

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010521.D
 Acq On : 15 Sep 2022 19:10
 Operator : KP/MD
 Sample : N4630-09
 Misc : 3.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-2-GR

Quant Time: Sep 16 02:57:39 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)

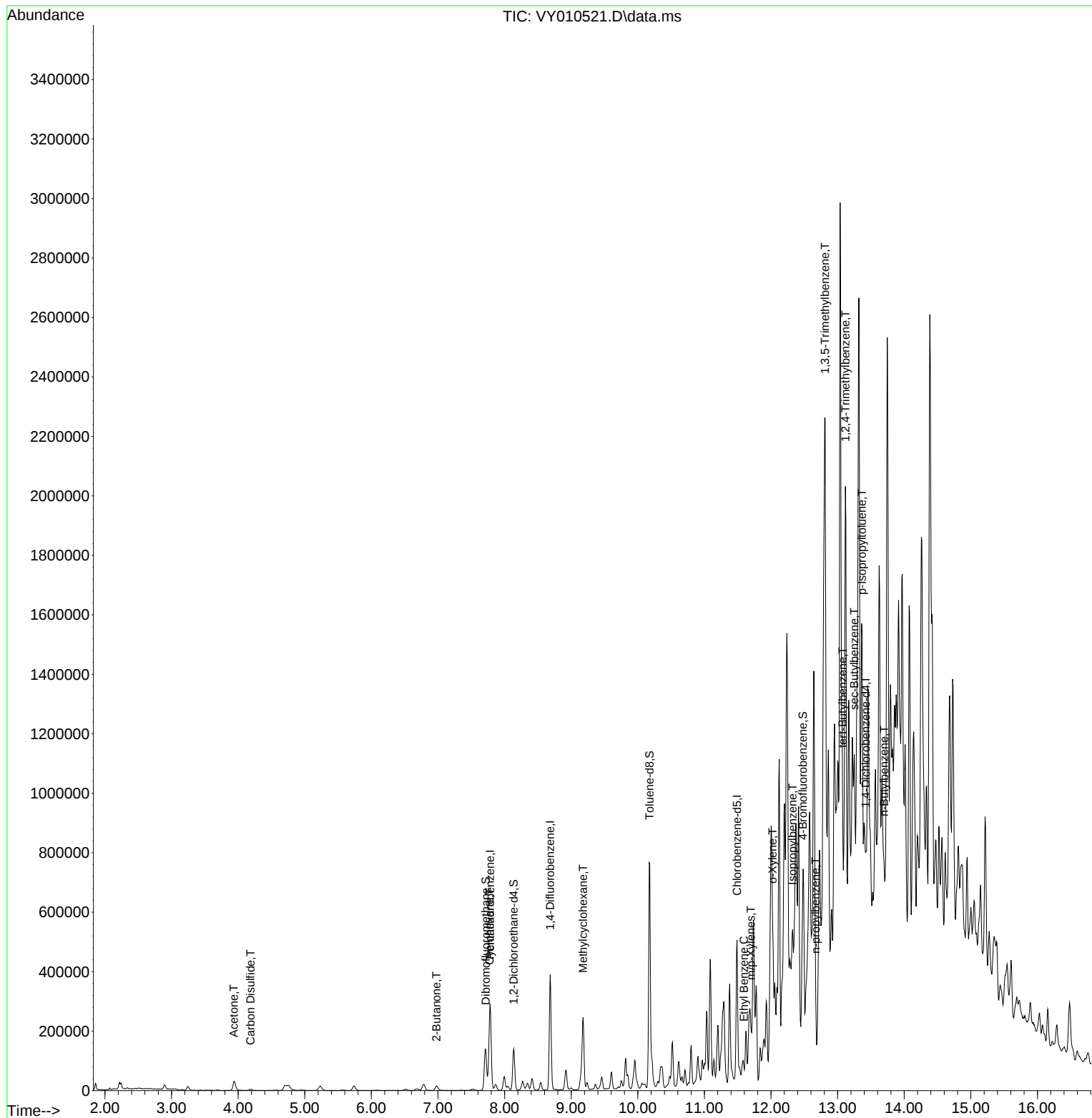
Internal Standards						
1) Pentafluorobenzene	7.783	168	199397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	251855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	80776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108329	53.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.880%	
35) Dibromofluoromethane	7.716	113	100084	42.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.340%	
50) Toluene-d8	10.179	98	383651	50.470	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.940%	
62) 4-Bromofluorobenzene	12.477	95	116452	37.055	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.120%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	53877	116.902	ug/l	93
17) Carbon Disulfide	4.186	76	6499	1.250	ug/l	99
25) 2-Butanone	6.978	43	18541	25.314	ug/l #	85
31) Cyclohexane	7.777	56	25439	7.498	ug/l #	83
39) Methylcyclohexane	9.179	83	100569	25.119	ug/l	94
67) Ethyl Benzene	11.593	91	12301	1.234	ug/l	98
68) m/p-Xylenes	11.697	106	32518	8.309	ug/l	100
69) o-Xylene	12.026	106	60444	16.175	ug/l	97
73) Isopropylbenzene	12.325	105	77674	12.324	ug/l	99
78) n-propylbenzene	12.672	91	58084	7.783	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	227648	42.810	ug/l	99
83) tert-Butylbenzene	13.075	119	31029	6.676	ug/l	77
84) 1,2,4-Trimethylbenzene	13.117	105	697935	134.138	ug/l	97
85) sec-Butylbenzene	13.251	105	108696	15.794	ug/l #	69
86) p-Isopropyltoluene	13.367	119	205517	35.303	ug/l	100
89) n-Butylbenzene	13.696	91	64056	12.122	ug/l #	72

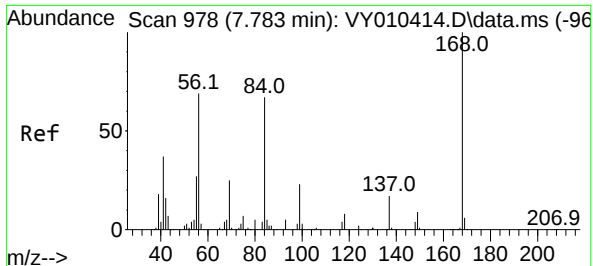
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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WC-17-4-2-GR

Quant Time: Sep 16 02:57:39 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

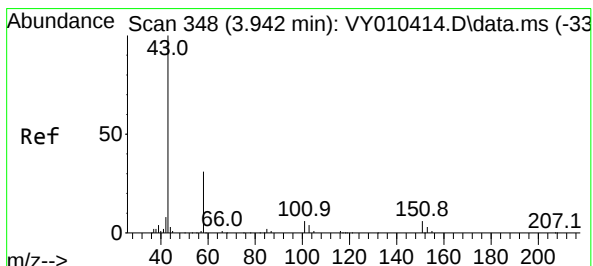
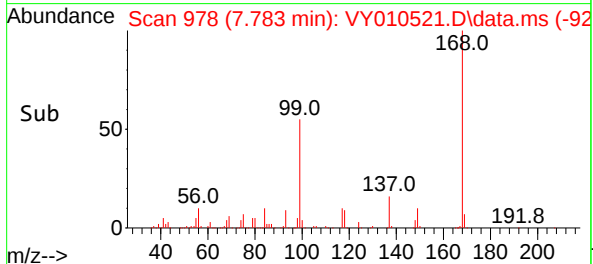
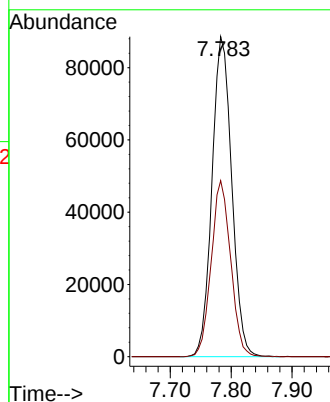
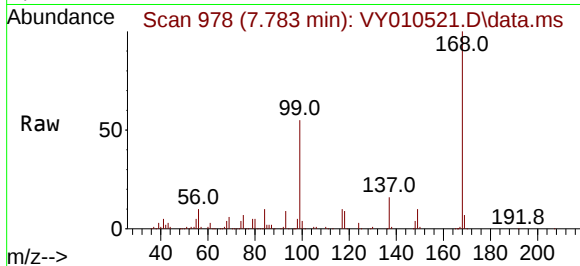




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

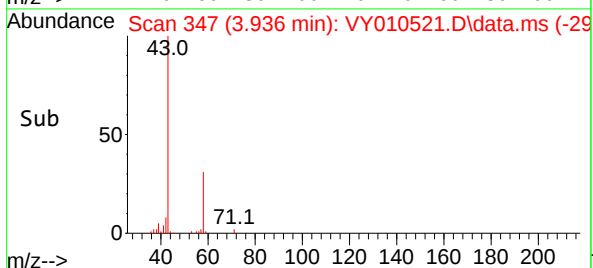
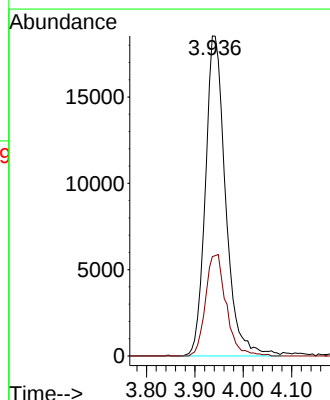
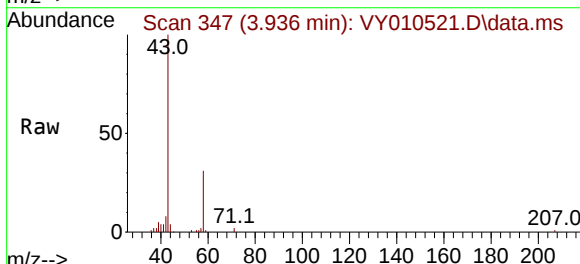
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

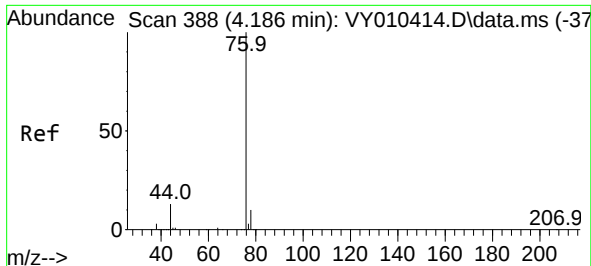
Tgt Ion:168 Resp: 199397
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#16
Acetone
Concen: 116.902 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion: 43 Resp: 53877
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0

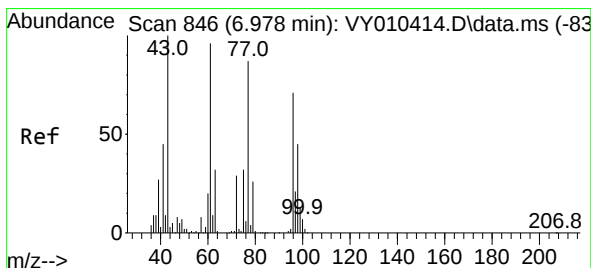
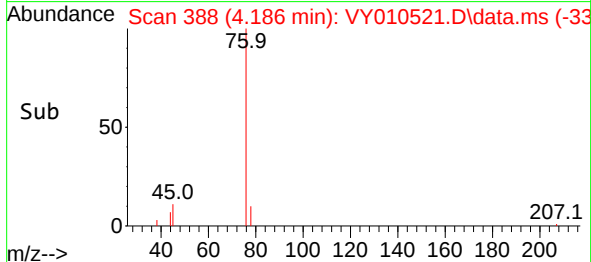
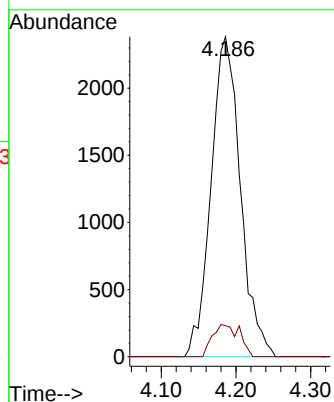
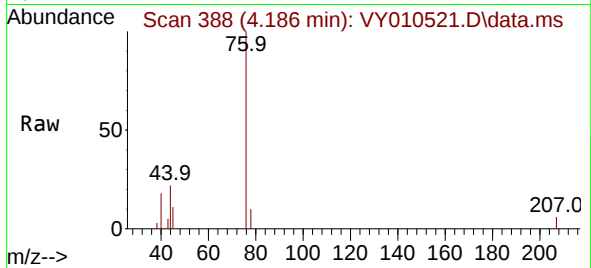




#17
Carbon Disulfide
Concen: 1.250 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

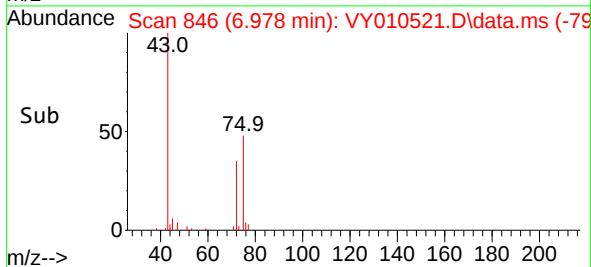
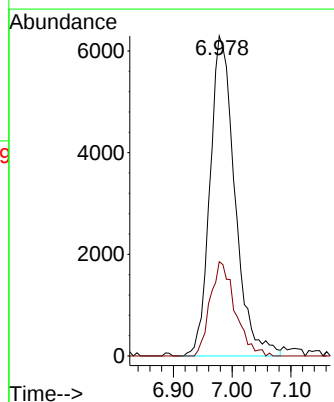
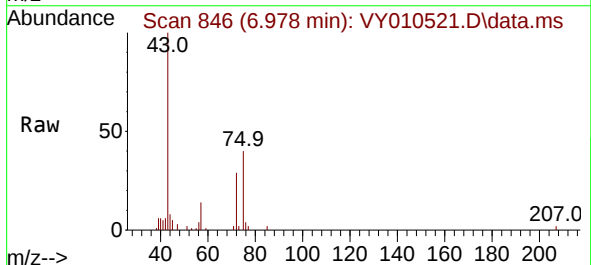
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

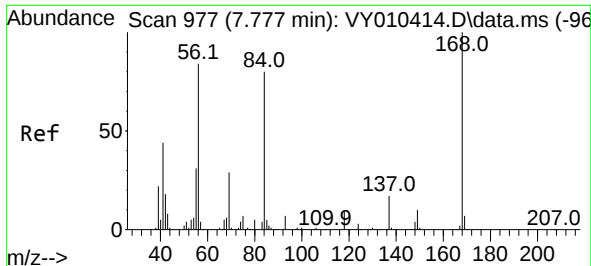
Tgt Ion: 76 Resp: 6499
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#25
2-Butanone
Concen: 25.314 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion: 43 Resp: 18541
Ion Ratio Lower Upper
43 100
72 29.4 17.7 26.5#

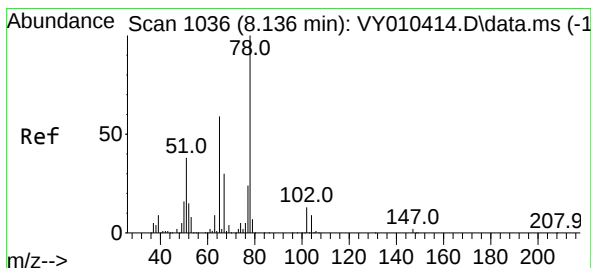
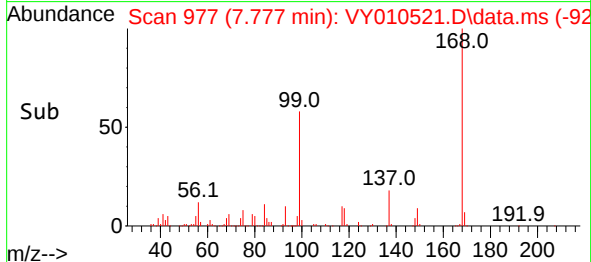
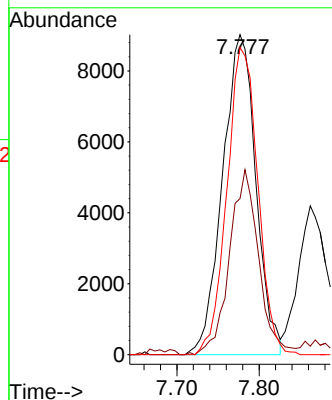
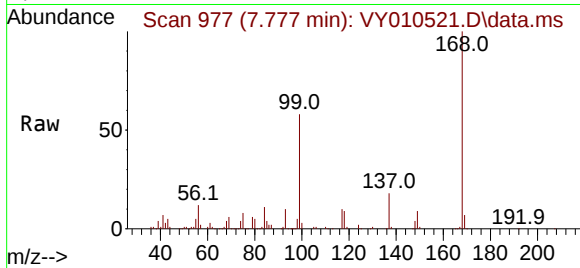




#31
Cyclohexane
Concen: 7.498 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

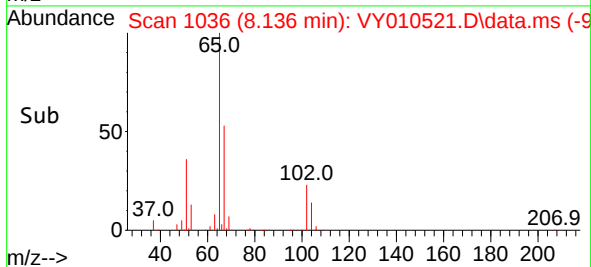
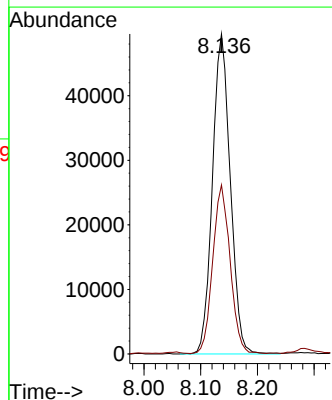
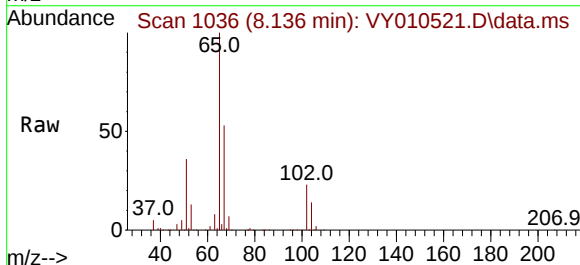
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

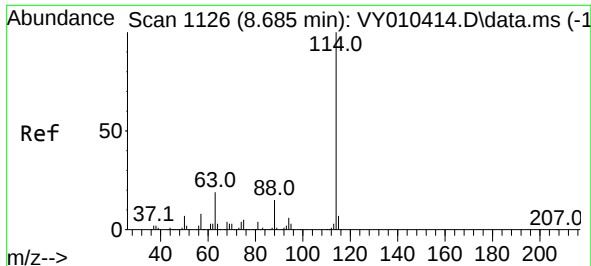
Tgt Ion: 56 Resp: 25439
Ion Ratio Lower Upper
56 100
69 48.8 26.7 40.1#
84 96.0 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 53.942 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion: 65 Resp: 108329
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.4

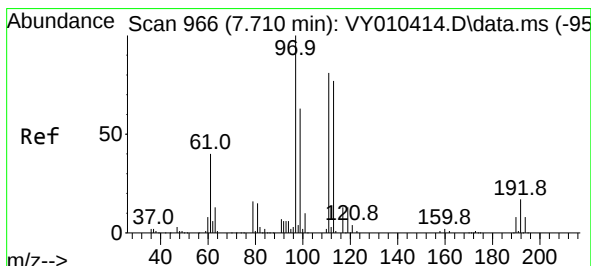
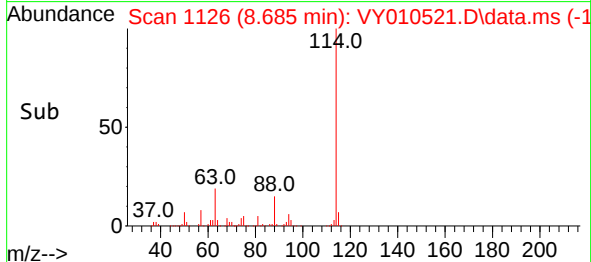
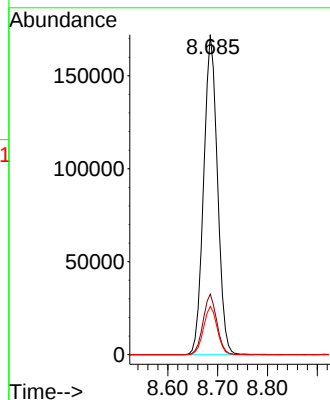
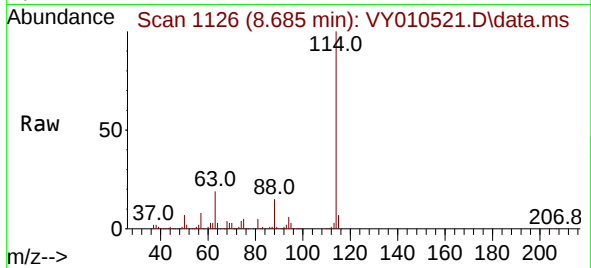




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

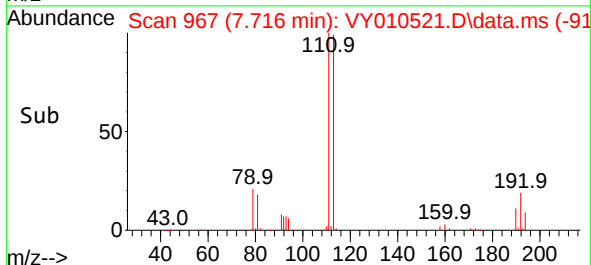
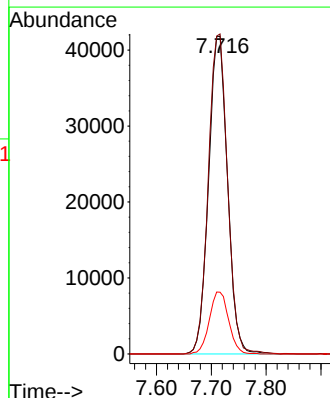
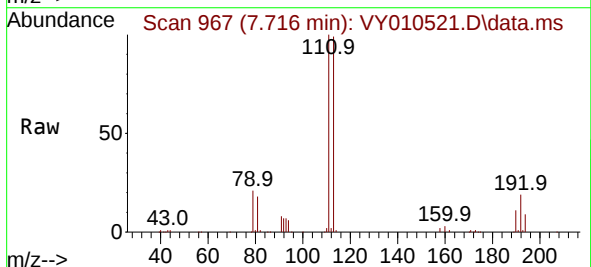
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

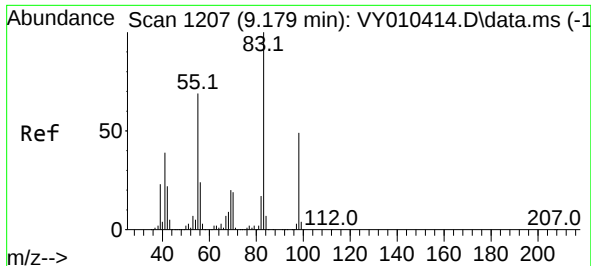
Tgt Ion:114 Resp: 330254
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.2
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 42.671 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion:113 Resp: 100084
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 19.9 17.6 26.4





#39

Methylcyclohexane

Concen: 25.119 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.000 min

Lab File: VY010521.D

Acq: 15 Sep 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

WC-17-4-2-GR

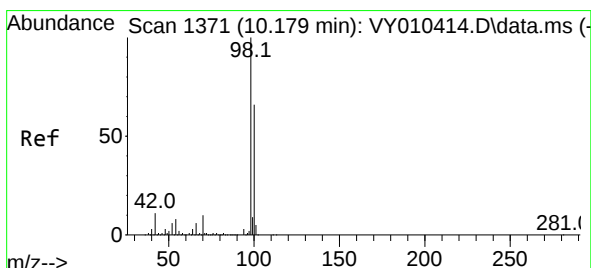
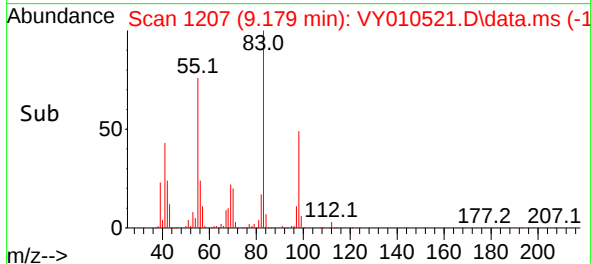
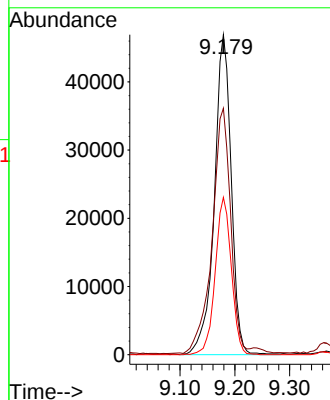
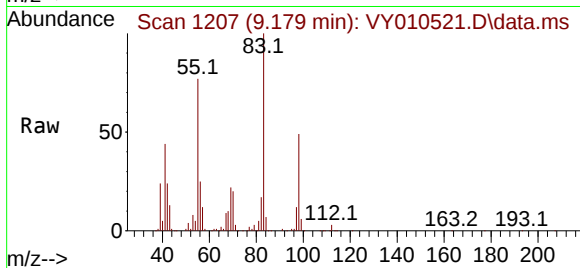
Tgt Ion: 83 Resp: 100569

Ion Ratio Lower Upper

83 100

55 76.4 66.5 99.7

98 49.2 37.9 56.9



#50

Toluene-d8

Concen: 50.470 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010521.D

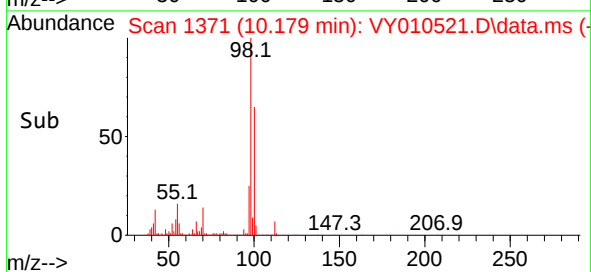
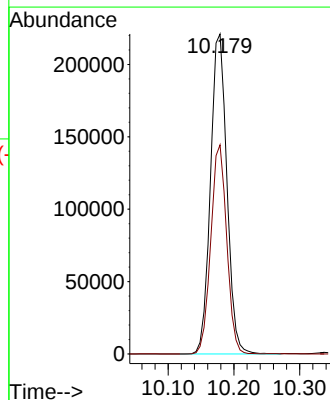
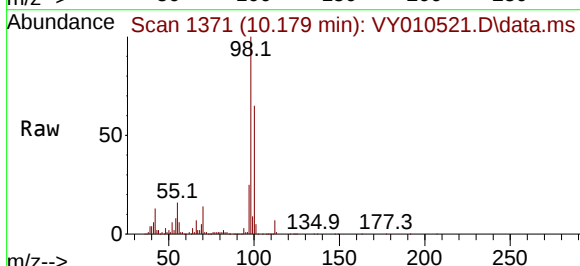
Acq: 15 Sep 2022 19:10

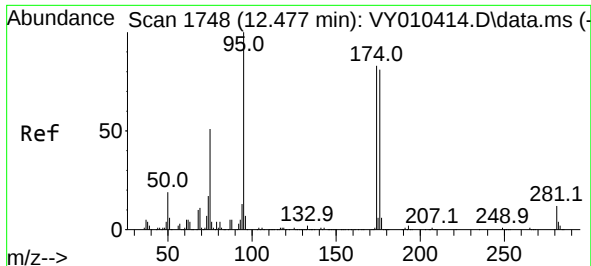
Tgt Ion: 98 Resp: 383651

Ion Ratio Lower Upper

98 100

100 63.4 50.2 75.2

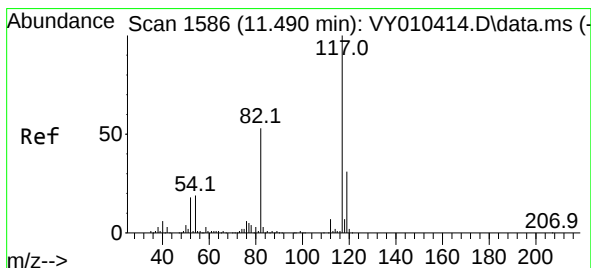
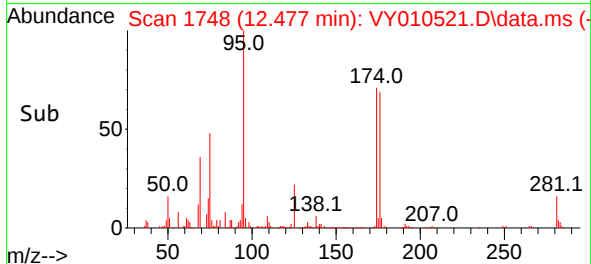
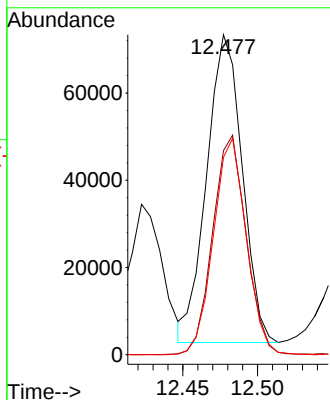
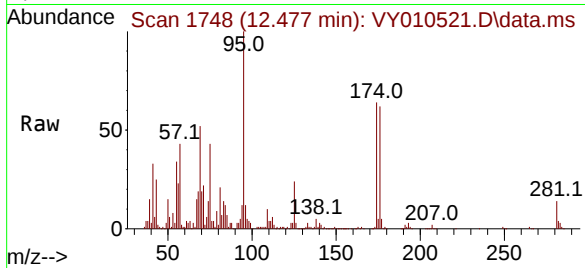




#62
4-Bromofluorobenzene
Concen: 37.055 ug/l
RT: 12.477 min Scan# 116452
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

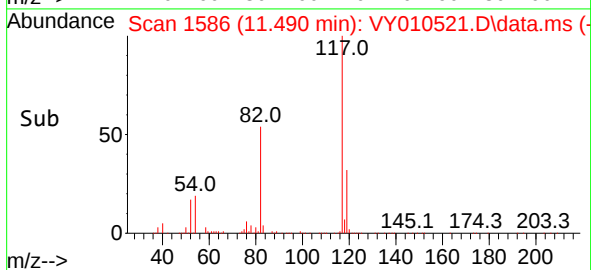
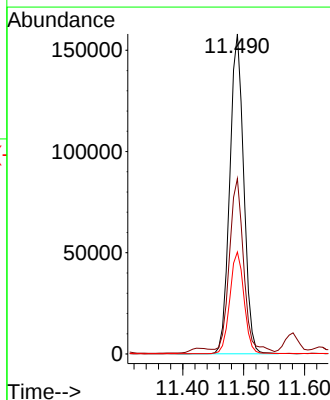
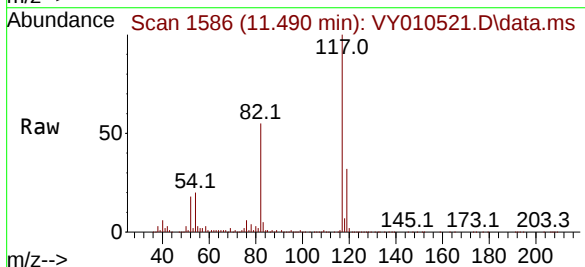
Instrument :
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WC-17-4-2-GR

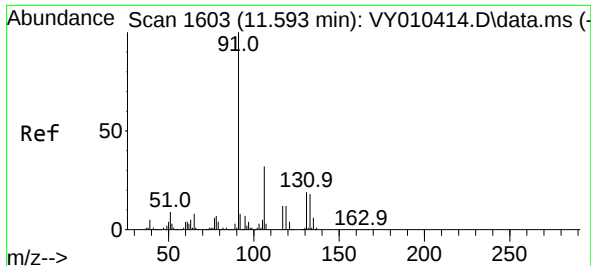
Tgt Ion: 95 Resp: 116452
Ion Ratio Lower Upper
95 100
174 67.2 0.0 177.0
176 65.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion: 117 Resp: 251855
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 31.8 25.4 38.0





#67

Ethyl Benzene

Concen: 1.234 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY010521.D

Acq: 15 Sep 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

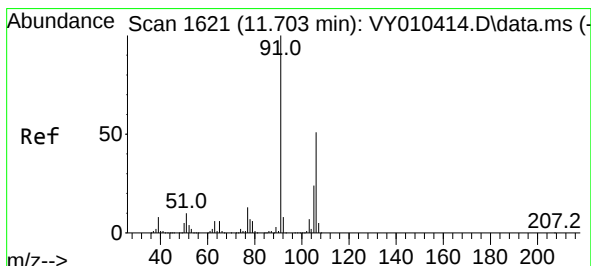
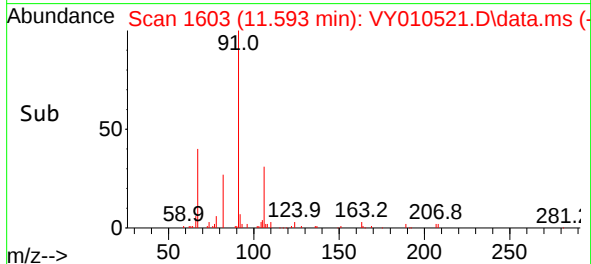
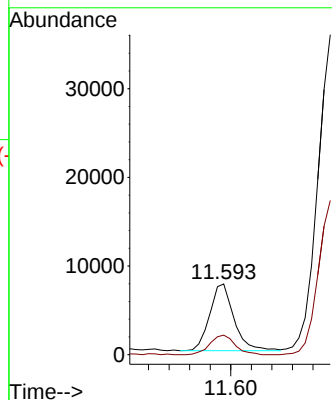
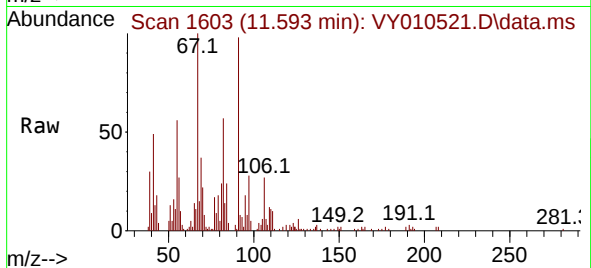
WC-17-4-2-GR

Tgt Ion: 91 Resp: 12301

Ion Ratio Lower Upper

91 100

106 29.2 24.5 36.7



#68

m/p-Xylenes

Concen: 8.309 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY010521.D

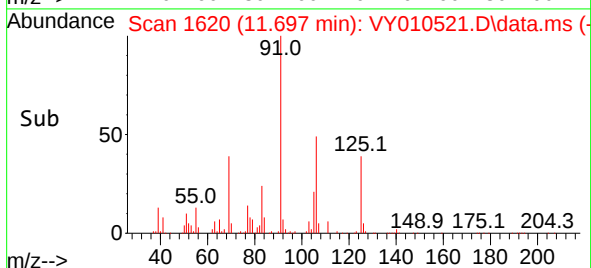
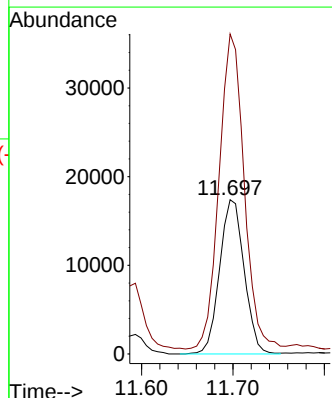
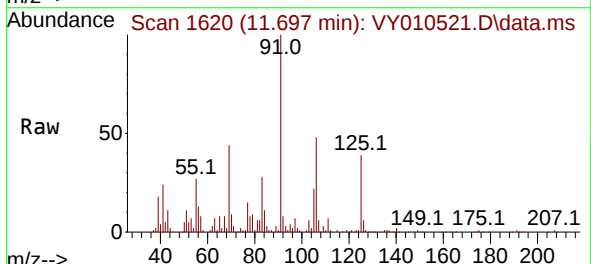
Acq: 15 Sep 2022 19:10

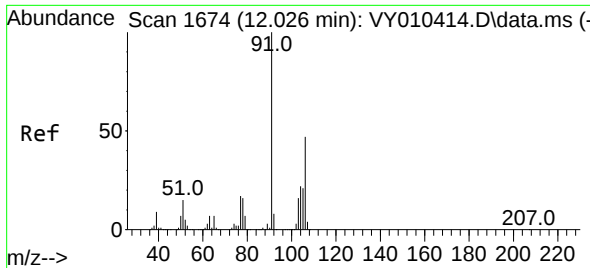
Tgt Ion: 106 Resp: 32518

Ion Ratio Lower Upper

106 100

91 208.2 166.6 249.8

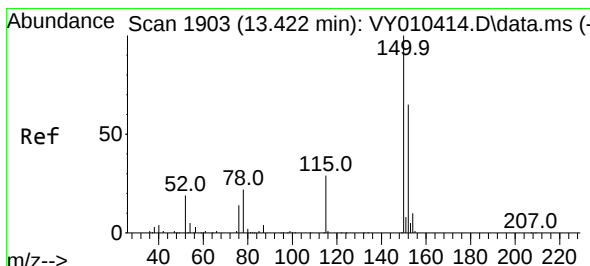
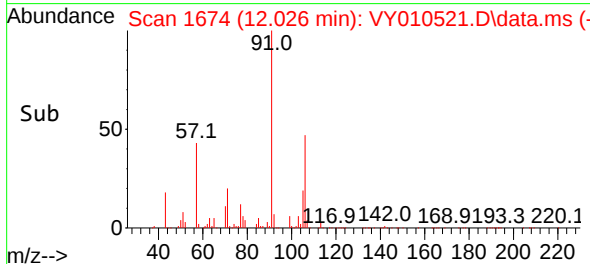
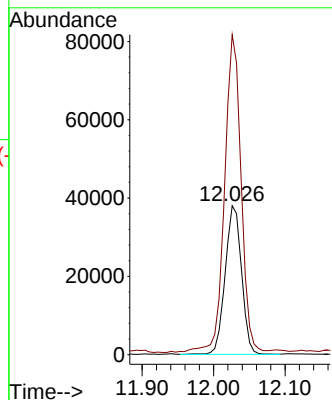
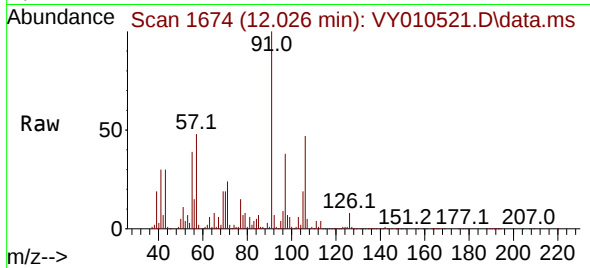




#69
o-Xylene
Concen: 16.175 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

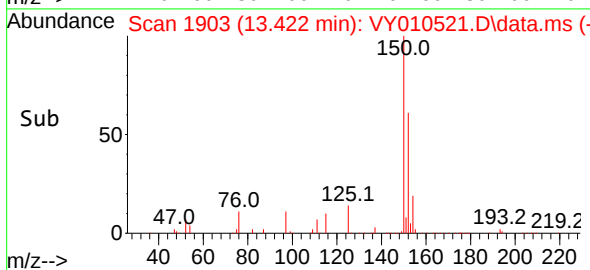
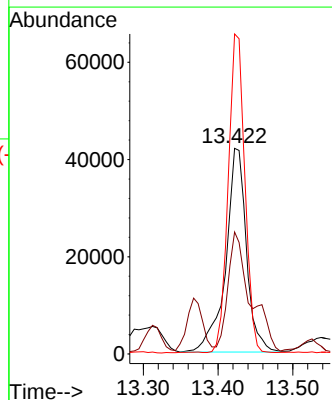
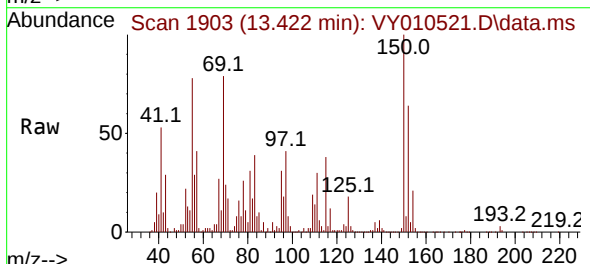
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

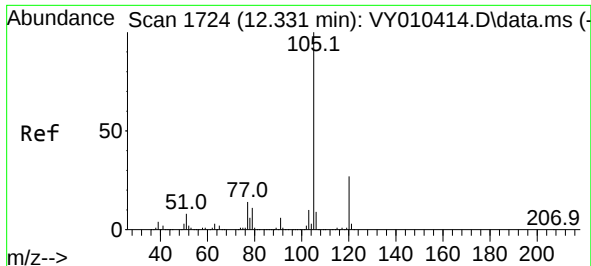
Tgt Ion:106 Resp: 60444
Ion Ratio Lower Upper
106 100
91 215.8 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion:152 Resp: 80776
Ion Ratio Lower Upper
152 100
115 63.5 28.2 84.7
150 125.2 0.0 347.6

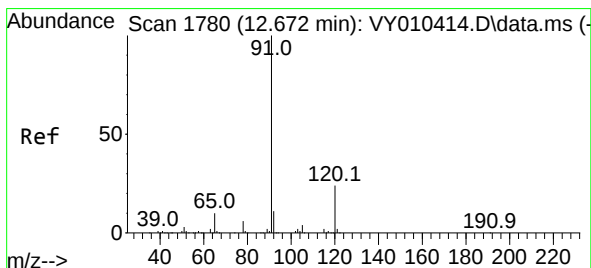
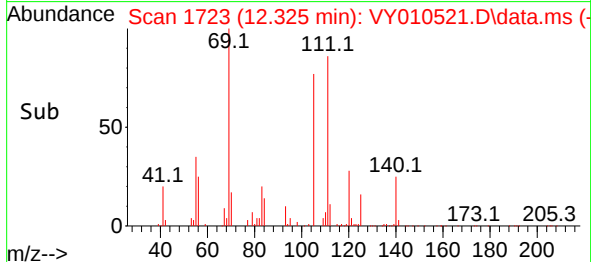
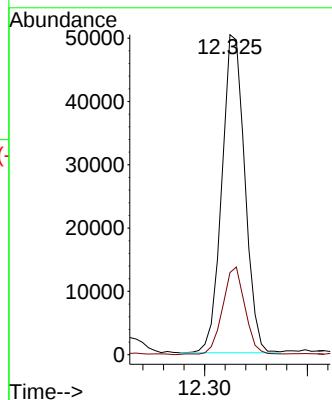
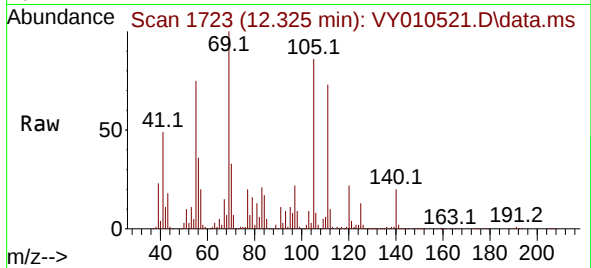




#73
Isopropylbenzene
Concen: 12.324 ug/l
RT: 12.325 min Scan# 1724
Delta R.T. -0.006 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

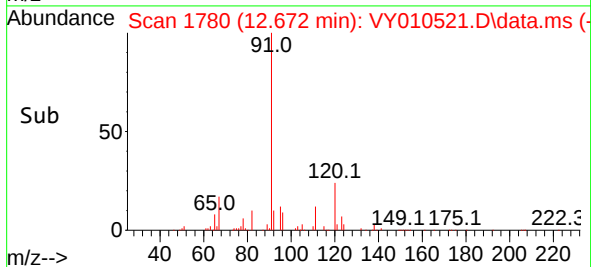
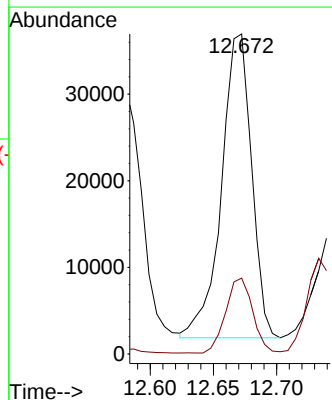
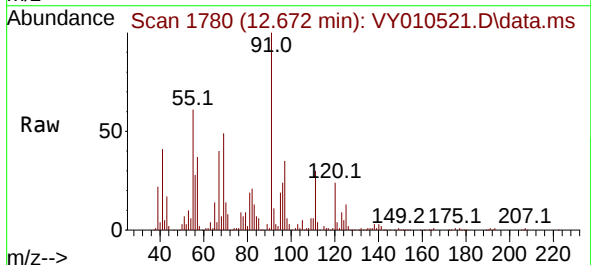
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

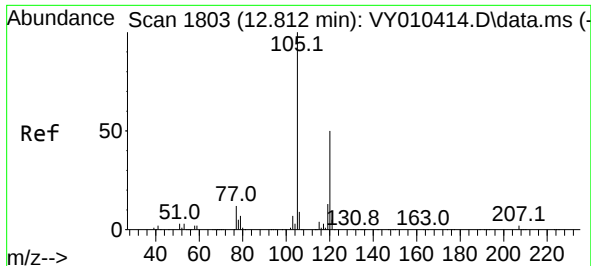
Tgt Ion:105 Resp: 77674
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2



#78
n-propylbenzene
Concen: 7.783 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion: 91 Resp: 58084
Ion Ratio Lower Upper
91 100
120 22.1 11.3 33.9

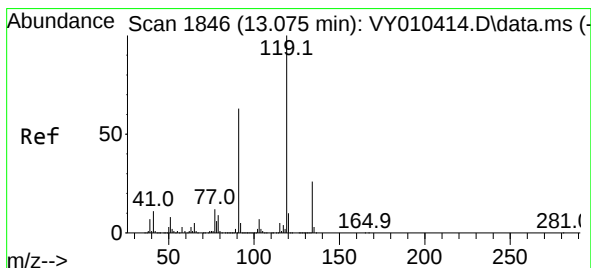
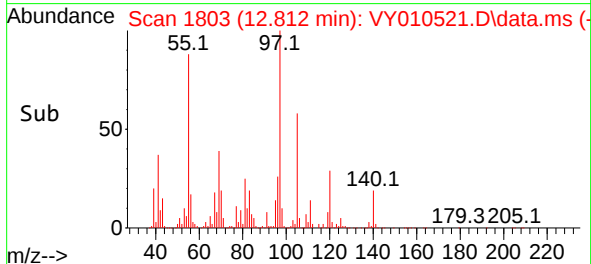
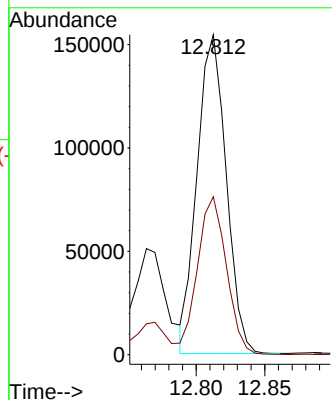
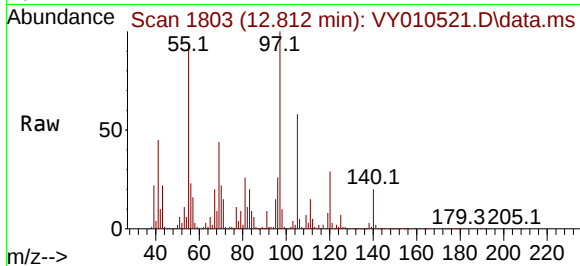




#80
1,3,5-Trimethylbenzene
Concen: 42.810 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

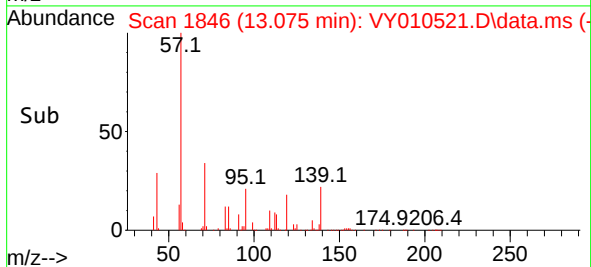
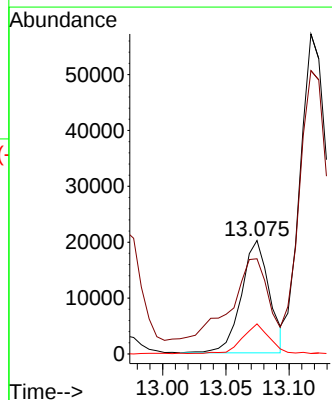
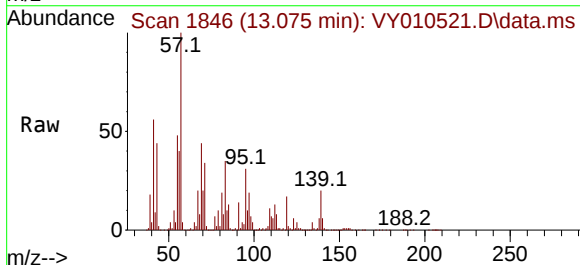
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

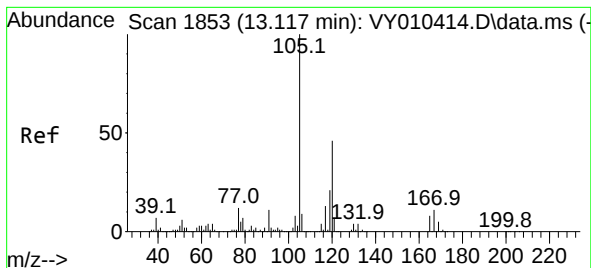
Tgt Ion:105 Resp: 227648
Ion Ratio Lower Upper
105 100
120 49.8 24.4 73.4



#83
tert-Butylbenzene
Concen: 6.676 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion:119 Resp: 31029
Ion Ratio Lower Upper
119 100
91 94.6 34.8 104.4
134 25.6 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 134.138 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY010521.D

Acq: 15 Sep 2022 19:10

Instrument :

MSVOA_Y

ClientSampleId :

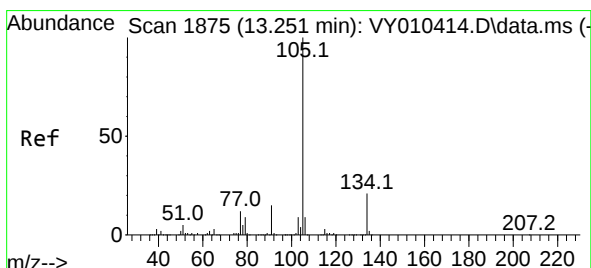
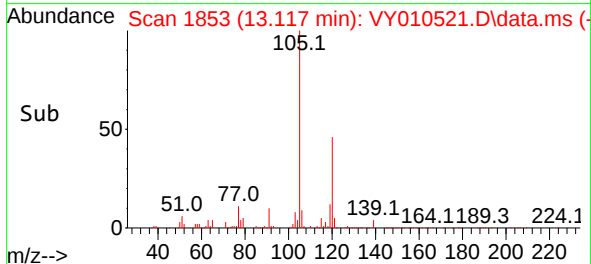
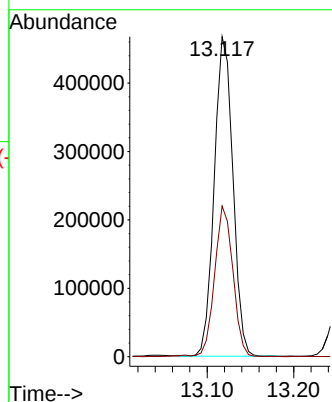
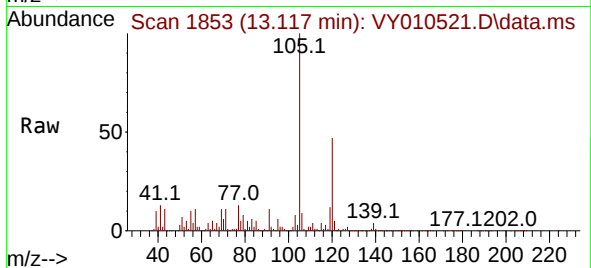
WC-17-4-2-GR

Tgt Ion:105 Resp: 697935

Ion Ratio Lower Upper

105 100

120 46.5 22.3 66.9



#85

sec-Butylbenzene

Concen: 15.794 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010521.D

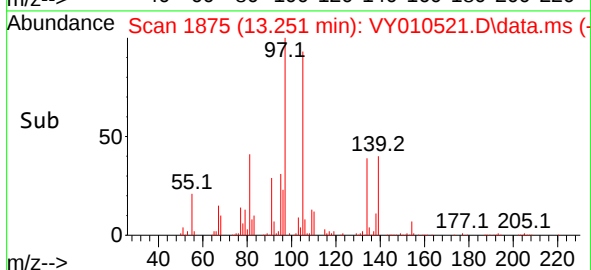
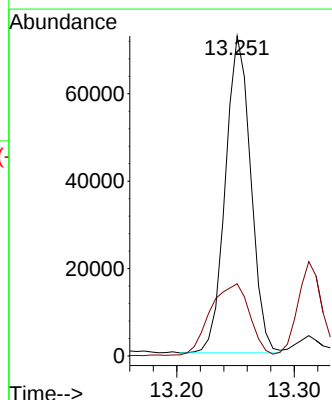
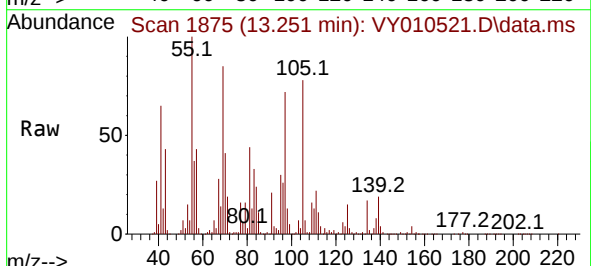
Acq: 15 Sep 2022 19:10

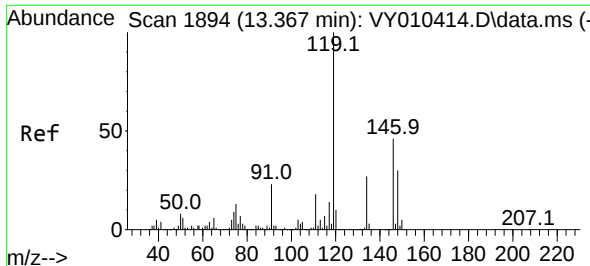
Tgt Ion:105 Resp: 108696

Ion Ratio Lower Upper

105 100

134 34.8 10.2 30.4#

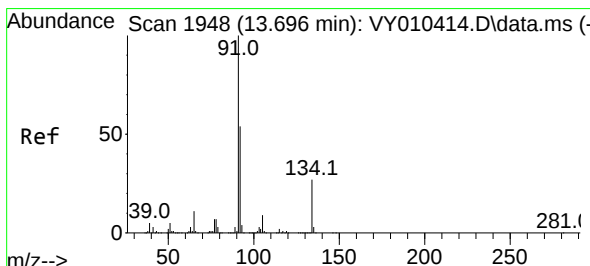
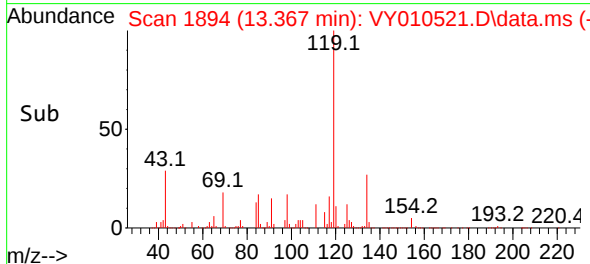
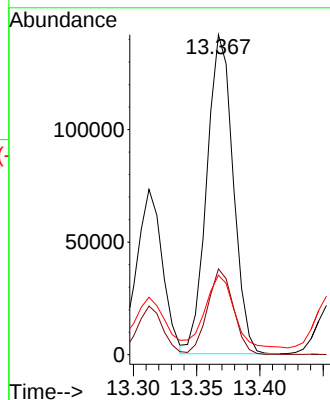
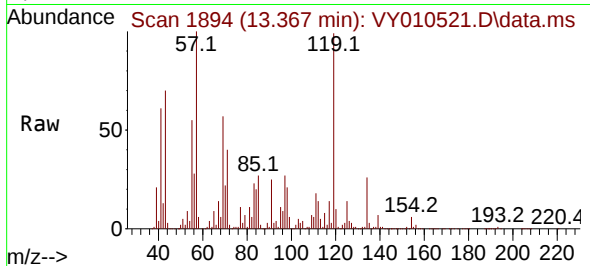




#86
p-Isopropyltoluene
Concen: 35.303 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-2-GR

Tgt Ion:119 Resp: 205517
Ion Ratio Lower Upper
119 100
134 26.0 13.2 39.5
91 25.0 12.4 37.2



#89
n-Butylbenzene
Concen: 12.122 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010521.D
Acq: 15 Sep 2022 19:10

Tgt Ion: 91 Resp: 64056
Ion Ratio Lower Upper
91 100
92 64.4 26.3 78.9
134 0.0 13.0 38.9#

