

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021324.D
 Acq On : 26 Feb 2025 12:20
 Operator : SY/MD
 Sample : Q1416-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-022425

Quant Time: Feb 26 13:57:58 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	3228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	5682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	4165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	578	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2557	69.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.660%
35) Dibromofluoromethane	7.640	113	2310	62.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.020%
50) Toluene-d8	10.109	98	6565	45.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.200%
62) 4-Bromofluorobenzene	12.414	95	800	16.511	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	33.020%

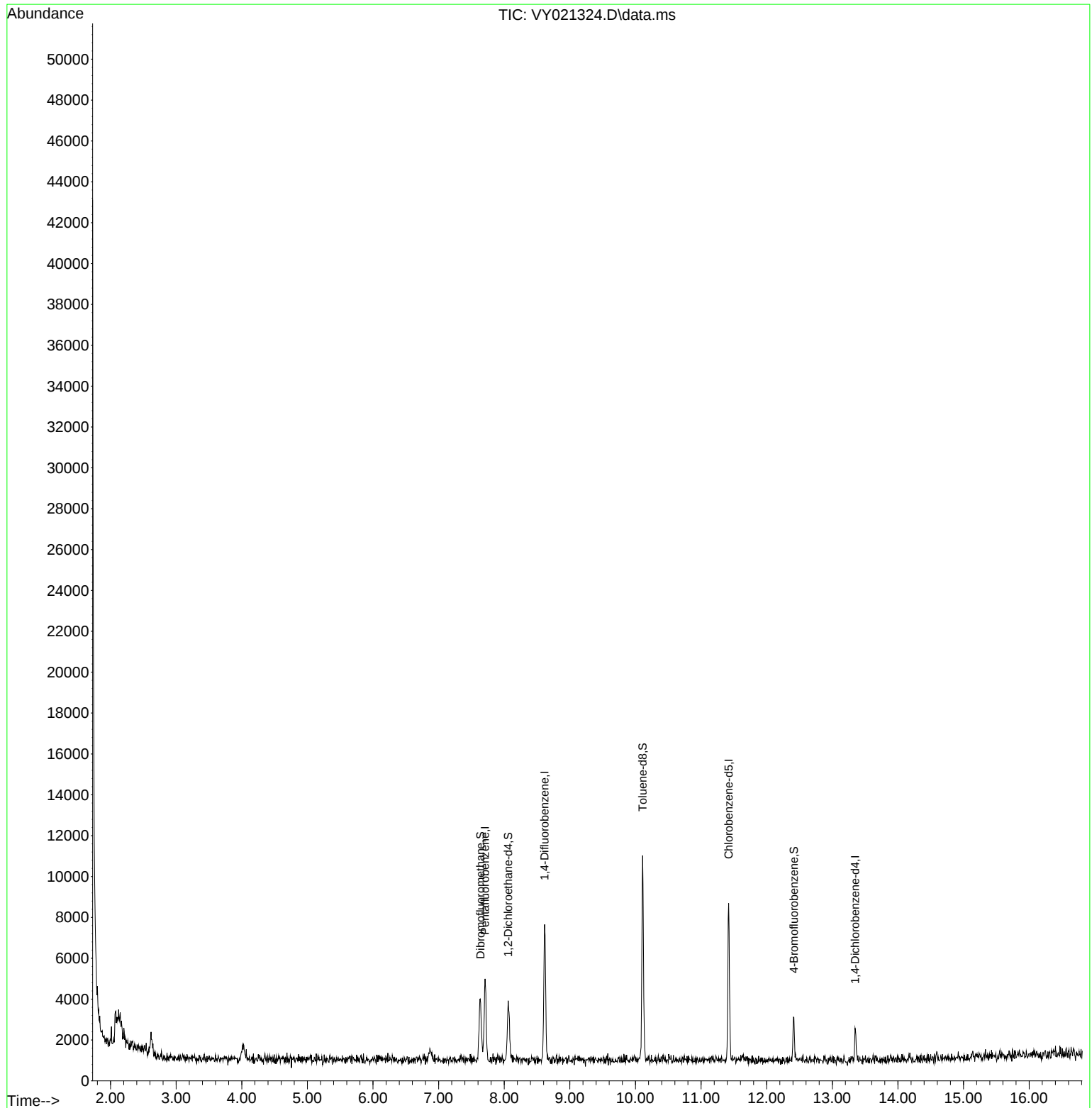
Target Compounds	Qvalue

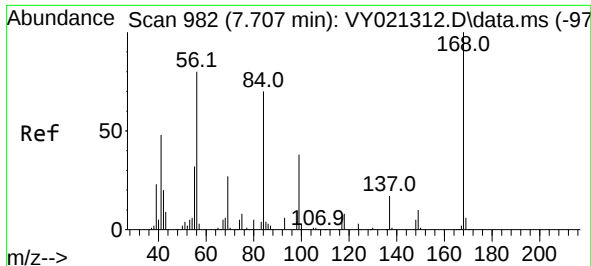
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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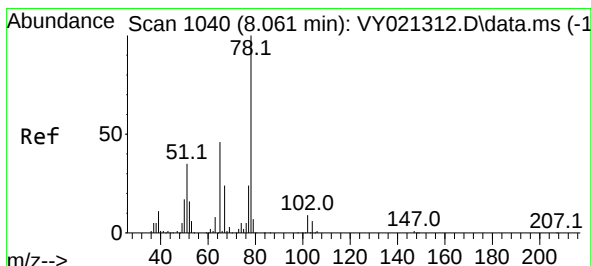
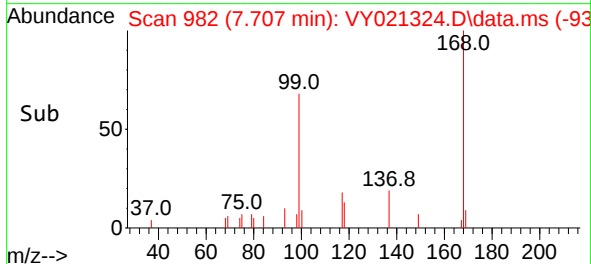
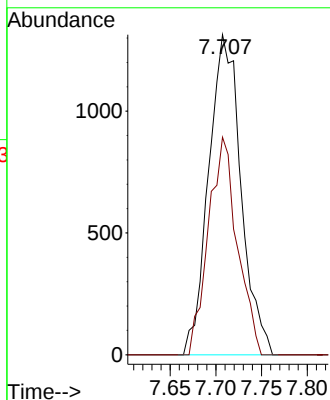
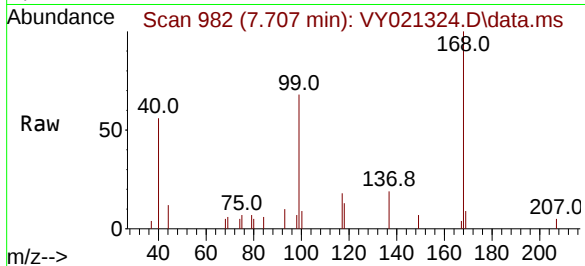




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021324.D
Acq: 26 Feb 2025 12:20

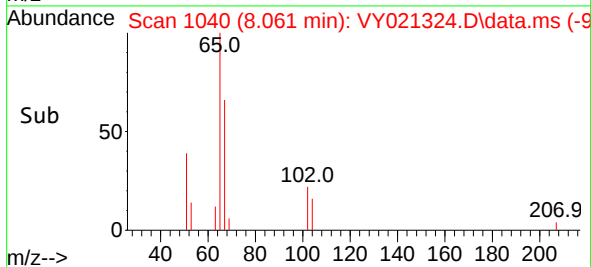
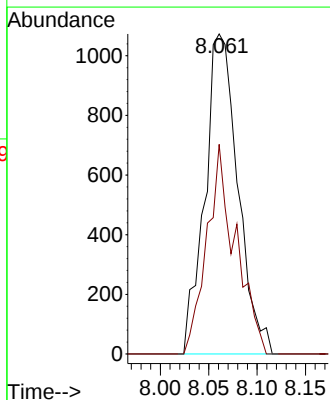
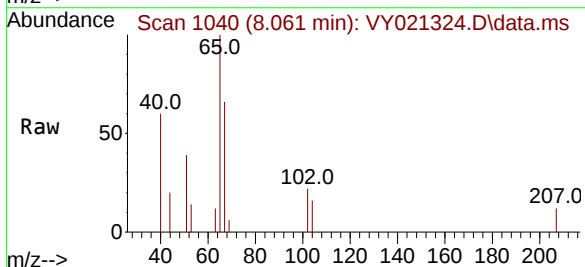
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-022425

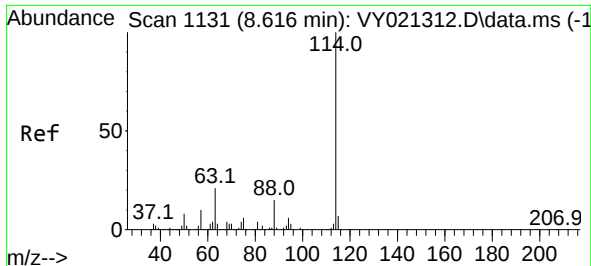
Tgt Ion:168 Resp: 3228
Ion Ratio Lower Upper
168 100
99 68.0 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 69.828 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021324.D
Acq: 26 Feb 2025 12:20

Tgt Ion: 65 Resp: 2557
Ion Ratio Lower Upper
65 100
67 56.7 0.0 103.6

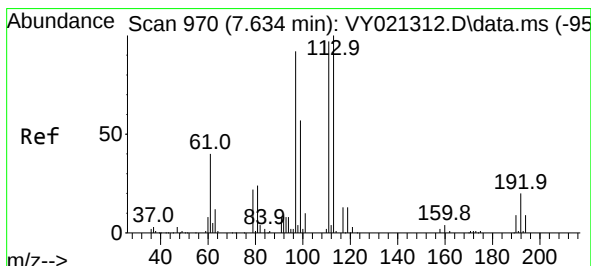
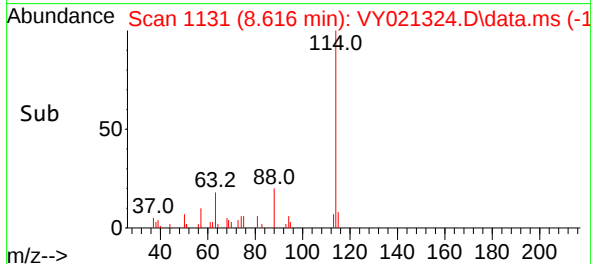
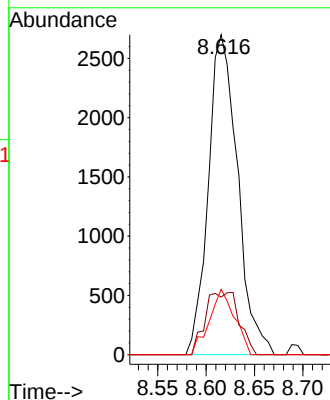
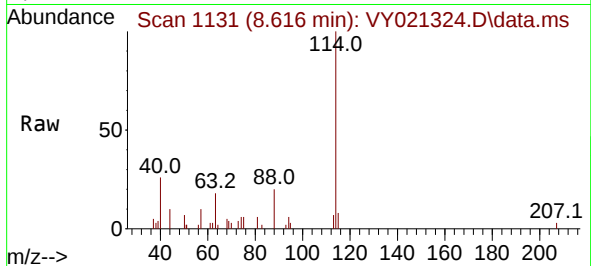




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021324.D
Acq: 26 Feb 2025 12:20

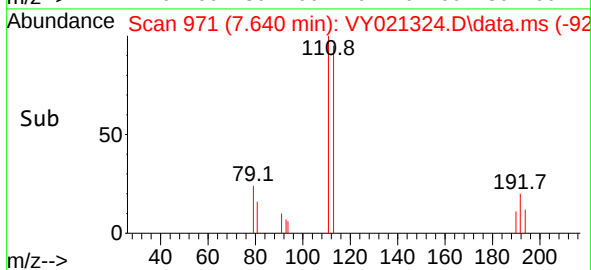
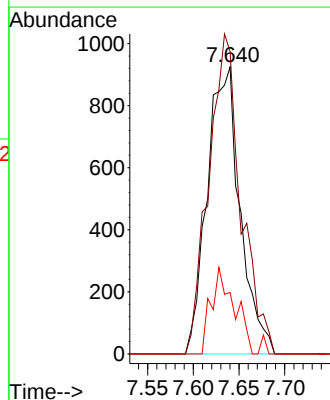
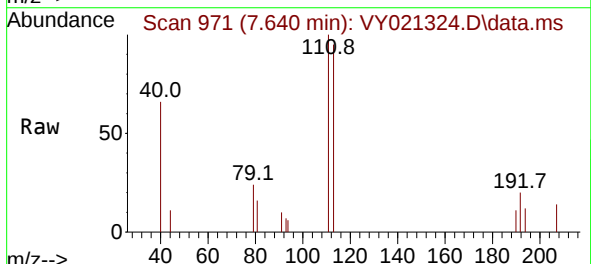
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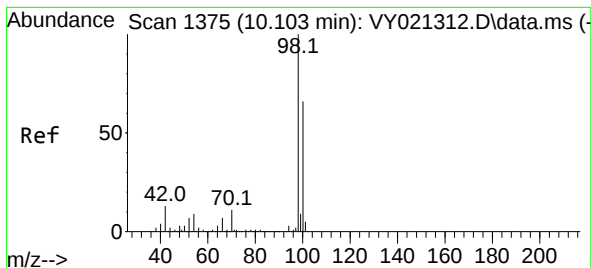
Tgt Ion:	114	Resp:	5682
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	42.2
88	20.4	0.0	29.8



#35
Dibromofluoromethane
Concen: 62.011 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021324.D
Acq: 26 Feb 2025 12:20

Tgt Ion:	113	Resp:	2310
Ion	Ratio	Lower	Upper
113	100		
111	109.4	81.0	121.6
192	21.3	15.8	23.8

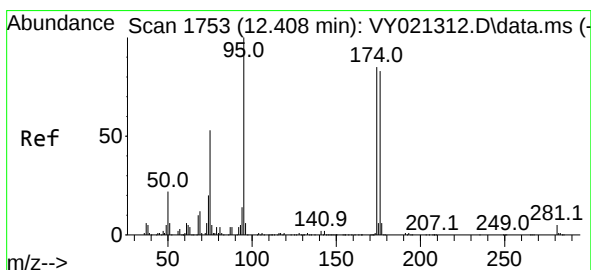
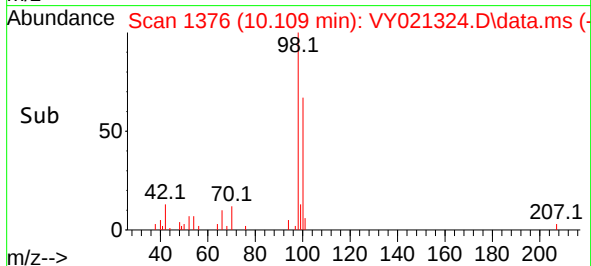
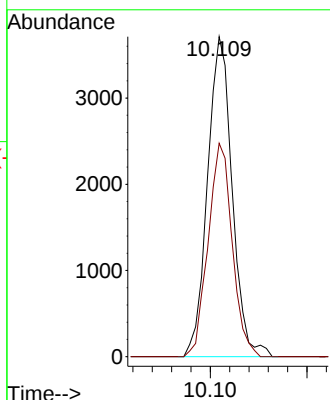
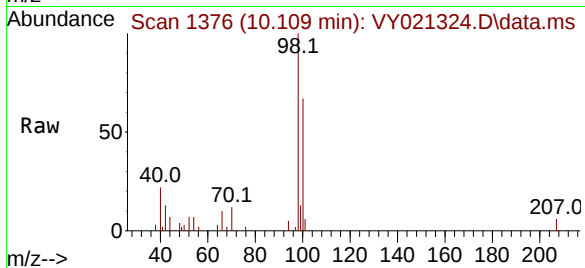




#50
Toluene-d8
Concen: 45.601 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021324.D
Acq: 26 Feb 2025 12:20

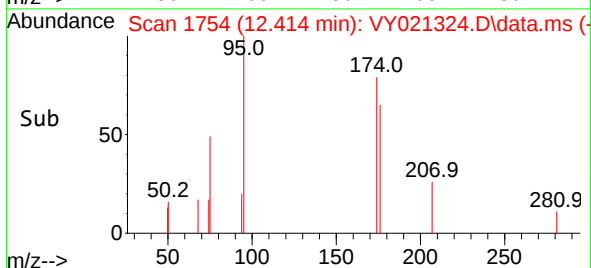
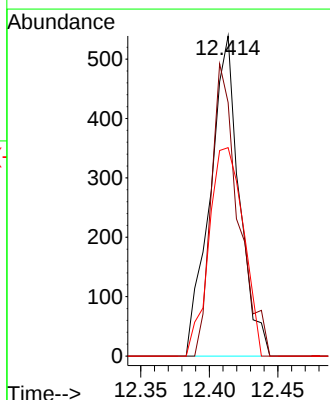
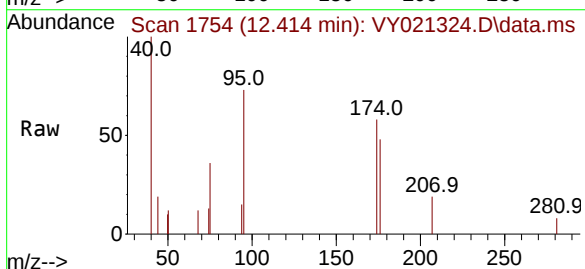
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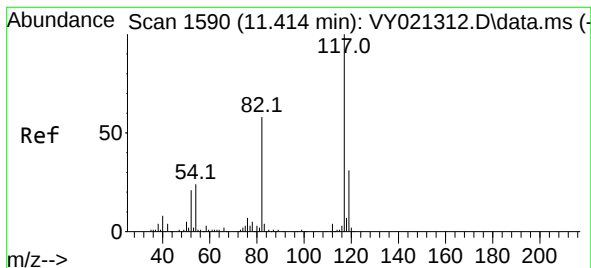
Tgt Ion: 98 Resp: 6565
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 16.511 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021324.D
Acq: 26 Feb 2025 12:20

Tgt Ion: 95 Resp: 800
Ion Ratio Lower Upper
95 100
174 84.1 0.0 168.0
176 76.6 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021324.D

Acq: 26 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-022425

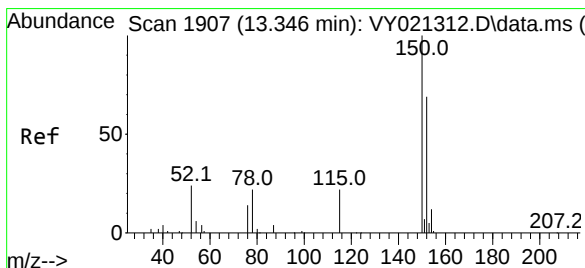
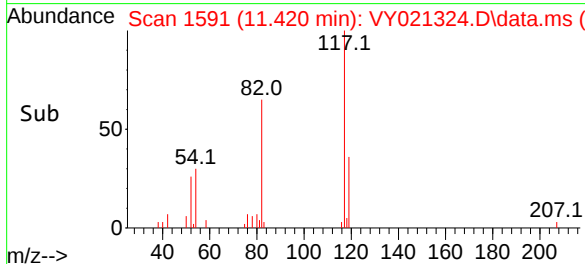
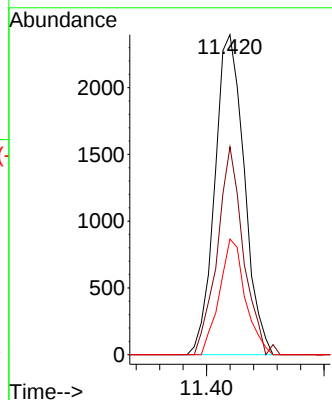
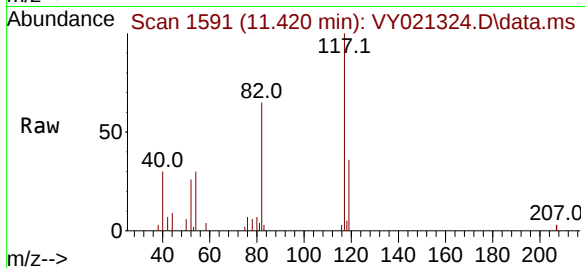
Tgt Ion:117 Resp: 4165

Ion Ratio Lower Upper

117 100

82 65.0 46.2 69.4

119 36.1 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: VY021324.D

Acq: 26 Feb 2025 12:20

Tgt Ion:152 Resp: 578

Ion Ratio Lower Upper

152 100

115 62.3 29.3 88.0

150 156.4 0.0 347.4

