

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021890.D
 Acq On : 15 Apr 2025 12:52
 Operator : SY/MD
 Sample : Q1807-01
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-041425

Quant Time: Apr 16 03:01:32 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	245631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	444107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132979	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126302	47.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.920%
35) Dibromofluoromethane	7.634	113	143397	49.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.109	98	527648	48.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.407	95	140156	37.808	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.620%

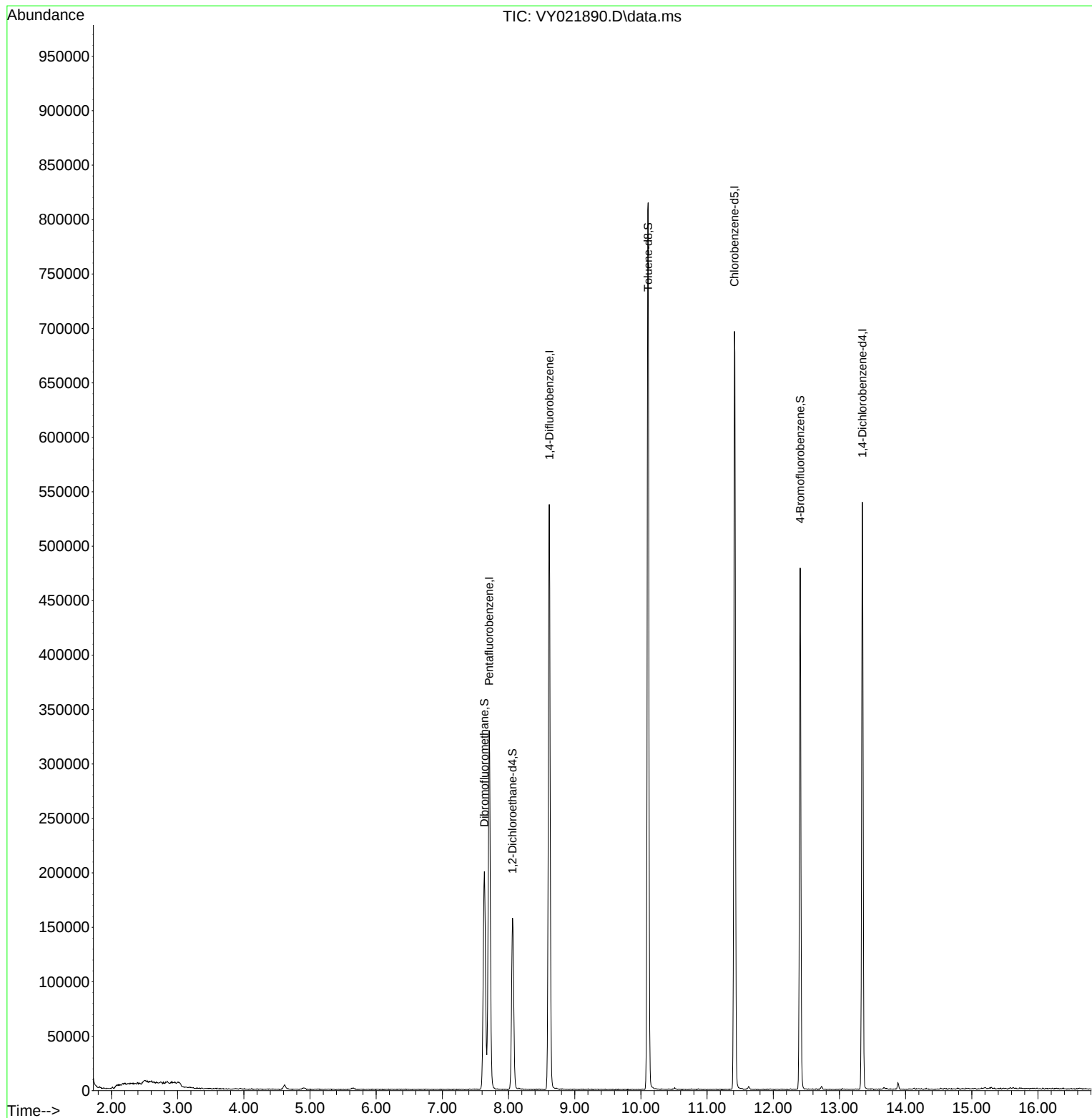
Target Compounds	Qvalue

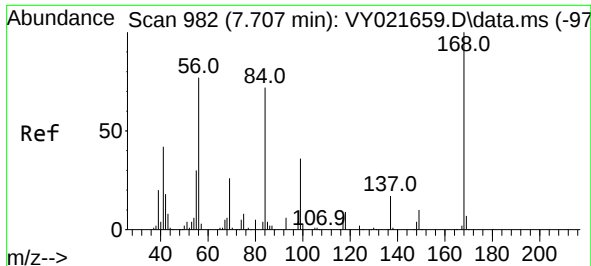
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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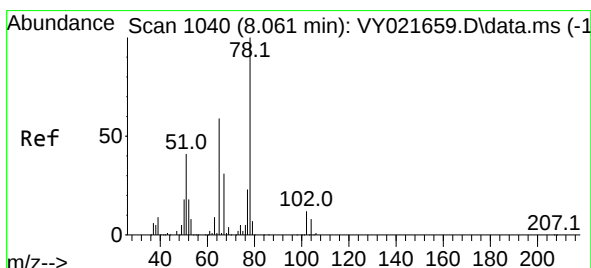
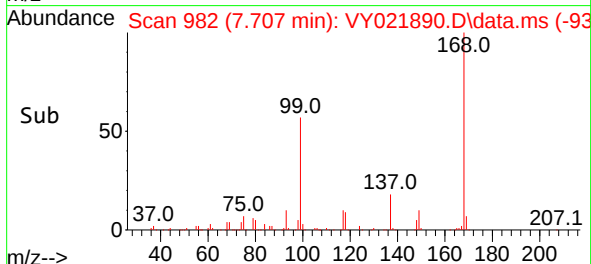
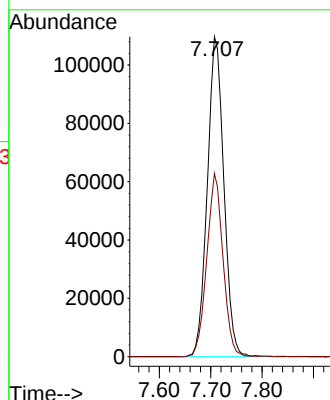
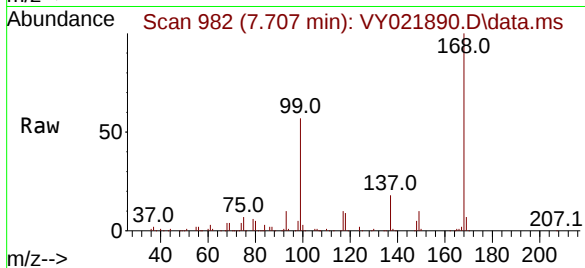




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

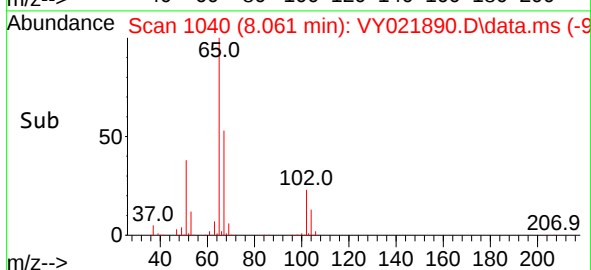
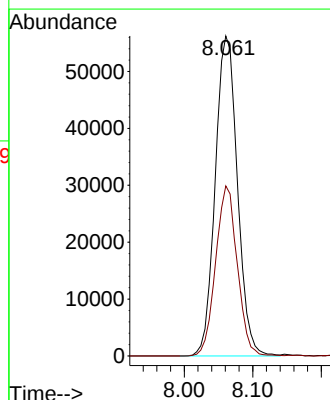
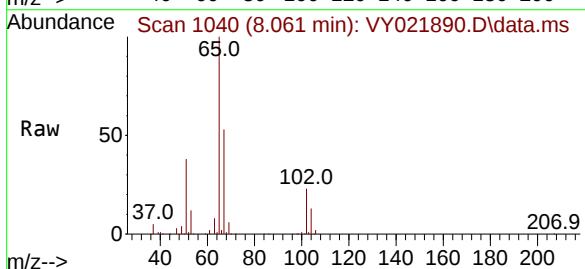
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041425

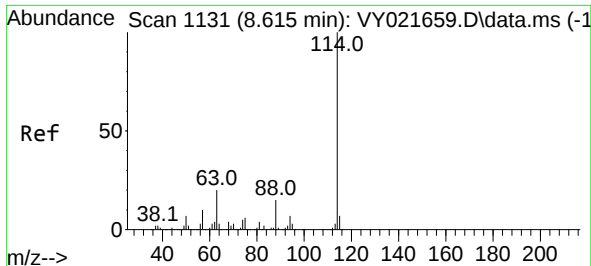
Tgt Ion:168 Resp: 245631
Ion Ratio Lower Upper
168 100
99 57.3 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 47.458 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

Tgt Ion: 65 Resp: 126302
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021890.D

Acq: 15 Apr 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-041425

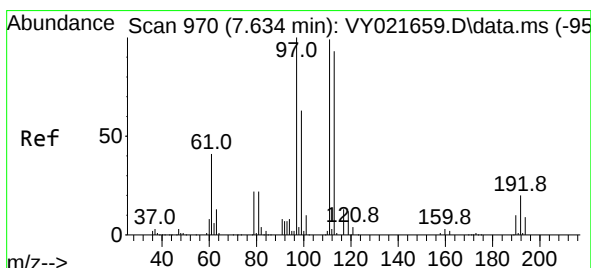
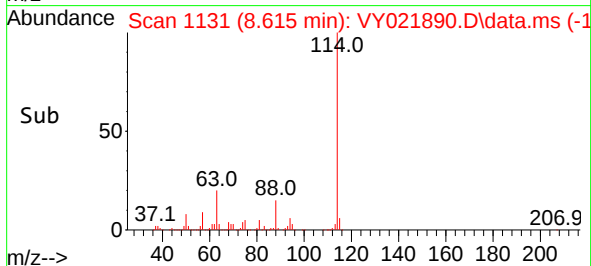
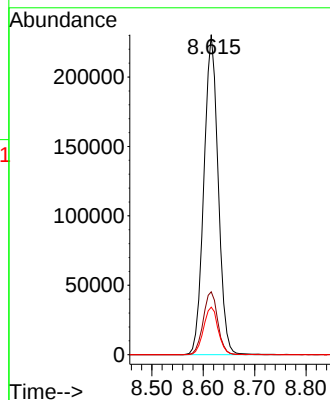
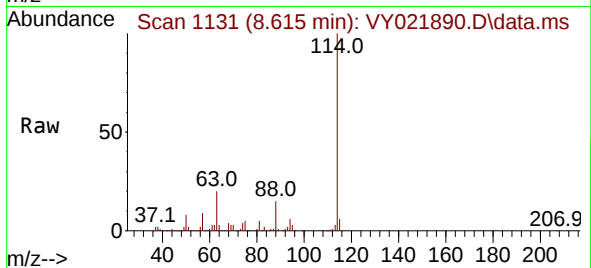
Tgt Ion:114 Resp: 444107

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 14.9 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.776 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021890.D

Acq: 15 Apr 2025 12:52

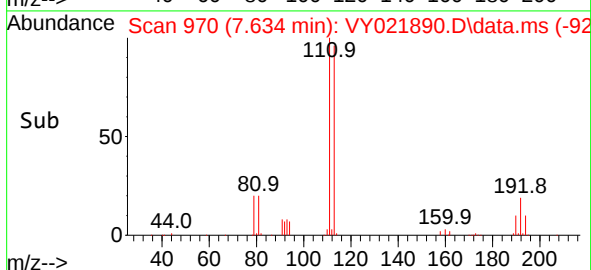
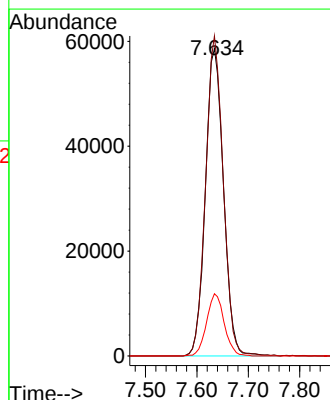
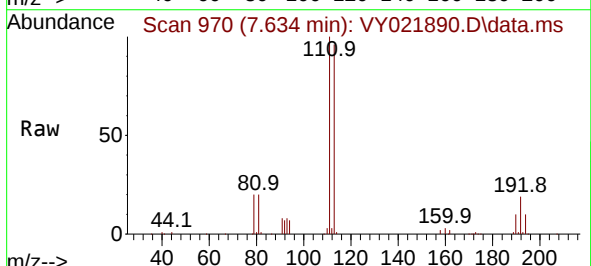
Tgt Ion:113 Resp: 143397

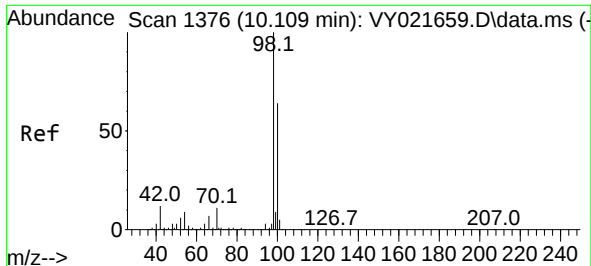
Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 19.7 16.2 24.4

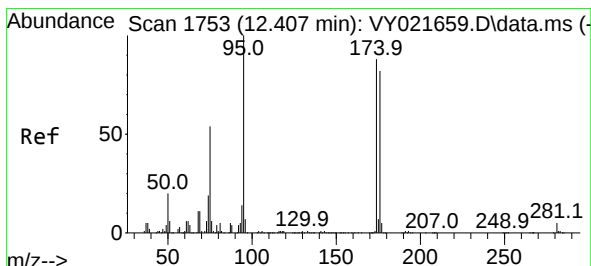
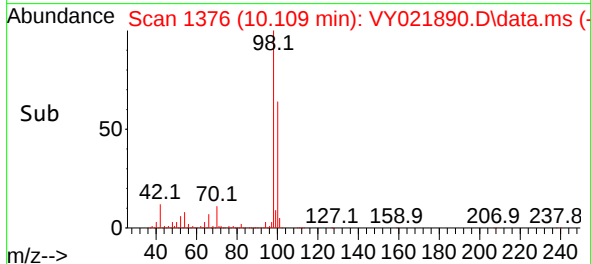
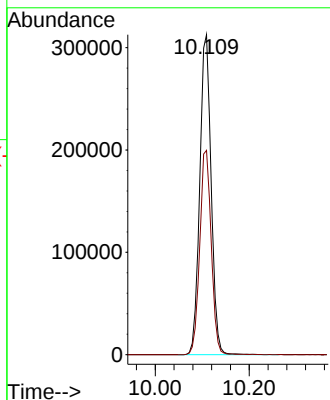
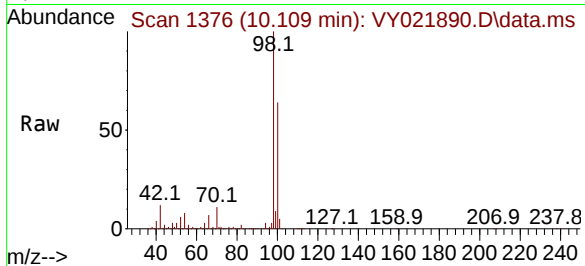




#50
Toluene-d8
Concen: 48.145 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

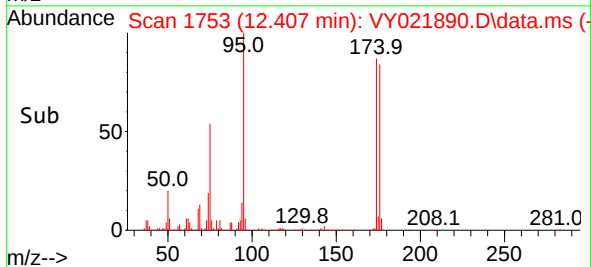
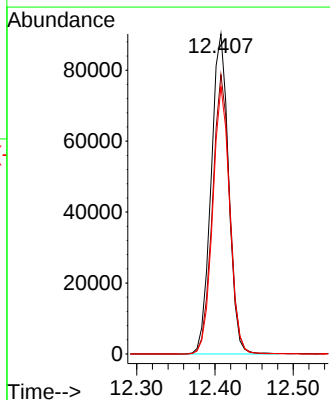
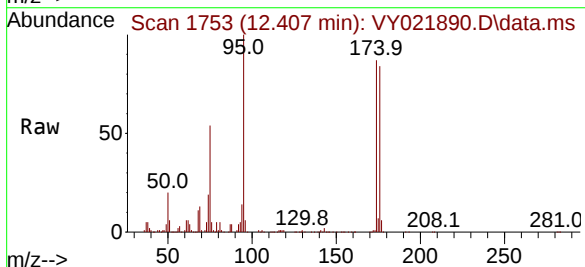
Instrument :
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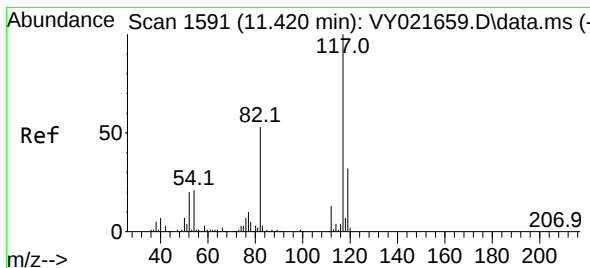
Tgt Ion: 98 Resp: 527648
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.808 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

Tgt Ion: 95 Resp: 140156
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.8
176 81.2 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: VY021890.D

Acq: 15 Apr 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-041425

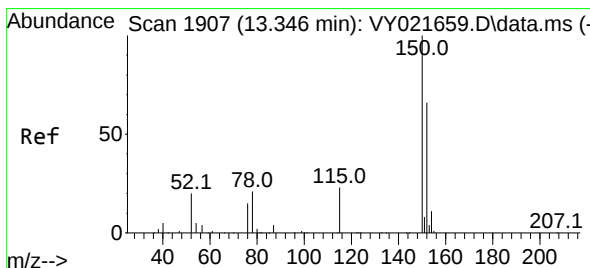
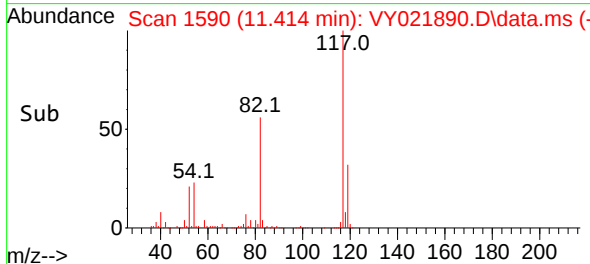
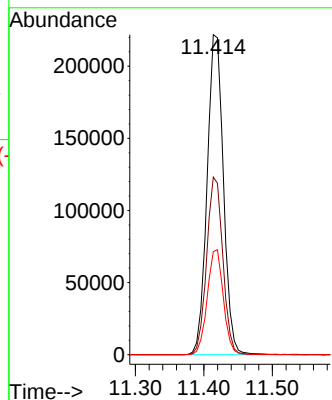
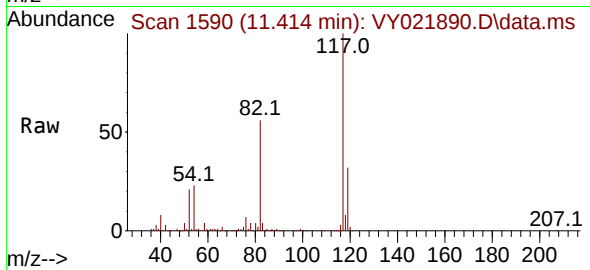
Tgt Ion:117 Resp: 368178

Ion Ratio Lower Upper

117 100

82 55.5 42.8 64.2

119 32.2 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: VY021890.D

Acq: 15 Apr 2025 12:52

Tgt Ion:152 Resp: 132979

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 155.5 0.0 348.4

