

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
 Data File : VY020395.D
 Acq On : 21 Nov 2024 18:27
 Operator : SY/MD
 Sample : P4892-01
 Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WB-310-TOP

Quant Time: Nov 22 02:44:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

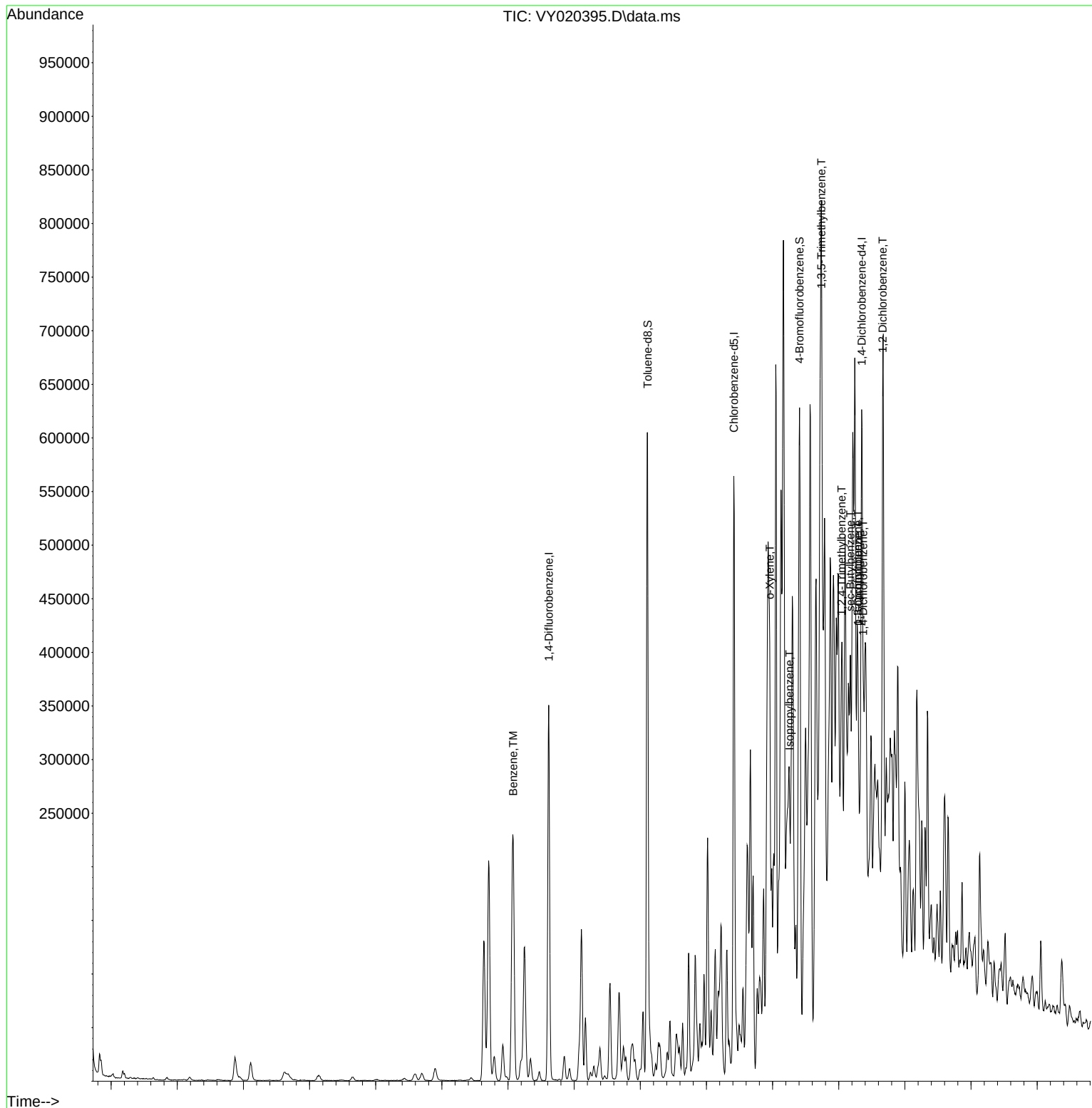
Internal Standards						
1) Pentafluorobenzene	7.713	168	144486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	273380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	113213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101220	60.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.960%
35) Dibromofluoromethane	7.634	113	91753	50.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.109	98	348748	48.948	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.408	95	134960	58.924	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	117.840%
Target Compounds						Qvalue
16) Acetone	3.873	43	40045	100.630	ug/l	99
17) Carbon Disulfide	4.110	76	33718	6.350	ug/l	99
25) 2-Butanone	6.903	43	18255	35.633	ug/l	95
39) Methylcyclohexane	9.103	83	43848	12.682	ug/l	89
40) Benzene	8.079	78	161482	19.946	ug/l	99
52) Toluene	10.170	92	8356	1.689	ug/l	99
65) Chlorobenzene	11.438	112	9046	1.484	ug/l	95
67) Ethyl Benzene	11.518	91	12363	1.099	ug/l	98
68) m/p-Xylenes	11.627	106	41068	10.139	ug/l	94
69) o-Xylene	11.957	106	58317	15.179	ug/l	97
73) Isopropylbenzene	12.255	105	12934	1.349	ug/l	99
78) n-propylbenzene	12.597	91	14898	1.294	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	44208	5.704	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	72471	9.431	ug/l	99
85) sec-Butylbenzene	13.176	105	13719	1.272	ug/l #	58
86) p-Isopropyltoluene	13.292	119	20601	2.471	ug/l	93
87) 1,3-Dichlorobenzene	13.292	146	21351	5.255	ug/l #	35
88) 1,4-Dichlorobenzene	13.371	146	20934	5.393	ug/l #	32
89) n-Butylbenzene	13.621	91	11336	1.420	ug/l #	80
91) 1,2-Dichlorobenzene	13.664	146	6405	1.892	ug/l #	19

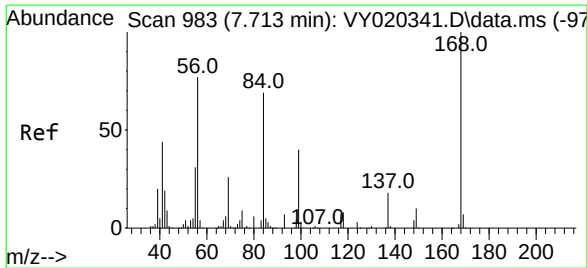
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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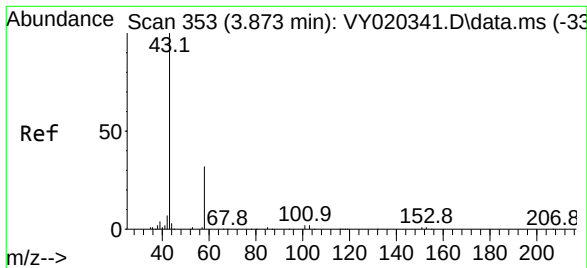
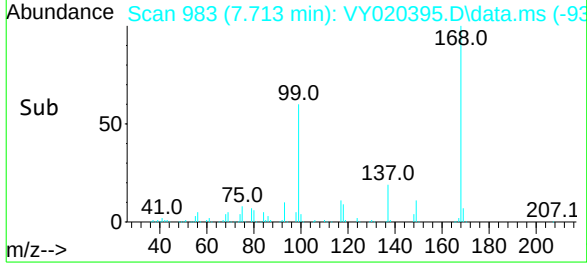
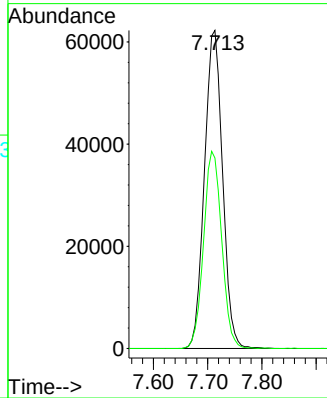
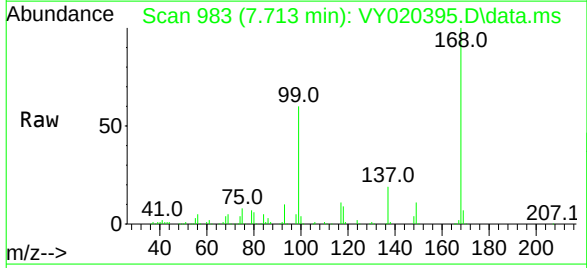




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

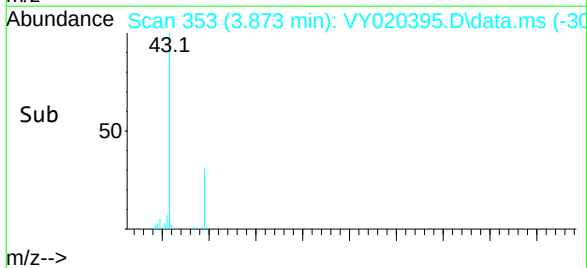
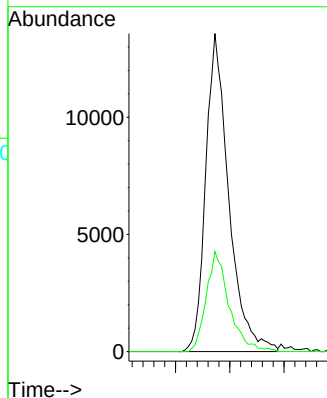
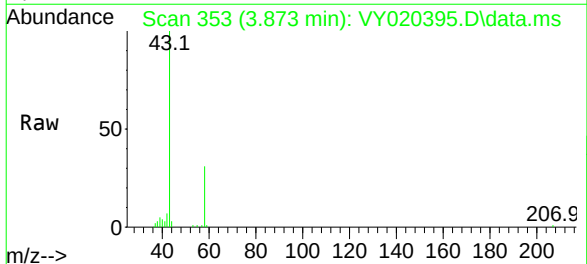
Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

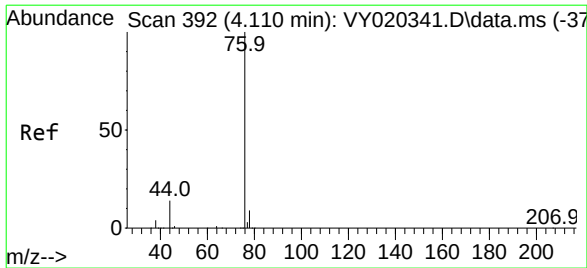
Tgt Ion:168 Resp: 144486
Ion Ratio Lower Upper
168 100
99 59.9 46.6 69.8



#16
Acetone
Concen: 100.630 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 43 Resp: 40045
Ion Ratio Lower Upper
43 100
58 31.5 25.7 38.5

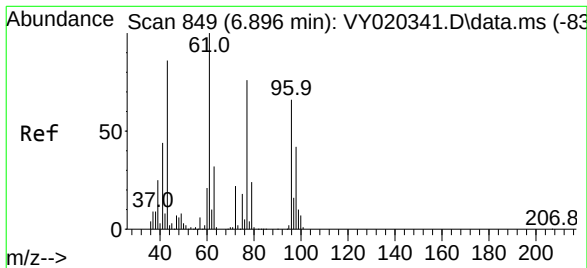
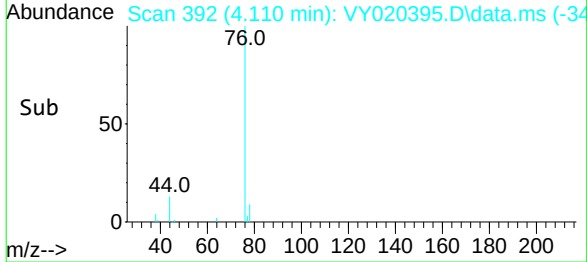
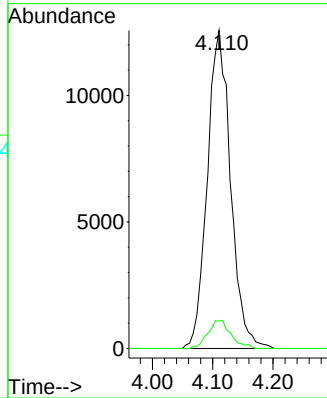
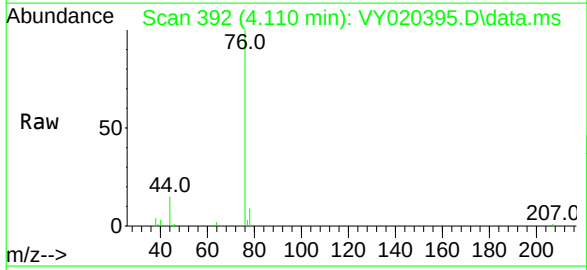




#17
Carbon Disulfide
Concen: 6.350 ug/l
RT: 4.110 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

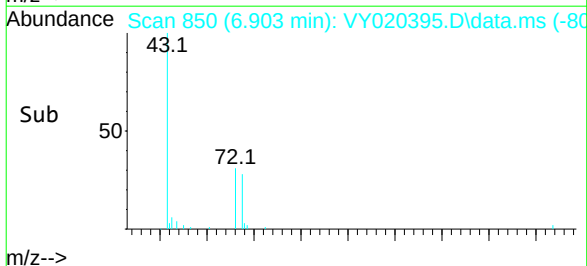
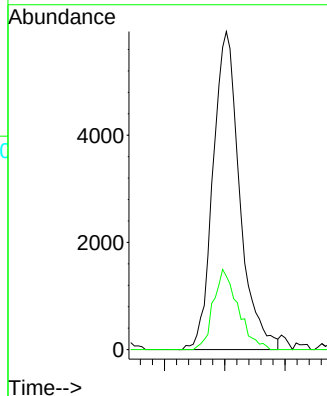
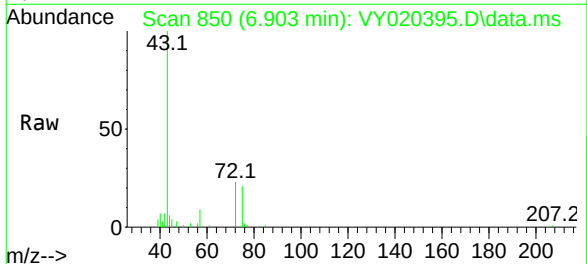
Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

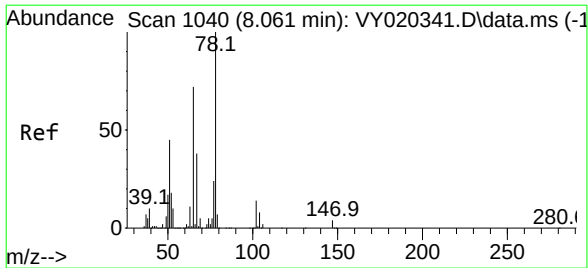
Tgt Ion: 76 Resp: 33718
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#25
2-Butanone
Concen: 35.633 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 43 Resp: 18255
Ion Ratio Lower Upper
43 100
72 23.0 20.4 30.6

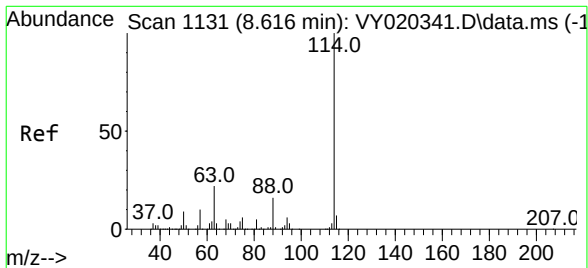
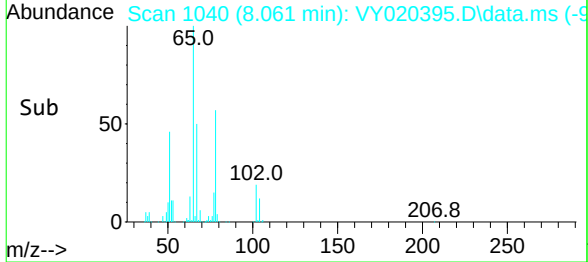
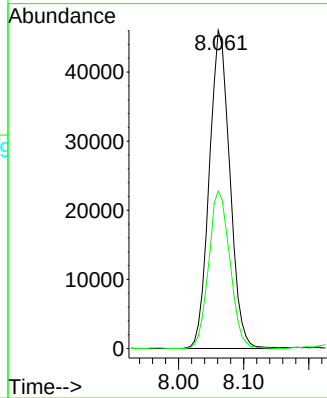
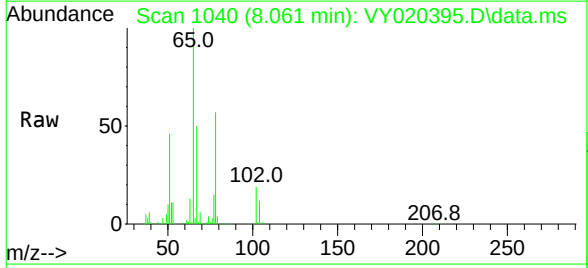




#33
1,2-Dichloroethane-d4
Concen: 60.977 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

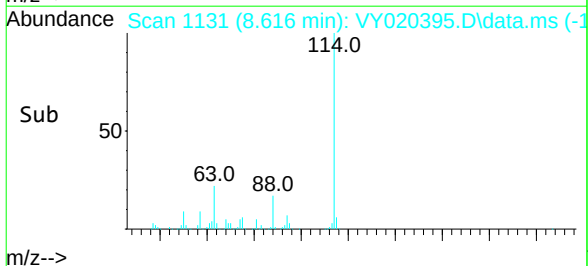
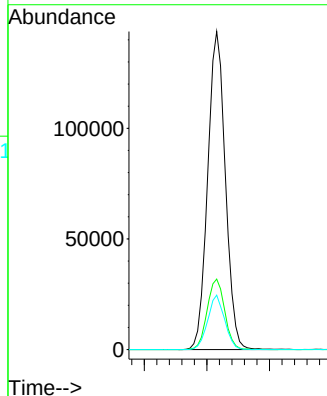
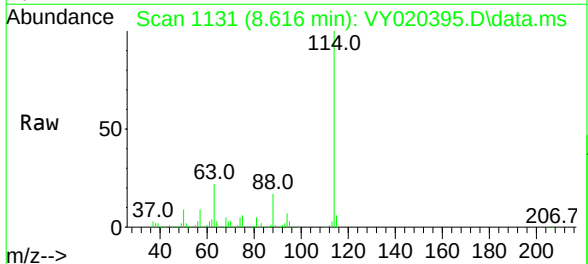
Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

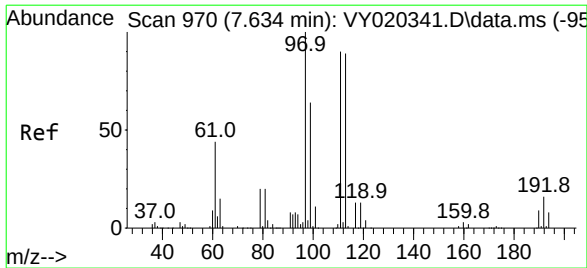
Tgt Ion: 65 Resp: 101220
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

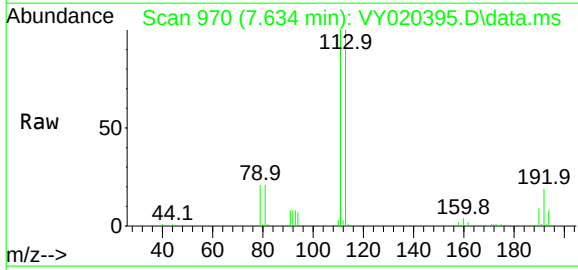
Tgt Ion: 114 Resp: 282070
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.8
88 17.1 0.0 32.0



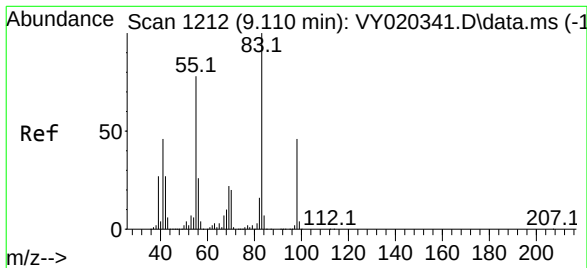
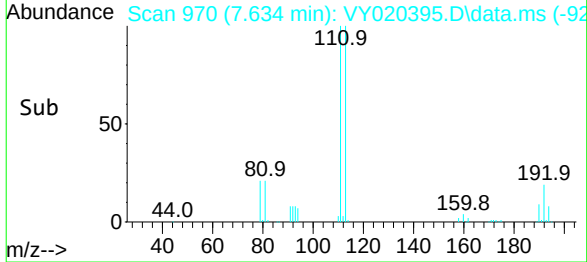
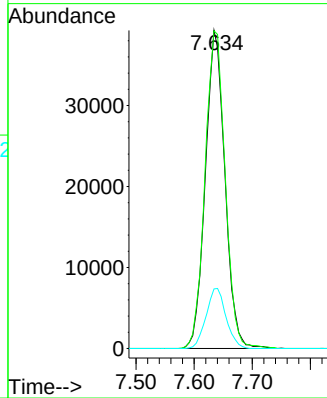


#35
Dibromofluoromethane
Concen: 50.728 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

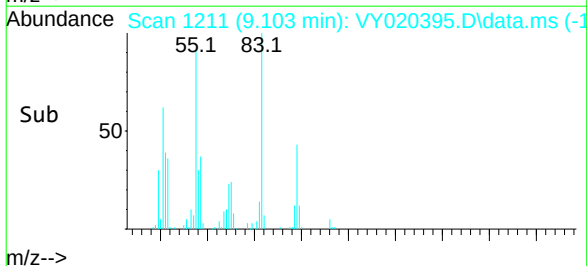
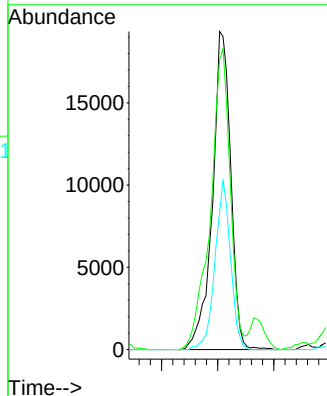
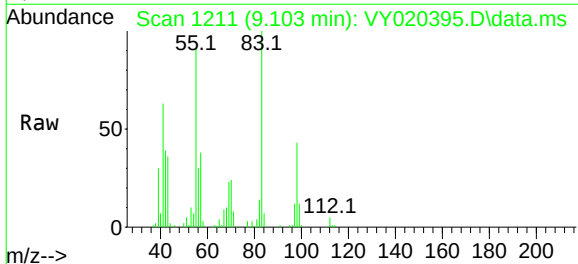


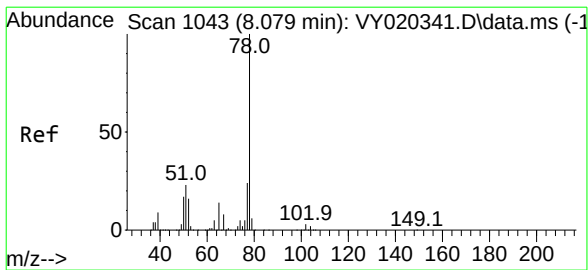
Tgt Ion:113 Resp: 91753
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 19.2 15.1 22.7



#39
Methylcyclohexane
Concen: 12.682 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 83 Resp: 43848
Ion Ratio Lower Upper
83 100
55 91.1 62.6 93.8
98 43.3 37.0 55.4





#40

Benzene

Concen: 19.946 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

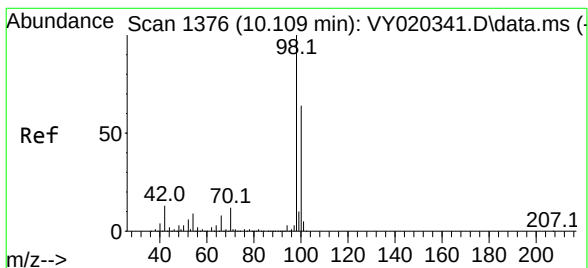
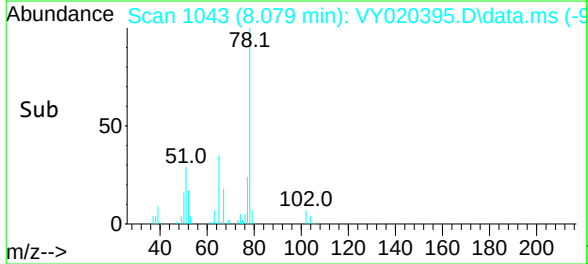
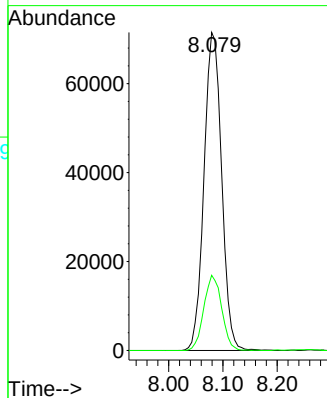
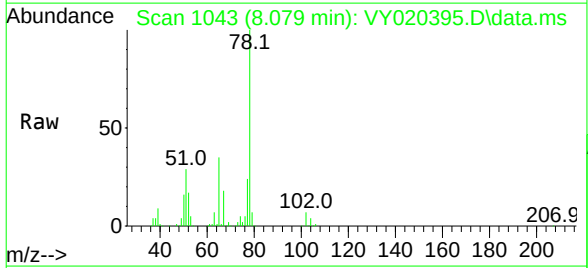
WB-310-TOP

Tgt Ion: 78 Resp: 161482

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0



#50

Toluene-d8

Concen: 48.948 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020395.D

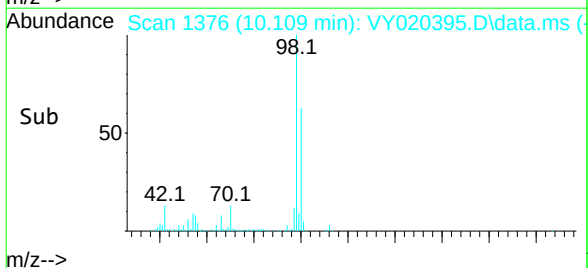
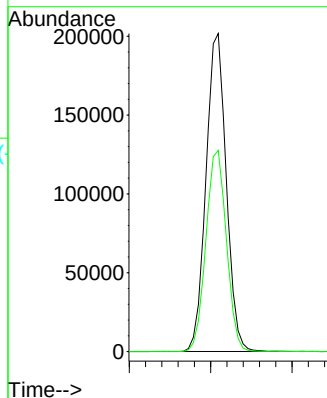
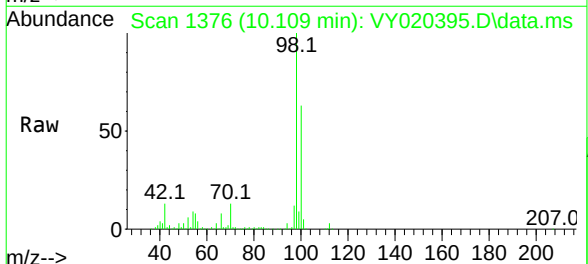
Acq: 21 Nov 2024 18:27

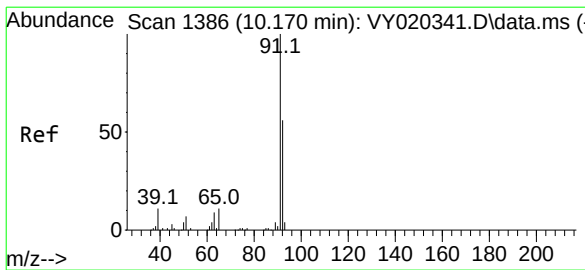
Tgt Ion: 98 Resp: 348748

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9





#52

Toluene

Concen: 1.689 ug/l

RT: 10.170 min Scan# 13

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

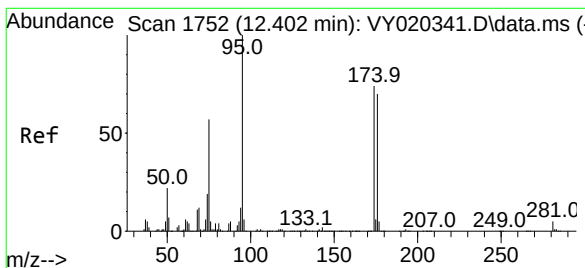
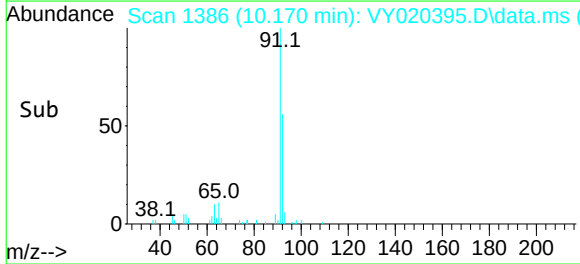
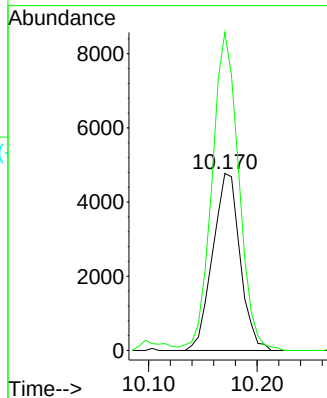
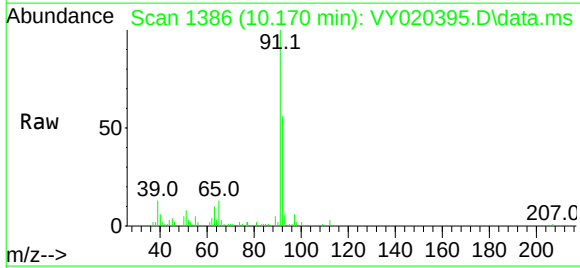
WB-310-TOP

Tgt Ion: 92 Resp: 8356

Ion Ratio Lower Upper

92 100

91 176.1 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 58.924 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

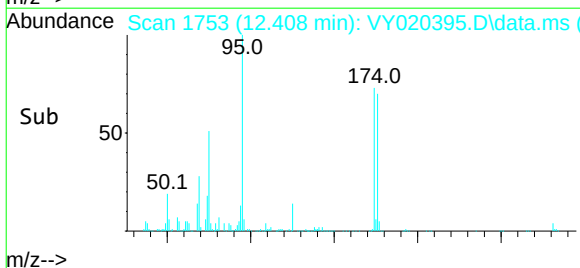
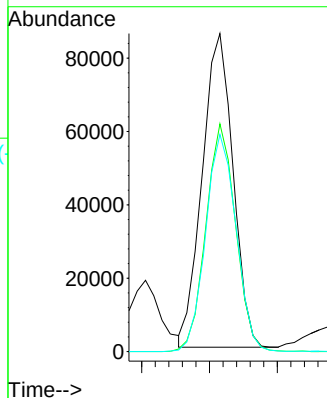
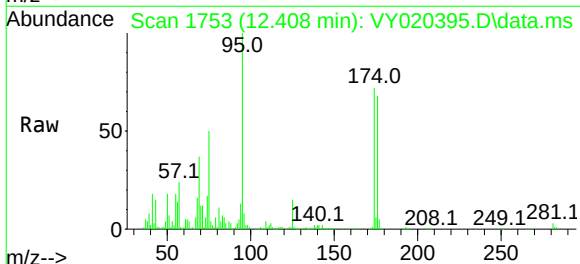
Tgt Ion: 95 Resp: 134960

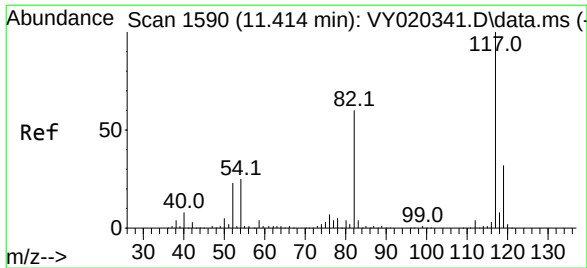
Ion Ratio Lower Upper

95 100

174 70.2 0.0 156.8

176 68.6 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

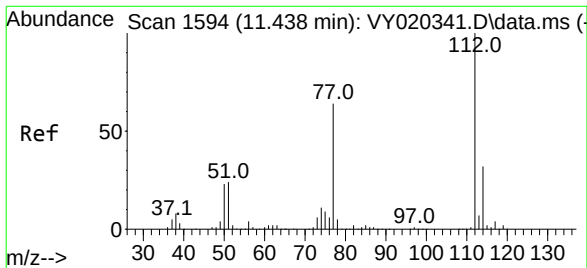
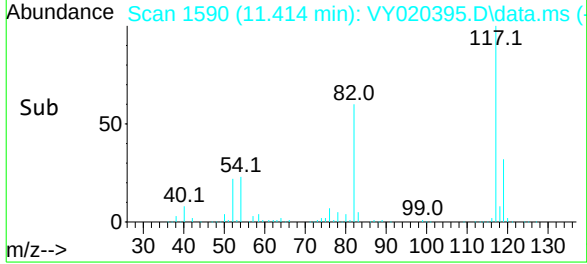
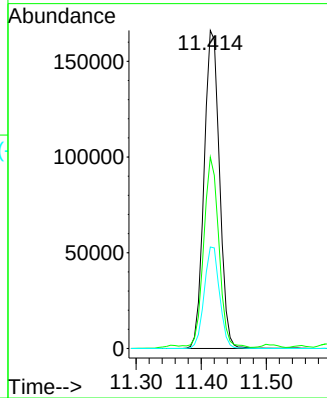
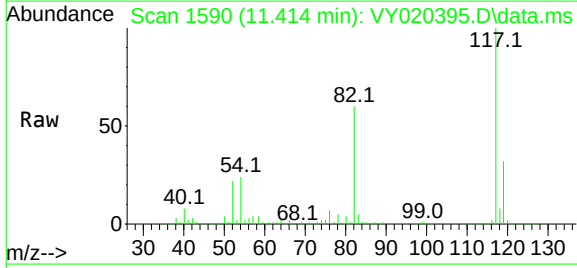
Instrument :

MSVOA_Y

ClientSampleId :

WB-310-TOP

Tgt Ion:	117	Resp:	273380
Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.2	72.4
119	31.9	25.8	38.8



#65

Chlorobenzene

Concen: 1.484 ug/l

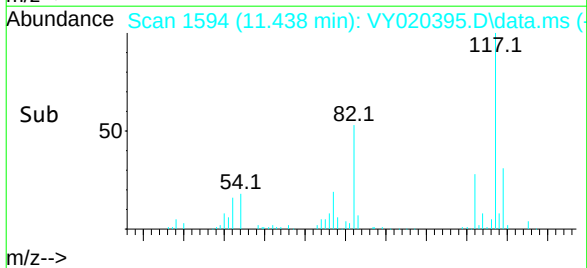
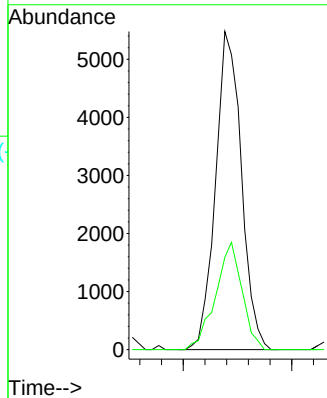
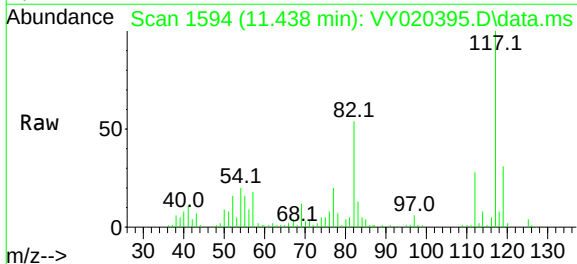
RT: 11.438 min Scan# 1594

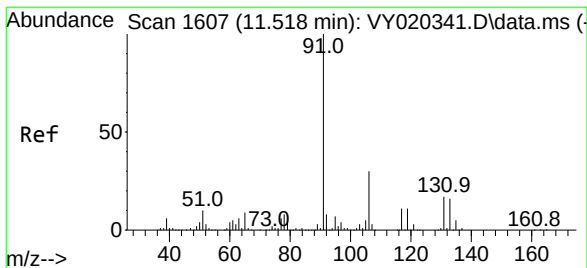
Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Tgt Ion:	112	Resp:	9046
Ion	Ratio	Lower	Upper
112	100		
114	29.0	25.7	38.5





#67

Ethyl Benzene

Concen: 1.099 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

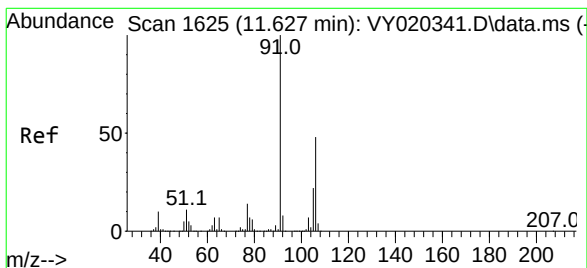
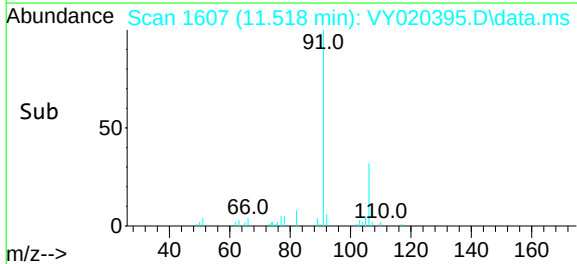
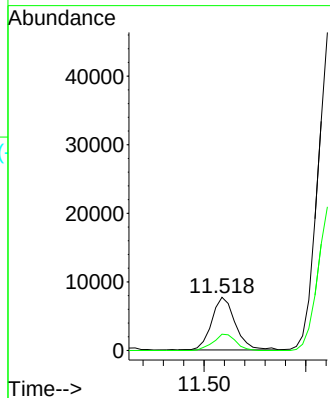
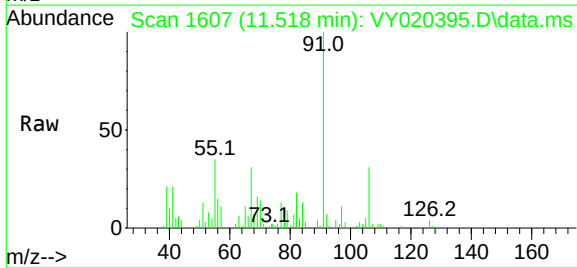
WB-310-TOP

Tgt Ion: 91 Resp: 12363

Ion Ratio Lower Upper

91 100

106 30.9 23.9 35.9



#68

m/p-Xylenes

Concen: 10.139 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY020395.D

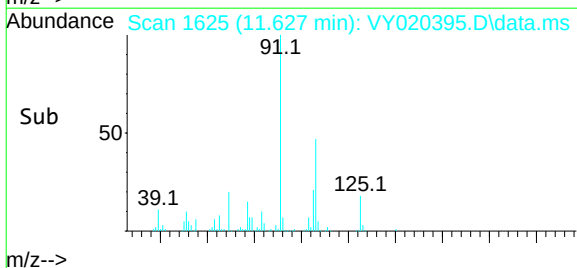
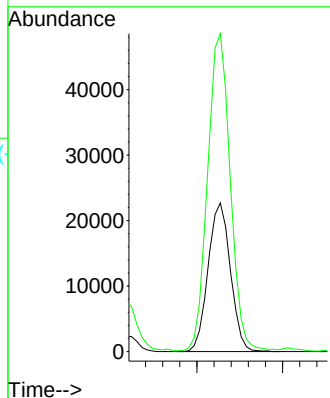
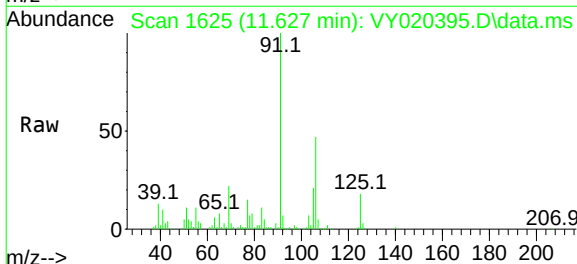
Acq: 21 Nov 2024 18:27

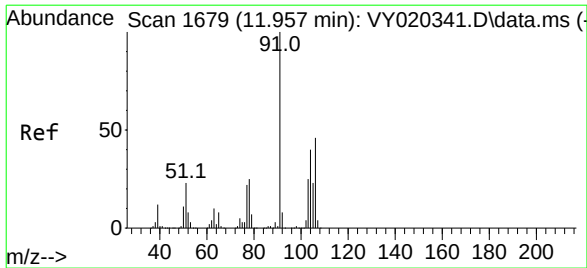
Tgt Ion:106 Resp: 41068

Ion Ratio Lower Upper

106 100

91 216.3 166.0 249.0





#69

o-Xylene

Concen: 15.179 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

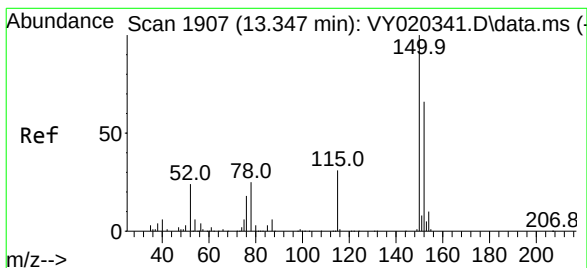
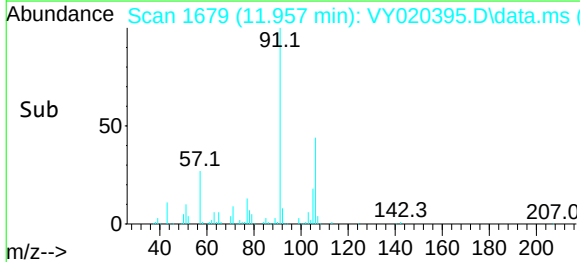
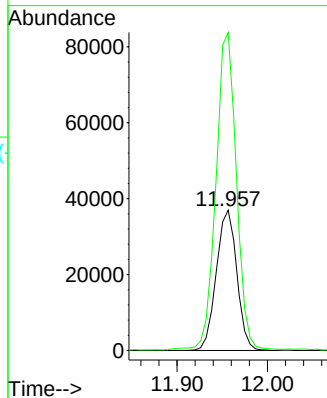
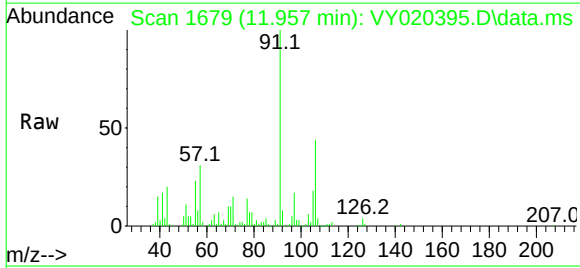
WB-310-TOP

Tgt Ion:106 Resp: 58317

Ion Ratio Lower Upper

106 100

91 225.4 110.0 330.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

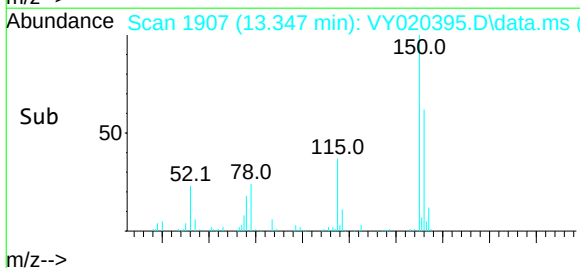
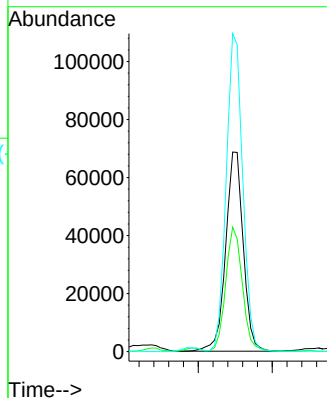
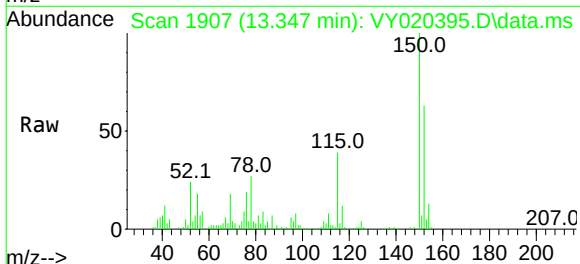
Tgt Ion:152 Resp: 113213

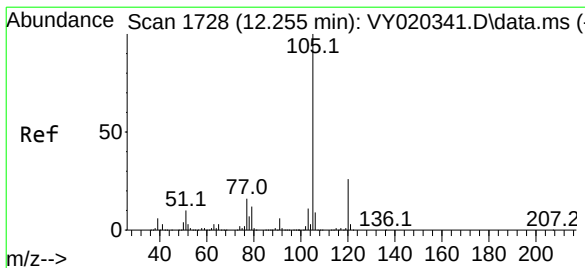
Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 149.9 0.0 348.2





#73

Isopropylbenzene

Concen: 1.349 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

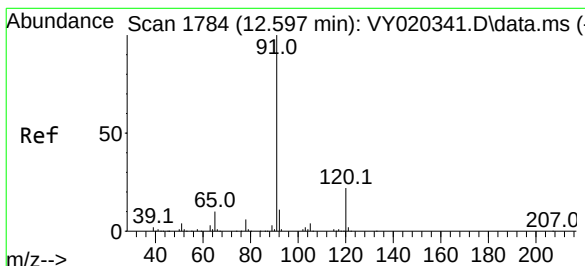
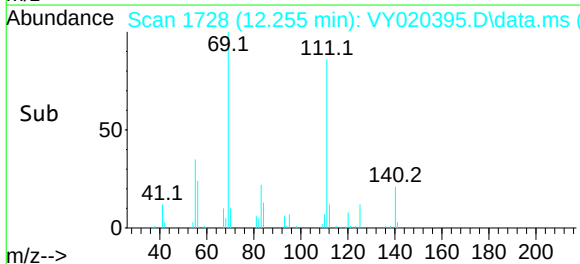
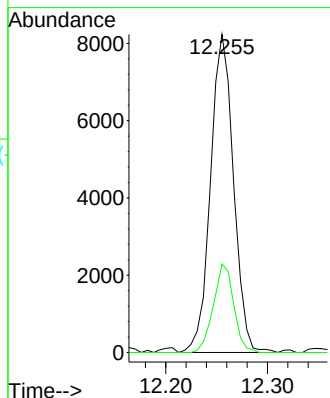
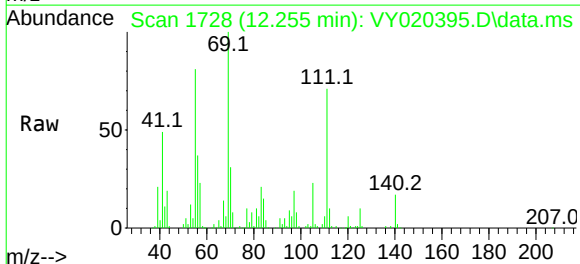
WB-310-TOP

Tgt Ion:105 Resp: 12934

Ion Ratio Lower Upper

105 100

120 24.7 12.7 38.1



#78

n-propylbenzene

Concen: 1.294 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY020395.D

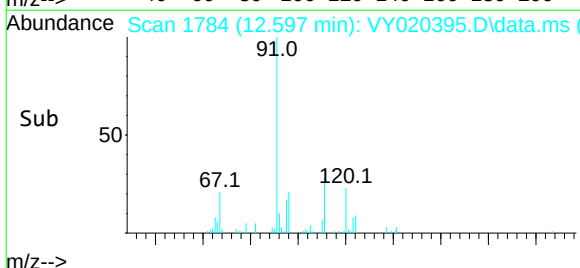
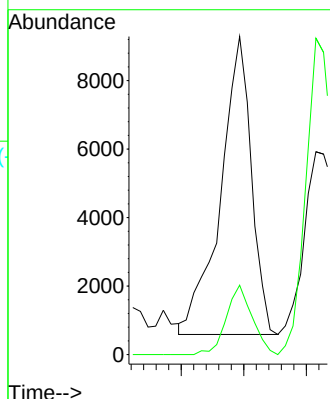
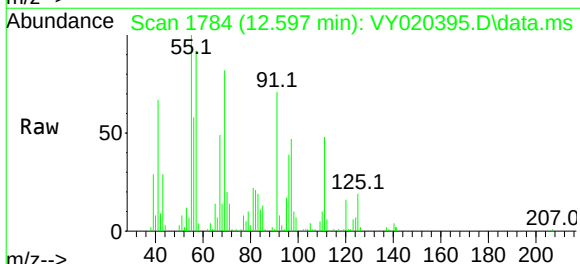
Acq: 21 Nov 2024 18:27

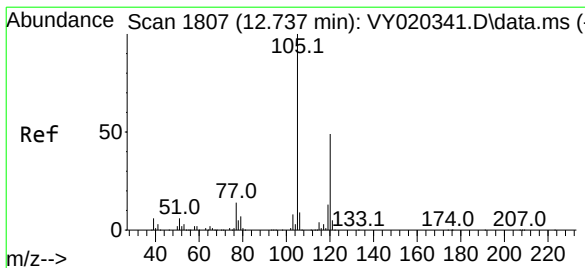
Tgt Ion: 91 Resp: 14898

Ion Ratio Lower Upper

91 100

120 19.6 10.9 32.6





#80

1,3,5-Trimethylbenzene

Concen: 5.704 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

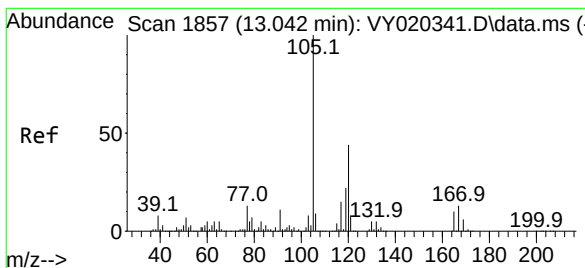
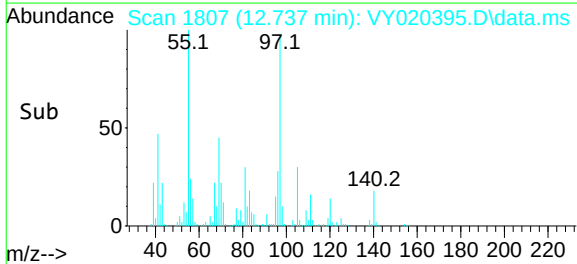
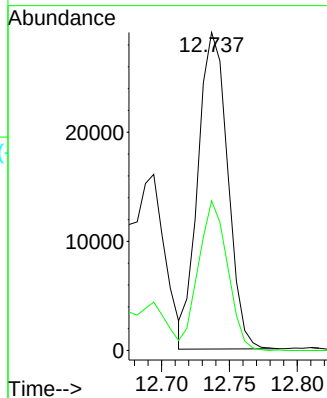
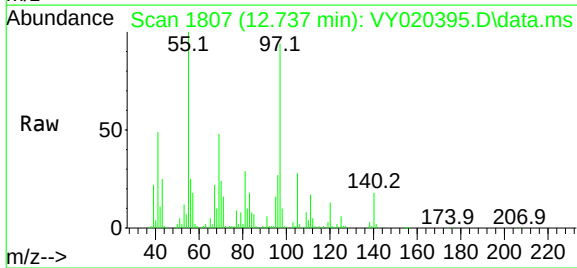
WB-310-TOP

Tgt Ion:105 Resp: 44208

Ion Ratio Lower Upper

105 100

120 46.3 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 9.431 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY020395.D

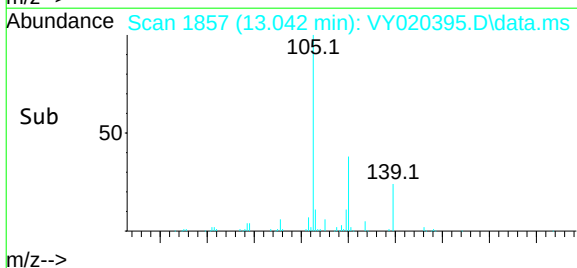
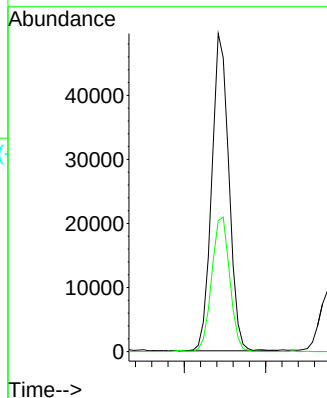
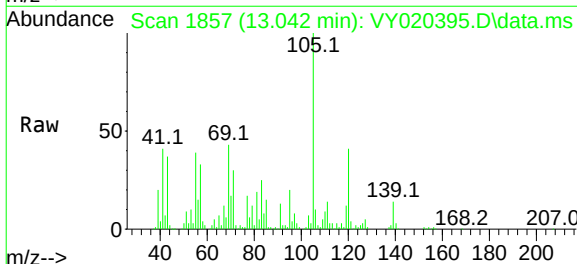
Acq: 21 Nov 2024 18:27

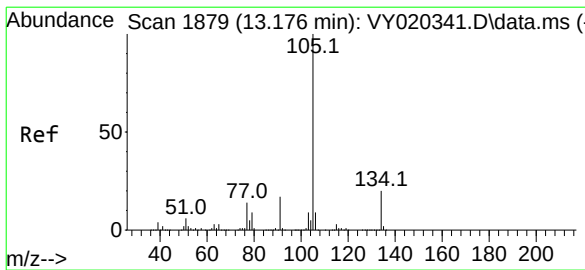
Tgt Ion:105 Resp: 72471

Ion Ratio Lower Upper

105 100

120 44.6 22.0 66.0

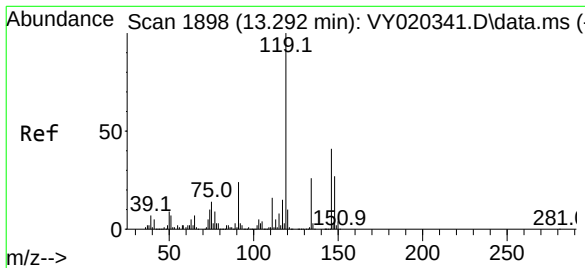
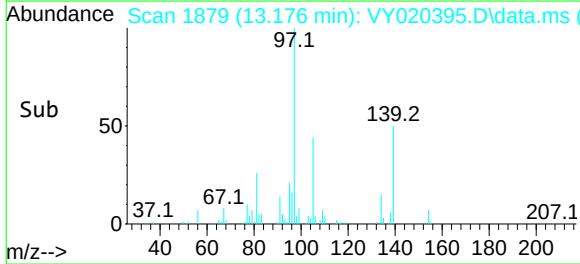
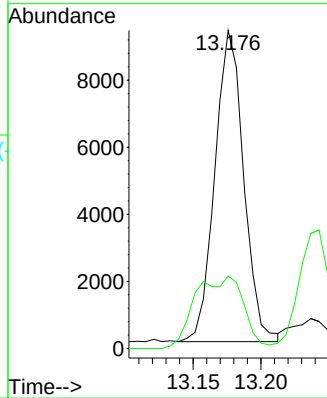
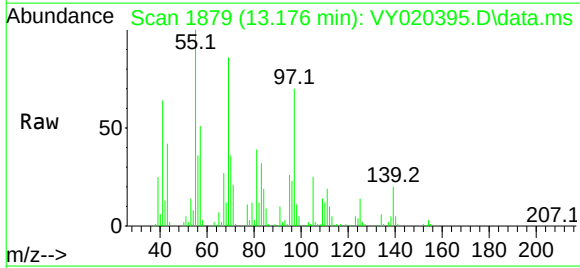




#85
sec-Butylbenzene
Concen: 1.272 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

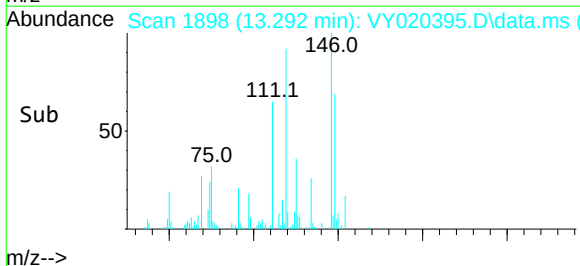
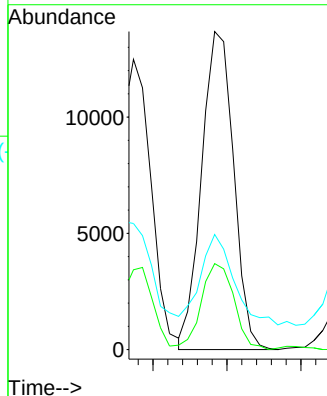
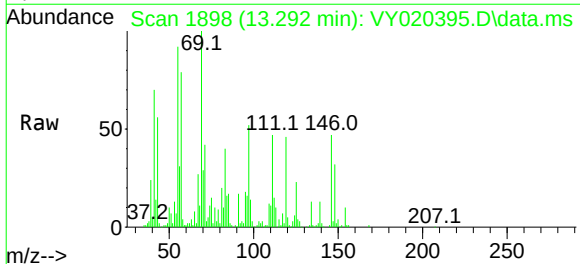
Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

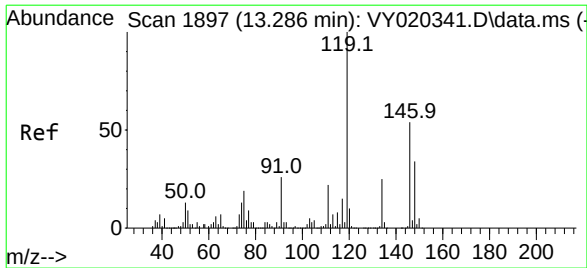
Tgt Ion:105 Resp: 13719
Ion Ratio Lower Upper
105 100
134 39.1 9.8 29.5#



#86
p-Isopropyltoluene
Concen: 2.471 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:119 Resp: 20601
Ion Ratio Lower Upper
119 100
134 27.4 12.8 38.4
91 30.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 5.255 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Instrument :

MSVOA_Y

ClientSampleId :

WB-310-TOP

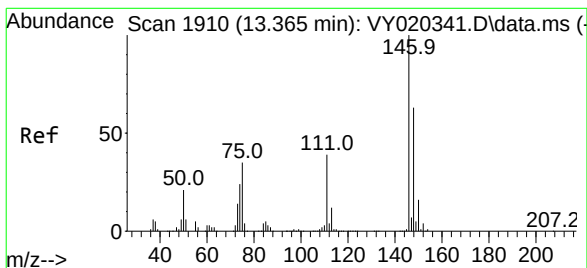
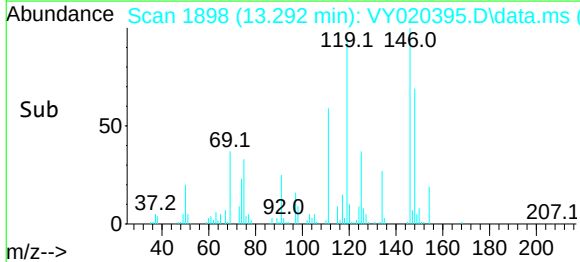
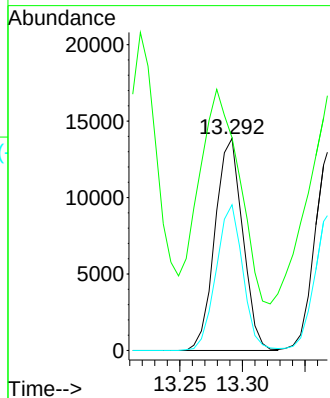
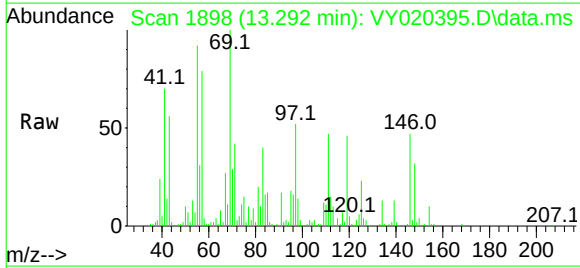
Tgt Ion:146 Resp: 21351

Ion Ratio Lower Upper

146 100

111 143.4 20.5 61.6#

148 66.3 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 5.393 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

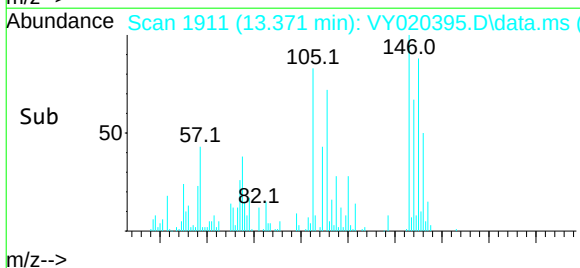
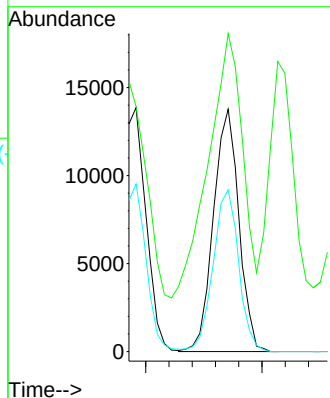
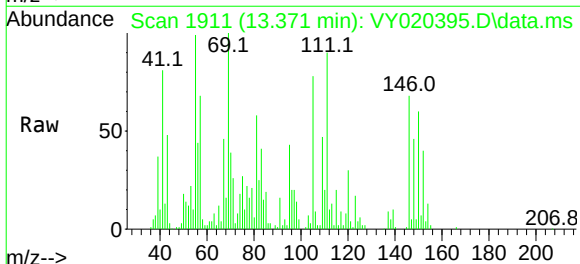
Tgt Ion:146 Resp: 20934

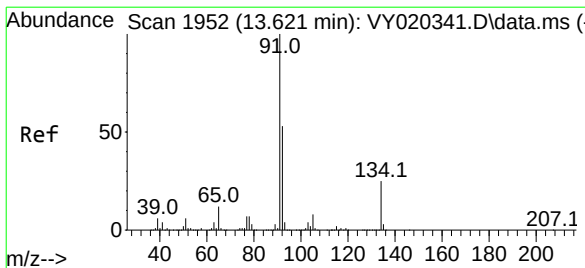
Ion Ratio Lower Upper

146 100

111 144.8 19.9 59.6#

148 67.2 32.0 96.2





#89

n-Butylbenzene

Concen: 1.420 ug/l

RT: 13.621 min Scan# 19

Delta R.T. -0.000 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

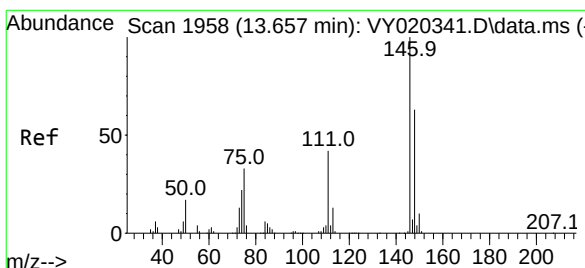
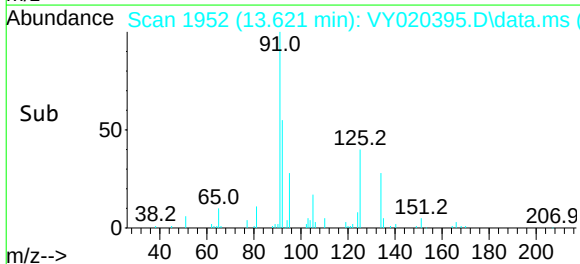
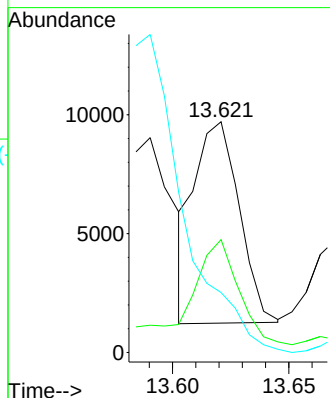
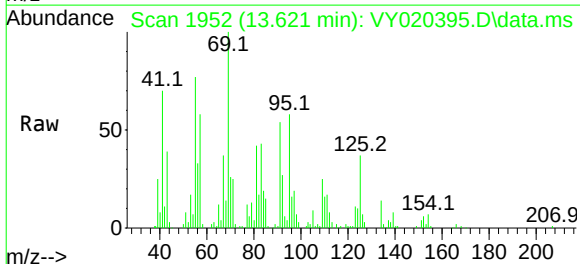
Instrument :

MSVOA_Y

ClientSampleId :

WB-310-TOP

Tgt Ion:	91	Resp:	11336
Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.5	79.5
134	0.0	12.2	36.4



#91

1,2-Dichlorobenzene

Concen: 1.892 ug/l

RT: 13.664 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VY020395.D

Acq: 21 Nov 2024 18:27

Tgt Ion:	146	Resp:	6405
Ion	Ratio	Lower	Upper
146	100		
111	166.8	20.8	62.5
148	66.9	31.8	95.4

