

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021930.D
 Acq On : 18 Apr 2025 14:57
 Operator : SY/MD
 Sample : Q1832-32
 Misc : 6.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-6

Quant Time: Apr 19 01:14:07 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	217902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	125325	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126872	53.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.480%
35) Dibromofluoromethane	7.634	113	136798	51.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.940%
50) Toluene-d8	10.109	98	490280	48.961	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.408	95	133054	39.282	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.560%

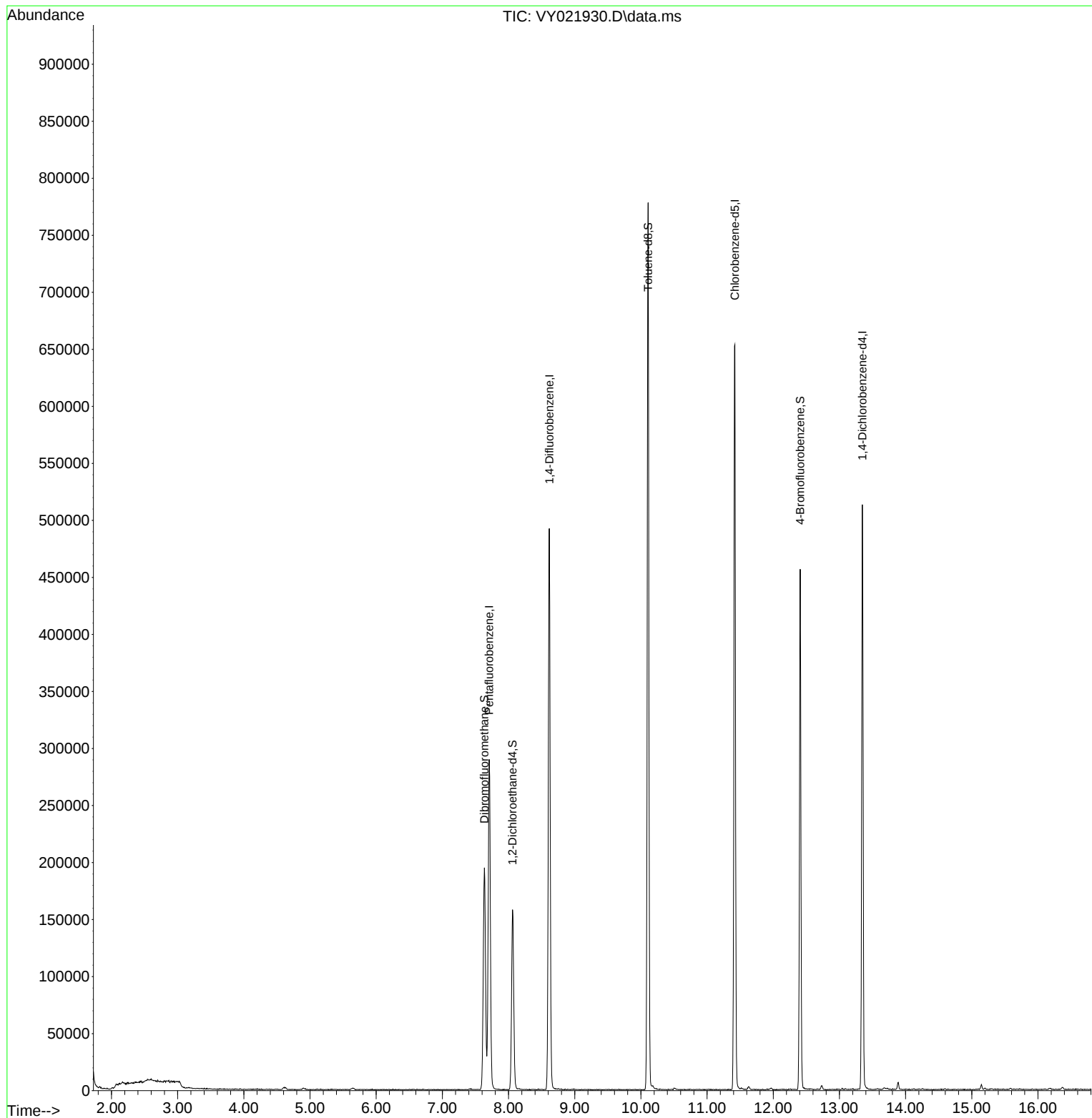
Target Compounds	Qvalue

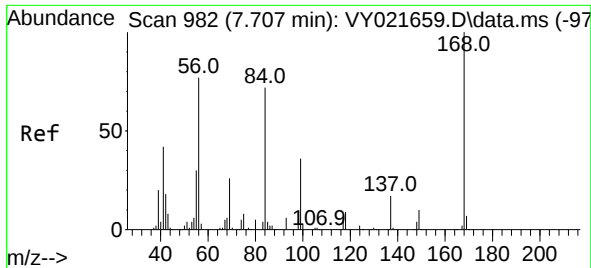
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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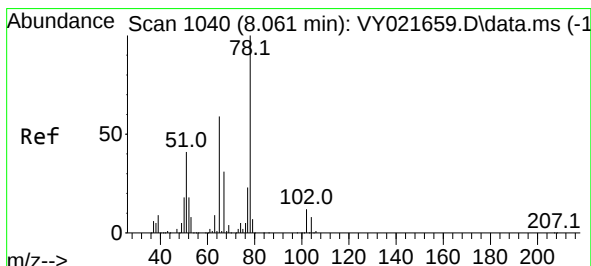
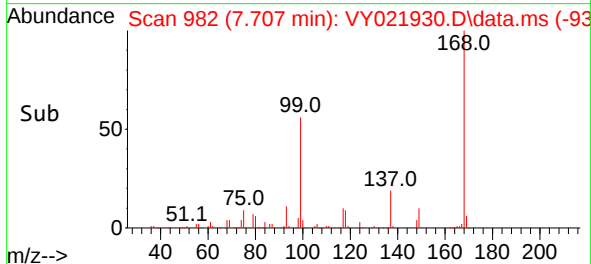
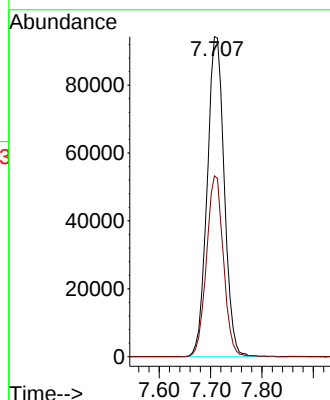
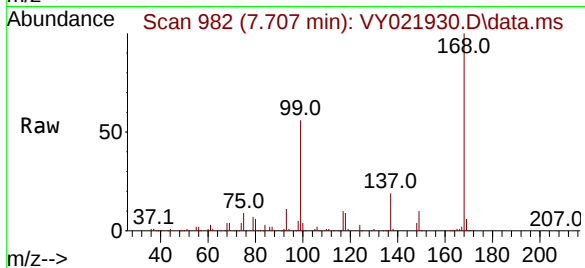




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021930.D
Acq: 18 Apr 2025 14:57

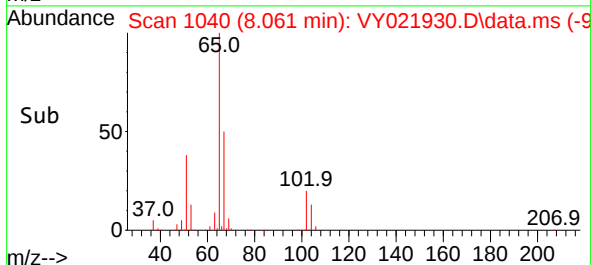
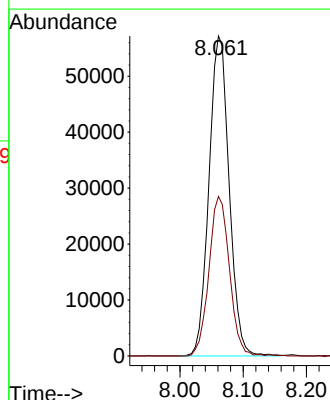
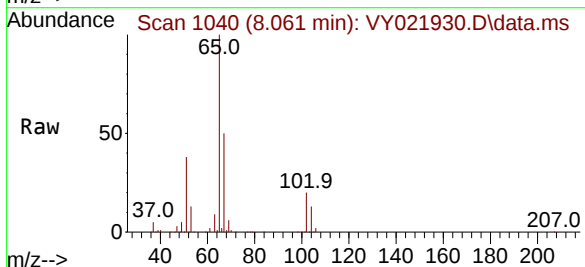
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-6

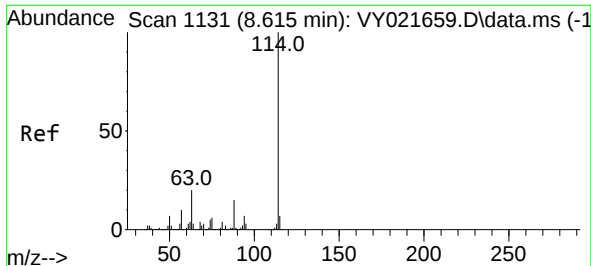
Tgt Ion:168 Resp: 217902
Ion Ratio Lower Upper
168 100
99 56.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 53.739 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021930.D
Acq: 18 Apr 2025 14:57

Tgt Ion: 65 Resp: 126872
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.6

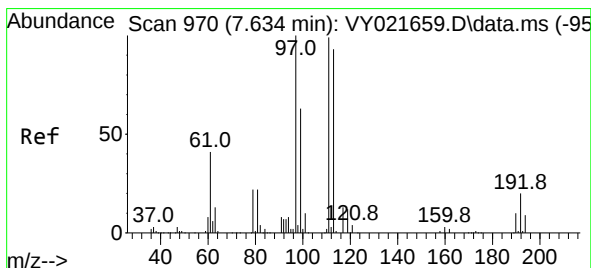
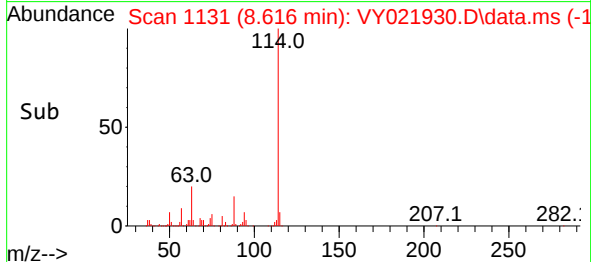
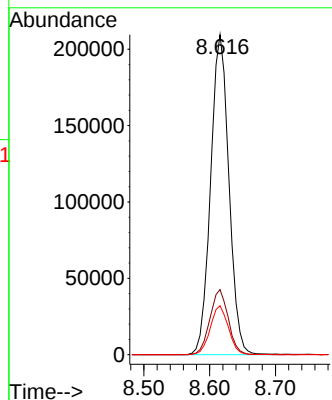
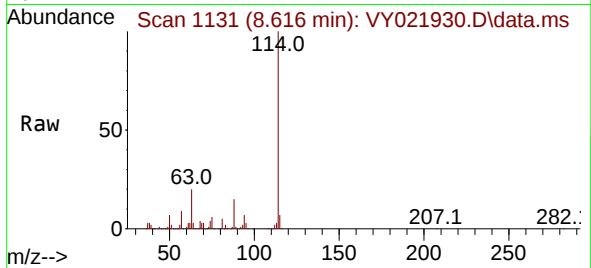




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021930.D
Acq: 18 Apr 2025 14:57

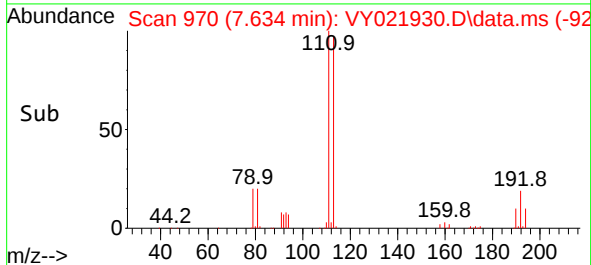
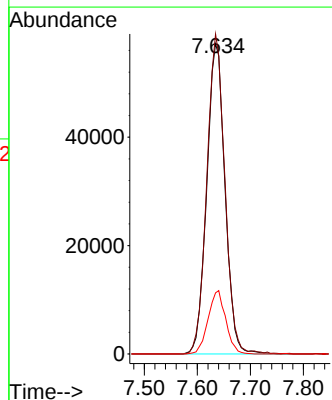
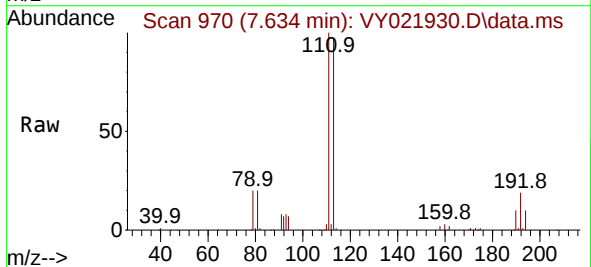
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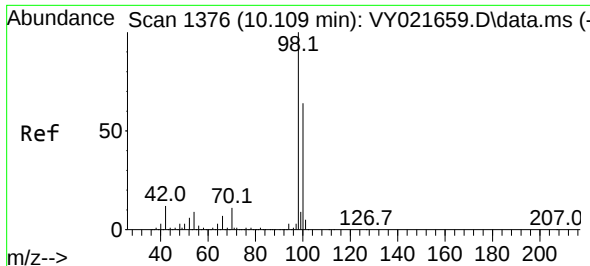
Tgt Ion:114 Resp: 405779
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.2
88 15.3 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.971 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021930.D
Acq: 18 Apr 2025 14:57

Tgt Ion:113 Resp: 136798
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.8 16.2 24.4

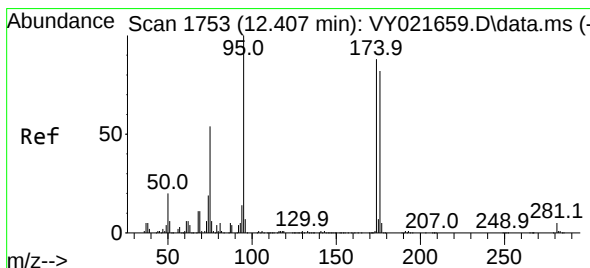
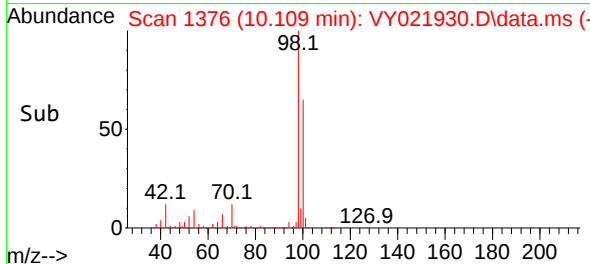
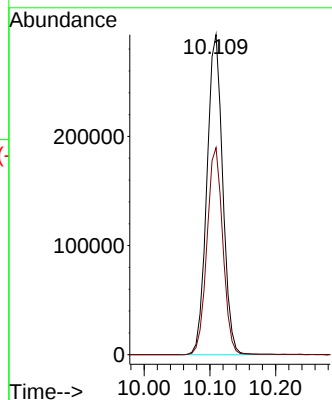
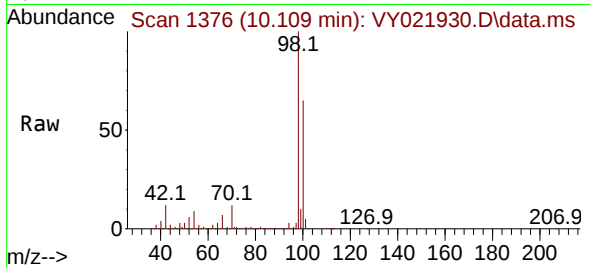




#50
Toluene-d8
Concen: 48.961 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021930.D
Acq: 18 Apr 2025 14:57

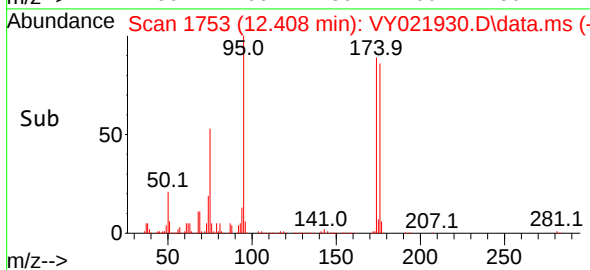
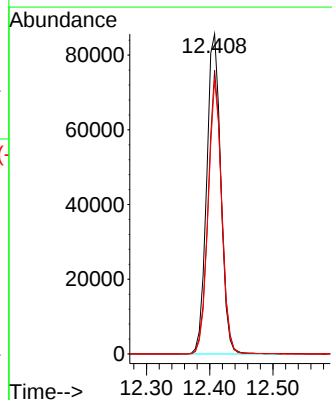
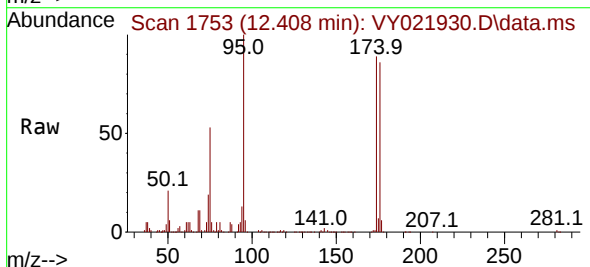
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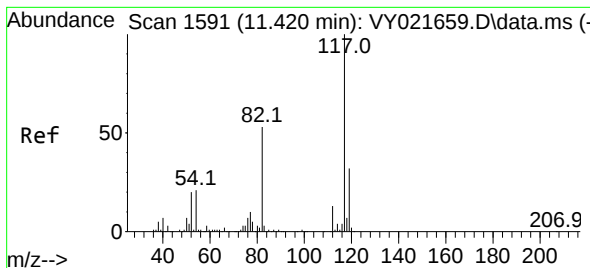
Tgt Ion: 98 Resp: 490280
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 39.282 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021930.D
Acq: 18 Apr 2025 14:57

Tgt Ion: 95 Resp: 133054
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.8
176 81.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021930.D

Acq: 18 Apr 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-6

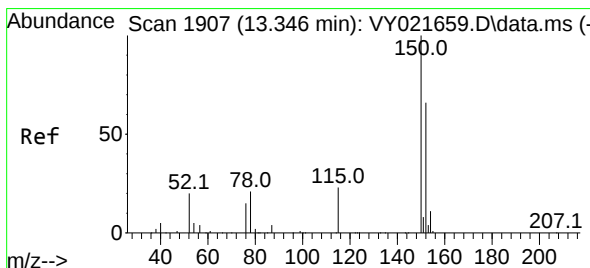
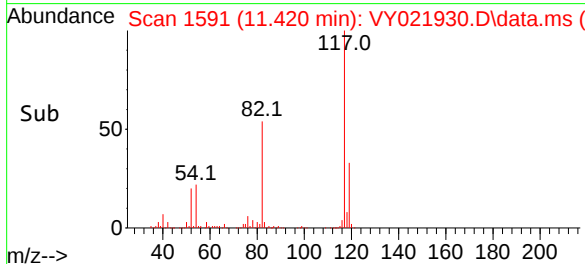
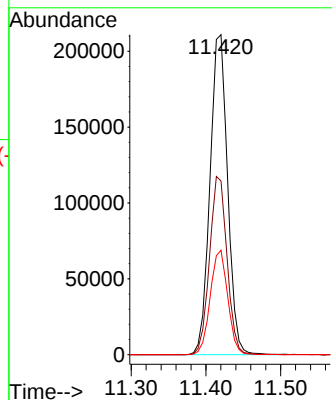
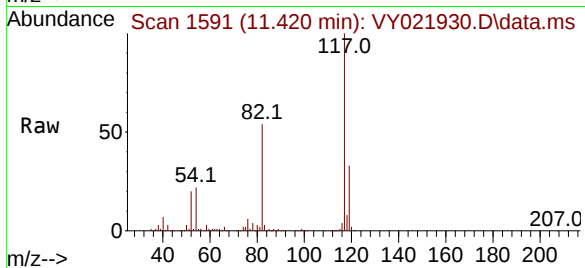
Tgt Ion:117 Resp: 345081

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

119 32.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021930.D

Acq: 18 Apr 2025 14:57

Tgt Ion:152 Resp: 125325

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 154.6 0.0 348.4

