

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021125\
 Data File : VY021171.D
 Acq On : 11 Feb 2025 15:38
 Operator : SY/MD
 Sample : Q1345-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-021025

Quant Time: Feb 12 01:03:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

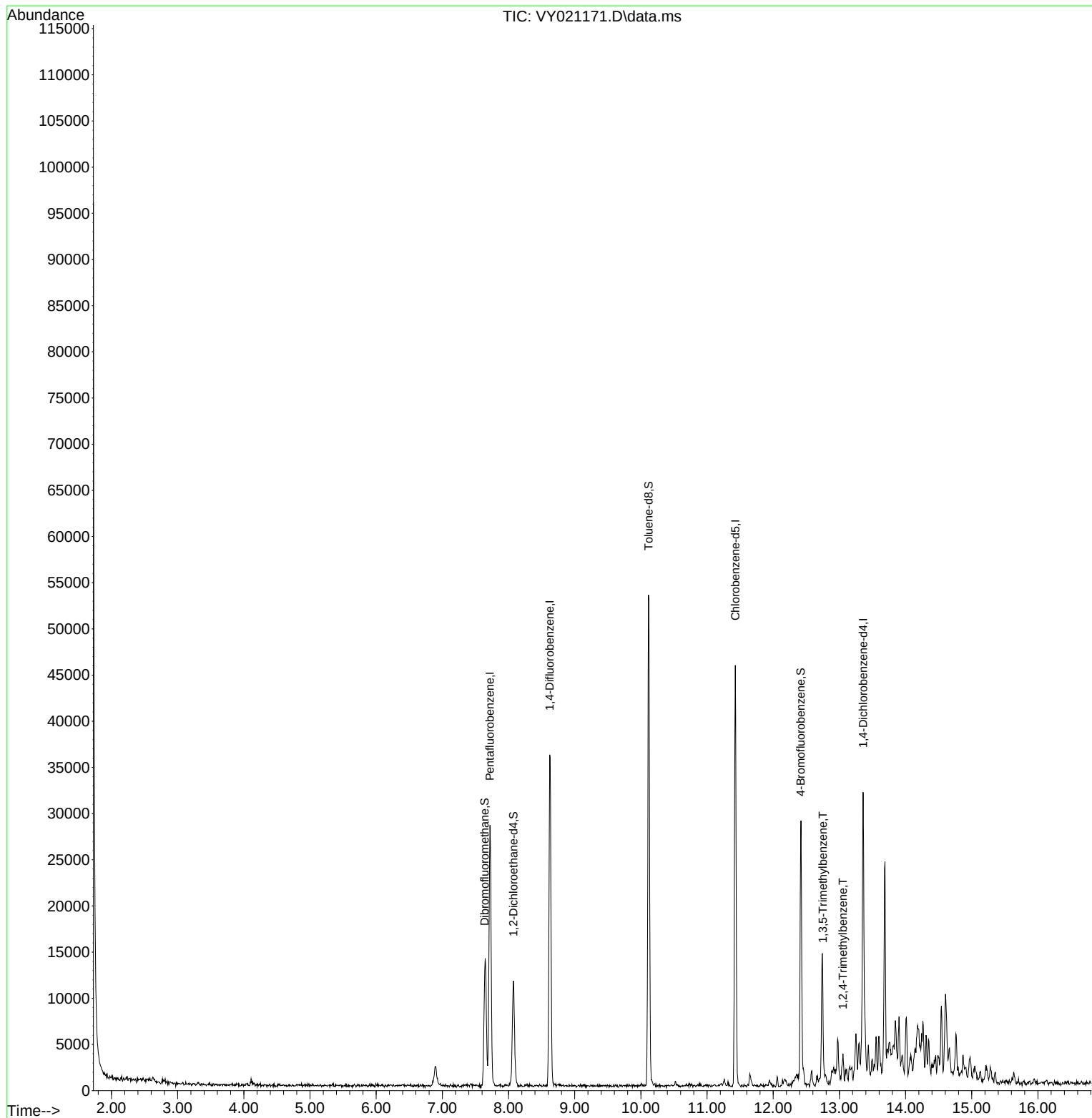
Internal Standards						
1) Pentafluorobenzene	7.719	168	20897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	31399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	24093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	7136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	9451	44.142	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.280%
35) Dibromofluoromethane	7.640	113	10328	51.325	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.660%
50) Toluene-d8	10.115	98	36103	47.127	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.260%
62) 4-Bromofluorobenzene	12.414	95	8303	33.176	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.360%
Target Compounds						
					Qvalue	
80) 1,3,5-Trimethylbenzene	12.749	105	1128	2.496	ug/l	92
84) 1,2,4-Trimethylbenzene	13.054	105	1283	2.903	ug/l	92

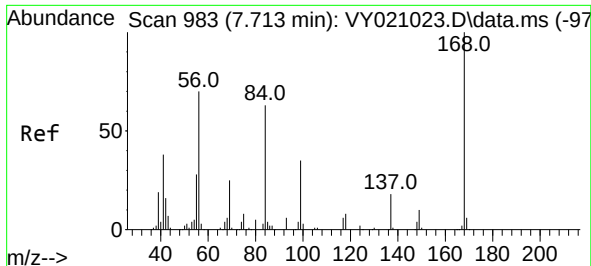
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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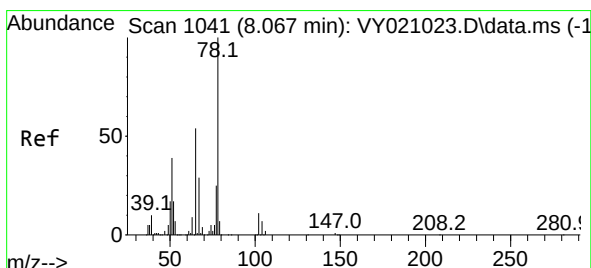
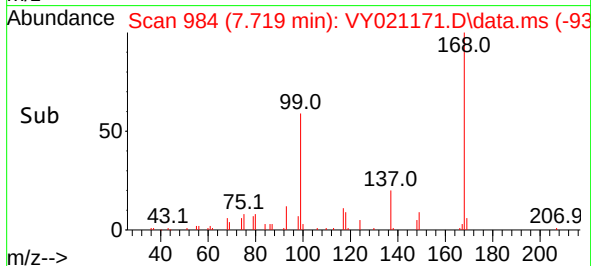
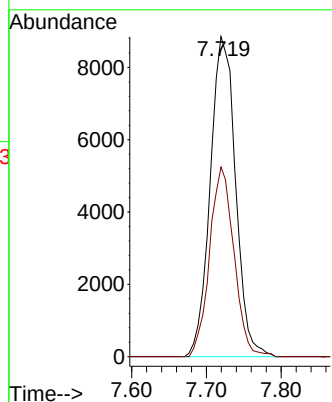
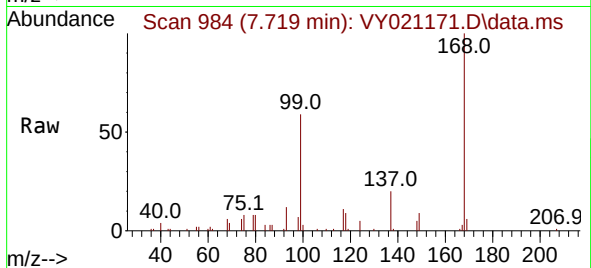




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

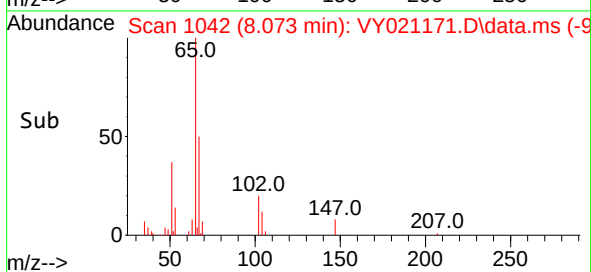
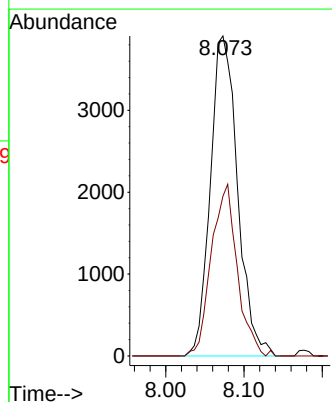
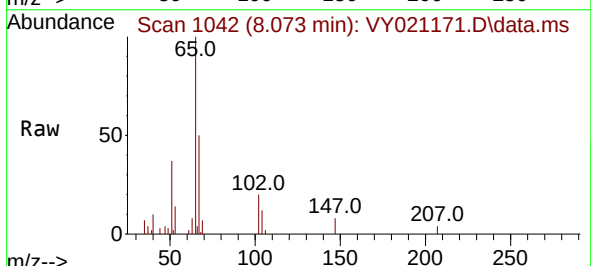
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-021025

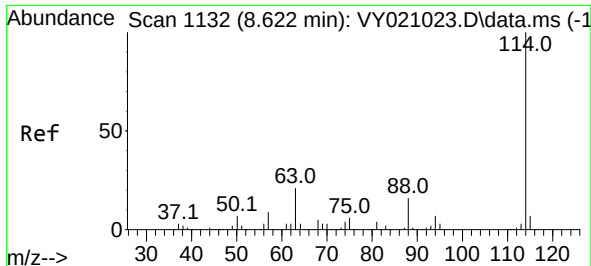
Tgt Ion:168 Resp: 20897
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.142 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Tgt Ion: 65 Resp: 9451
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-021025

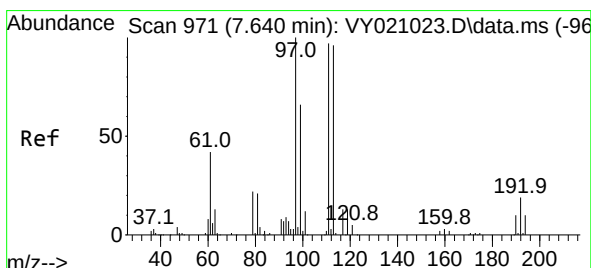
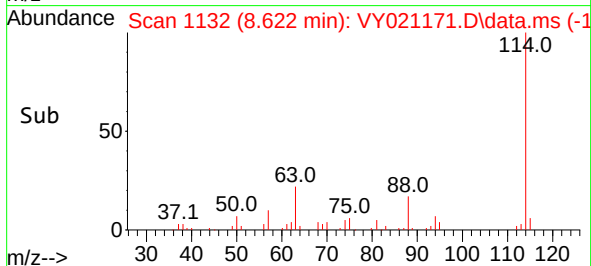
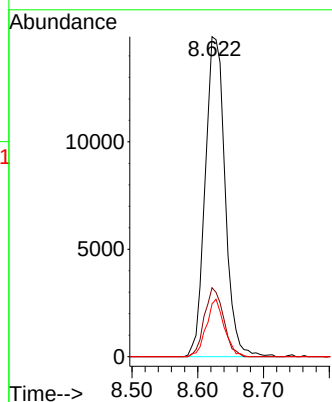
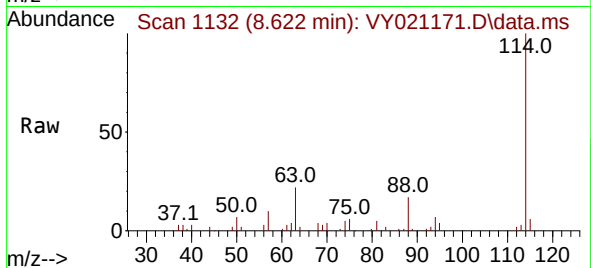
Tgt Ion:114 Resp: 31399

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 16.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.325 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

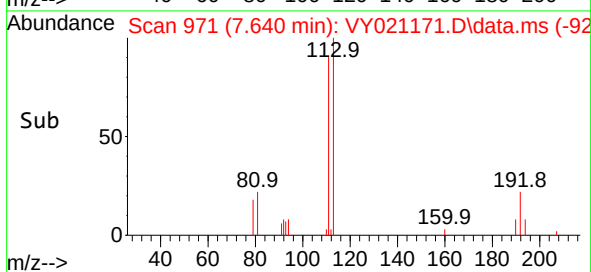
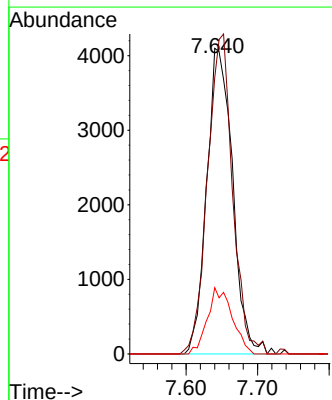
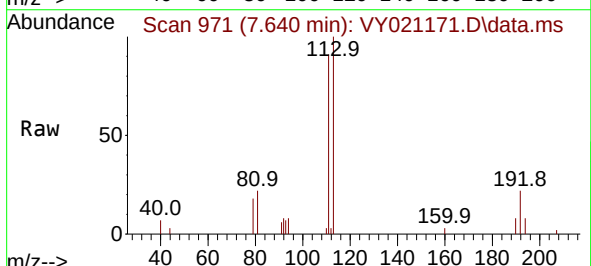
Tgt Ion:113 Resp: 10328

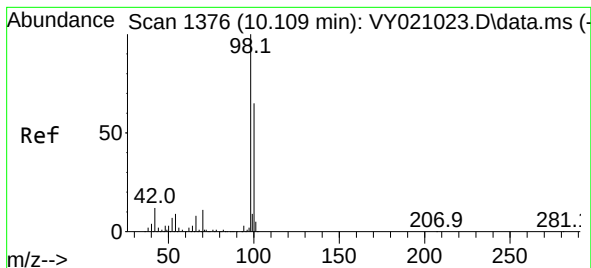
Ion Ratio Lower Upper

113 100

111 100.9 83.8 125.6

192 20.7 14.5 21.7

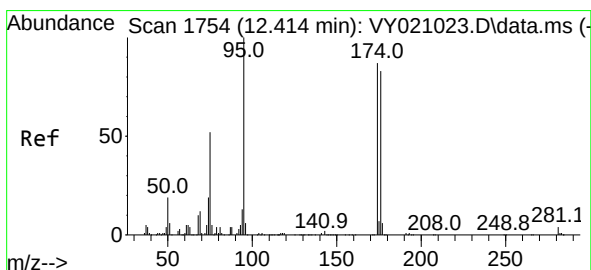
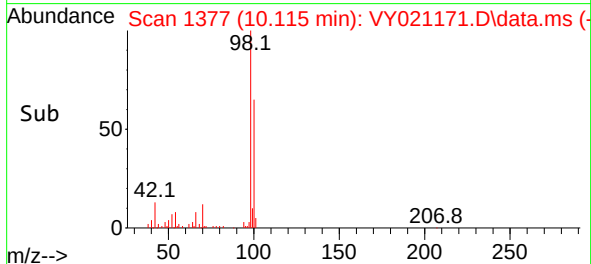
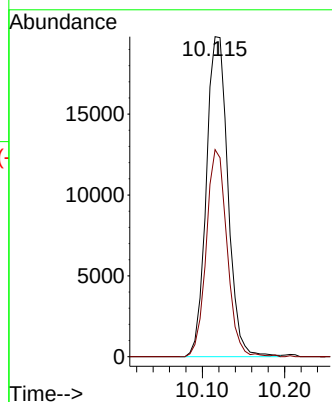
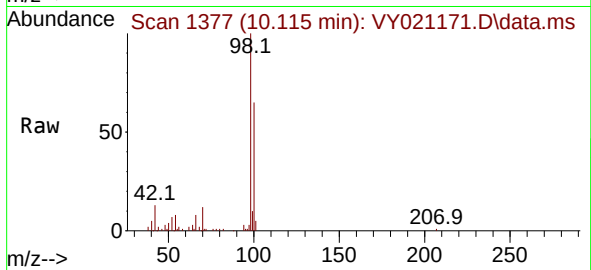




#50
Toluene-d8
Concen: 47.127 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

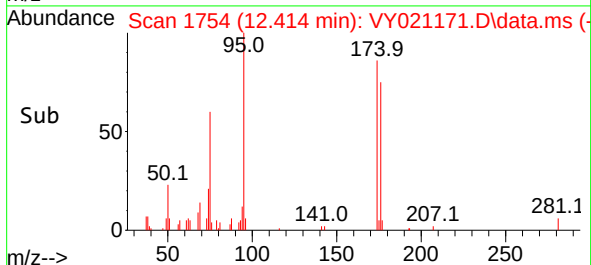
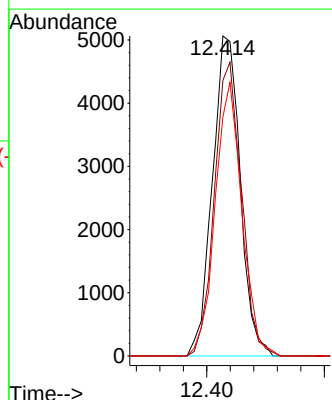
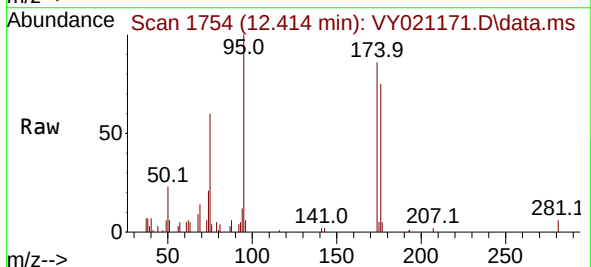
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-021025

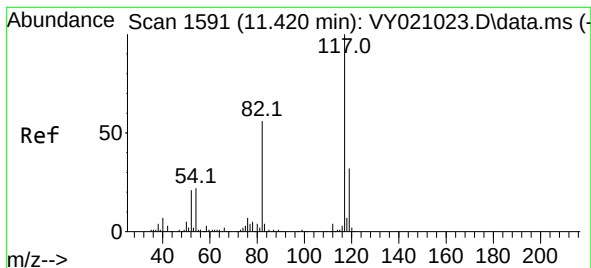
Tgt Ion: 98 Resp: 36103
Ion Ratio Lower Upper
98 100
100 62.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 33.176 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Tgt Ion: 95 Resp: 8303
Ion Ratio Lower Upper
95 100
174 89.4 0.0 160.0
176 82.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-021025

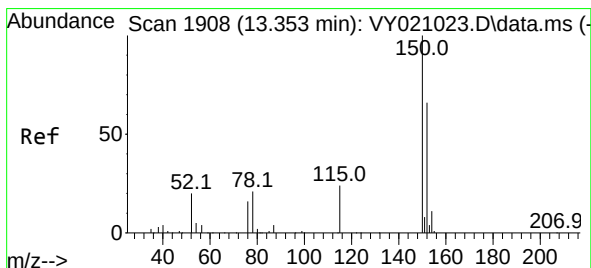
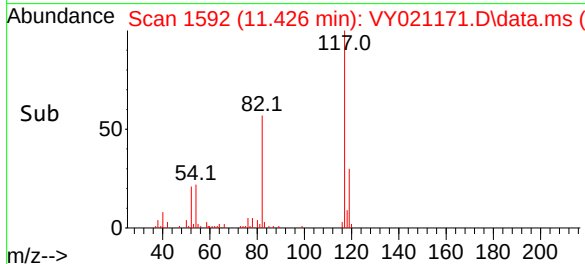
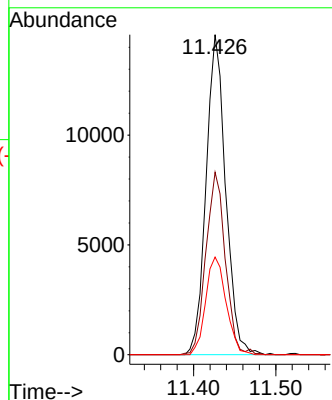
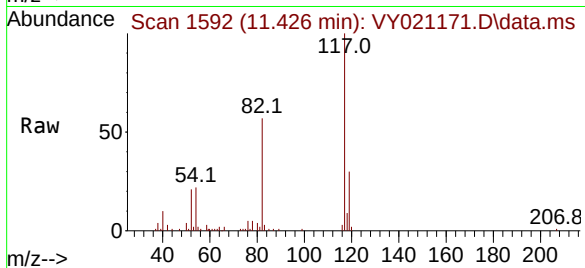
Tgt Ion:117 Resp: 24093

Ion Ratio Lower Upper

117 100

82 57.0 43.8 65.8

119 30.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

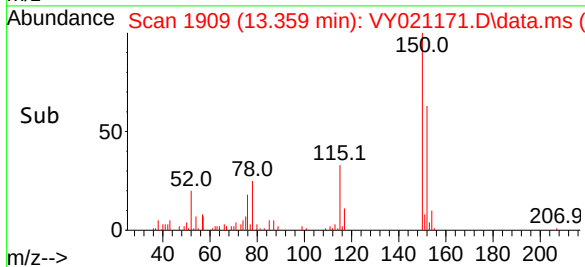
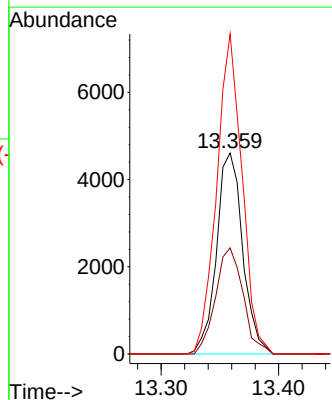
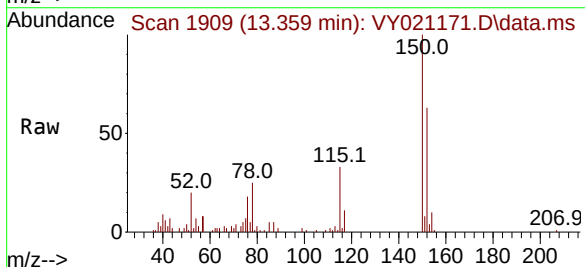
Tgt Ion:152 Resp: 7136

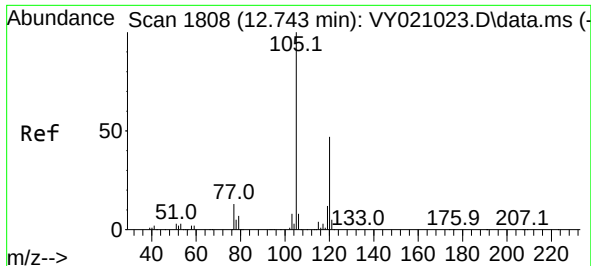
Ion Ratio Lower Upper

152 100

115 55.5 30.0 90.0

150 154.3 0.0 344.6

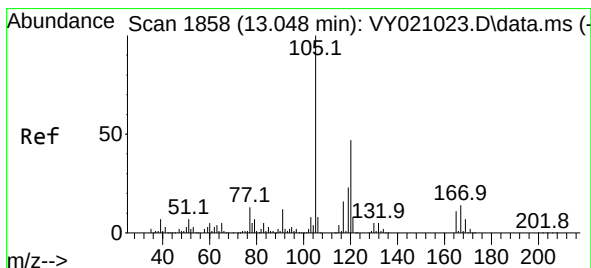
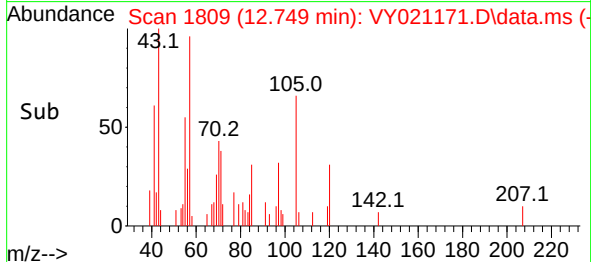
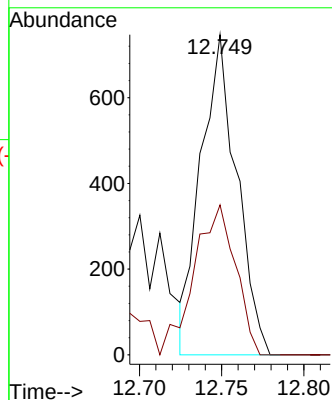
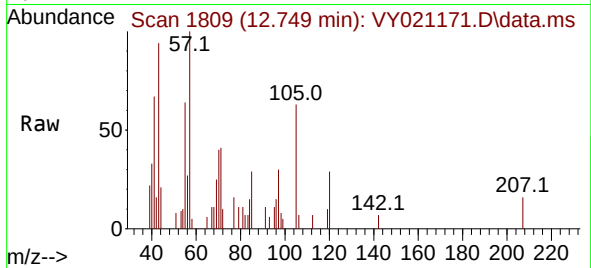




#80
1,3,5-Trimethylbenzene
Concen: 2.496 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-021025

Tgt Ion:105 Resp: 1128
Ion Ratio Lower Upper
105 100
120 54.3 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 2.903 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Tgt Ion:105 Resp: 1283
Ion Ratio Lower Upper
105 100
120 49.5 22.1 66.3

