

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021325.D
 Acq On : 26 Feb 2025 12:43
 Operator : SY/MD
 Sample : Q1413-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-2-022125

Quant Time: Feb 26 14:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	5605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	8890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	821	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3109	48.896	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.800%
35) Dibromofluoromethane	7.634	113	3099	53.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.340%
50) Toluene-d8	10.109	98	9650	42.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.680%
62) 4-Bromofluorobenzene	12.408	95	1244	16.410	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	32.820%

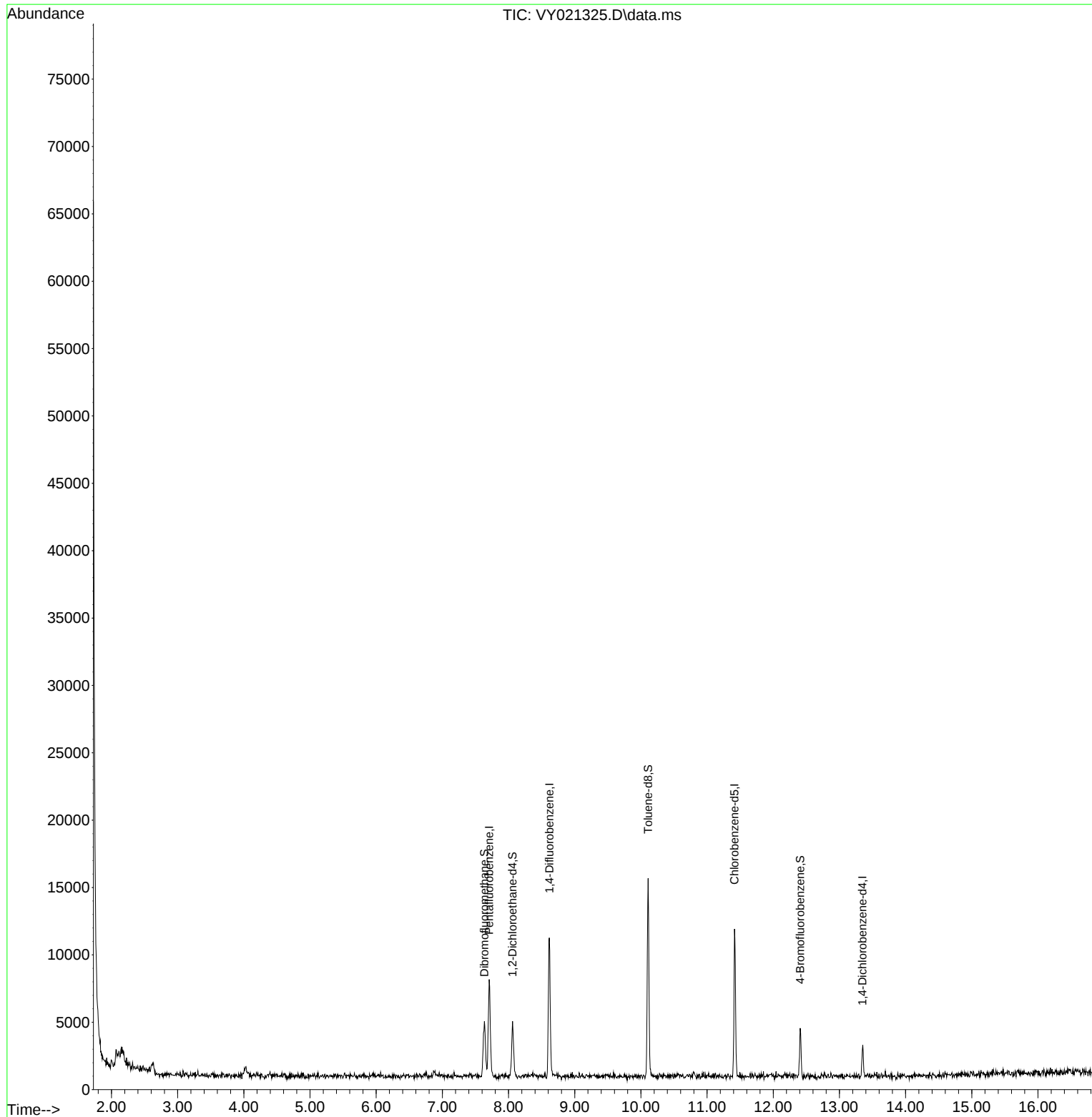
Target Compounds	Qvalue

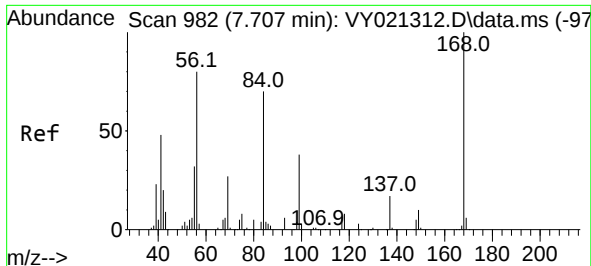
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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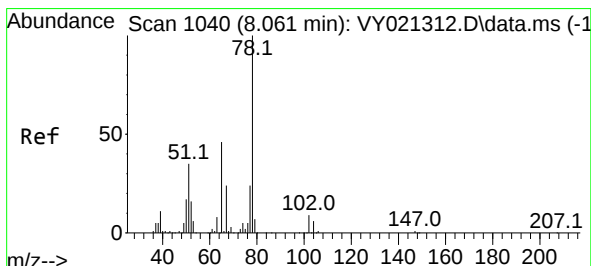
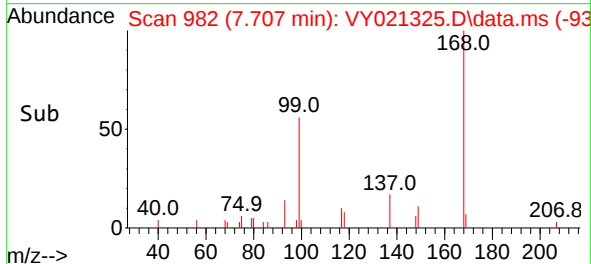
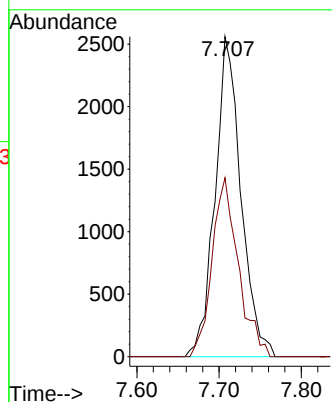
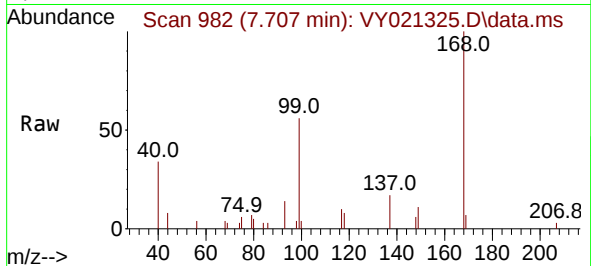




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021325.D
Acq: 26 Feb 2025 12:43

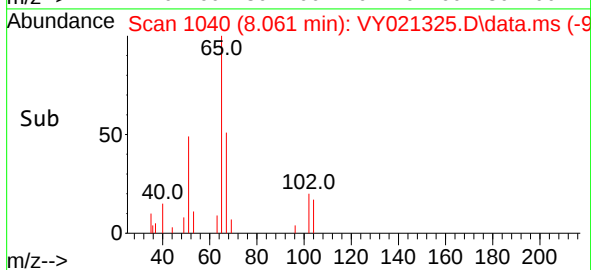
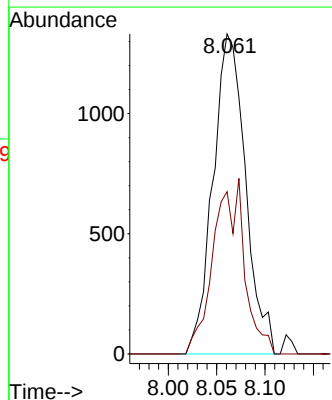
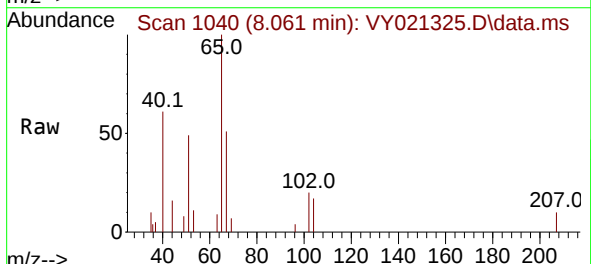
Instrument :
MSVOA_Y
ClientSampleId :
BU-2-022125

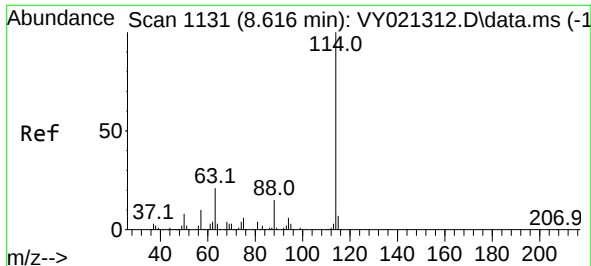
Tgt Ion:168 Resp: 5605
Ion Ratio Lower Upper
168 100
99 55.9 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 48.896 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021325.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 65 Resp: 3109
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021325.D

Acq: 26 Feb 2025 12:43

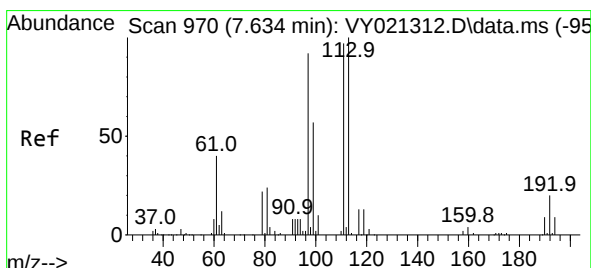
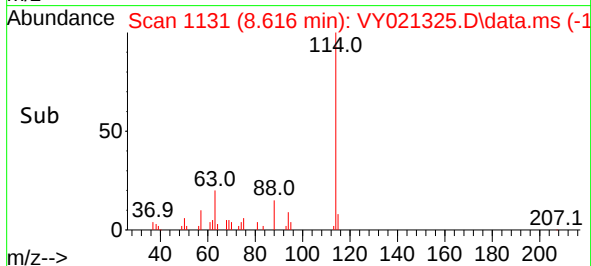
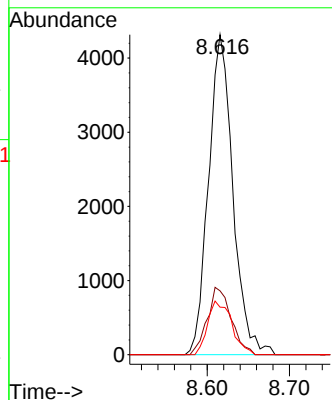
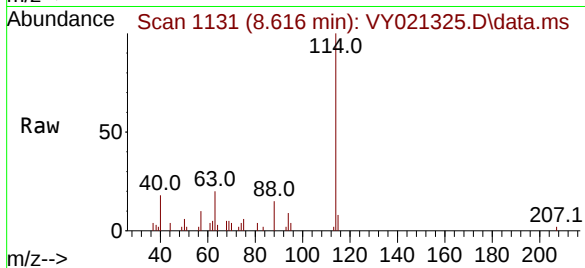
Instrument :

MSVOA_Y

ClientSampleId :

BU-2-022125

Tgt Ion:114	Resp:	8890
Ion	Ratio	Lower Upper
114	100	
63	19.9	0.0 42.2
88	14.9	0.0 29.8



#35

Dibromofluoromethane

Concen: 53.171 ug/l

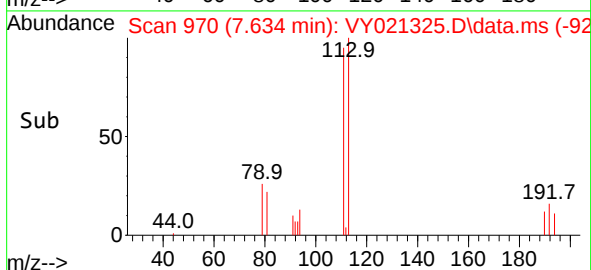
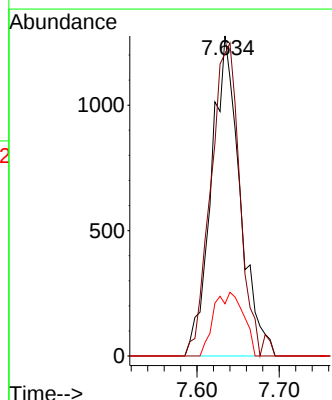
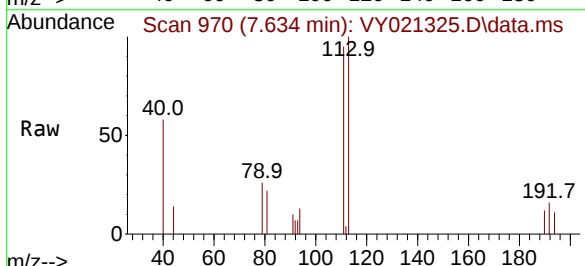
RT: 7.634 min Scan# 970

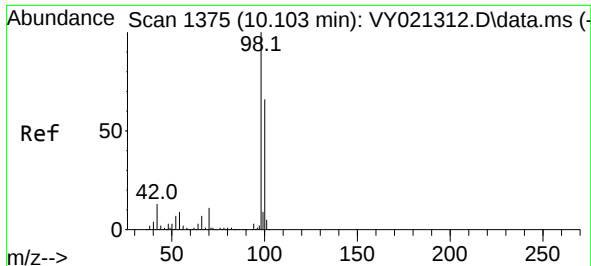
Delta R.T. 0.000 min

Lab File: VY021325.D

Acq: 26 Feb 2025 12:43

Tgt Ion:113	Resp:	3099
Ion	Ratio	Lower Upper
113	100	
111	99.3	81.0 121.6
192	20.6	15.8 23.8

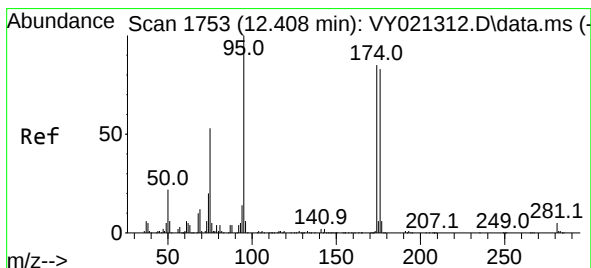
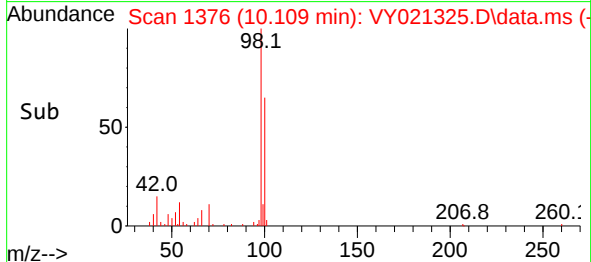
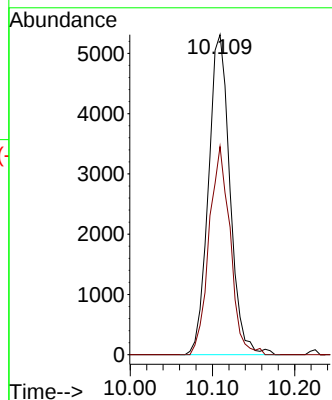
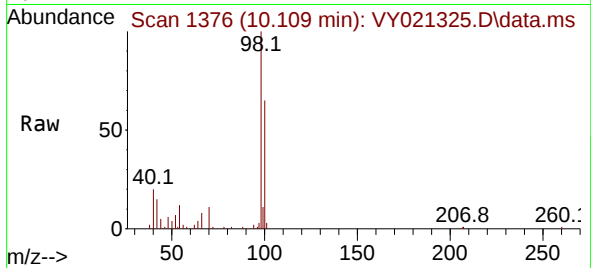




#50
Toluene-d8
Concen: 42.841 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021325.D
Acq: 26 Feb 2025 12:43

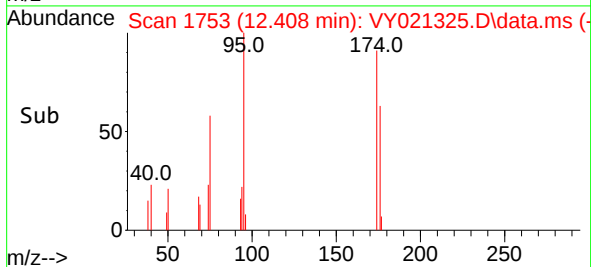
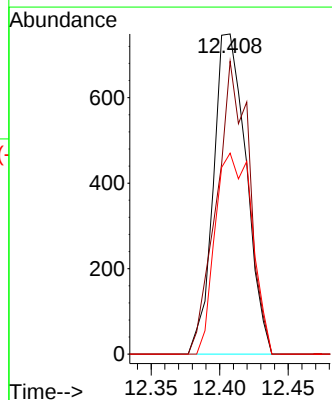
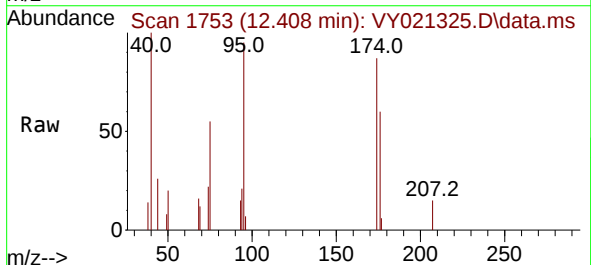
Instrument :
MSVOA_Y
ClientSampleId :
BU-2-022125

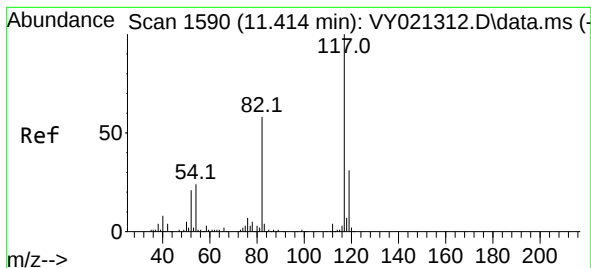
Tgt Ion: 98 Resp: 9650
Ion Ratio Lower Upper
98 100
100 63.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 16.410 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021325.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 95 Resp: 1244
Ion Ratio Lower Upper
95 100
174 90.7 0.0 168.0
176 70.8 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021325.D

Acq: 26 Feb 2025 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BU-2-022125

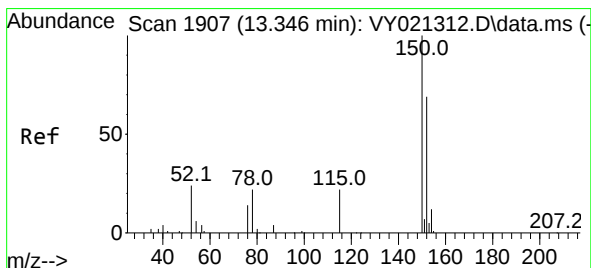
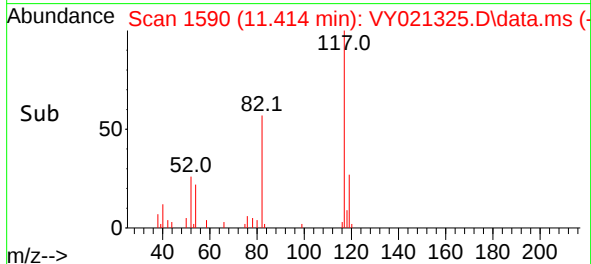
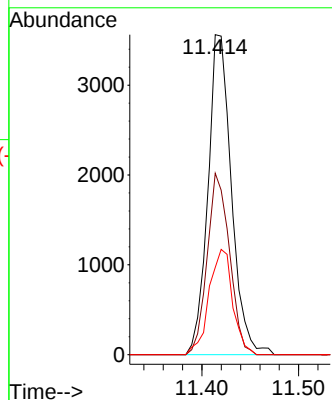
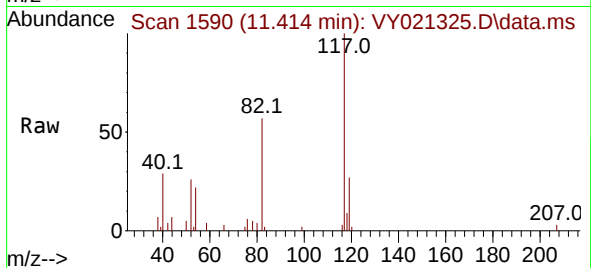
Tgt Ion:117 Resp: 6030

Ion Ratio Lower Upper

117 100

82 56.7 46.2 69.4

119 27.3 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021325.D

Acq: 26 Feb 2025 12:43

Tgt Ion:152 Resp: 821

Ion Ratio Lower Upper

152 100

115 56.4 29.3 88.0

150 125.9 0.0 347.4

