11 03:50:33 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)

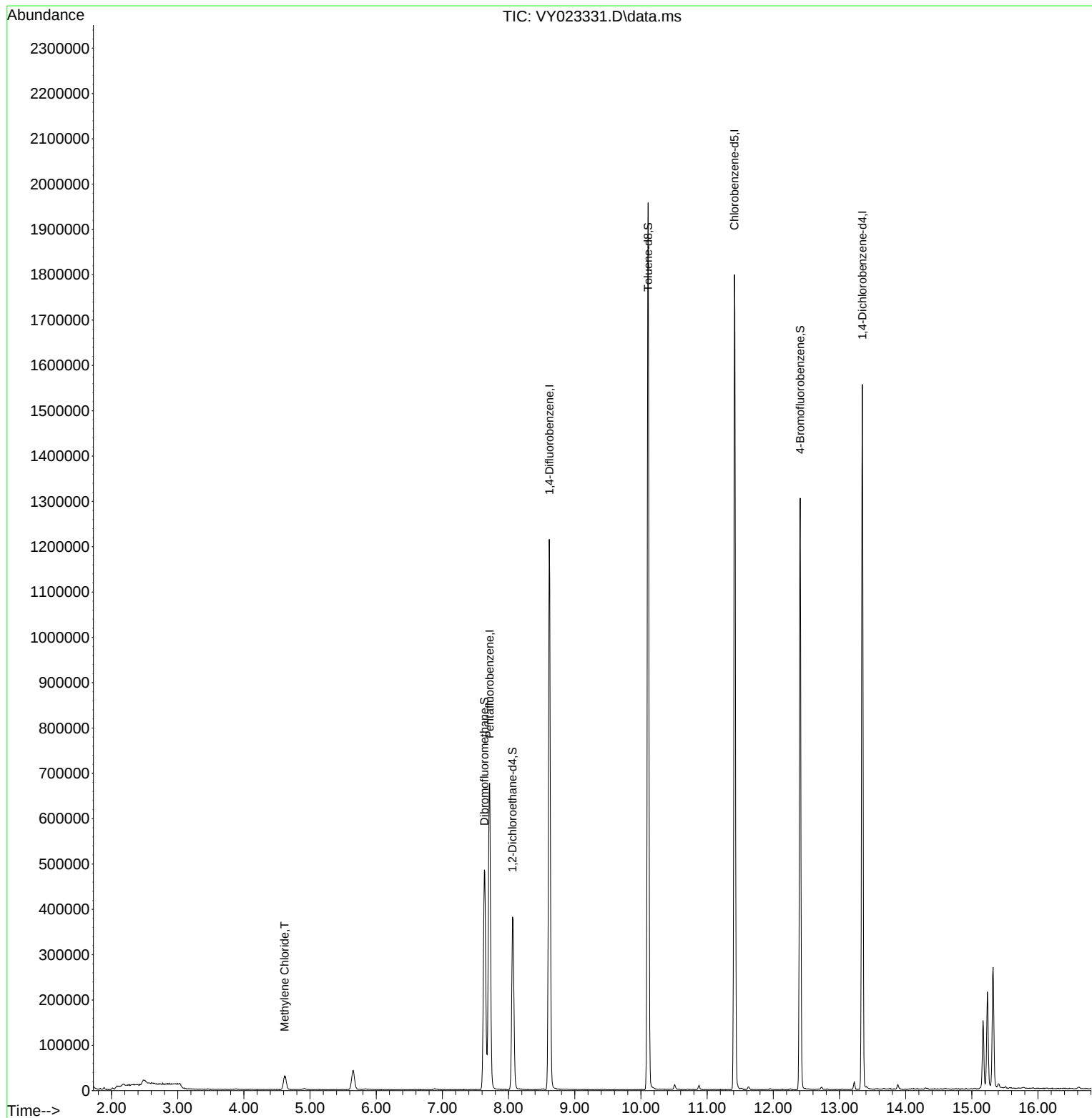
Internal Standards						
1) Pentafluorobenzene	7.713	168	560527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1073105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1000788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	412921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	303807	61.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.360%
35) Dibromofluoromethane	7.634	113	352926	53.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.600%
50) Toluene-d8	10.109	98	1288815	52.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.060%
62) 4-Bromofluorobenzene	12.407	95	388600	49.854	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.700%
Target Compounds						
20) Methylene Chloride	4.616	84	24217	4.035	ug/l	96

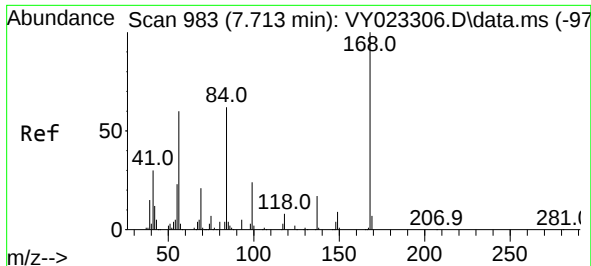
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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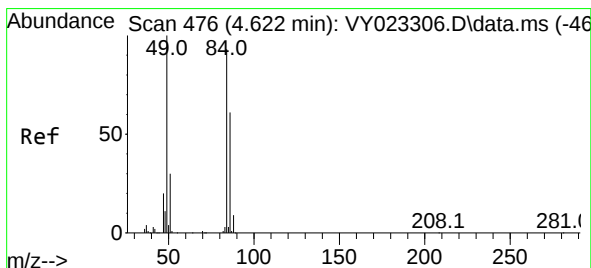
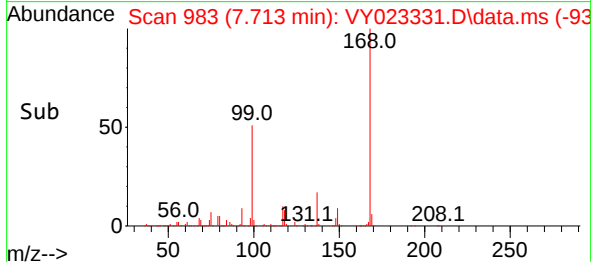
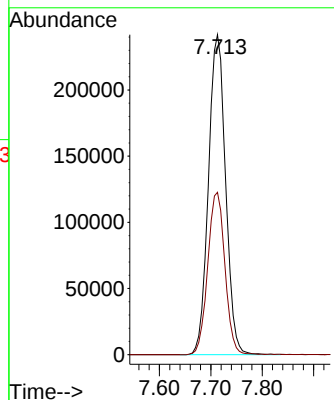
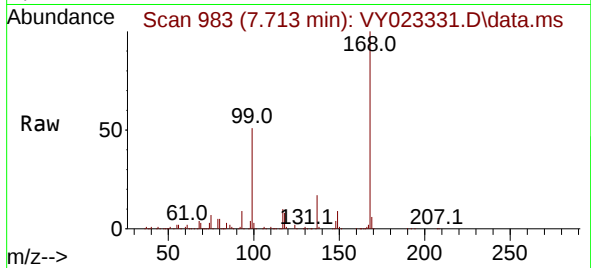




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

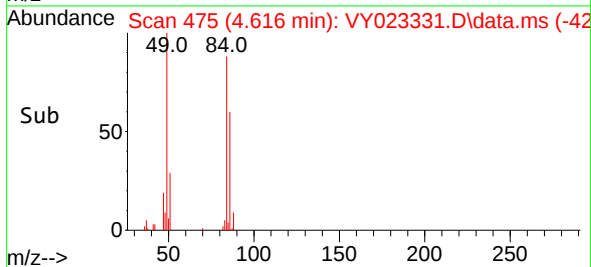
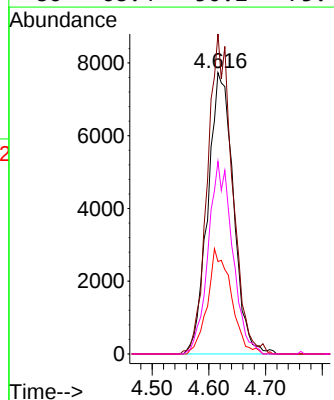
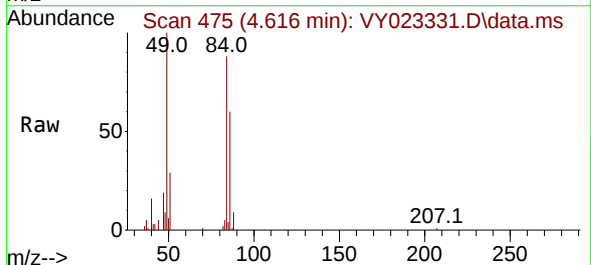
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-242

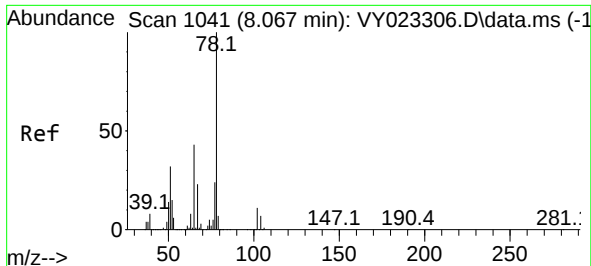
Tgt Ion:168 Resp: 560527
Ion Ratio Lower Upper
168 100
99 50.8 42.8 64.2



#20
Methylene Chloride
Concen: 4.035 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion: 84 Resp: 24217
Ion Ratio Lower Upper
84 100
49 113.8 93.0 139.6
51 32.9 29.0 43.4
86 68.4 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 61.681 ug/l

RT: 8.060 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023331.D

Acq: 10 Sep 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

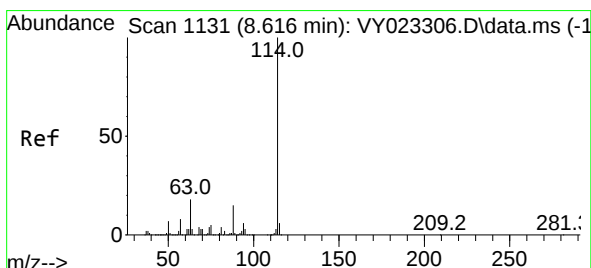
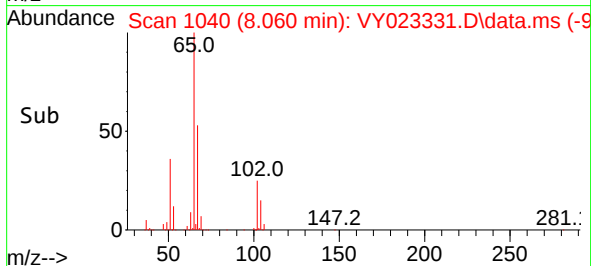
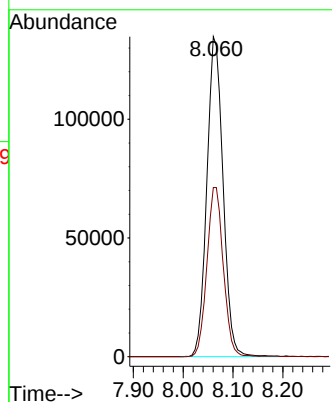
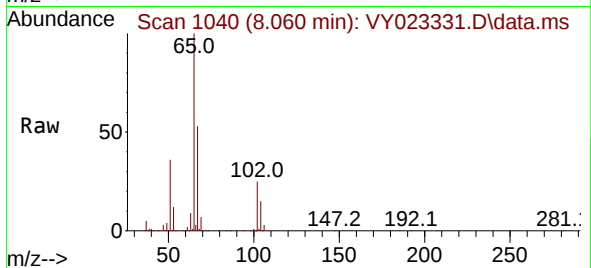
VNJ-242

Tgt Ion: 65 Resp: 303807

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023331.D

Acq: 10 Sep 2025 14:26

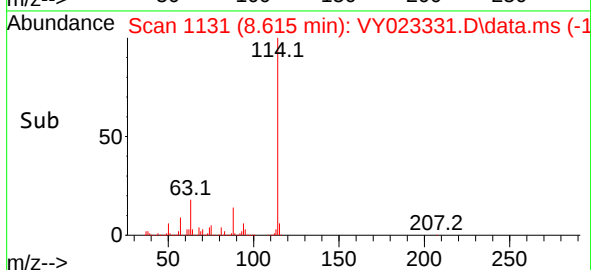
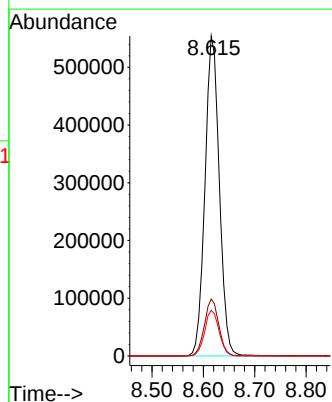
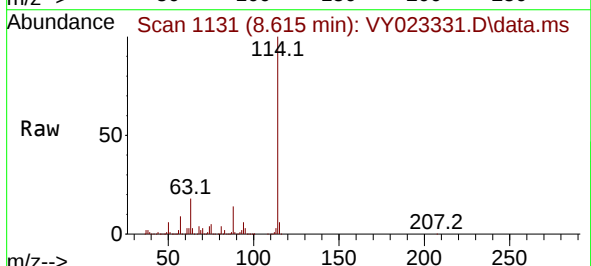
Tgt Ion: 114 Resp: 1073105

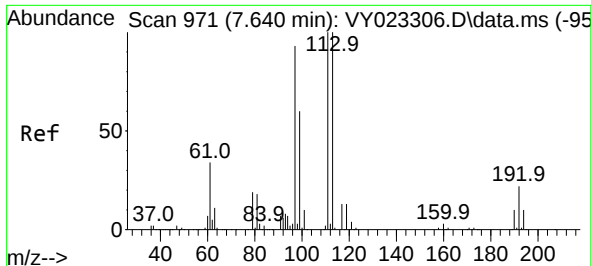
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.3 0.0 30.0

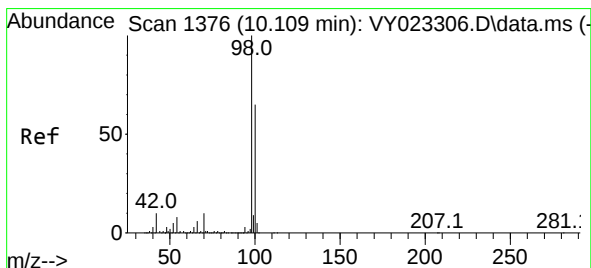
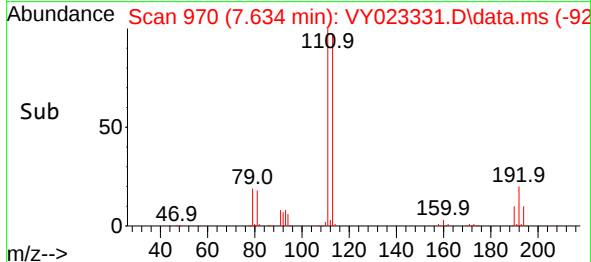
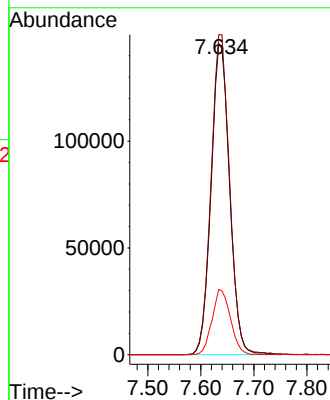
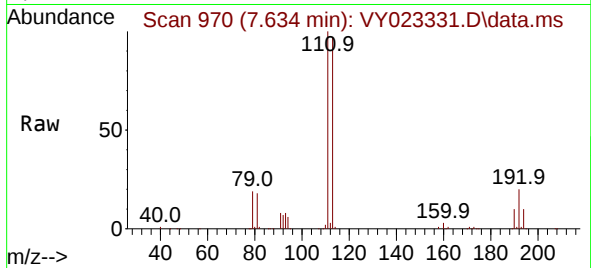




#35
 Dibromofluoromethane
 Concen: 53.804 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY023331.D
 Acq: 10 Sep 2025 14:26

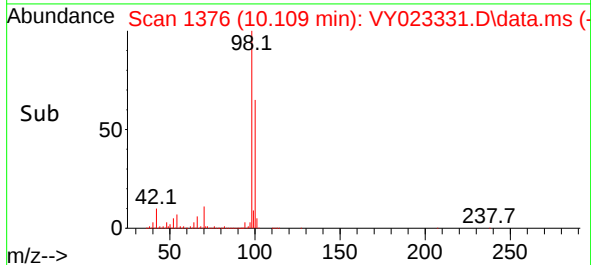
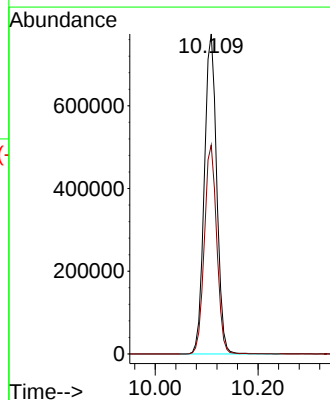
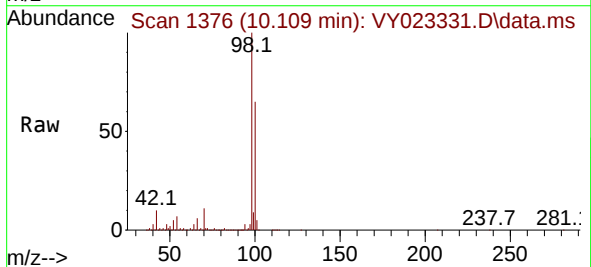
Instrument :
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 VNJ-242

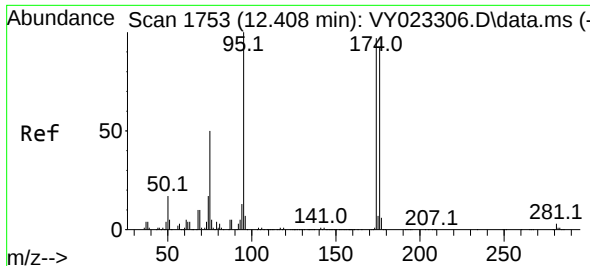
Tgt Ion:113 Resp: 352926
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.1 121.7
 192 20.9 16.2 24.4



#50
 Toluene-d8
 Concen: 52.033 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. 0.006 min
 Lab File: VY023331.D
 Acq: 10 Sep 2025 14:26

Tgt Ion: 98 Resp: 1288815
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 49.854 ug/l

RT: 12.407 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023331.D

Acq: 10 Sep 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-242

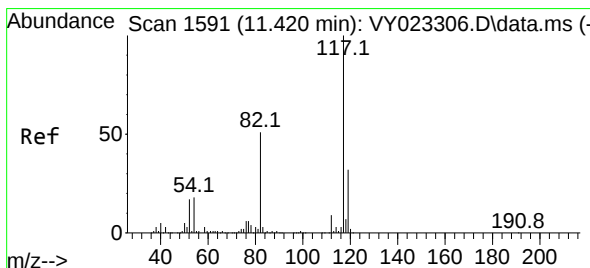
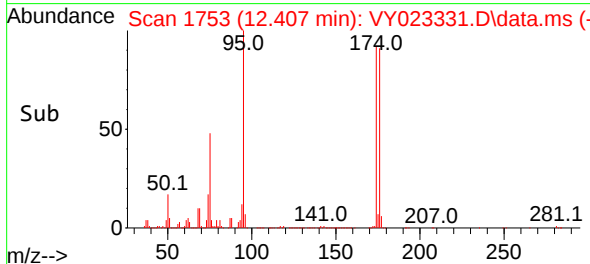
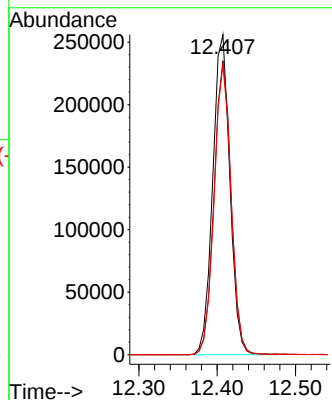
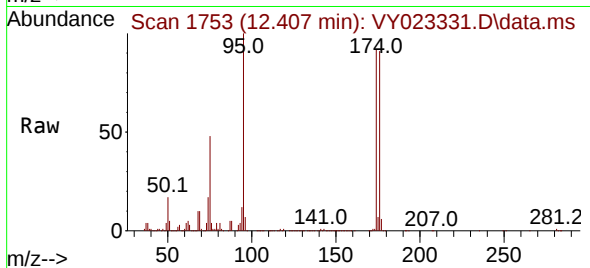
Tgt Ion: 95 Resp: 388600

Ion Ratio Lower Upper

95 100

174 91.7 0.0 171.6

176 89.3 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023331.D

Acq: 10 Sep 2025 14:26

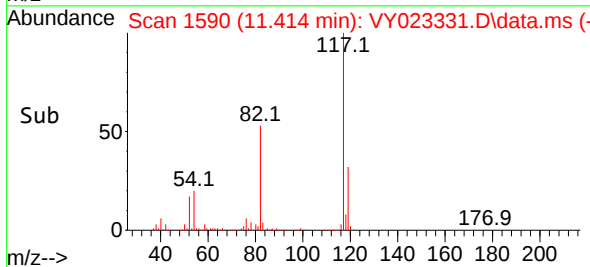
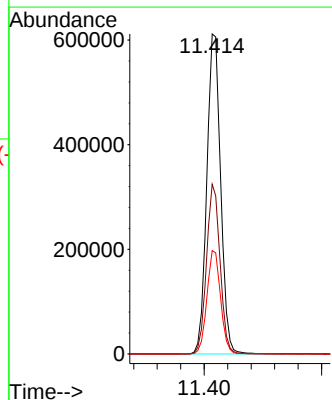
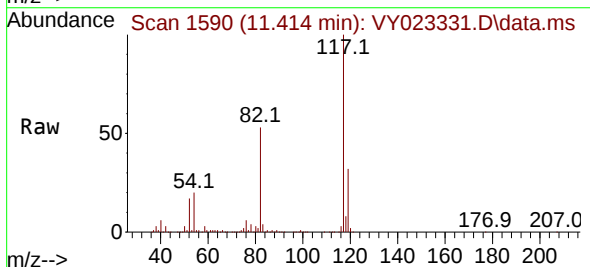
Tgt Ion: 117 Resp: 1000788

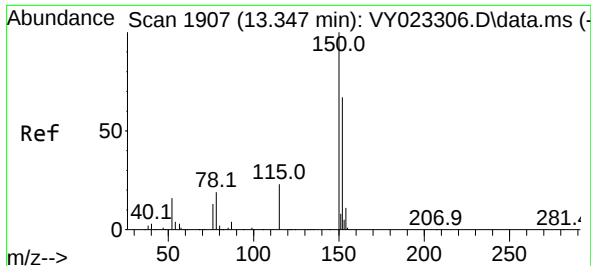
Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 32.3 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: VY023331.D
 Acq: 10 Sep 2025 14:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-242

Tgt Ion:152 Resp: 412921
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.2 84.6
 150 156.7 0.0 348.0

