

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022319.D
 Acq On : 19 May 2025 15:22
 Operator : SY/MD
 Sample : Q2062-19
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-5-VOC

Quant Time: May 20 01:15:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	83376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	124734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	81586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	25538	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	32586	35.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.520%
35) Dibromofluoromethane	7.634	113	34101	45.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.600%
50) Toluene-d8	10.103	98	136235	44.681	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.402	95	28267	29.248	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.500%

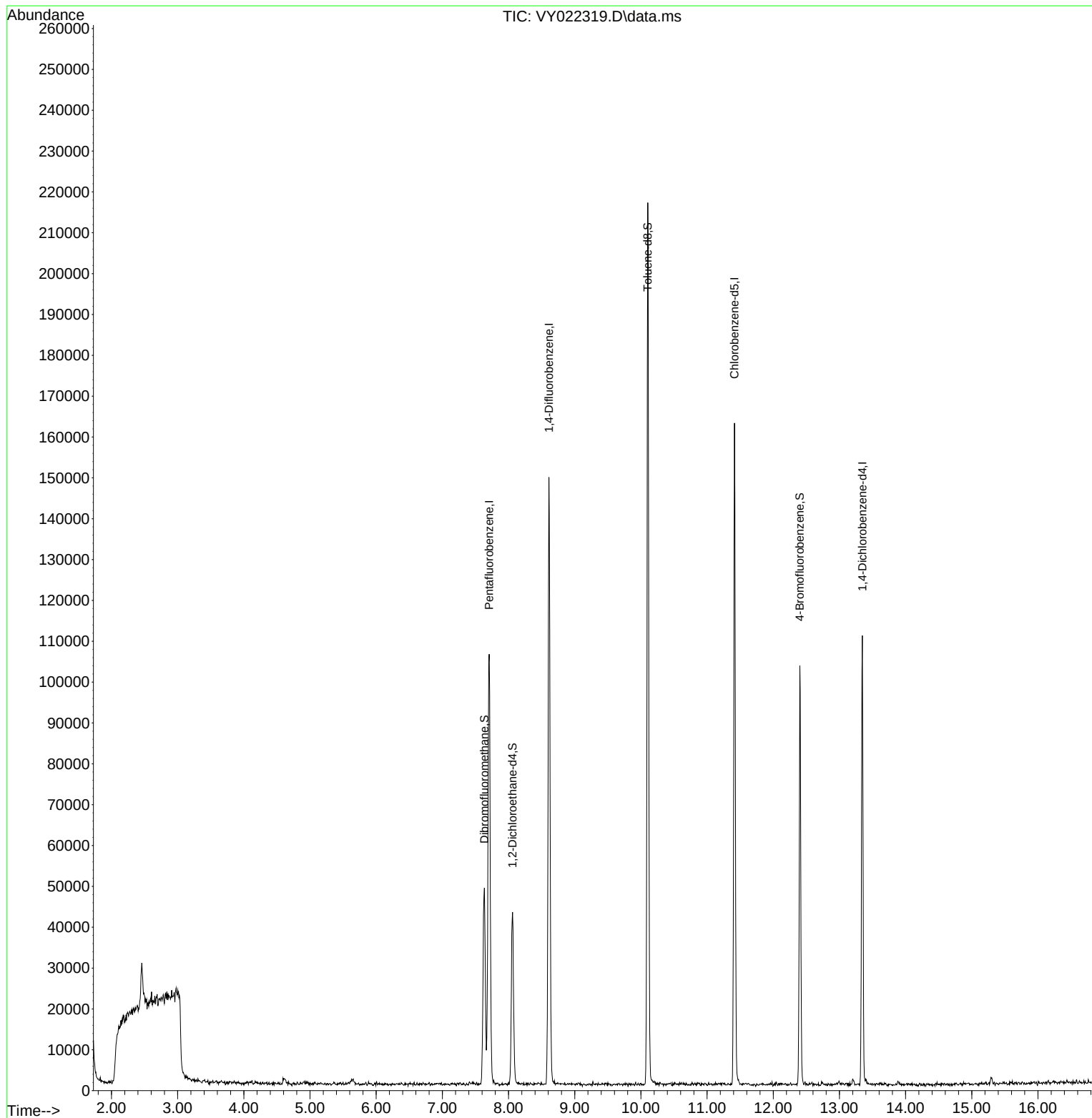
Target Compounds	Qvalue

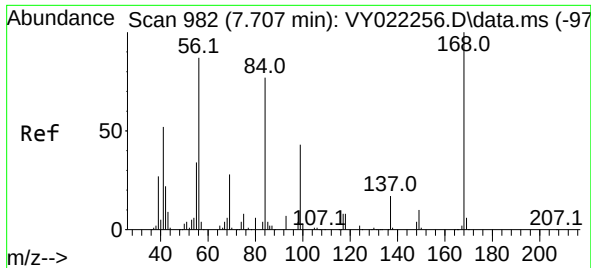
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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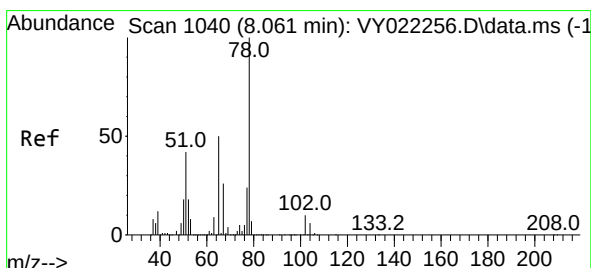
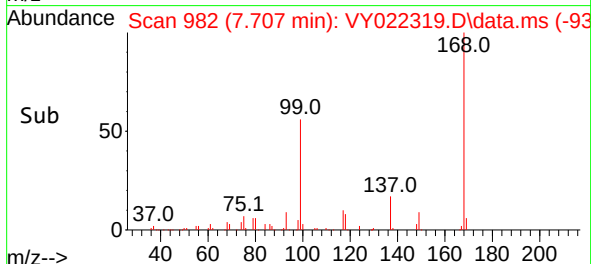
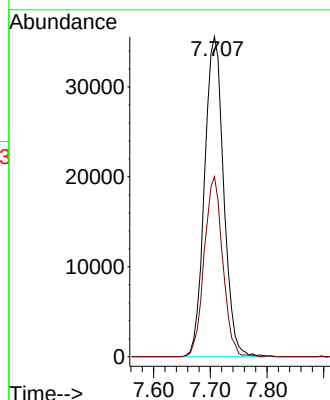
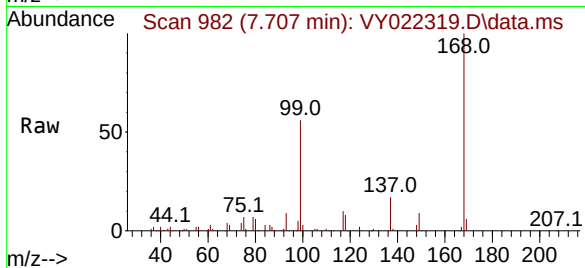




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

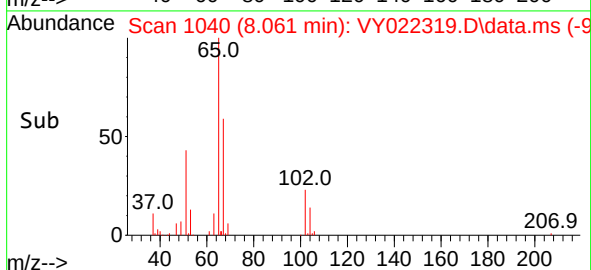
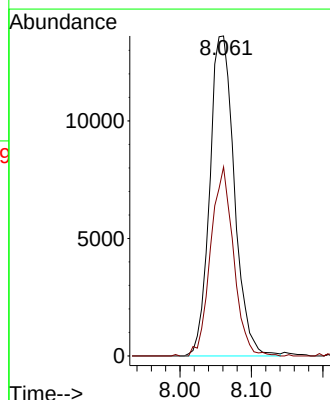
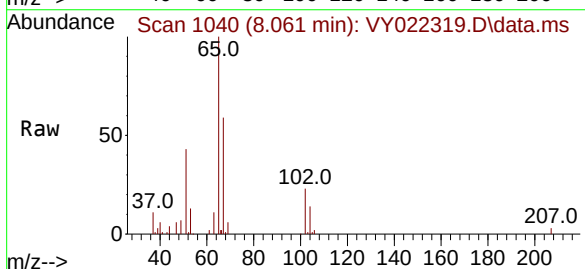
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

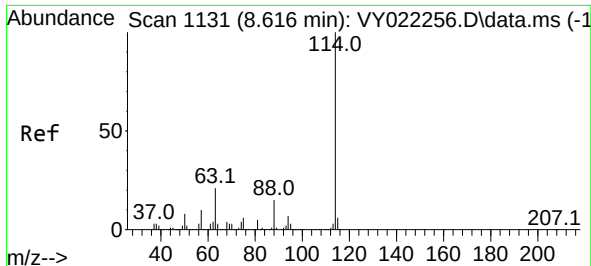
Tgt Ion:168 Resp: 83376
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 35.761 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion: 65 Resp: 32586
Ion Ratio Lower Upper
65 100
67 54.8 0.0 104.6

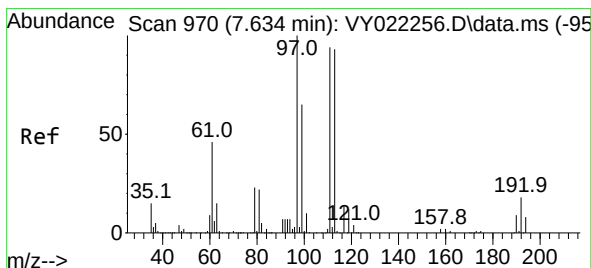
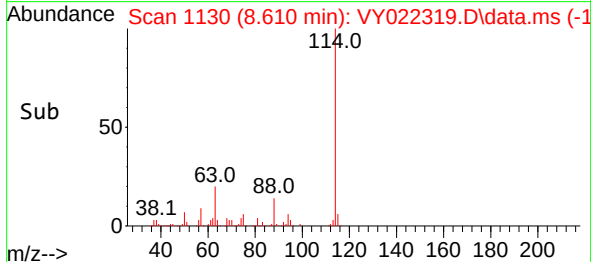
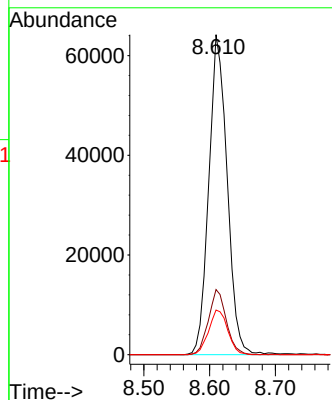
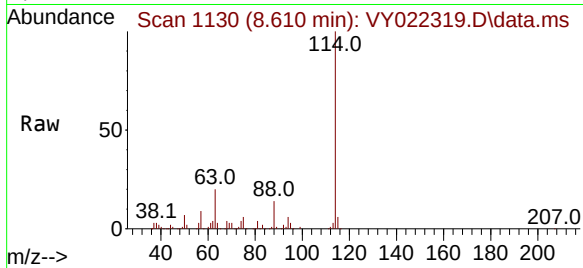




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

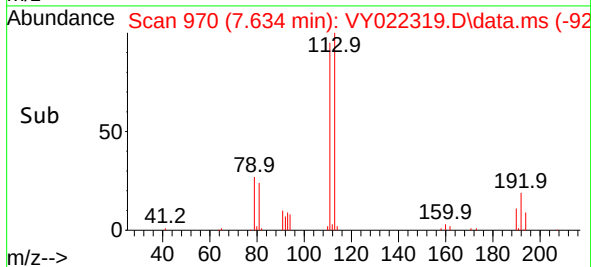
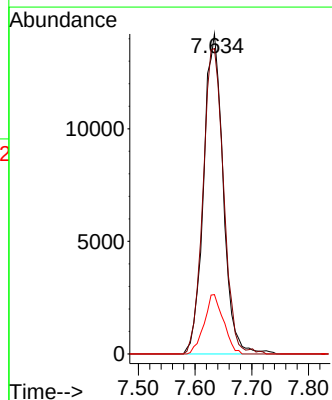
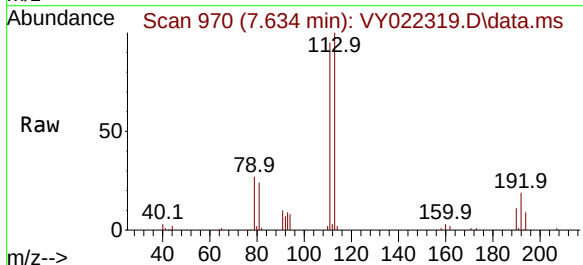
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

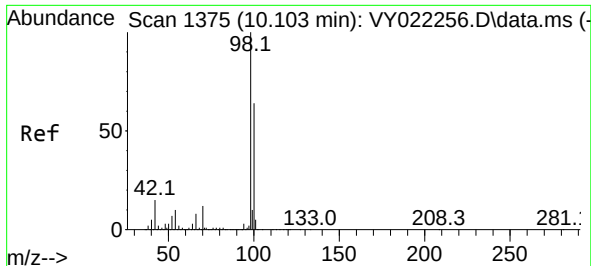
Tgt Ion:114 Resp: 124734
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 13.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 45.805 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion:113 Resp: 34101
Ion Ratio Lower Upper
113 100
111 100.0 82.6 123.8
192 18.3 15.2 22.8

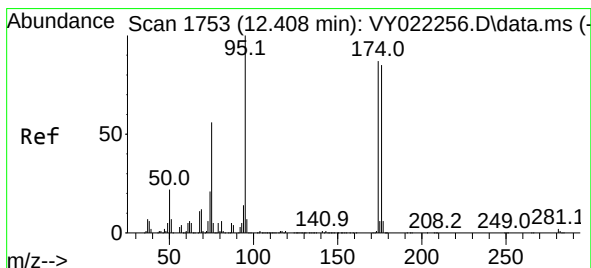
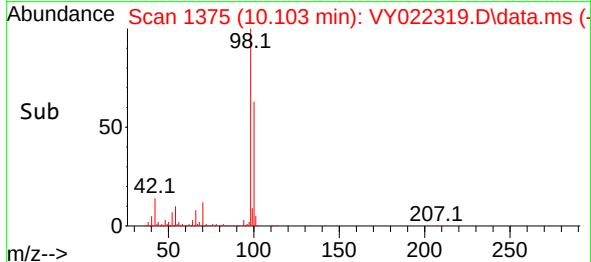
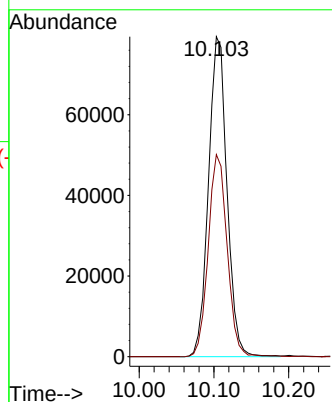
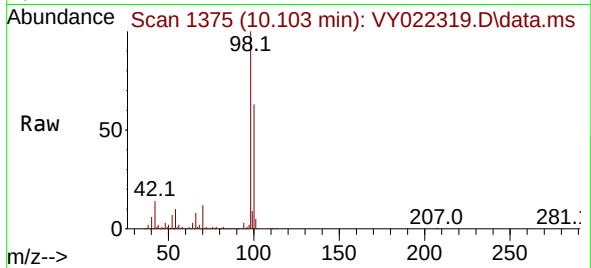




#50
Toluene-d8
Concen: 44.681 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

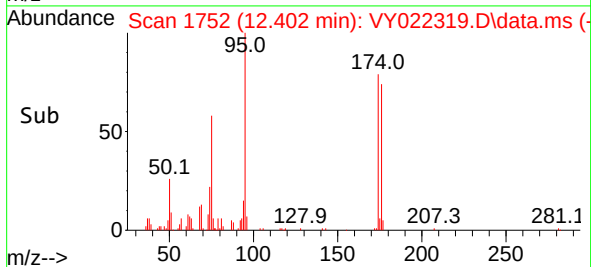
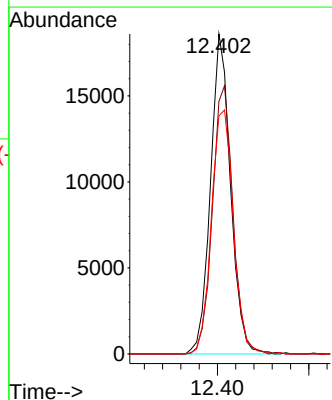
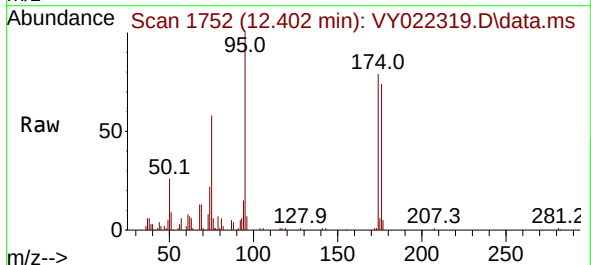
Instrument :
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L1-WC-5-VOC

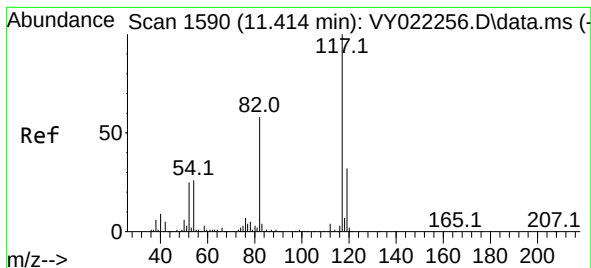
Tgt Ion: 98 Resp: 136235
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 29.248 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion: 95 Resp: 28267
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 83.6 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022319.D

Acq: 19 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-5-VOC

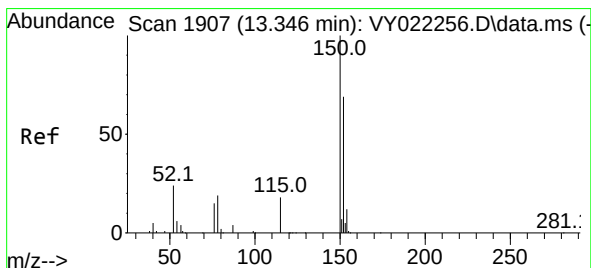
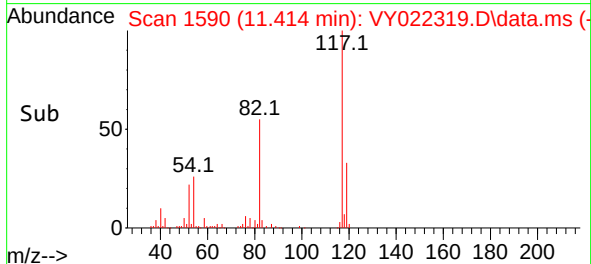
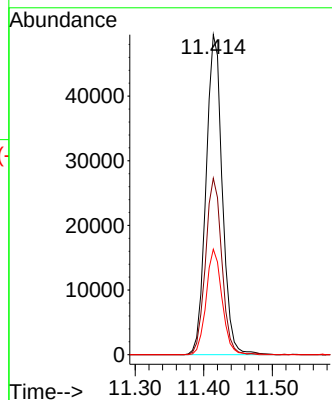
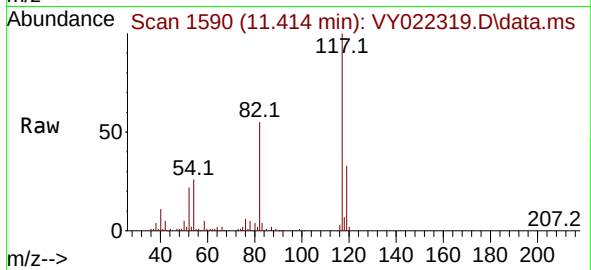
Tgt Ion:117 Resp: 81586

Ion Ratio Lower Upper

117 100

82 55.1 46.6 70.0

119 33.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022319.D

Acq: 19 May 2025 15:22

Tgt Ion:152 Resp: 25538

Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

150 158.1 0.0 353.8

