

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010510.D
 Acq On : 15 Sep 2022 14:52
 Operator : KP/MD
 Sample : N4630-01
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-1

Quant Time: Sep 16 02:55:51 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)

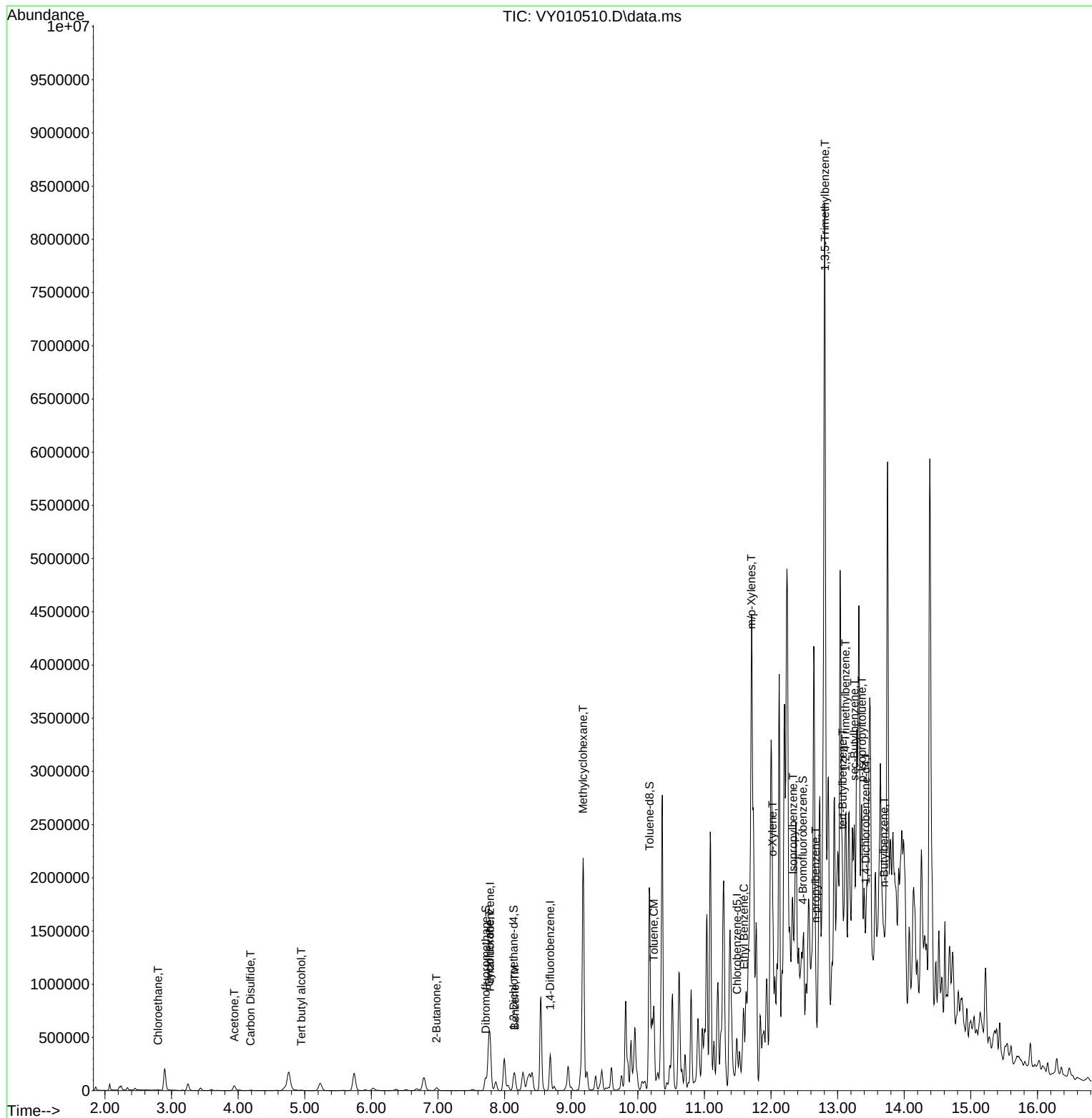
Internal Standards						
1) Pentafluorobenzene	7.783	168	176414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	276035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	183086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85858	48.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.640%		
35) Dibromofluoromethane	7.716	113	81921	41.787	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.580%		
50) Toluene-d8	10.179	98	380193	59.839	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	119.680%		
62) 4-Bromofluorobenzene	12.477	95	124094	49.173	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.340%		
Target Compounds						Qvalue
6) Chloroethane	2.796	64	2937	1.796	ug/l #	81
11) Tert butyl alcohol	4.948	59	8032	7.222	ug/l #	92
16) Acetone	3.942	43	78676	192.950	ug/l	93
17) Carbon Disulfide	4.186	76	6883	1.496	ug/l	97
25) 2-Butanone	6.978	43	36418	56.200	ug/l	91
31) Cyclohexane	7.771	56	174282	58.062	ug/l	91
39) Methylcyclohexane	9.179	83	942620	281.680	ug/l	90
40) Benzene	8.155	78	101457	13.132	ug/l	95
52) Toluene	10.240	92	311946	61.701	ug/l	95
67) Ethyl Benzene	11.593	91	343538	47.407	ug/l	98
68) m/p-Xylenes	11.703	106	487405	171.325	ug/l	97
69) o-Xylene	12.026	106	158369	58.300	ug/l	99
73) Isopropylbenzene	12.331	105	255900	49.616	ug/l	100
78) n-propylbenzene	12.672	91	251912	41.247	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	453988	104.324	ug/l	100
83) tert-Butylbenzene	13.075	119	41003	10.780	ug/l	89
84) 1,2,4-Trimethylbenzene	13.117	105	601939	141.368	ug/l	98
85) sec-Butylbenzene	13.251	105	279153	49.565	ug/l #	77
86) p-Isopropyltoluene	13.367	119	250043	52.486	ug/l	99
89) n-Butylbenzene	13.696	91	165056	38.169	ug/l #	72

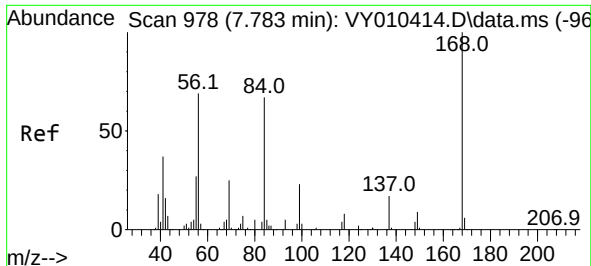
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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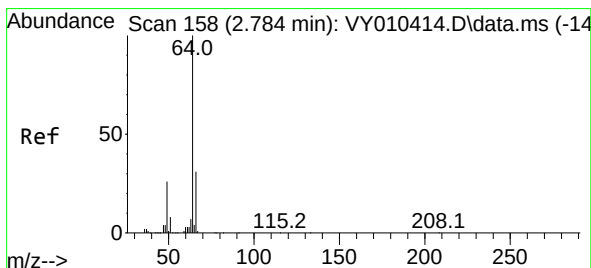
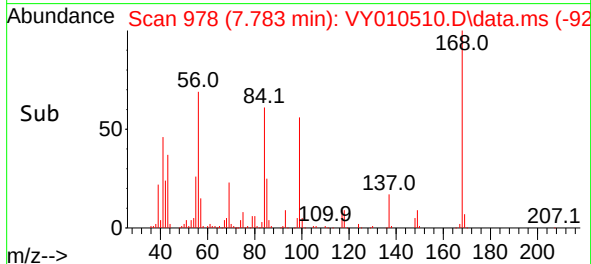
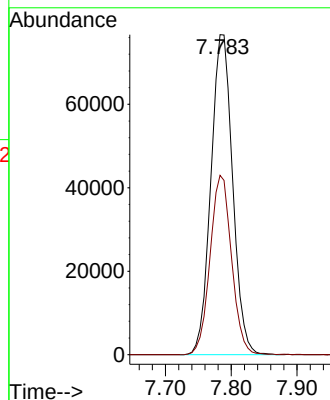
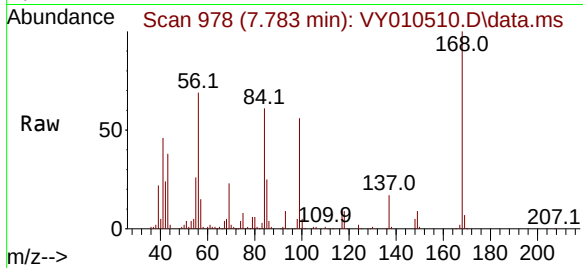




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

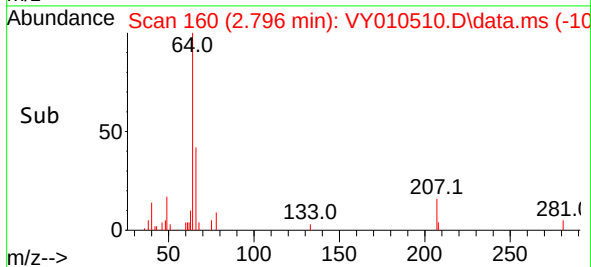
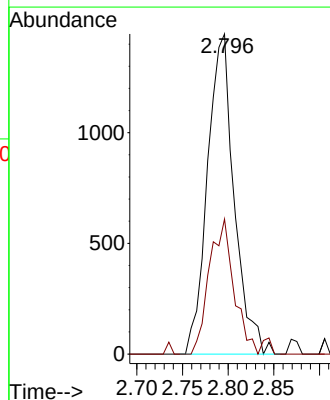
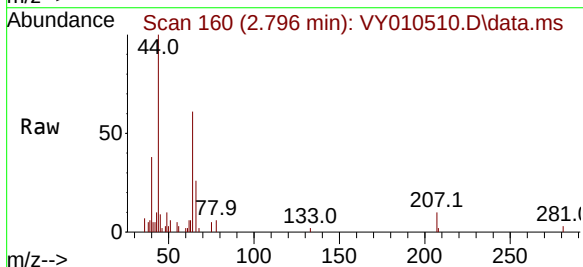
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

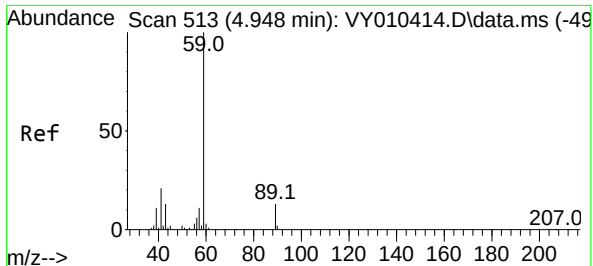
Tgt Ion:168 Resp: 176414
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#6
Chloroethane
Concen: 1.796 ug/l
RT: 2.796 min Scan# 160
Delta R.T. 0.012 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 64 Resp: 2937
Ion Ratio Lower Upper
64 100
66 42.2 25.4 38.0#





#11

Tert butyl alcohol

Concen: 7.222 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY010510.D

Acq: 15 Sep 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

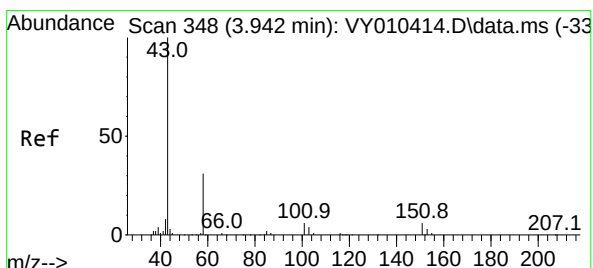
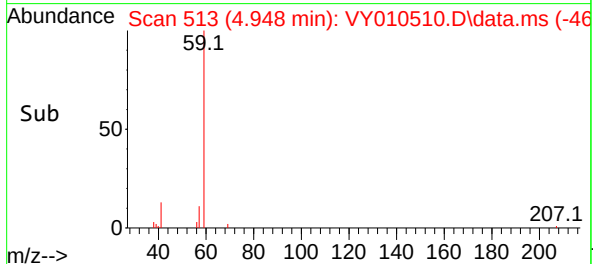
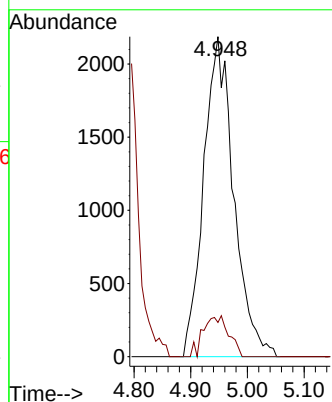
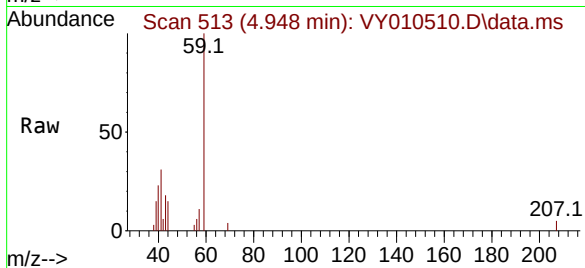
WC-17-4-1

Tgt Ion: 59 Resp: 8032

Ion Ratio Lower Upper

59 100

57 10.8 6.4 9.6#



#16

Acetone

Concen: 192.950 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010510.D

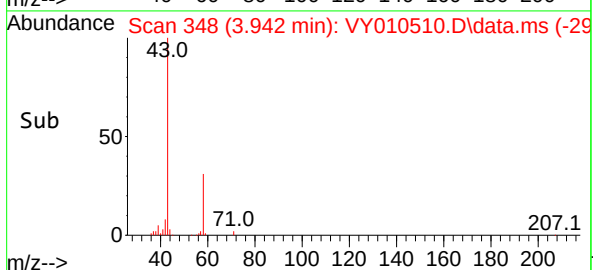
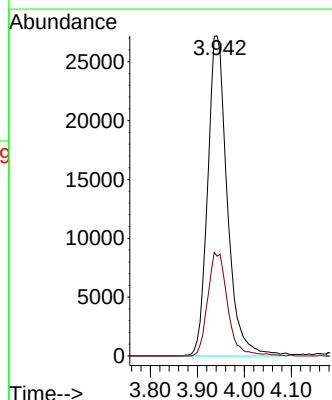
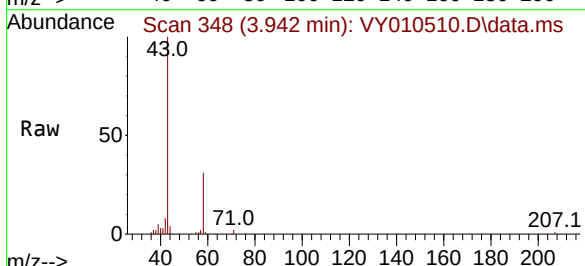
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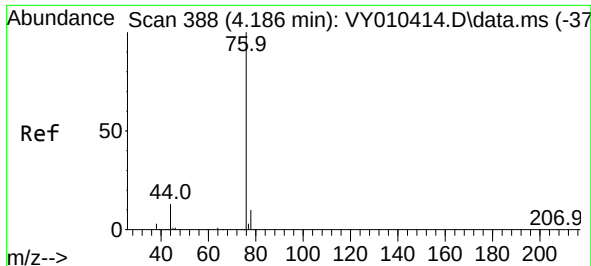
Tgt Ion: 43 Resp: 78676

Ion Ratio Lower Upper

43 100

58 31.1 22.0 33.0

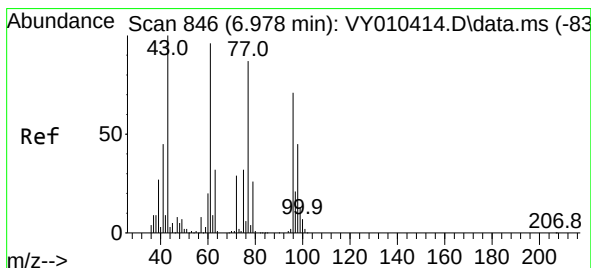
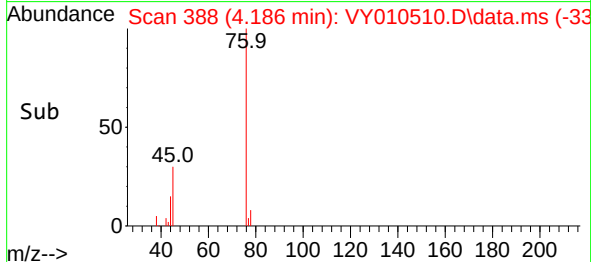
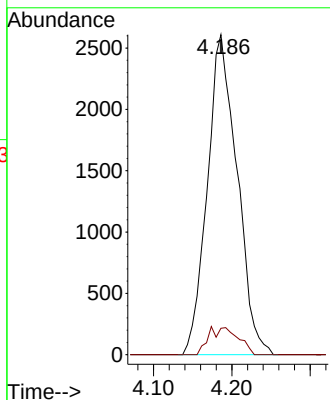
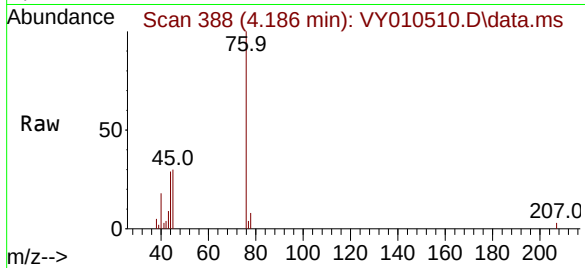




#17
Carbon Disulfide
Concen: 1.496 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

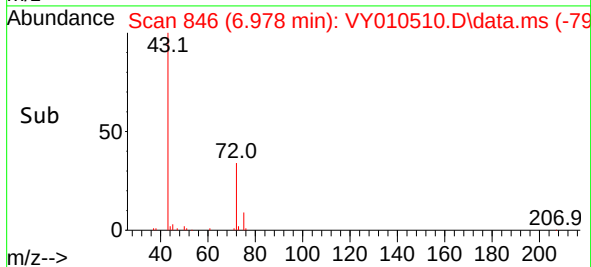
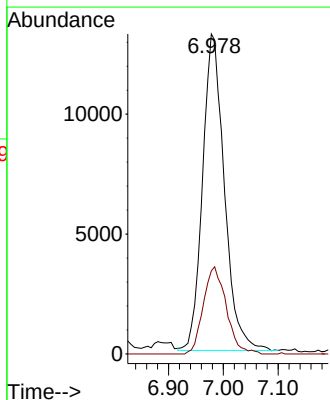
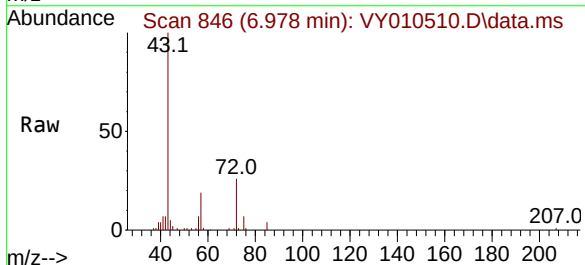
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

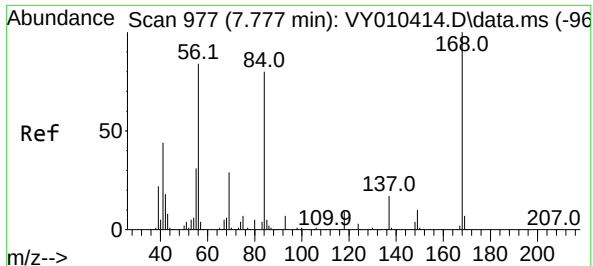
Tgt Ion: 76 Resp: 6883
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#25
2-Butanone
Concen: 56.200 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 43 Resp: 36418
Ion Ratio Lower Upper
43 100
72 26.3 17.7 26.5

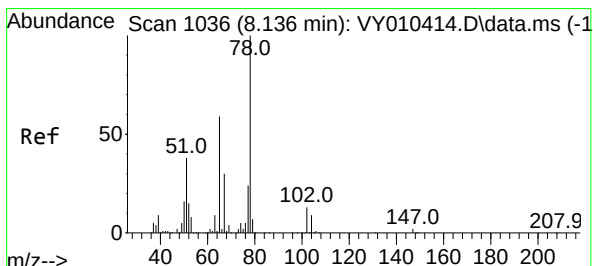
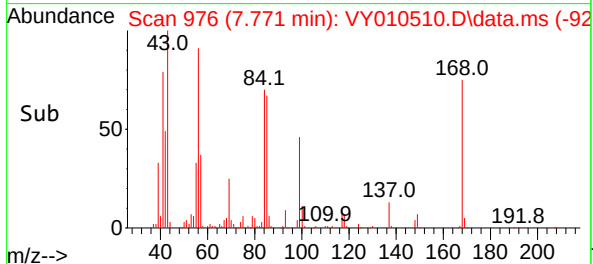
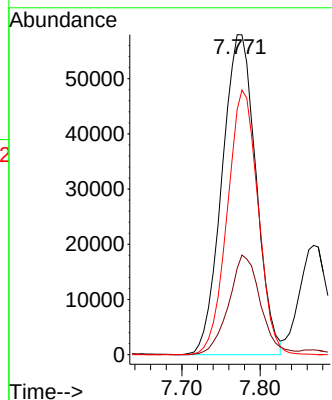
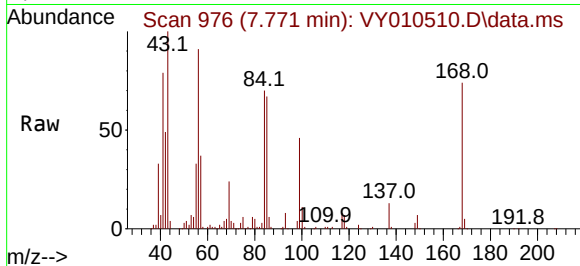




#31
Cyclohexane
Concen: 58.062 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

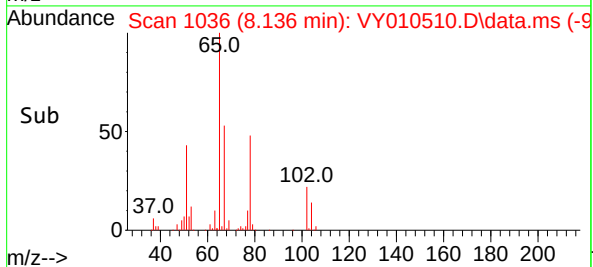
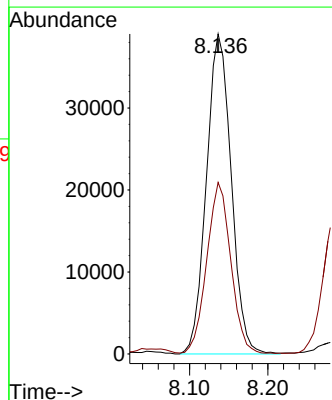
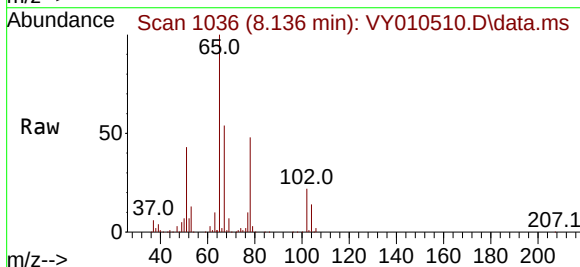
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

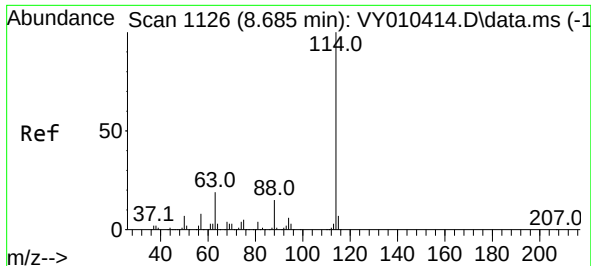
Tgt Ion: 56 Resp: 174282
Ion Ratio Lower Upper
56 100
69 26.9 26.7 40.1
84 76.6 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 48.322 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 65 Resp: 85858
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.4

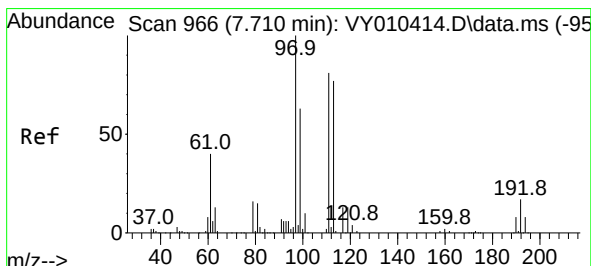
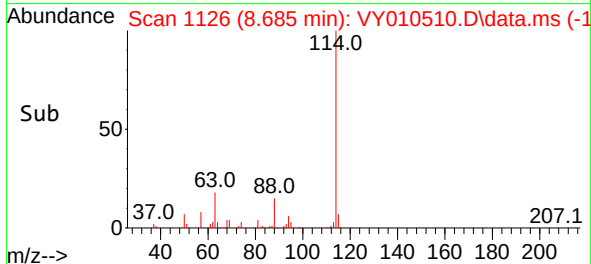
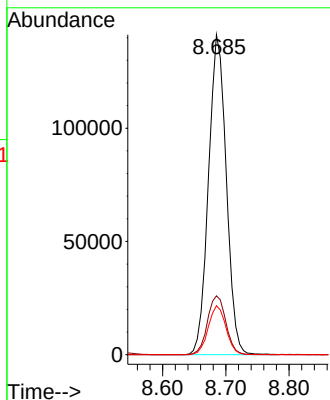
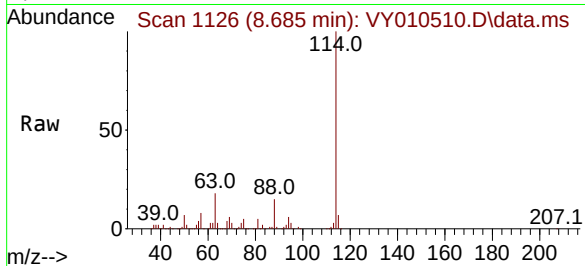




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

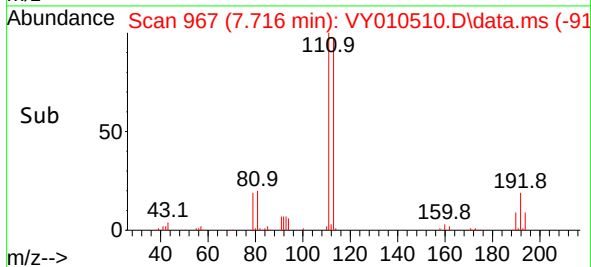
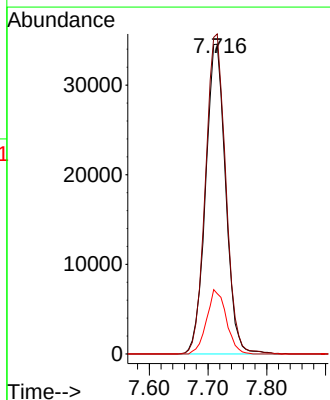
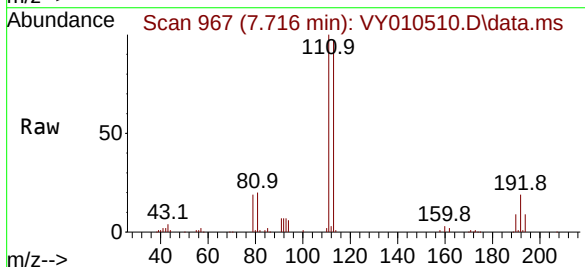
Instrument :
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ClientSampleId :
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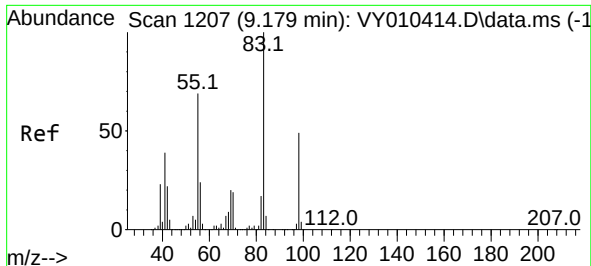
Tgt Ion:	114	Resp:	276035
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	43.2
88	15.3	0.0	31.8



#35
Dibromofluoromethane
Concen: 41.787 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion:	113	Resp:	81921
Ion Ratio	Lower	Upper	
113	100		
111	104.3	82.6	124.0
192	20.3	17.6	26.4





#39

Methylcyclohexane

Concen: 281.680 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY010510.D

Acq: 15 Sep 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

WC-17-4-1

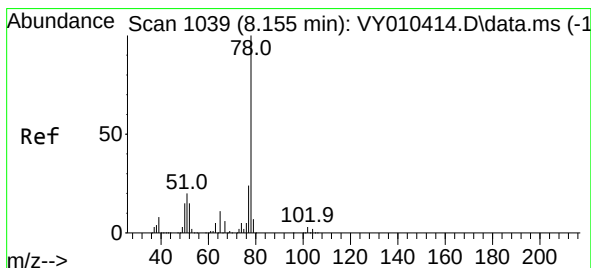
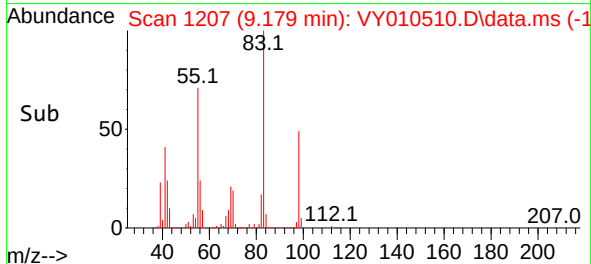
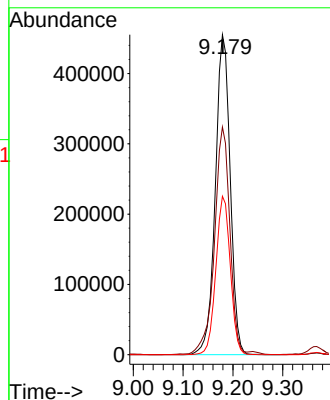
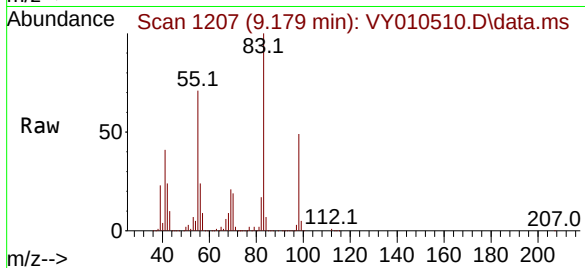
Tgt Ion: 83 Resp: 942620

Ion Ratio Lower Upper

83 100

55 71.1 66.5 99.7

98 49.5 37.9 56.9



#40

Benzene

Concen: 13.132 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY010510.D

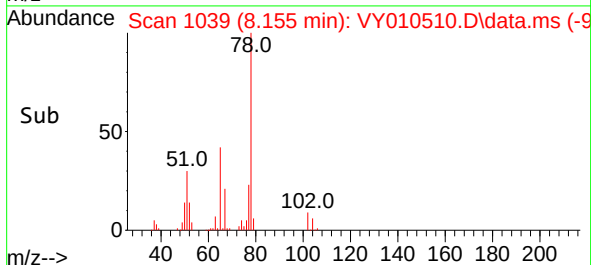
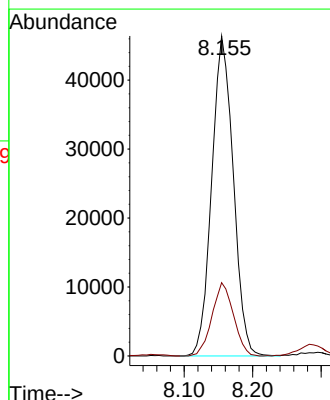
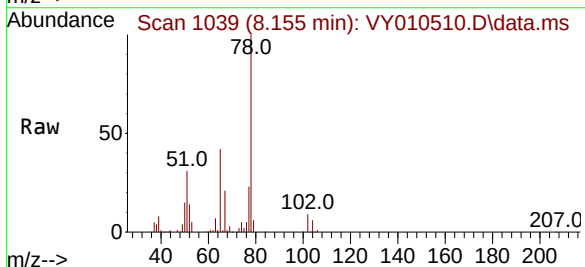
Acq: 15 Sep 2022 14:52

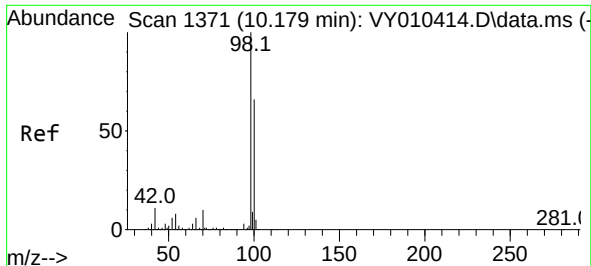
Tgt Ion: 78 Resp: 101457

Ion Ratio Lower Upper

78 100

77 22.9 20.4 30.6

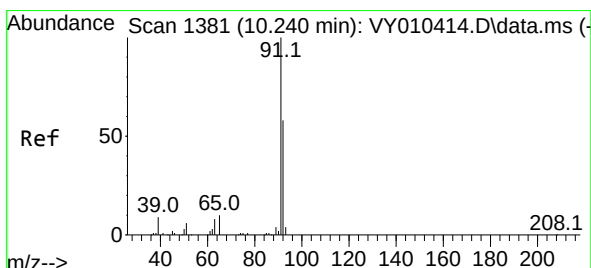
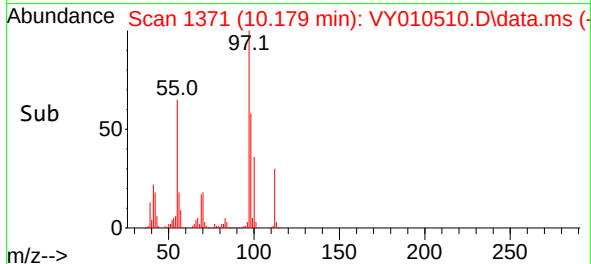
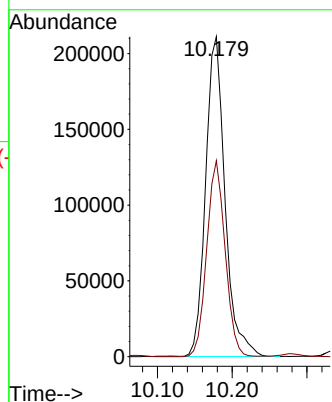
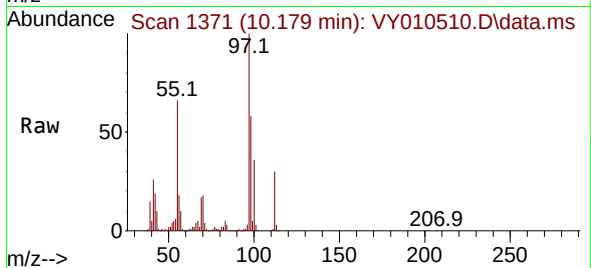




#50
Toluene-d8
Concen: 59.839 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

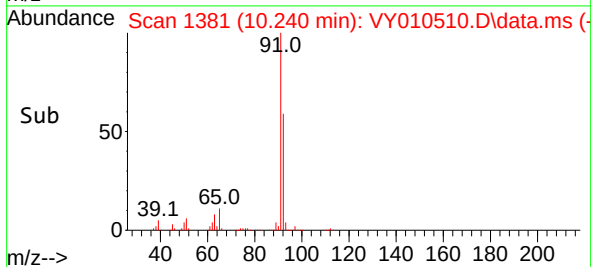
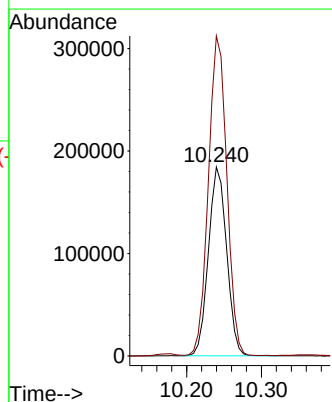
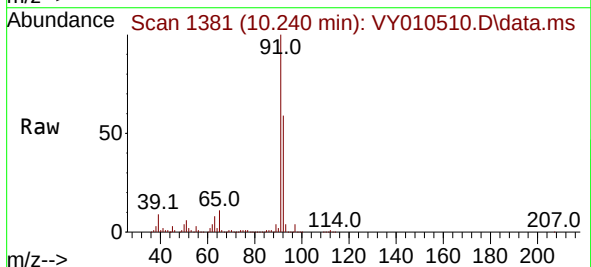
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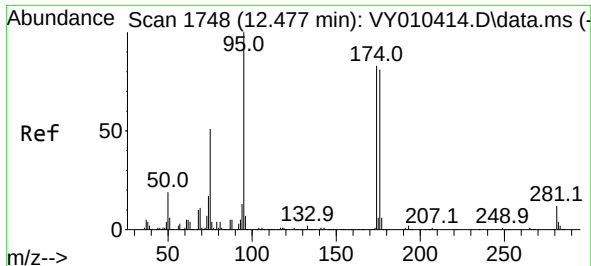
Tgt Ion: 98 Resp: 380193
Ion Ratio Lower Upper
98 100
100 58.2 50.2 75.2



#52
Toluene
Concen: 61.701 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 92 Resp: 311946
Ion Ratio Lower Upper
92 100
91 170.7 142.6 213.8

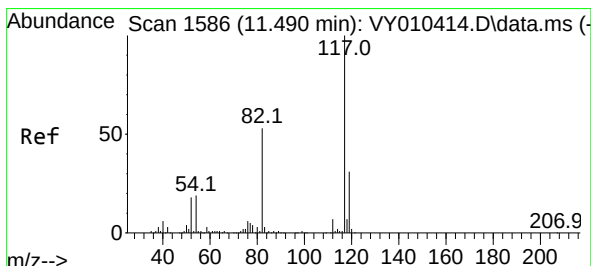
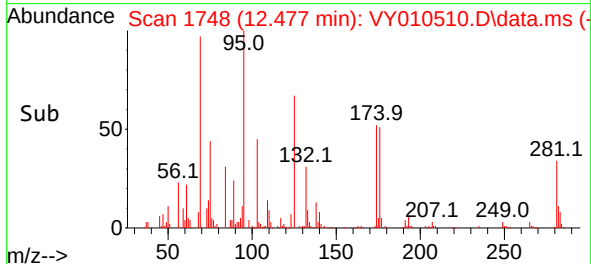
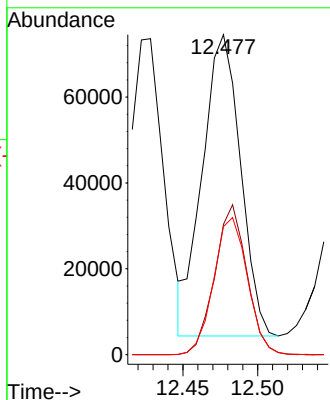
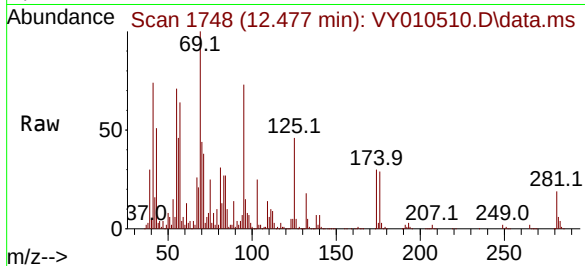




#62
4-Bromofluorobenzene
Concen: 49.173 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

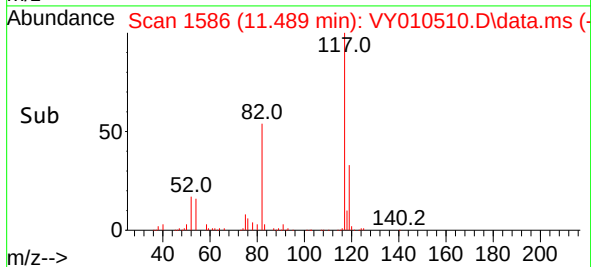
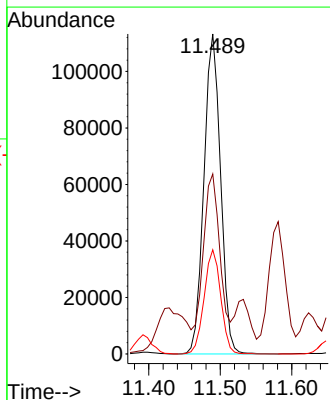
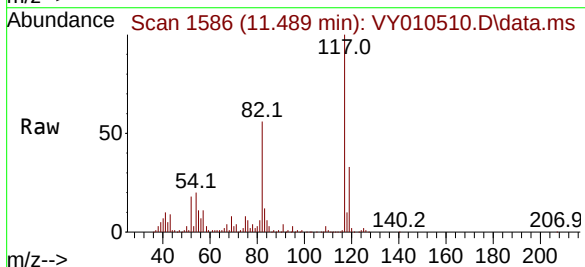
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

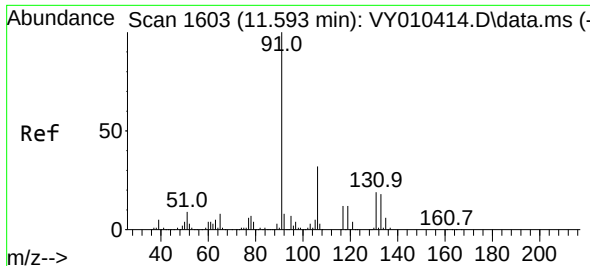
Tgt Ion: 95 Resp: 124094
Ion Ratio Lower Upper
95 100
174 42.0 0.0 177.0
176 40.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 117 Resp: 183086
Ion Ratio Lower Upper
117 100
82 43.8 43.0 64.4
119 32.6 25.4 38.0

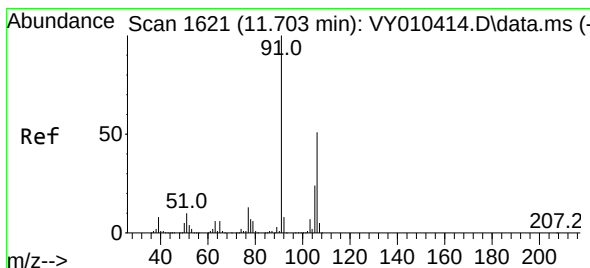
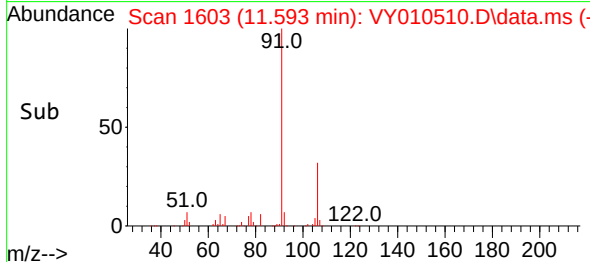
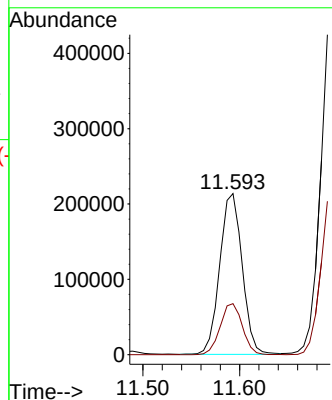
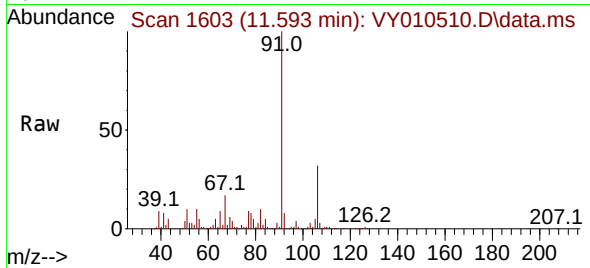




#67
Ethyl Benzene
Concen: 47.407 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

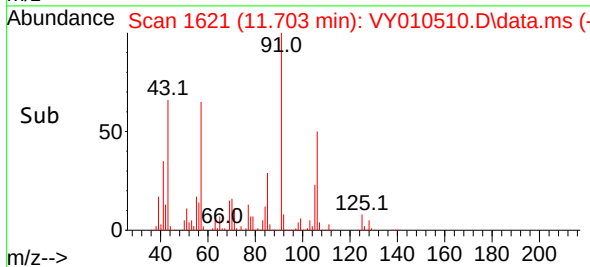
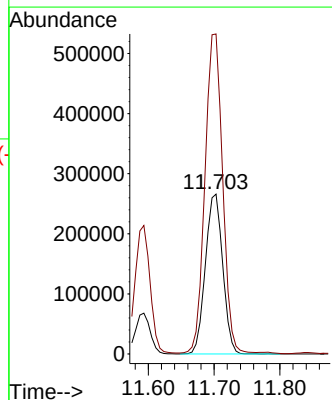
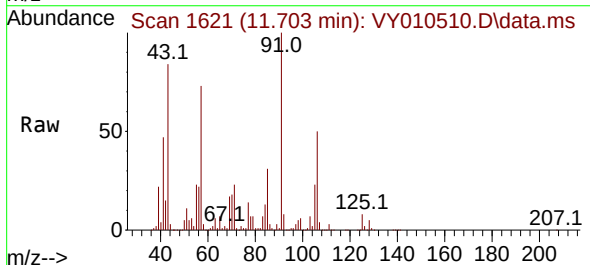
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

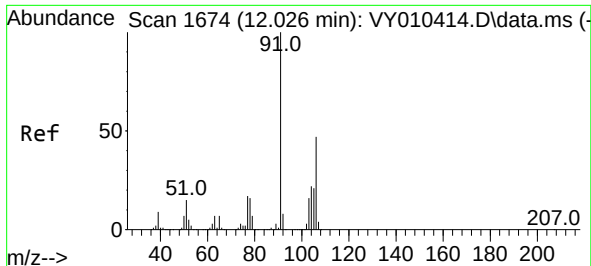
Tgt Ion: 91 Resp: 343538
Ion Ratio Lower Upper
91 100
106 31.8 24.5 36.7



#68
m/p-Xylenes
Concen: 171.325 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 106 Resp: 487405
Ion Ratio Lower Upper
106 100
91 203.0 166.6 249.8

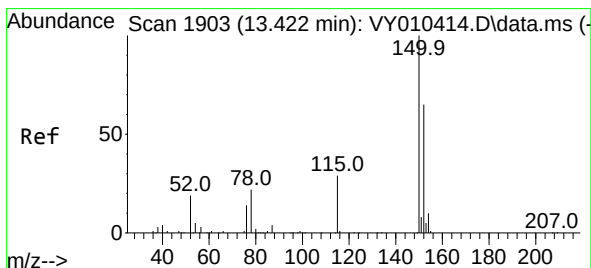
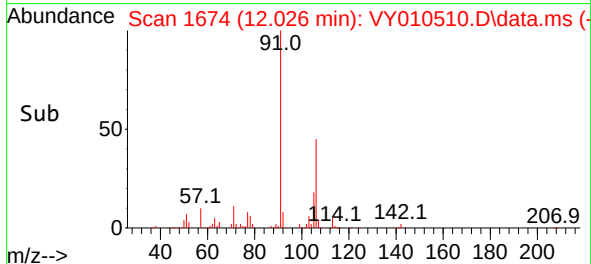
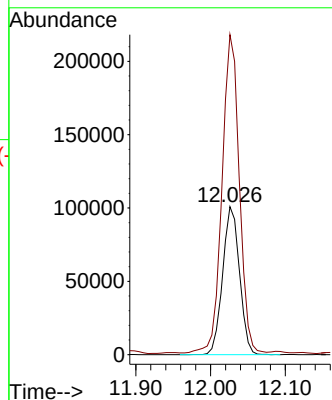
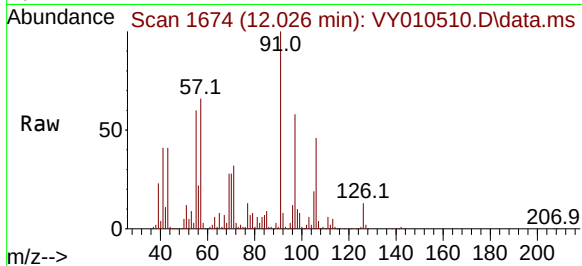




#69
o-Xylene
Concen: 58.300 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

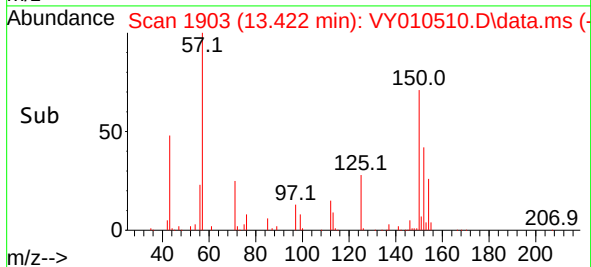
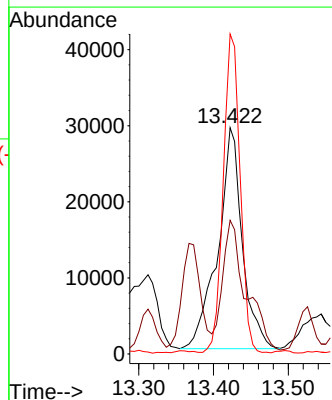
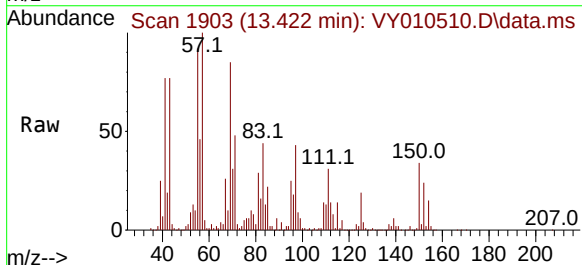
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

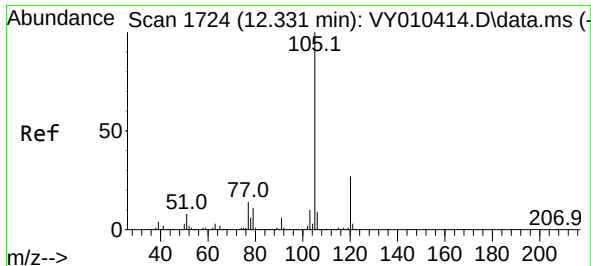
Tgt Ion:106 Resp: 158369
Ion Ratio Lower Upper
106 100
91 219.9 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion:152 Resp: 66103
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 99.6 0.0 347.6

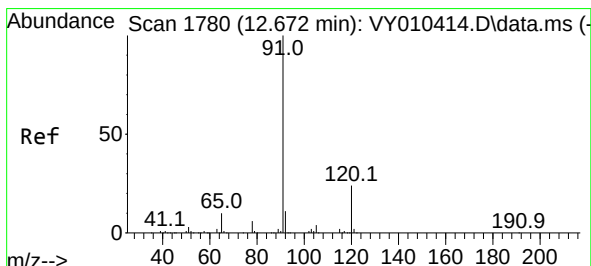
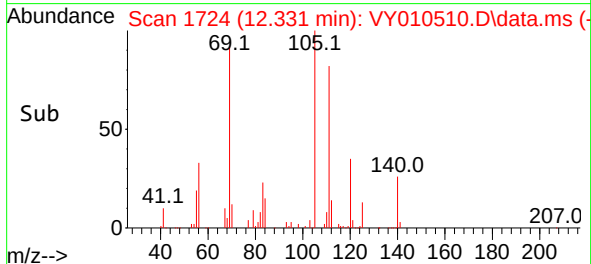
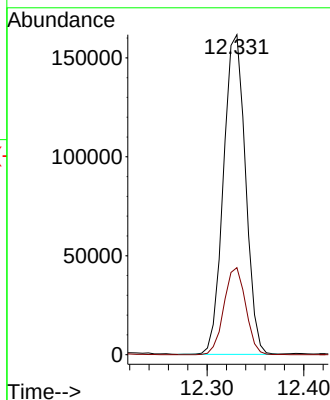
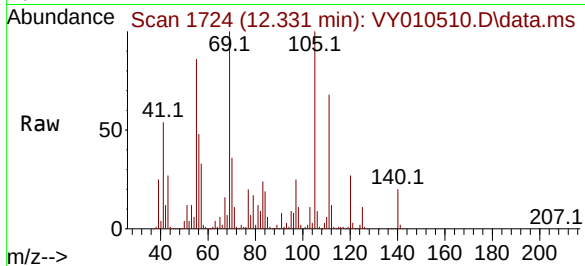




#73
Isopropylbenzene
Concen: 49.616 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

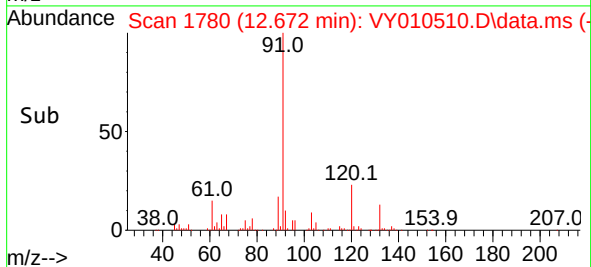
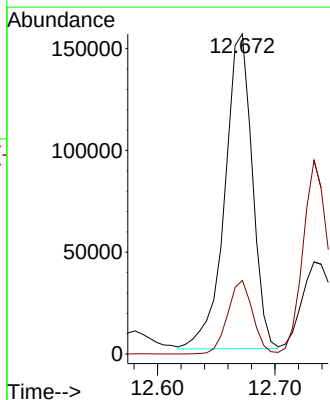
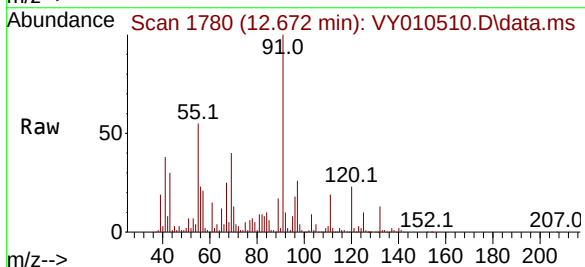
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

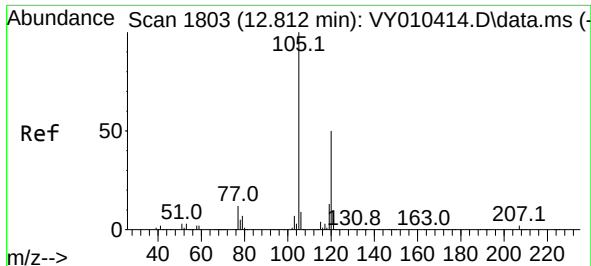
Tgt Ion:105 Resp: 255900
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2



#78
n-propylbenzene
Concen: 41.247 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 91 Resp: 251912
Ion Ratio Lower Upper
91 100
120 21.2 11.3 33.9

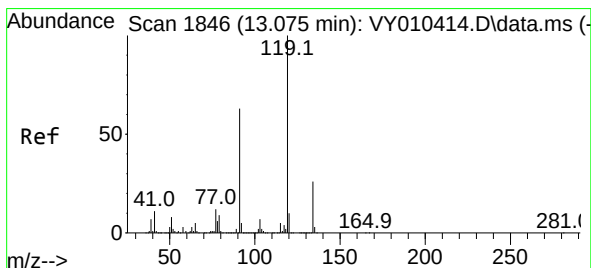
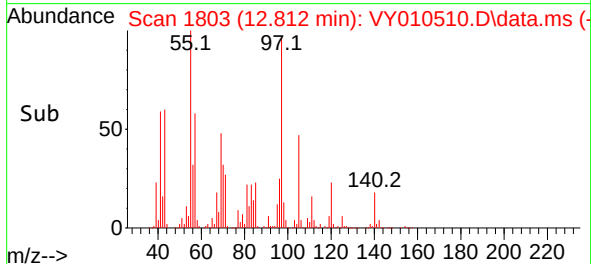
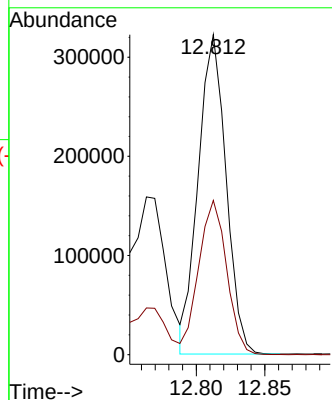
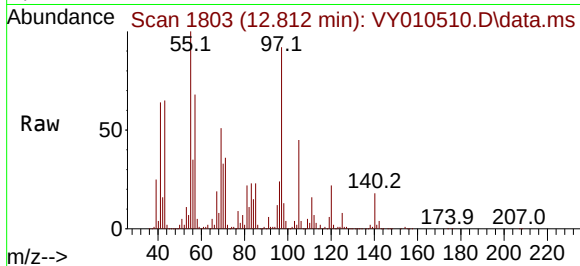




#80
1,3,5-Trimethylbenzene
Concen: 104.324 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

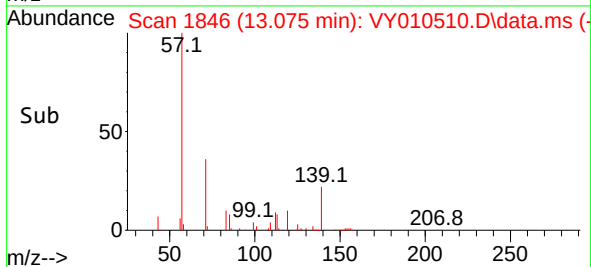
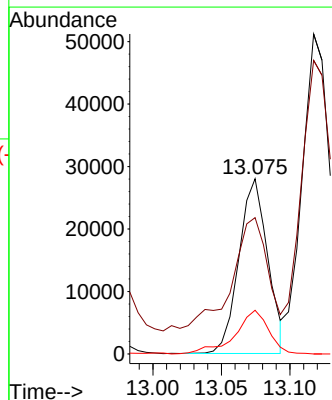
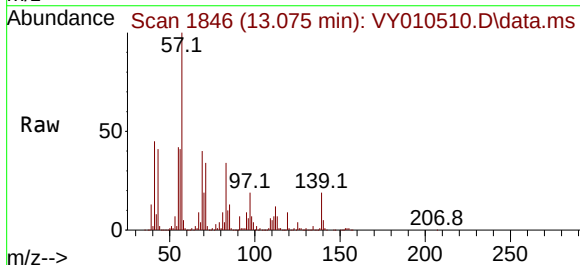
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

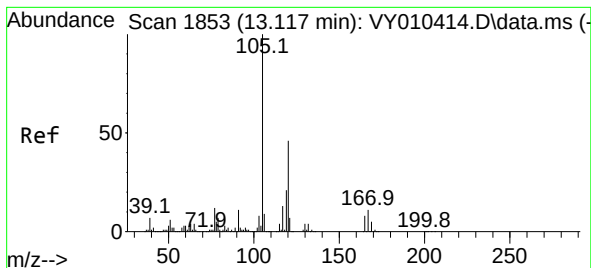
Tgt Ion:105 Resp: 453988
Ion Ratio Lower Upper
105 100
120 48.7 24.4 73.4



#83
tert-Butylbenzene
Concen: 10.780 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion:119 Resp: 41003
Ion Ratio Lower Upper
119 100
91 80.9 34.8 104.4
134 29.3 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 141.368 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY010510.D

Acq: 15 Sep 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

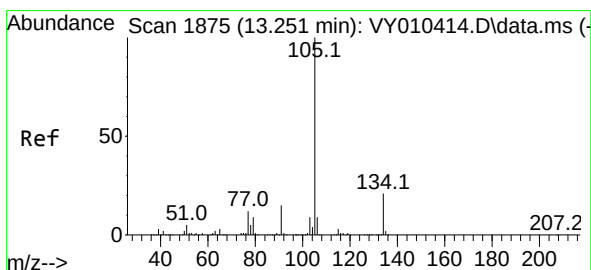
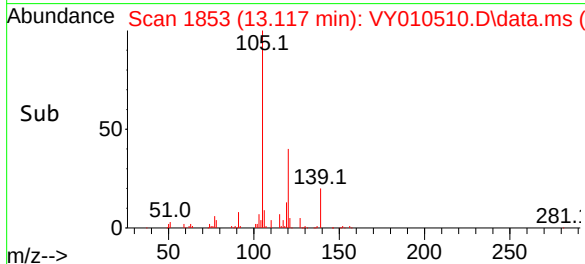
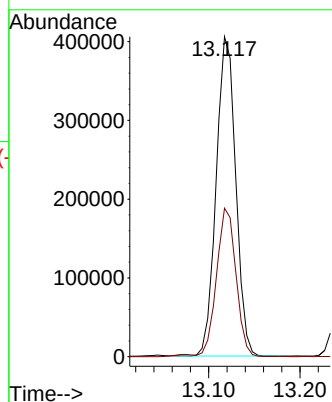
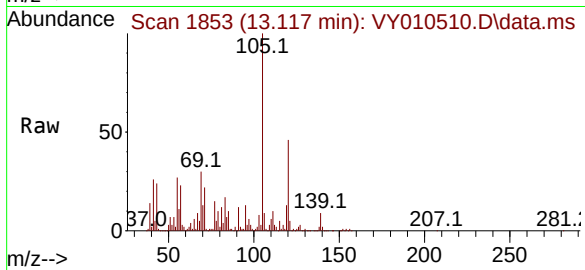
WC-17-4-1

Tgt Ion:105 Resp: 601939

Ion Ratio Lower Upper

105 100

120 46.2 22.3 66.9



#85

sec-Butylbenzene

Concen: 49.565 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010510.D

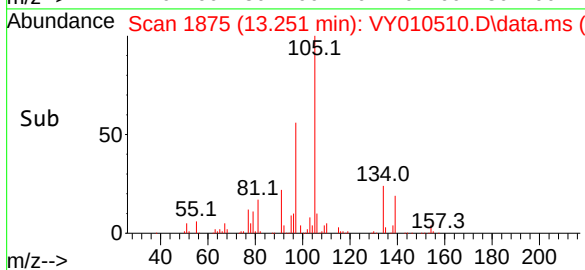
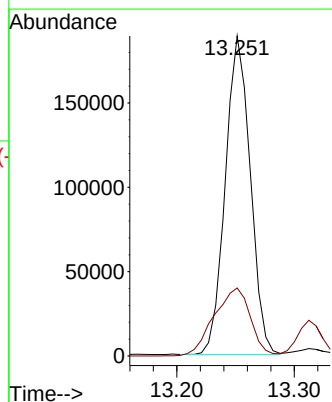
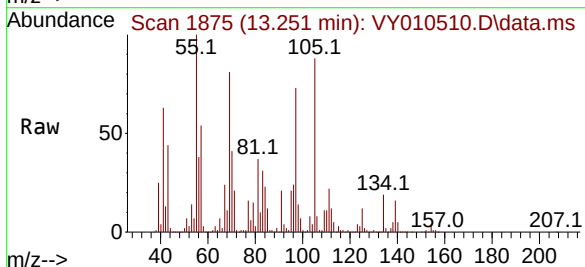
Acq: 15 Sep 2022 14:52

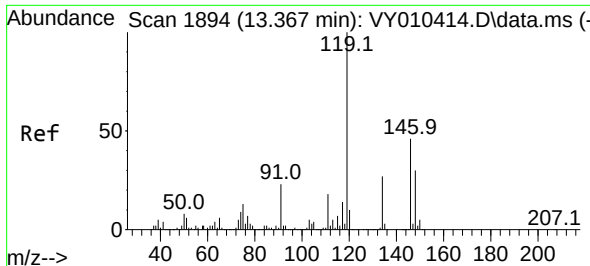
Tgt Ion:105 Resp: 279153

Ion Ratio Lower Upper

105 100

134 31.1 10.2 30.4#

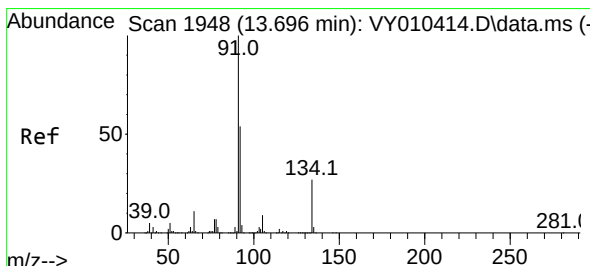
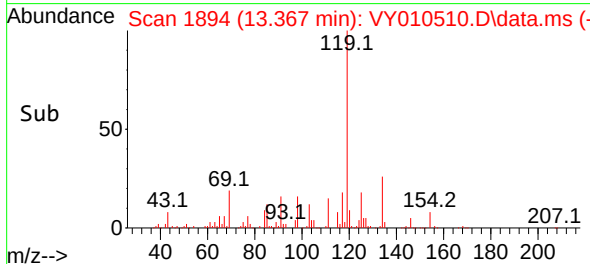
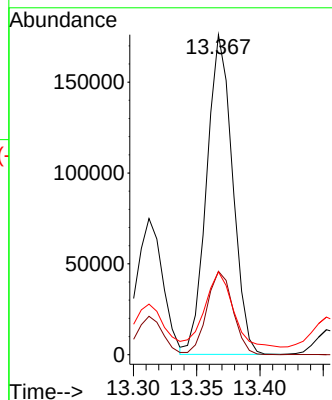
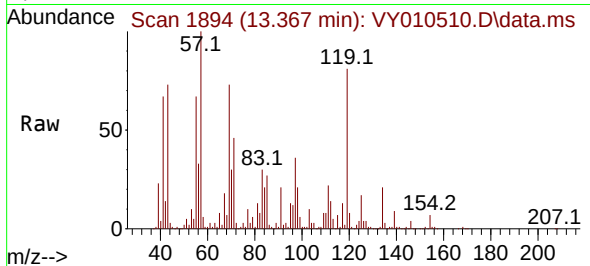




#86
p-Isopropyltoluene
Concen: 52.486 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1

Tgt Ion:119 Resp: 250043
Ion Ratio Lower Upper
119 100
134 26.1 13.2 39.5
91 25.3 12.4 37.2



#89
n-Butylbenzene
Concen: 38.169 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010510.D
Acq: 15 Sep 2022 14:52

Tgt Ion: 91 Resp: 165056
Ion Ratio Lower Upper
91 100
92 41.0 26.3 78.9
134 0.0 13.0 38.9#

