

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023535.D
 Acq On : 21 Oct 2025 15:22
 Operator : SY/MD
 Sample : Q3410-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Oct 24 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	730922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1192245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	968962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	369934	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	314071	51.385	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.780%
35) Dibromofluoromethane	7.634	113	373961	51.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.109	98	1314151	48.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.408	95	352021	39.083	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.160%

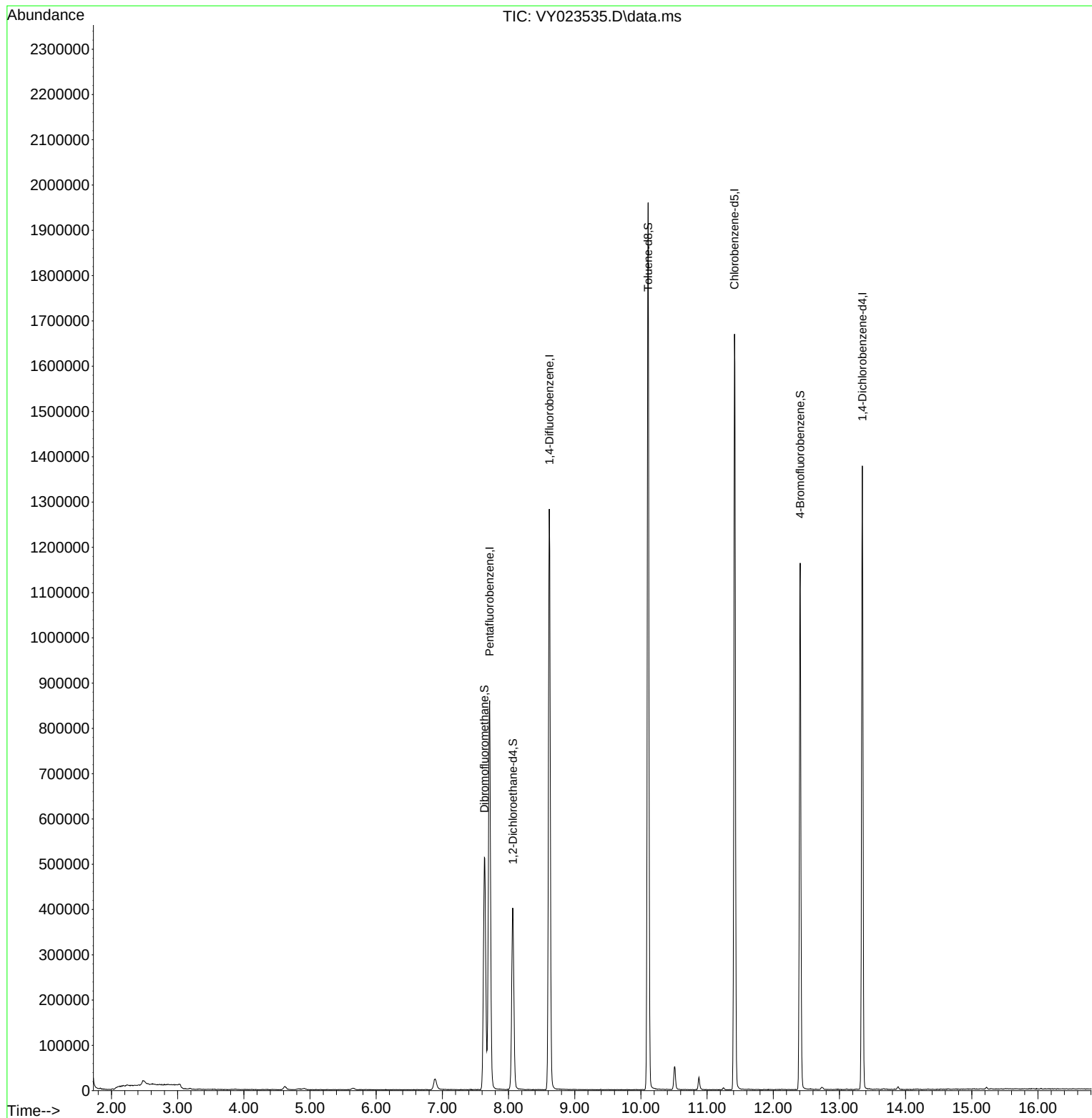
Target Compounds	Qvalue

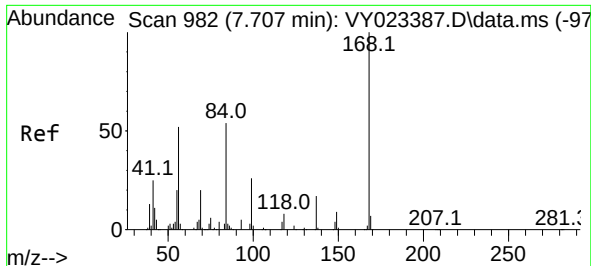
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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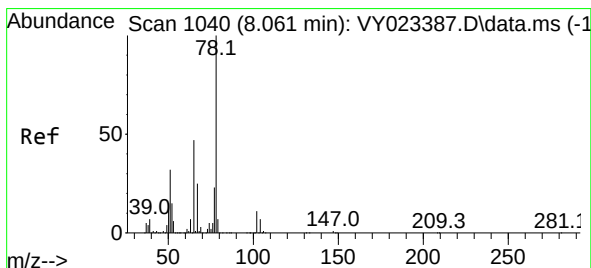
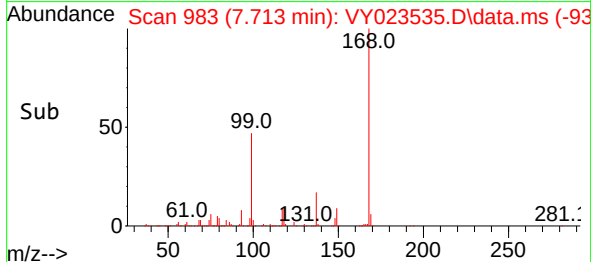
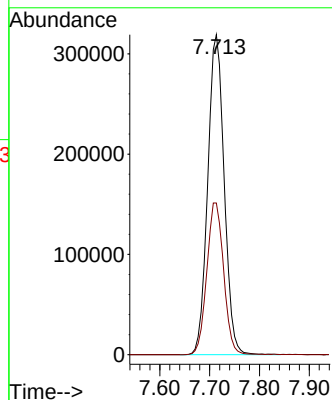
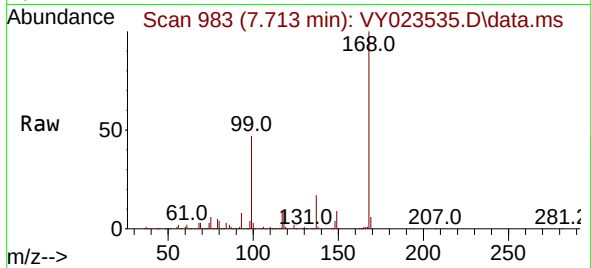




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

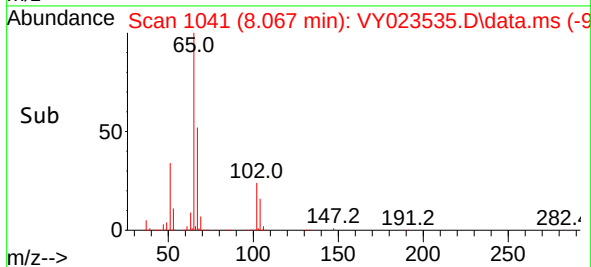
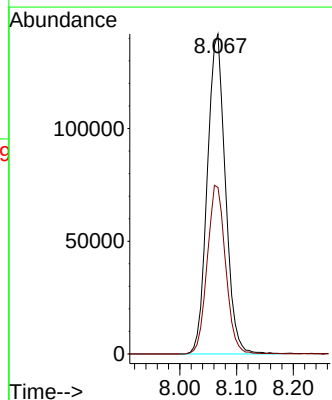
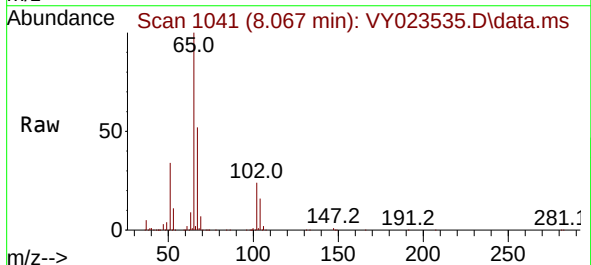
Instrument :
MSVOA_Y
ClientSampleId :
VOC

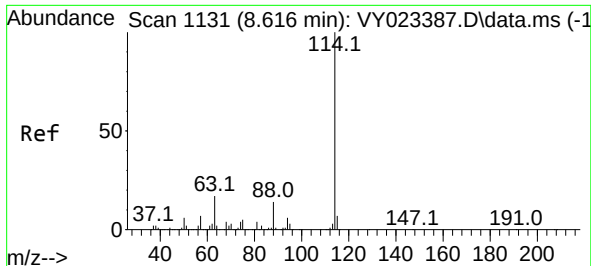
Tgt Ion:168 Resp: 730922
Ion Ratio Lower Upper
168 100
99 47.4 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 51.385 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

Tgt Ion: 65 Resp: 314071
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

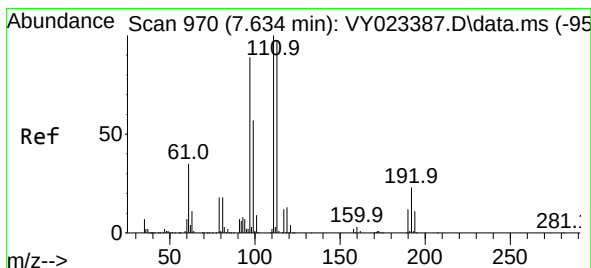
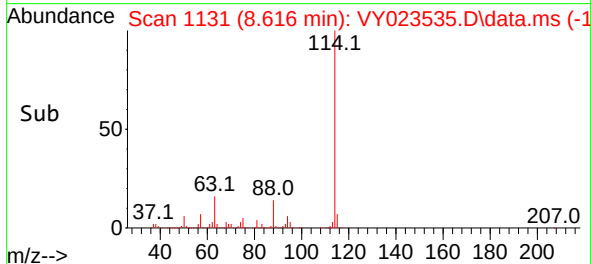
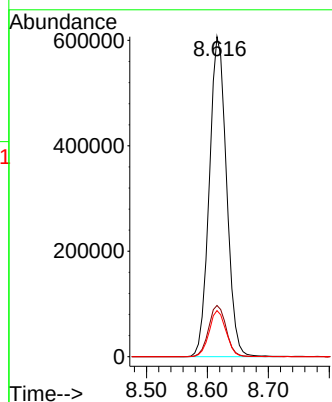
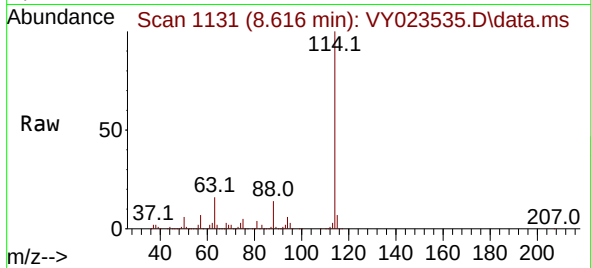




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

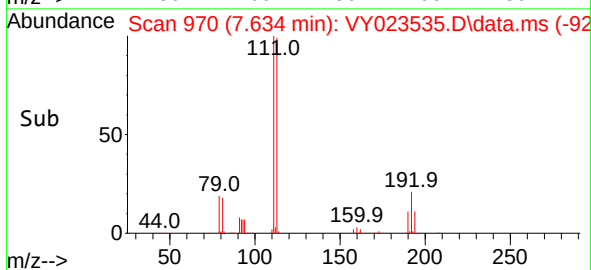
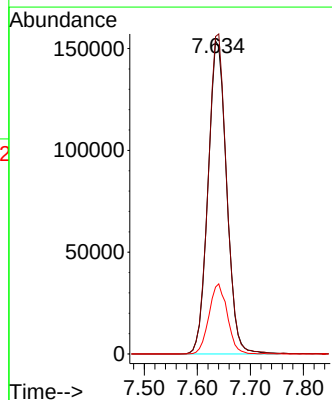
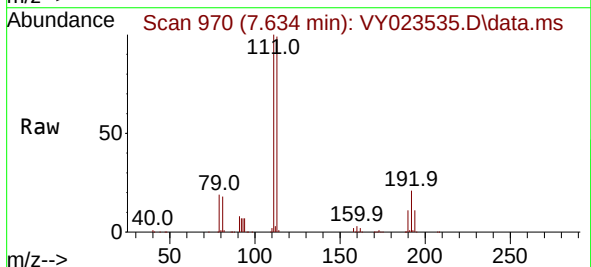
Instrument :
MSVOA_Y
ClientSampleId :
VOC

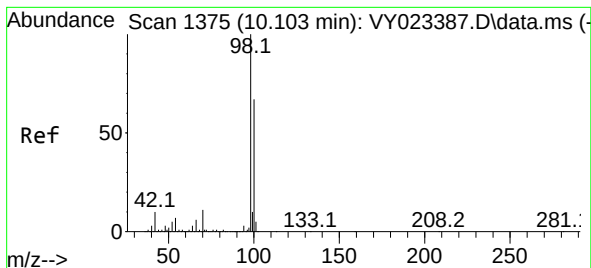
Tgt Ion:114 Resp: 1192245
Ion Ratio Lower Upper
114 100
63 16.0 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.047 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

Tgt Ion:113 Resp: 373961
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 22.1 18.0 27.0

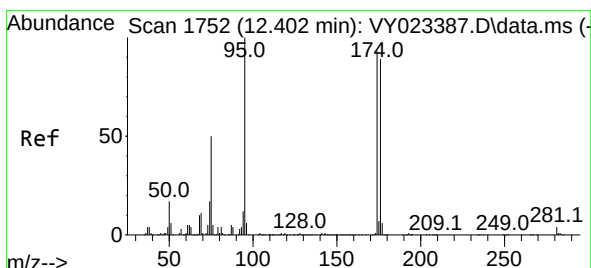
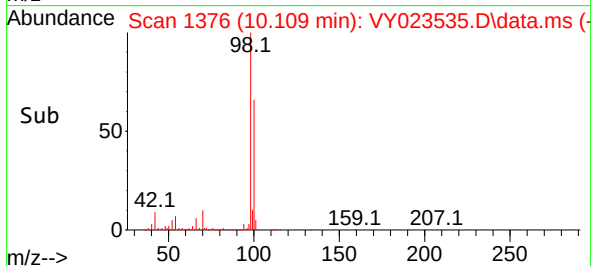
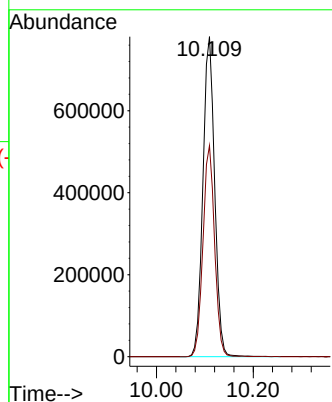
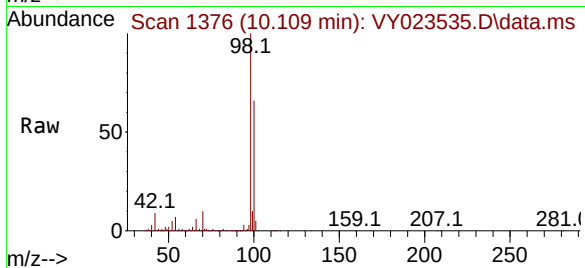




#50
Toluene-d8
Concen: 48.169 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

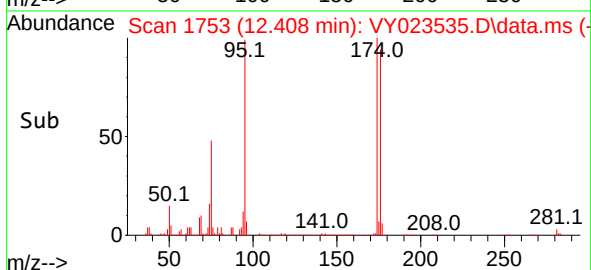
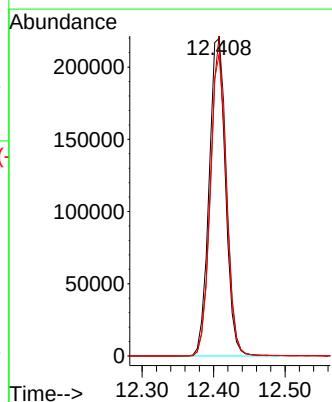
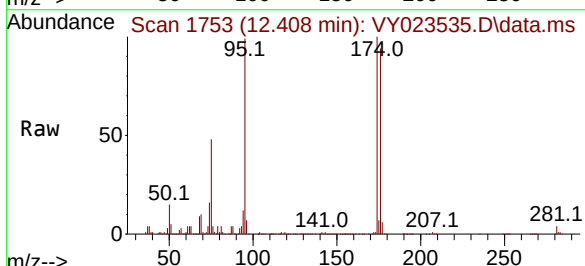
Instrument :
MSVOA_Y
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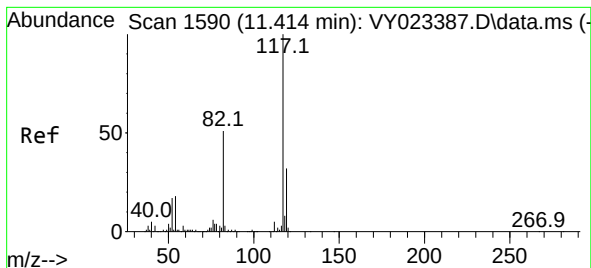
Tgt Ion: 98 Resp: 1314151
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 39.083 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023535.D
Acq: 21 Oct 2025 15:22

Tgt Ion: 95 Resp: 352021
Ion Ratio Lower Upper
95 100
174 97.7 0.0 192.8
176 93.1 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

VOC

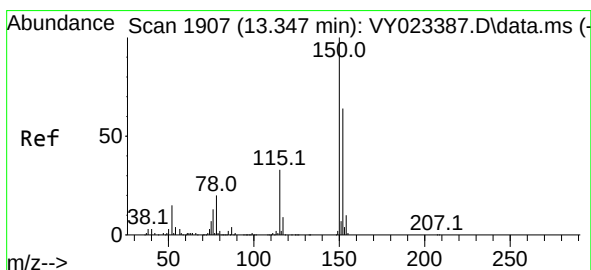
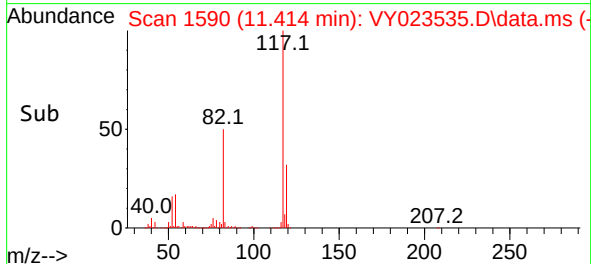
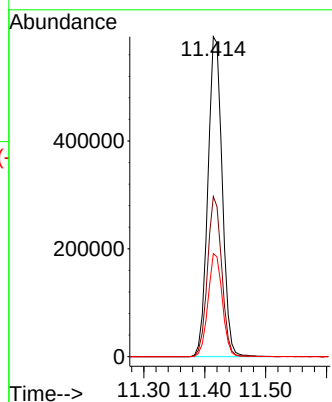
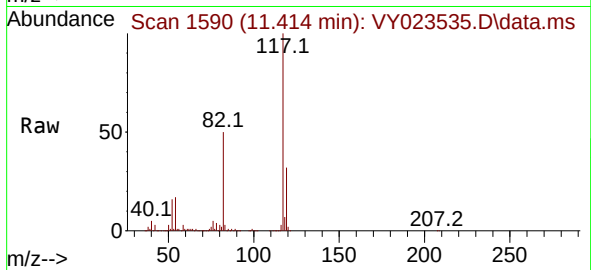
Tgt Ion:117 Resp: 968962

Ion Ratio Lower Upper

117 100

82 50.0 41.0 61.4

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023535.D

Acq: 21 Oct 2025 15:22

Tgt Ion:152 Resp: 369934

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 157.1 0.0 347.4

