

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010542.D
 Acq On : 16 Sep 2022 18:01
 Operator : KP/MD
 Sample : N4630-21
 Misc : 3.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-5

Quant Time: Sep 17 00:30:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

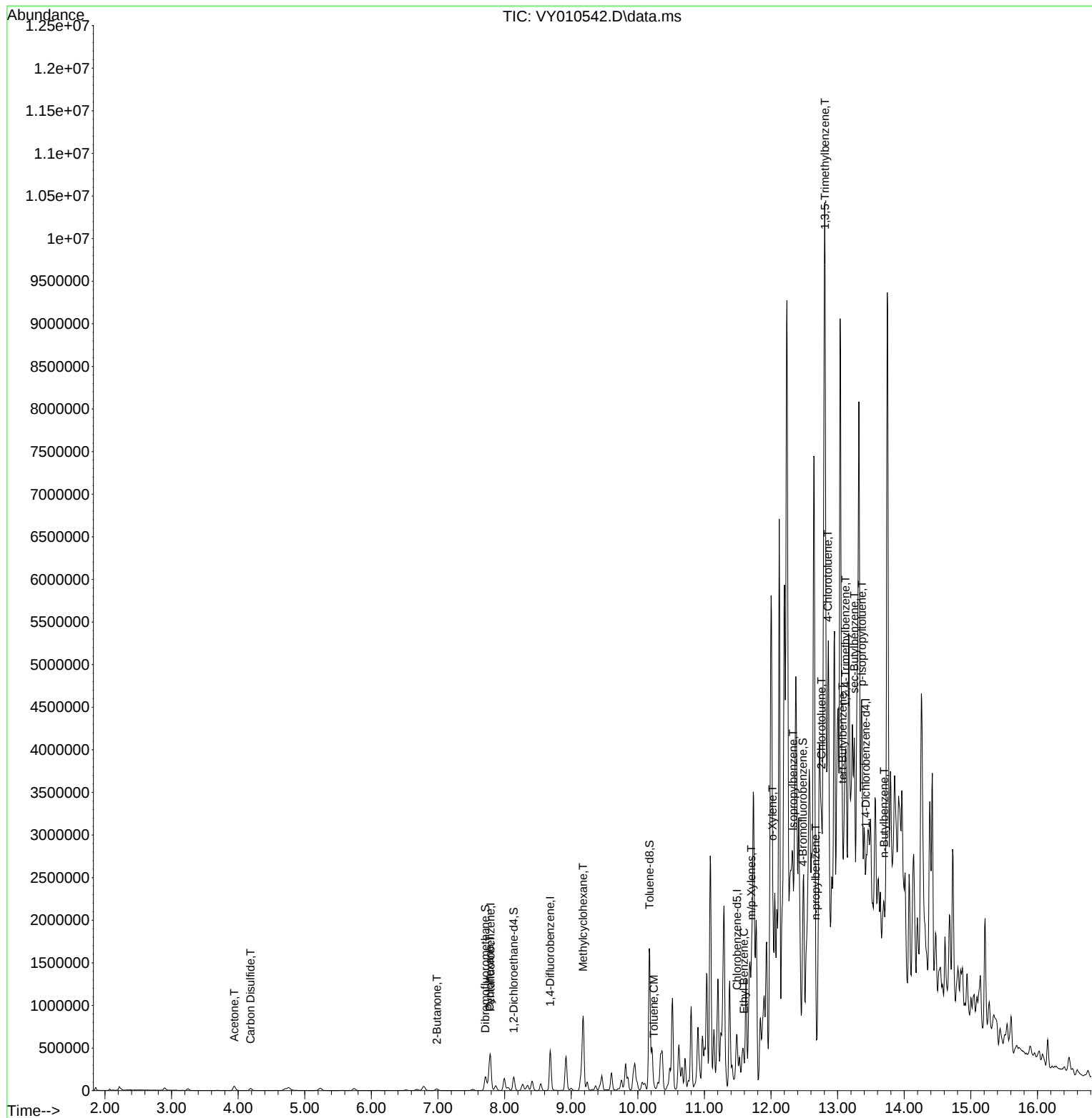
Internal Standards						
1) Pentafluorobenzene	7.789	168	257318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	403202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123248	47.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.120%
35) Dibromofluoromethane	7.710	113	116169	40.568	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.140%
50) Toluene-d8	10.179	98	489875	52.785	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.560%
62) 4-Bromofluorobenzene	12.477	95	279750	79.704	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	159.400%#
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	87136	146.509	ug/l #	89
17) Carbon Disulfide	4.186	76	52981	7.895	ug/l	100
25) 2-Butanone	6.984	43	28145	29.777	ug/l #	78
31) Cyclohexane	7.777	56	66777	15.252	ug/l	97
39) Methylcyclohexane	9.179	83	359832	73.614	ug/l	96
52) Toluene	10.240	92	21671	2.935	ug/l	97
67) Ethyl Benzene	11.593	91	81799	7.748	ug/l	95
68) m/p-Xylenes	11.703	106	123048	29.686	ug/l	96
69) o-Xylene	12.026	106	92427	23.353	ug/l	84
73) Isopropylbenzene	12.331	105	229614	22.252	ug/l	99
78) n-propylbenzene	12.672	91	289994	23.733	ug/l	96
79) 2-Chlorotoluene	12.757	91	529866	77.197	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	104118	11.959	ug/l	98
82) 4-Chlorotoluene	12.855	91	201473	28.215	ug/l	83
83) tert-Butylbenzene	13.074	119	52897	6.951	ug/l	74
84) 1,2,4-Trimethylbenzene	13.117	105	590872	69.361	ug/l	98
85) sec-Butylbenzene	13.251	105	272630	24.195	ug/l #	62
86) p-Isopropyltoluene	13.367	119	195459	20.507	ug/l	94
89) n-Butylbenzene	13.696	91	145632	16.833	ug/l #	82

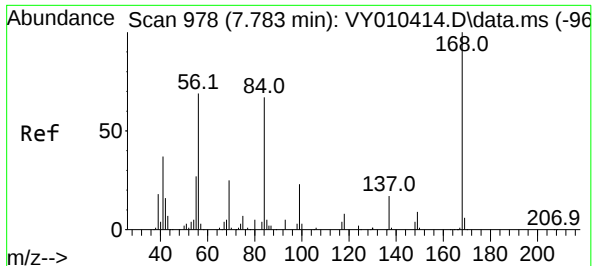
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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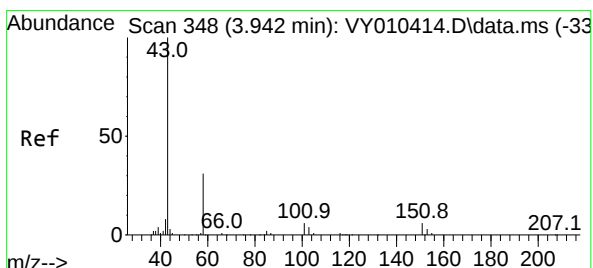
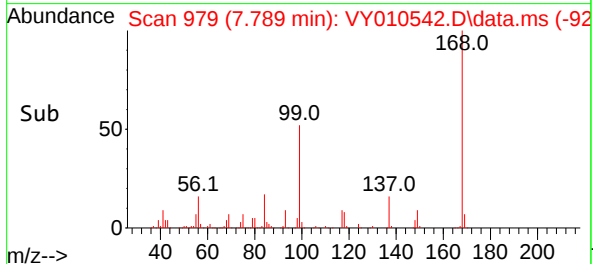
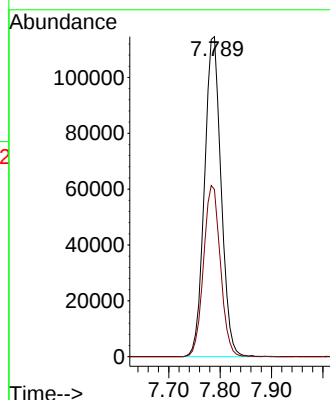
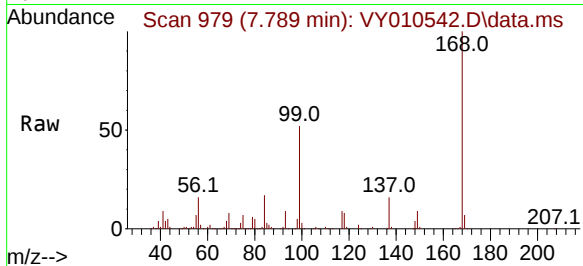




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

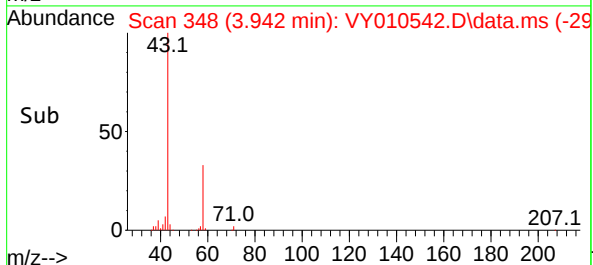
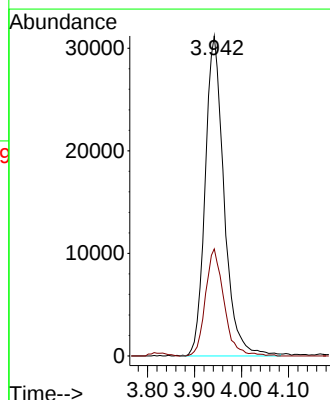
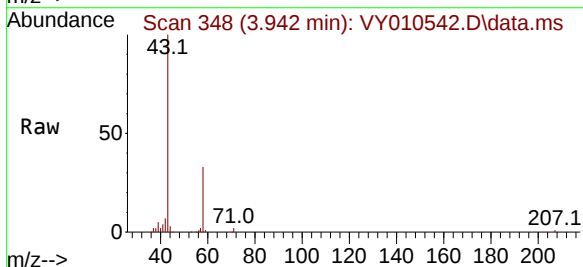
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

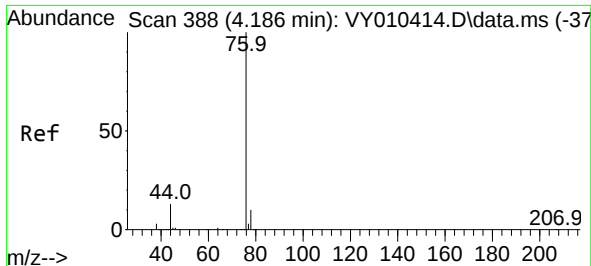
Tgt Ion:168 Resp: 257318
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#16
Acetone
Concen: 146.509 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 43 Resp: 87136
Ion Ratio Lower Upper
43 100
58 33.4 22.0 33.0#

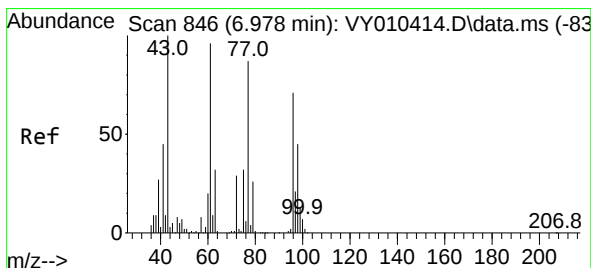
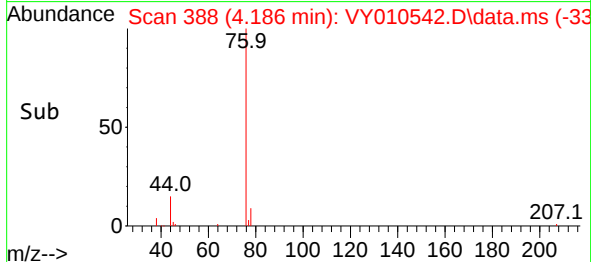
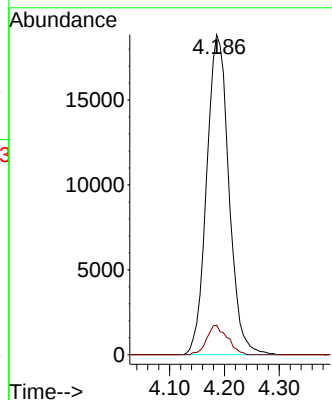
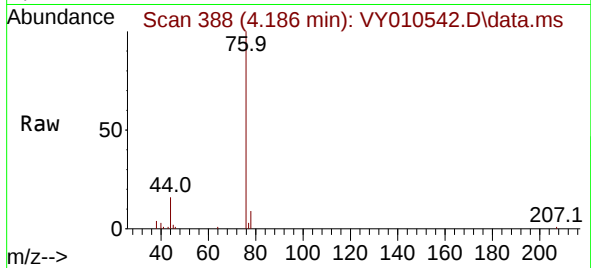




#17
Carbon Disulfide
Concen: 7.895 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

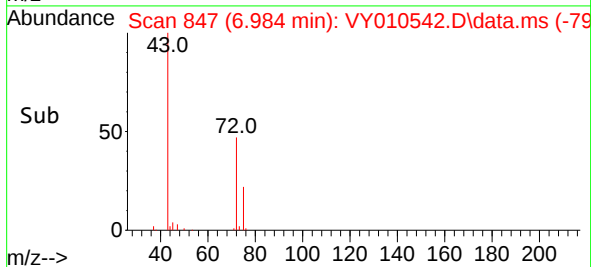
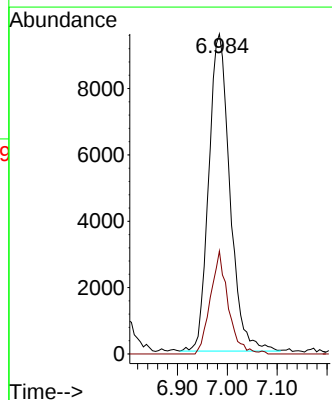
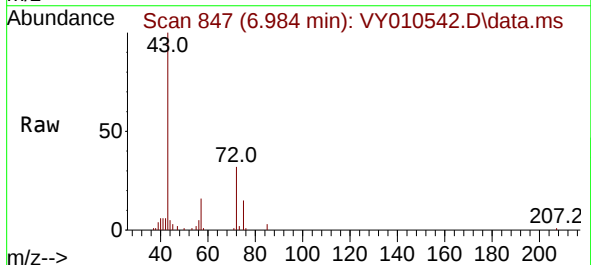
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

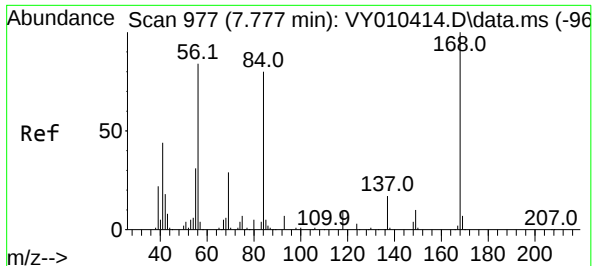
Tgt Ion: 76 Resp: 52981
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#25
2-Butanone
Concen: 29.777 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 43 Resp: 28145
Ion Ratio Lower Upper
43 100
72 32.4 17.7 26.5#

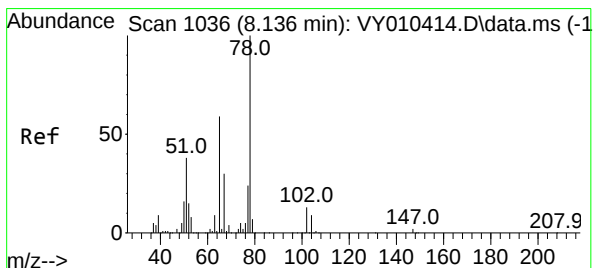
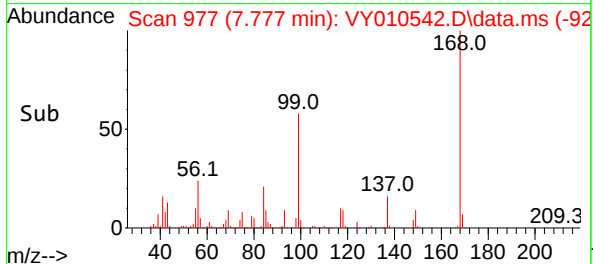
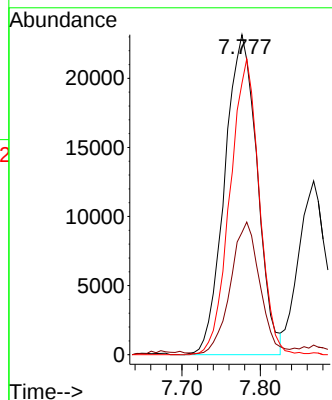
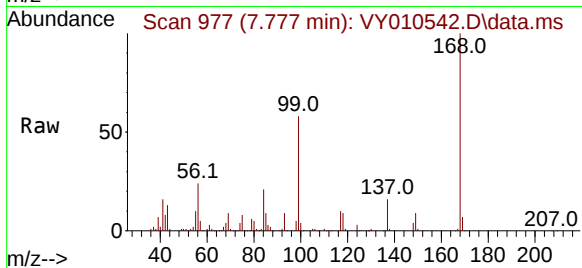




#31
Cyclohexane
Concen: 15.252 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

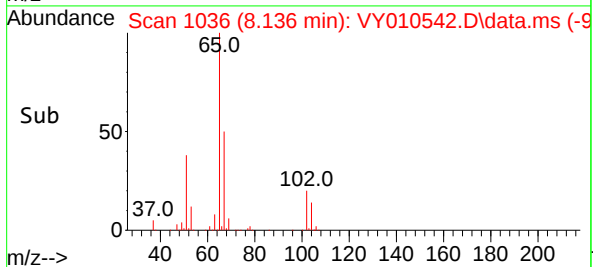
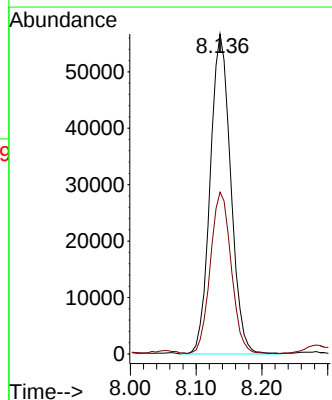
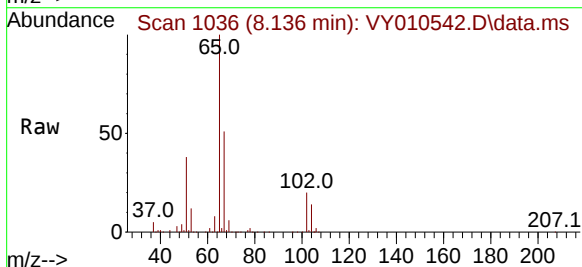
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

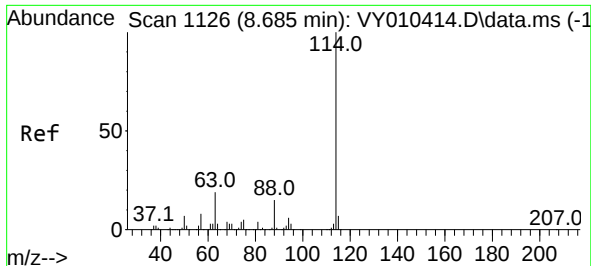
Tgt Ion: 56 Resp: 66777
Ion Ratio Lower Upper
56 100
69 37.2 26.7 40.1
84 84.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 47.557 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 65 Resp: 123248
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4

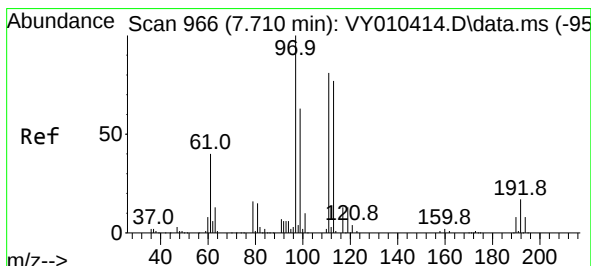
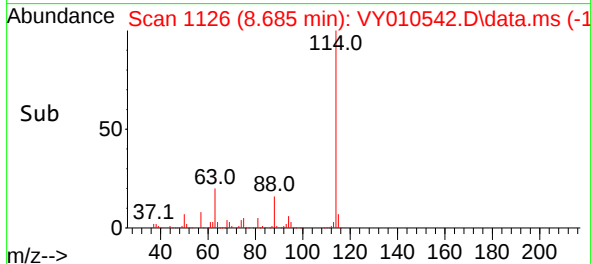
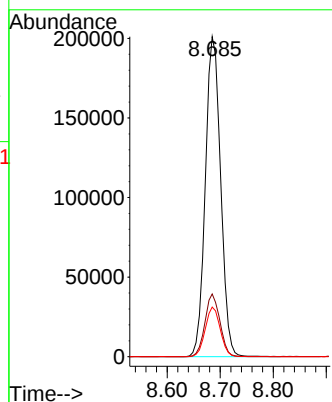
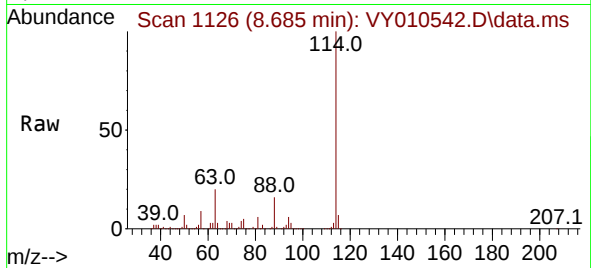




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

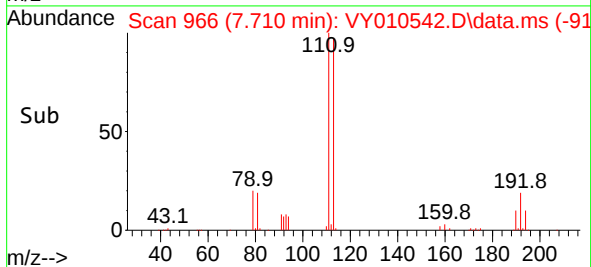
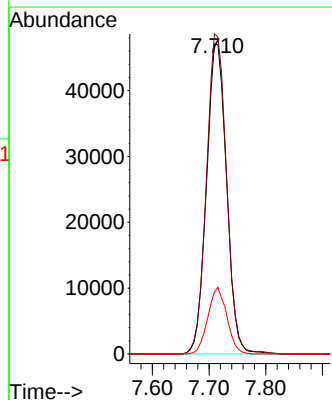
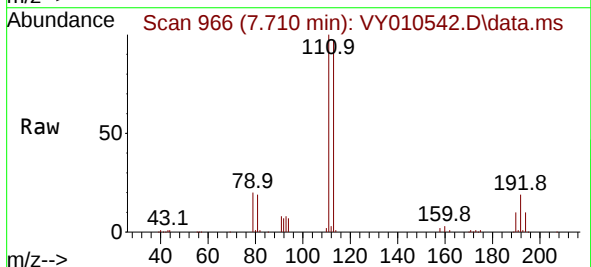
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

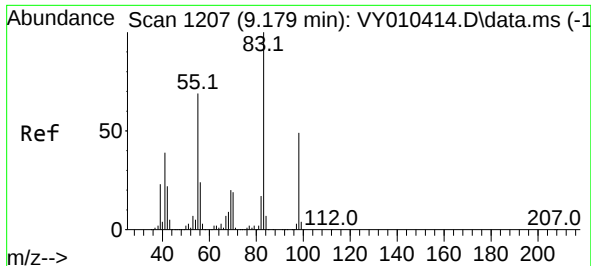
Tgt Ion:114 Resp: 403202
Ion Ratio Lower Upper
114 100
63 19.6 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 40.568 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion:113 Resp: 116169
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 20.3 17.6 26.4

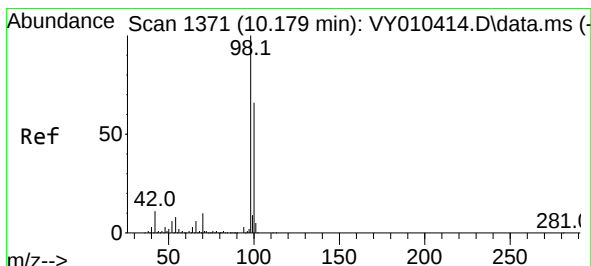
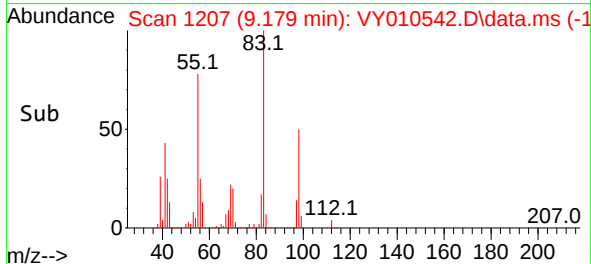
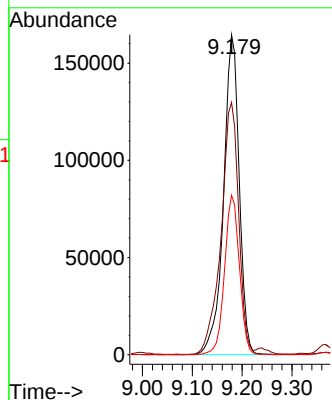
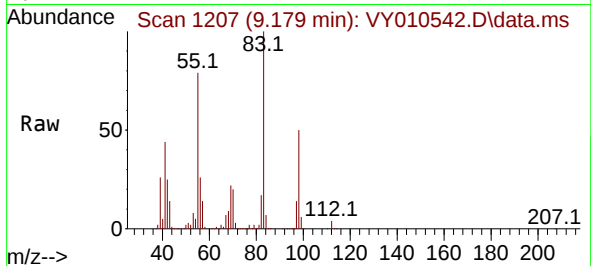




#39
Methylcyclohexane
Concen: 73.614 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

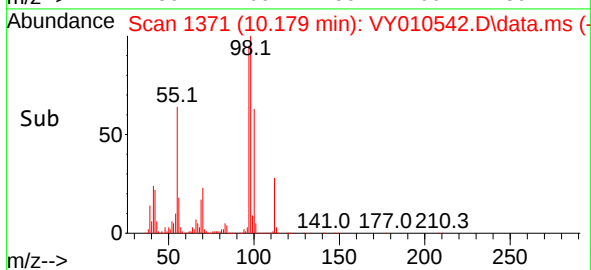
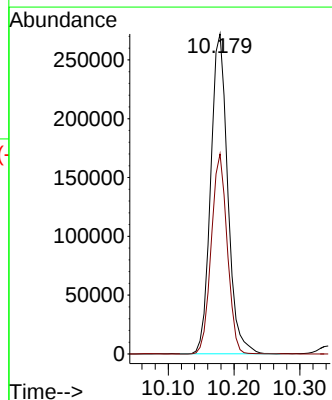
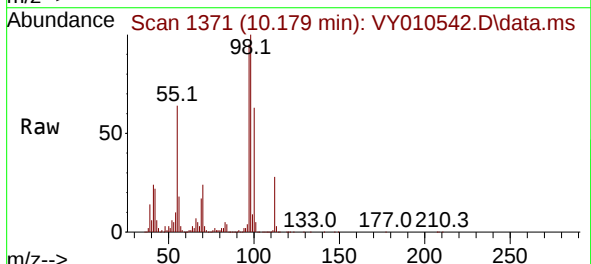
Instrument :
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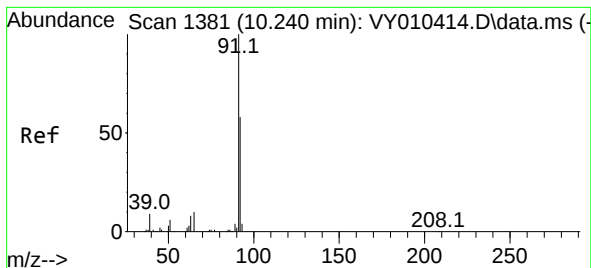
Tgt Ion: 83 Resp: 359832
Ion Ratio Lower Upper
83 100
55 78.7 66.5 99.7
98 49.9 37.9 56.9



#50
Toluene-d8
Concen: 52.785 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 98 Resp: 489875
Ion Ratio Lower Upper
98 100
100 58.5 50.2 75.2





#52

Toluene

Concen: 2.935 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY010542.D

Acq: 16 Sep 2022 18:01

Instrument :

MSVOA_Y

ClientSampleId :

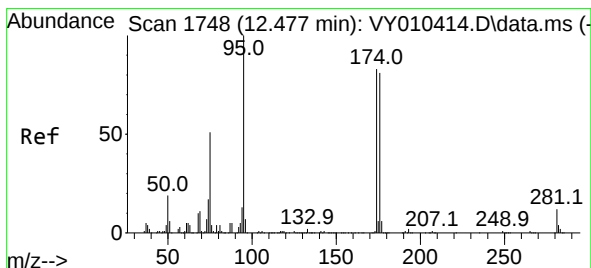
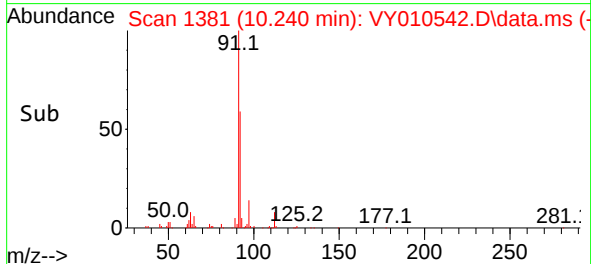
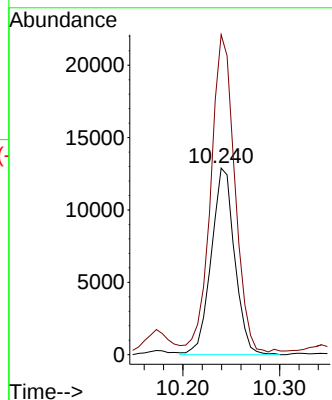
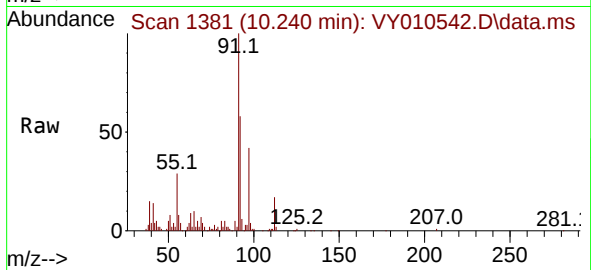
WC-17-4-5

Tgt Ion: 92 Resp: 21671

Ion Ratio Lower Upper

92 100

91 173.8 142.6 213.8



#62

4-Bromofluorobenzene

Concen: 79.704 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY010542.D

Acq: 16 Sep 2022 18:01

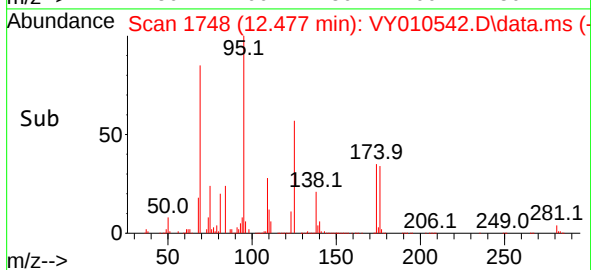
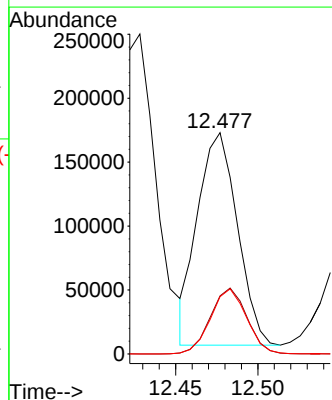
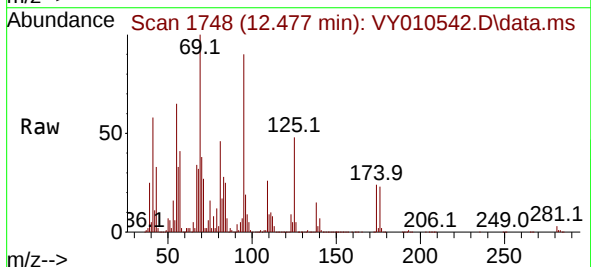
Tgt Ion: 95 Resp: 279750

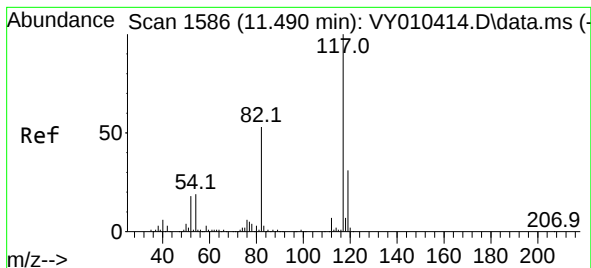
Ion Ratio Lower Upper

95 100

174 28.6 0.0 177.0

176 27.8 0.0 175.8

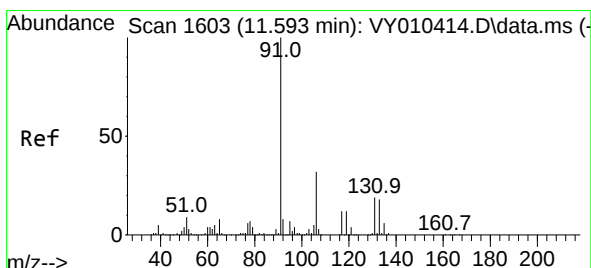
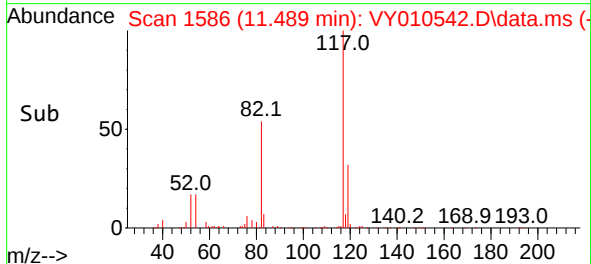
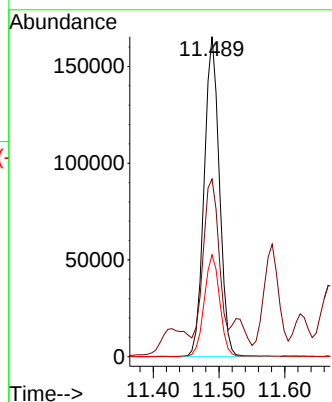
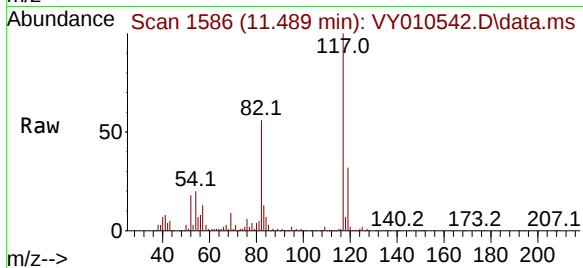




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

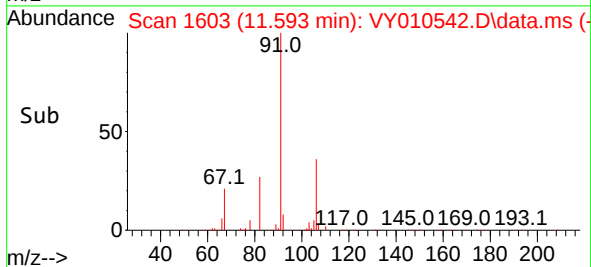
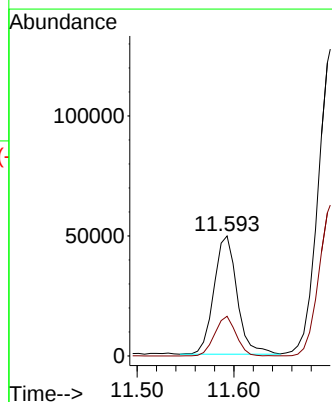
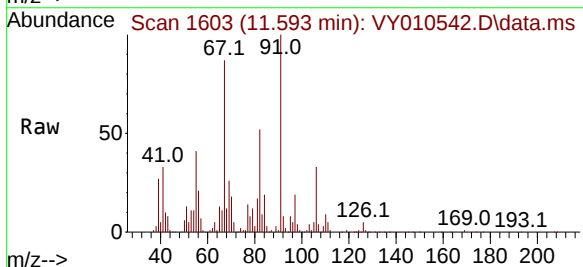
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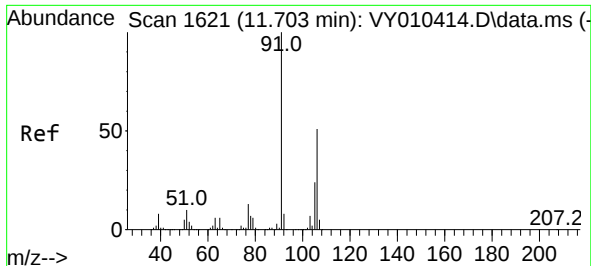
Tgt Ion:117 Resp: 266749
Ion Ratio Lower Upper
117 100
82 47.7 43.0 64.4
119 31.7 25.4 38.0



#67
Ethyl Benzene
Concen: 7.748 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 91 Resp: 81799
Ion Ratio Lower Upper
91 100
106 33.5 24.5 36.7

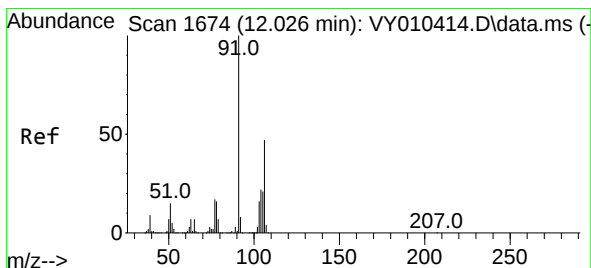
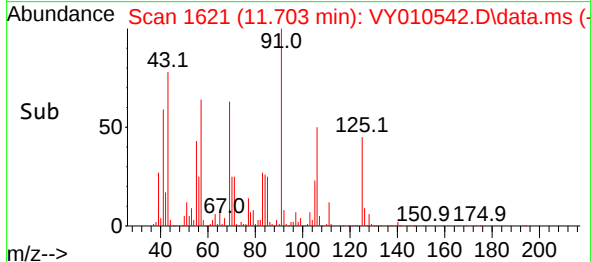
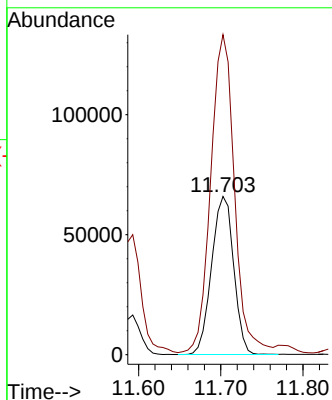
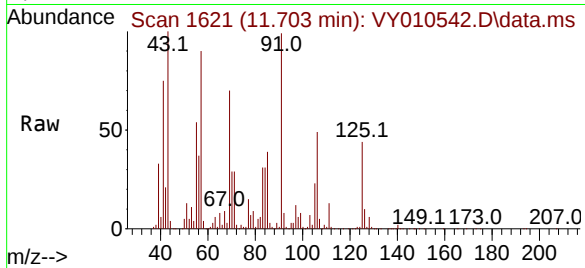




#68
m/p-Xylenes
Concen: 29.686 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

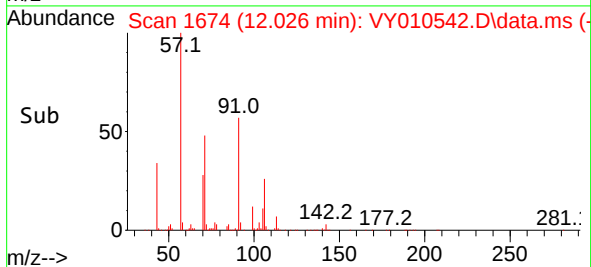
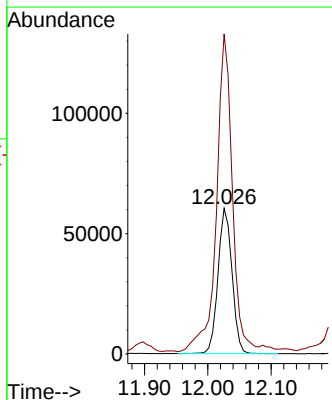
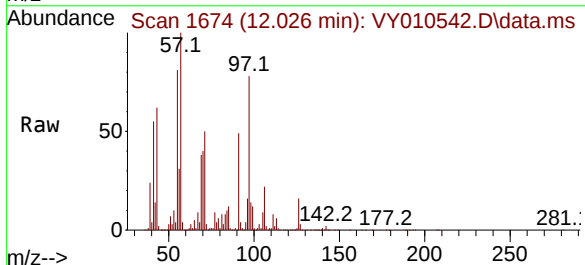
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

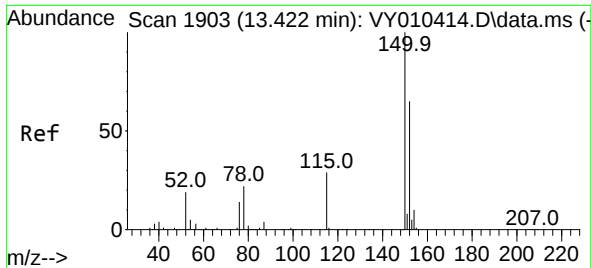
Tgt Ion:106 Resp: 123048
Ion Ratio Lower Upper
106 100
91 214.5 166.6 249.8



#69
o-Xylene
Concen: 23.353 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion:106 Resp: 92427
Ion Ratio Lower Upper
106 100
91 246.4 110.3 331.0

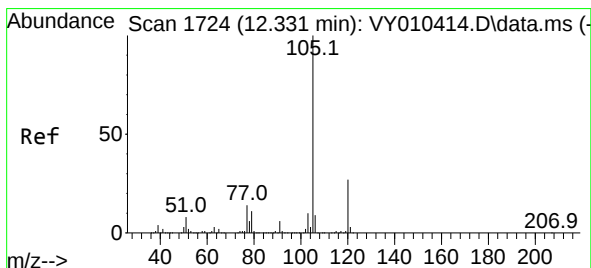
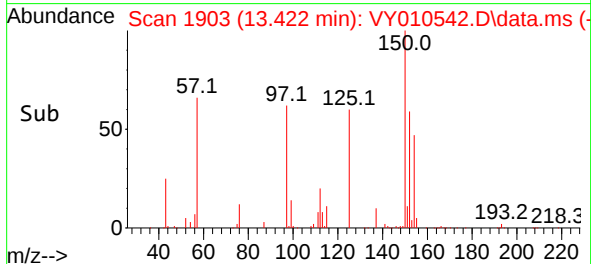
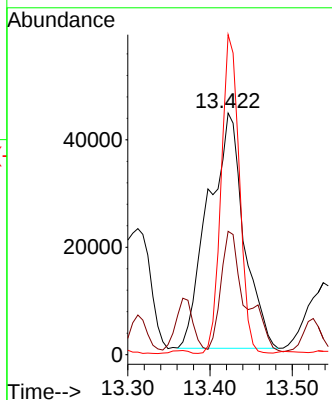
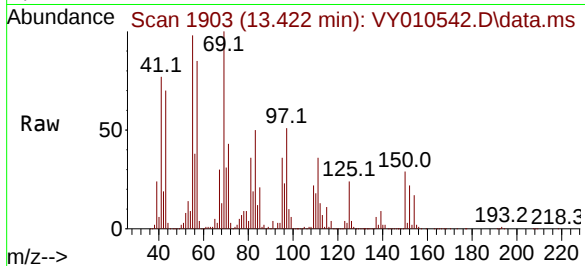




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

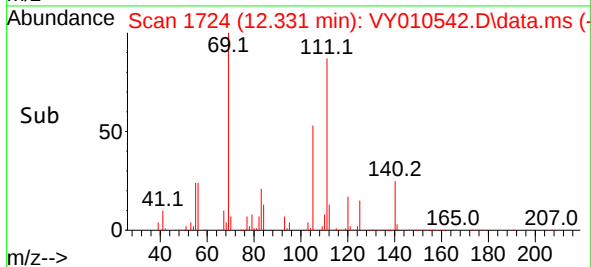
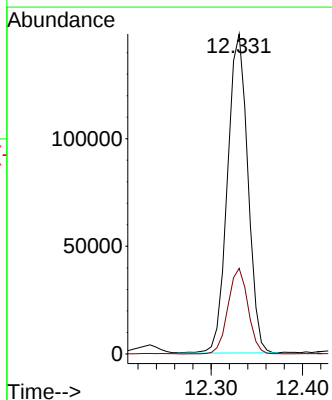
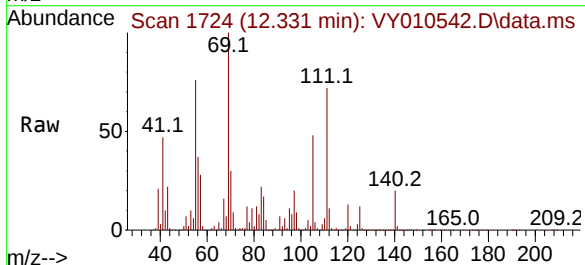
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

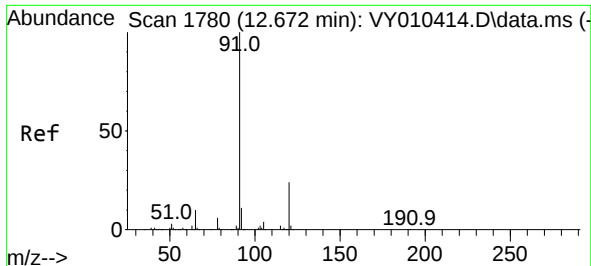
Tgt Ion:152 Resp: 132251
Ion Ratio Lower Upper
152 100
115 35.5 28.2 84.7
150 68.8 0.0 347.6



#73
Isopropylbenzene
Concen: 22.252 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion:105 Resp: 229614
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

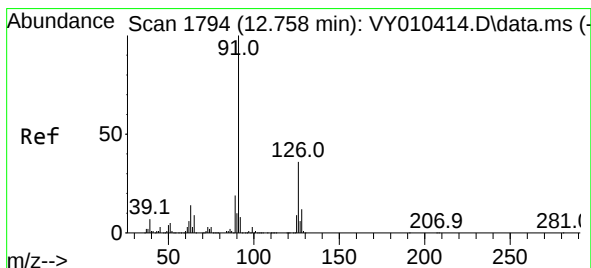
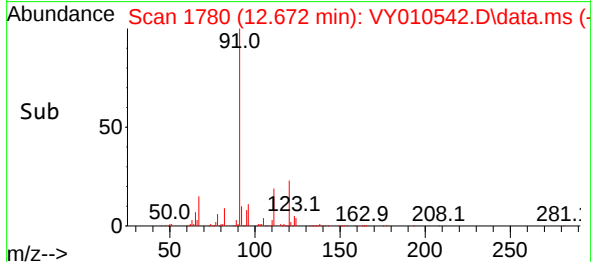
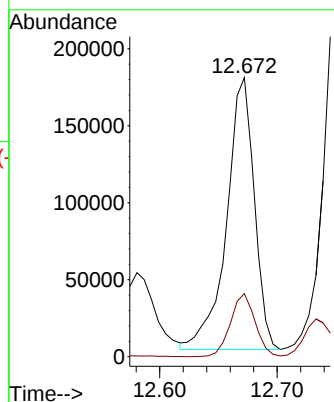
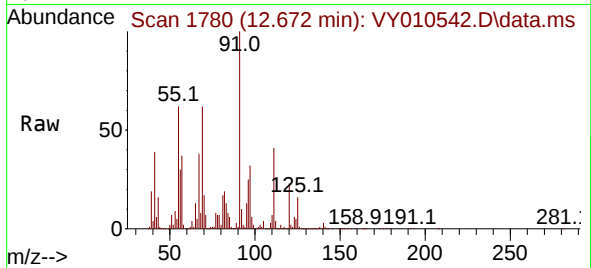




#78
n-propylbenzene
Concen: 23.733 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

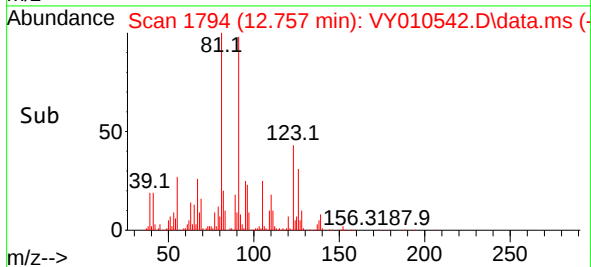
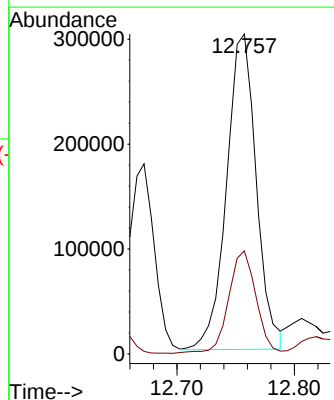
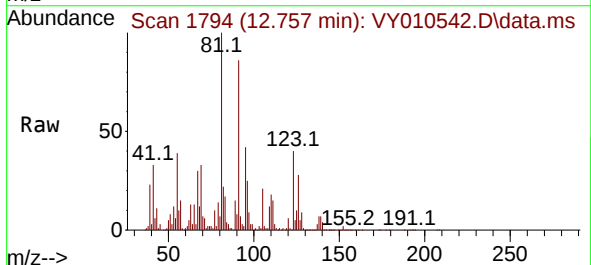
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

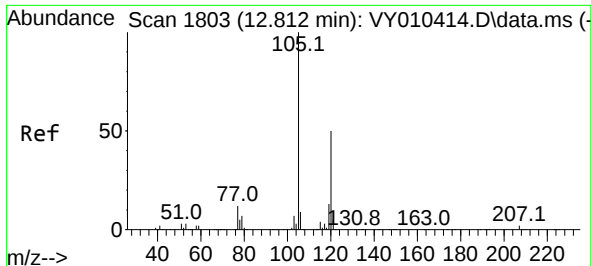
Tgt Ion: 91 Resp: 289994
Ion Ratio Lower Upper
91 100
120 20.6 11.3 33.9



#79
2-Chlorotoluene
Concen: 77.197 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. -0.001 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 91 Resp: 529866
Ion Ratio Lower Upper
91 100
126 29.7 16.9 50.6

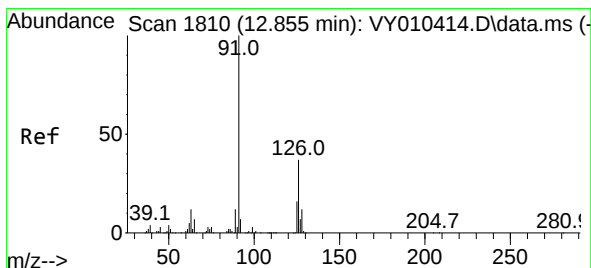
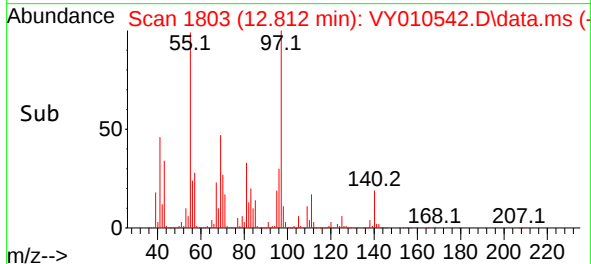
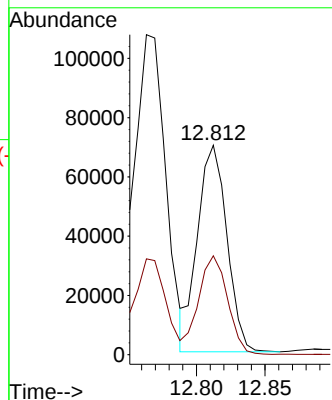
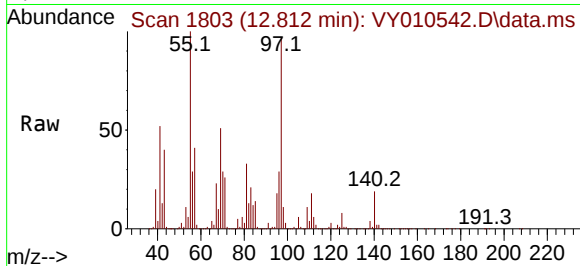




#80
1,3,5-Trimethylbenzene
Concen: 11.959 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

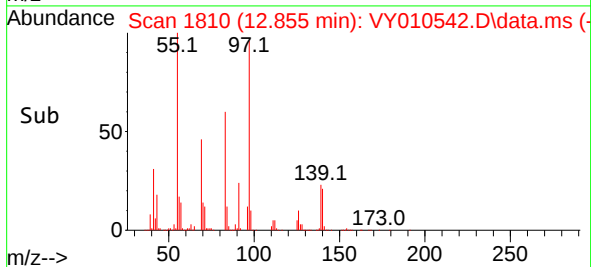
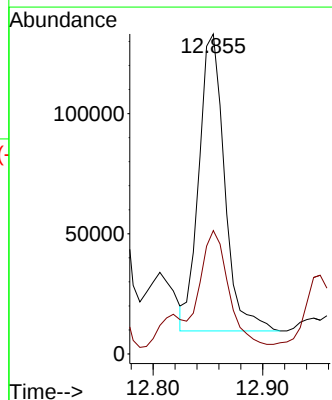
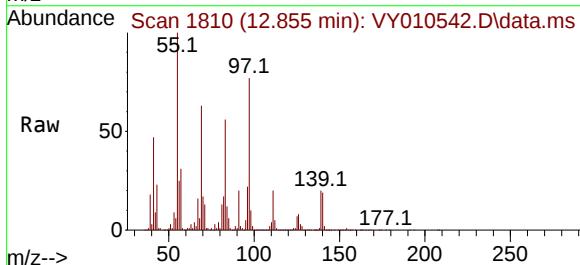
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

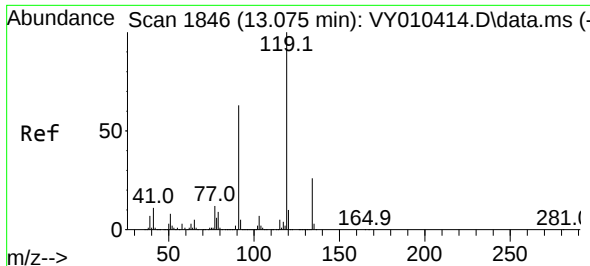
Tgt Ion:105 Resp: 104118
Ion Ratio Lower Upper
105 100
120 47.3 24.4 73.4



#82
4-Chlorotoluene
Concen: 28.215 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion: 91 Resp: 201473
Ion Ratio Lower Upper
91 100
126 43.6 17.0 51.0

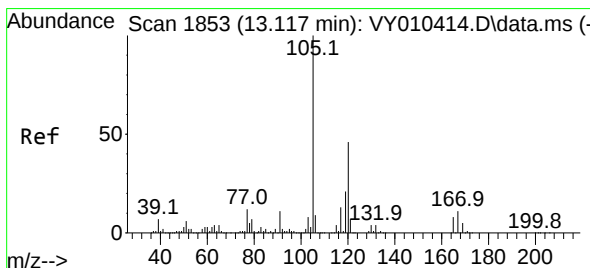
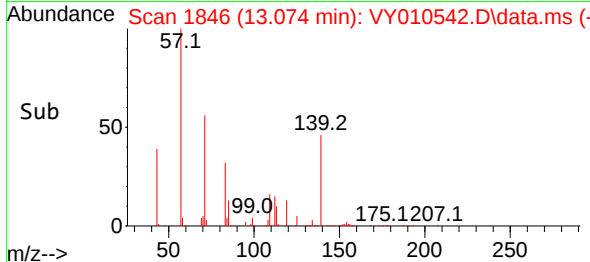
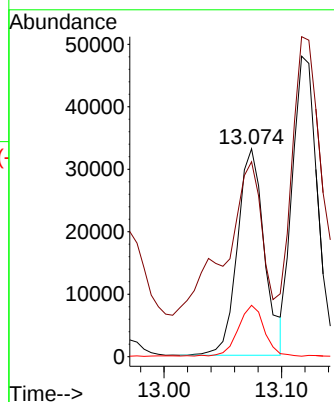
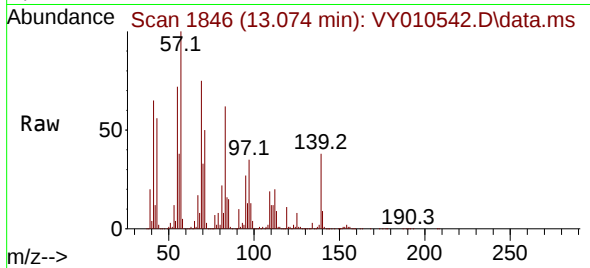




#83
tert-Butylbenzene
Concen: 6.951 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.001 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

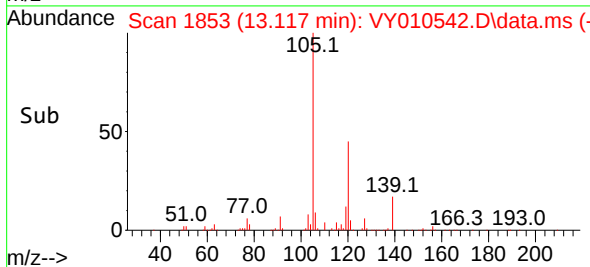
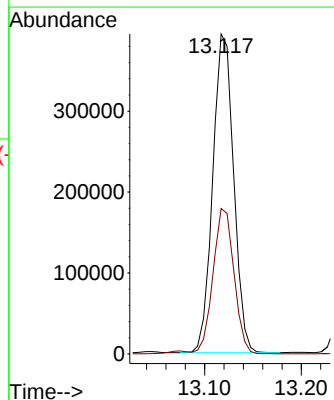
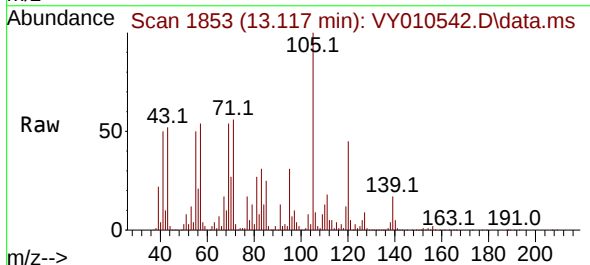
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-5

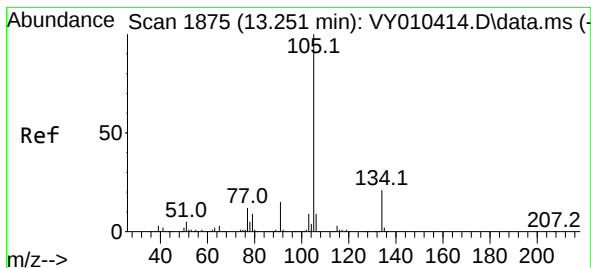
Tgt Ion:119 Resp: 52897
Ion Ratio Lower Upper
119 100
91 97.6 34.8 104.4
134 23.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 69.361 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010542.D
Acq: 16 Sep 2022 18:01

Tgt Ion:105 Resp: 590872
Ion Ratio Lower Upper
105 100
120 45.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 24.195 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010542.D

Acq: 16 Sep 2022 18:01

Instrument :

MSVOA_Y

ClientSampleId :

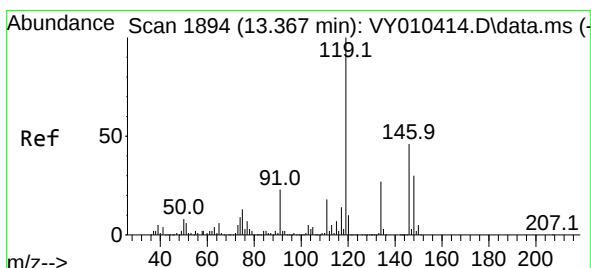
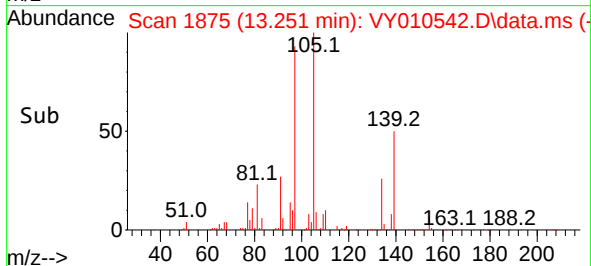
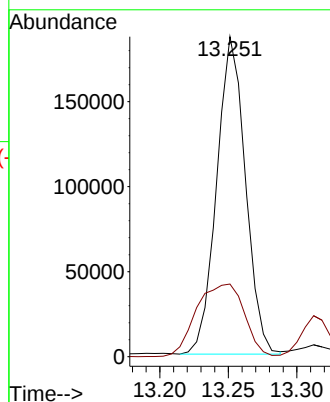
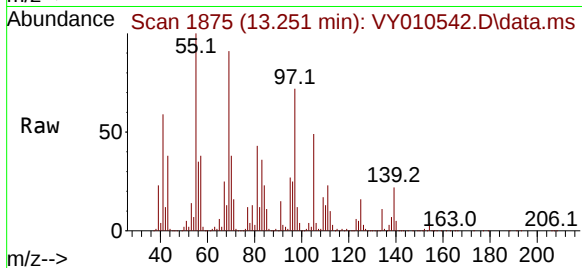
WC-17-4-5

Tgt Ion:105 Resp: 272630

Ion Ratio Lower Upper

105 100

134 38.0 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 20.507 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY010542.D

Acq: 16 Sep 2022 18:01

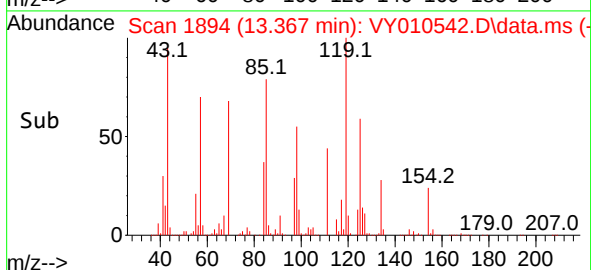
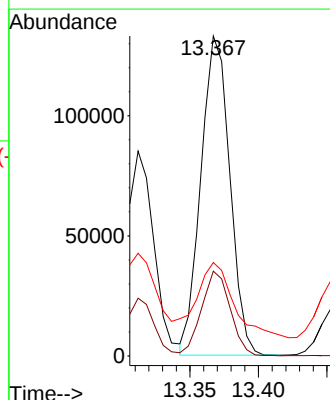
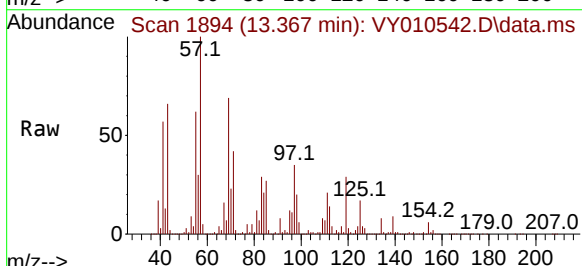
Tgt Ion:119 Resp: 195459

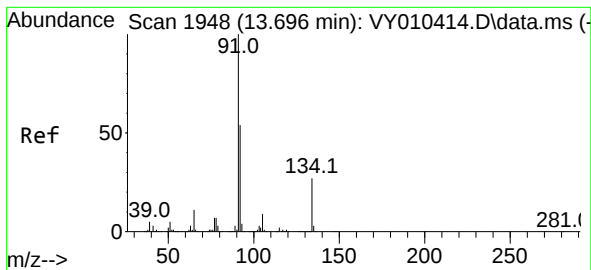
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 30.4 12.4 37.2





#89
 n-Butylbenzene
 Concen: 16.833 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY010542.D
 Acq: 16 Sep 2022 18:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-5

Tgt Ion: 91 Resp: 145632
 Ion Ratio Lower Upper
 91 100
 92 51.6 26.3 78.9
 134 0.0 13.0 38.9#

