

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019654.D
 Acq On : 20 Sep 2024 18:30
 Operator : SY/MD
 Sample : P4127-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:53:52 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)

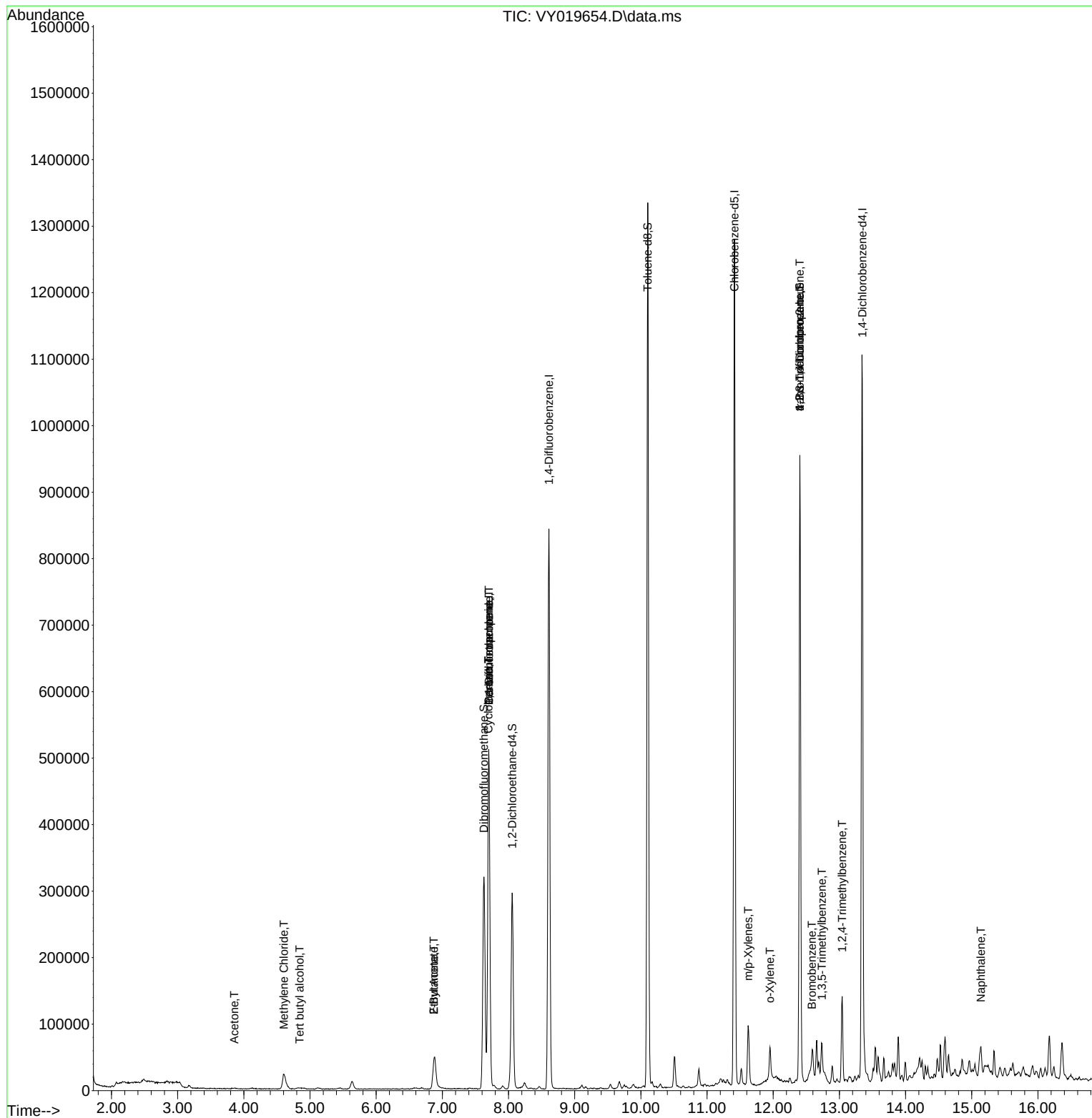
Internal Standards						
1) Pentafluorobenzene	7.701	168	382964	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	723850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	655208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	267870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	227446	64.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.280%	
35) Dibromofluoromethane	7.628	113	230932	56.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.540%	
50) Toluene-d8	10.103	98	849936	55.990	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.980%	
62) 4-Bromofluorobenzene	12.401	95	291645	49.966	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 99.940%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	179	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	1185	4.138	ug/l #	93
13) Acrolein	3.635	56	20	Below Cal	#	1
16) Acetone	3.854	43	939	1.111	ug/l #	68
20) Methylene Chloride	4.604	84	16404	4.258	ug/l #	84
25) 2-Butanone	6.872	43	3853	3.207	ug/l #	72
31) Cyclohexane	7.695	56	10079	1.588	ug/l #	24
36) 1,1-Dichloropropene	7.701	75	32254	5.776	ug/l #	48
37) Ethyl Acetate	6.872	43	3853	1.347	ug/l #	22
38) Carbon Tetrachloride	7.701	117	40325	6.403	ug/l #	16
68) m/p-Xylenes	11.621	106	25290	2.921	ug/l	92
69) o-Xylene	11.950	106	11725	1.385	ug/l	95
76) 1,2,3-Trichloropropane	12.401	75	154785	61.650	ug/l #	100
77) Bromobenzene	12.584	156	25232	5.854	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.737	105	18045	1.142	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.401	75	154785	118.349	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	69339	4.434	ug/l	97
95) Naphthalene	15.139	128	31812	3.495	ug/l #	96

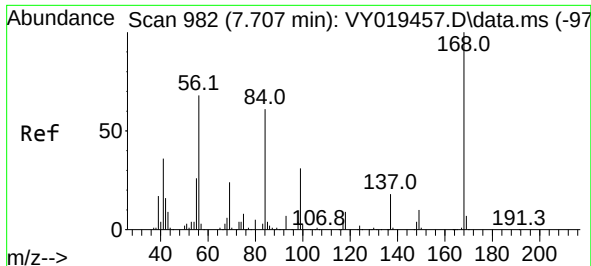
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

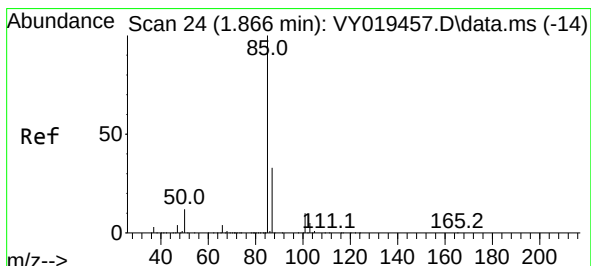
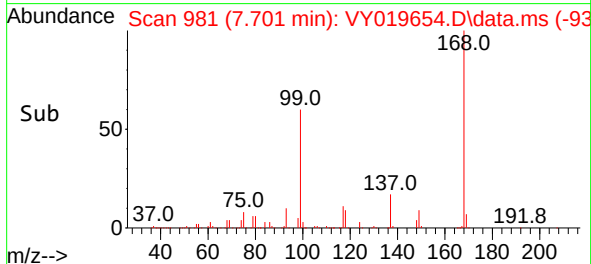
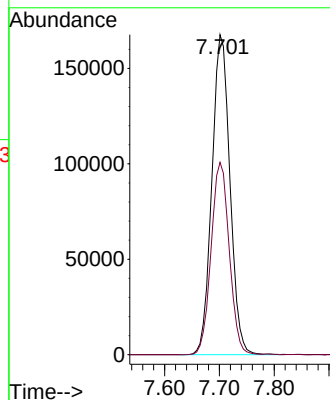
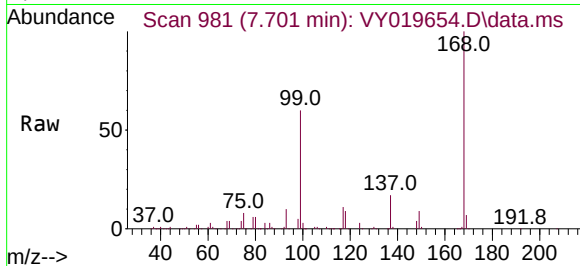




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

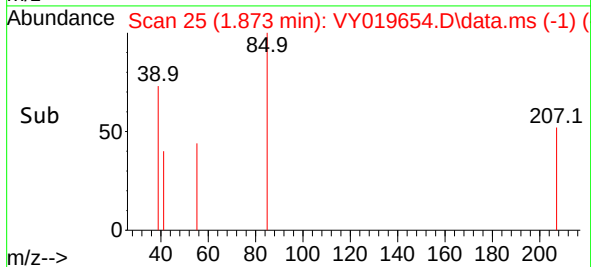
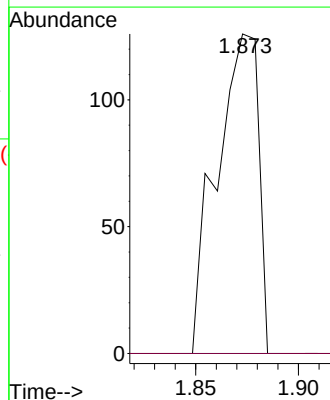
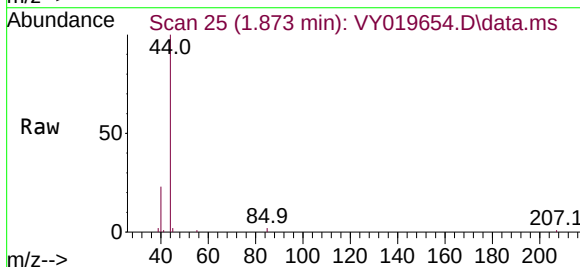
Instrument :
MSVOA_Y
ClientSampleId :

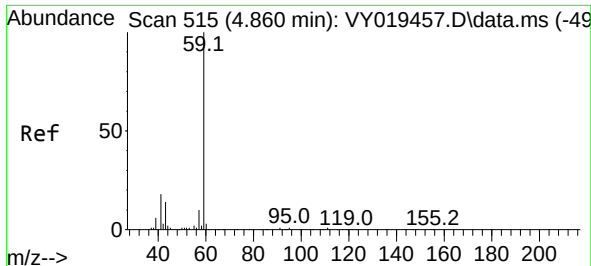
Tgt Ion:168 Resp: 382964
Ion Ratio Lower Upper
168 100
99 60.1 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

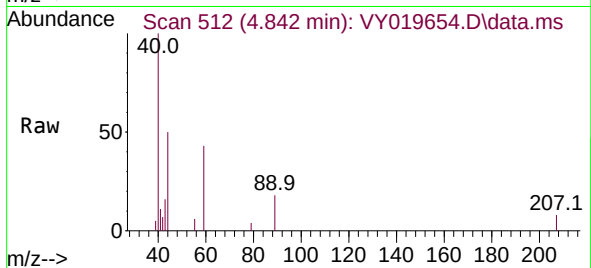
Tgt Ion: 85 Resp: 179
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



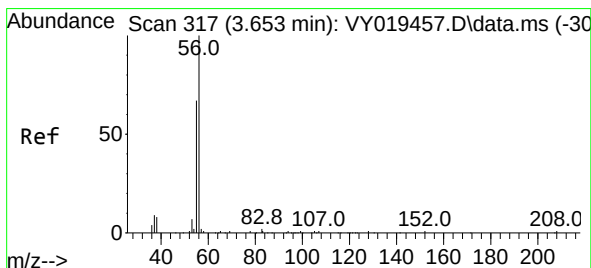
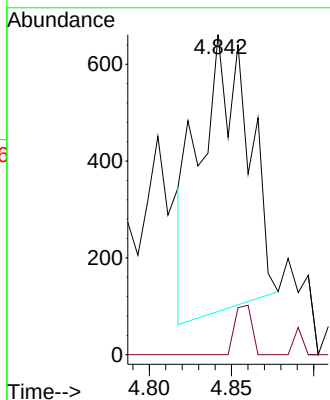
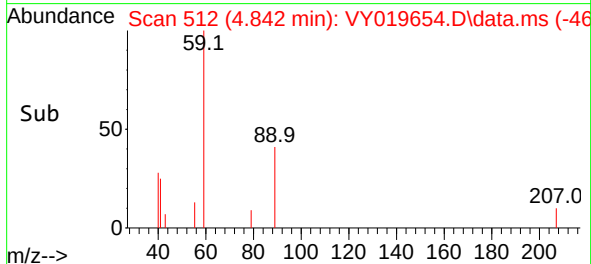


#11
Tert butyl alcohol
Concen: 4.138 ug/l
RT: 4.842 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

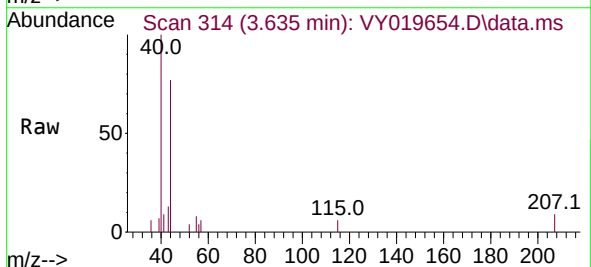
Instrument :
MSVOA_Y
ClientSampleId :



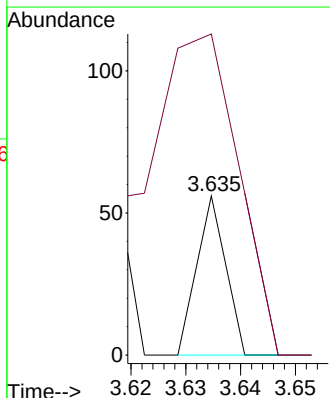
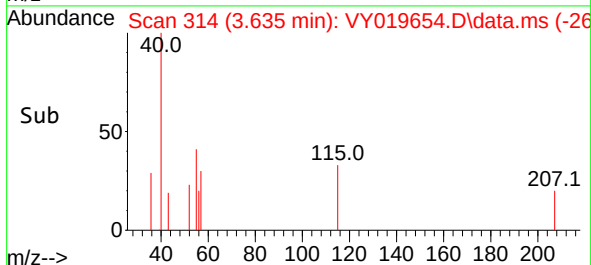
Tgt Ion: 59 Resp: 1185
Ion Ratio Lower Upper
59 100
57 6.2 3.0 4.6#

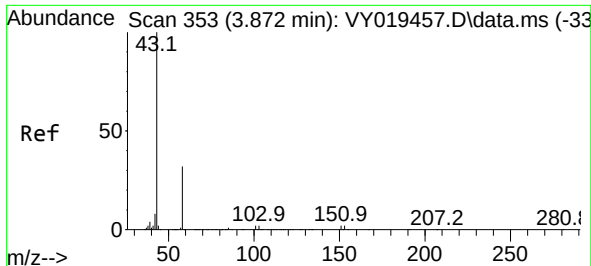


#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30



Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 715.0 55.7 83.5#

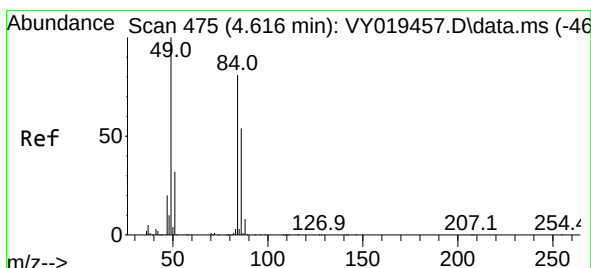
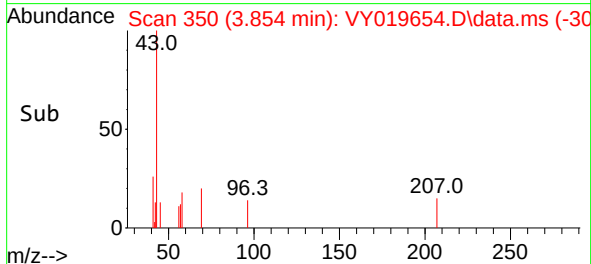
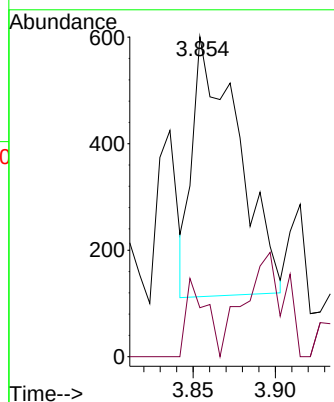
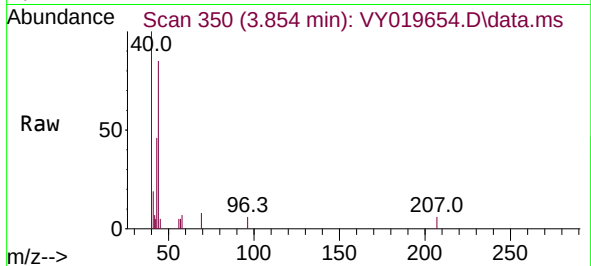




#16
Acetone
Concen: 1.111 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

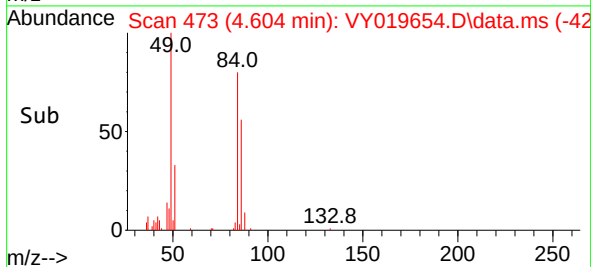
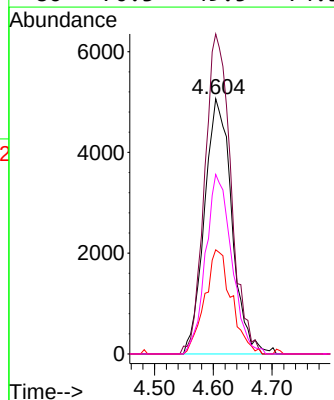
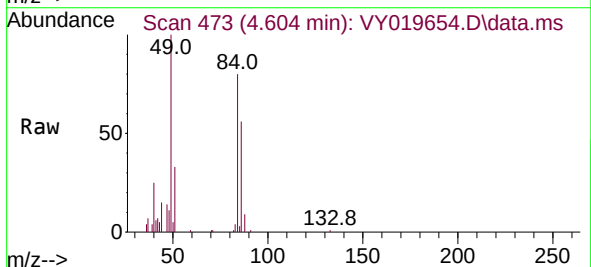
Instrument :
MSVOA_Y
ClientSampleId :

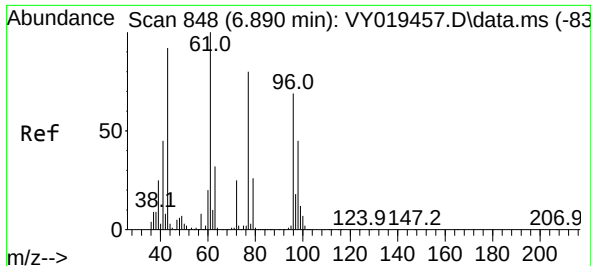
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
58 20.1 31.7 47.5#



#20
Methylene Chloride
Concen: 4.258 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

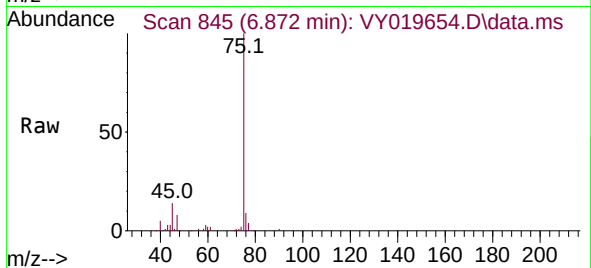
Tgt Ion: 84 Resp: 16404
Ion Ratio Lower Upper
84 100
49 125.4 84.4 126.6
51 40.8 26.0 39.0#
86 70.3 49.5 74.3



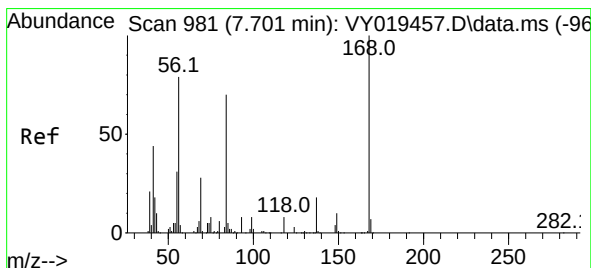
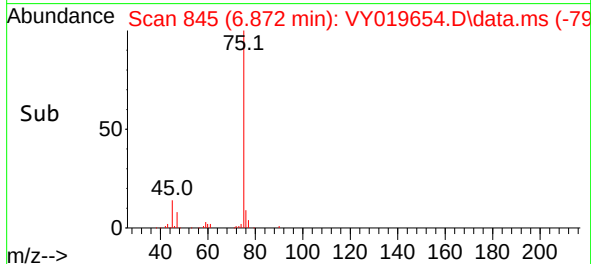
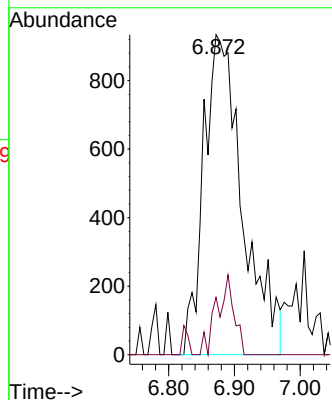


#25
2-Butanone
Concen: 3.207 ug/l
RT: 6.872 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Instrument :
MSVOA_Y
ClientSampleId :

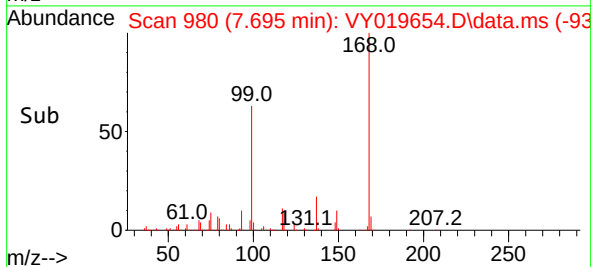
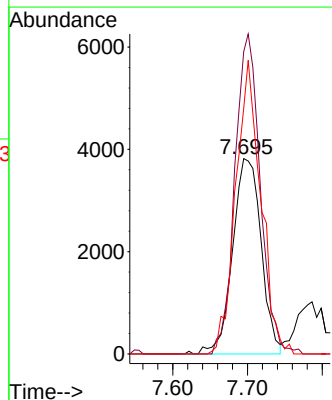
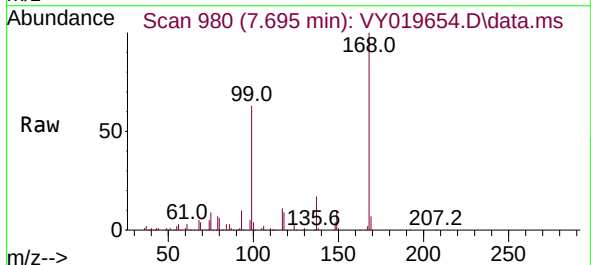


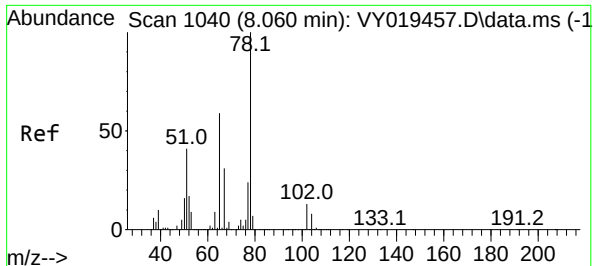
Tgt Ion: 43 Resp: 3853
Ion Ratio Lower Upper
43 100
72 17.9 27.3 40.9#



#31
Cyclohexane
Concen: 1.588 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion: 56 Resp: 10079
Ion Ratio Lower Upper
56 100
69 154.7 28.7 43.1#
84 125.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 64.139 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

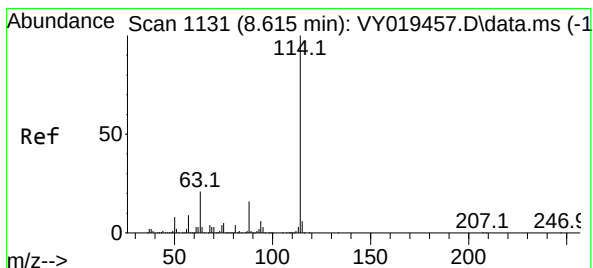
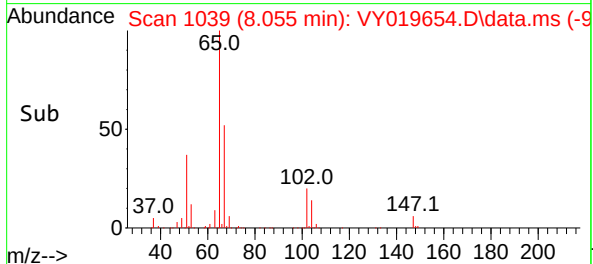
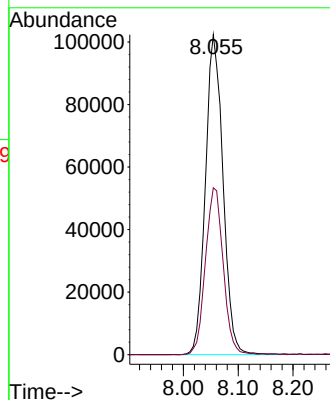
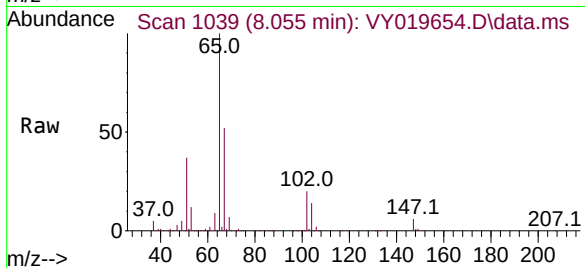
ClientSampleId :

Tgt Ion: 65 Resp: 227446

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

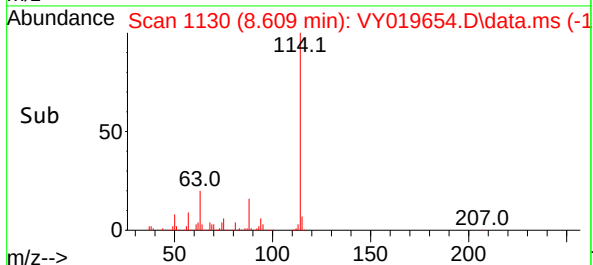
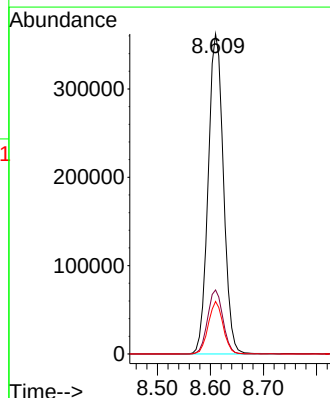
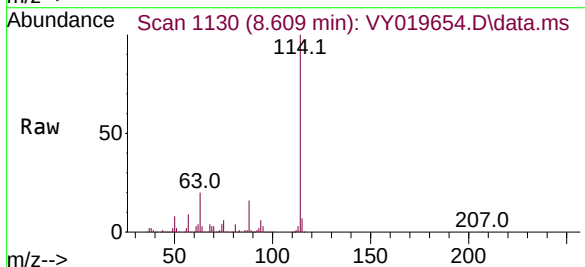
Tgt Ion: 114 Resp: 723850

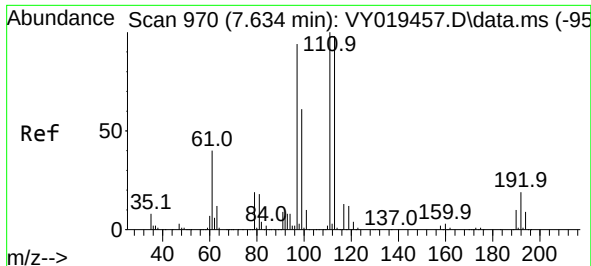
Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

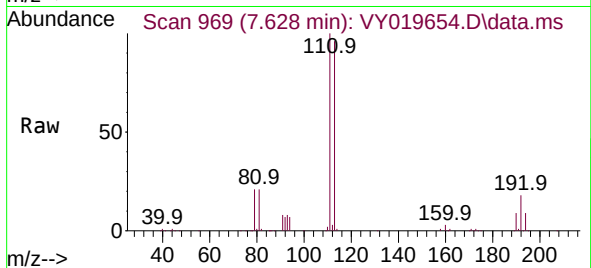
88 16.4 0.0 27.2



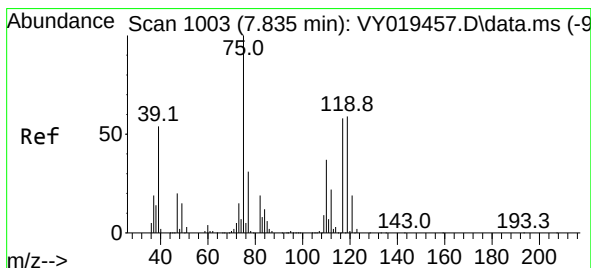
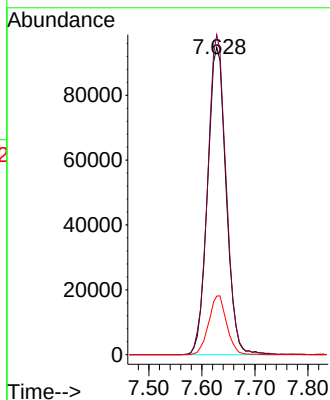
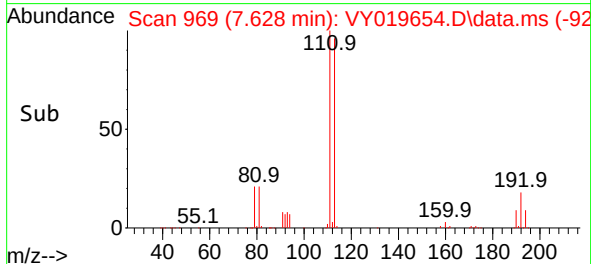


#35
Dibromofluoromethane
Concen: 56.269 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

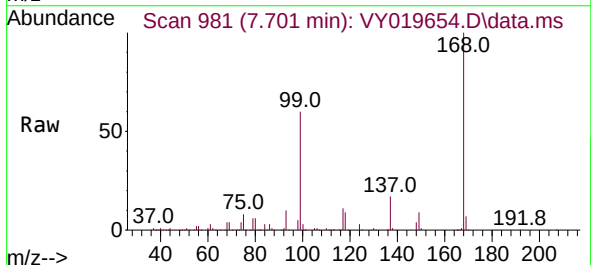
Instrument :
MSVOA_Y
ClientSampleId :



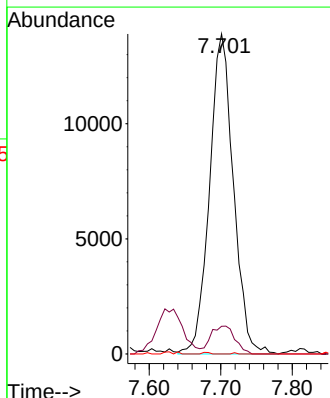
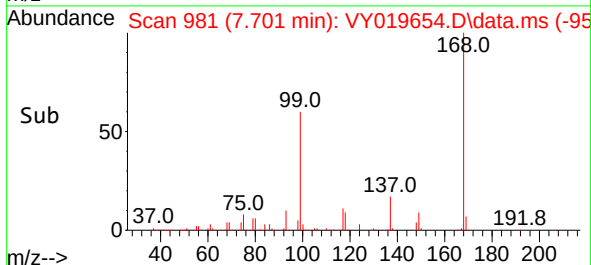
Tgt Ion:113 Resp: 230932
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 18.6 15.9 23.9

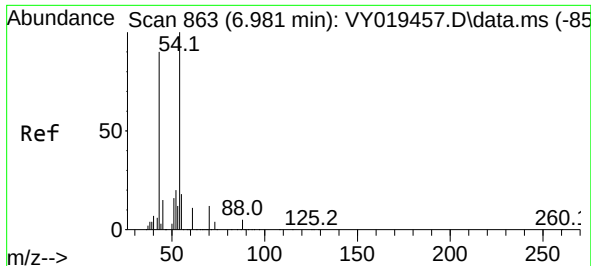


#36
1,1-Dichloropropene
Concen: 5.776 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30



Tgt Ion: 75 Resp: 32254
Ion Ratio Lower Upper
75 100
110 8.9 19.0 57.0#
77 0.1 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.347 ug/l

RT: 6.872 min Scan# 845

Delta R.T. -0.110 min

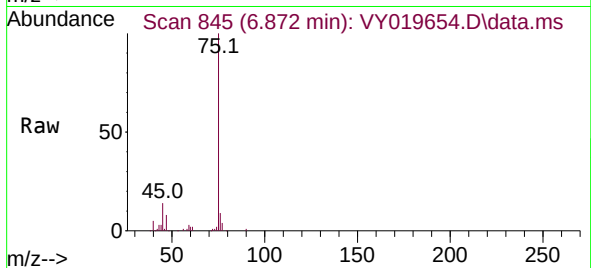
Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

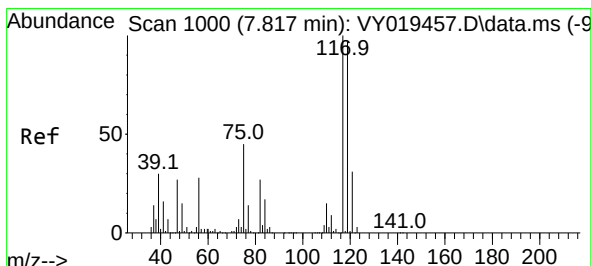
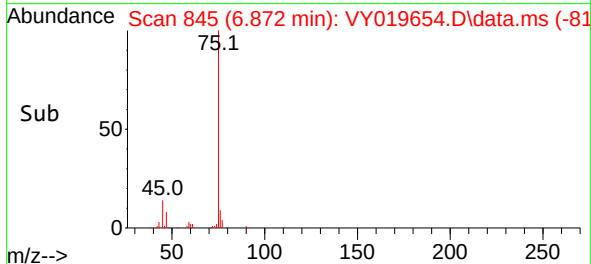
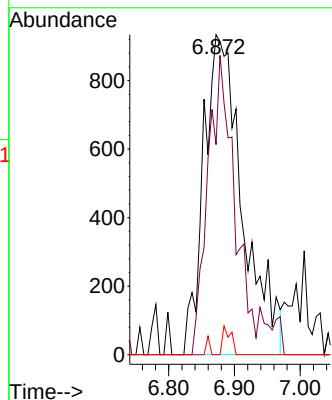
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	3853
Ion	Ratio	Lower	Upper
43	100		
61	63.4	12.6	19.0#
70	1.9	7.8	11.8#



#38

Carbon Tetrachloride

Concen: 6.403 ug/l

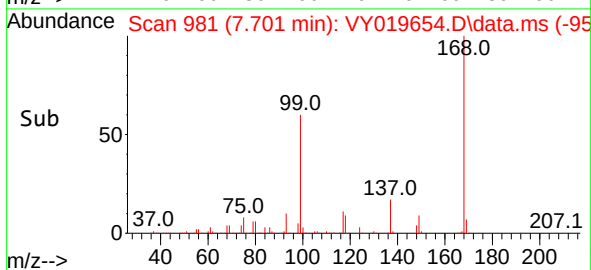
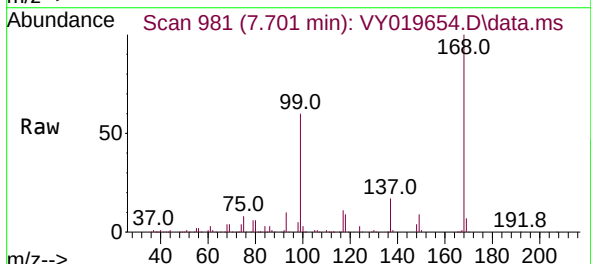
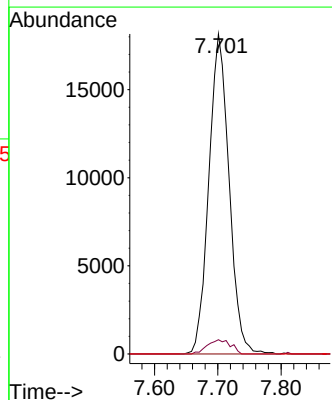
RT: 7.701 min Scan# 981

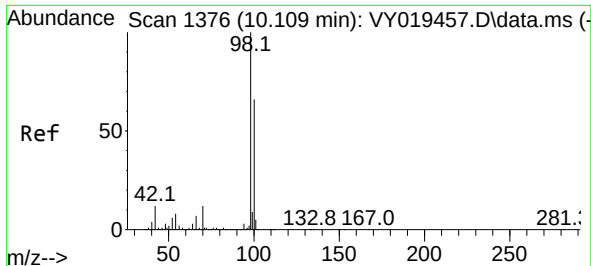
Delta R.T. -0.116 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Tgt Ion:	117	Resp:	40325
Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	24.0	36.0#

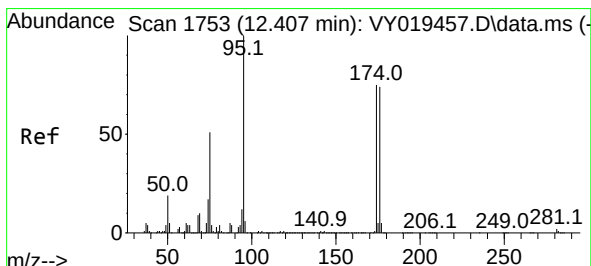
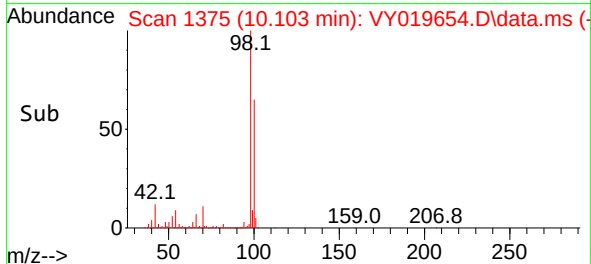
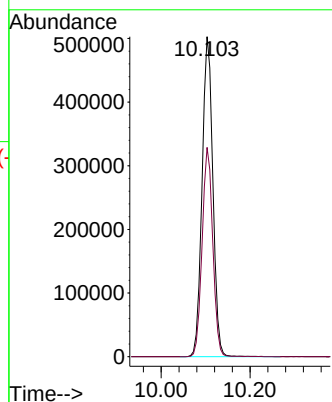
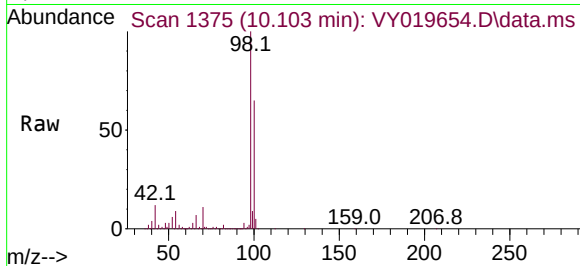




#50
Toluene-d8
Concen: 55.990 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

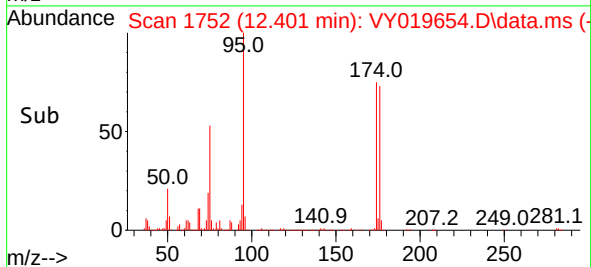
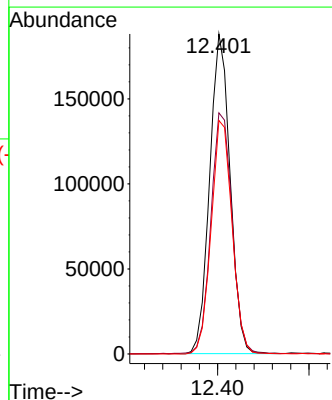
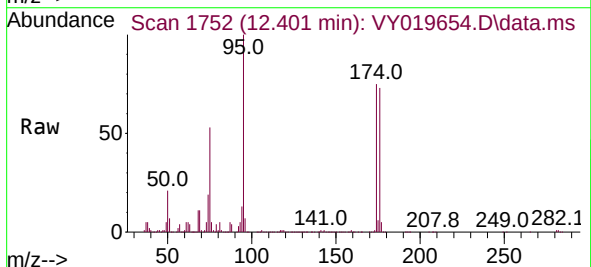
Instrument :
MSVOA_Y
ClientSampleId :

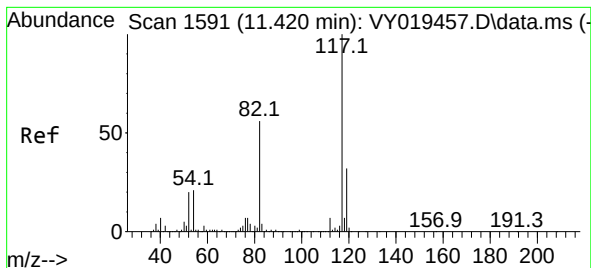
Tgt Ion: 98 Resp: 849936
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.966 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion: 95 Resp: 291645
Ion Ratio Lower Upper
95 100
174 78.5 0.0 175.6
176 74.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

ClientSampleId :

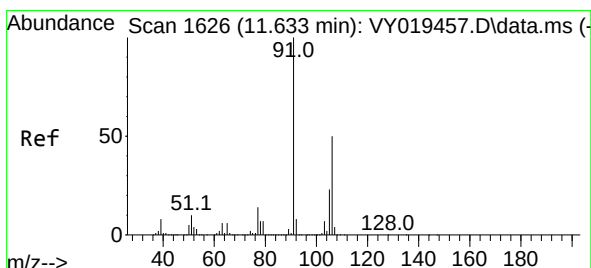
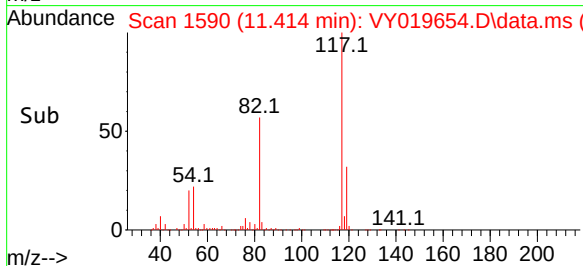
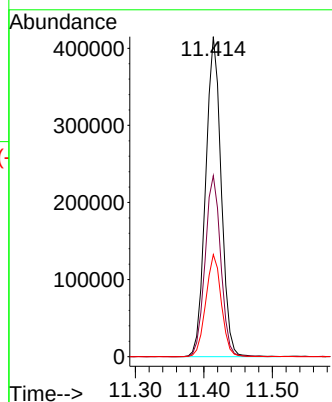
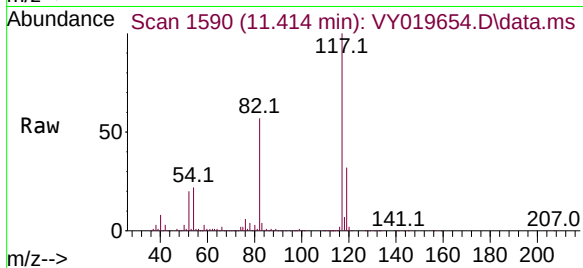
Tgt Ion:117 Resp: 655208

Ion Ratio Lower Upper

117 100

82 56.5 42.4 63.6

119 31.9 25.9 38.9



#68

m/p-Xylenes

Concen: 2.921 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY019654.D

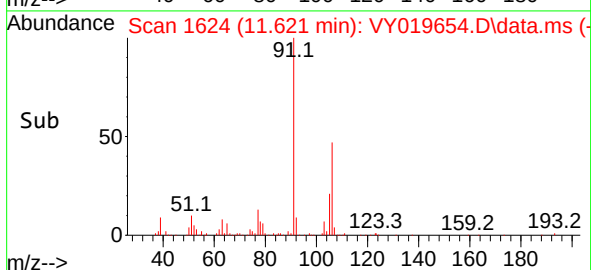
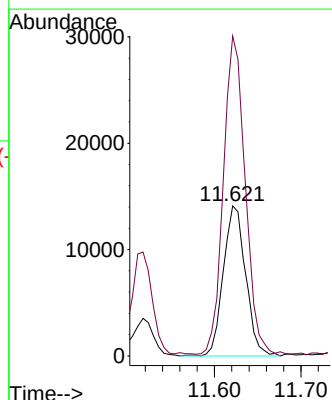
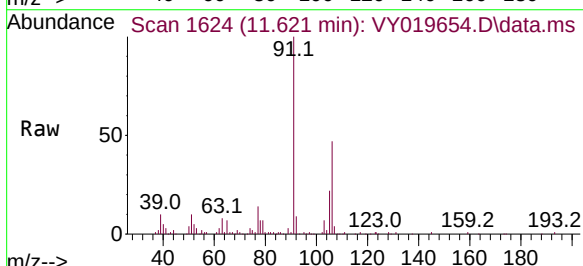
Acq: 20 Sep 2024 18:30

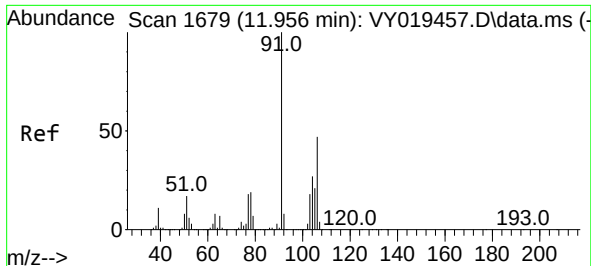
Tgt Ion:106 Resp: 25290

Ion Ratio Lower Upper

106 100

91 206.5 156.0 234.0

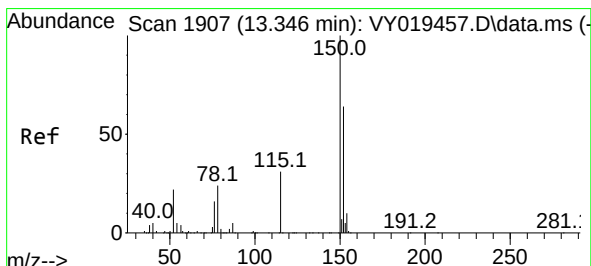
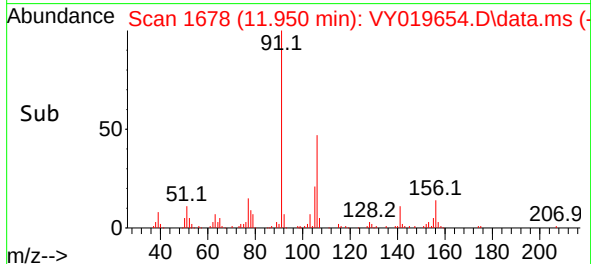
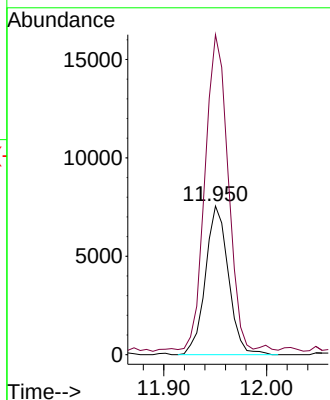
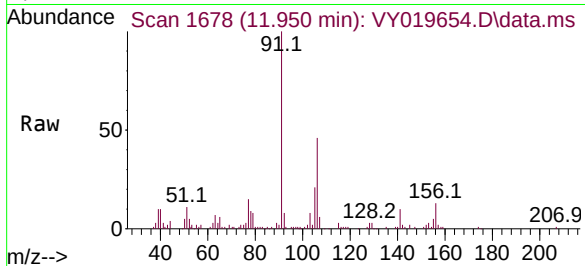




#69
o-Xylene
Concen: 1.385 ug/l
RT: 11.950 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

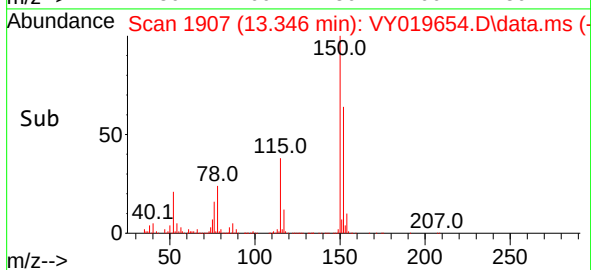
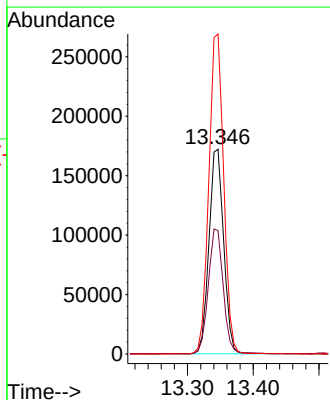
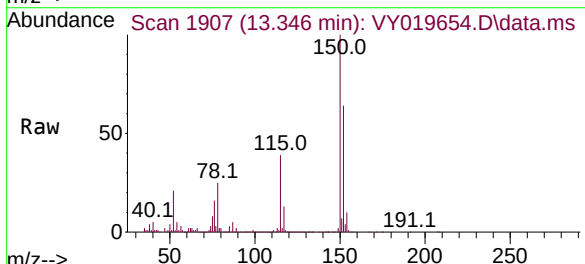
Instrument :
MSVOA_Y
ClientSampleId :

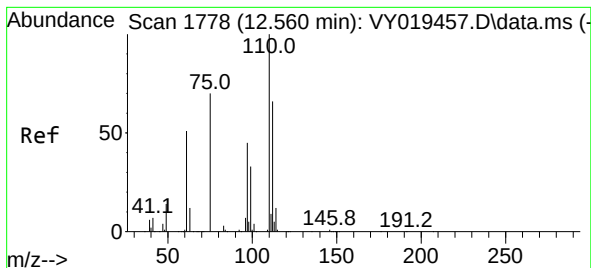
Tgt Ion:106 Resp: 11725
Ion Ratio Lower Upper
106 100
91 215.6 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion:152 Resp: 267870
Ion Ratio Lower Upper
152 100
115 61.9 28.2 84.7
150 157.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 61.650 ug/l

RT: 12.401 min Scan# 11

Delta R.T. -0.158 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

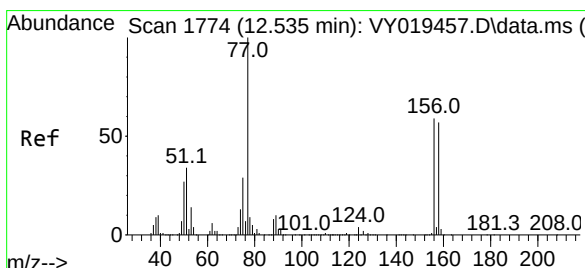
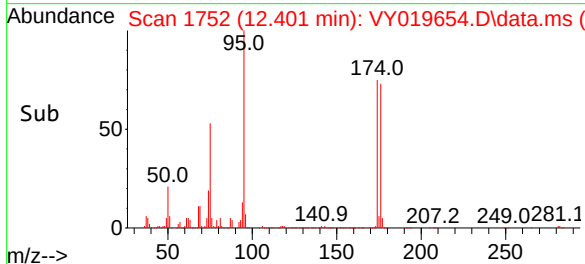
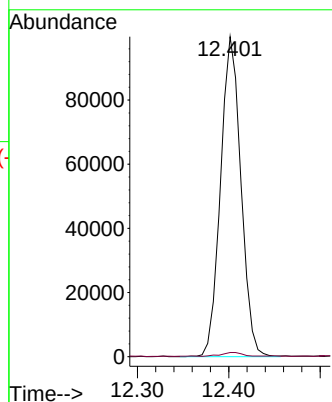
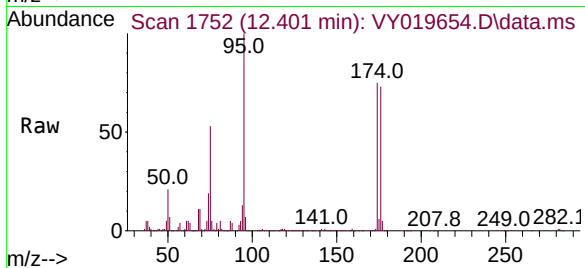
ClientSampleId :

Tgt Ion: 75 Resp: 154785

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 5.854 ug/l

RT: 12.584 min Scan# 1782

Delta R.T. 0.049 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

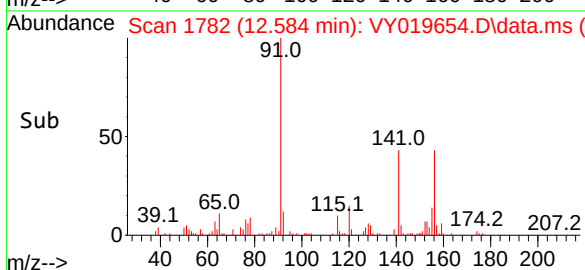
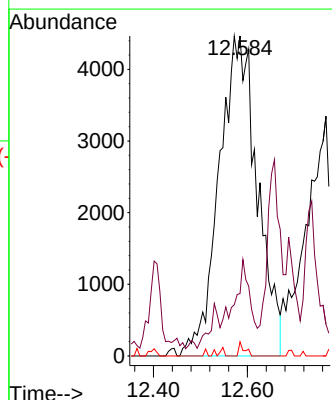
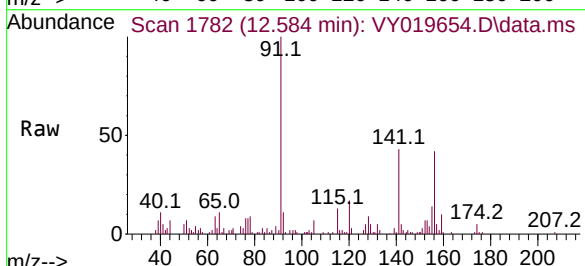
Tgt Ion: 156 Resp: 25232

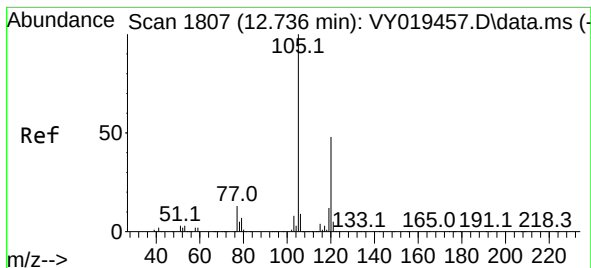
Ion Ratio Lower Upper

156 100

77 6.8 87.1 261.3#

158 0.6 48.6 145.9#





#80

1,3,5-Trimethylbenzene

Concen: 1.142 ug/l

RT: 12.737 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

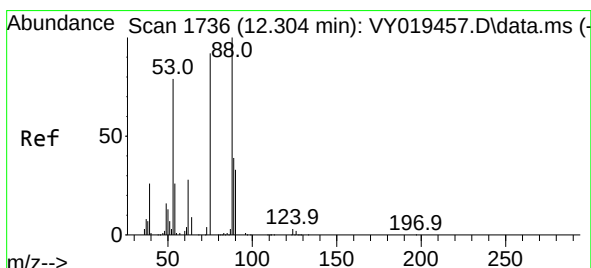
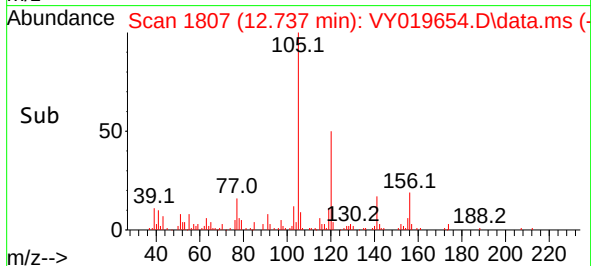
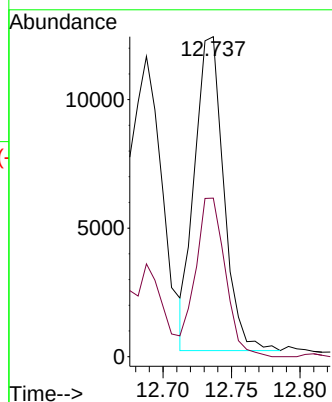
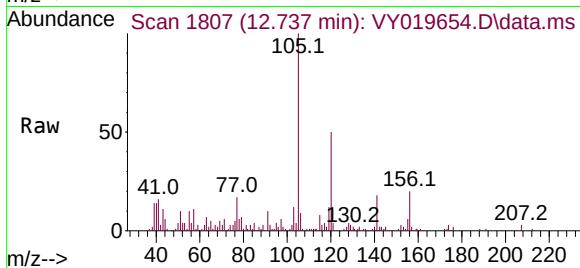
ClientSampleId :

Tgt Ion:105 Resp: 18045

Ion Ratio Lower Upper

105 100

120 51.4 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 118.349 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

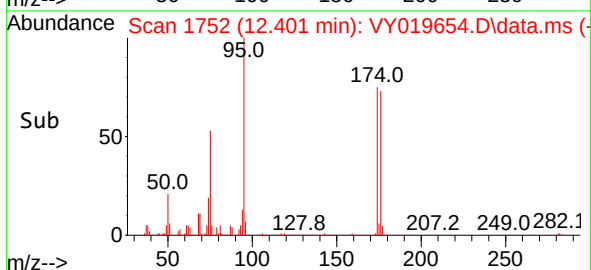
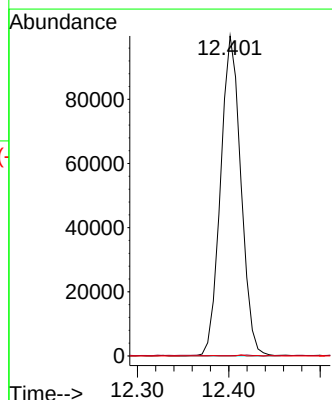
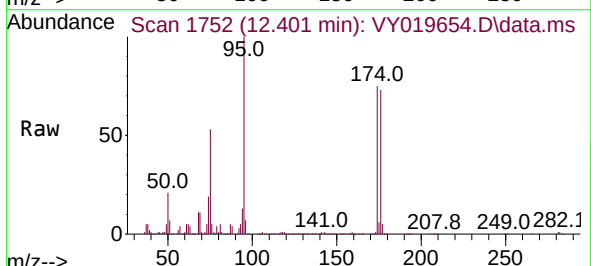
Tgt Ion: 75 Resp: 154785

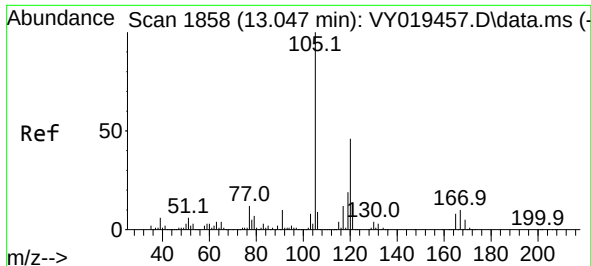
Ion Ratio Lower Upper

75 100

53 0.2 66.8 100.2#

89 0.1 35.8 53.6#

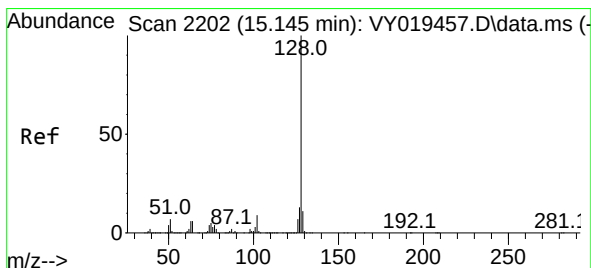
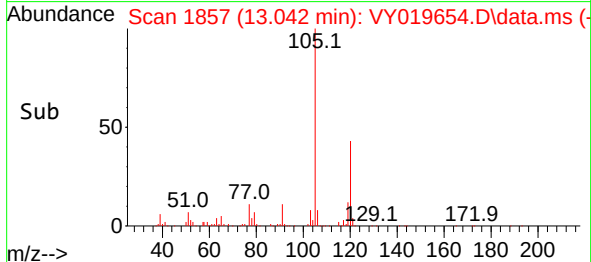
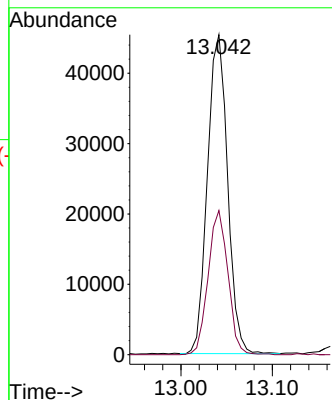
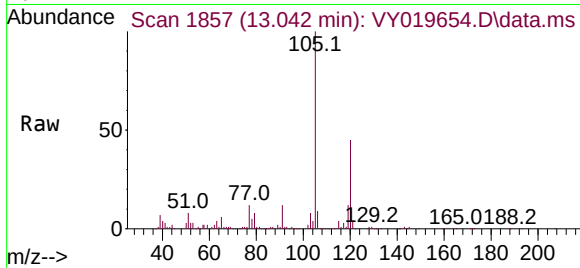




#84
1,2,4-Trimethylbenzene
Concen: 4.434 ug/l
RT: 13.042 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 69339
Ion Ratio Lower Upper
105 100
120 44.5 23.2 69.6



#95
Naphthalene
Concen: 3.495 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion:128 Resp: 31812
Ion Ratio Lower Upper
128 100
127 14.6 10.6 16.0
129 13.0 8.6 13.0#

