

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021534.D
 Acq On : 14 Mar 2025 12:39
 Operator : SY/MD
 Sample : Q1553-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2321RE

Quant Time: Mar 15 02:01:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	33341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	49875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	34521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	6334	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	16832	47.765	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.520%
35) Dibromofluoromethane	7.628	113	17630	53.777	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.560%
50) Toluene-d8	10.103	98	54897	44.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.460%
62) 4-Bromofluorobenzene	12.401	95	9867	23.368	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.740%

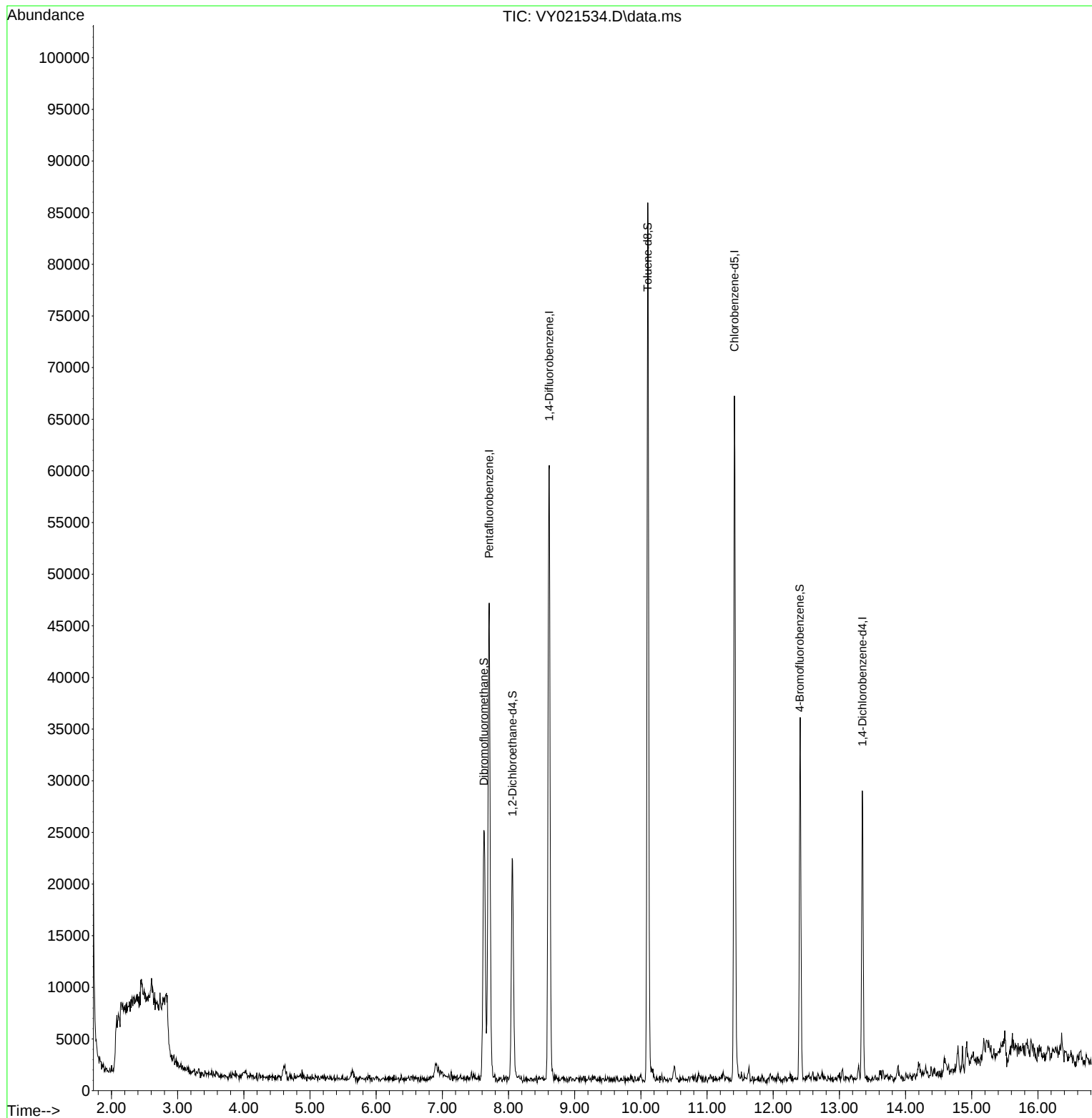
Target Compounds	Qvalue

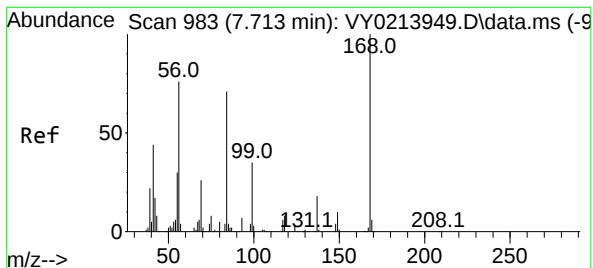
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021534.D

Acq: 14 Mar 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

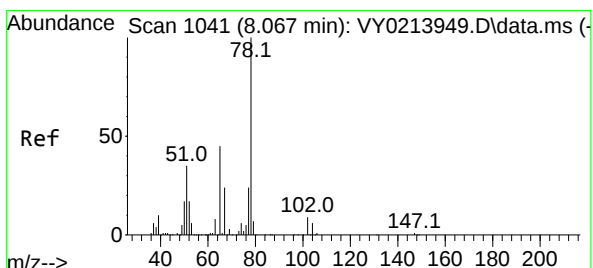
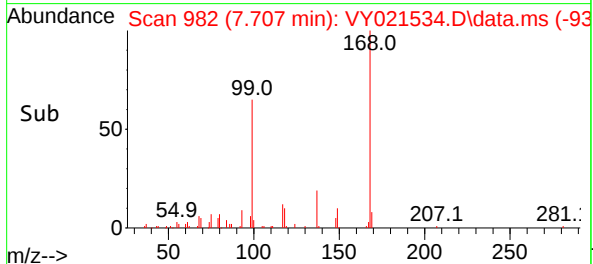
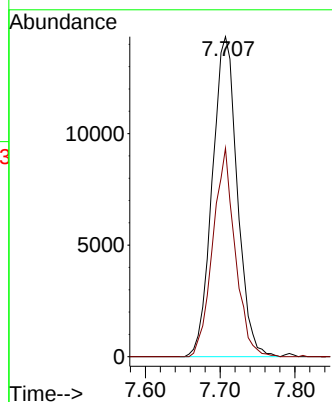
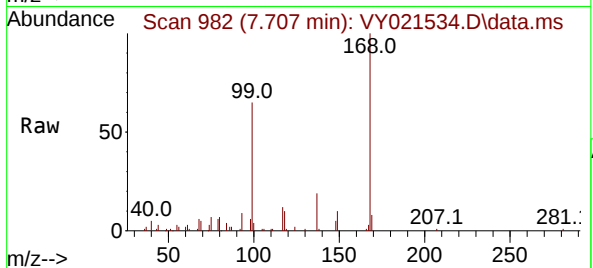
RT2321RE

Tgt Ion:168 Resp: 33341

Ion Ratio Lower Upper

168 100

99 65.1 46.0 69.0



#33

1,2-Dichloroethane-d4

Concen: 47.765 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021534.D

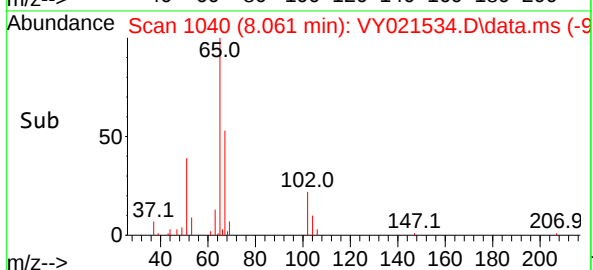
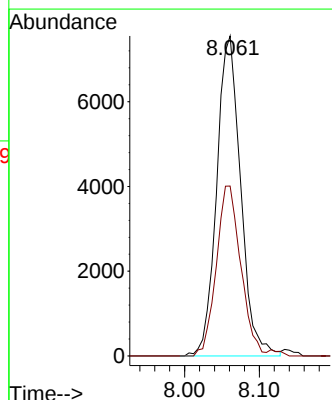
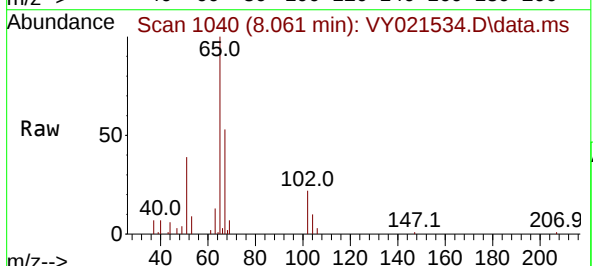
Acq: 14 Mar 2025 12:39

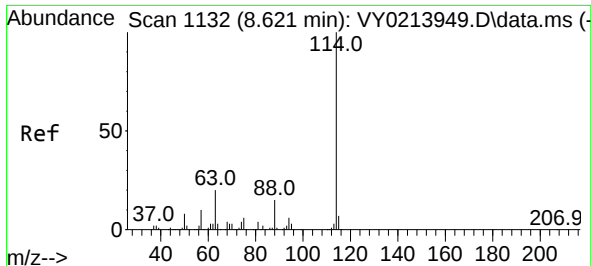
Tgt Ion: 65 Resp: 16832

Ion Ratio Lower Upper

65 100

67 54.2 0.0 102.8

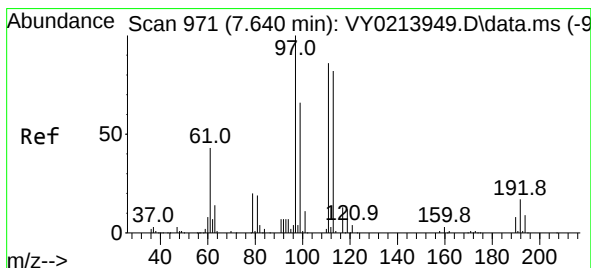
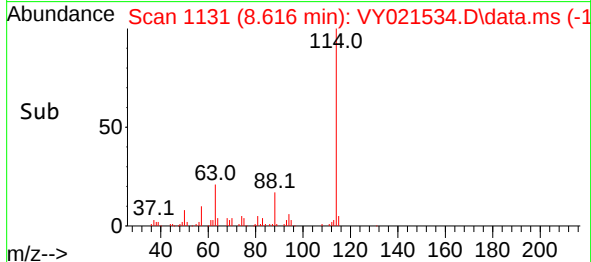
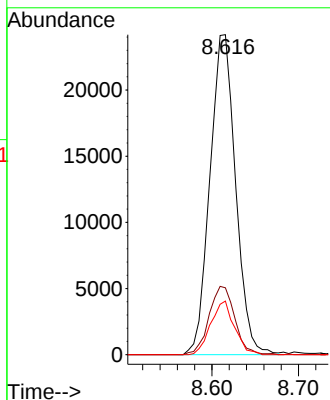
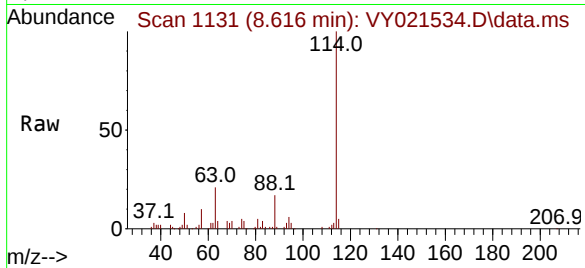




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021534.D
Acq: 14 Mar 2025 12:39

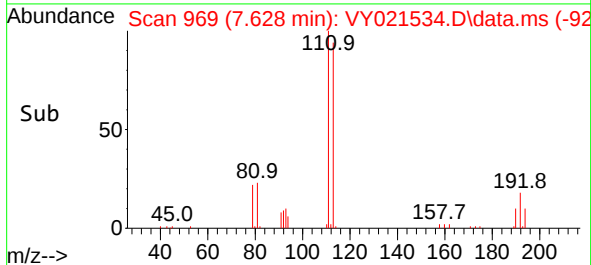
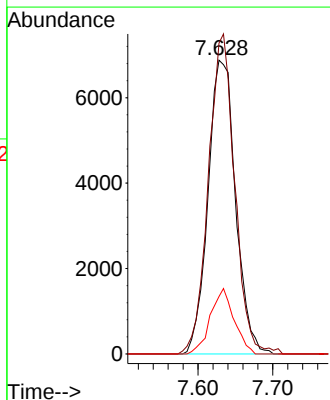
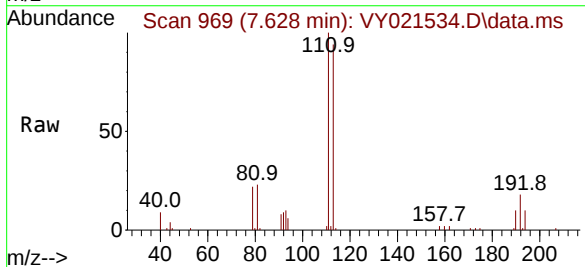
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RT2321RE

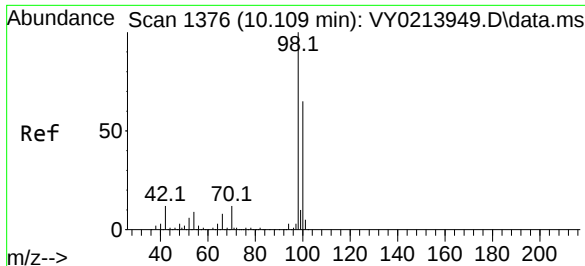
Tgt Ion:	114	Resp:	49875
Ion Ratio	Lower	Upper	
114	100		
63	20.9	0.0	40.8
88	16.7	0.0	30.8



#35
Dibromofluoromethane
Concen: 53.777 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY021534.D
Acq: 14 Mar 2025 12:39

Tgt Ion:	113	Resp:	17630
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.0	123.0
192	19.1	15.9	23.9

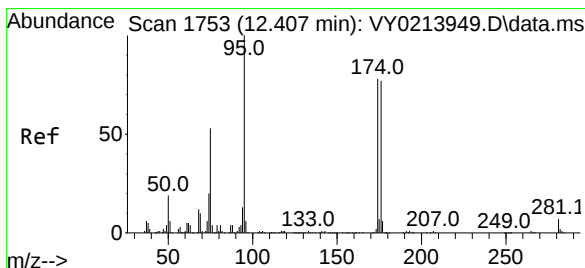
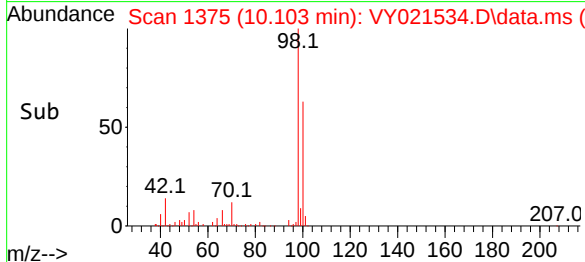
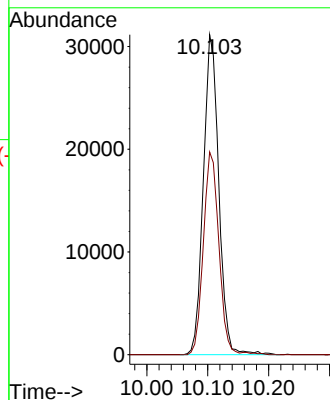
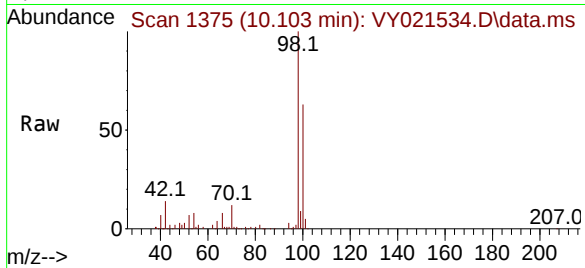




#50
Toluene-d8
Concen: 44.226 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021534.D
Acq: 14 Mar 2025 12:39

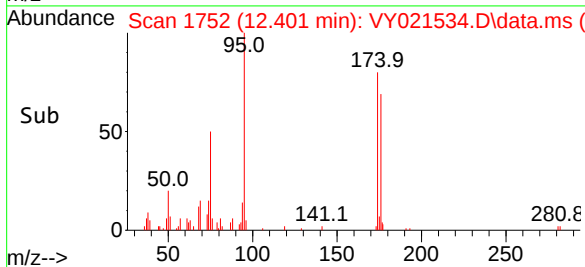
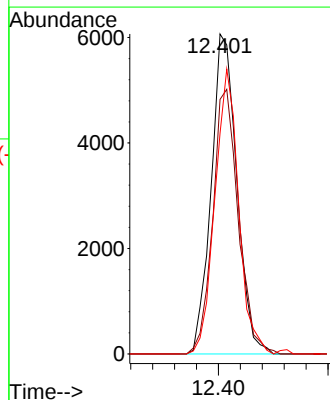
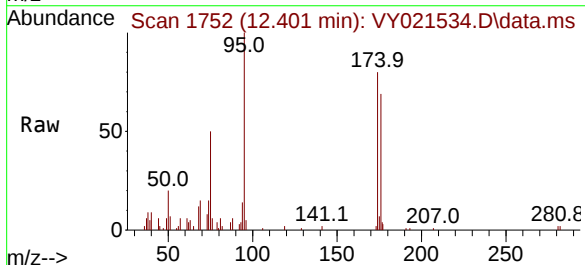
Instrument :
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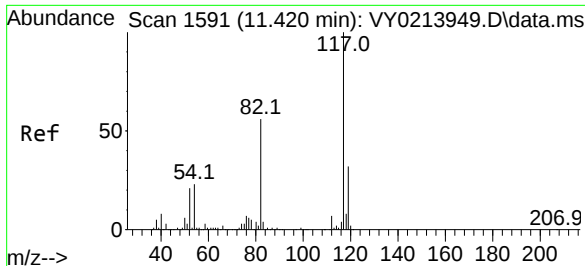
Tgt Ion: 98 Resp: 54897
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 23.368 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021534.D
Acq: 14 Mar 2025 12:39

Tgt Ion: 95 Resp: 9867
Ion Ratio Lower Upper
95 100
174 82.3 0.0 165.0
176 82.0 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021534.D

Acq: 14 Mar 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

RT2321RE

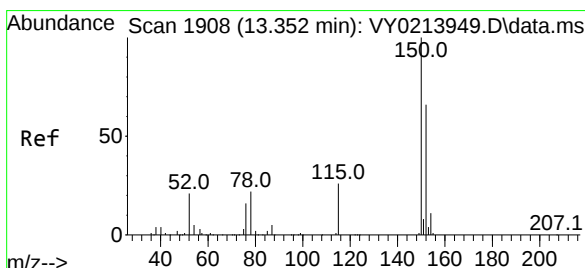
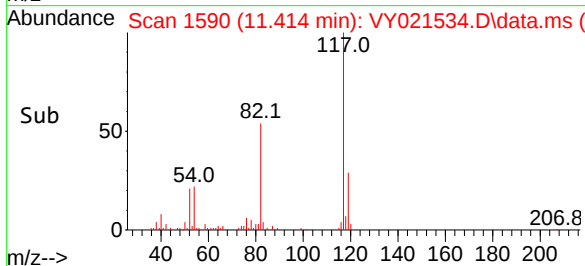
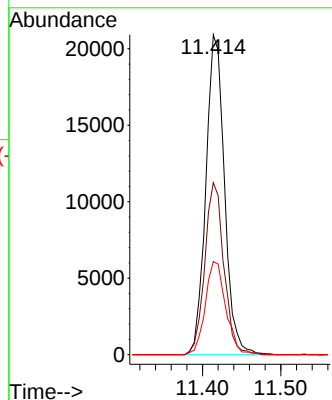
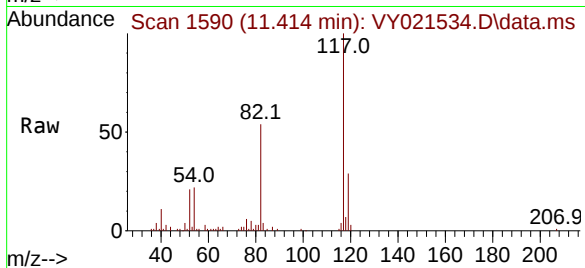
Tgt Ion:117 Resp: 34521

Ion Ratio Lower Upper

117 100

82 53.8 44.6 67.0

119 29.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021534.D

Acq: 14 Mar 2025 12:39

Tgt Ion:152 Resp: 6334

Ion Ratio Lower Upper

152 100

115 65.6 29.0 87.0

150 170.2 0.0 347.2

