

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022747.D
 Acq On : 19 Jun 2025 11:51
 Operator : SY/MD
 Sample : Q2357-01RE
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-06182025RE

Quant Time: Jun 20 02:57:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	4987	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.616	114	7080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	4641	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	684	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2316	41.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.040%
35) Dibromofluoromethane	7.628	113	1118	26.456	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	52.920%#
50) Toluene-d8	10.103	98	7339	42.980	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.960%
62) 4-Bromofluorobenzene	12.408	95	950	18.673	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.340%

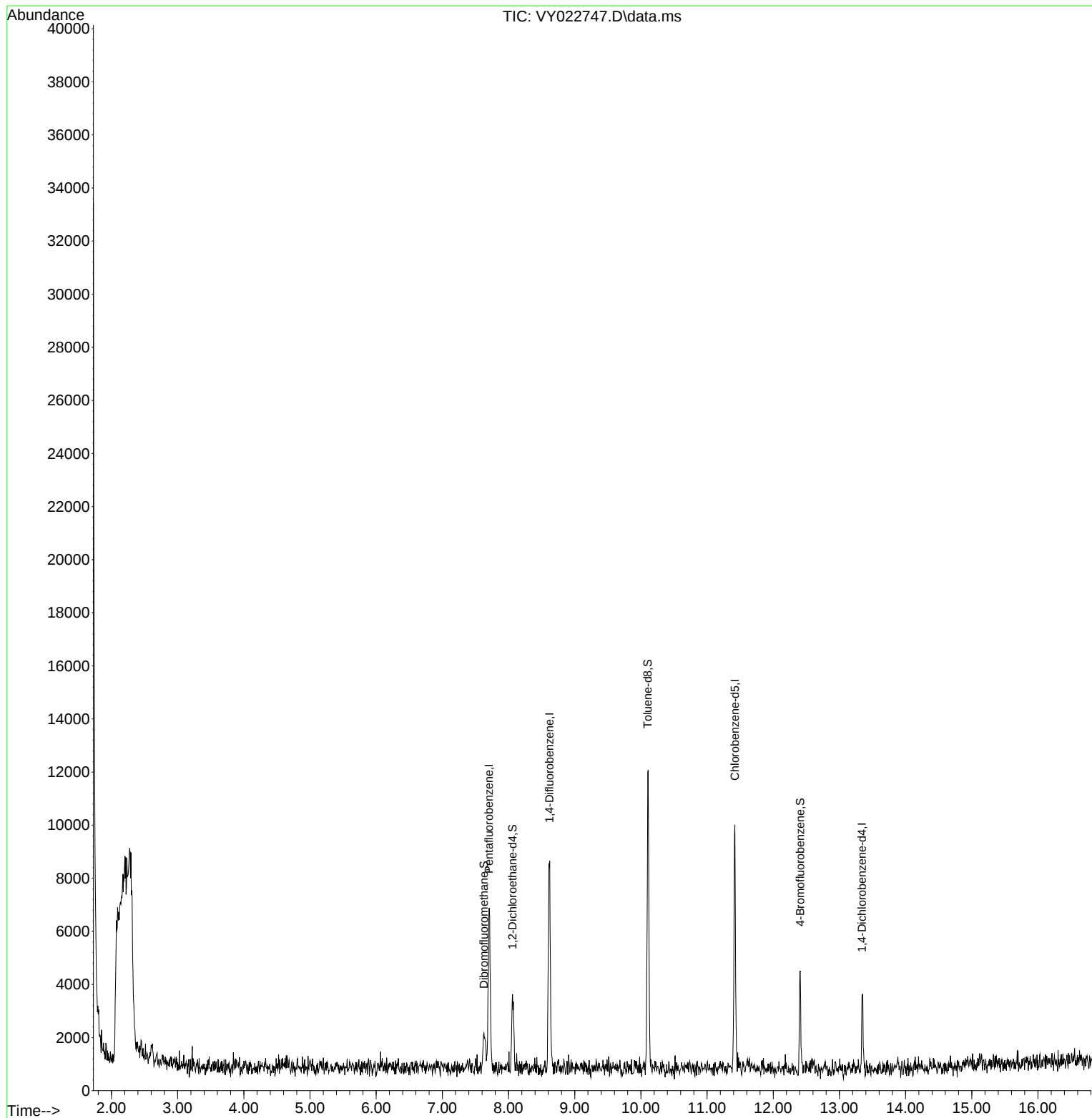
Target Compounds	Qvalue

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

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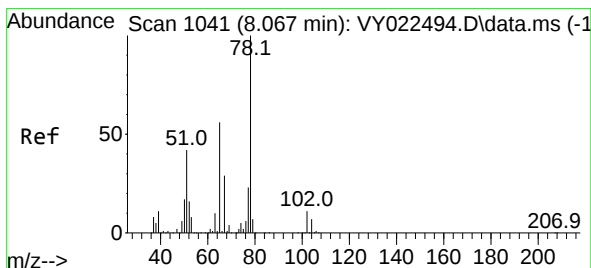
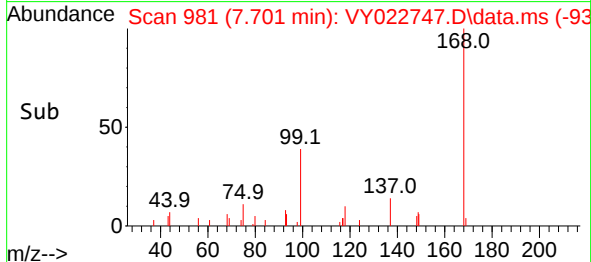
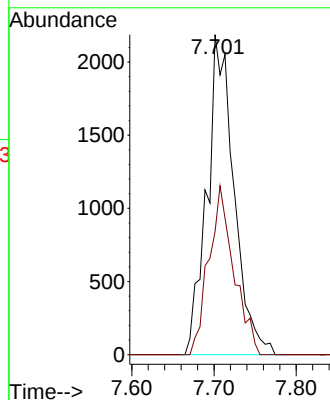
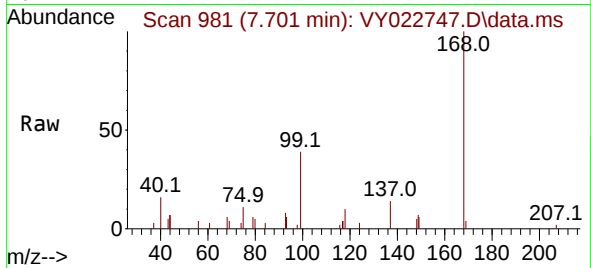




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022747.D
Acq: 19 Jun 2025 11:51

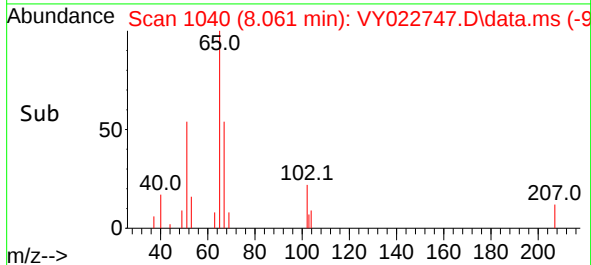
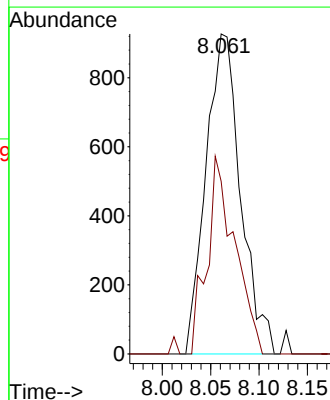
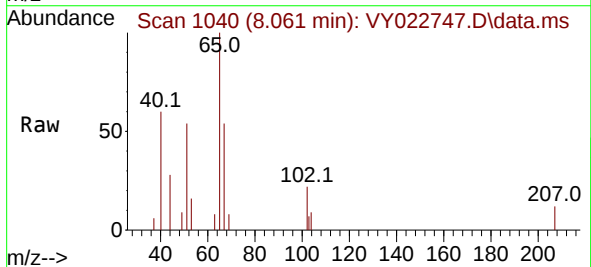
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-06182025RE

Tgt Ion:168 Resp: 4987
Ion Ratio Lower Upper
168 100
99 38.5 44.3 66.5#



#33
1,2-Dichloroethane-d4
Concen: 41.523 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022747.D
Acq: 19 Jun 2025 11:51

Tgt Ion: 65 Resp: 2316
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022747.D

Acq: 19 Jun 2025 11:51

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-06182025RE

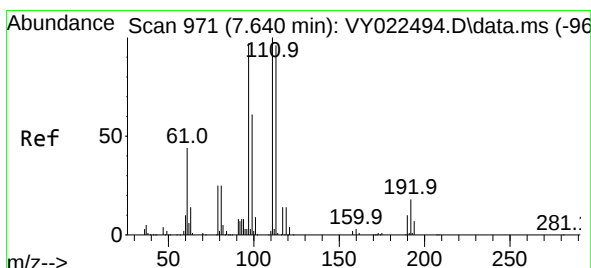
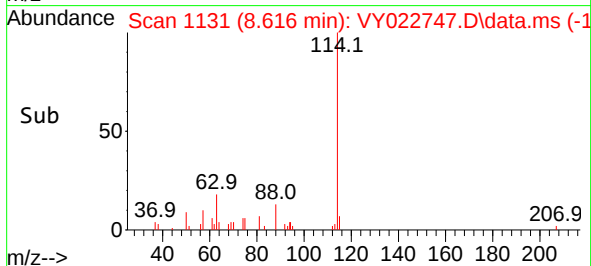
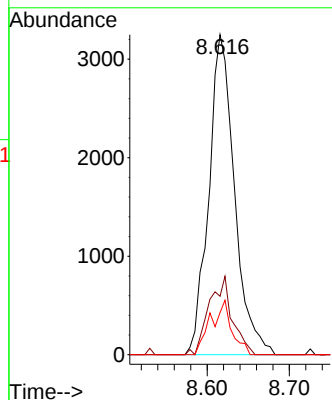
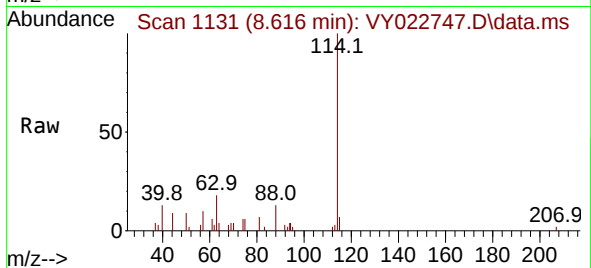
Tgt Ion:114 Resp: 7080

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.8

88 13.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 26.456 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022747.D

Acq: 19 Jun 2025 11:51

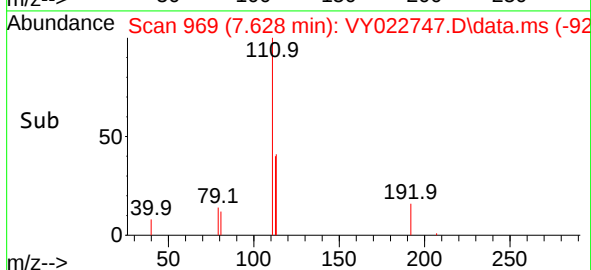
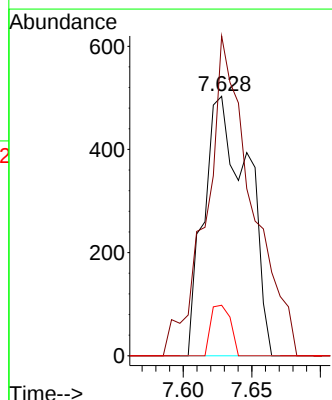
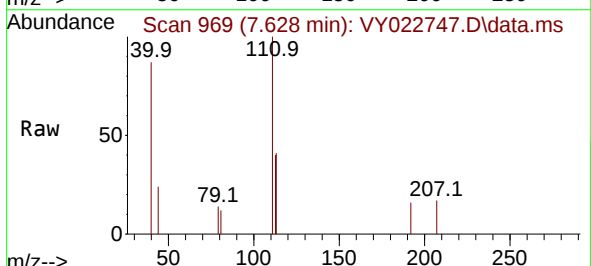
Tgt Ion:113 Resp: 1118

Ion Ratio Lower Upper

113 100

111 127.5 81.1 121.7#

192 8.8 14.2 21.2#

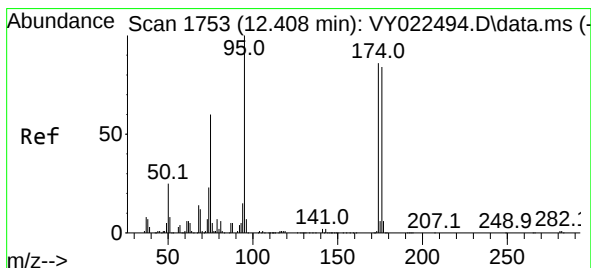
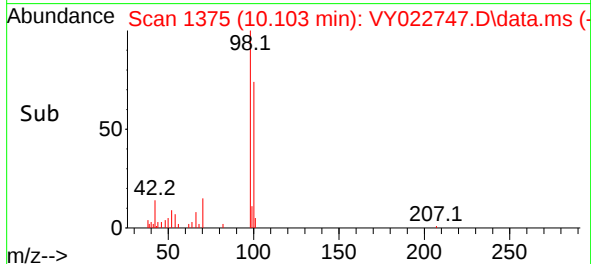
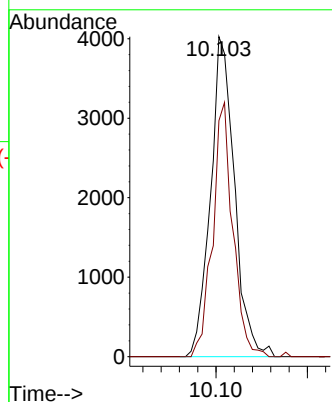
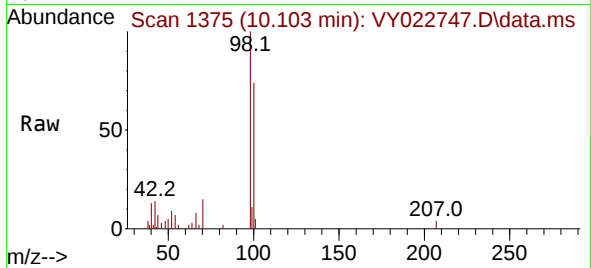




#50
Toluene-d8
Concen: 42.980 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022747.D
Acq: 19 Jun 2025 11:51

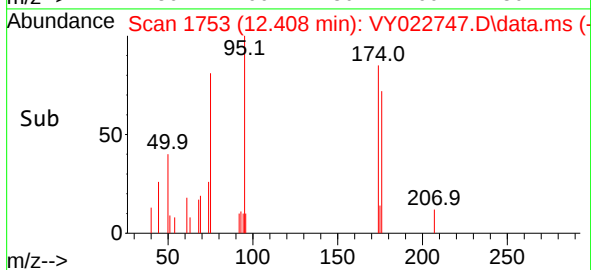
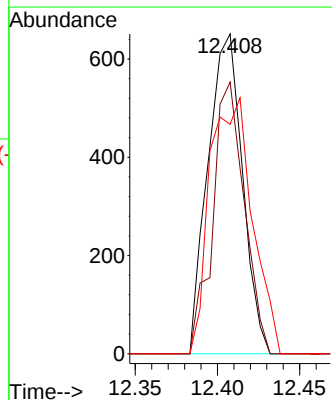
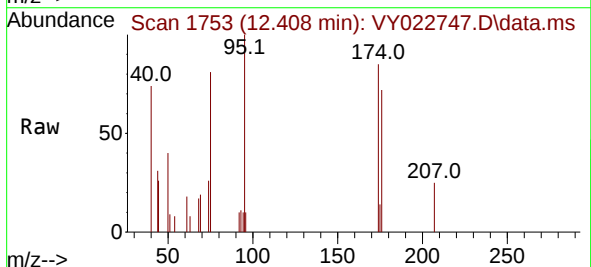
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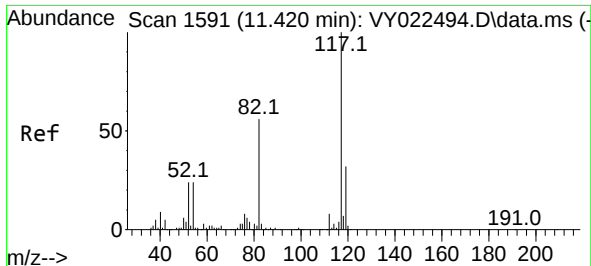
Tgt Ion: 98 Resp: 7339
Ion Ratio Lower Upper
98 100
100 66.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 18.673 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022747.D
Acq: 19 Jun 2025 11:51

Tgt Ion: 95 Resp: 950
Ion Ratio Lower Upper
95 100
174 77.9 0.0 170.0
176 98.6 0.0 166.2

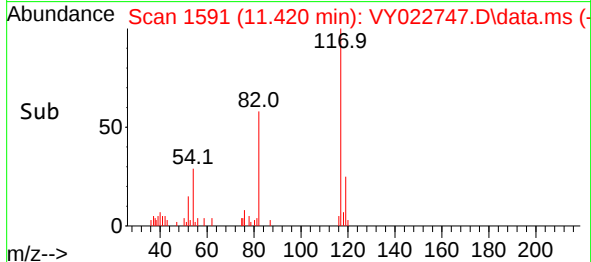
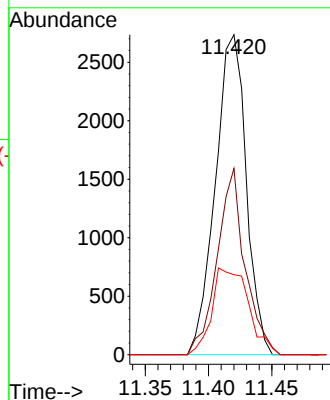
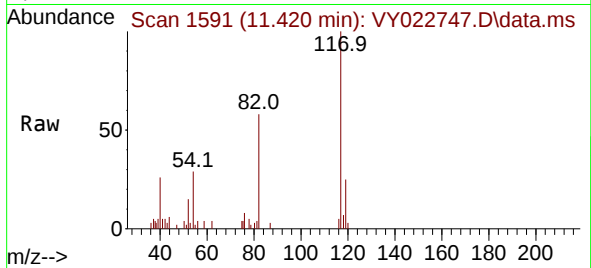




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022747.D
Acq: 19 Jun 2025 11:51

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-06182025RE

Tgt Ion:117 Resp: 4641
Ion Ratio Lower Upper
117 100
82 58.2 44.6 66.8
119 25.0 25.4 38.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022747.D
Acq: 19 Jun 2025 11:51

Tgt Ion:152 Resp: 684
Ion Ratio Lower Upper
152 100
115 63.2 28.9 86.7
150 183.0 0.0 349.6

