

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022241.D
 Acq On : 13 May 2025 14:26
 Operator : SY/MD
 Sample : Q1983-20
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-04

Quant Time: May 13 14:53:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	208196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	357022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	298851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	113233	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107855	56.085	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.160%
35) Dibromofluoromethane	7.634	113	121706	51.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.200%
50) Toluene-d8	10.109	98	402604	45.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.560%
62) 4-Bromofluorobenzene	12.408	95	100959	33.726	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.460%

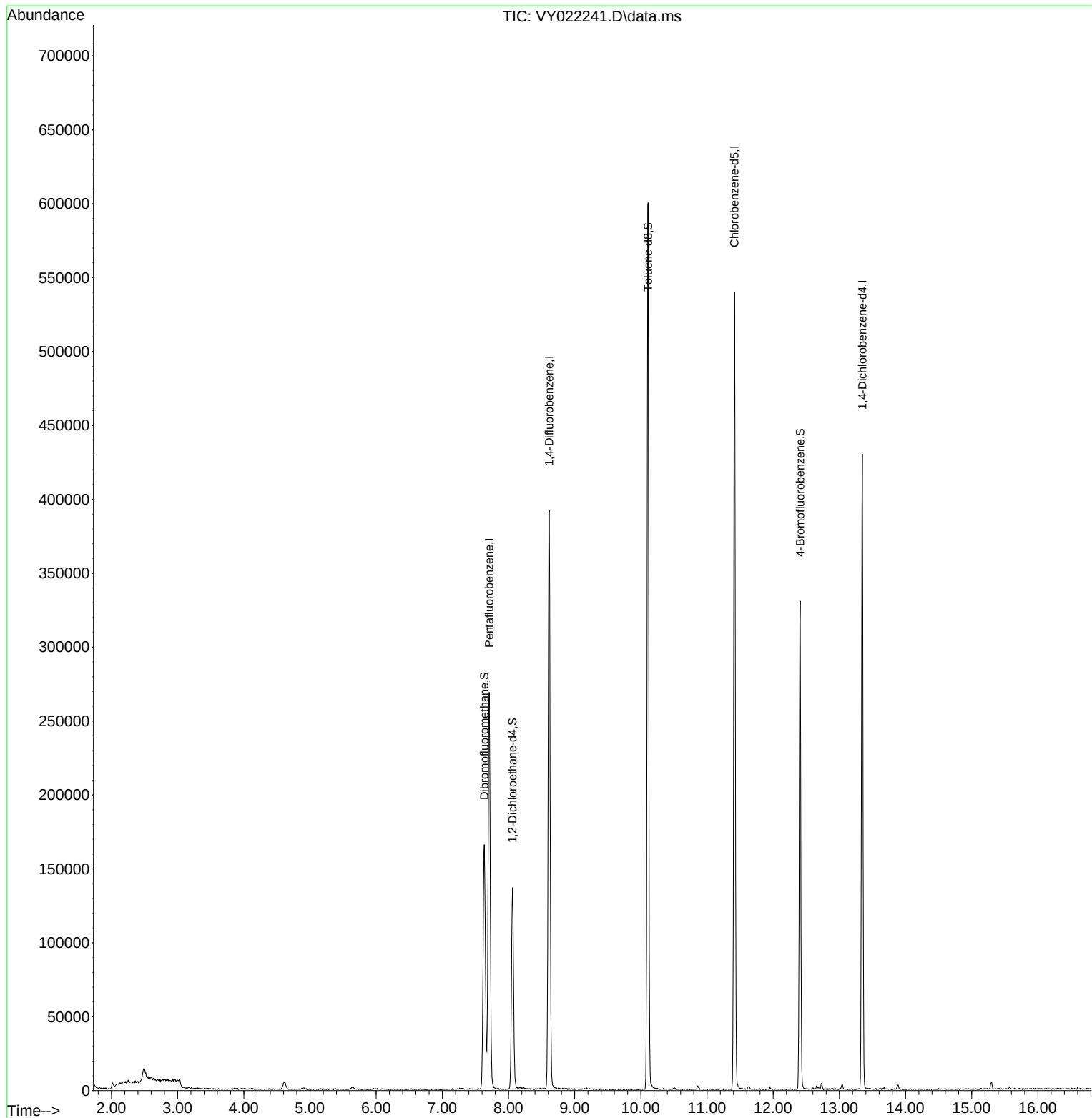
Target Compounds	Qvalue

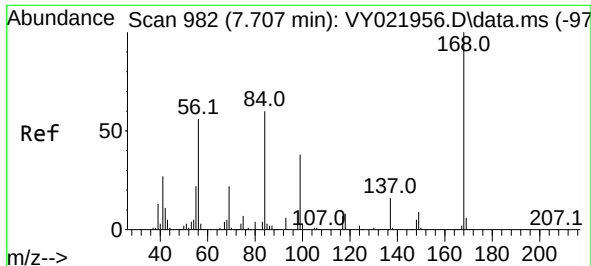
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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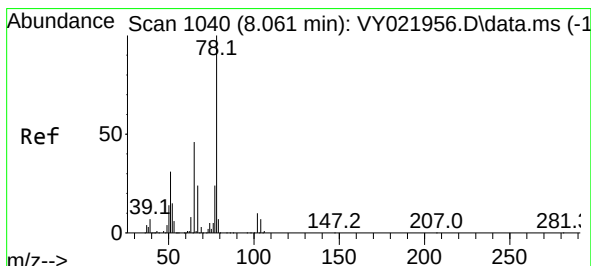
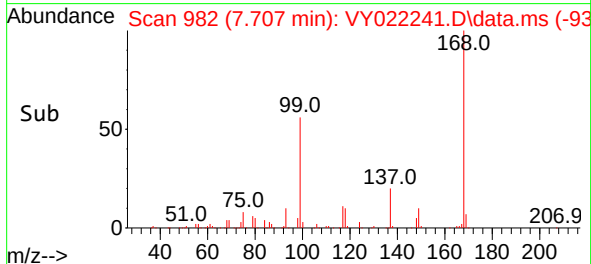
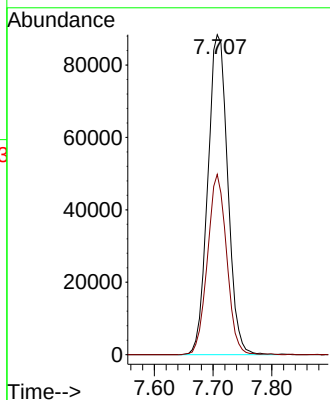
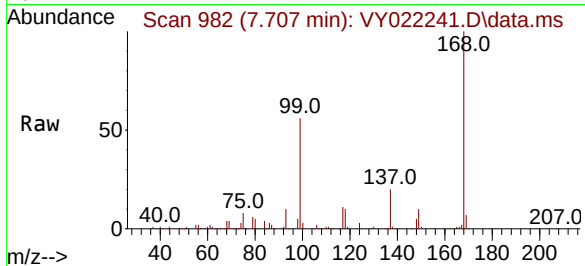




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022241.D
Acq: 13 May 2025 14:26

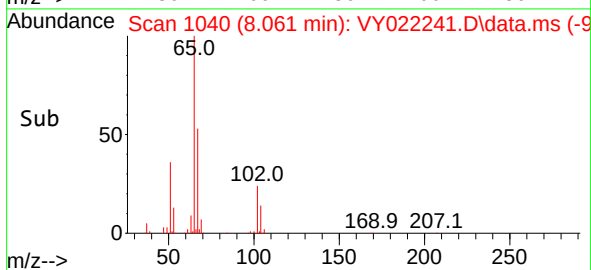
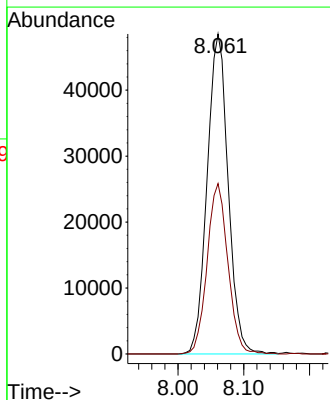
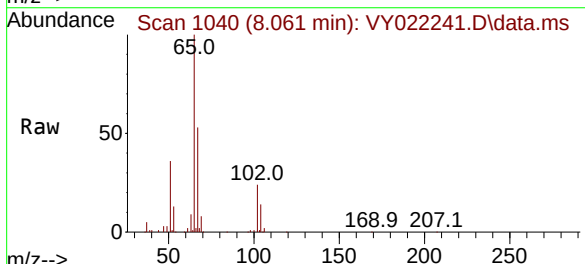
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-04

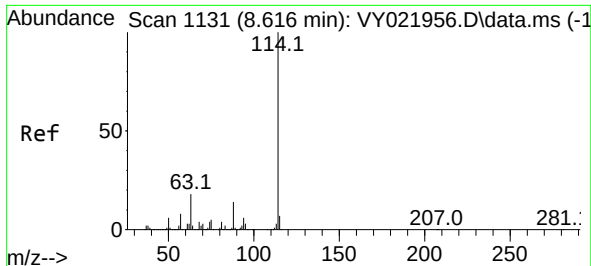
Tgt Ion:168 Resp: 208196
Ion Ratio Lower Upper
168 100
99 56.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 56.085 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022241.D
Acq: 13 May 2025 14:26

Tgt Ion: 65 Resp: 107855
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

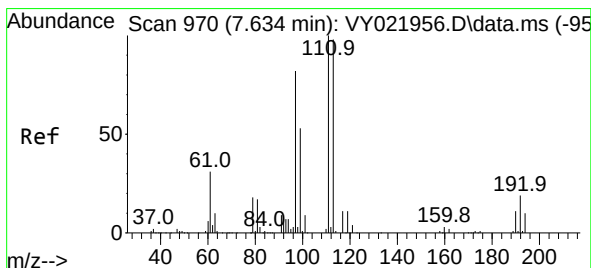
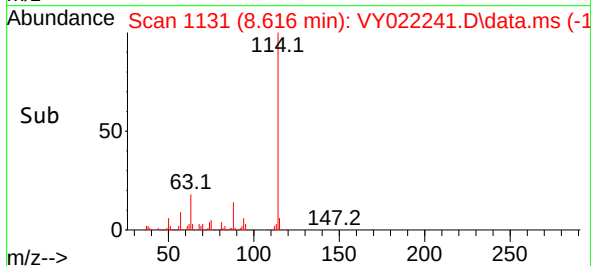
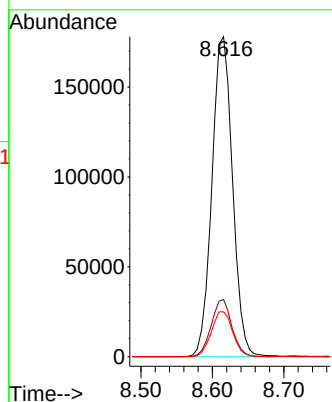
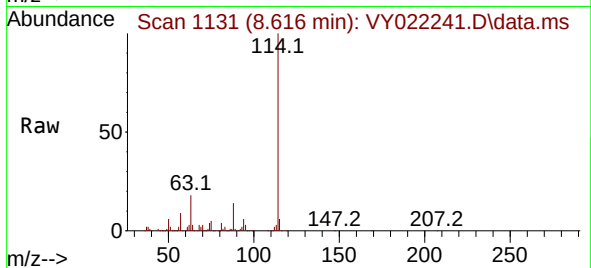




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022241.D
Acq: 13 May 2025 14:26

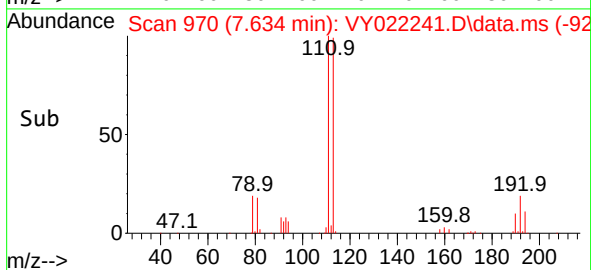
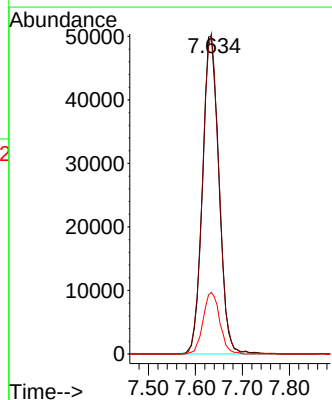
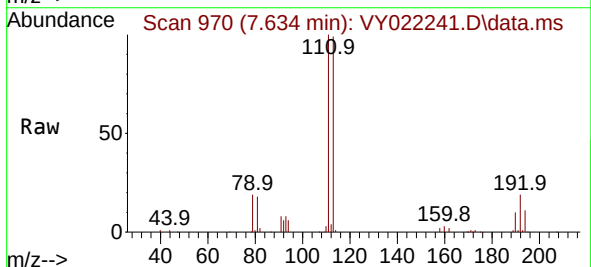
Instrument :
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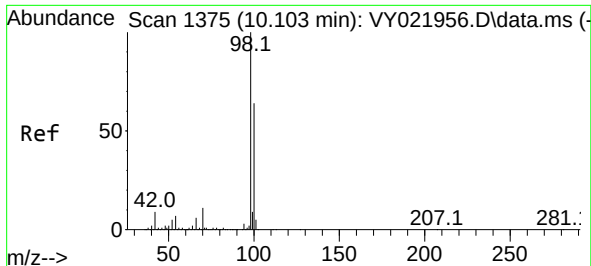
Tgt Ion:114 Resp: 357022
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.4
88 14.0 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.599 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022241.D
Acq: 13 May 2025 14:26

Tgt Ion:113 Resp: 121706
Ion Ratio Lower Upper
113 100
111 100.2 81.8 122.8
192 19.5 15.6 23.4

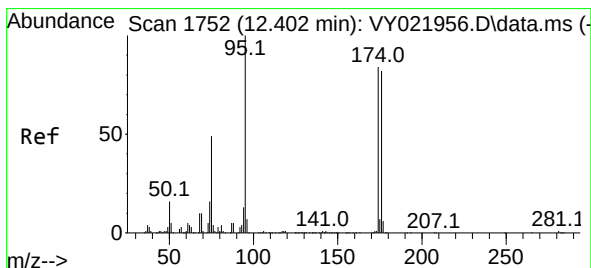
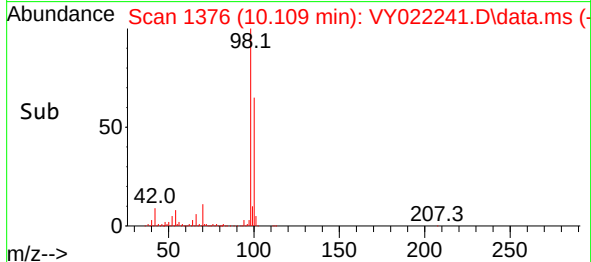
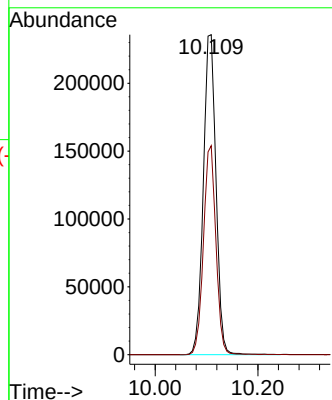
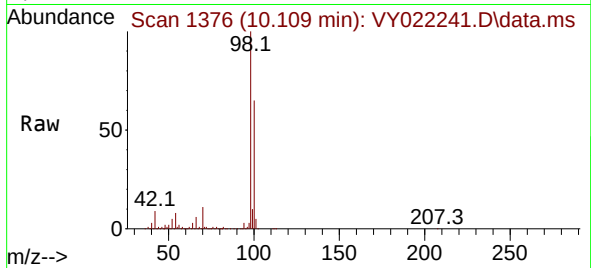




#50
Toluene-d8
Concen: 45.276 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022241.D
Acq: 13 May 2025 14:26

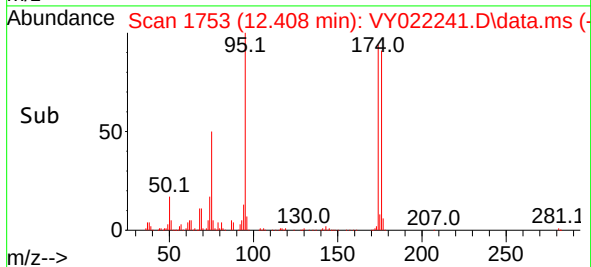
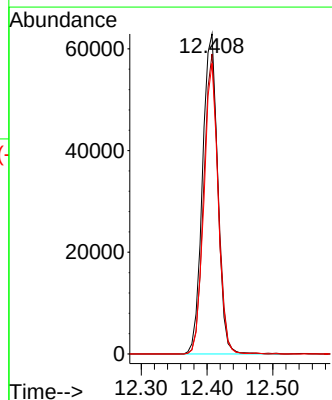
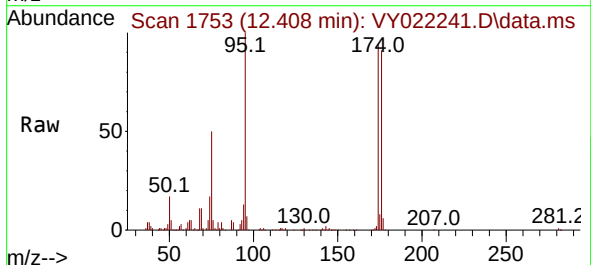
Instrument :
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OR-636-VOC-04

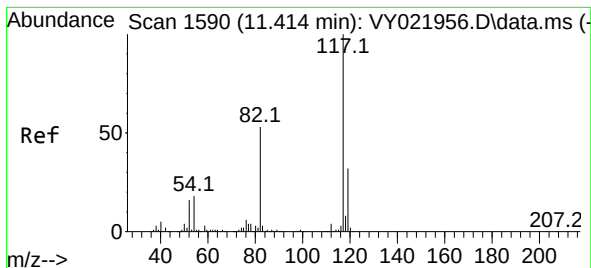
Tgt Ion: 98 Resp: 402604
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 33.726 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022241.D
Acq: 13 May 2025 14:26

Tgt Ion: 95 Resp: 100959
Ion Ratio Lower Upper
95 100
174 89.8 0.0 179.0
176 85.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022241.D

Acq: 13 May 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-04

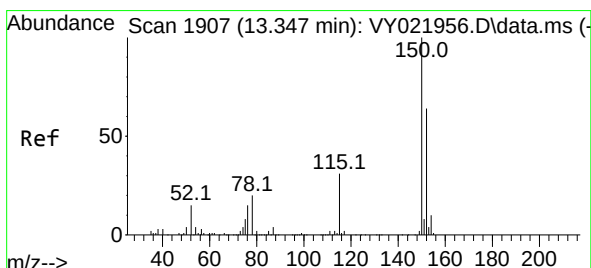
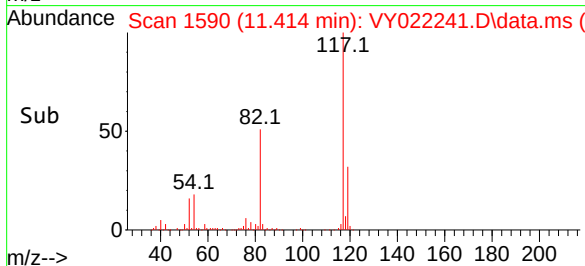
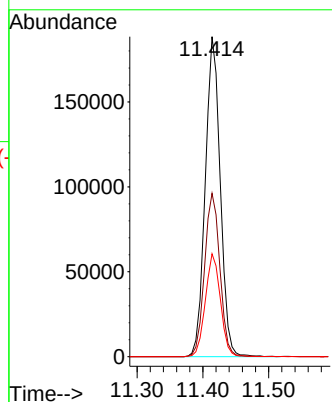
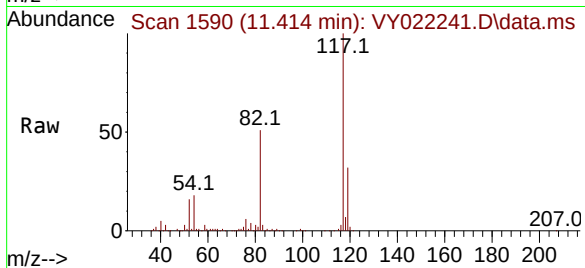
Tgt Ion:117 Resp: 298851

Ion Ratio Lower Upper

117 100

82 51.0 42.1 63.1

119 32.1 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: VY022241.D

Acq: 13 May 2025 14:26

Tgt Ion:152 Resp: 113233

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 157.2 0.0 345.6

