

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
 Data File : VY019659.D
 Acq On : 23 Sep 2024 11:11
 Operator : SY/MD
 Sample : VY0923SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 24 01:43:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

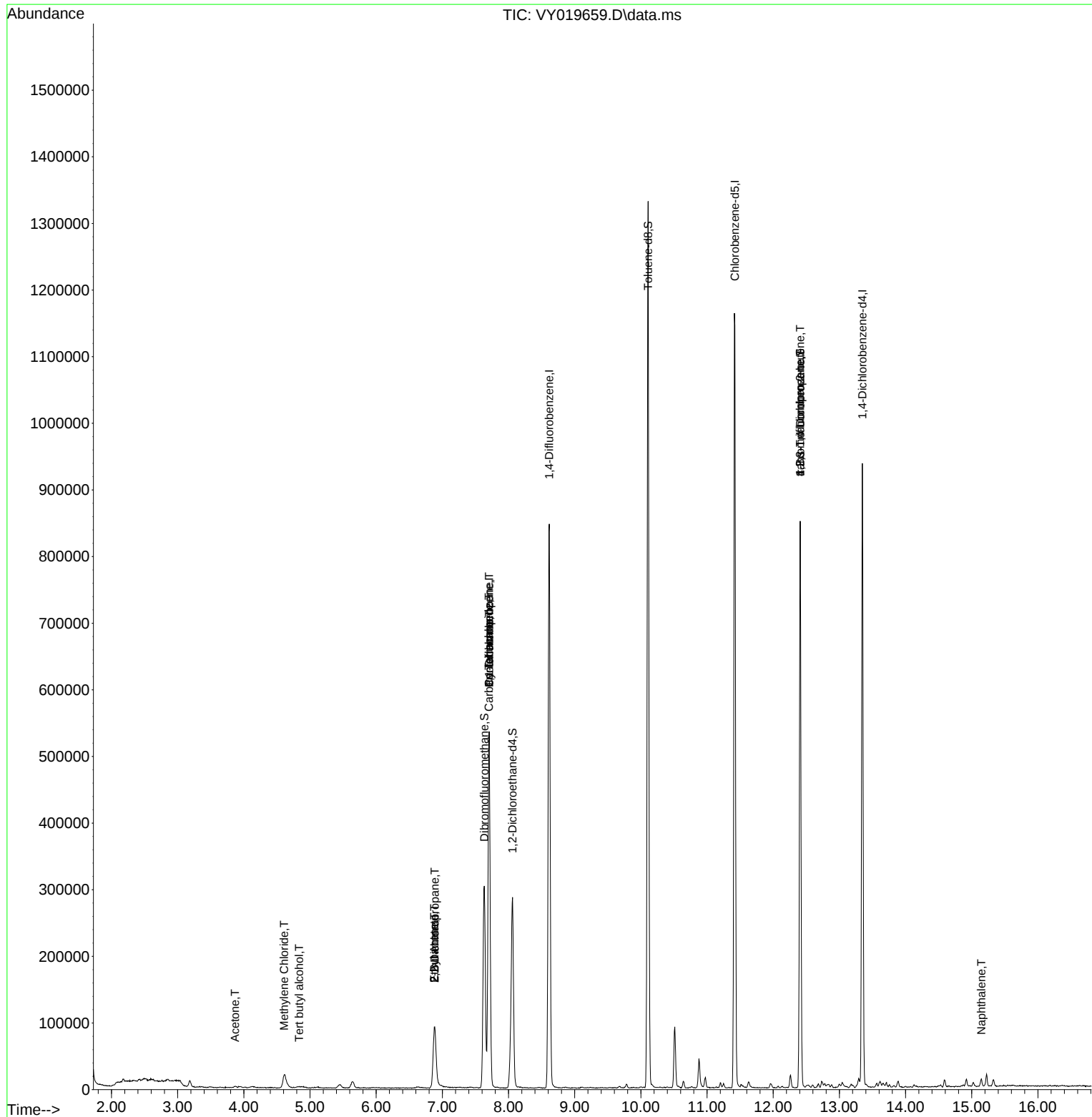
Internal Standards						
1) Pentafluorobenzene	7.707	168	397003	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	735237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	629299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	226980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199522	54.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.540%	
35) Dibromofluoromethane	7.634	113	223552	53.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.109	98	853808	55.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.740%	
62) 4-Bromofluorobenzene	12.408	95	266851	45.010	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 90.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	190	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	2752	9.270	ug/l	# 93
13) Acrolein	3.641	56	167	Below Cal		86
16) Acetone	3.867	43	3018	3.446	ug/l	95
20) Methylene Chloride	4.610	84	13984	3.501	ug/l	# 96
25) 2-Butanone	6.878	43	6054	4.860	ug/l	# 61
26) 2,2-Dichloropropane	6.884	77	7491	1.141	ug/l	# 51
31) Cyclohexane	7.707	56	9516	1.446	ug/l	# 29
36) 1,1-Dichloropropene	7.707	75	33151	5.844	ug/l	# 49
37) Ethyl Acetate	6.878	43	6054	2.083	ug/l	# 1
38) Carbon Tetrachloride	7.701	117	41434	6.477	ug/l	# 17
76) 1,2,3-Trichloropropane	12.408	75	138243	64.980	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	138243	124.743	ug/l	# 16
95) Naphthalene	15.145	128	8308	1.077	ug/l	97

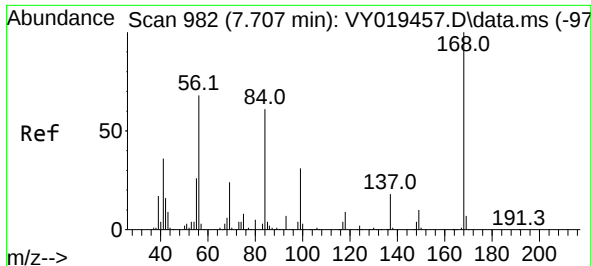
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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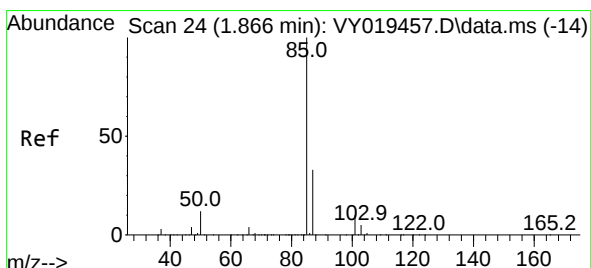
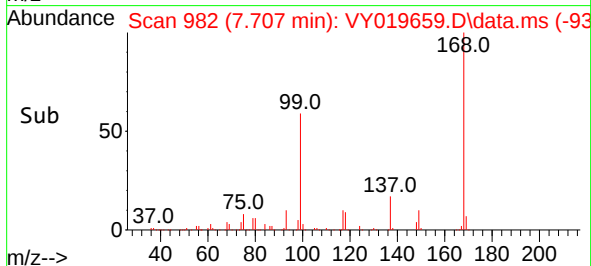
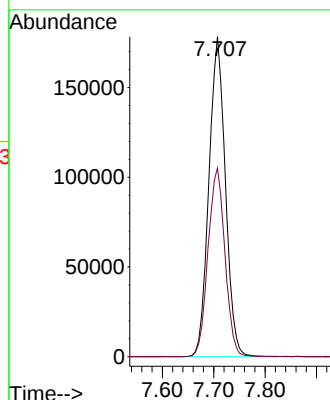
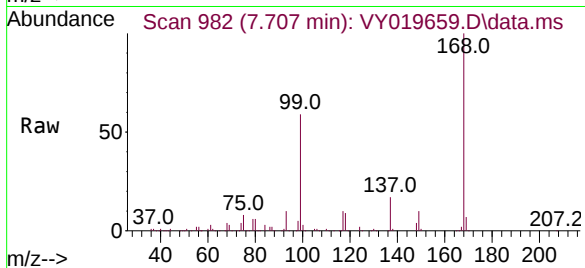




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

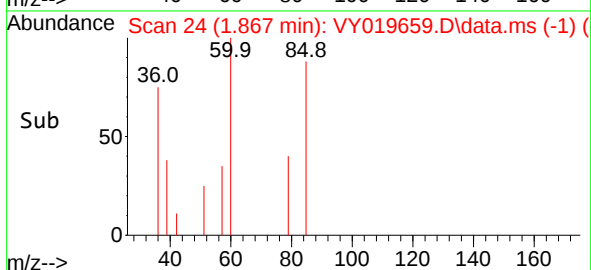
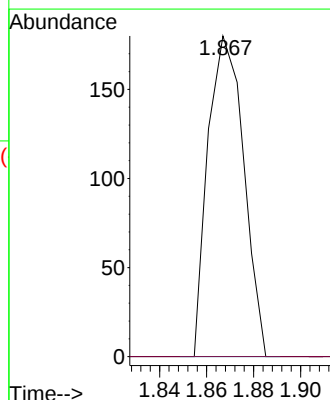
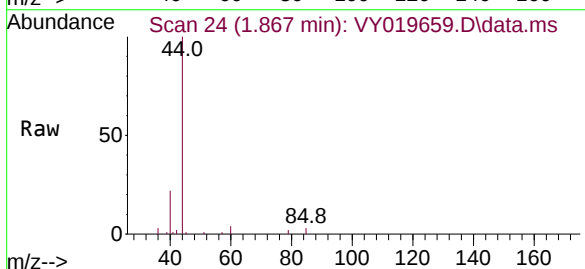
Instrument :
MSVOA_Y
ClientSampleId :

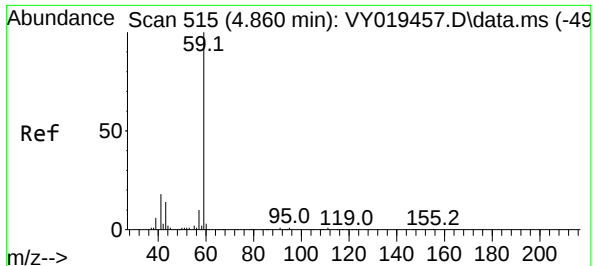
Tgt Ion:168 Resp: 397003
Ion Ratio Lower Upper
168 100
99 59.0 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

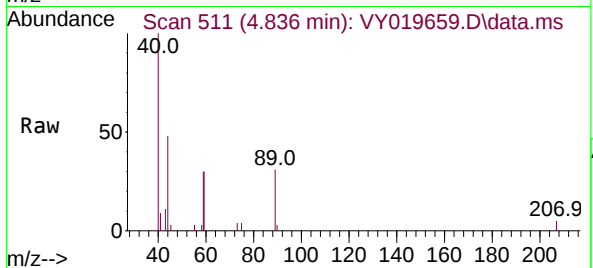
Tgt Ion: 85 Resp: 190
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



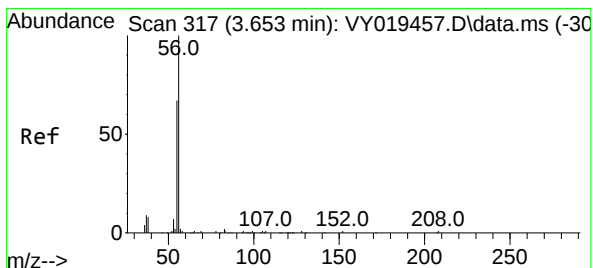
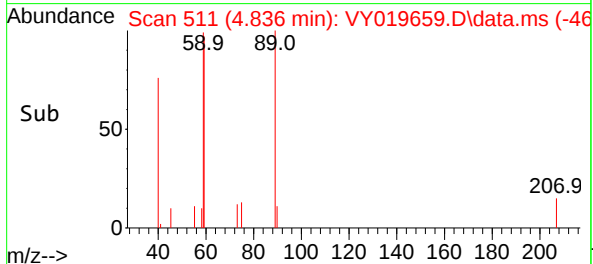
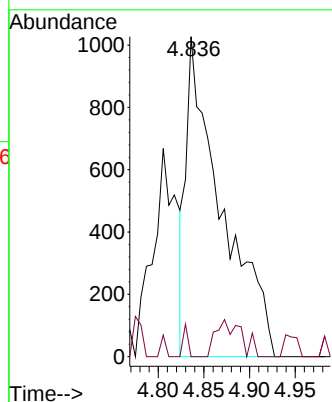


#11
Tert butyl alcohol
Concen: 9.270 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :

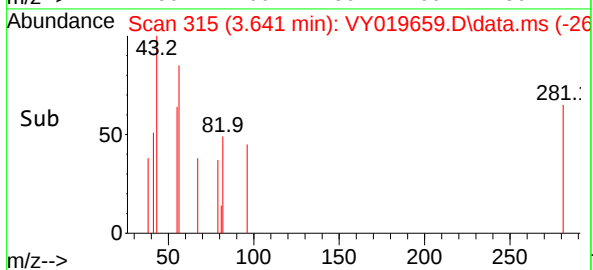
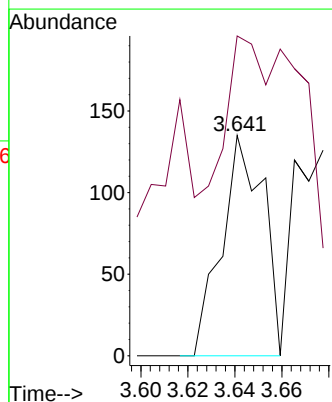
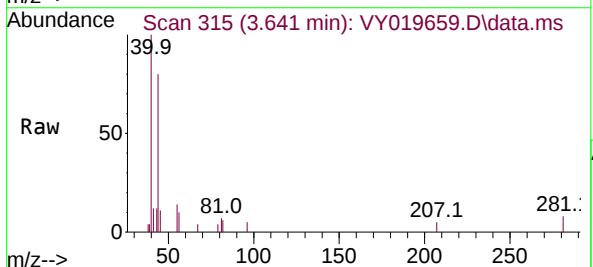


Tgt Ion: 59 Resp: 2752
Ion Ratio Lower Upper
59 100
57 1.4 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.641 min Scan# 315
Delta R.T. -0.012 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 58.1 55.7 83.5

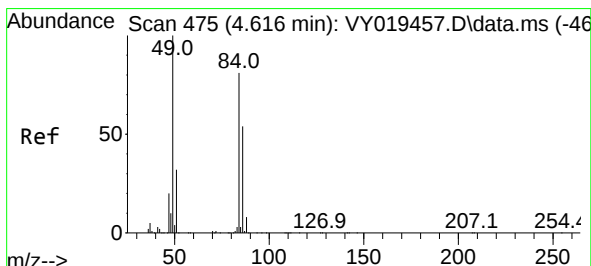
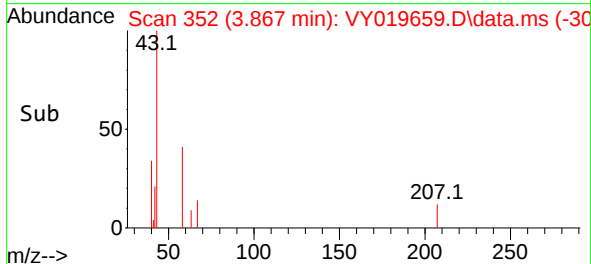
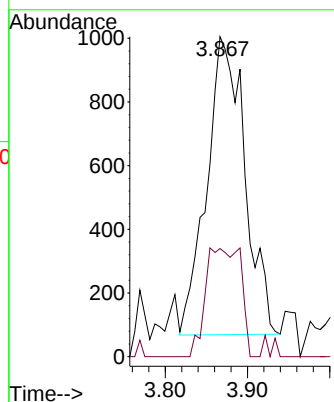
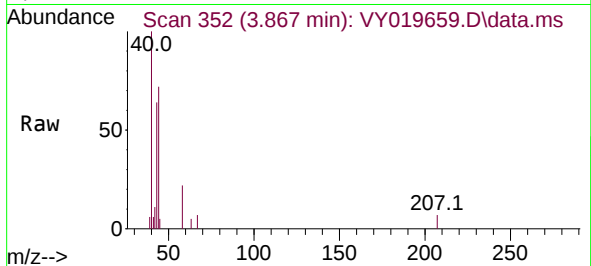




#16
Acetone
Concen: 3.446 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

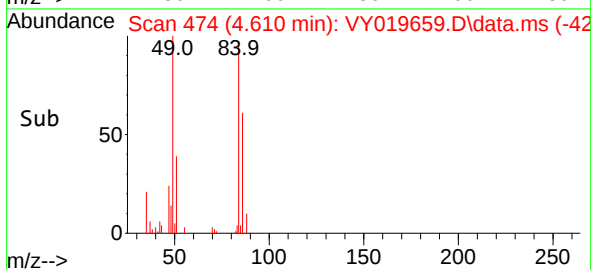
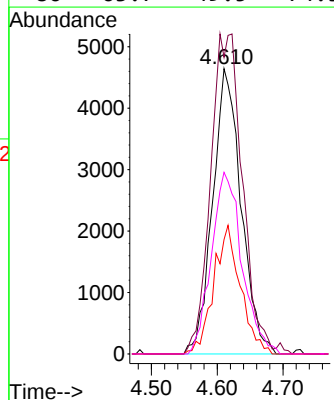
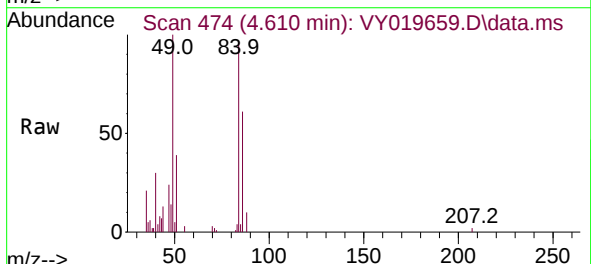
Instrument :
MSVOA_Y
ClientSampleId :

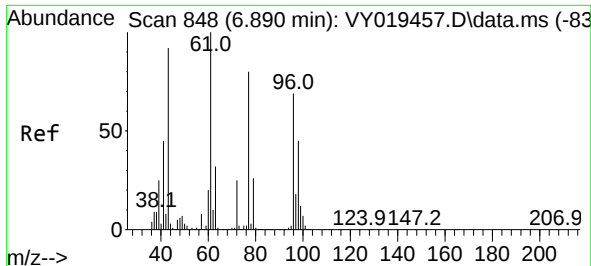
Tgt Ion: 43 Resp: 3018
Ion Ratio Lower Upper
43 100
58 36.4 31.7 47.5



#20
Methylene Chloride
Concen: 3.501 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Tgt Ion: 84 Resp: 13984
Ion Ratio Lower Upper
84 100
49 104.0 84.4 126.6
51 40.1 26.0 39.0#
86 63.7 49.5 74.3





#25

2-Butanone

Concen: 4.860 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY019659.D

Acq: 23 Sep 2024 11:11

Instrument :

MSVOA_Y

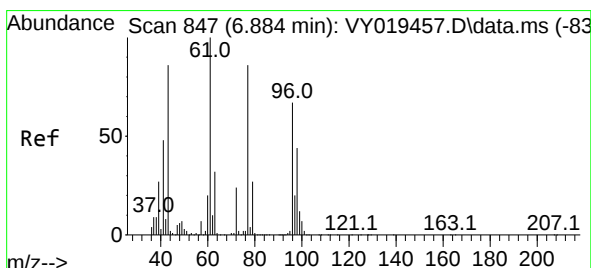
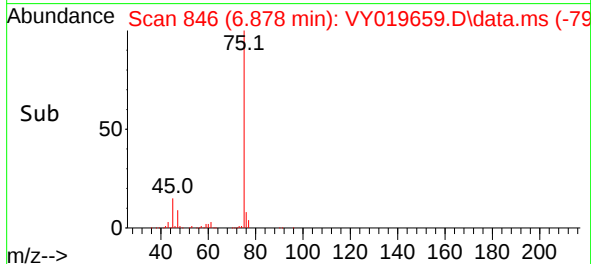
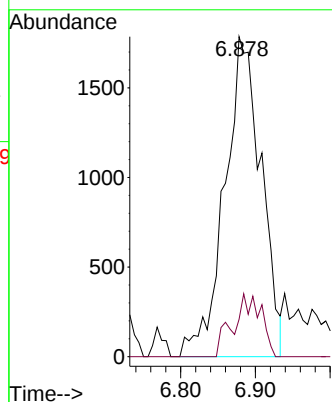
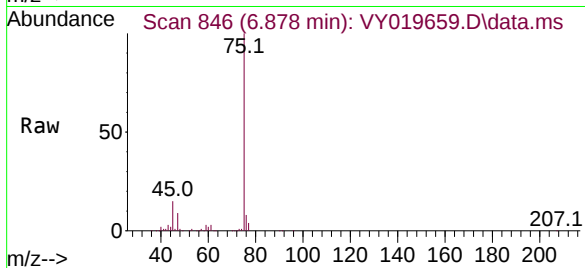
ClientSampleId :

Tgt Ion: 43 Resp: 6054

Ion Ratio Lower Upper

43 100

72 11.7 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.141 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019659.D

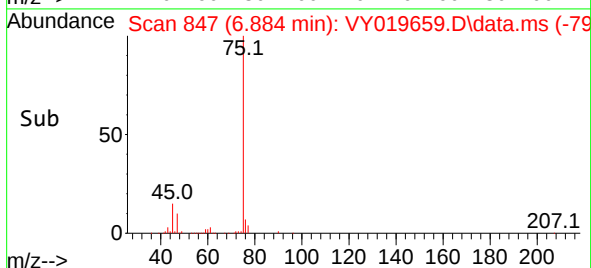
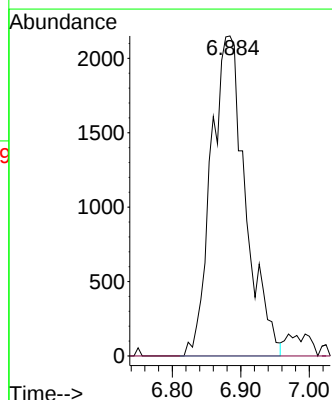
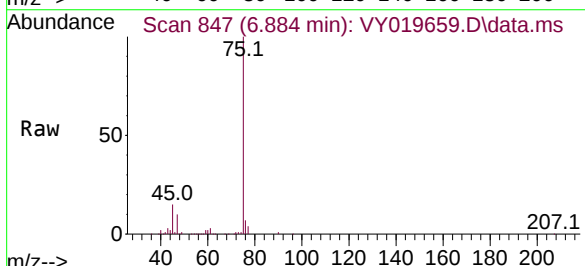
Acq: 23 Sep 2024 11:11

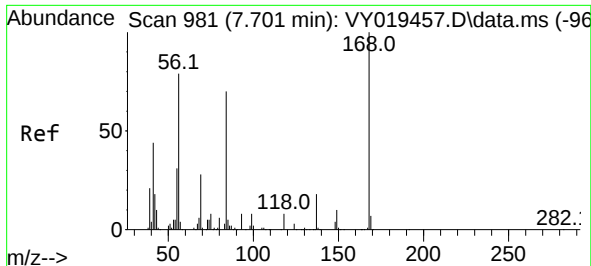
Tgt Ion: 77 Resp: 7491

Ion Ratio Lower Upper

77 100

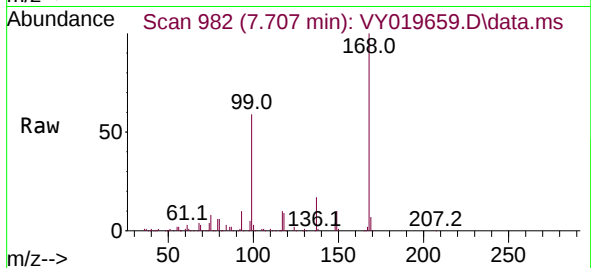
97 0.0 12.0 36.1#



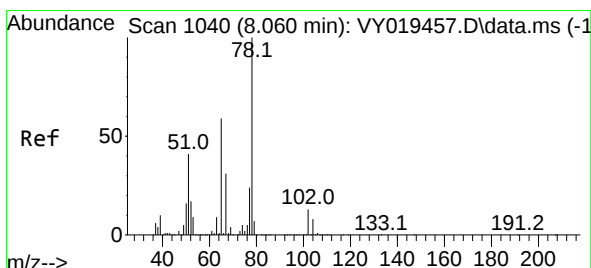
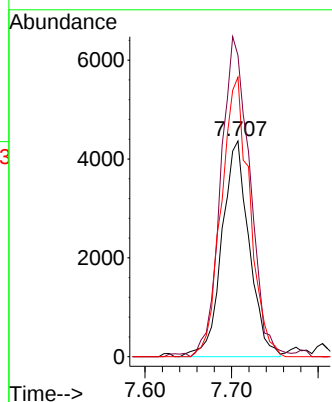
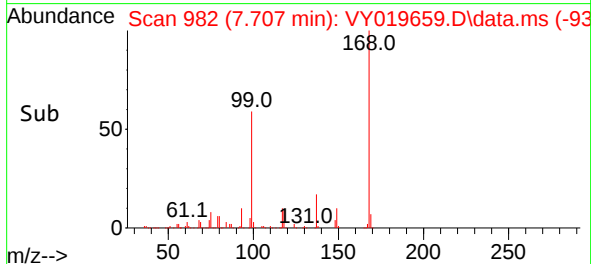


#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.007 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

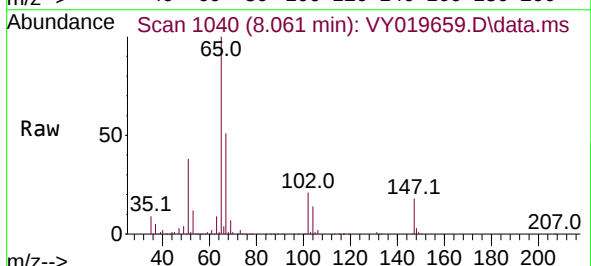
Instrument :
MSVOA_Y
ClientSampleId :



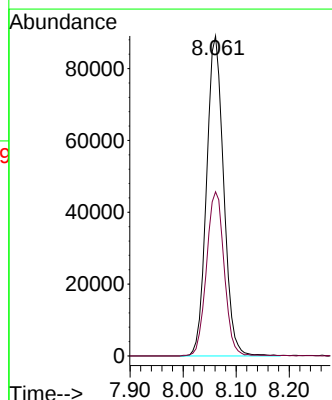
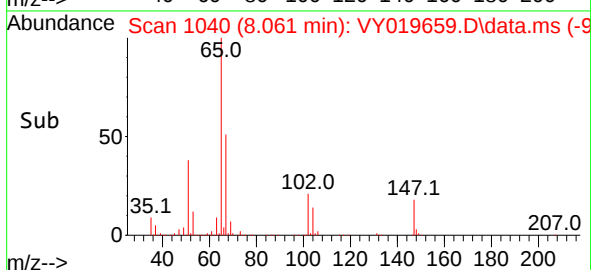
Tgt Ion: 56 Resp: 9516
Ion Ratio Lower Upper
56 100
69 138.5 28.7 43.1#
84 129.6 77.7 116.5#

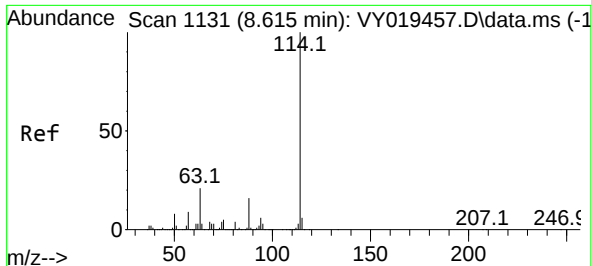


#33
1,2-Dichloroethane-d4
Concen: 54.275 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11



Tgt Ion: 65 Resp: 199522
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.6

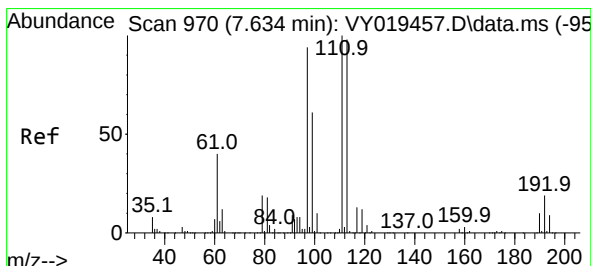
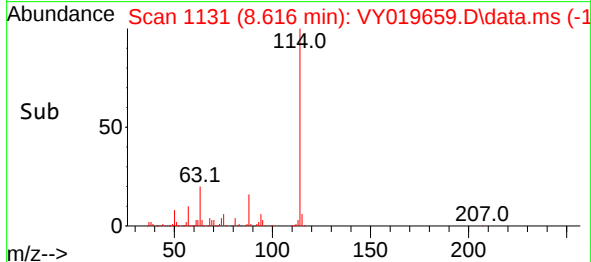
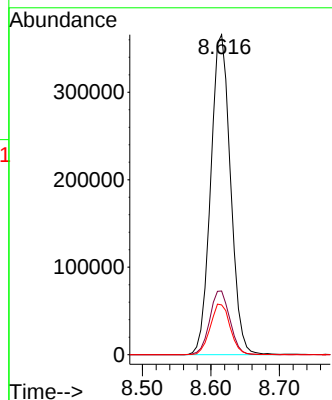
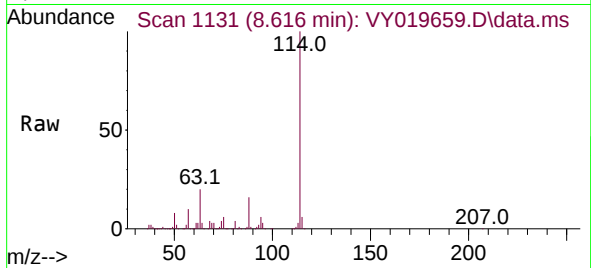




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

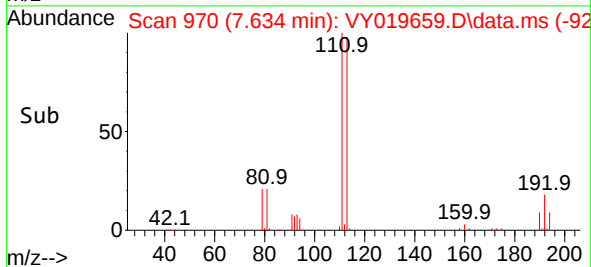
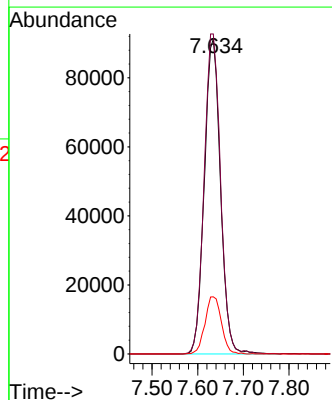
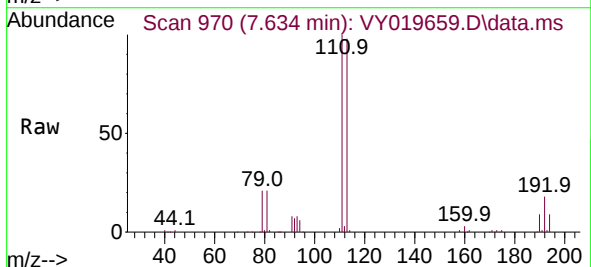
Instrument :
MSVOA_Y
ClientSampleId :

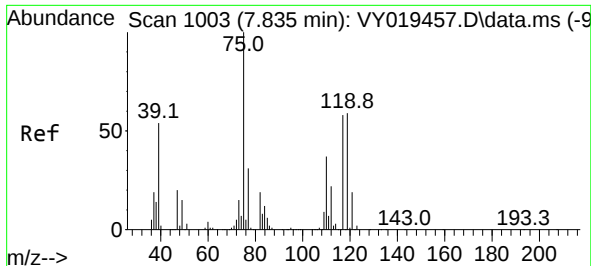
Tgt Ion:114 Resp: 735237
Ion Ratio Lower Upper
114 100
63 19.9 0.0 35.0
88 15.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.627 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Tgt Ion:113 Resp: 223552
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 18.5 15.9 23.9

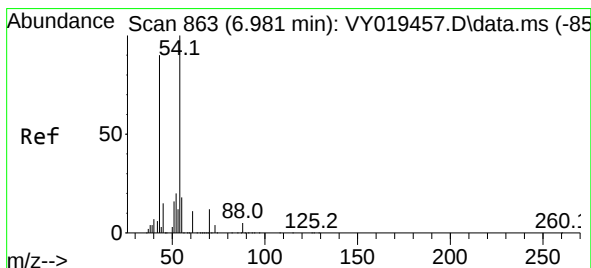
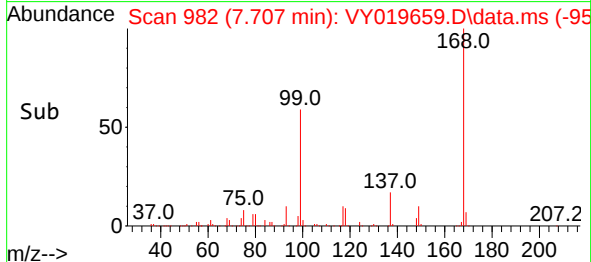
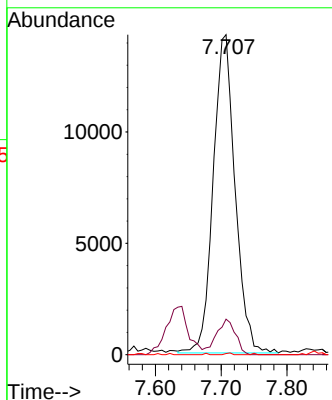
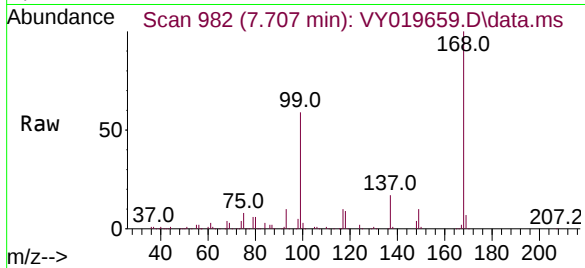




#36
1,1-Dichloropropene
Concen: 5.844 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

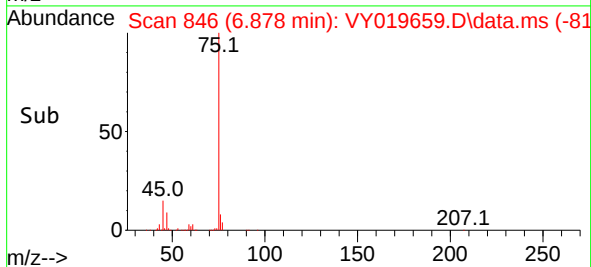
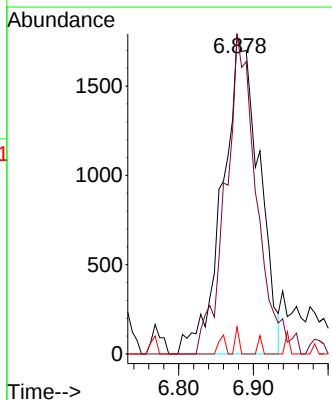
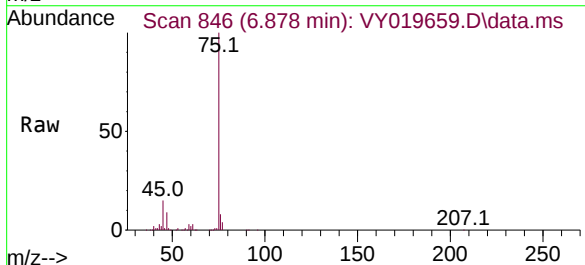
Instrument :
MSVOA_Y
ClientSampleId :

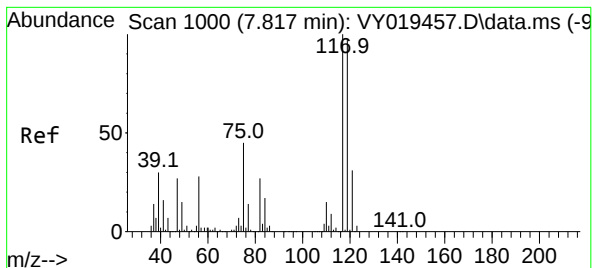
Tgt Ion: 75 Resp: 33151
Ion Ratio Lower Upper
75 100
110 9.8 19.0 57.0#
77 0.1 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.083 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.103 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Tgt Ion: 43 Resp: 6054
Ion Ratio Lower Upper
43 100
61 85.2 12.6 19.0#
70 0.9 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 6.477 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY019659.D

Acq: 23 Sep 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

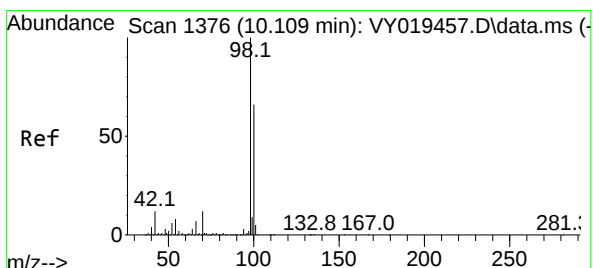
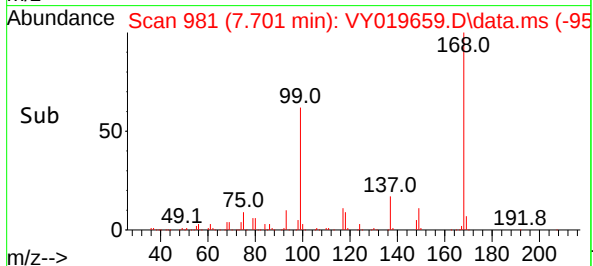
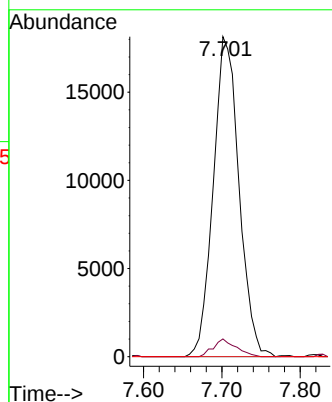
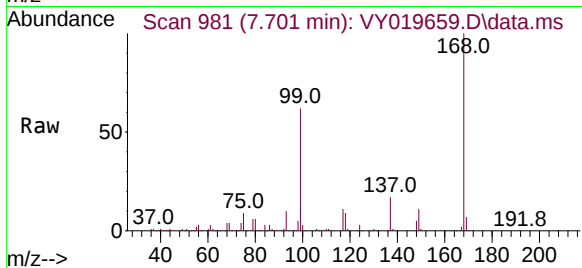
Tgt Ion:117 Resp: 41434

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 55.374 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019659.D

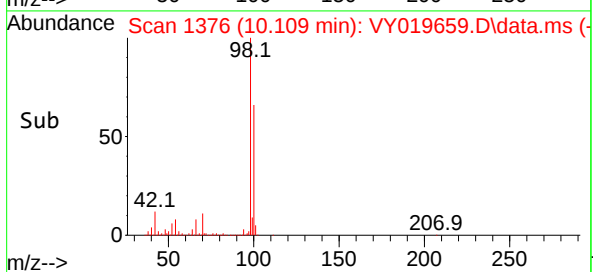
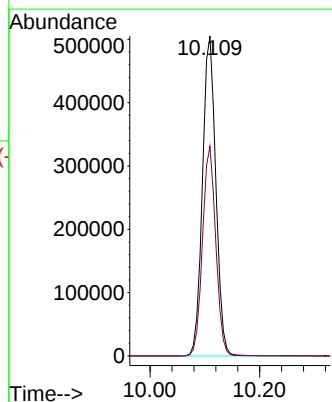
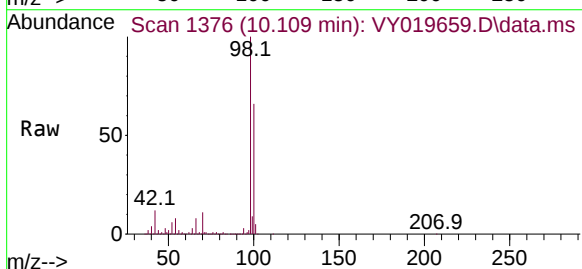
Acq: 23 Sep 2024 11:11

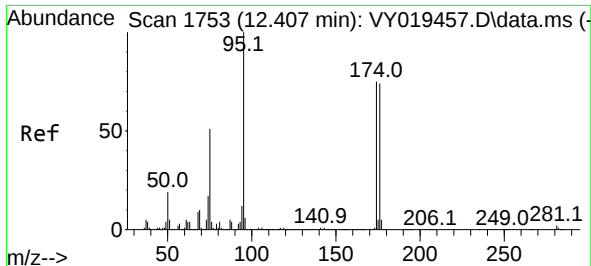
Tgt Ion: 98 Resp: 853808

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 45.010 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019659.D

Acq: 23 Sep 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

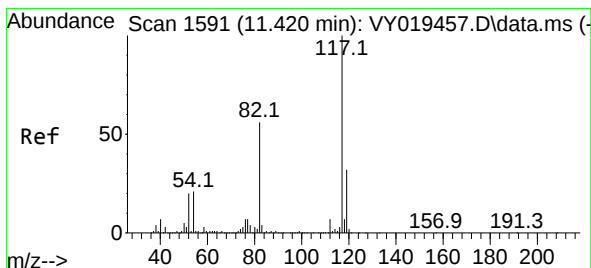
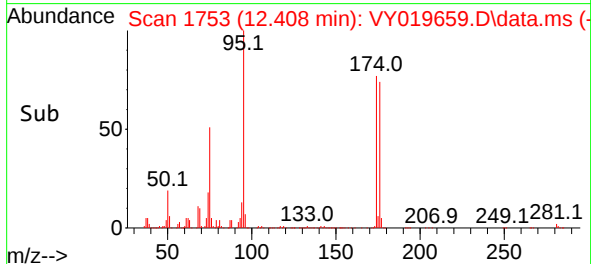
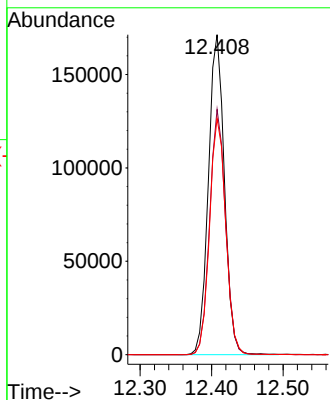
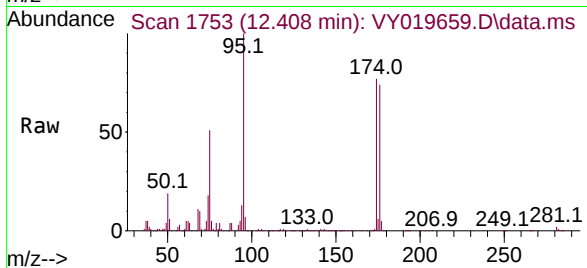
Tgt Ion: 95 Resp: 266851

Ion Ratio Lower Upper

95 100

174 75.8 0.0 175.6

176 74.4 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY019659.D

Acq: 23 Sep 2024 11:11

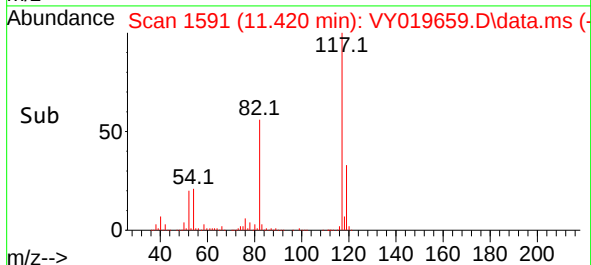
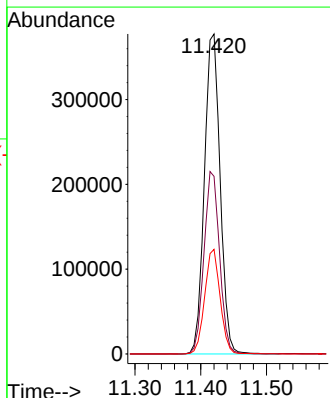
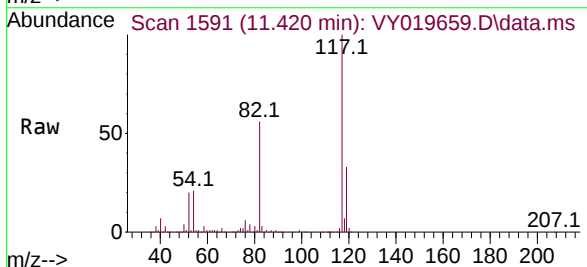
Tgt Ion: 117 Resp: 629299

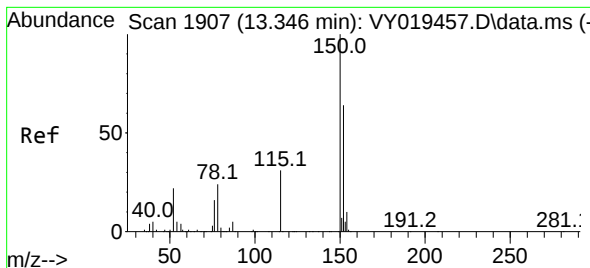
Ion Ratio Lower Upper

117 100

82 55.5 42.4 63.6

119 32.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019659.D

Acq: 23 Sep 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

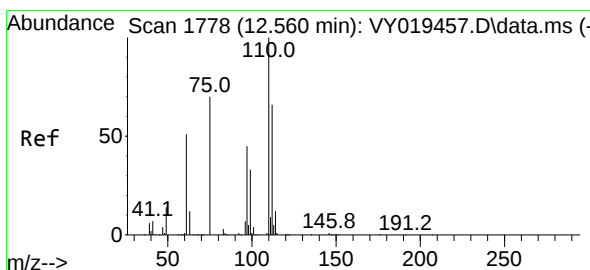
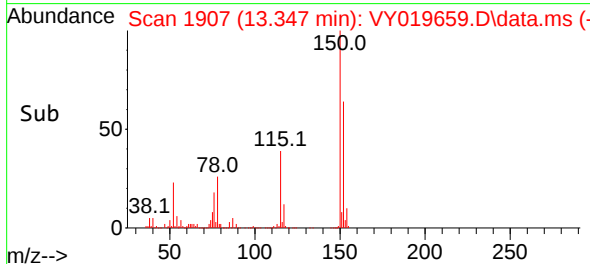
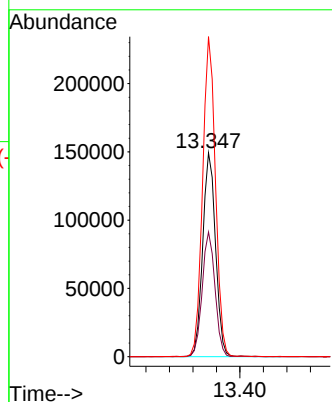
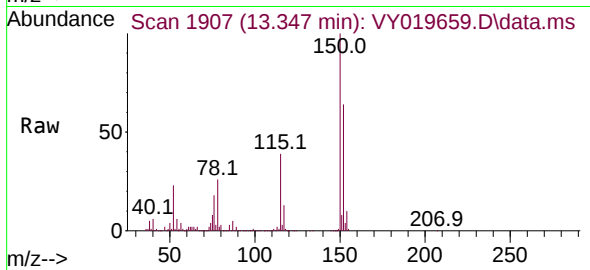
Tgt Ion:152 Resp: 226980

Ion Ratio Lower Upper

152 100

115 61.0 28.2 84.7

150 156.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 64.980 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019659.D

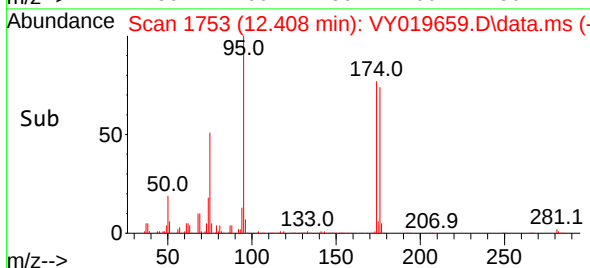
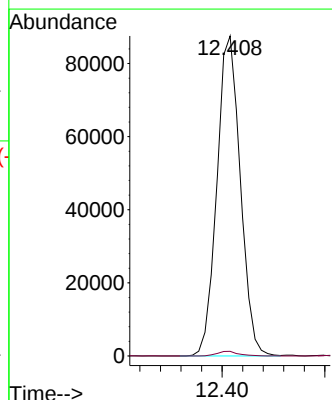
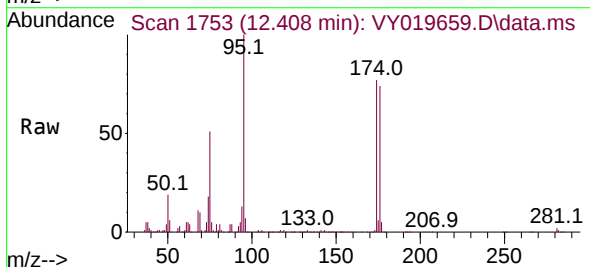
Acq: 23 Sep 2024 11:11

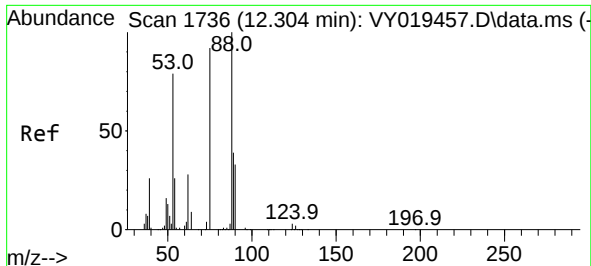
Tgt Ion: 75 Resp: 138243

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

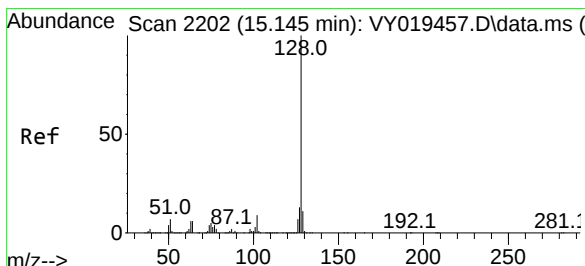
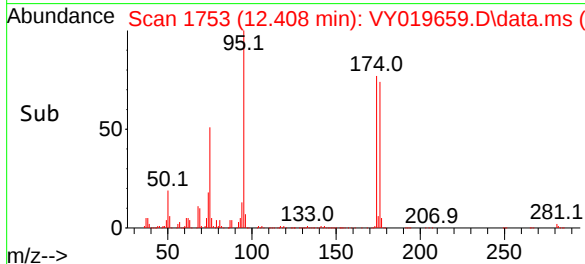
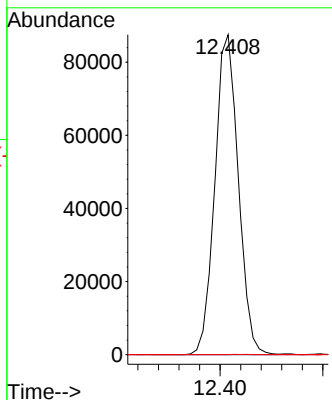
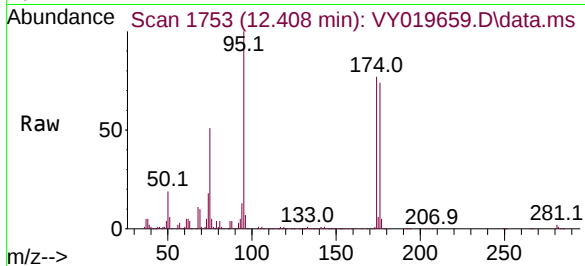




#81
trans-1,4-Dichloro-2-butene
Concen: 124.743 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 138243
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 1.077 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY019659.D
Acq: 23 Sep 2024 11:11

Tgt Ion: 128 Resp: 8308
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 12.7 8.6 13.0

