

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021363.D
 Acq On : 27 Feb 2025 17:09
 Operator : SY/MD
 Sample : Q1411-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-02212025

Quant Time: Feb 28 00:43:25 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	2055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	2893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1489	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	326	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1193	51.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.360%
35) Dibromofluoromethane	7.628	113	950	50.088	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.180%
50) Toluene-d8	10.109	98	2921	39.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.700%
62) 4-Bromofluorobenzene	12.408	95	256	10.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	20.760%#

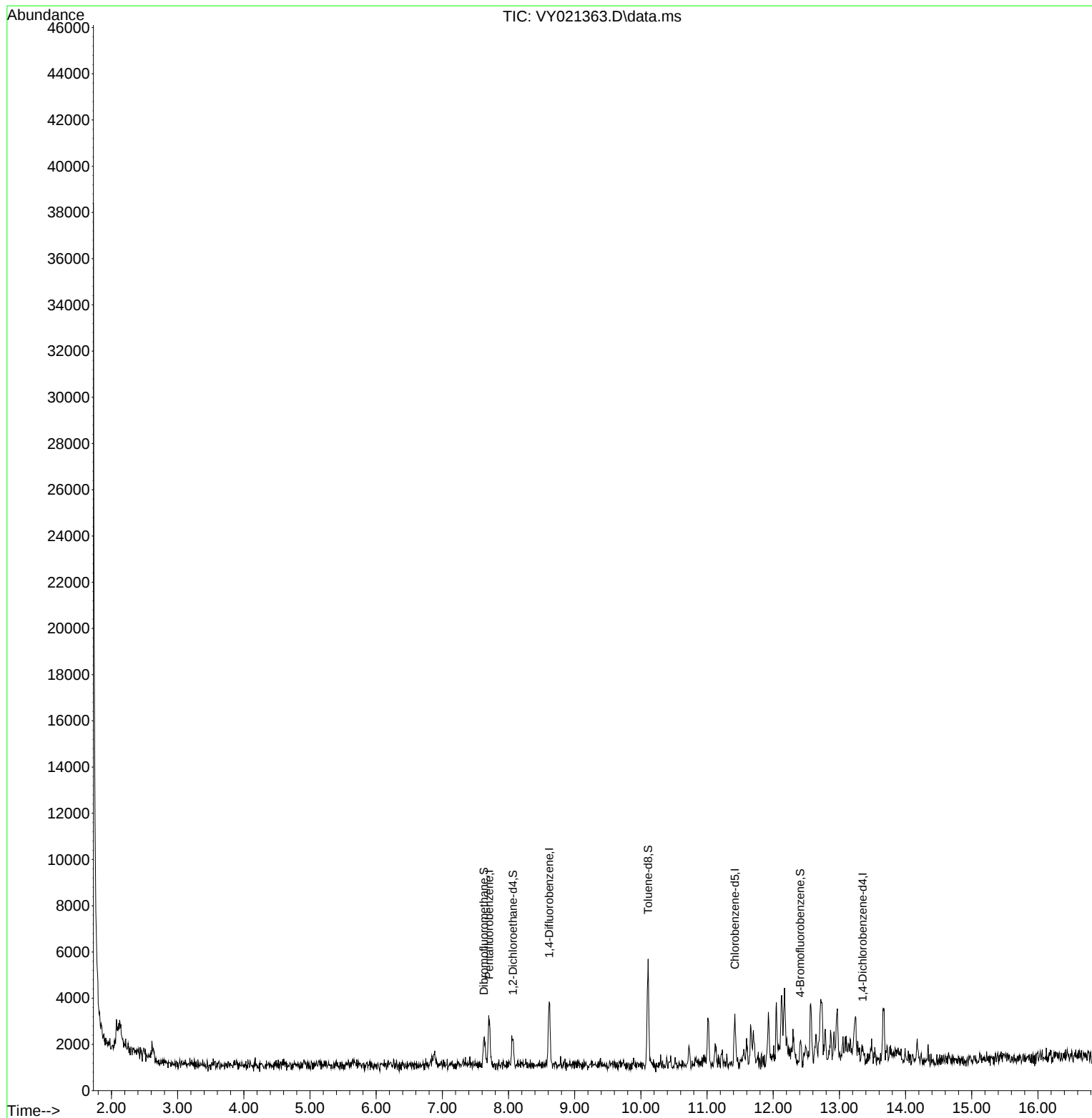
Target Compounds	Qvalue

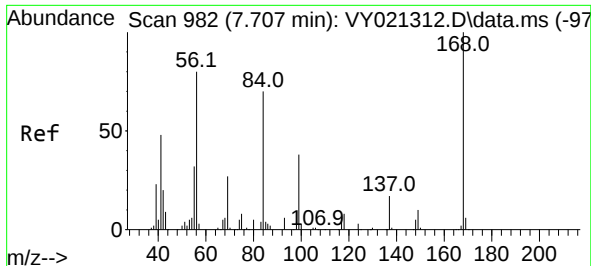
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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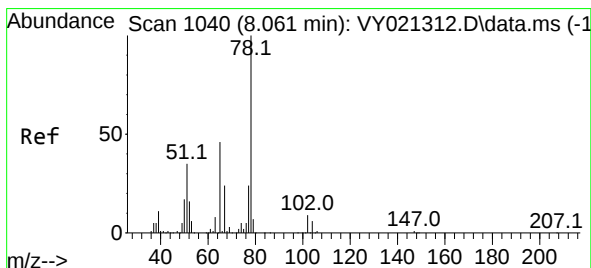
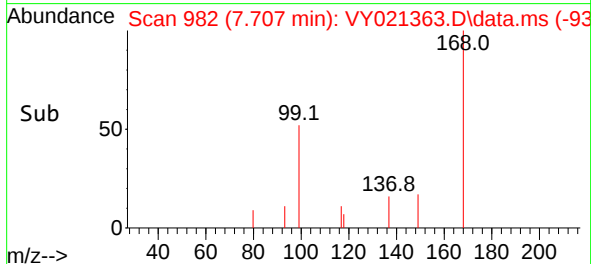
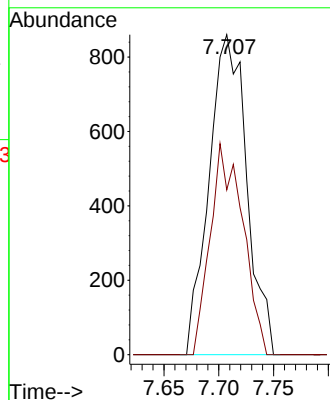
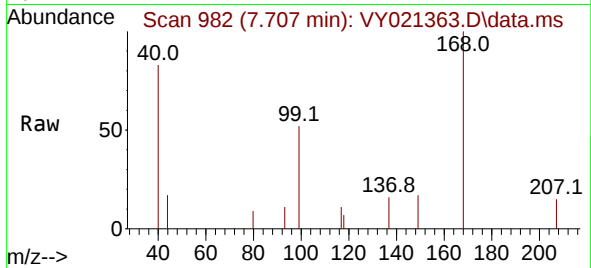




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021363.D
Acq: 27 Feb 2025 17:09

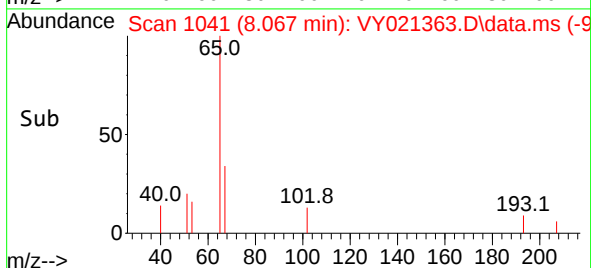
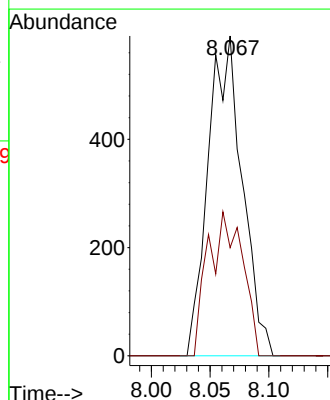
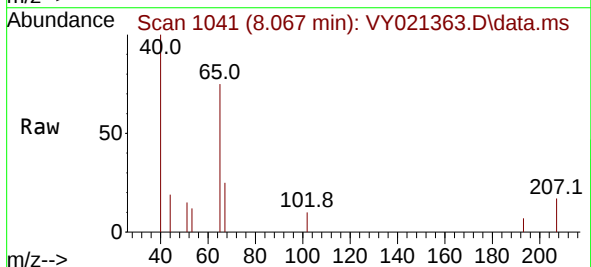
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

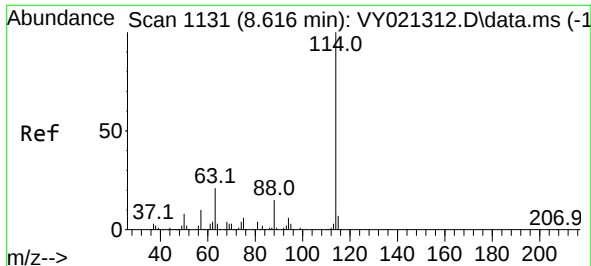
Tgt Ion:168 Resp: 2055
Ion Ratio Lower Upper
168 100
99 51.5 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 51.175 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021363.D
Acq: 27 Feb 2025 17:09

Tgt Ion: 65 Resp: 1193
Ion Ratio Lower Upper
65 100
67 45.5 0.0 103.6

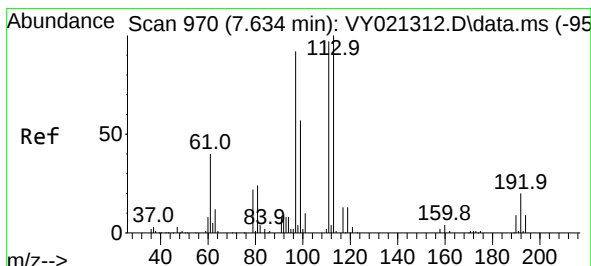
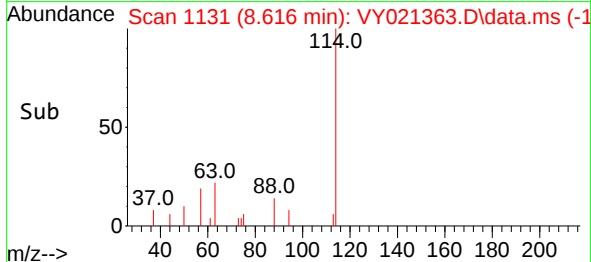
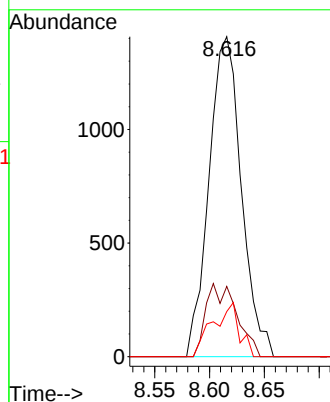
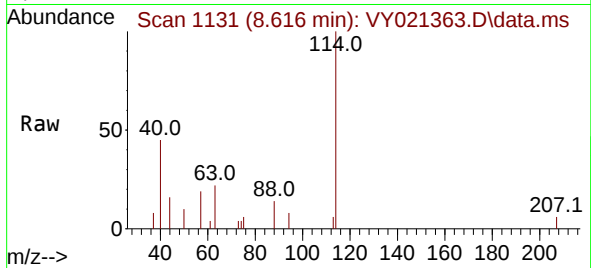




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021363.D
Acq: 27 Feb 2025 17:09

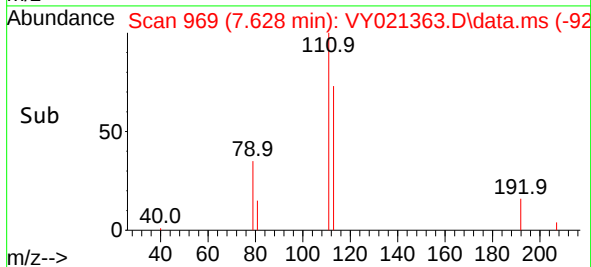
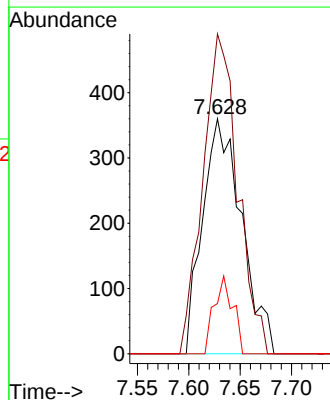
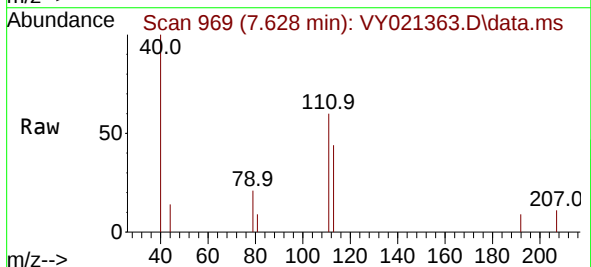
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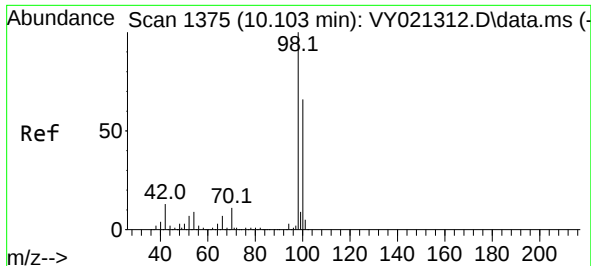
Tgt Ion:114	Resp:	2893
Ion	Ratio	Lower Upper
114	100	
63	21.9	0.0 42.2
88	14.1	0.0 29.8



#35
Dibromofluoromethane
Concen: 50.088 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY021363.D
Acq: 27 Feb 2025 17:09

Tgt Ion:113	Resp:	950
Ion	Ratio	Lower Upper
113	100	
111	121.6	81.0 121.6#
192	15.8	15.8 23.8#

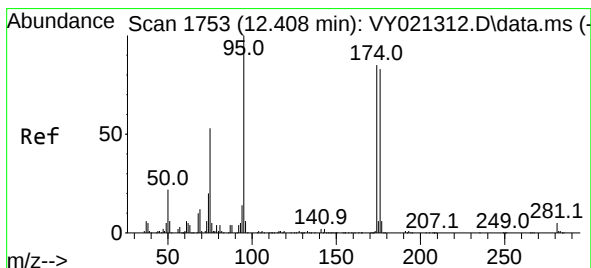
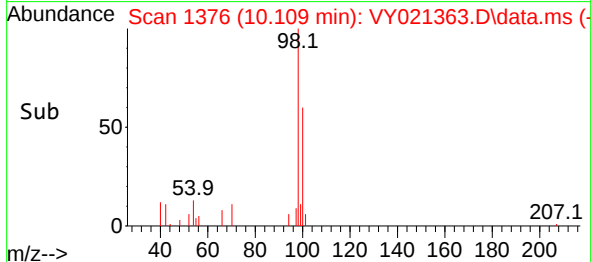
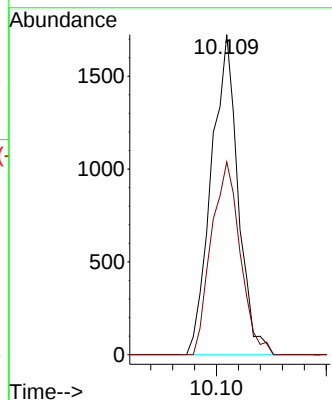
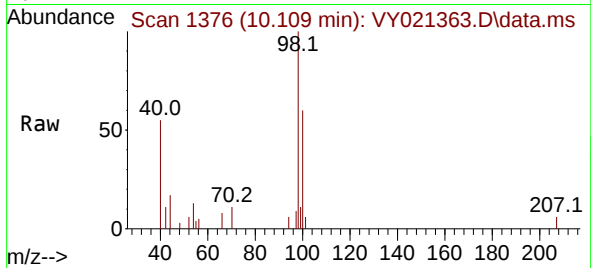




#50
Toluene-d8
Concen: 39.849 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021363.D
Acq: 27 Feb 2025 17:09

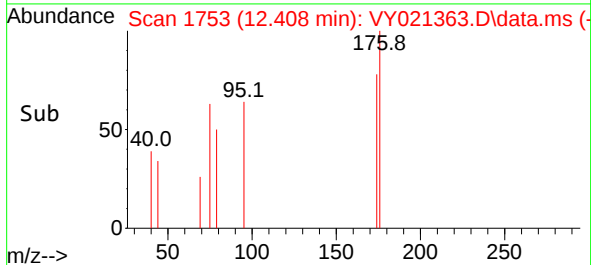
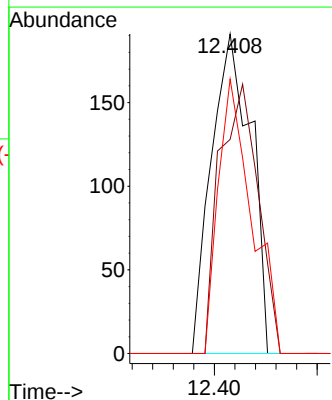
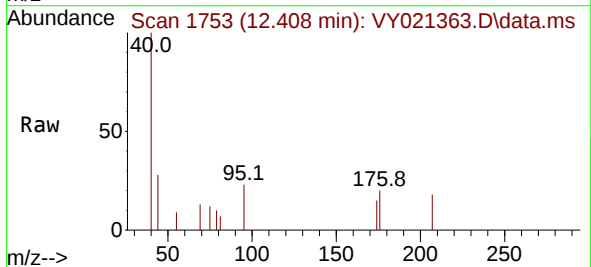
Instrument :
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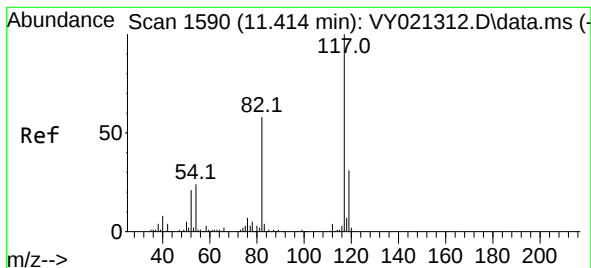
Tgt Ion: 98 Resp: 2921
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 10.377 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021363.D
Acq: 27 Feb 2025 17:09

Tgt Ion: 95 Resp: 256
Ion Ratio Lower Upper
95 100
174 82.0 0.0 168.0
176 72.3 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: VY021363.D

Acq: 27 Feb 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-02212025

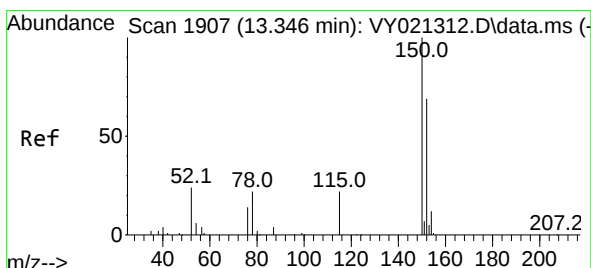
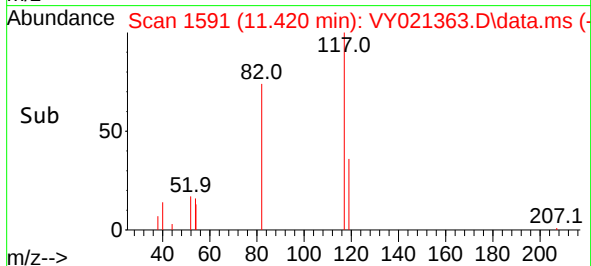
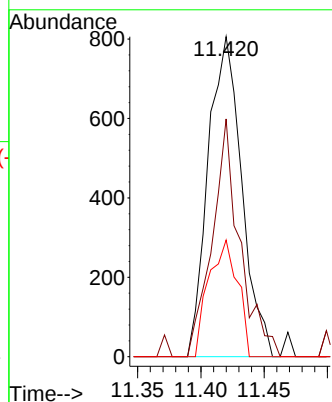
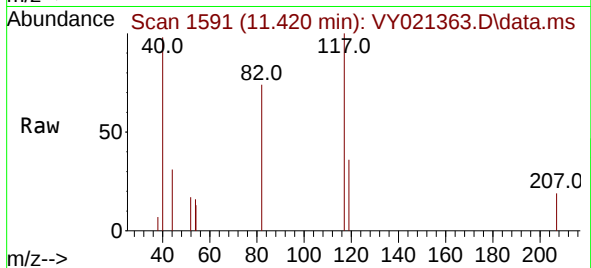
Tgt Ion:117 Resp: 1489

Ion Ratio Lower Upper

117 100

82 74.3 46.2 69.4#

119 36.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021363.D

Acq: 27 Feb 2025 17:09

Tgt Ion:152 Resp: 326

Ion Ratio Lower Upper

152 100

115 12.6 29.3 88.0#

150 92.3 0.0 347.4

