

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021847.D
 Acq On : 10 Apr 2025 18:44
 Operator : SY/MD
 Sample : Q1760-03
 Misc : 6.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-VOC

Quant Time: Apr 11 01:53:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	237207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	432732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141524	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143136	55.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.380%
35) Dibromofluoromethane	7.634	113	149052	53.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.200%
50) Toluene-d8	10.109	98	522902	48.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.940%
62) 4-Bromofluorobenzene	12.408	95	148163	41.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.040%

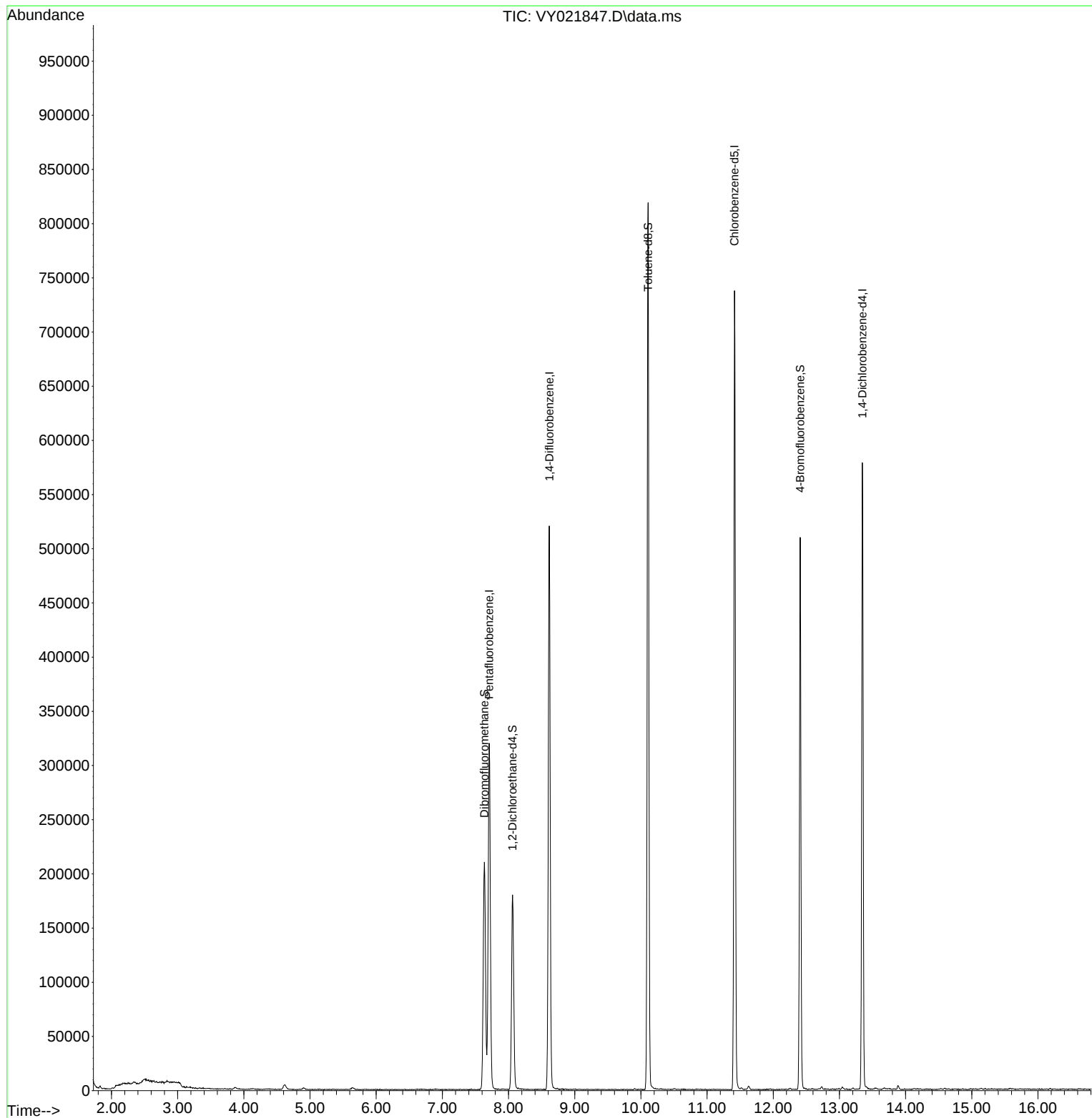
Target Compounds	Qvalue

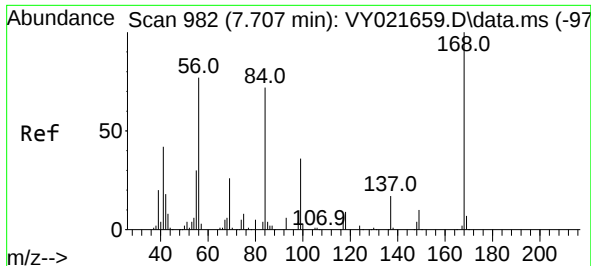
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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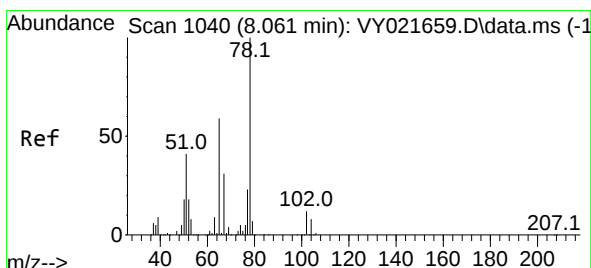
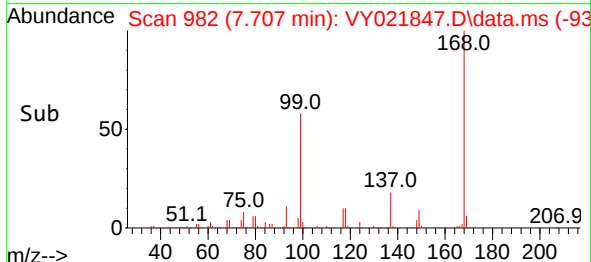
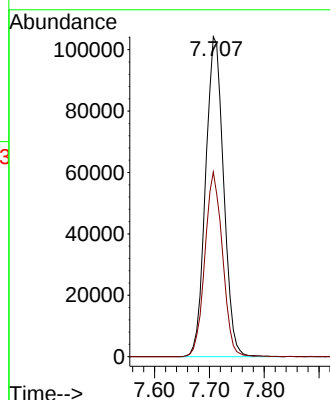
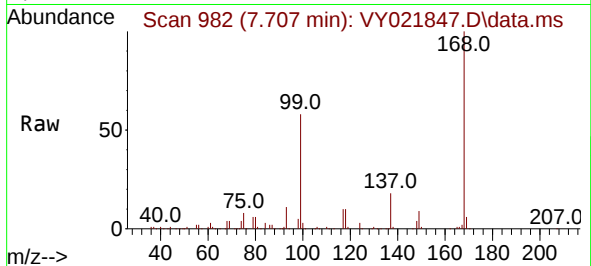




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

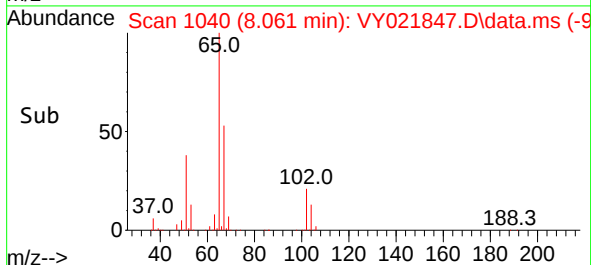
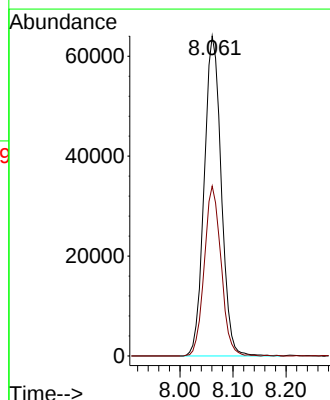
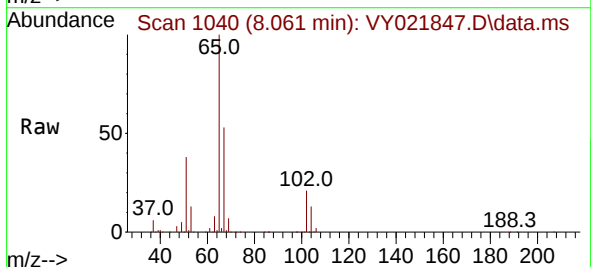
Instrument :
MSVOA_Y
ClientSampleId :
TP-17-VOC

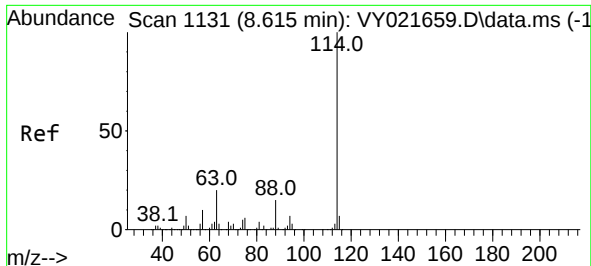
Tgt Ion:168 Resp: 237207
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.693 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

Tgt Ion: 65 Resp: 143136
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6

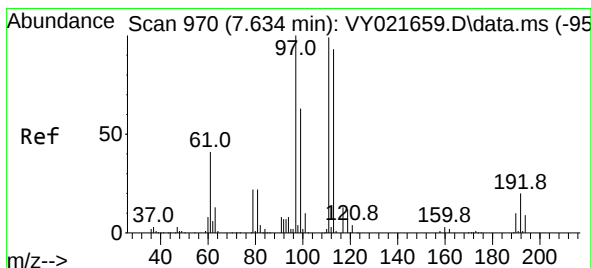
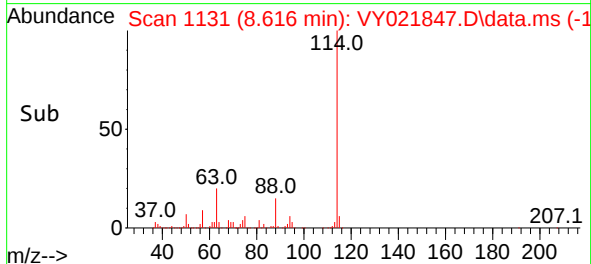
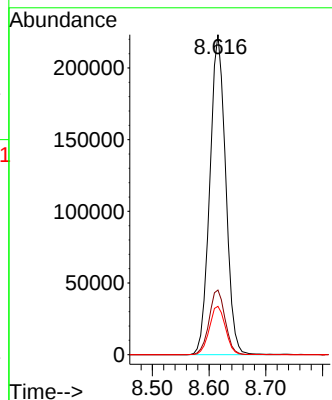
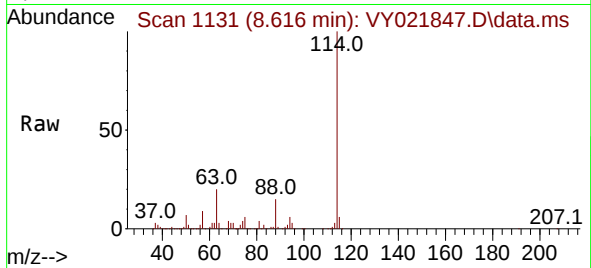




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

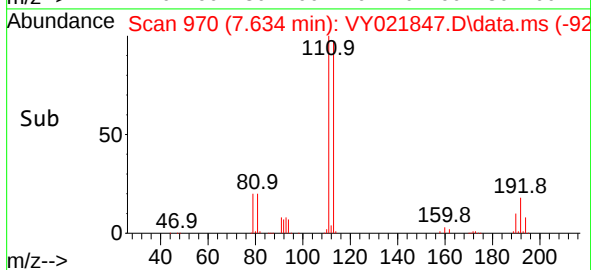
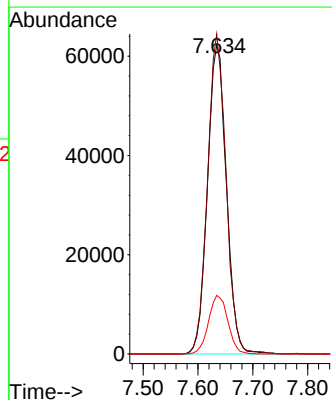
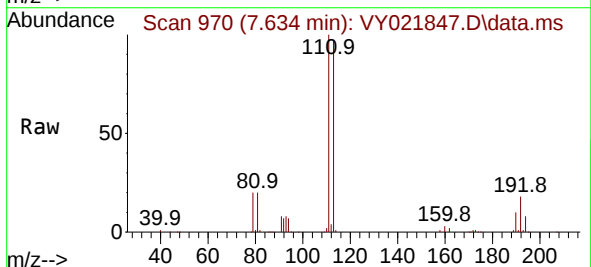
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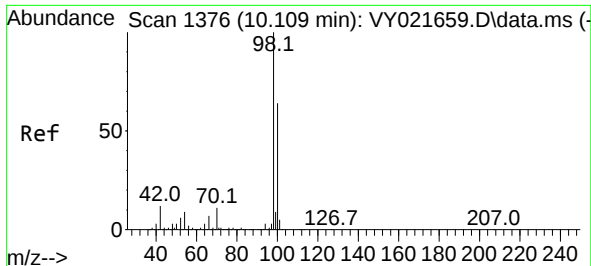
Tgt Ion:114 Resp: 432732
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.2
88 15.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.099 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

Tgt Ion:113 Resp: 149052
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 19.4 16.2 24.4

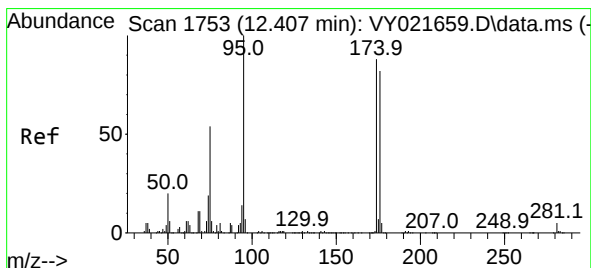
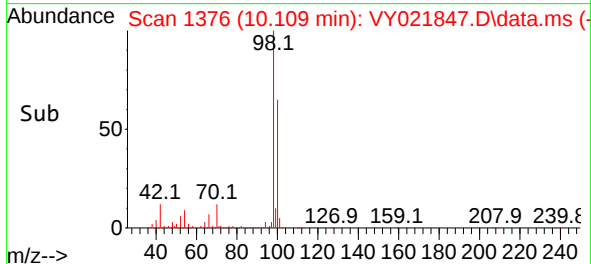
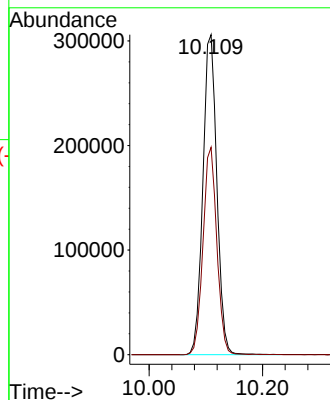
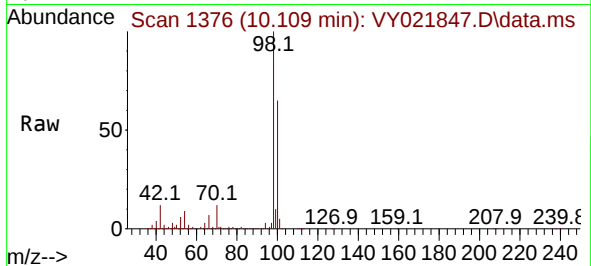




#50
Toluene-d8
Concen: 48.966 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

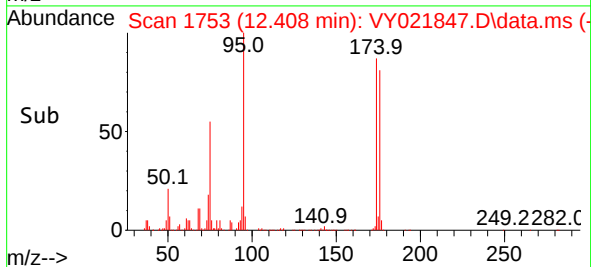
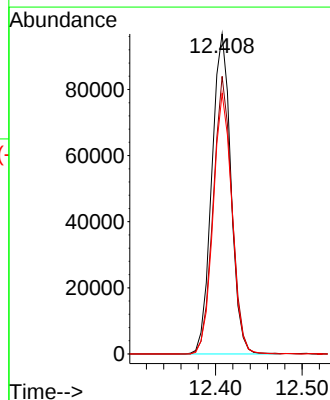
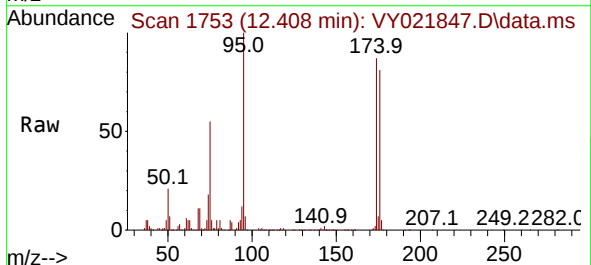
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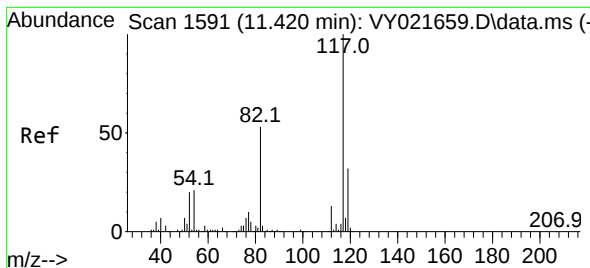
Tgt Ion: 98 Resp: 522902
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

Tgt Ion: 95 Resp: 148163
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.8
176 80.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021847.D

Acq: 10 Apr 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-17-VOC

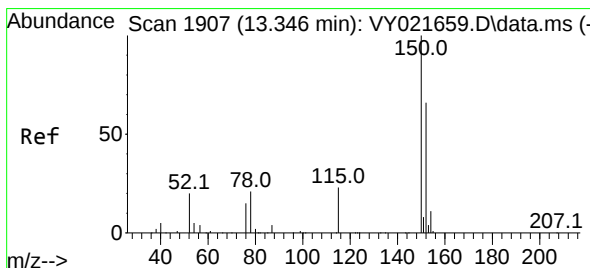
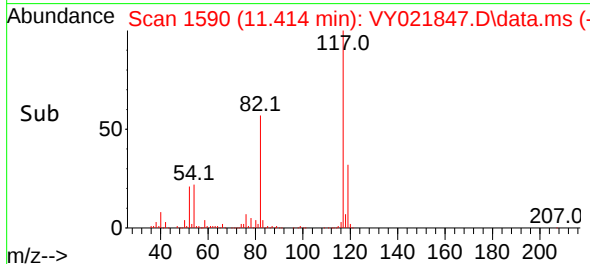
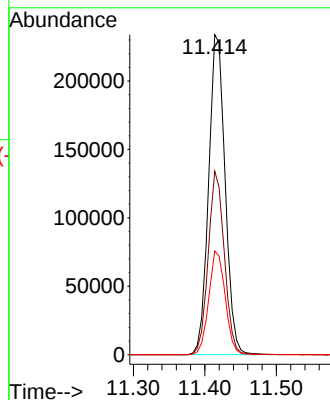
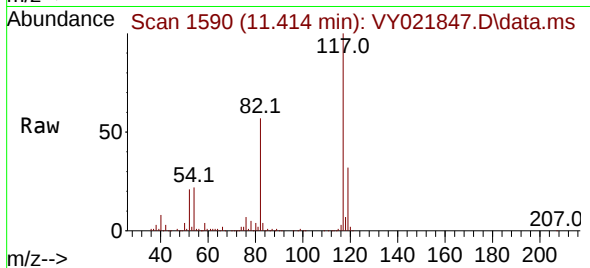
Tgt Ion:117 Resp: 375026

Ion Ratio Lower Upper

117 100

82 57.4 42.8 64.2

119 32.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021847.D

Acq: 10 Apr 2025 18:44

Tgt Ion:152 Resp: 141524

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.6 0.0 348.4

