

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019652.D
 Acq On : 20 Sep 2024 17:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:53:06 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

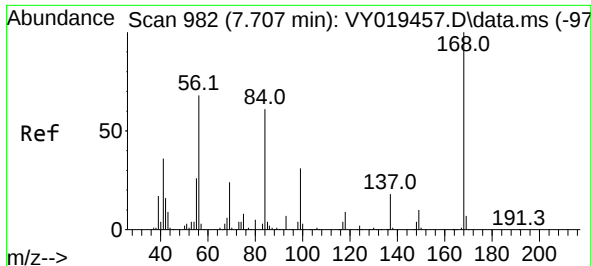
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	411731	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	758596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	687886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	296811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	223421	58.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.200%	
35) Dibromofluoromethane	7.628	113	237872	55.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.600%	
50) Toluene-d8	10.103	98	892345	56.091	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.180%	
62) 4-Bromofluorobenzene	12.401	95	305420	49.929	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 99.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	254	Below Cal	#	43
11) Tert butyl alcohol	4.835	59	4061	13.190	ug/l	# 88
13) Acrolein	3.671	56	228	Below Cal	#	65
16) Acetone	3.860	43	1615	1.778	ug/l	# 76
20) Methylene Chloride	4.616	84	20864	5.037	ug/l	95
25) 2-Butanone	6.884	43	5809	4.497	ug/l	# 61
26) 2,2-Dichloropropane	6.884	77	7481	1.099	ug/l	# 53
31) Cyclohexane	7.695	56	11480	1.682	ug/l	# 22
36) 1,1-Dichloropropene	7.695	75	33036	5.645	ug/l	# 49
38) Carbon Tetrachloride	7.701	117	42957	6.509	ug/l	# 17
67) Ethyl Benzene	11.517	91	60282	2.507	ug/l	97
68) m/p-Xylenes	11.621	106	98541	10.839	ug/l	94
69) o-Xylene	11.956	106	36683	4.126	ug/l	91
76) 1,2,3-Trichloropropane	12.566	75	5089	1.829	ug/l	# 100
77) Bromobenzene	12.590	156	310442	65.005	ug/l	# 1
78) n-propylbenzene	12.590	91	67984	2.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	61298	3.502	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.401	75	161897	111.717	ug/l	# 17
83) tert-Butylbenzene	13.041	119	24907	1.572	ug/l	# 56
84) 1,2,4-Trimethylbenzene	13.041	105	212011	12.235	ug/l	99
89) n-Butylbenzene	13.614	91	30208	1.678	ug/l	# 71
90) Hexachloroethane	13.889	117	7906	2.017	ug/l	# 13
95) Naphthalene	15.138	128	105309	10.441	ug/l	99

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

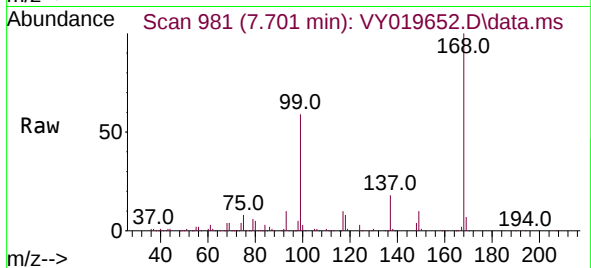
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
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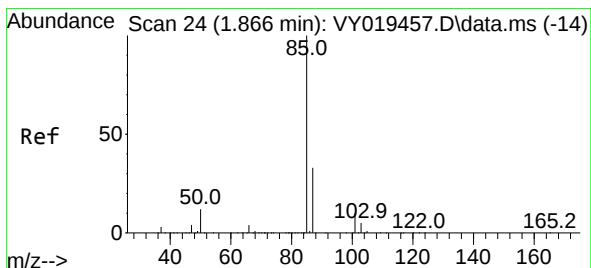
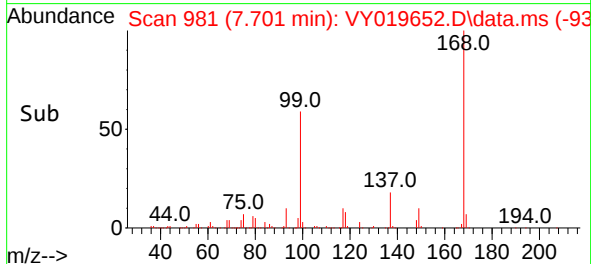
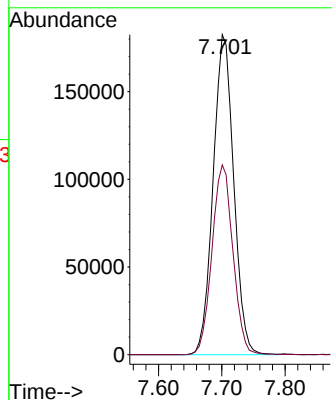


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :

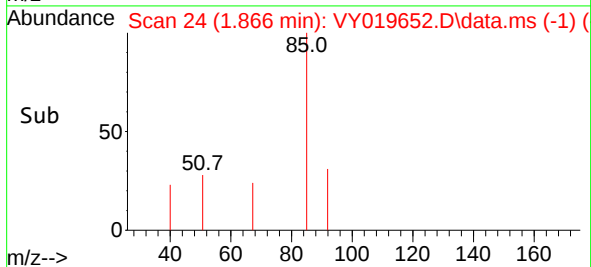
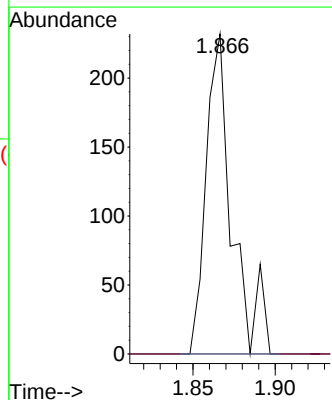
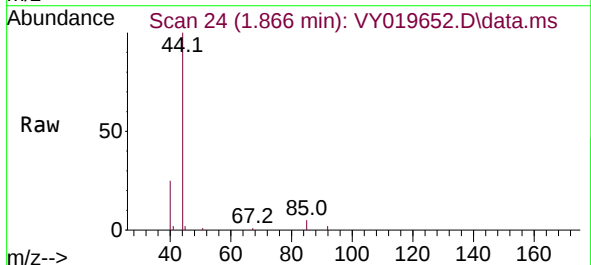


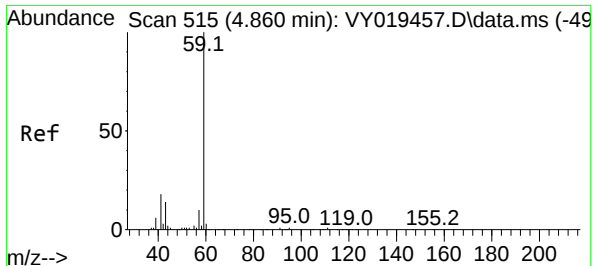
Tgt Ion:168 Resp: 411731
Ion Ratio Lower Upper
168 100
99 59.3 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.866 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Tgt Ion: 85 Resp: 254
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 13.190 ug/l

RT: 4.835 min Scan# 51

Delta R.T. -0.024 min

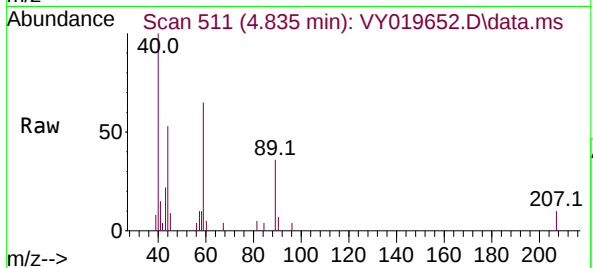
Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

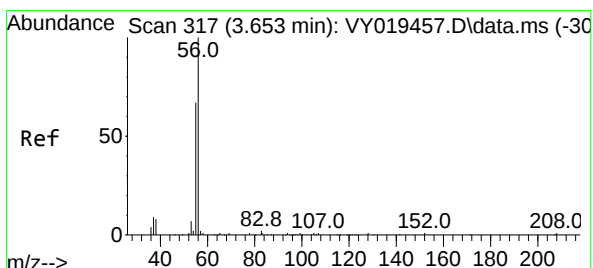
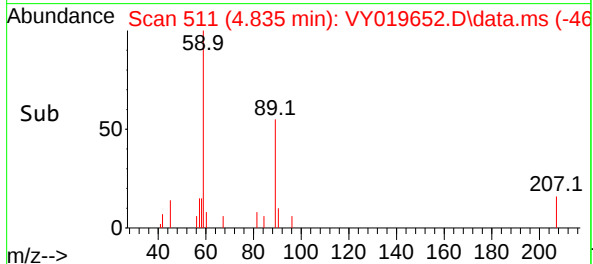
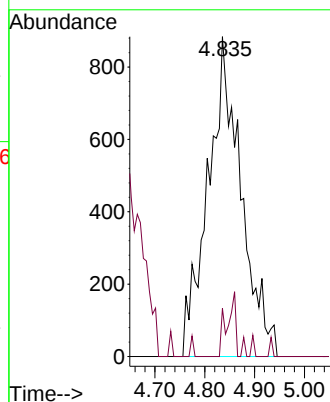


Tgt Ion: 59 Resp: 4061

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.671 min Scan# 320

Delta R.T. 0.018 min

Lab File: VY019652.D

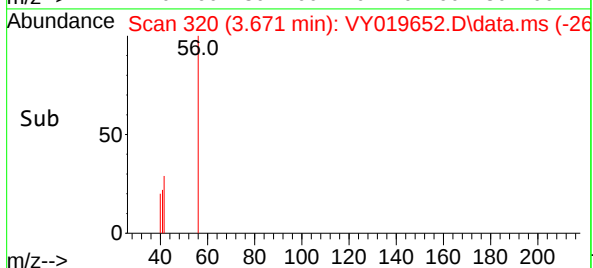
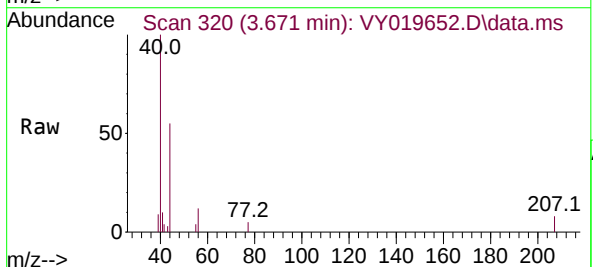
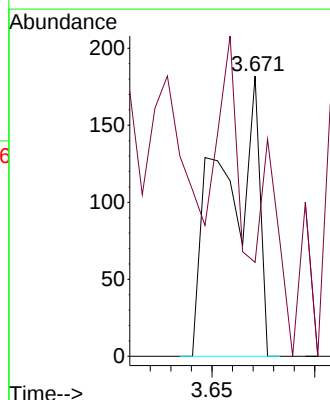
Acq: 20 Sep 2024 17:43

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 40.8 55.7 83.5#

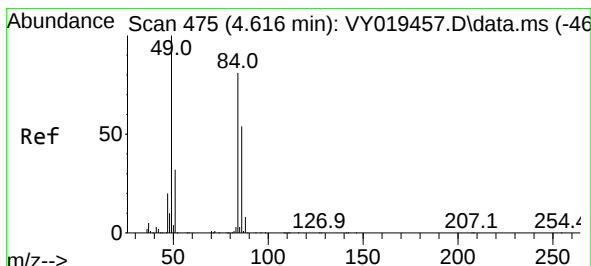
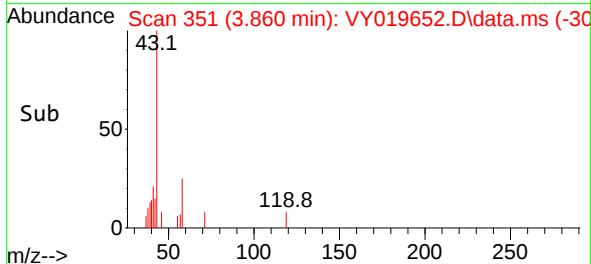
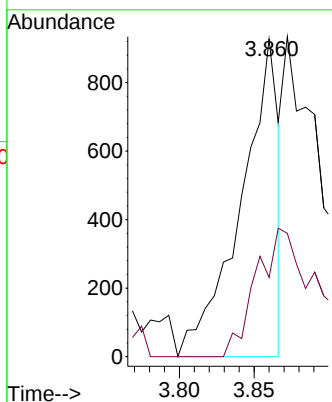
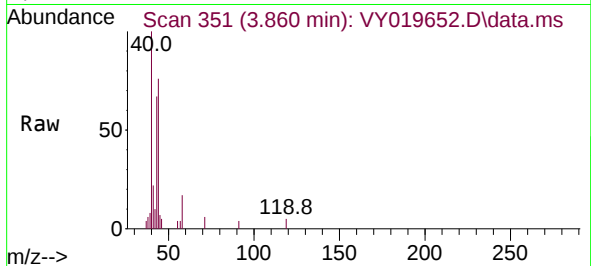




#16
Acetone
Concen: 1.778 ug/l
RT: 3.860 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

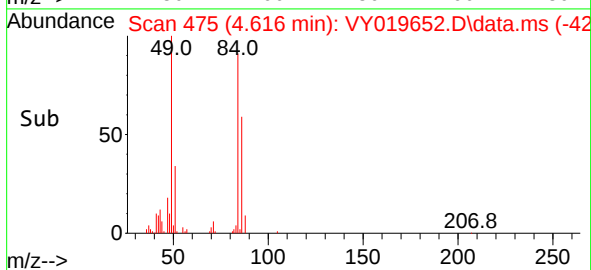
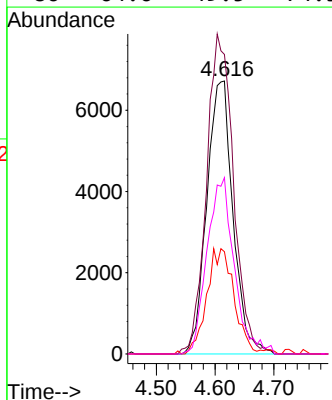
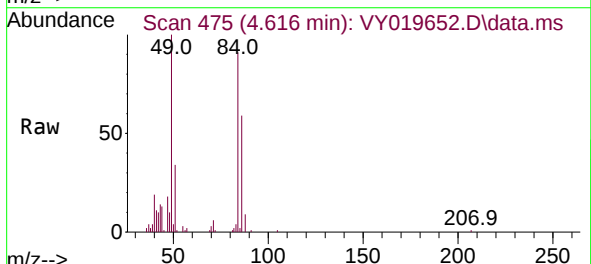
Instrument :
MSVOA_Y
ClientSampleId :

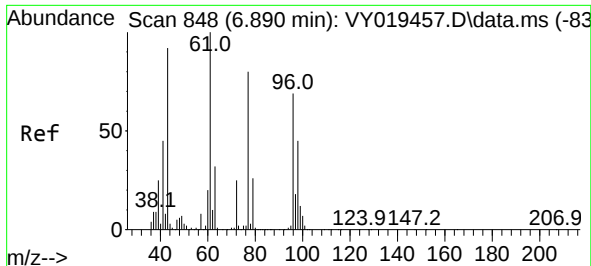
Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 24.9 31.7 47.5#



#20
Methylene Chloride
Concen: 5.037 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Tgt Ion: 84 Resp: 20864
Ion Ratio Lower Upper
84 100
49 109.7 84.4 126.6
51 37.5 26.0 39.0
86 64.6 49.5 74.3





#25

2-Butanone

Concen: 4.497 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

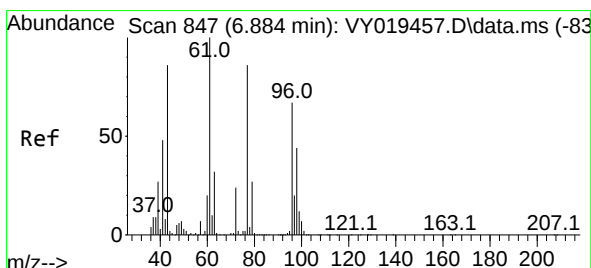
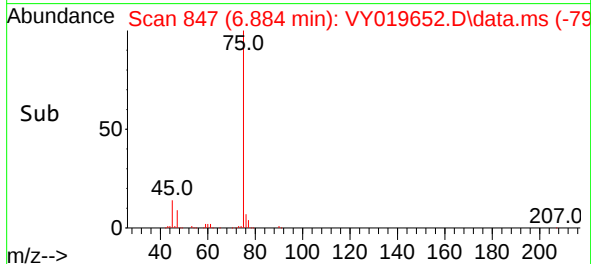
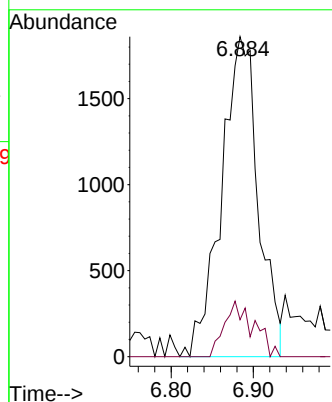
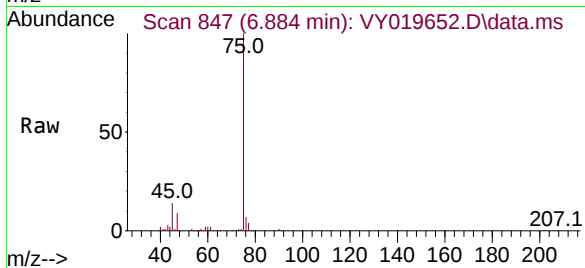
ClientSampleId :

Tgt Ion: 43 Resp: 5809

Ion Ratio Lower Upper

43 100

72 11.6 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.099 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY019652.D

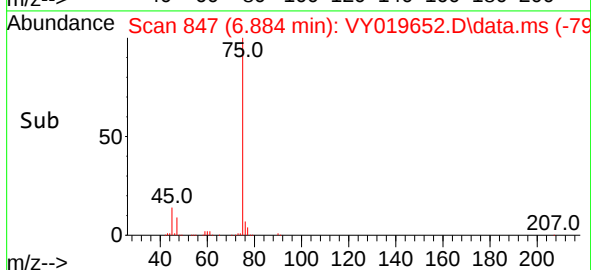
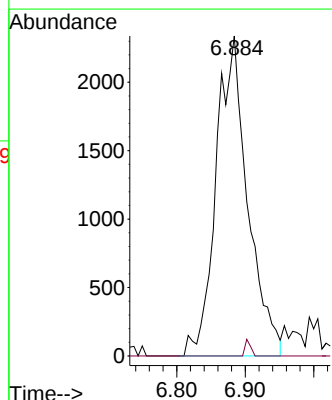
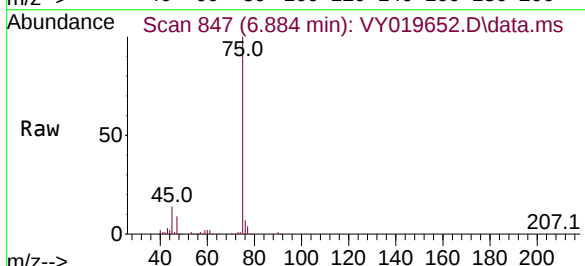
Acq: 20 Sep 2024 17:43

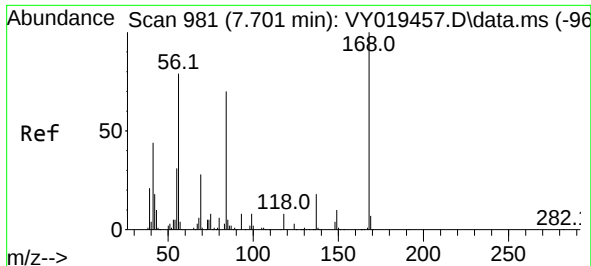
Tgt Ion: 77 Resp: 7481

Ion Ratio Lower Upper

77 100

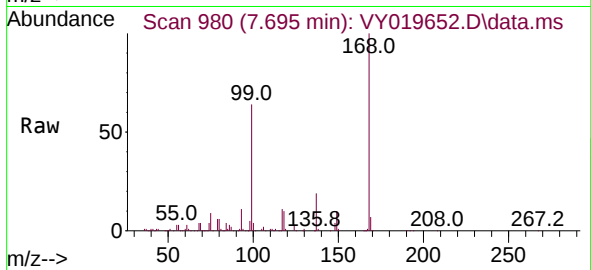
97 0.9 12.0 36.1#



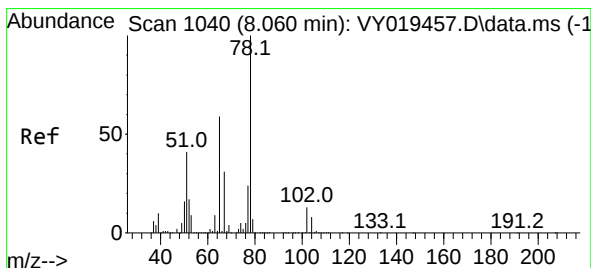
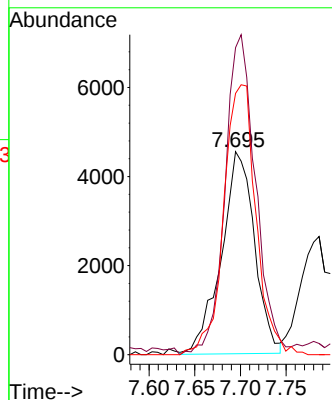
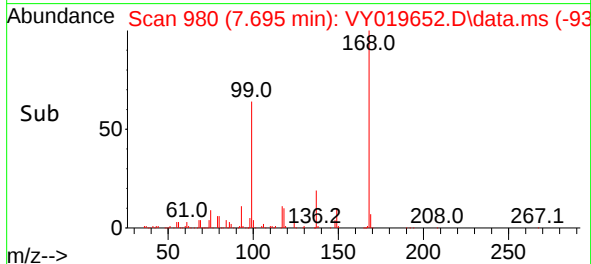


#31
Cyclohexane
Concen: 1.682 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :

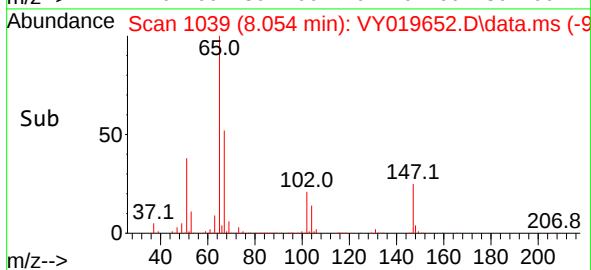
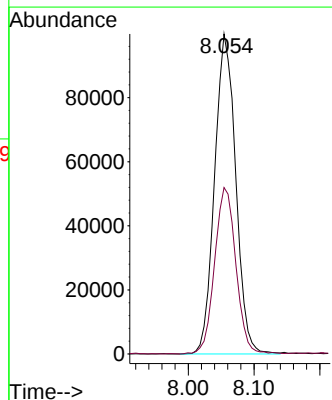
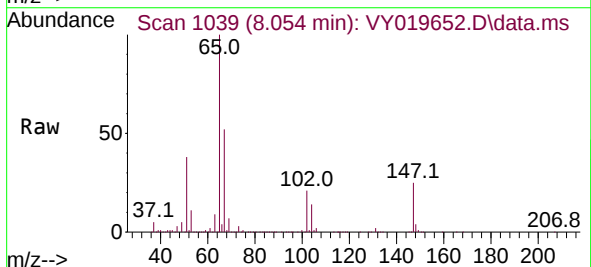


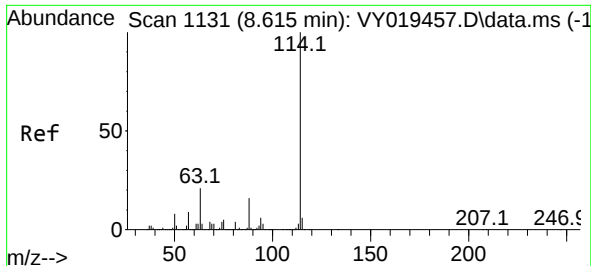
Tgt Ion: 56 Resp: 11480
Ion Ratio Lower Upper
56 100
69 152.9 28.7 43.1#
84 130.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 58.602 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Tgt Ion: 65 Resp: 223421
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

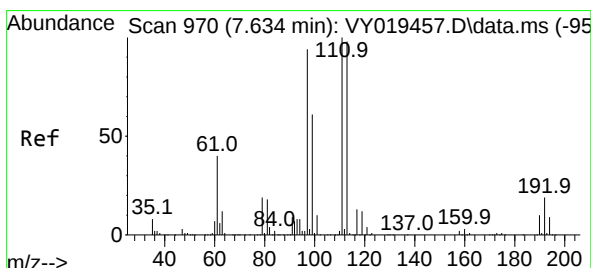
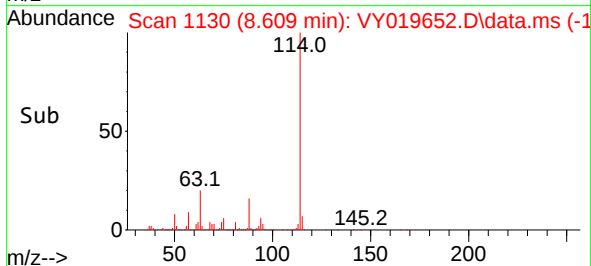
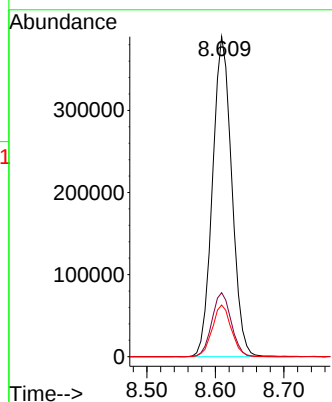
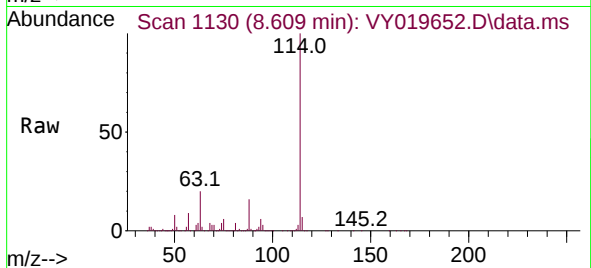
Tgt Ion:114 Resp: 758596

Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

88 16.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.305 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

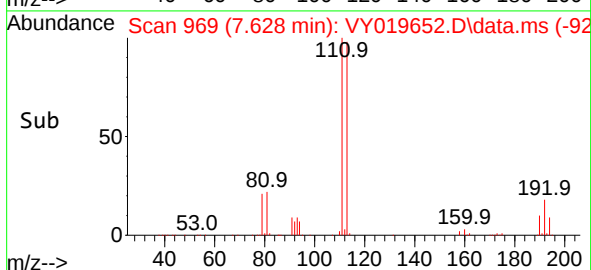
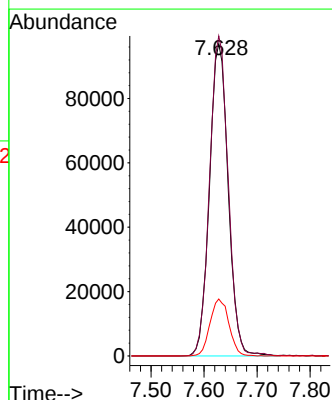
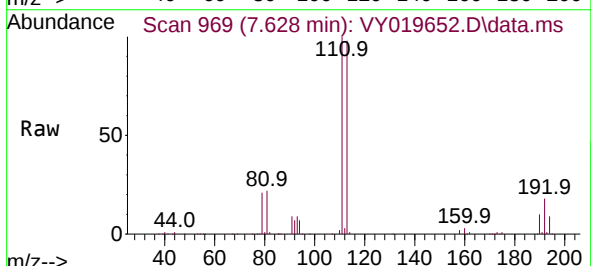
Tgt Ion:113 Resp: 237872

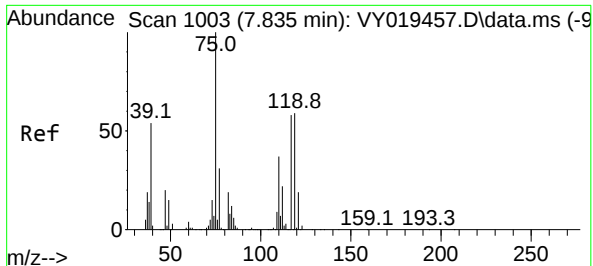
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 18.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.645 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.140 min

Lab File: VY019652.D

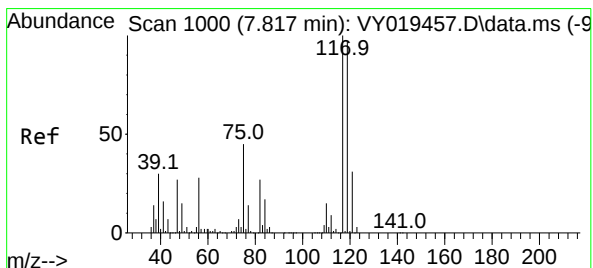
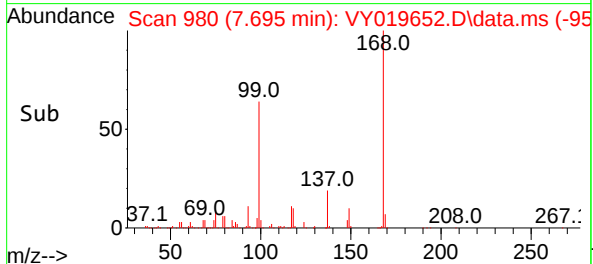
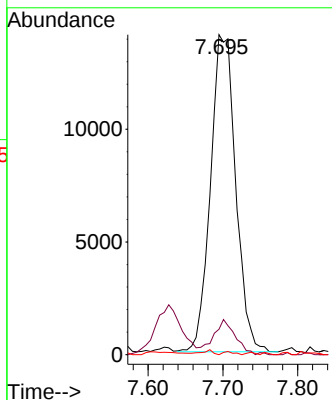
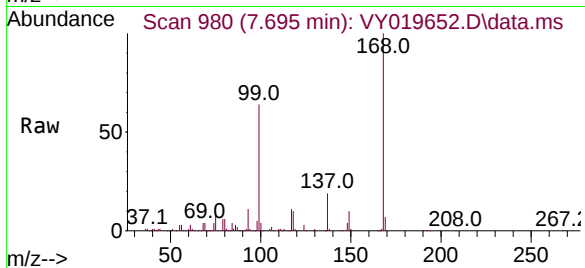
Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	33036
Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.0	57.0#
77	0.4	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 6.509 ug/l

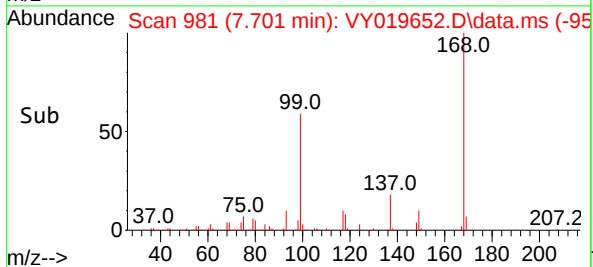
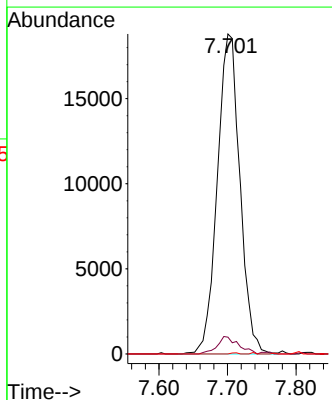
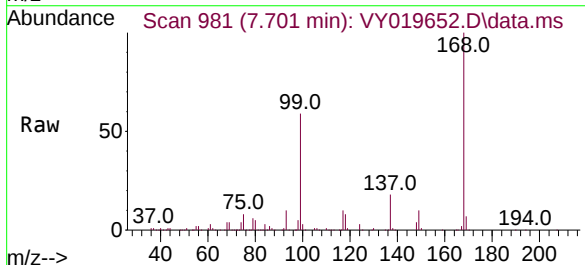
RT: 7.701 min Scan# 981

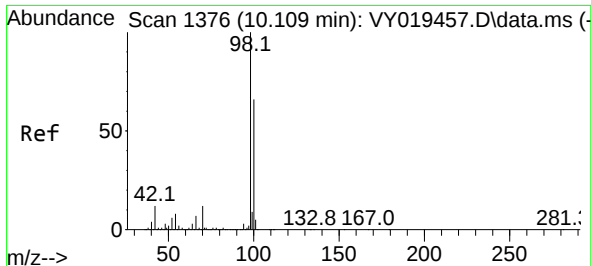
Delta R.T. -0.116 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Tgt Ion:	117	Resp:	42957
Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.8	113.6#
121	0.0	24.0	36.0#

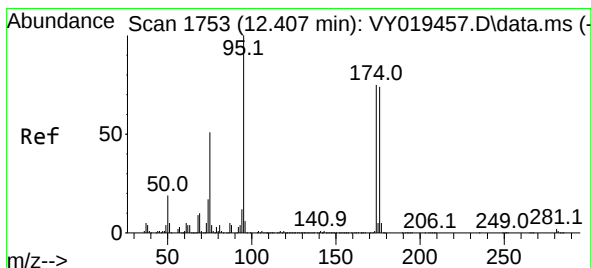
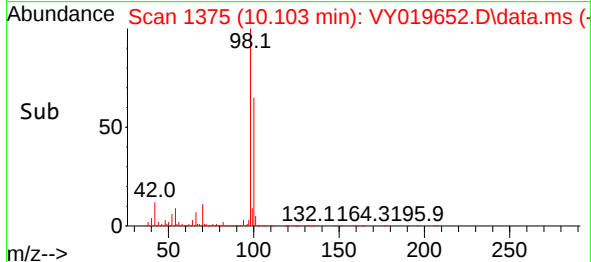
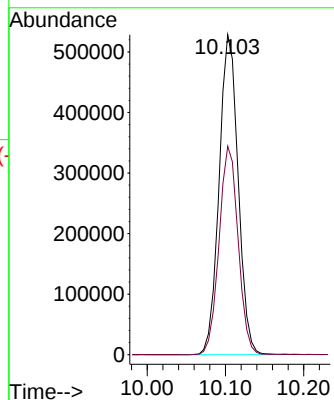
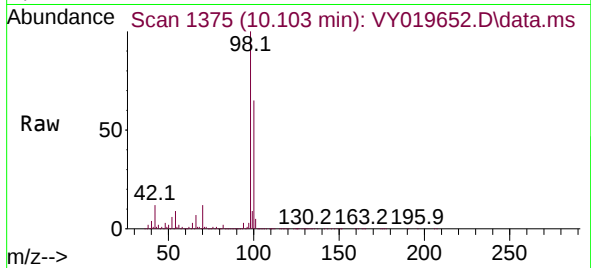




#50
Toluene-d8
Concen: 56.091 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

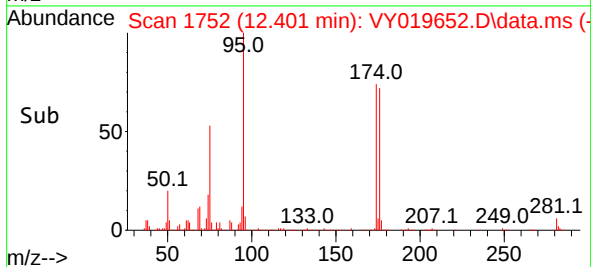
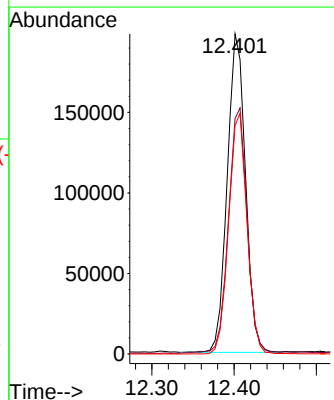
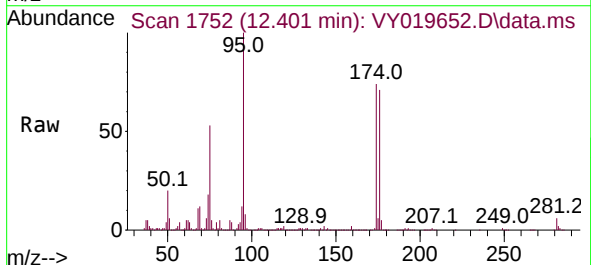
Instrument :
MSVOA_Y
ClientSampleId :

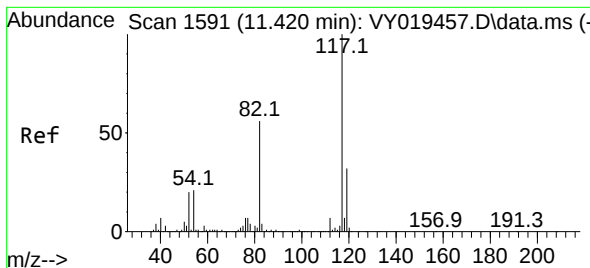
Tgt Ion: 98 Resp: 892345
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.929 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Tgt Ion: 95 Resp: 305420
Ion Ratio Lower Upper
95 100
174 79.1 0.0 175.6
176 75.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

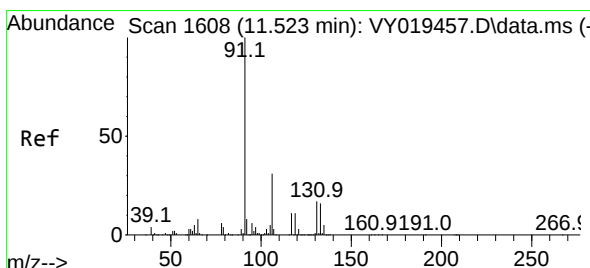
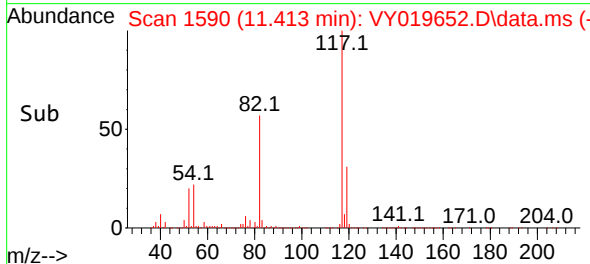
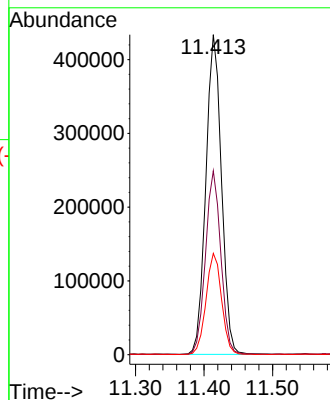
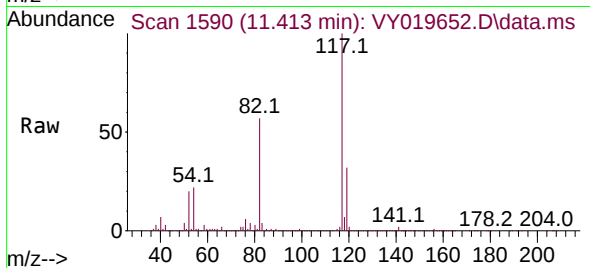
Tgt Ion:117 Resp: 687886

Ion Ratio Lower Upper

117 100

82 57.4 42.4 63.6

119 31.6 25.9 38.9



#67

Ethyl Benzene

Concen: 2.507 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019652.D

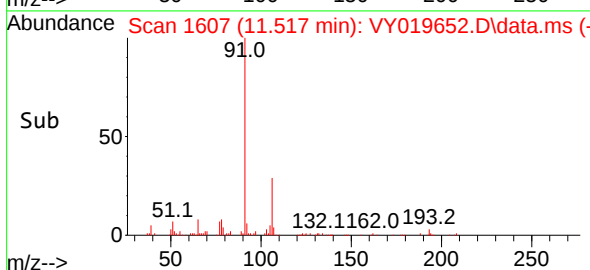
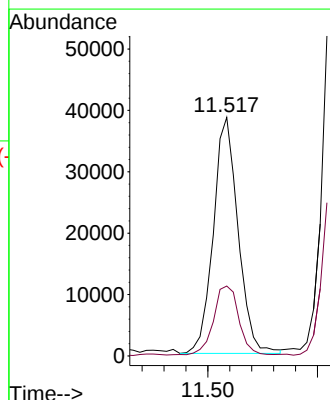
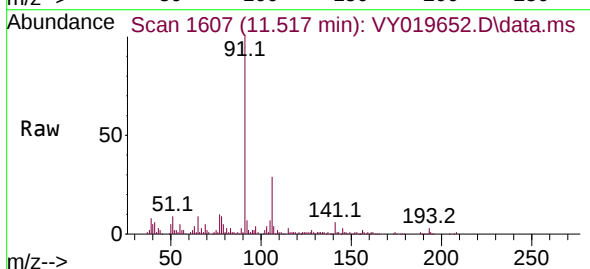
Acq: 20 Sep 2024 17:43

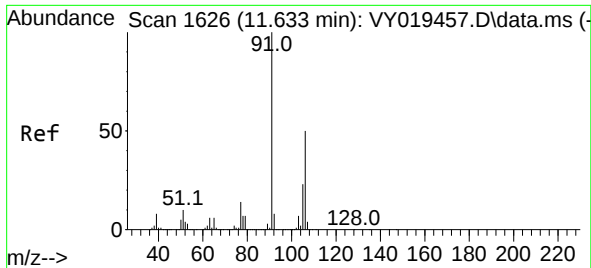
Tgt Ion: 91 Resp: 60282

Ion Ratio Lower Upper

91 100

106 29.1 24.5 36.7

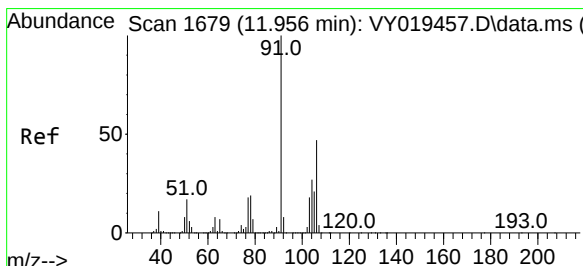
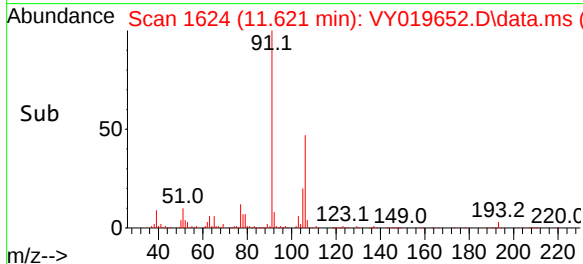
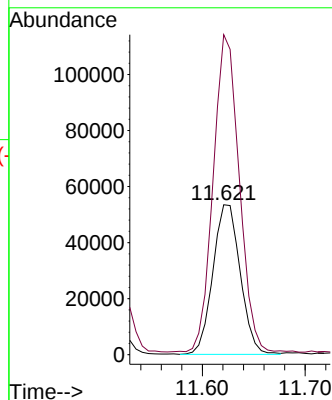
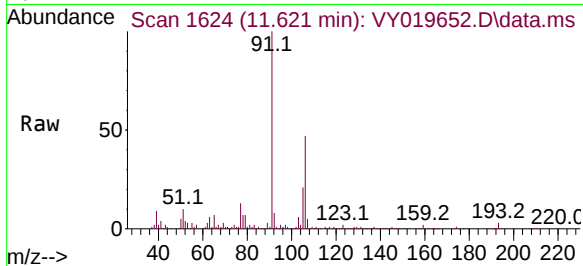




#68
m/p-Xylenes
Concen: 10.839 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

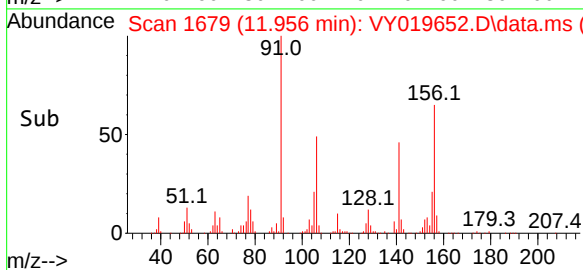
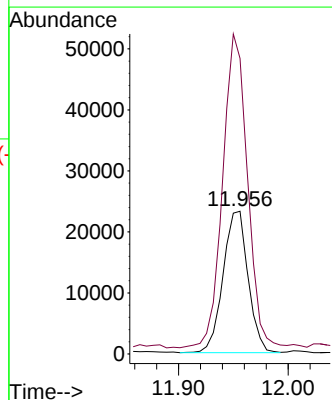
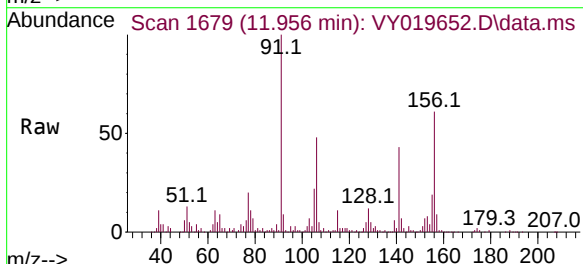
Instrument :
MSVOA_Y
ClientSampleId :

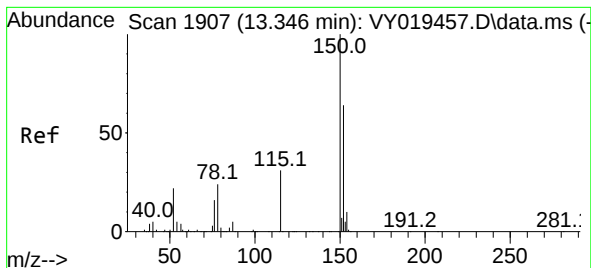
Tgt Ion:106 Resp: 98541
Ion Ratio Lower Upper
106 100
91 203.3 156.0 234.0



#69
o-Xylene
Concen: 4.126 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Tgt Ion:106 Resp: 36683
Ion Ratio Lower Upper
106 100
91 220.4 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

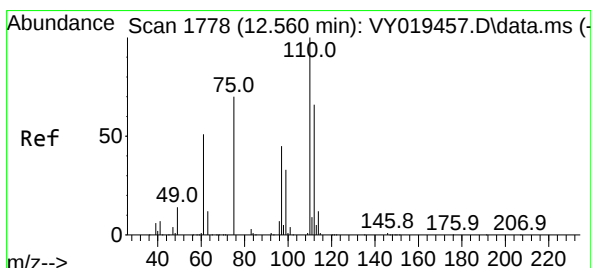
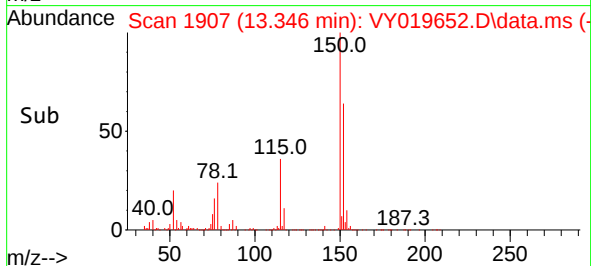
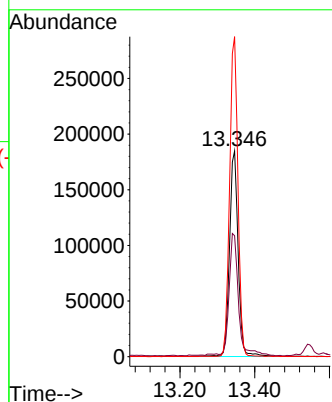
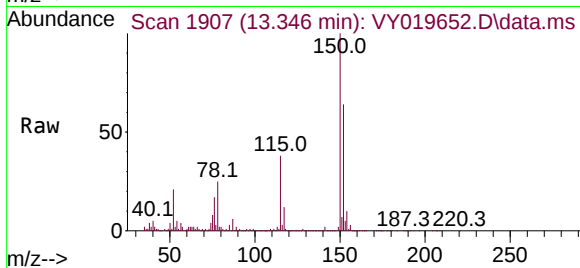
Tgt Ion:152 Resp: 296811

Ion Ratio Lower Upper

152 100

115 63.9 28.2 84.7

150 149.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 1.829 ug/l

RT: 12.566 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VY019652.D

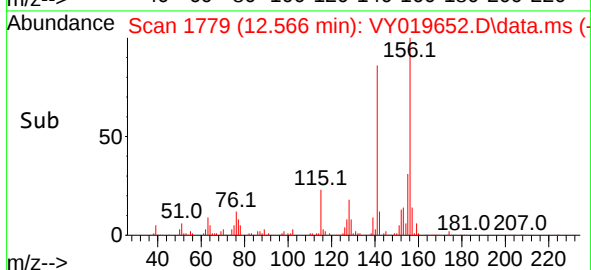
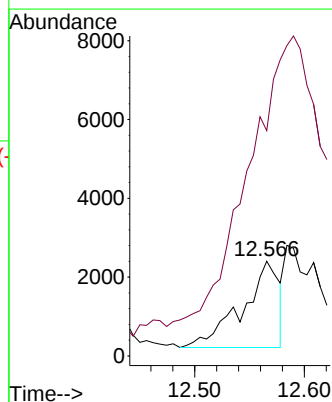
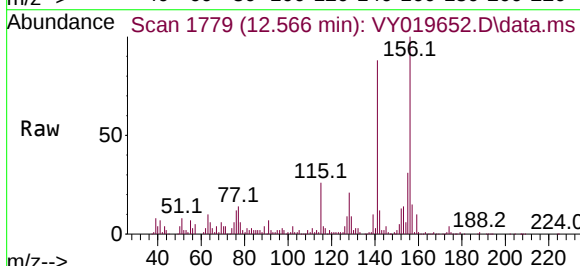
Acq: 20 Sep 2024 17:43

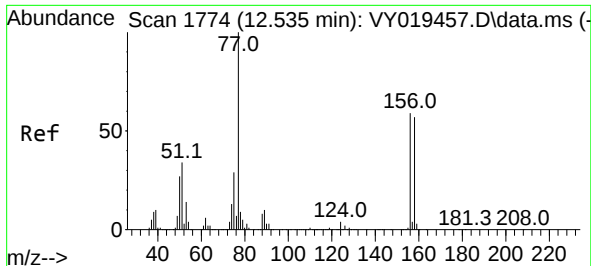
Tgt Ion: 75 Resp: 5089

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

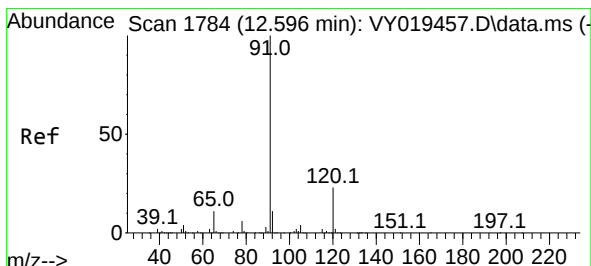
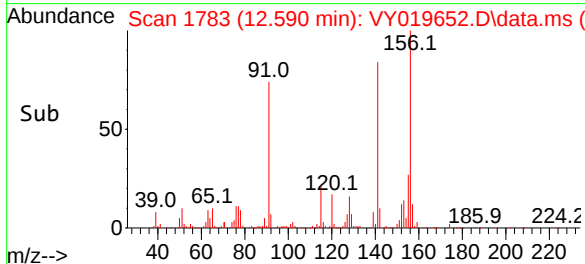
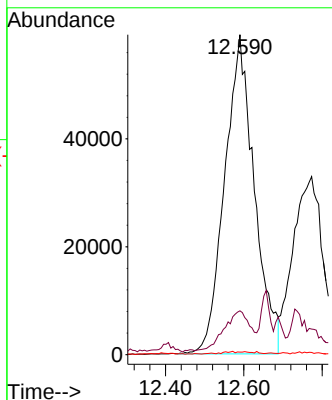
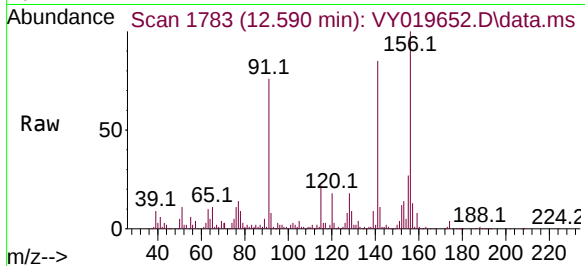




#77
Bromobenzene
Concen: 65.005 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.055 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

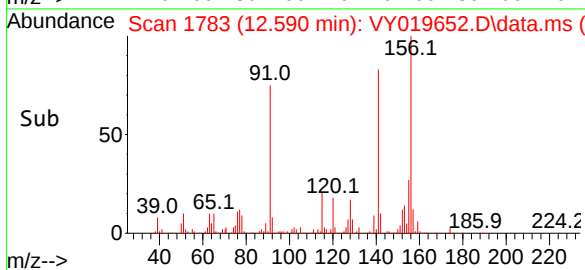
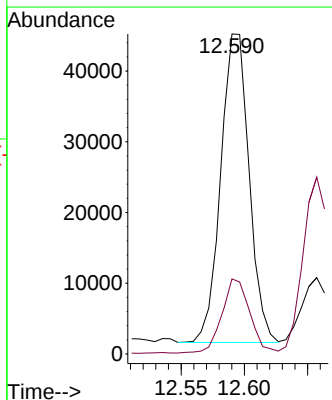
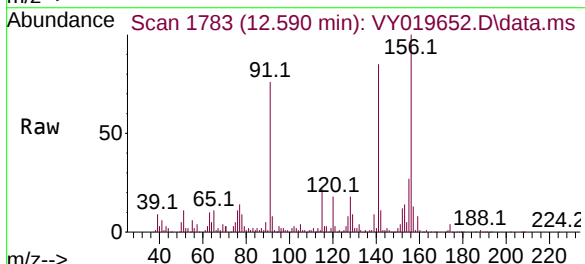
Instrument :
MSVOA_Y
ClientSampleId :

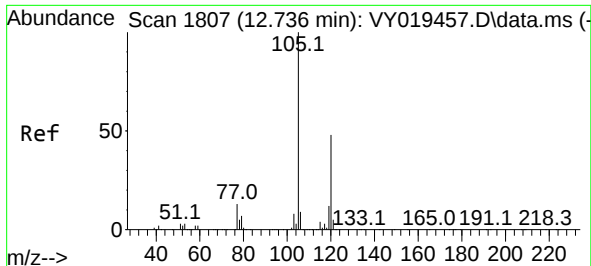
Tgt Ion:156 Resp: 310442
Ion Ratio Lower Upper
156 100
77 10.9 87.1 261.3#
158 0.2 48.6 145.9#



#78
n-propylbenzene
Concen: 2.664 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Tgt Ion: 91 Resp: 67984
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4

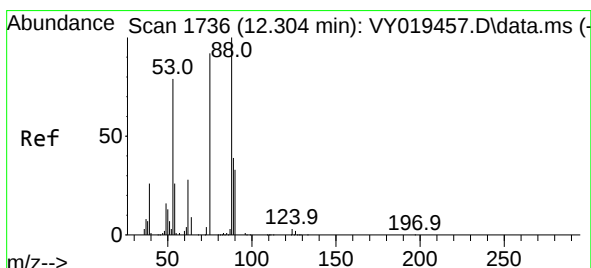
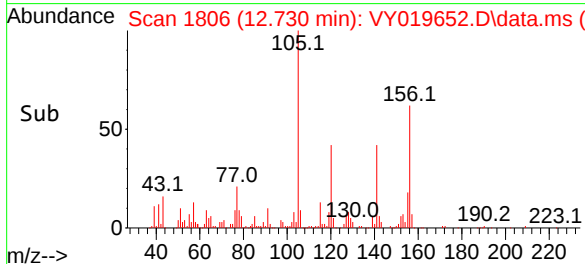
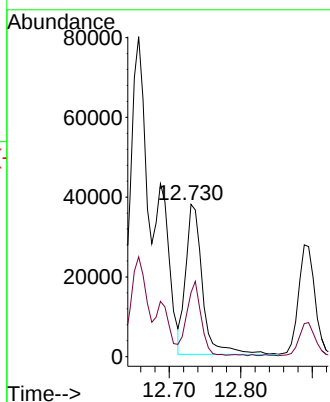
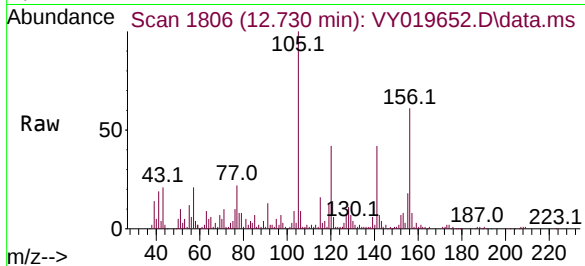




#80
 1,3,5-Trimethylbenzene
 Concen: 3.502 ug/l
 RT: 12.730 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: VY019652.D
 Acq: 20 Sep 2024 17:43

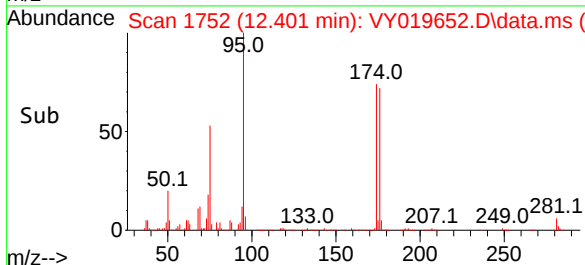
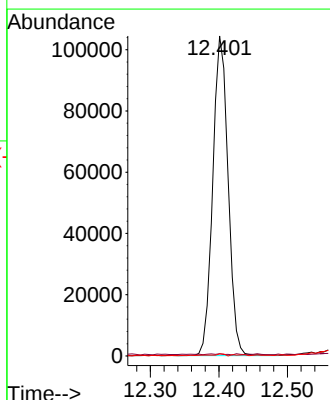
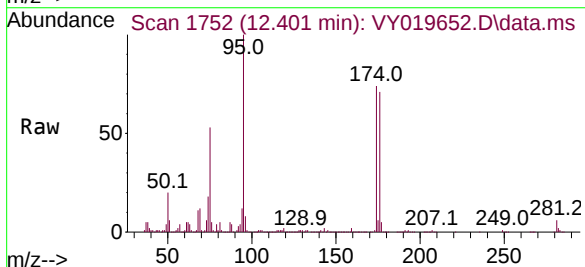
Instrument :
 MSVOA_Y
 ClientSampleId :

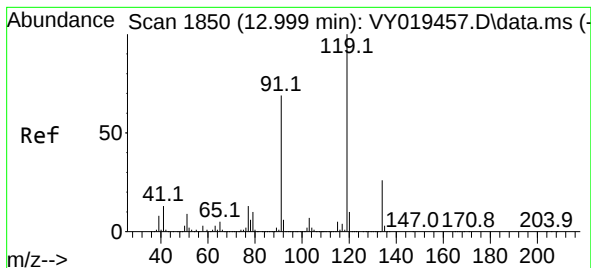
Tgt Ion:105 Resp: 61298
 Ion Ratio Lower Upper
 105 100
 120 41.4 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.717 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY019652.D
 Acq: 20 Sep 2024 17:43

Tgt Ion: 75 Resp: 161897
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.8 100.2#
 89 0.8 35.8 53.6#





#83

tert-Butylbenzene

Concen: 1.572 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.043 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

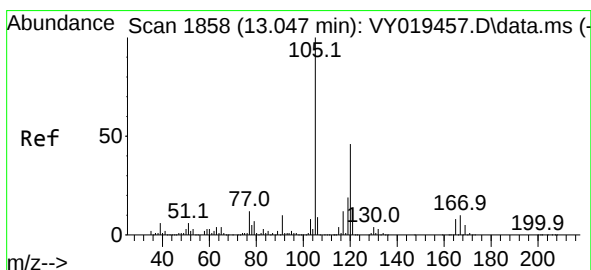
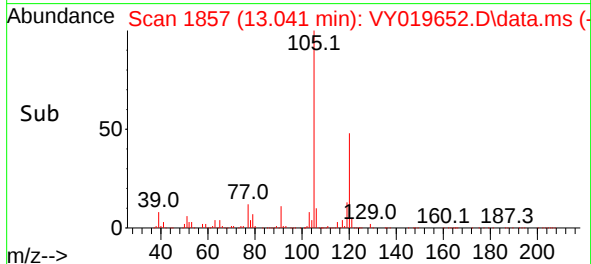
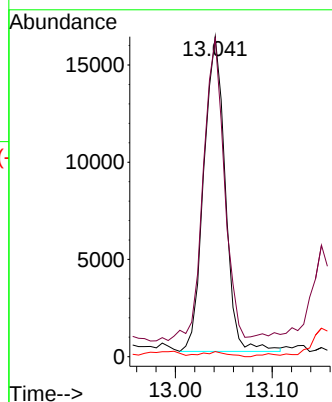
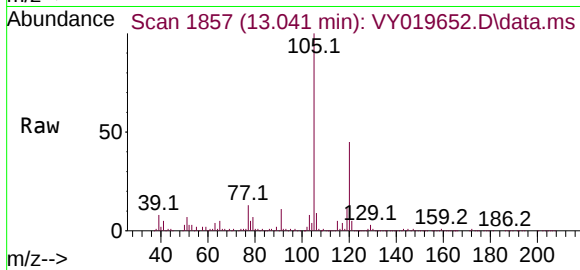
Tgt Ion:119 Resp: 24907

Ion Ratio Lower Upper

119 100

91 95.5 31.3 93.8#

134 1.6 13.4 40.1#



#84

1,2,4-Trimethylbenzene

Concen: 12.235 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019652.D

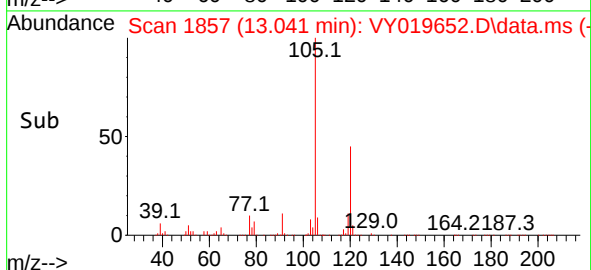
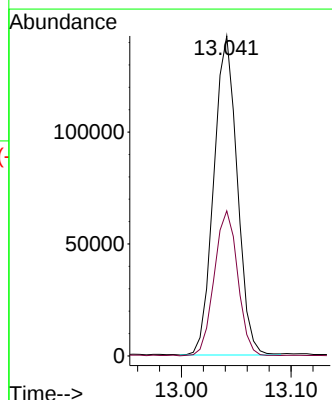
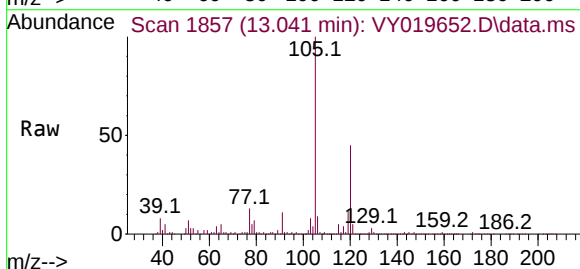
Acq: 20 Sep 2024 17:43

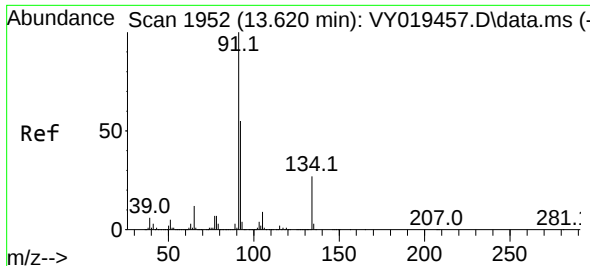
Tgt Ion:105 Resp: 212011

Ion Ratio Lower Upper

105 100

120 45.4 23.2 69.6





#89

n-Butylbenzene

Concen: 1.678 ug/l

RT: 13.614 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019652.D

Acq: 20 Sep 2024 17:43

Instrument :

MSVOA_Y

ClientSampleId :

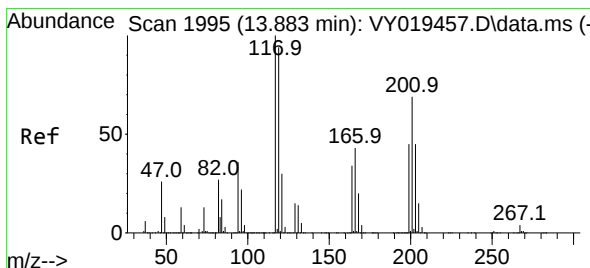
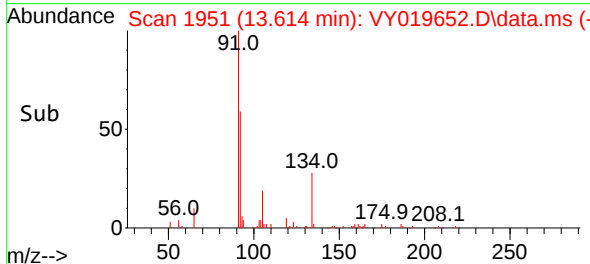
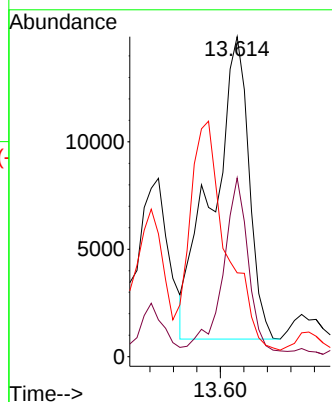
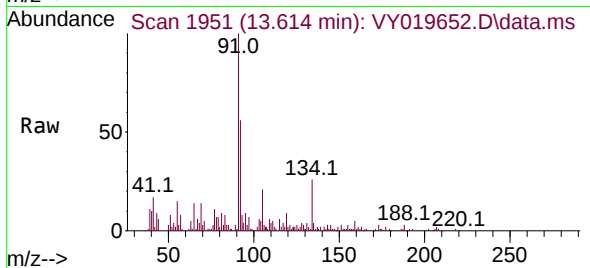
Tgt Ion: 91 Resp: 30208

Ion Ratio Lower Upper

91 100

92 39.5 26.6 79.7

134 0.0 12.9 38.7#



#90

Hexachloroethane

Concen: 2.017 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. 0.006 min

Lab File: VY019652.D

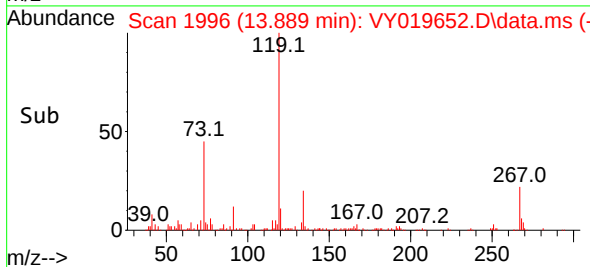
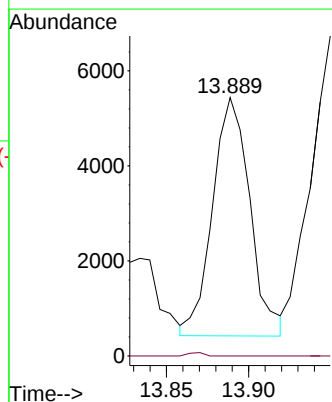
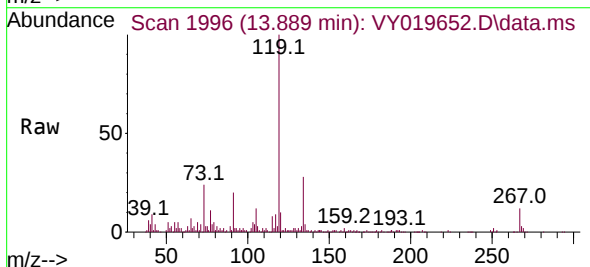
Acq: 20 Sep 2024 17:43

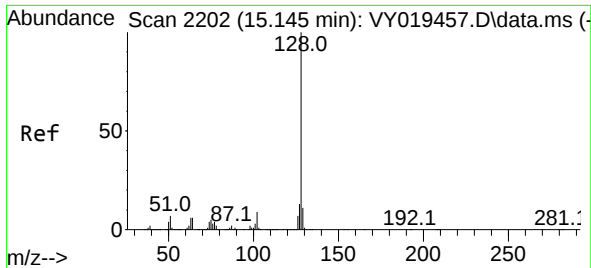
Tgt Ion: 117 Resp: 7906

Ion Ratio Lower Upper

117 100

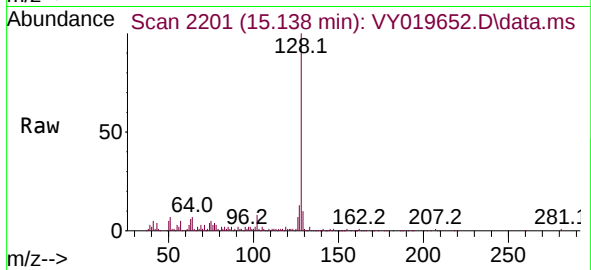
201 0.6 37.4 112.2#





#95
Naphthalene
Concen: 10.441 ug/l
RT: 15.138 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY019652.D
Acq: 20 Sep 2024 17:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 105309
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.4 8.6 13.0

