

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020638.D
 Acq On : 18 Dec 2024 16:04
 Operator : SY/MD
 Sample : P5301-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-121624

Quant Time: Dec 19 02:50:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

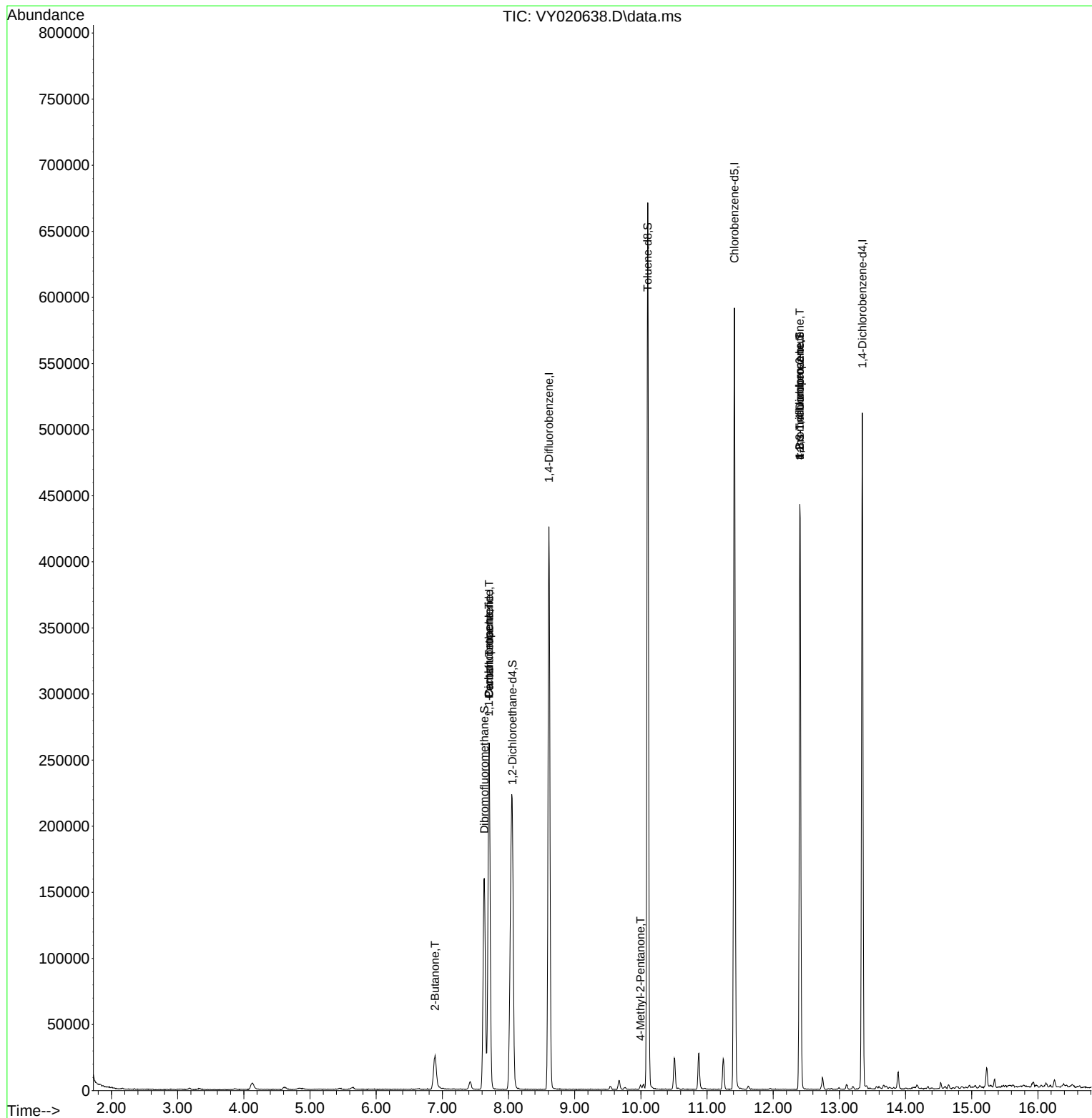
Internal Standards						
1) Pentafluorobenzene	7.707	168	200999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	357855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	115462	52.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.900%			
35) Dibromofluoromethane	7.634	113	115586	45.830	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.660%			
50) Toluene-d8	10.103	98	428546	48.546	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.100%			
62) 4-Bromofluorobenzene	12.401	95	136888	39.642	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 79.280%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	2238	Below Cal	#	75
16) Acetone	3.866	43	1261	Below Cal	#	71
25) 2-Butanone	6.890	43	1533	1.874	ug/l #	71
30) Chloroform	7.421	83	6060	Below Cal		92
36) 1,1-Dichloropropene	7.701	75	15605	3.393	ug/l #	51
38) Carbon Tetrachloride	7.707	117	20521	4.033	ug/l #	15
51) 4-Methyl-2-Pentanone	9.993	43	2746	1.270	ug/l	87
76) 1,2,3-Trichloropropane	12.401	75	71457	54.777	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	71457	114.979	ug/l #	12

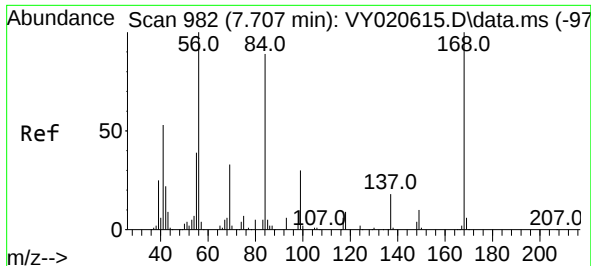
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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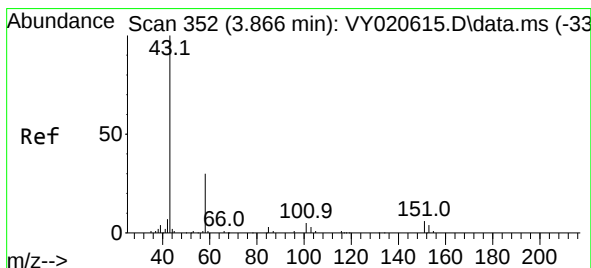
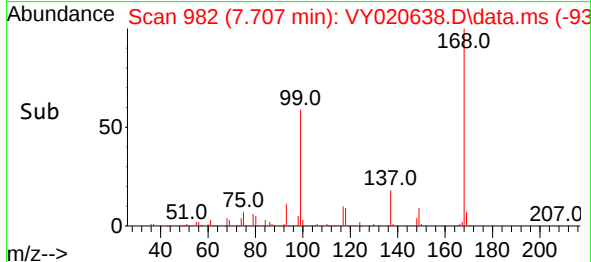
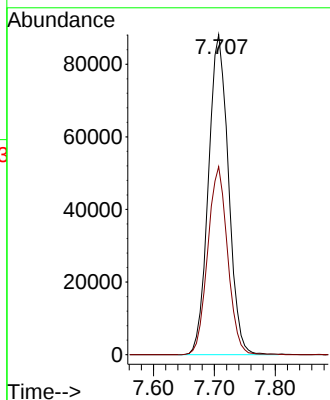
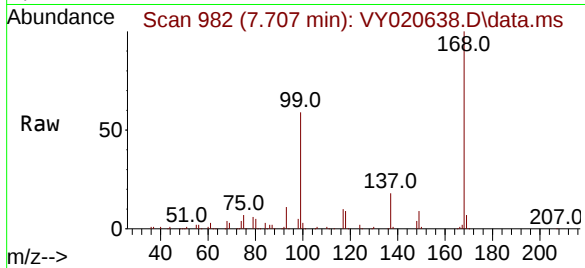




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

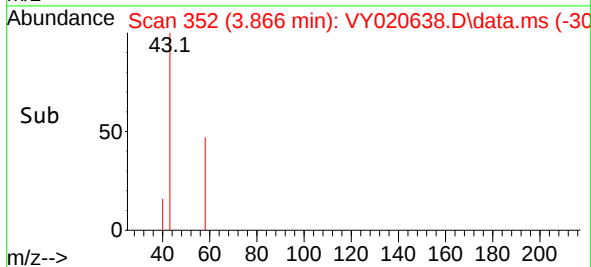
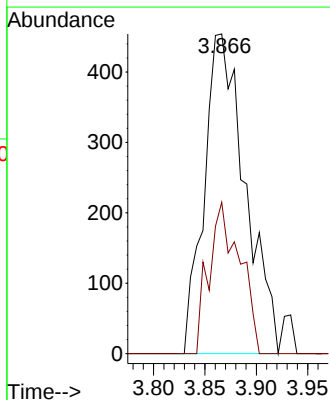
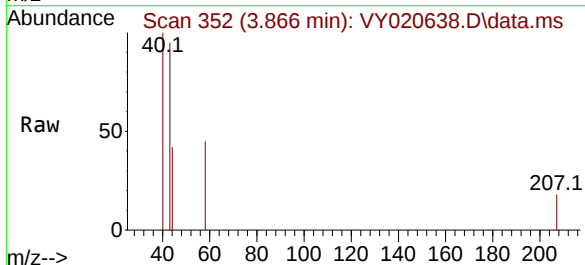
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121624

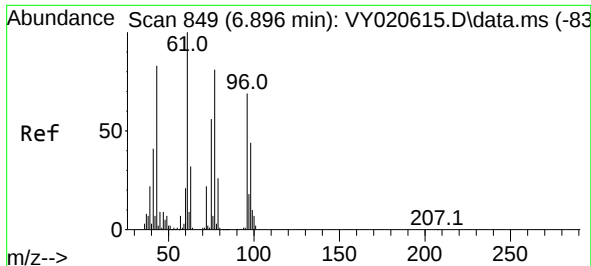
Tgt Ion:168 Resp: 200999
Ion Ratio Lower Upper
168 100
99 58.7 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
58 47.4 25.0 37.6#

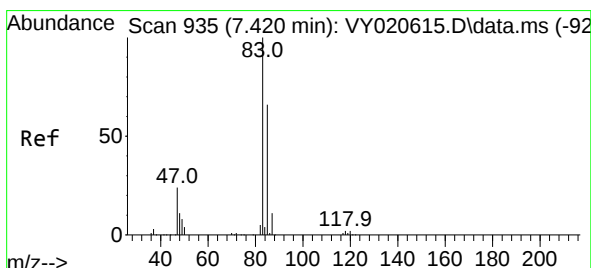
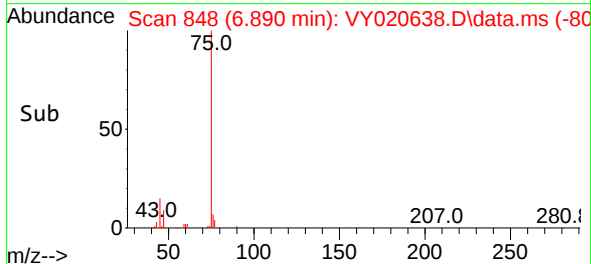
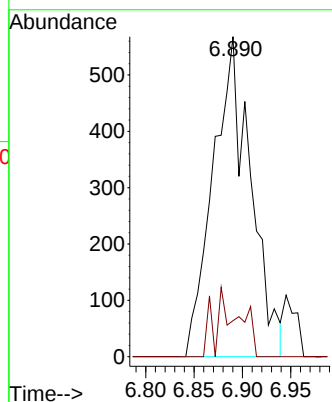
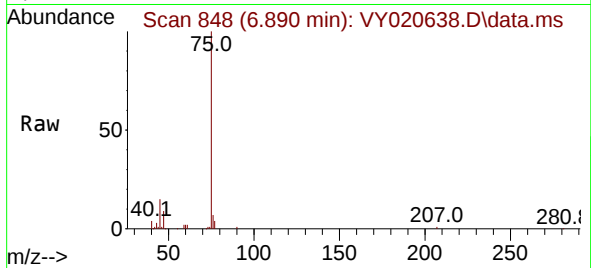




#25
2-Butanone
Concen: 1.874 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

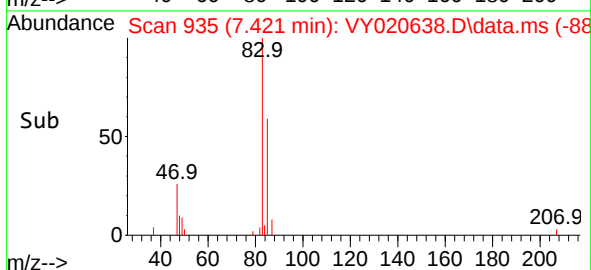
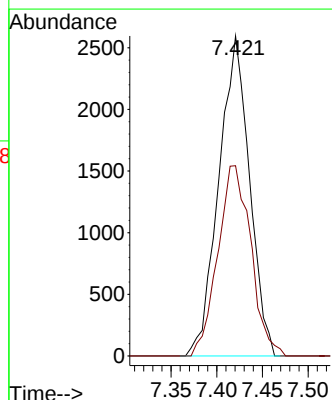
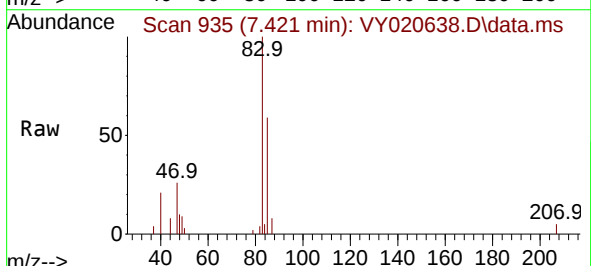
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121624

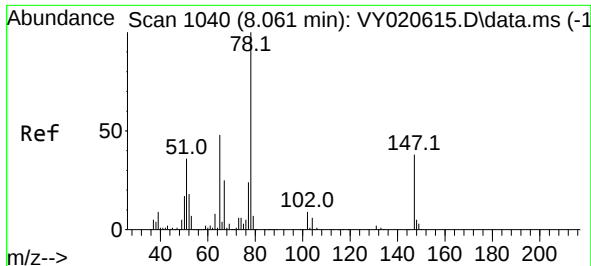
Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
72 11.3 20.6 31.0#



#30
Chloroform
Concen: Below Cal
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

Tgt Ion: 83 Resp: 6060
Ion Ratio Lower Upper
83 100
85 59.4 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 52.450 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020638.D

Acq: 18 Dec 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

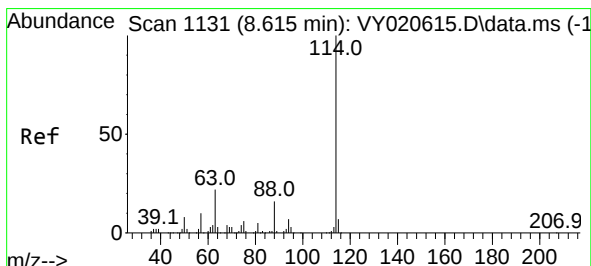
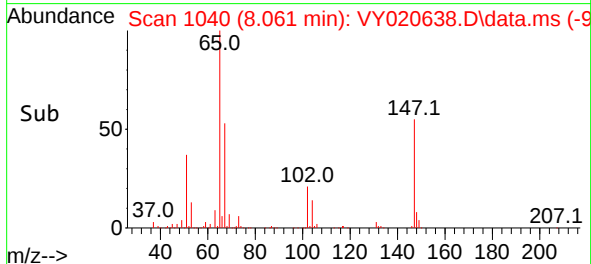
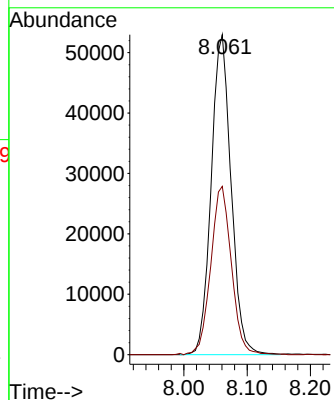
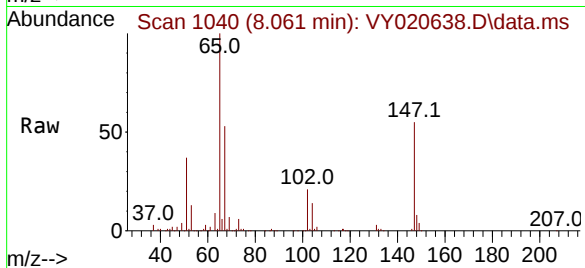
HR-01-121624

Tgt Ion: 65 Resp: 115462

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY020638.D

Acq: 18 Dec 2024 16:04

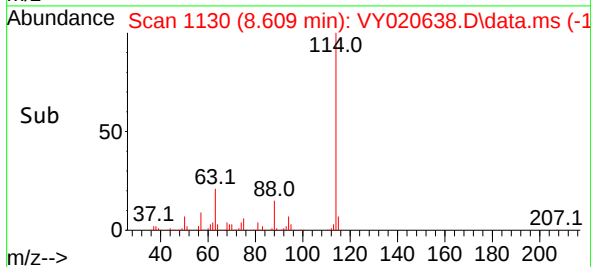
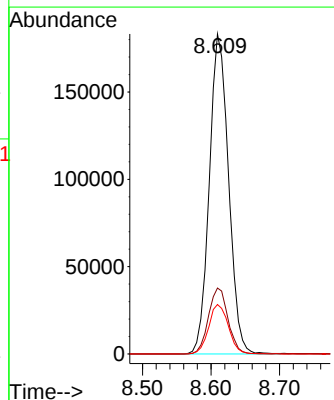
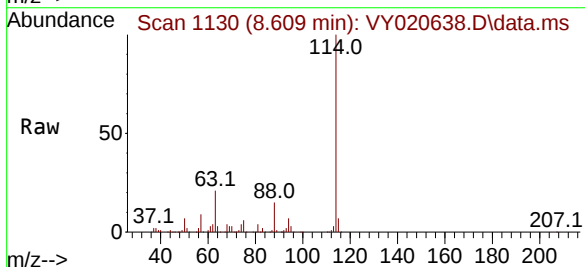
Tgt Ion: 114 Resp: 357855

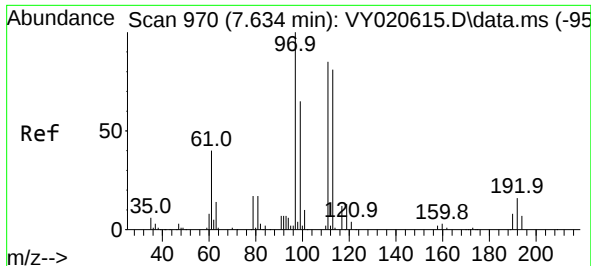
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.0

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.830 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020638.D

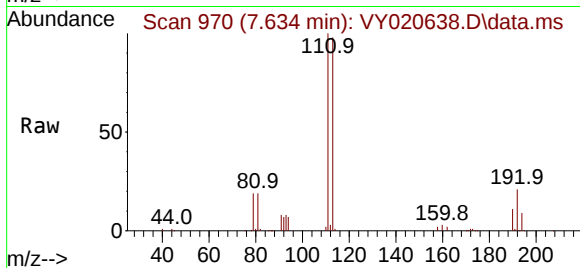
Acq: 18 Dec 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-121624



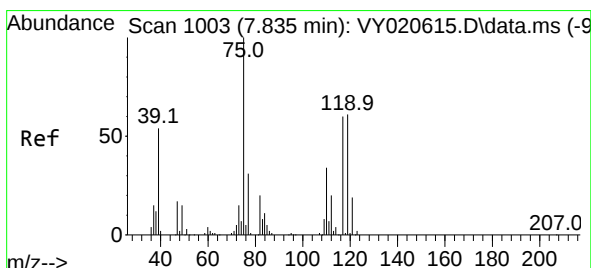
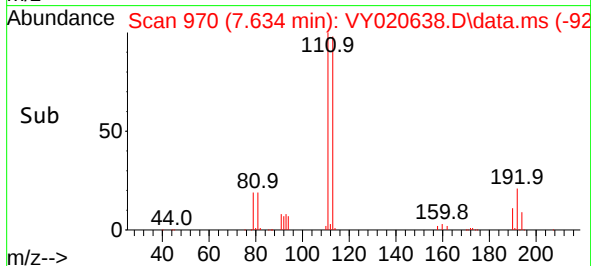
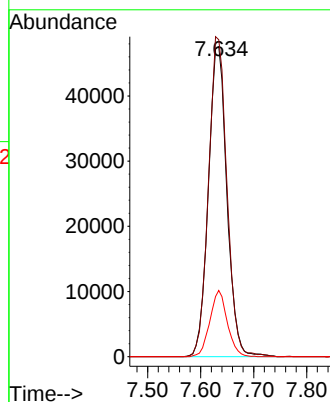
Tgt Ion:113 Resp: 115586

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 20.1 15.7 23.5



#36

1,1-Dichloropropene

Concen: 3.393 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY020638.D

Acq: 18 Dec 2024 16:04

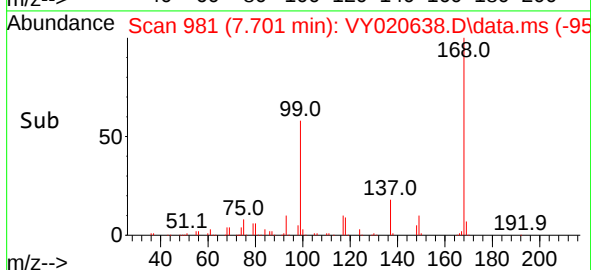
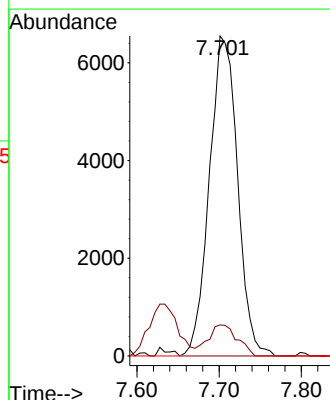
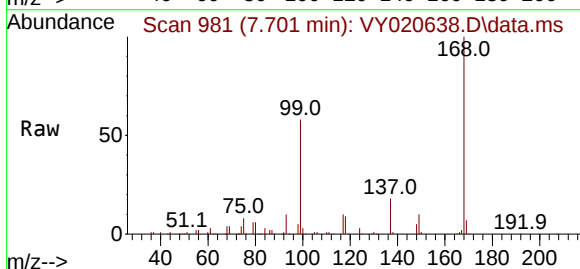
Tgt Ion: 75 Resp: 15605

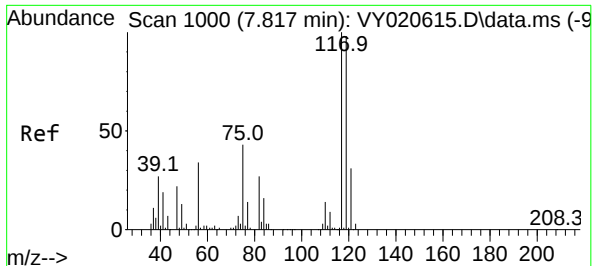
Ion Ratio Lower Upper

75 100

110 10.0 16.8 50.4#

77 0.0 25.0 37.6#

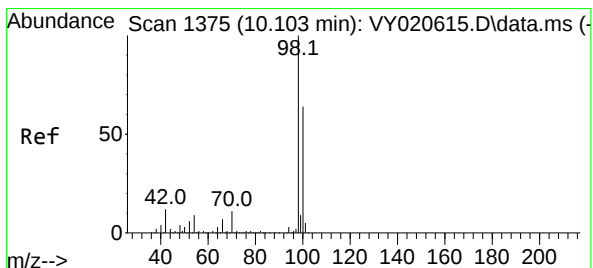
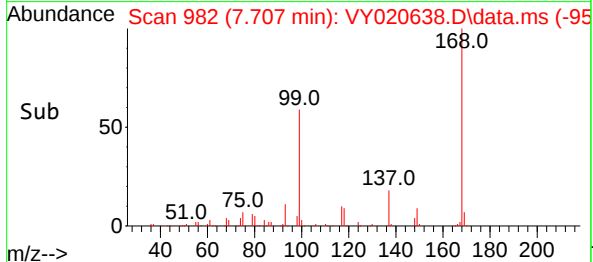
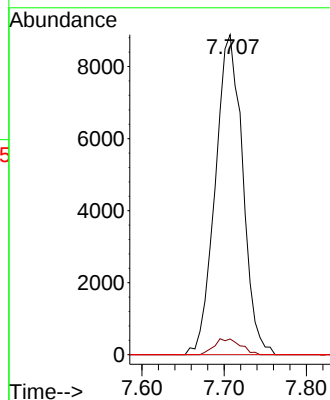
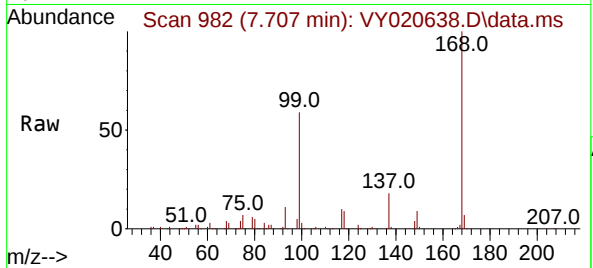




#38
Carbon Tetrachloride
Concen: 4.033 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

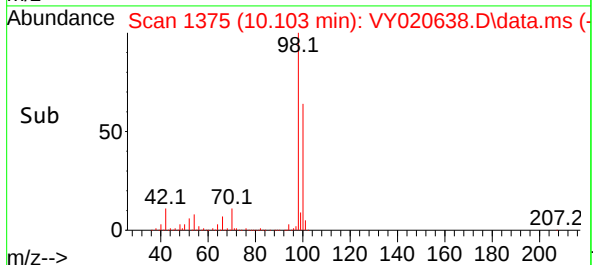
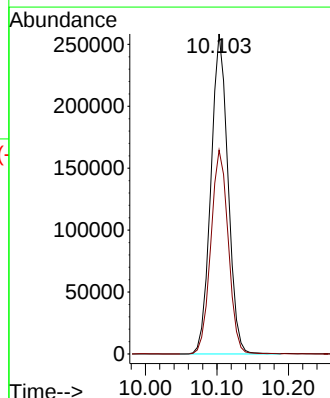
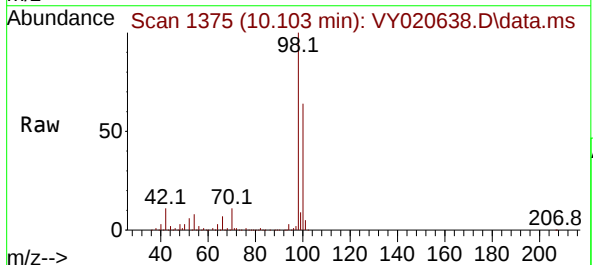
Instrument :
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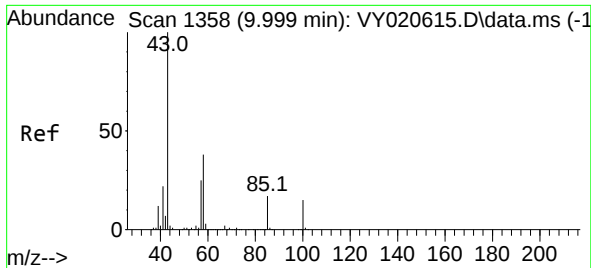
Tgt Ion:117 Resp: 20521
Ion Ratio Lower Upper
117 100
119 4.9 78.3 117.5#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 48.546 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

Tgt Ion: 98 Resp: 428546
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

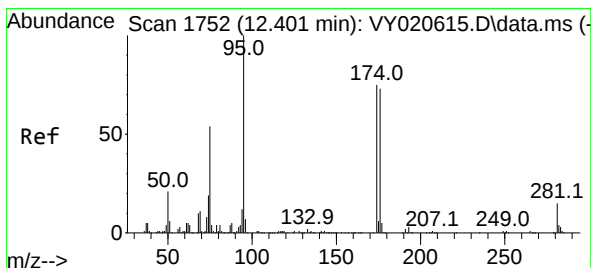
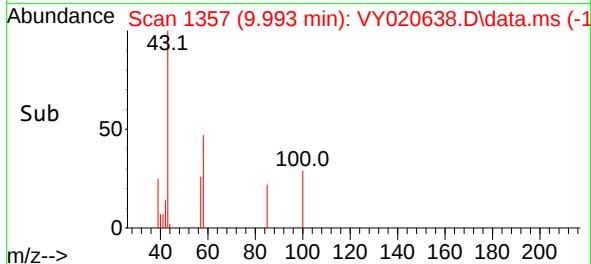
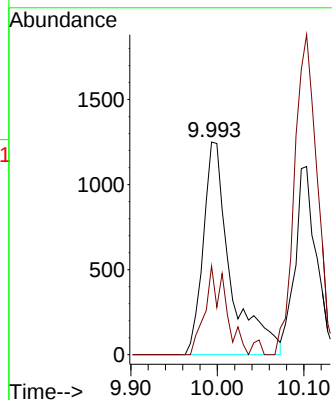
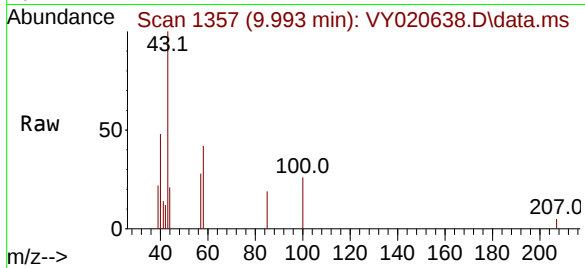




#51
4-Methyl-2-Pentanone
Concen: 1.270 ug/l
RT: 9.993 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

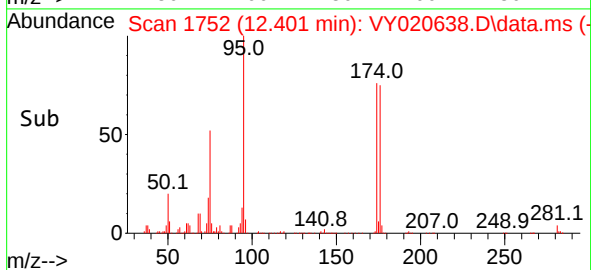
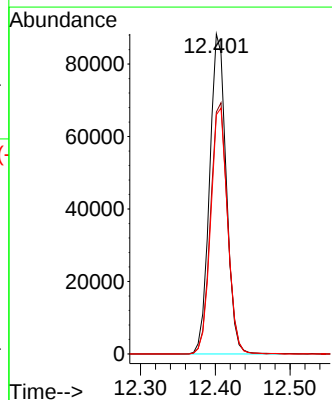
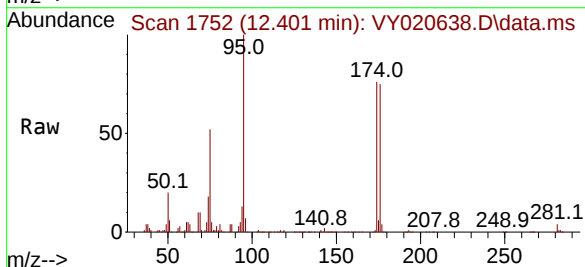
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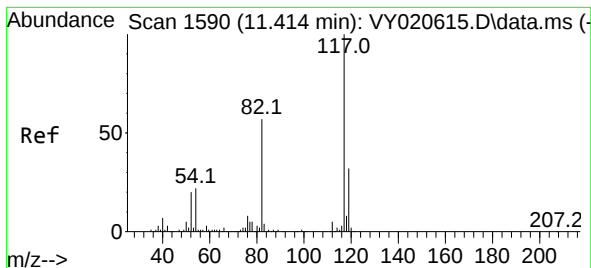
Tgt Ion: 43 Resp: 2746
Ion Ratio Lower Upper
43 100
58 31.6 31.4 47.2



#62
4-Bromofluorobenzene
Concen: 39.642 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

Tgt Ion: 95 Resp: 136888
Ion Ratio Lower Upper
95 100
174 80.0 0.0 161.8
176 78.0 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020638.D

Acq: 18 Dec 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-121624

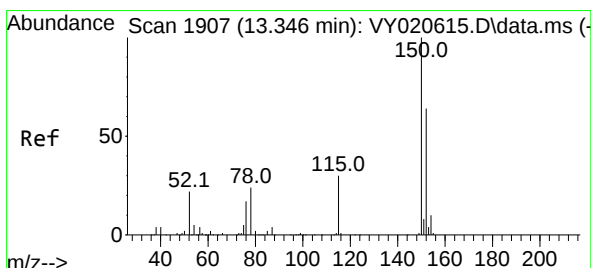
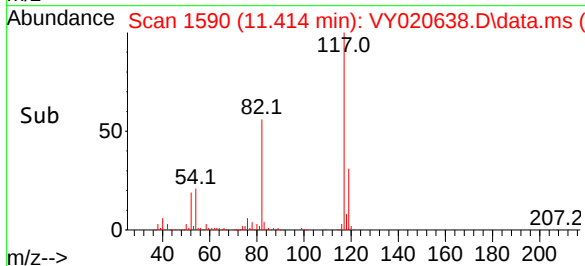
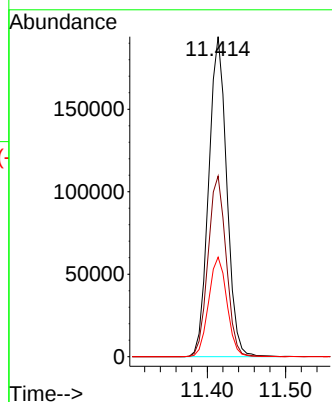
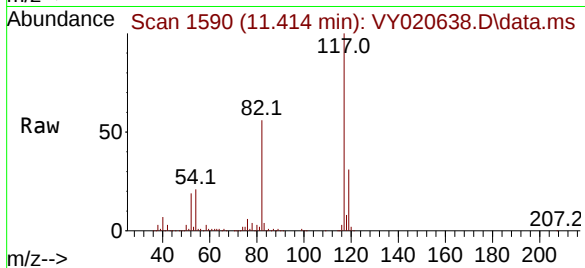
Tgt Ion:117 Resp: 309972

Ion Ratio Lower Upper

117 100

82 56.4 45.8 68.6

119 31.1 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020638.D

Acq: 18 Dec 2024 16:04

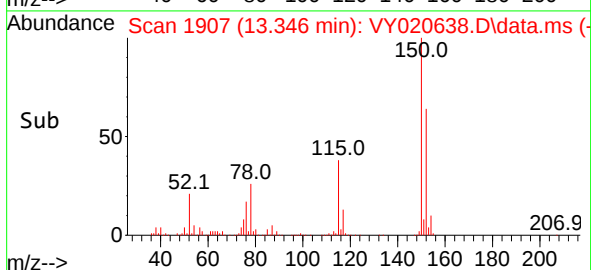
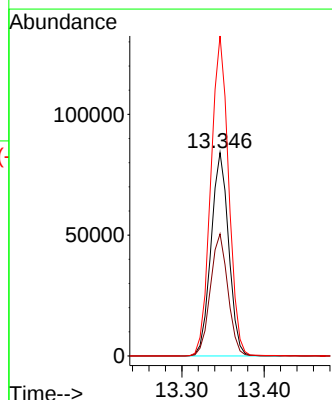
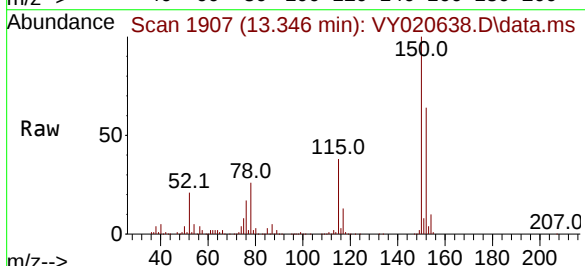
Tgt Ion:152 Resp: 125578

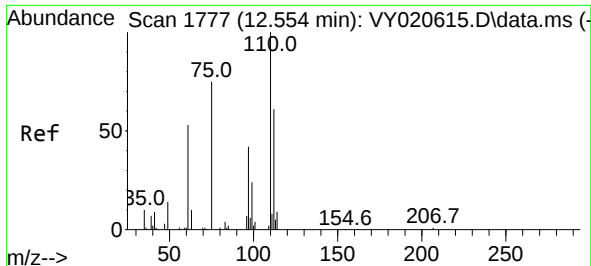
Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

150 158.9 0.0 355.4

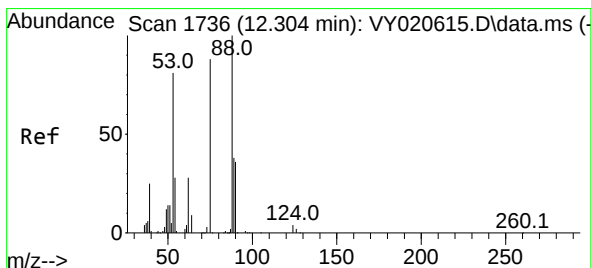
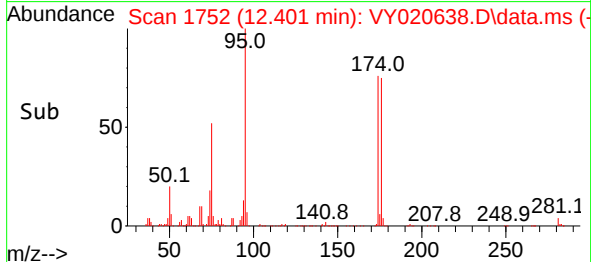
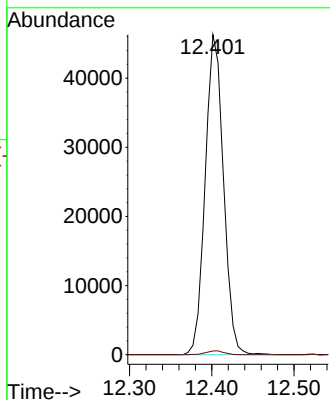
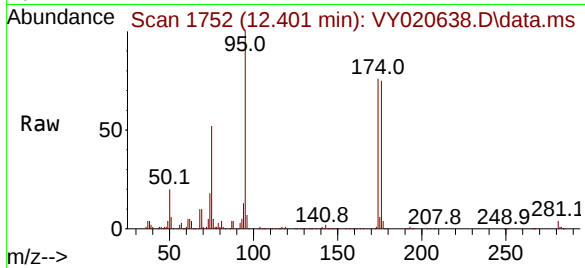




#76
1,2,3-Trichloropropane
Concen: 54.777 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121624

Tgt Ion: 75 Resp: 71457
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.979 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020638.D
Acq: 18 Dec 2024 16:04

Tgt Ion: 75 Resp: 71457
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.1 37.0 55.4#

