

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020632.D
 Acq On : 18 Dec 2024 13:44
 Operator : SY/MD
 Sample : P5287-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 14:22:17 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)

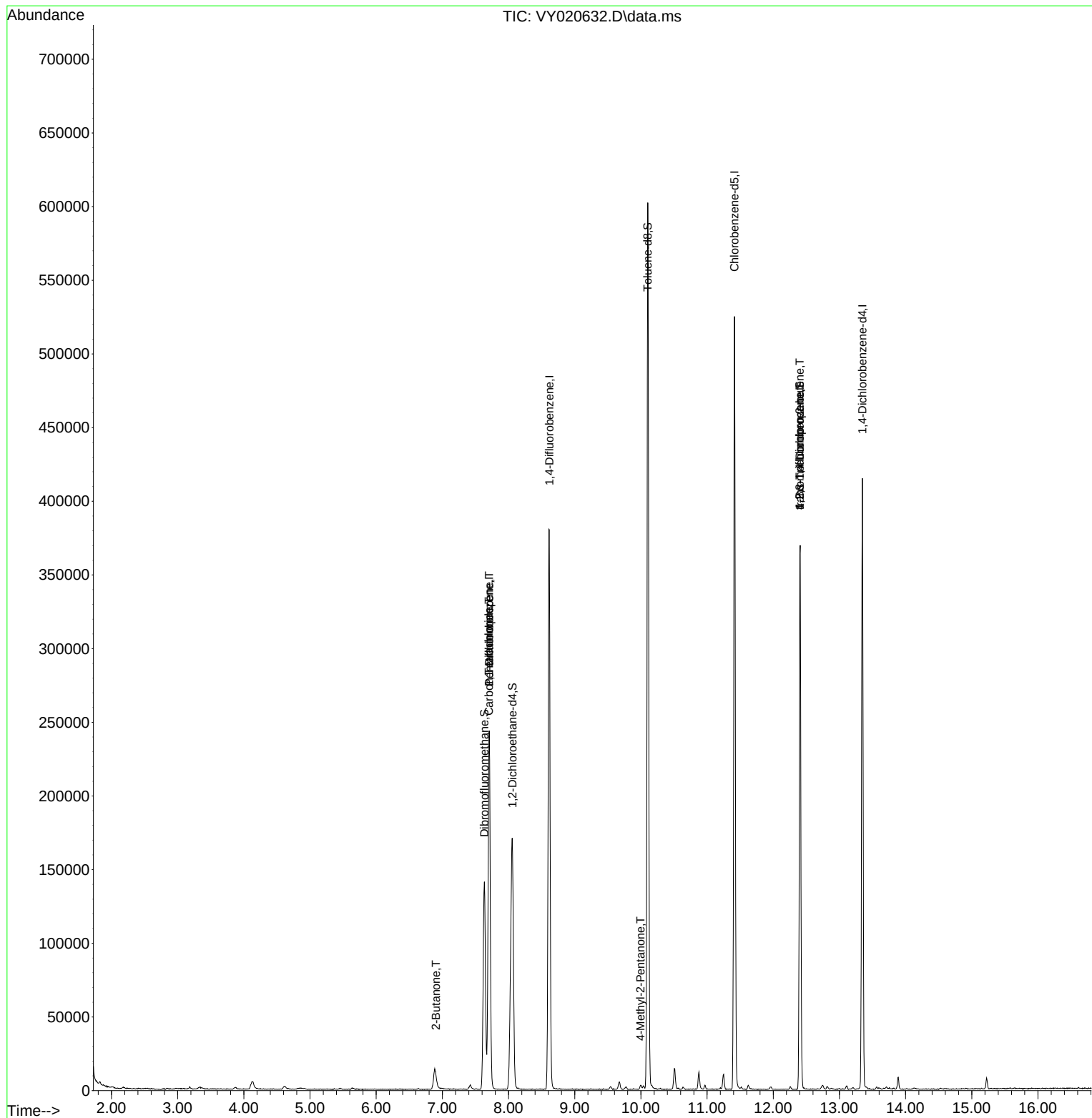
Internal Standards						
1) Pentafluorobenzene	7.707	168	185231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	328091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	269172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	103433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98437	48.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.040%
35) Dibromofluoromethane	7.634	113	101599	43.938	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.880%
50) Toluene-d8	10.103	98	386913	47.806	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.620%
62) 4-Bromofluorobenzene	12.402	95	113961	35.996	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	72.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	1651	Below Cal	#	75
16) Acetone	3.873	43	2194	Below Cal	#	75
25) 2-Butanone	6.903	43	1153	1.529	ug/l #	49
30) Chloroform	7.421	83	2604	Below Cal		97
36) 1,1-Dichloropropene	7.707	75	15523	3.682	ug/l #	50
38) Carbon Tetrachloride	7.701	117	19215	4.119	ug/l #	15
51) 4-Methyl-2-Pentanone	9.994	43	2398	1.210	ug/l #	87
76) 1,2,3-Trichloropropane	12.402	75	60466	56.275	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	60466	118.124	ug/l #	12

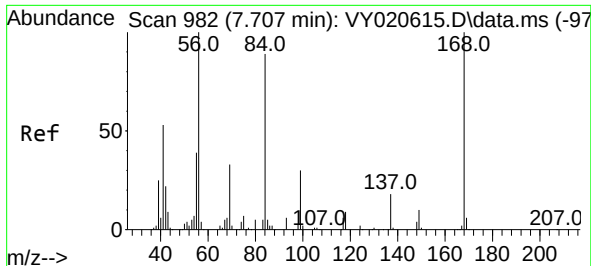
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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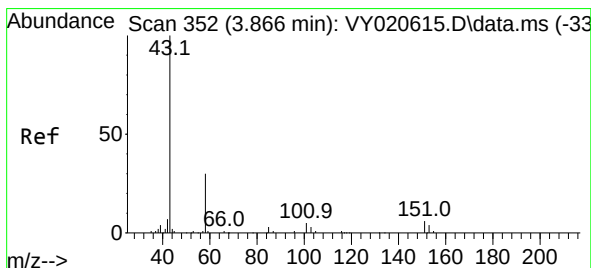
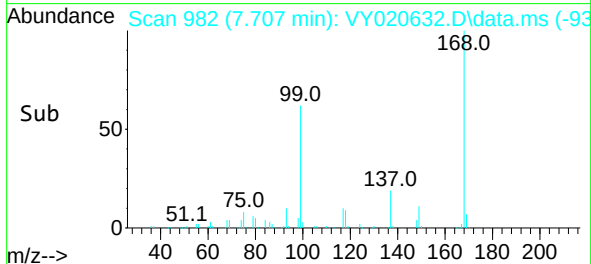
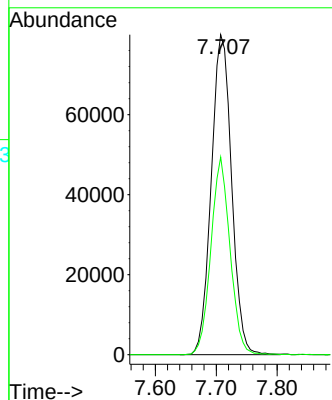
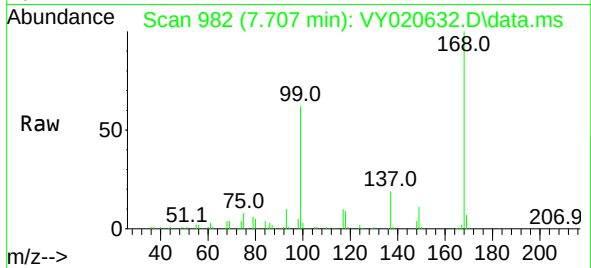




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

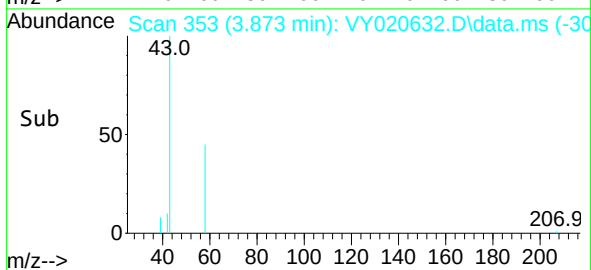
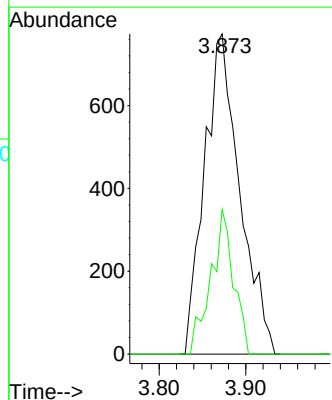
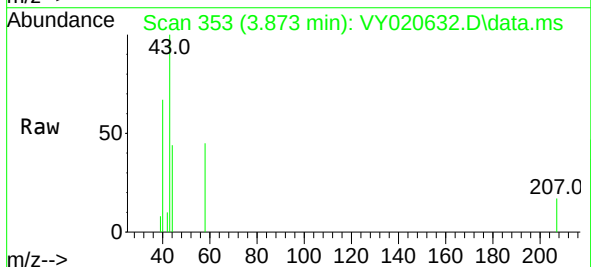
Instrument :
MSVOA_Y
ClientSampleId :

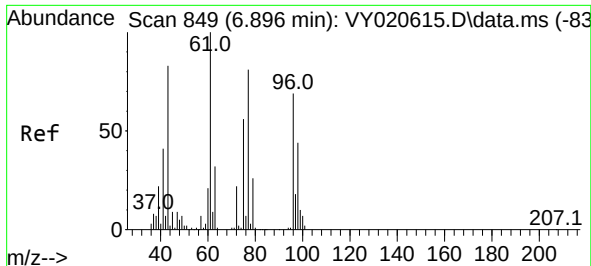
Tgt Ion:168 Resp: 185231
Ion Ratio Lower Upper
168 100
99 61.8 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
58 45.1 25.0 37.6#

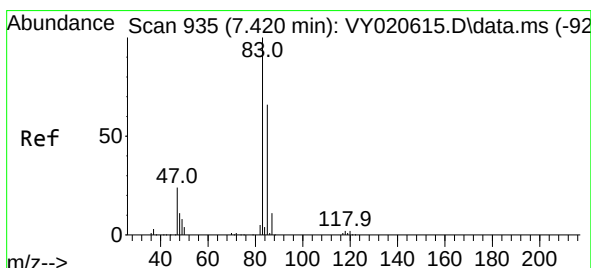
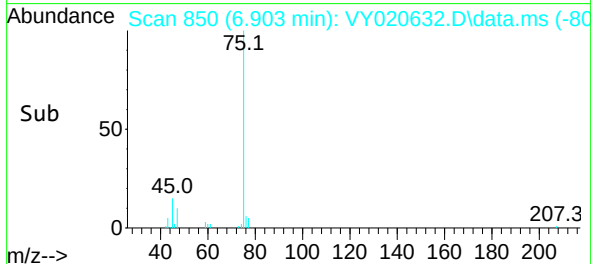
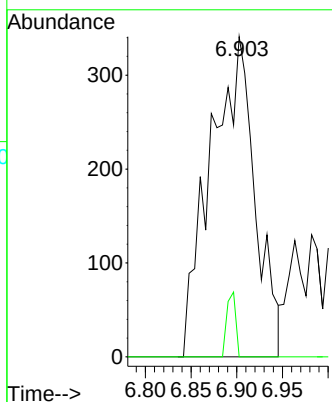
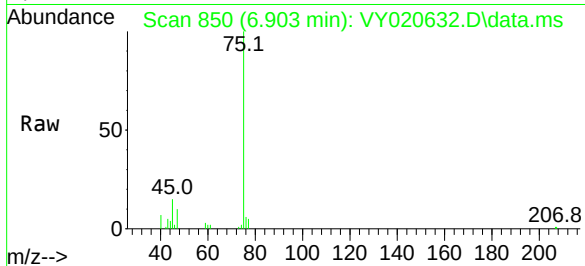




#25
2-Butanone
Concen: 1.529 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

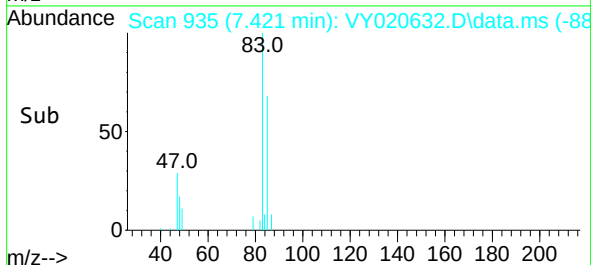
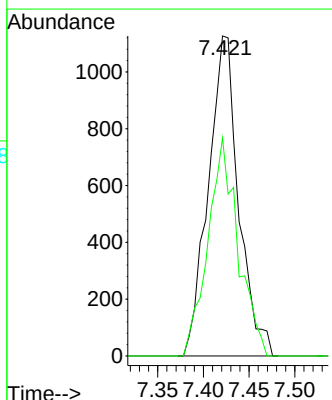
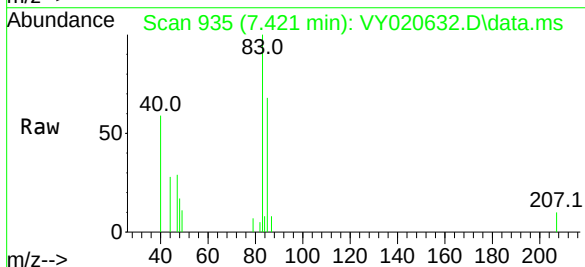
Instrument :
MSVOA_Y
ClientSampleId :

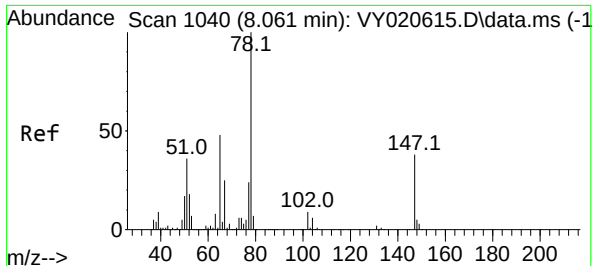
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#30
Chloroform
Concen: Below Cal
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

Tgt Ion: 83 Resp: 2604
Ion Ratio Lower Upper
83 100
85 68.1 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 48.523 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

Instrument :

MSVOA_Y

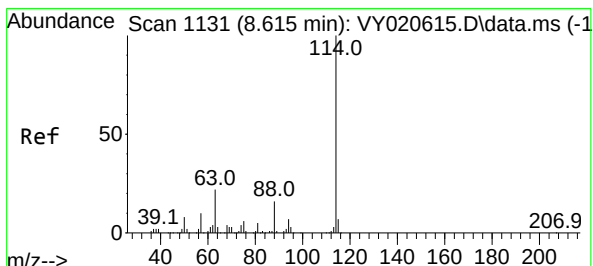
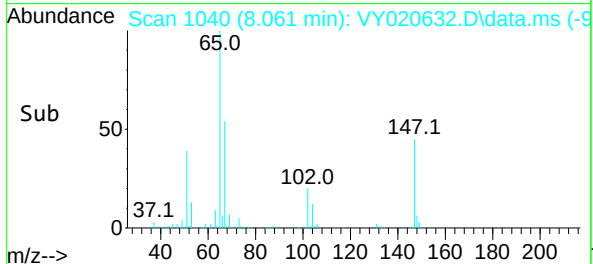
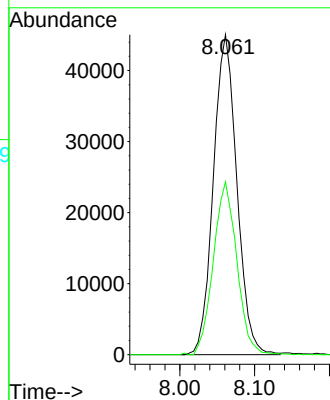
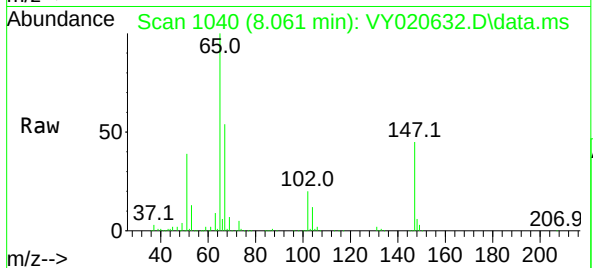
ClientSampleId :

Tgt Ion: 65 Resp: 98437

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

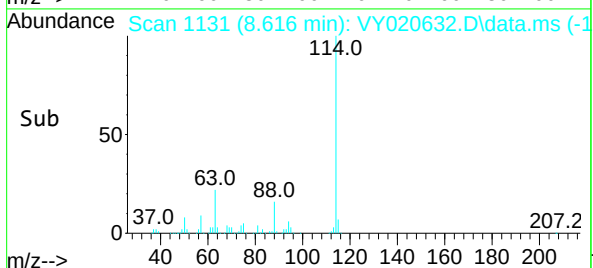
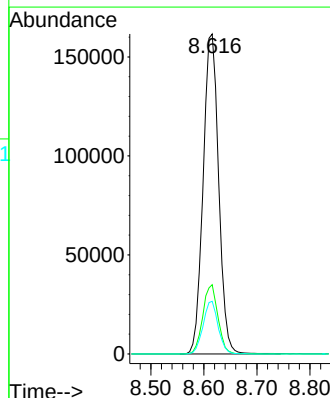
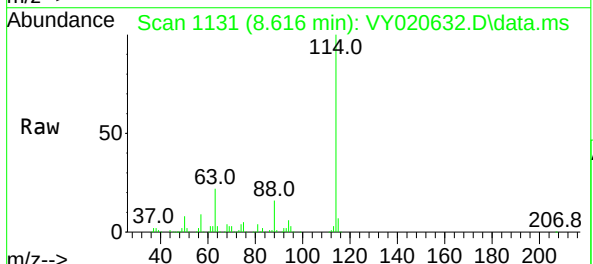
Tgt Ion: 114 Resp: 328091

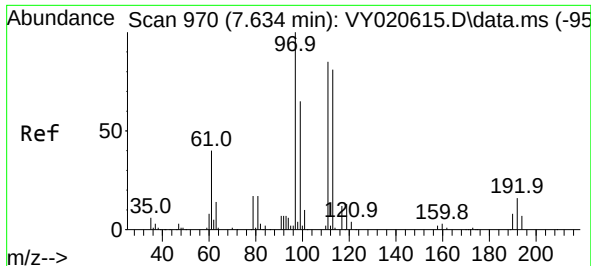
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

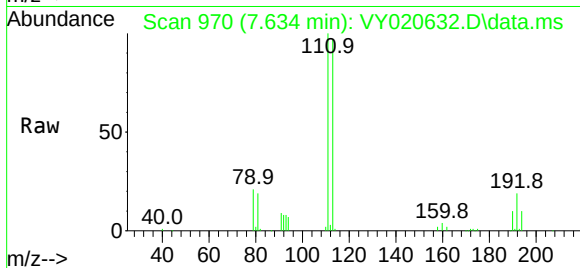
88 16.5 0.0 32.8



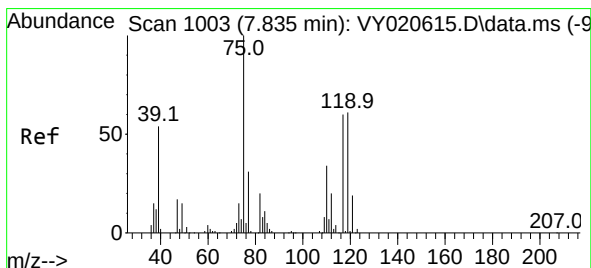
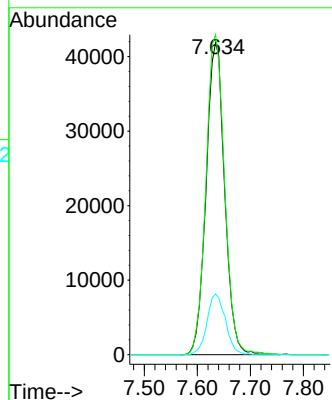
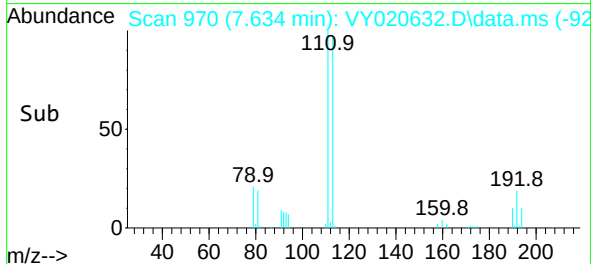


#35
Dibromofluoromethane
Concen: 43.938 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

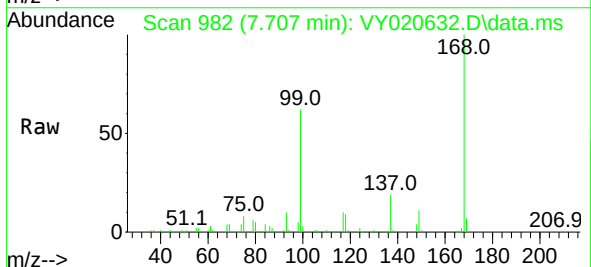
Instrument :
MSVOA_Y
ClientSampleId :



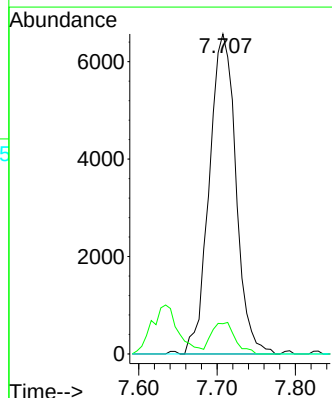
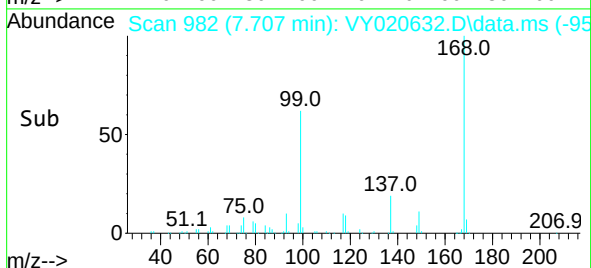
Tgt Ion:113 Resp: 101599
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 19.4 15.7 23.5

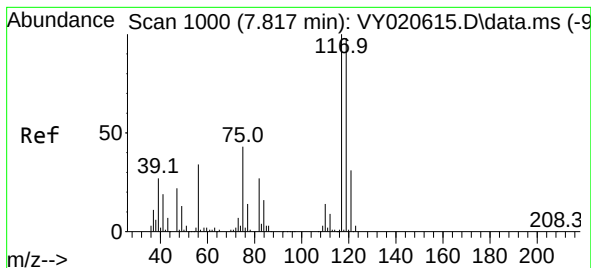


#36
1,1-Dichloropropene
Concen: 3.682 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44



Tgt Ion: 75 Resp: 15523
Ion Ratio Lower Upper
75 100
110 8.7 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 4.119 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.115 min

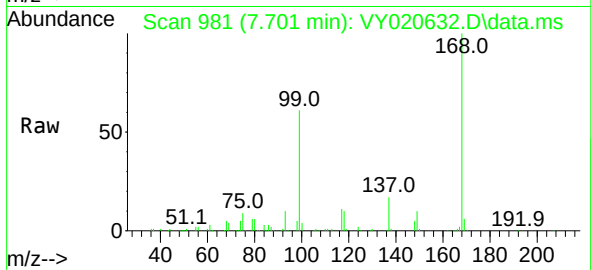
Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :



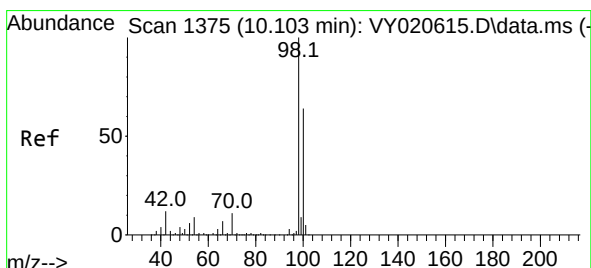
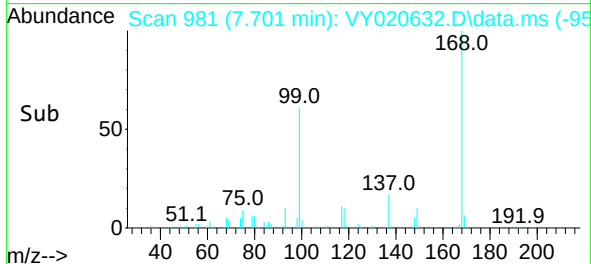
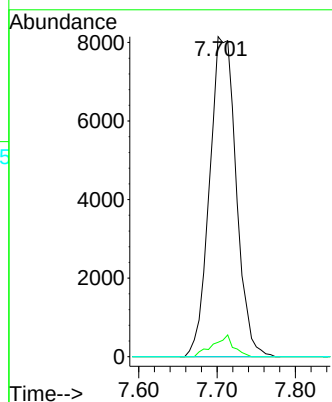
Tgt Ion:117 Resp: 19215

Ion Ratio Lower Upper

117 100

119 4.5 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 47.806 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020632.D

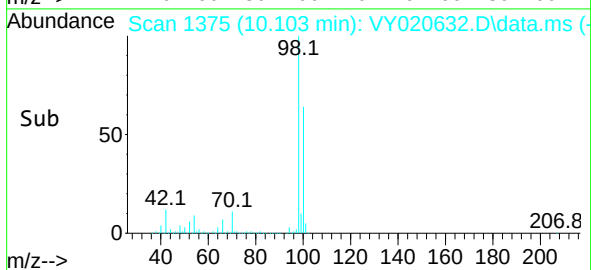
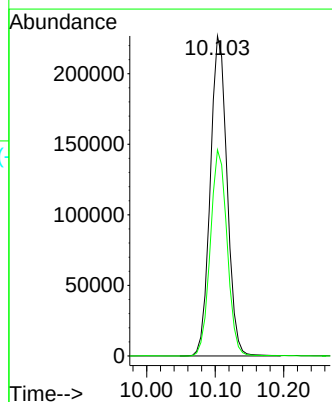
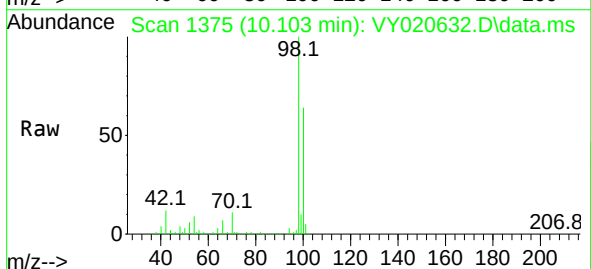
Acq: 18 Dec 2024 13:44

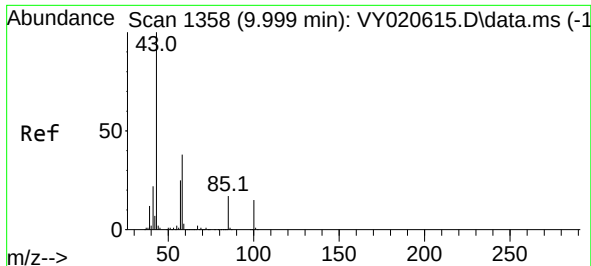
Tgt Ion: 98 Resp: 386913

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.210 ug/l

RT: 9.994 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

Instrument :

MSVOA_Y

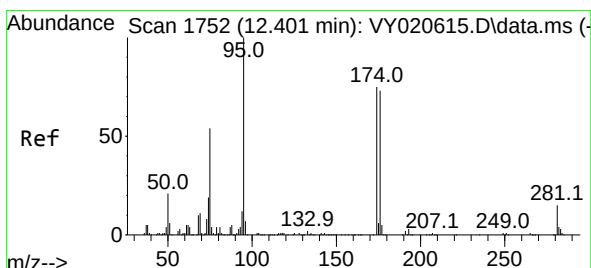
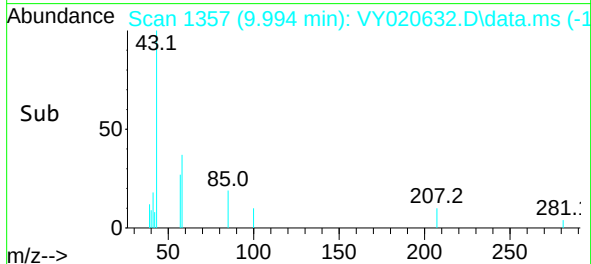
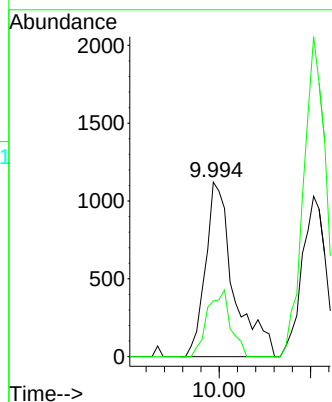
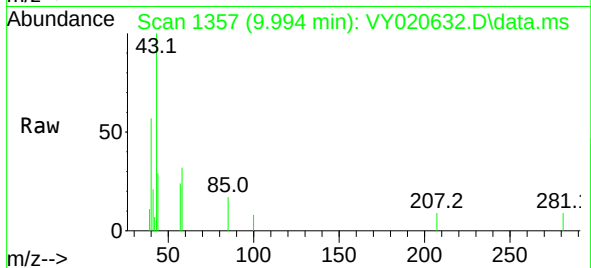
ClientSampleId :

Tgt Ion: 43 Resp: 2398

Ion Ratio Lower Upper

43 100

58 31.2 31.4 47.2#



#62

4-Bromofluorobenzene

Concen: 35.996 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

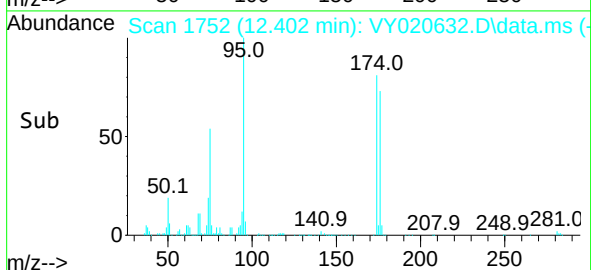
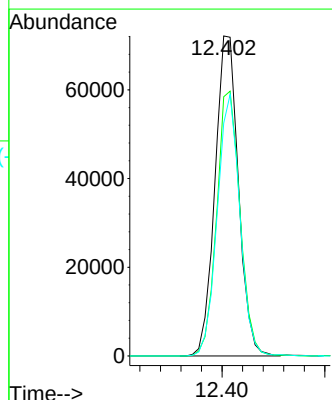
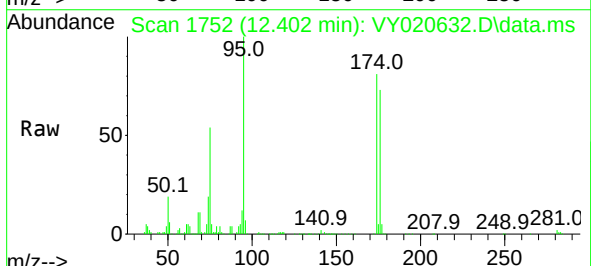
Tgt Ion: 95 Resp: 113961

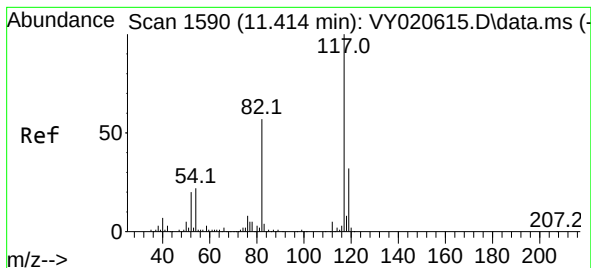
Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.8

176 78.8 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

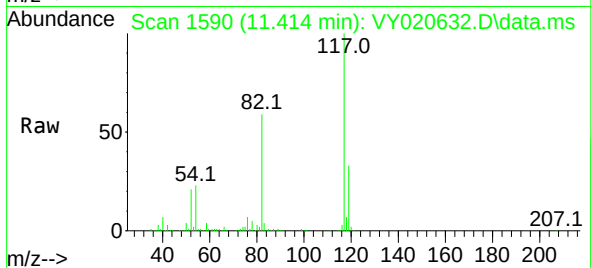
Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :



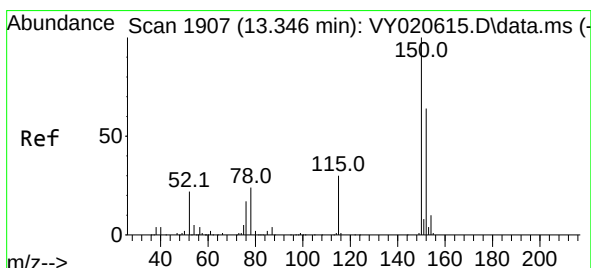
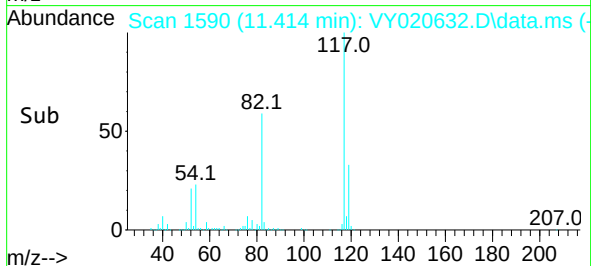
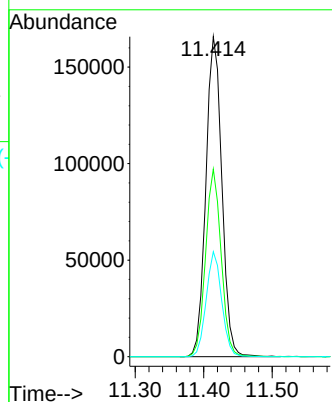
Tgt Ion:117 Resp: 269172

Ion Ratio Lower Upper

117 100

82 58.6 45.8 68.6

119 32.8 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020632.D

Acq: 18 Dec 2024 13:44

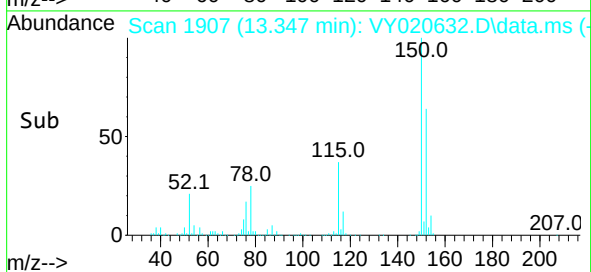
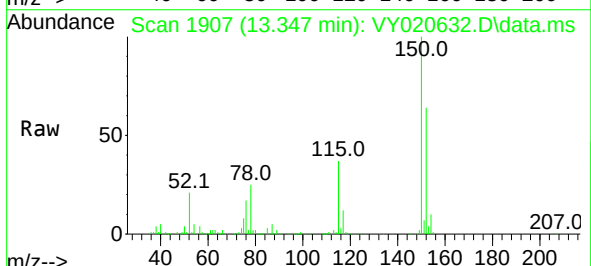
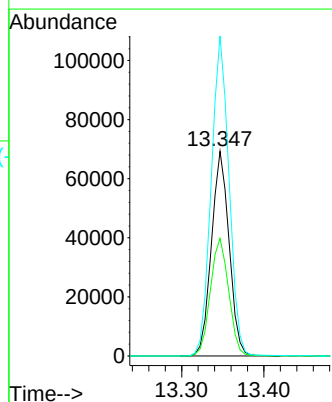
Tgt Ion:152 Resp: 103433

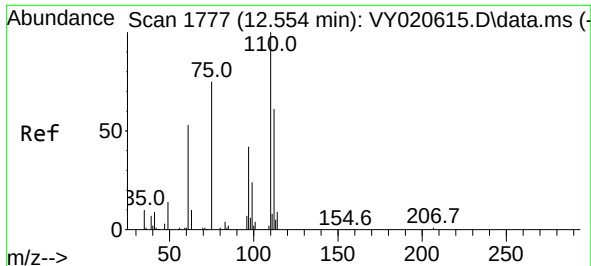
Ion Ratio Lower Upper

152 100

115 59.2 30.2 90.6

150 157.1 0.0 355.4

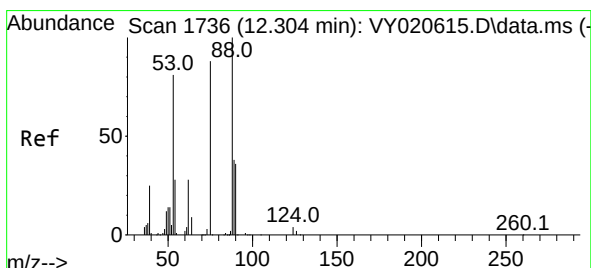
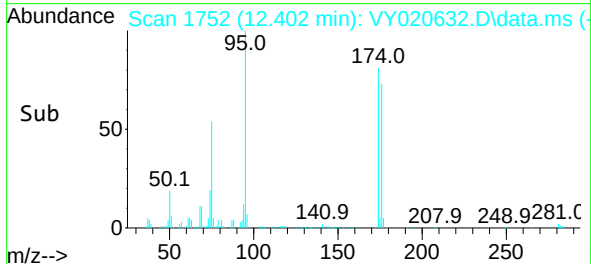
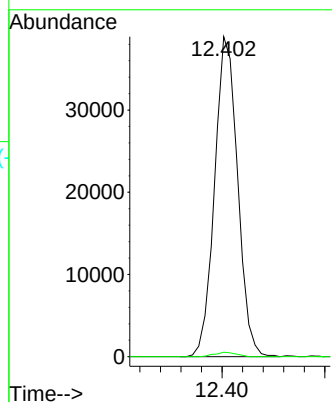
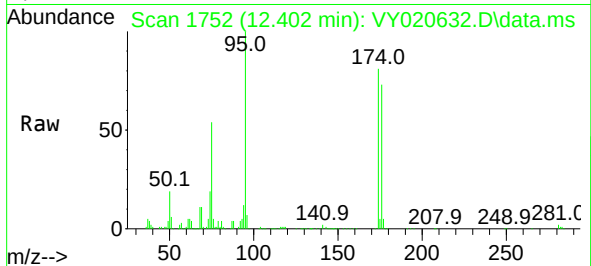




#76
1,2,3-Trichloropropane
Concen: 56.275 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 60466
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.124 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020632.D
Acq: 18 Dec 2024 13:44

Tgt Ion: 75 Resp: 60466
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.1 37.0 55.4#

