

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021338.D
 Acq On : 26 Feb 2025 17:48
 Operator : SY/MD
 Sample : Q1415-03
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-163-SB02

Quant Time: Feb 27 00:40:58 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)

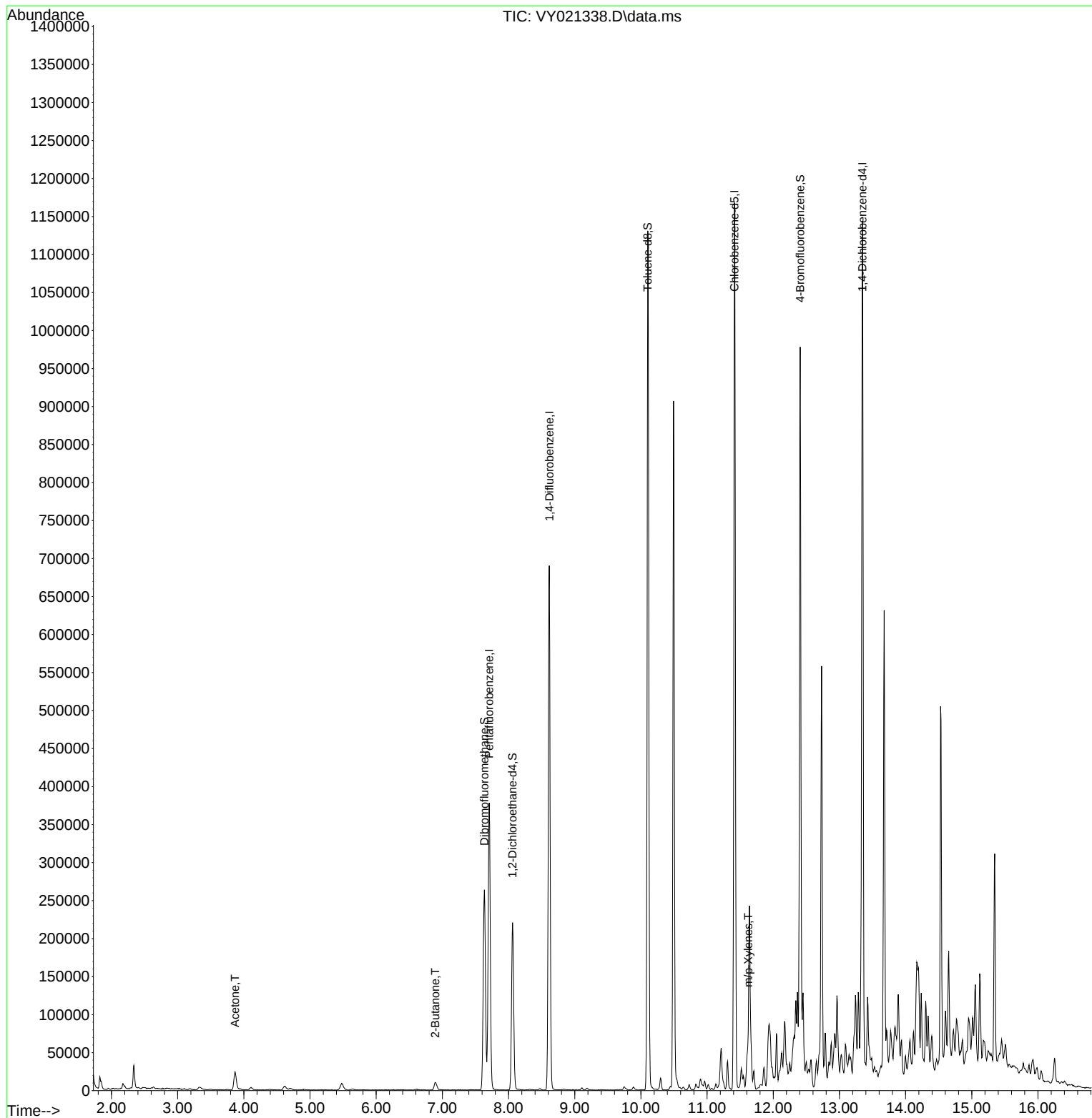
Internal Standards						
1) Pentafluorobenzene	7.707	168	278202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	583706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	249107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174903	55.420	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.840%	
35) Dibromofluoromethane	7.634	113	184126	50.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.780%	
50) Toluene-d8	10.103	98	709070	50.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	12.408	95	267792	56.342	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.680%	
Target Compounds						
						Qvalue
16) Acetone	3.866	43	41560	68.650	ug/l	98
25) 2-Butanone	6.890	43	17344	18.983	ug/l	97
68) m/p-Xylenes	11.621	106	10321	1.182	ug/l	98

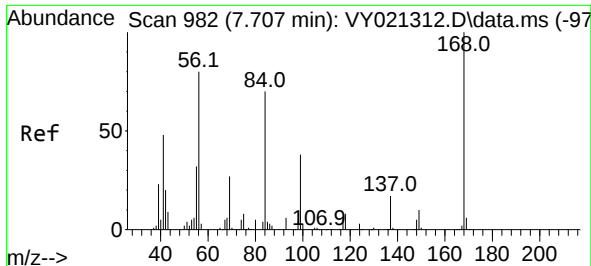
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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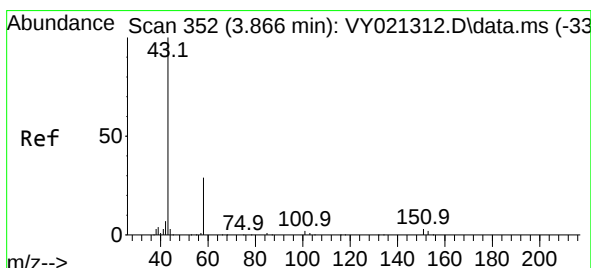
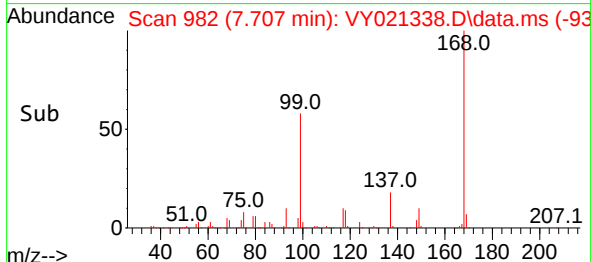
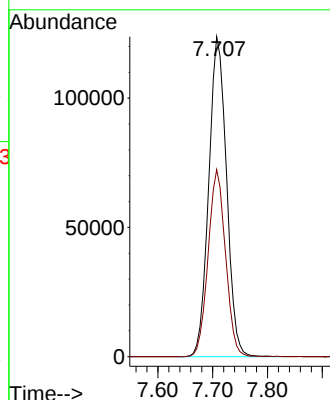
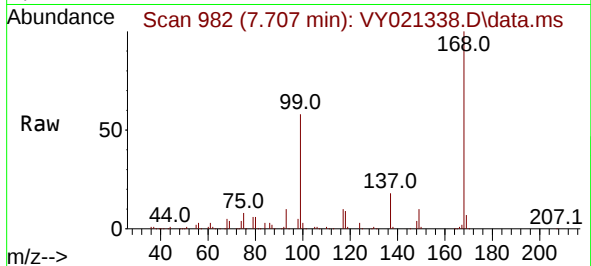




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

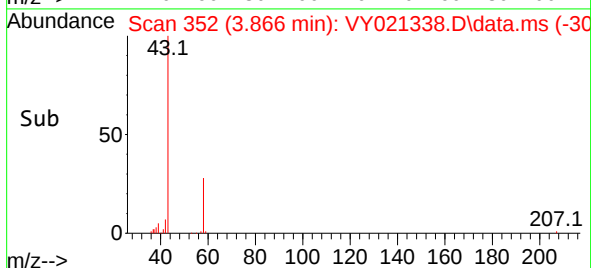
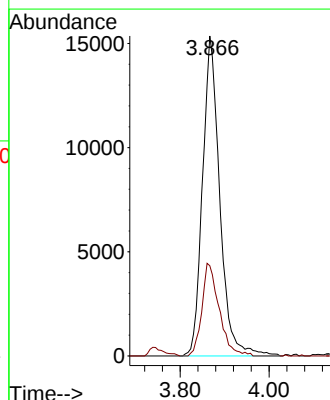
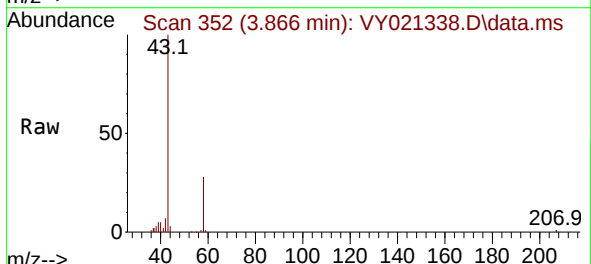
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB02

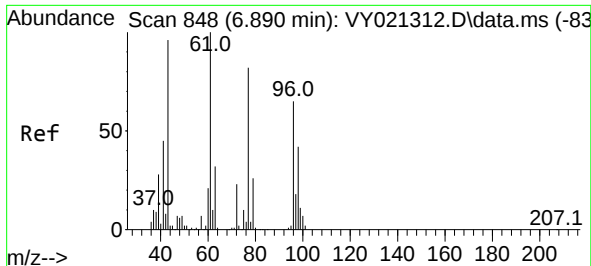
Tgt Ion:168 Resp: 278202
Ion Ratio Lower Upper
168 100
99 58.4 47.1 70.7



#16
Acetone
Concen: 68.650 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

Tgt Ion: 43 Resp: 41560
Ion Ratio Lower Upper
43 100
58 28.2 23.5 35.3

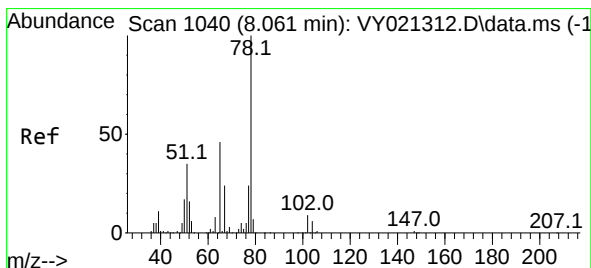
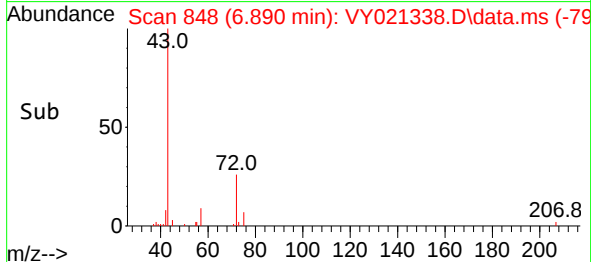
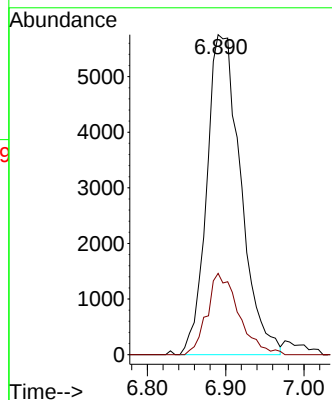
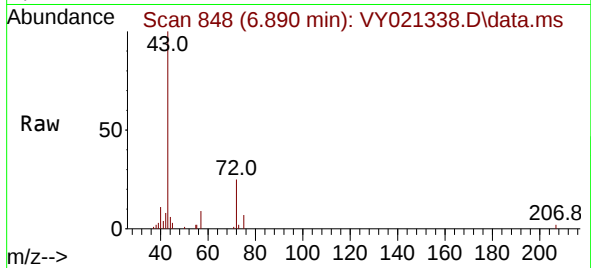




#25
2-Butanone
Concen: 18.983 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

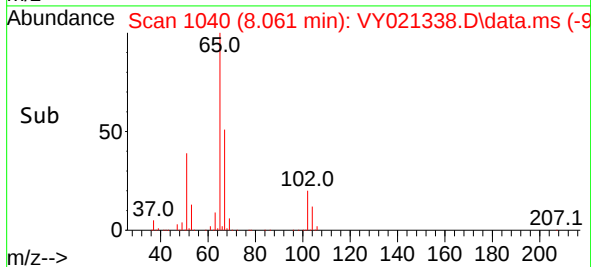
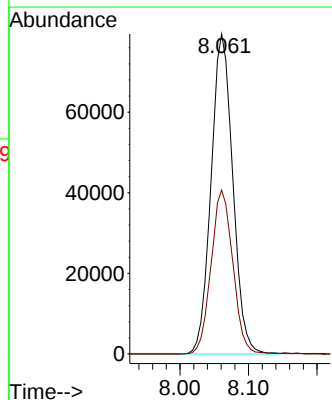
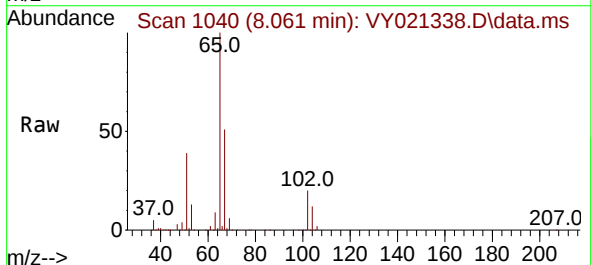
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB02

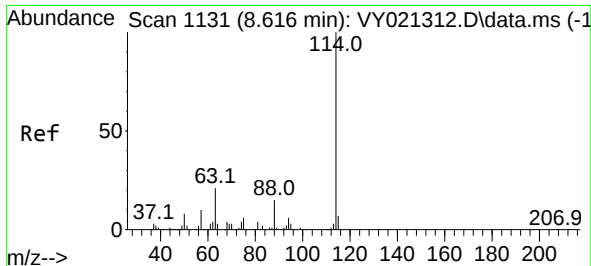
Tgt Ion: 43 Resp: 17344
Ion Ratio Lower Upper
43 100
72 25.4 19.0 28.6



#33
1,2-Dichloroethane-d4
Concen: 55.420 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

Tgt Ion: 65 Resp: 174903
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.6

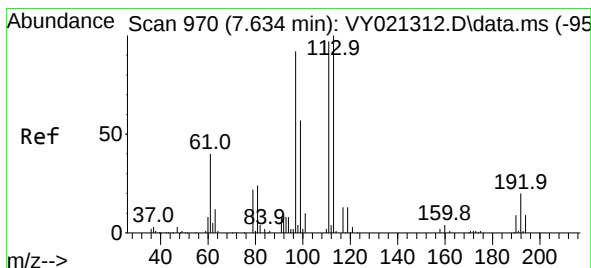
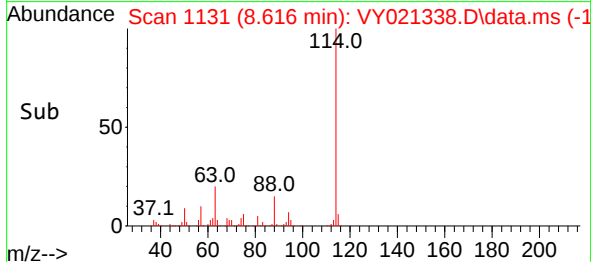
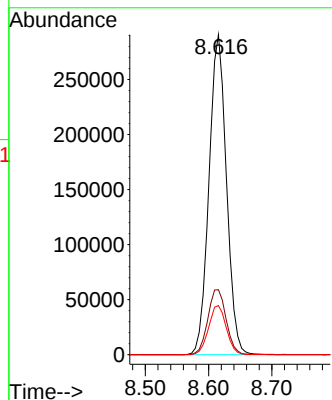
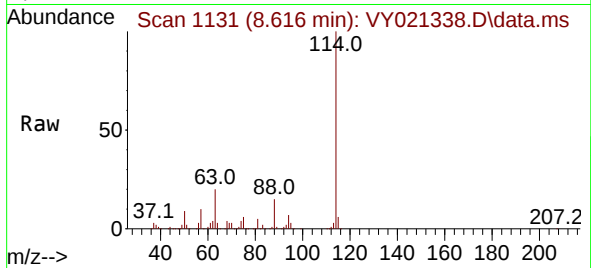




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

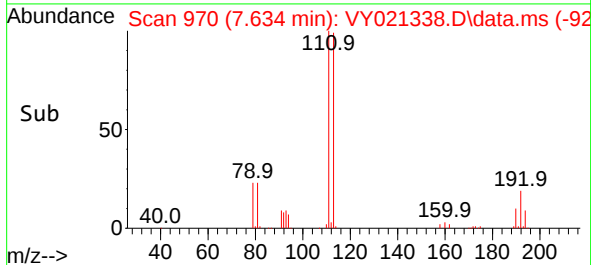
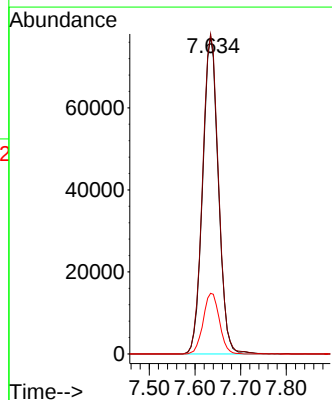
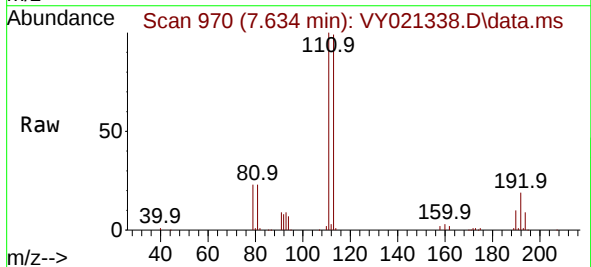
Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB02

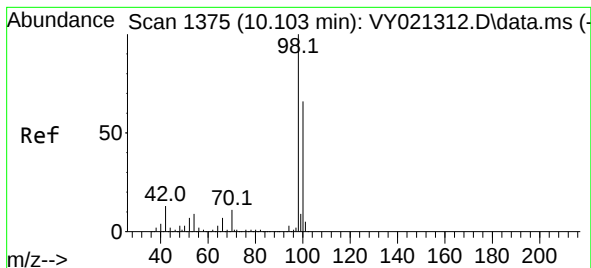
Tgt Ion:114 Resp: 557389
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.2
88 15.3 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.386 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

Tgt Ion:113 Resp: 184126
Ion Ratio Lower Upper
113 100
111 102.3 81.0 121.6
192 19.8 15.8 23.8





#50

Toluene-d8

Concen: 50.207 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021338.D

Acq: 26 Feb 2025 17:48

Instrument :

MSVOA_Y

ClientSampleId :

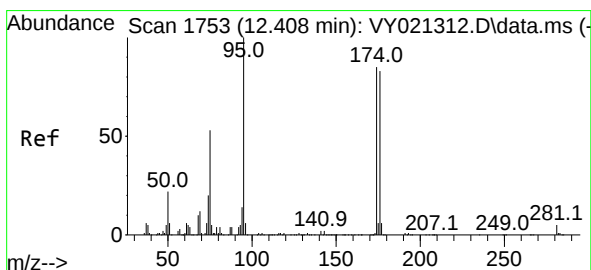
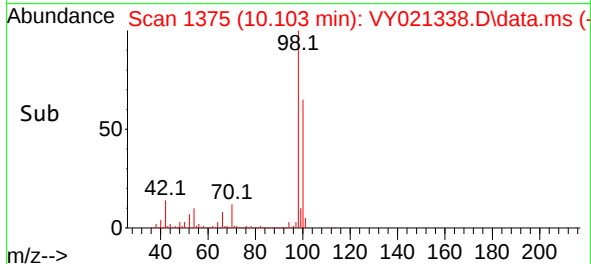
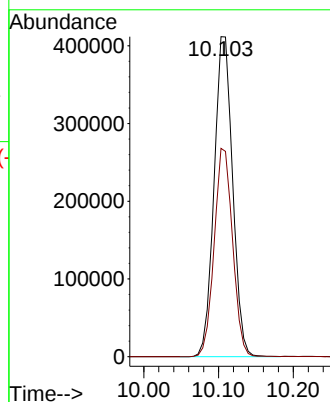
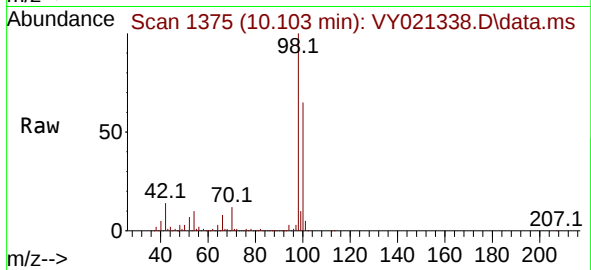
B-163-SB02

Tgt Ion: 98 Resp: 709070

Ion Ratio Lower Upper

98 100

100 64.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 56.342 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021338.D

Acq: 26 Feb 2025 17:48

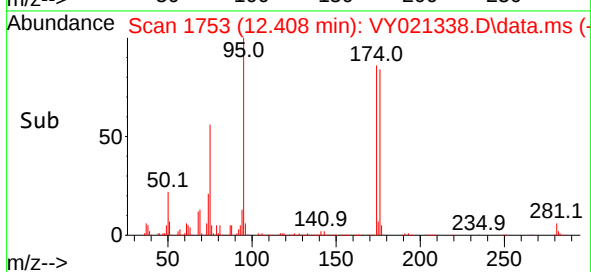
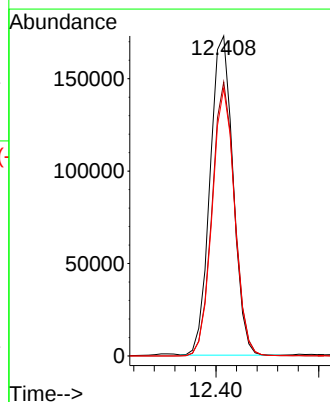
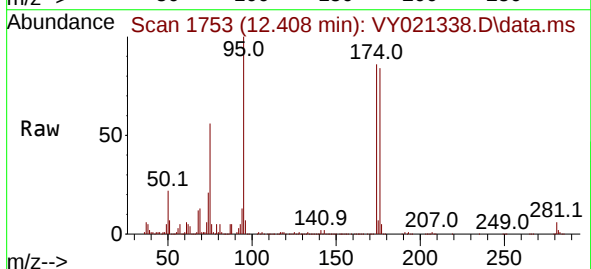
Tgt Ion: 95 Resp: 267792

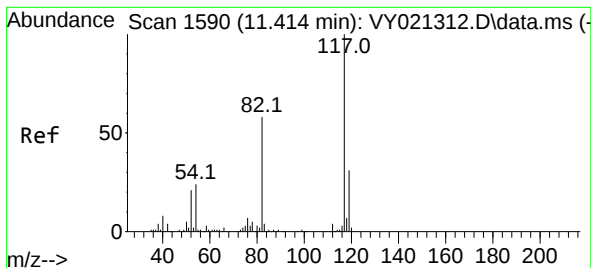
Ion Ratio Lower Upper

95 100

174 84.3 0.0 168.0

176 82.1 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021338.D

Acq: 26 Feb 2025 17:48

Instrument :

MSVOA_Y

ClientSampleId :

B-163-SB02

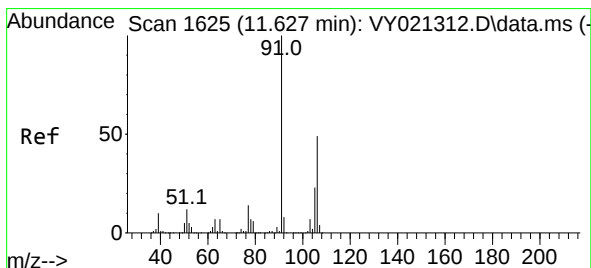
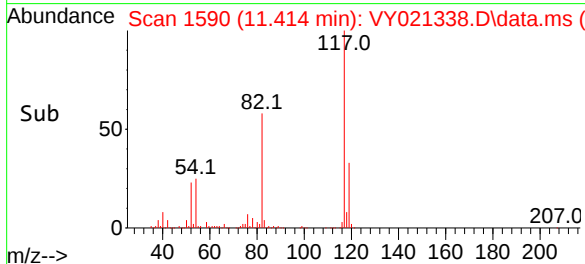
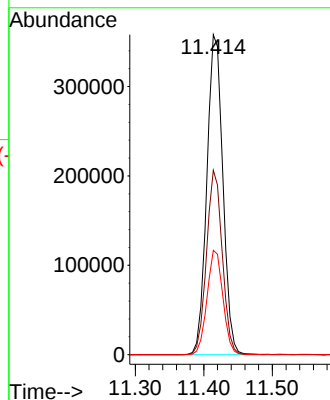
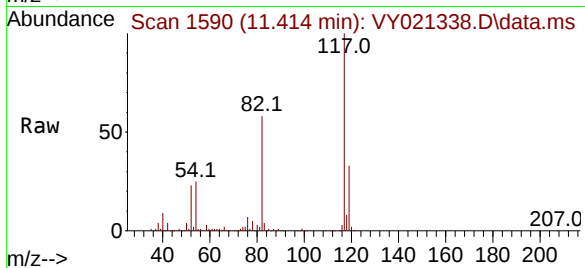
Tgt Ion:117 Resp: 583706

Ion Ratio Lower Upper

117 100

82 57.6 46.2 69.4

119 32.6 24.9 37.3



#68

m/p-Xylenes

Concen: 1.182 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY021338.D

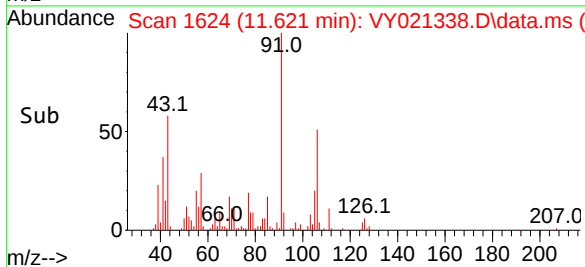
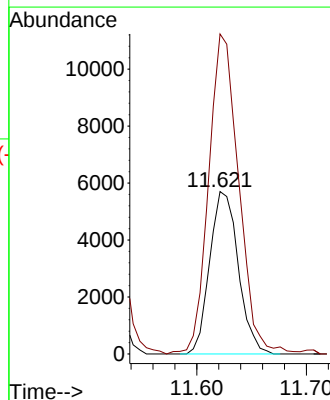
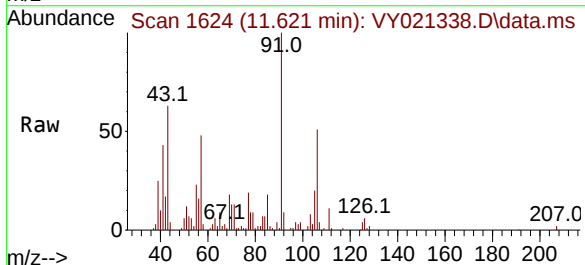
Acq: 26 Feb 2025 17:48

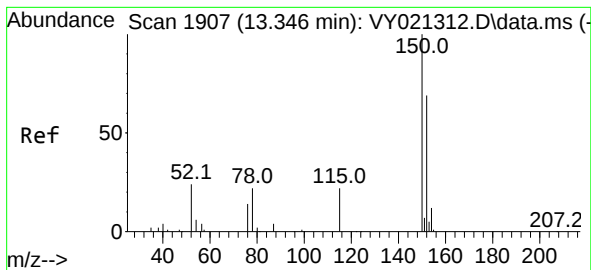
Tgt Ion:106 Resp: 10321

Ion Ratio Lower Upper

106 100

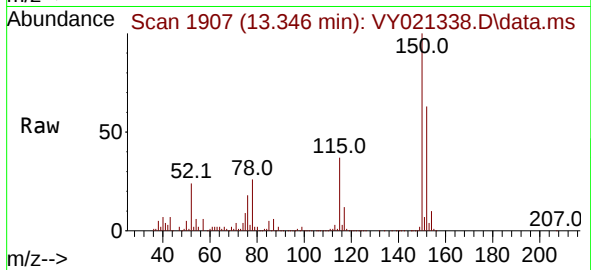
91 207.8 163.9 245.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021338.D
Acq: 26 Feb 2025 17:48

Instrument :
MSVOA_Y
ClientSampleId :
B-163-SB02



Tgt Ion:152 Resp: 249107
Ion Ratio Lower Upper
152 100
115 59.0 29.3 88.0
150 158.7 0.0 347.4

