

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009206.D
 Acq On : 16 Jun 2022 16:47
 Operator : KP/MD
 Sample : N3334-09
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-8

Quant Time: Jun 16 17:56:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	213521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	312888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137679	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109975	49.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.620%
35) Dibromofluoromethane	7.709	113	107138	47.934	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.860%
50) Toluene-d8	10.179	98	458588	53.899	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.800%
62) 4-Bromofluorobenzene	12.477	95	164013	54.246	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.500%

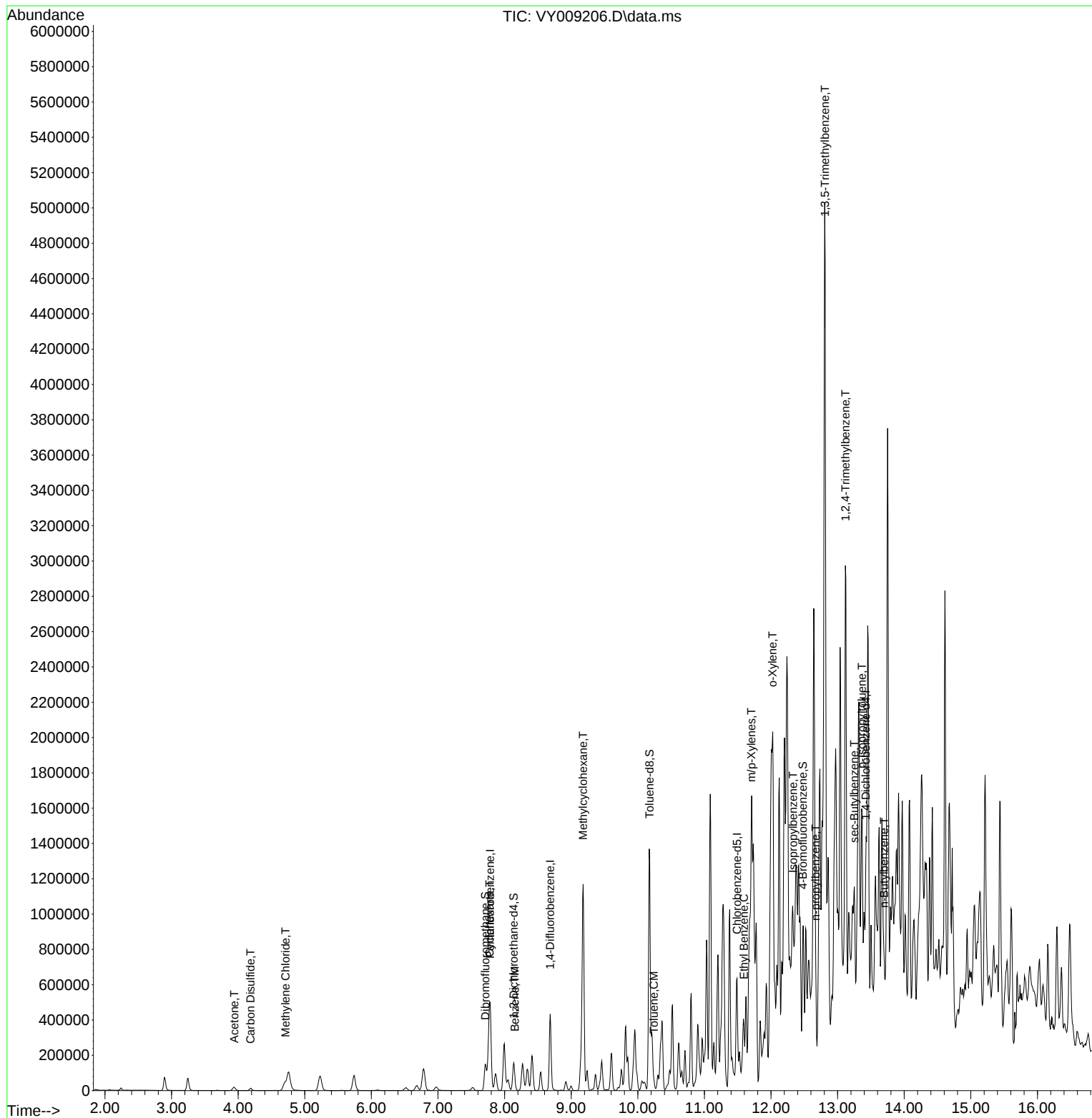
Target Compounds					Qvalue	
16) Acetone	3.942	43	24662	43.895	ug/l	93
17) Carbon Disulfide	4.186	76	21993	3.739	ug/l	98
20) Methylene Chloride	4.710	84	18534	4.723	ug/l	92
31) Cyclohexane	7.777	56	144694	36.215	ug/l	96
39) Methylcyclohexane	9.179	83	494623	119.328	ug/l	92
40) Benzene	8.155	78	14389	1.433	ug/l #	90
52) Toluene	10.240	92	20707	3.230	ug/l	96
67) Ethyl Benzene	11.593	91	178481	15.091	ug/l	97
68) m/p-Xylenes	11.703	106	126627	27.156	ug/l	95
69) o-Xylene	12.026	106	354660	80.276	ug/l	94
73) Isopropylbenzene	12.331	105	209738	20.241	ug/l	100
78) n-propylbenzene	12.672	91	320967	25.600	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	946318	109.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1265250	148.834	ug/l	97
85) sec-Butylbenzene	13.251	105	215722	19.132	ug/l #	74
86) p-Isopropyltoluene	13.367	119	237235	25.354	ug/l	99
89) n-Butylbenzene	13.696	91	102079	11.537	ug/l #	71

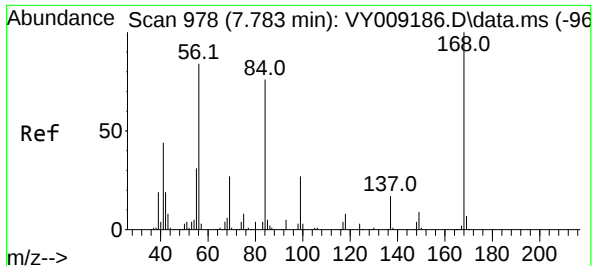
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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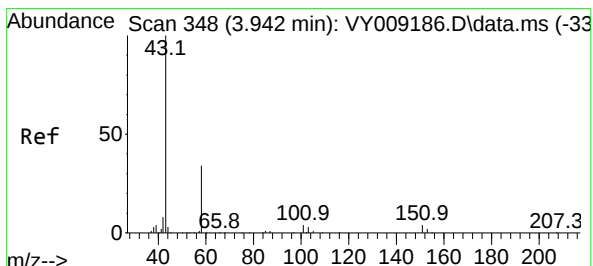
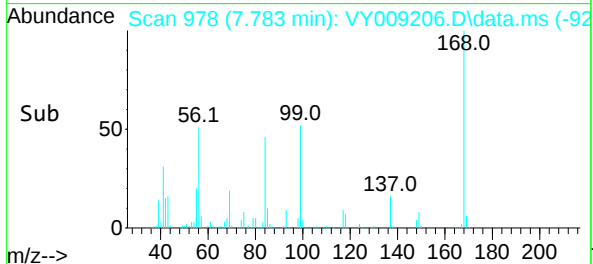
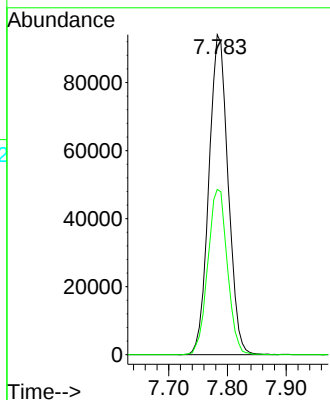
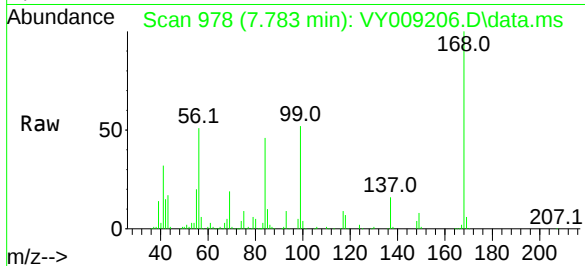




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

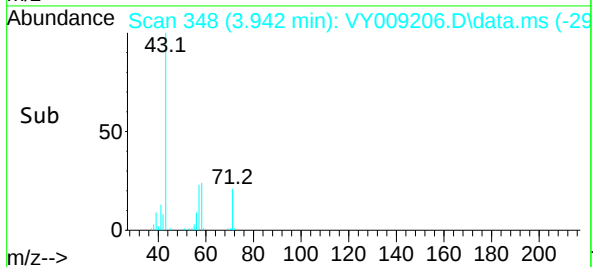
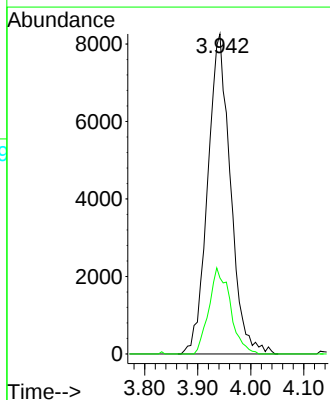
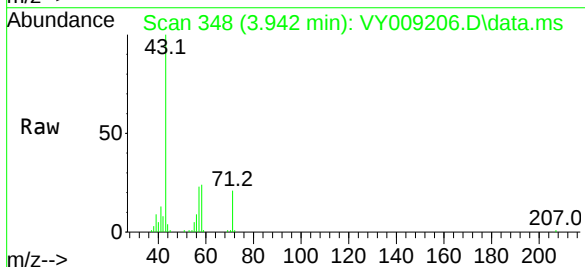
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-8

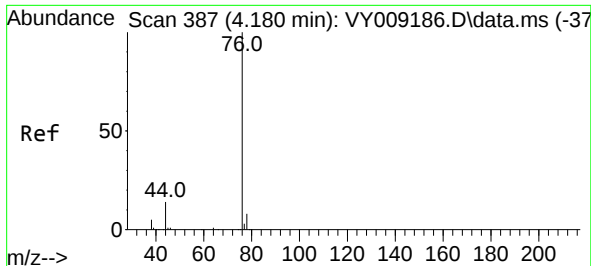
Tgt Ion:168 Resp: 213521
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#16
Acetone
Concen: 43.895 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion: 43 Resp: 24662
Ion Ratio Lower Upper
43 100
58 23.7 22.0 33.0

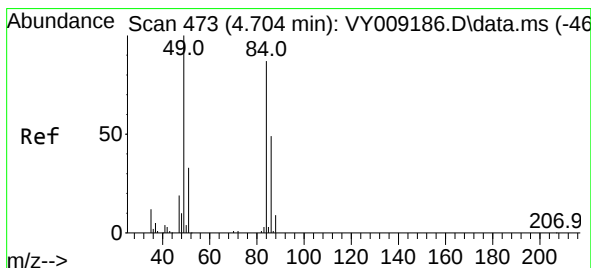
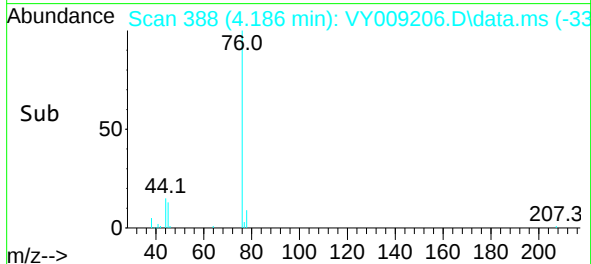
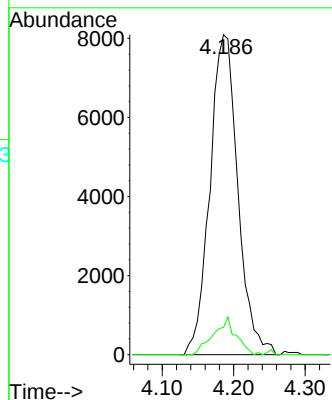
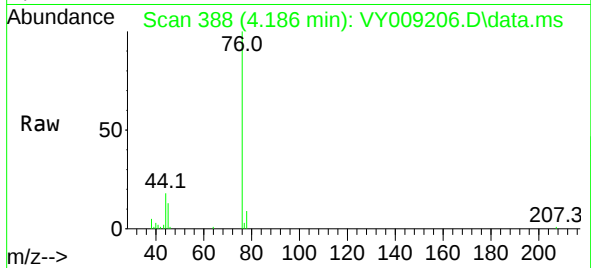




#17
Carbon Disulfide
Concen: 3.739 ug/l
RT: 4.186 min Scan# 387
Delta R.T. 0.006 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

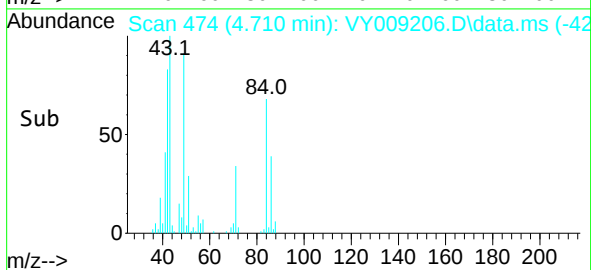
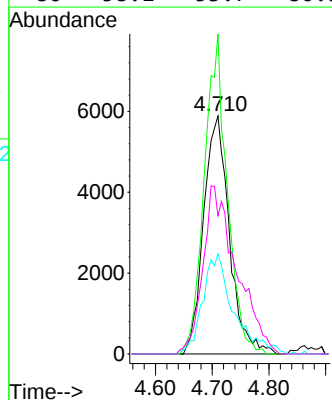
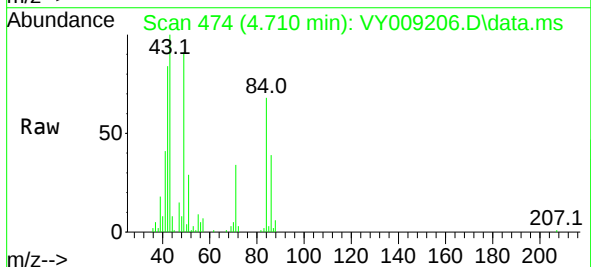
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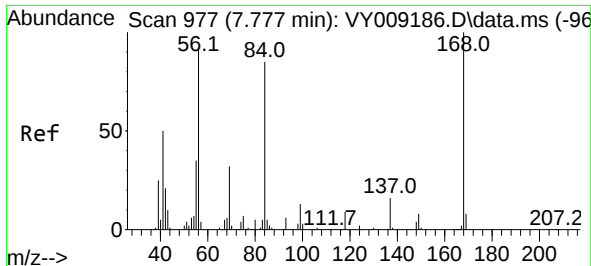
Tgt Ion: 76 Resp: 21993
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#20
Methylene Chloride
Concen: 4.723 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion: 84 Resp: 18534
Ion Ratio Lower Upper
84 100
49 134.5 114.4 171.6
51 40.9 35.3 52.9
86 58.1 53.7 80.5

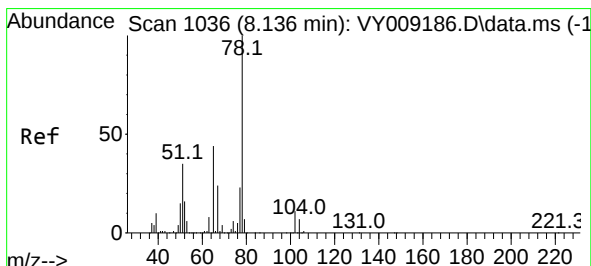
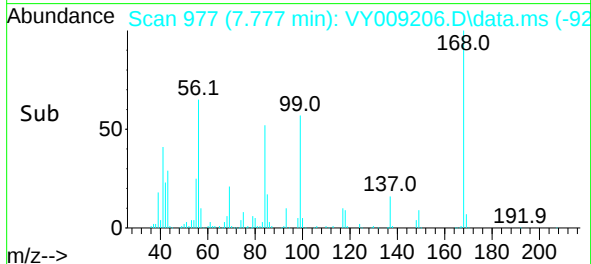
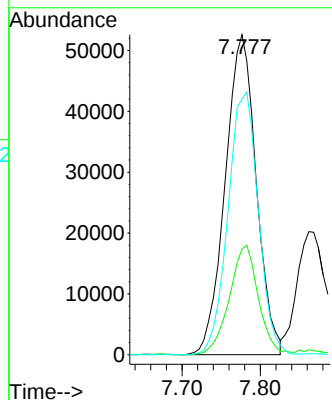
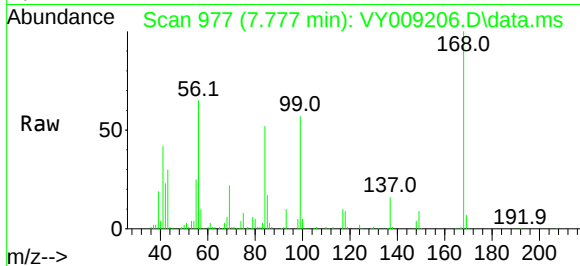




#31
Cyclohexane
Concen: 36.215 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

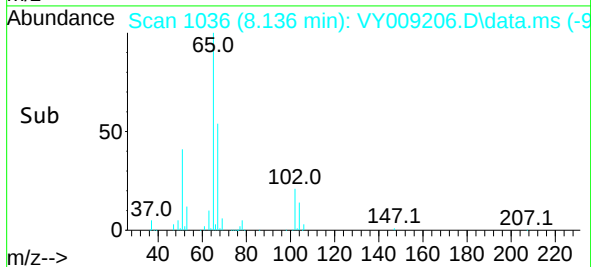
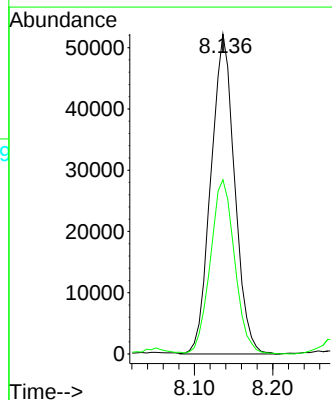
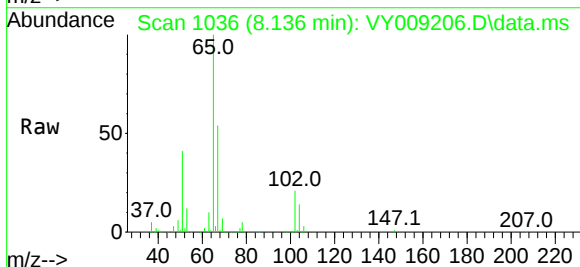
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-8

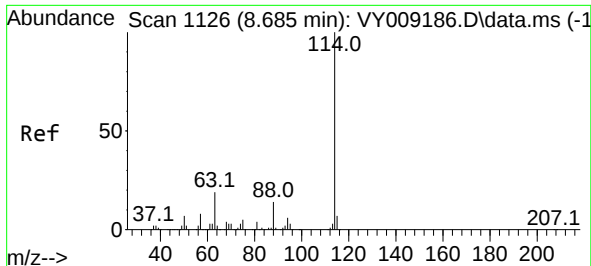
Tgt Ion: 56 Resp: 144694
Ion Ratio Lower Upper
56 100
69 32.8 26.7 40.1
84 79.9 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 49.306 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion: 65 Resp: 109975
Ion Ratio Lower Upper
65 100
67 55.8 0.0 99.4

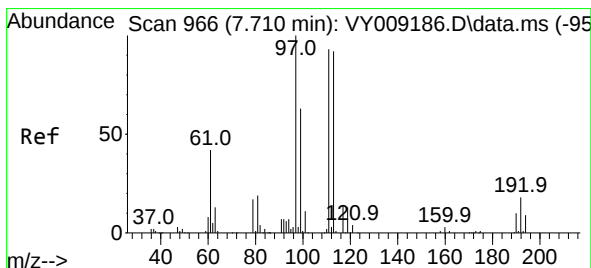
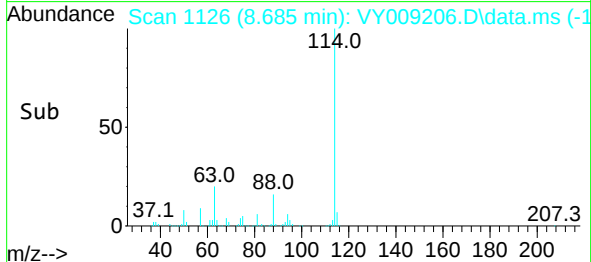
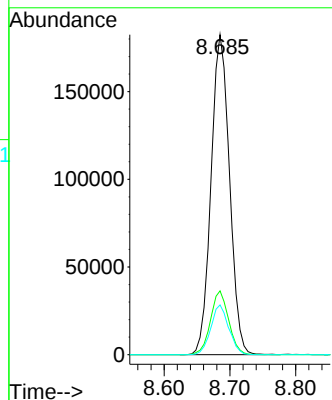
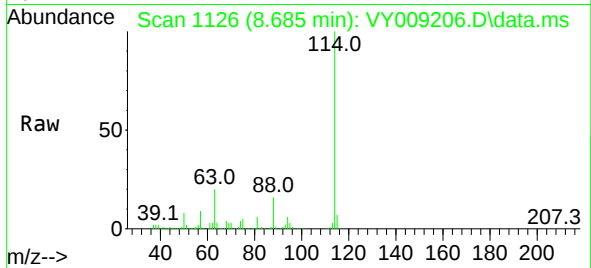




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

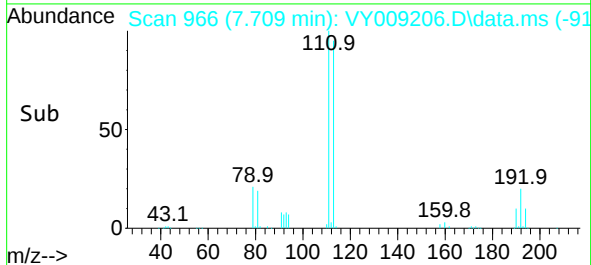
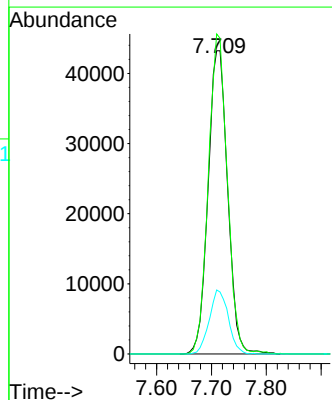
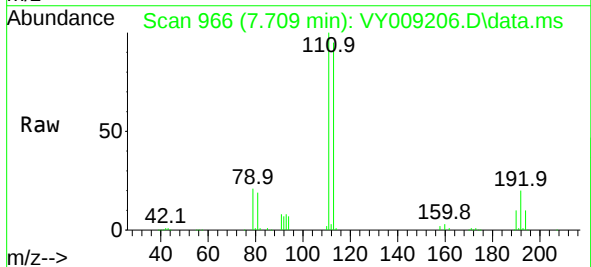
Instrument :
MSVOA_Y
ClientSampleId :
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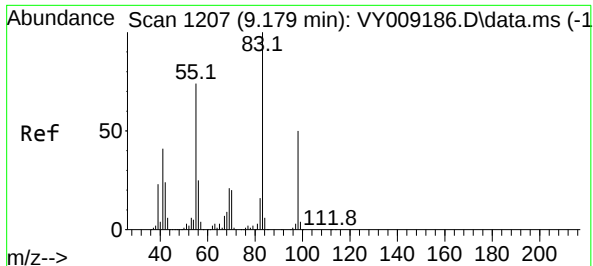
Tgt Ion:114 Resp: 356500
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.2
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.934 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion:113 Resp: 107138
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 20.4 17.6 26.4





#39

Methylcyclohexane

Concen: 119.328 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009206.D

Acq: 16 Jun 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-8

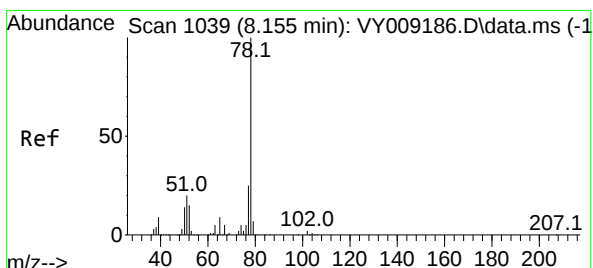
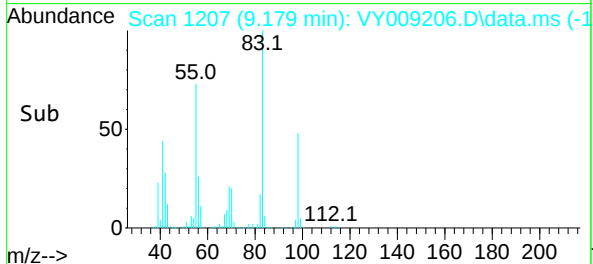
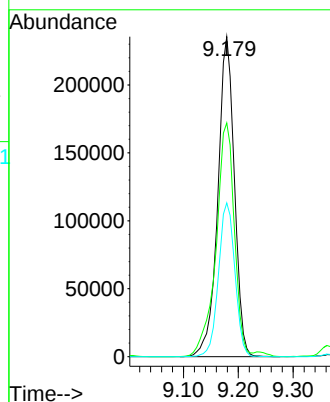
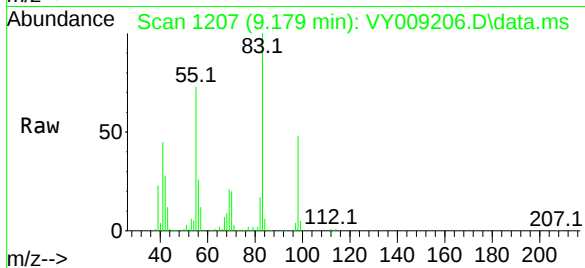
Tgt Ion: 83 Resp: 494623

Ion Ratio Lower Upper

83 100

55 73.0 66.5 99.7

98 48.1 37.9 56.9



#40

Benzene

Concen: 1.433 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY009206.D

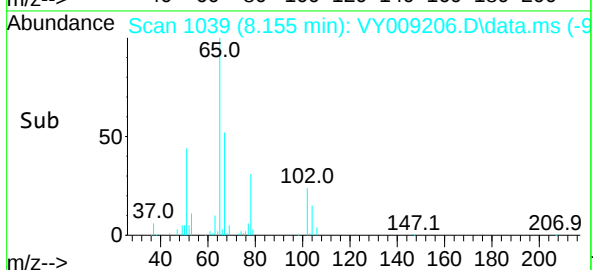
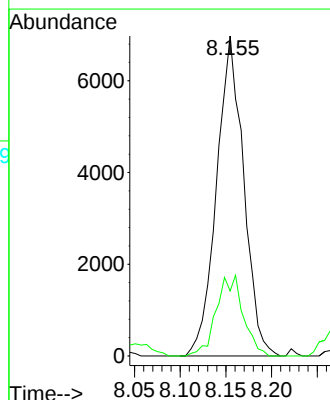
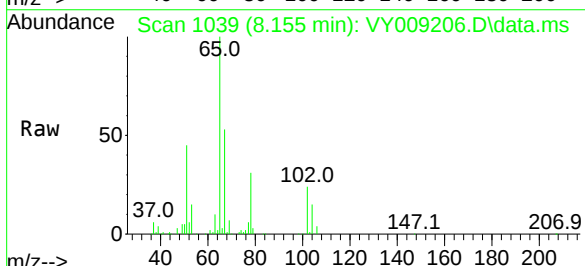
Acq: 16 Jun 2022 16:47

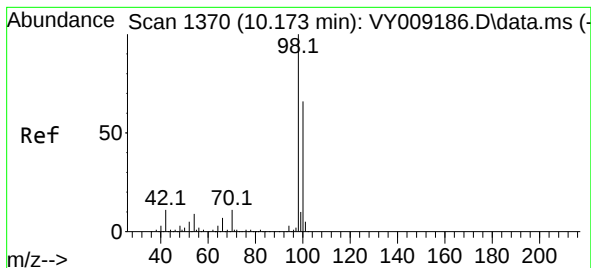
Tgt Ion: 78 Resp: 14389

Ion Ratio Lower Upper

78 100

77 20.3 20.4 30.6#

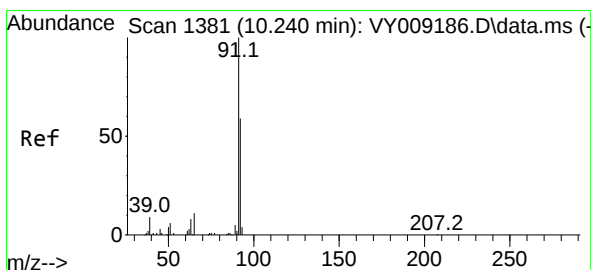
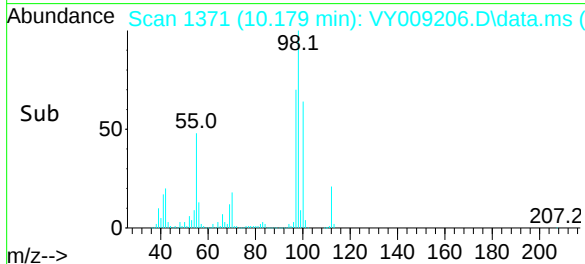
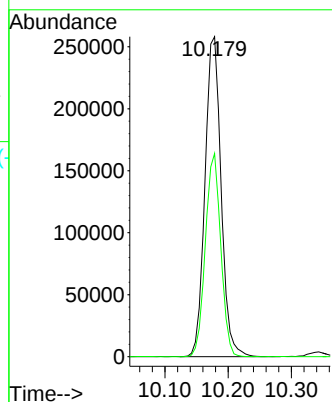
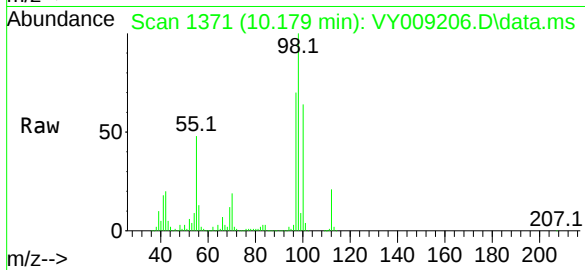




#50
Toluene-d8
Concen: 53.899 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

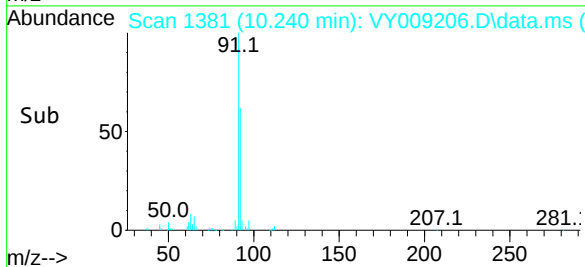
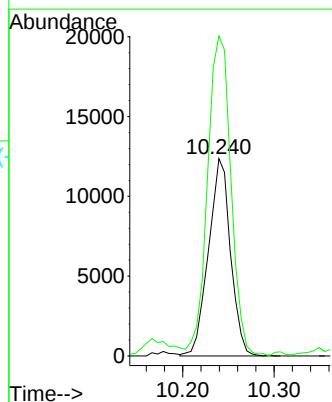
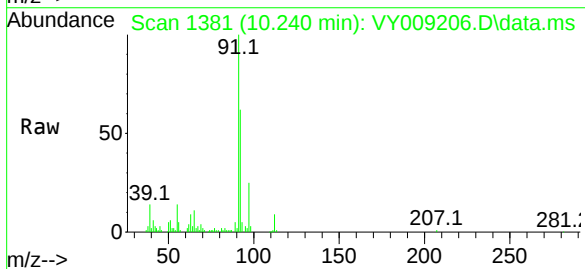
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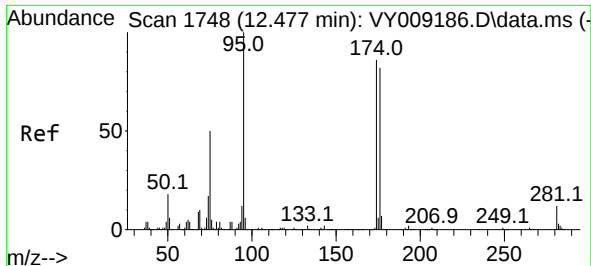
Tgt Ion: 98 Resp: 458588
Ion Ratio Lower Upper
98 100
100 60.6 50.2 75.2



#52
Toluene
Concen: 3.230 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion: 92 Resp: 20707
Ion Ratio Lower Upper
92 100
91 172.4 142.6 213.8

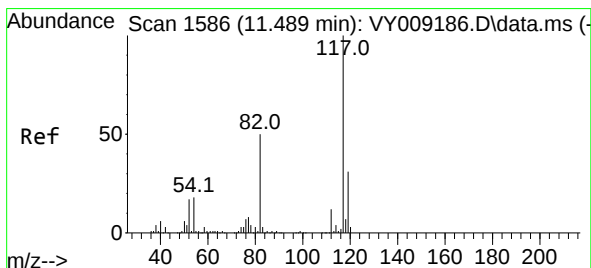
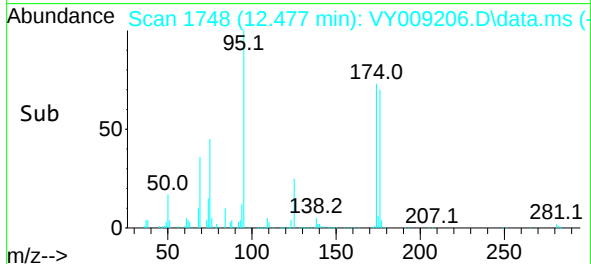
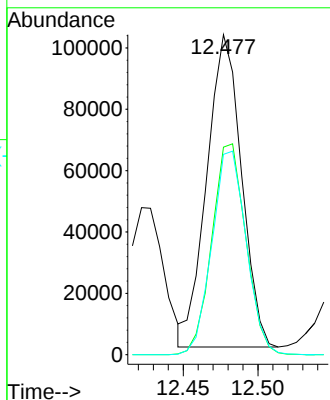
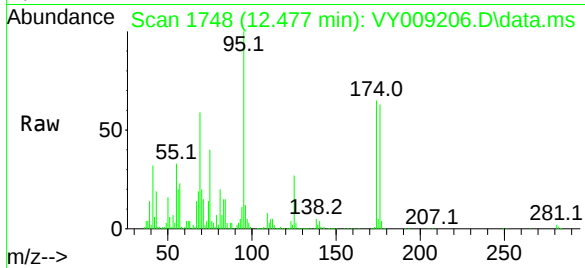




#62
4-Bromofluorobenzene
Concen: 54.246 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

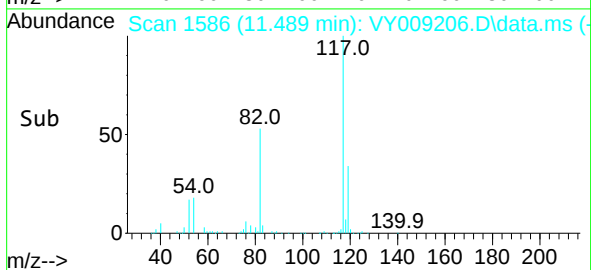
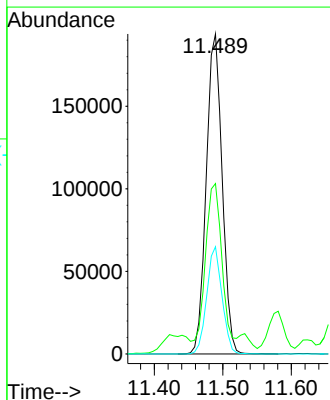
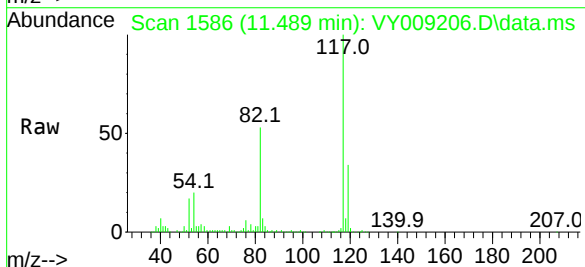
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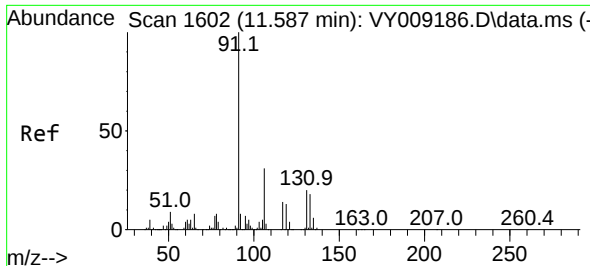
Tgt Ion: 95 Resp: 164013
Ion Ratio Lower Upper
95 100
174 66.3 0.0 177.0
176 64.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion: 117 Resp: 312888
Ion Ratio Lower Upper
117 100
82 47.8 43.0 64.4
119 33.5 25.4 38.0





#67

Ethyl Benzene

Concen: 15.091 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY009206.D

Acq: 16 Jun 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

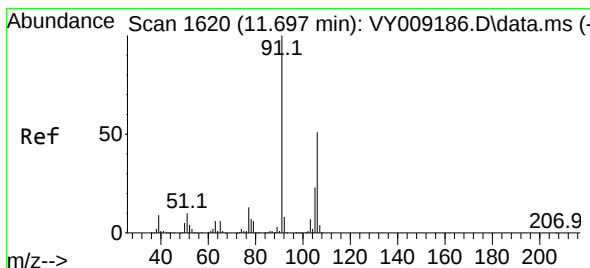
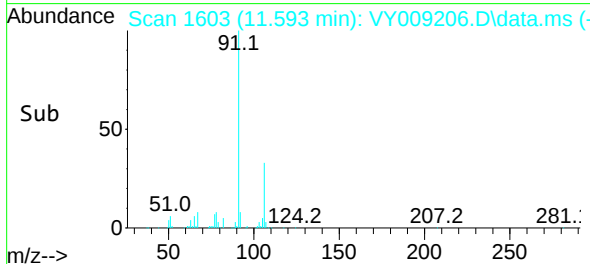
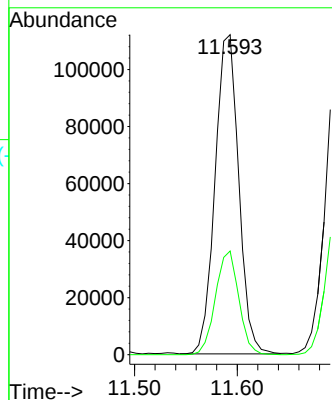
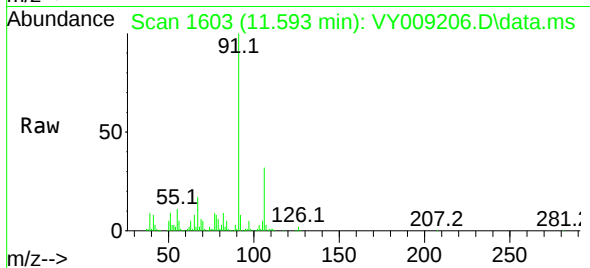
WC-14A-1A-8

Tgt Ion: 91 Resp: 178481

Ion Ratio Lower Upper

91 100

106 32.5 24.5 36.7



#68

m/p-Xylenes

Concen: 27.156 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY009206.D

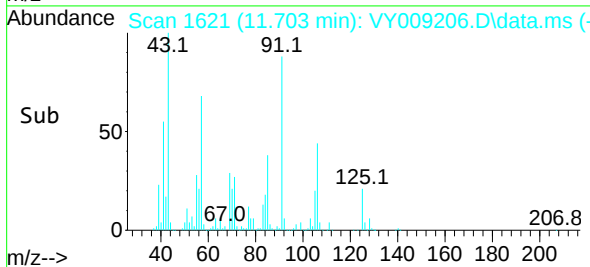
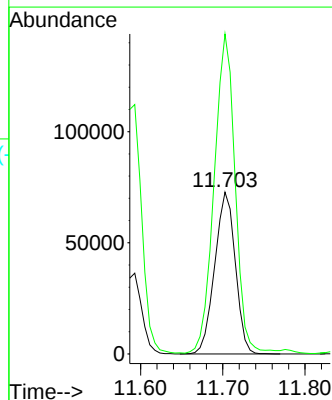
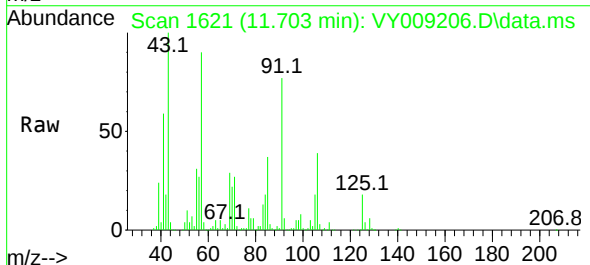
Acq: 16 Jun 2022 16:47

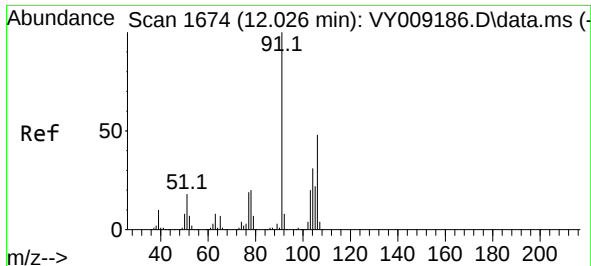
Tgt Ion:106 Resp: 126627

Ion Ratio Lower Upper

106 100

91 200.3 166.6 249.8

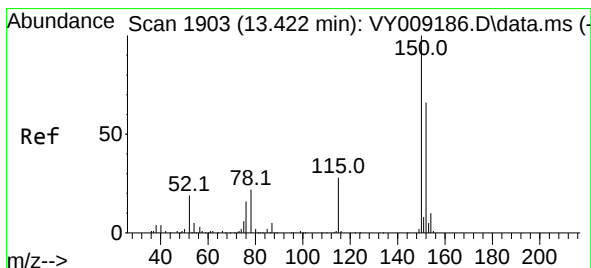
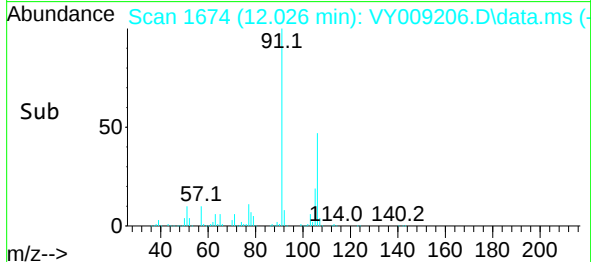
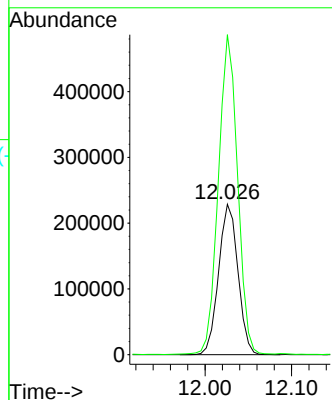
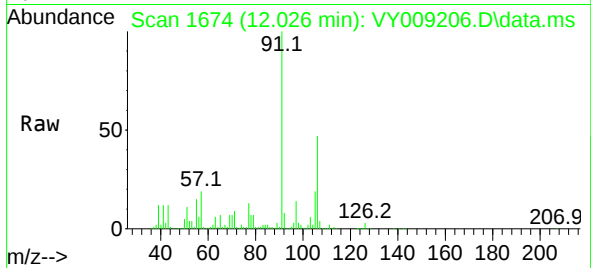




#69
o-Xylene
Concen: 80.276 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

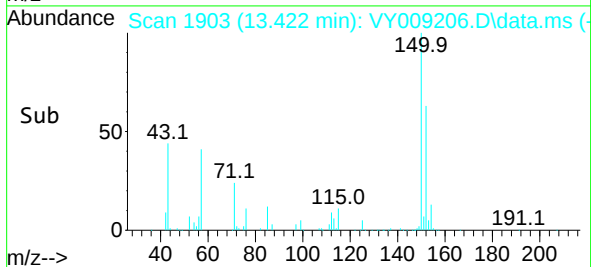
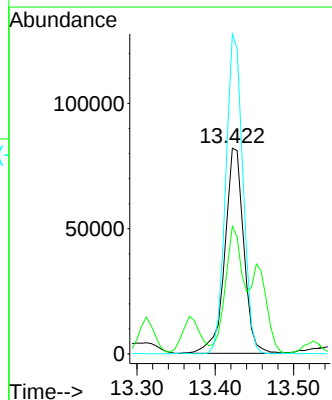
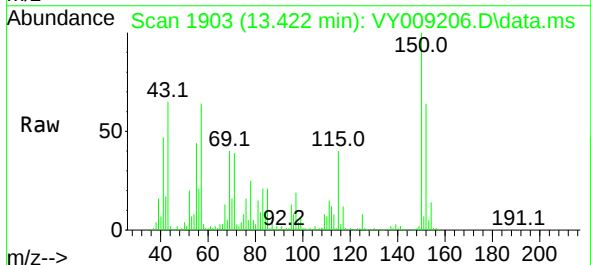
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-8

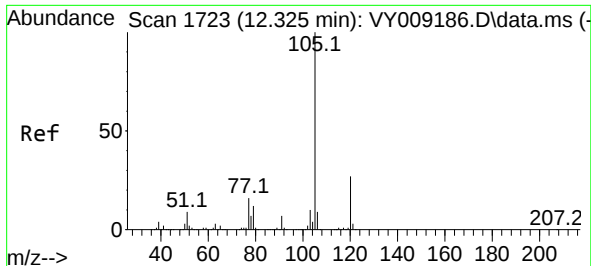
Tgt Ion:106 Resp: 354660
Ion Ratio Lower Upper
106 100
91 211.2 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion:152 Resp: 137679
Ion Ratio Lower Upper
152 100
115 51.5 28.2 84.7
150 141.2 0.0 347.6

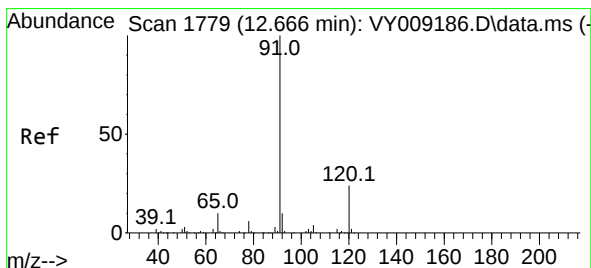
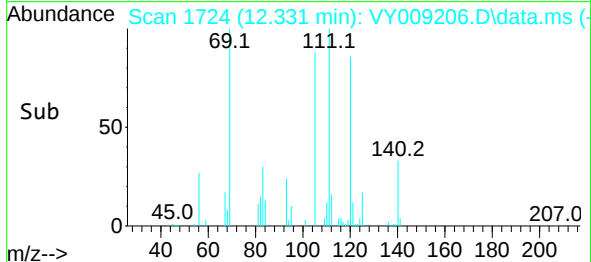
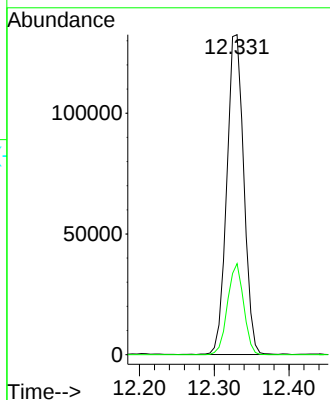
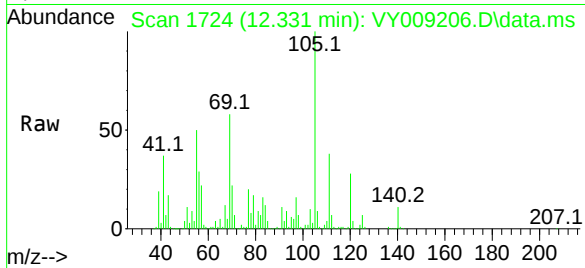




#73
Isopropylbenzene
Concen: 20.241 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

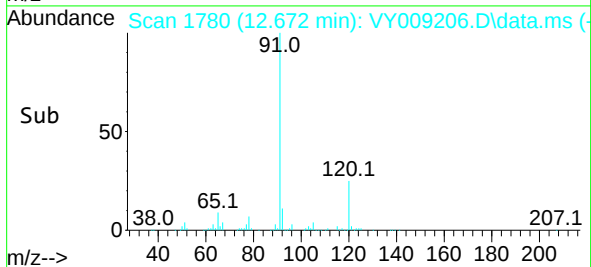
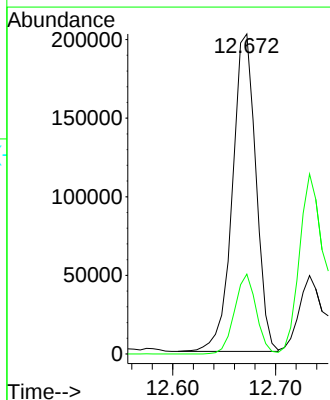
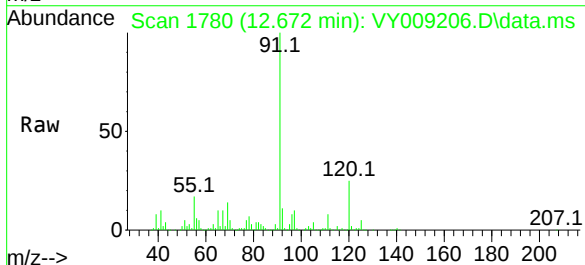
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-8

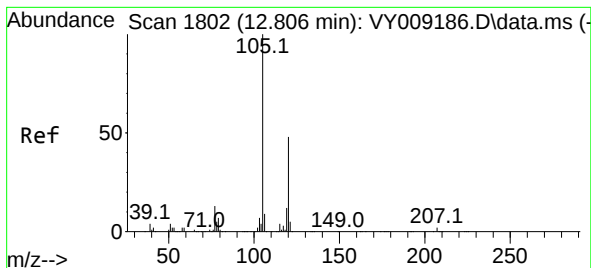
Tgt Ion:105 Resp: 209738
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2



#78
n-propylbenzene
Concen: 25.600 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY009206.D
Acq: 16 Jun 2022 16:47

Tgt Ion: 91 Resp: 320967
Ion Ratio Lower Upper
91 100
120 23.2 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 109.262 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.006 min

Lab File: VY009206.D

Acq: 16 Jun 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

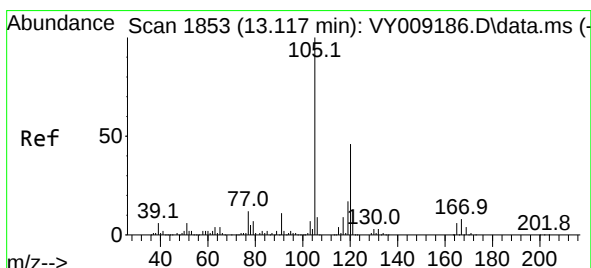
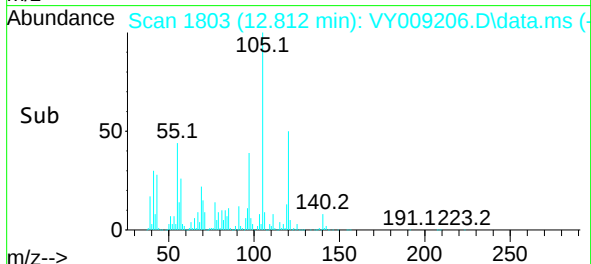
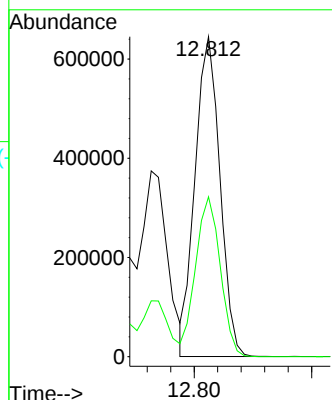
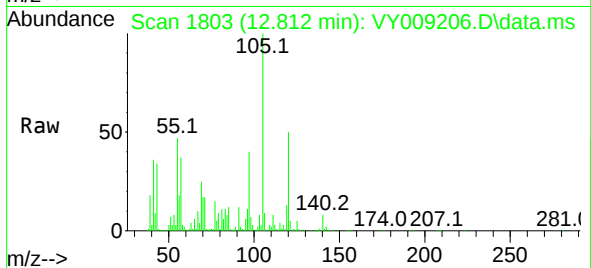
WC-14A-1A-8

Tgt Ion:105 Resp: 946318

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4



#84

1,2,4-Trimethylbenzene

Concen: 148.834 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY009206.D

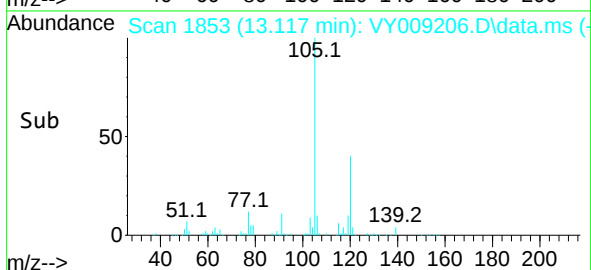
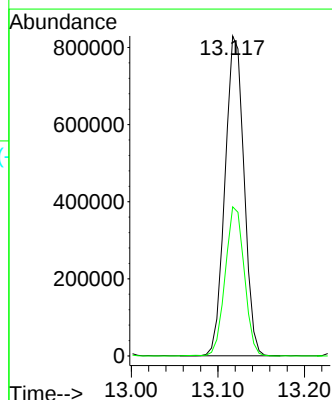
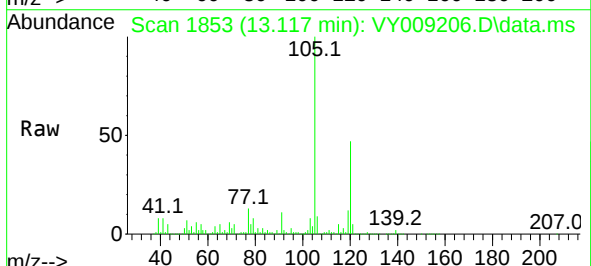
Acq: 16 Jun 2022 16:47

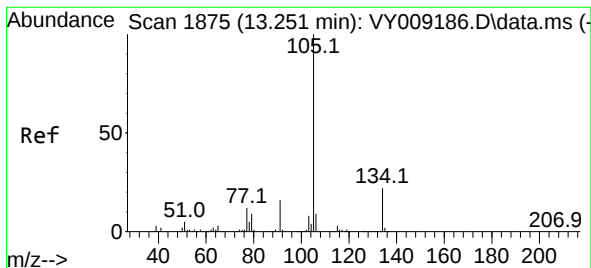
Tgt Ion:105 Resp: 1265250

Ion Ratio Lower Upper

105 100

120 46.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.132 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY009206.D

Acq: 16 Jun 2022 16:47

Instrument :

MSVOA_Y

ClientSampleId :

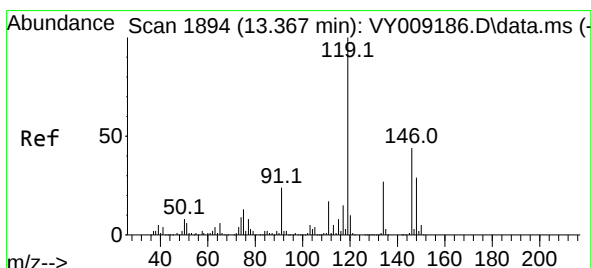
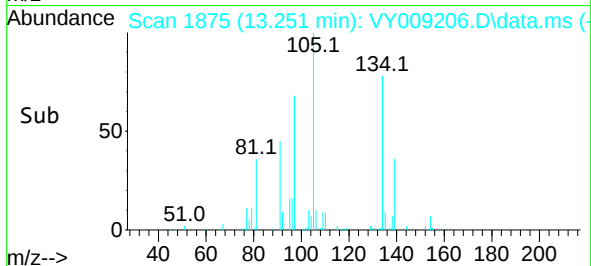
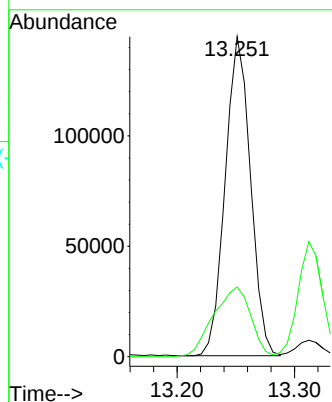
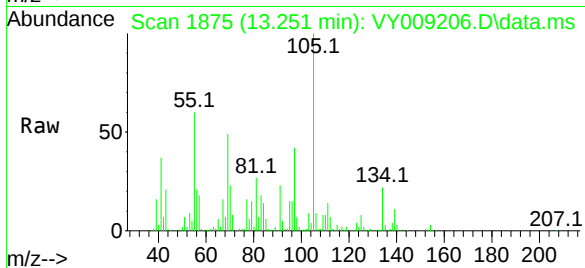
WC-14A-1A-8

Tgt Ion:105 Resp: 215722

Ion Ratio Lower Upper

105 100

134 32.1 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 25.354 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY009206.D

Acq: 16 Jun 2022 16:47

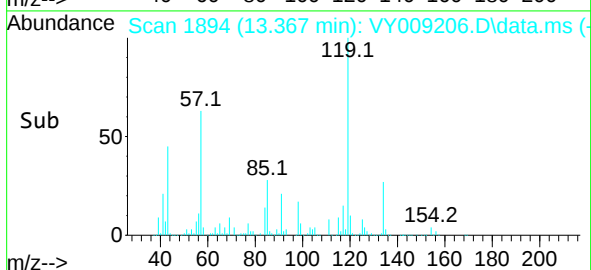
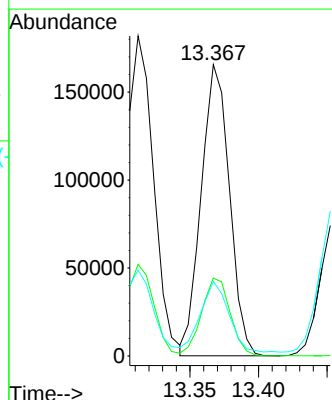
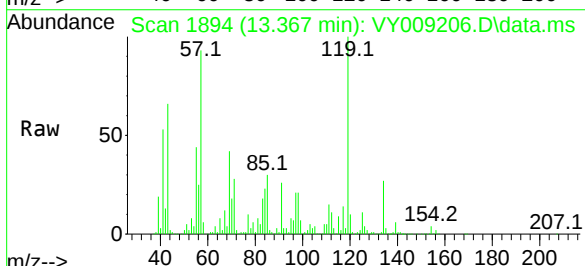
Tgt Ion:119 Resp: 237235

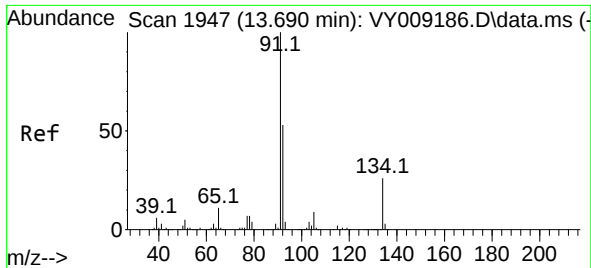
Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

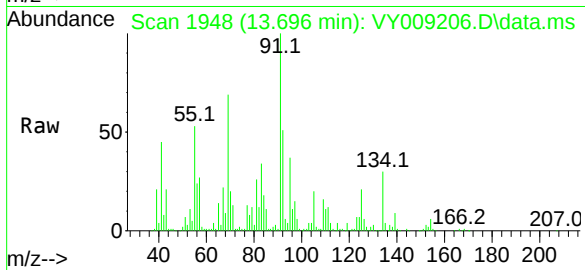
91 24.1 12.4 37.2





#89
 n-Butylbenzene
 Concen: 11.537 ug/l
 RT: 13.696 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: VY009206.D
 Acq: 16 Jun 2022 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-8



Tgt Ion: 91 Resp: 102079

Ion	Ratio	Lower	Upper
91	100		
92	65.8	26.3	78.9
134	0.0	13.0	38.9#

