

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009195.D
 Acq On : 16 Jun 2022 11:59
 Operator : KP/MD
 Sample : N3334-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-7

Quant Time: Jun 16 15:41:22 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)

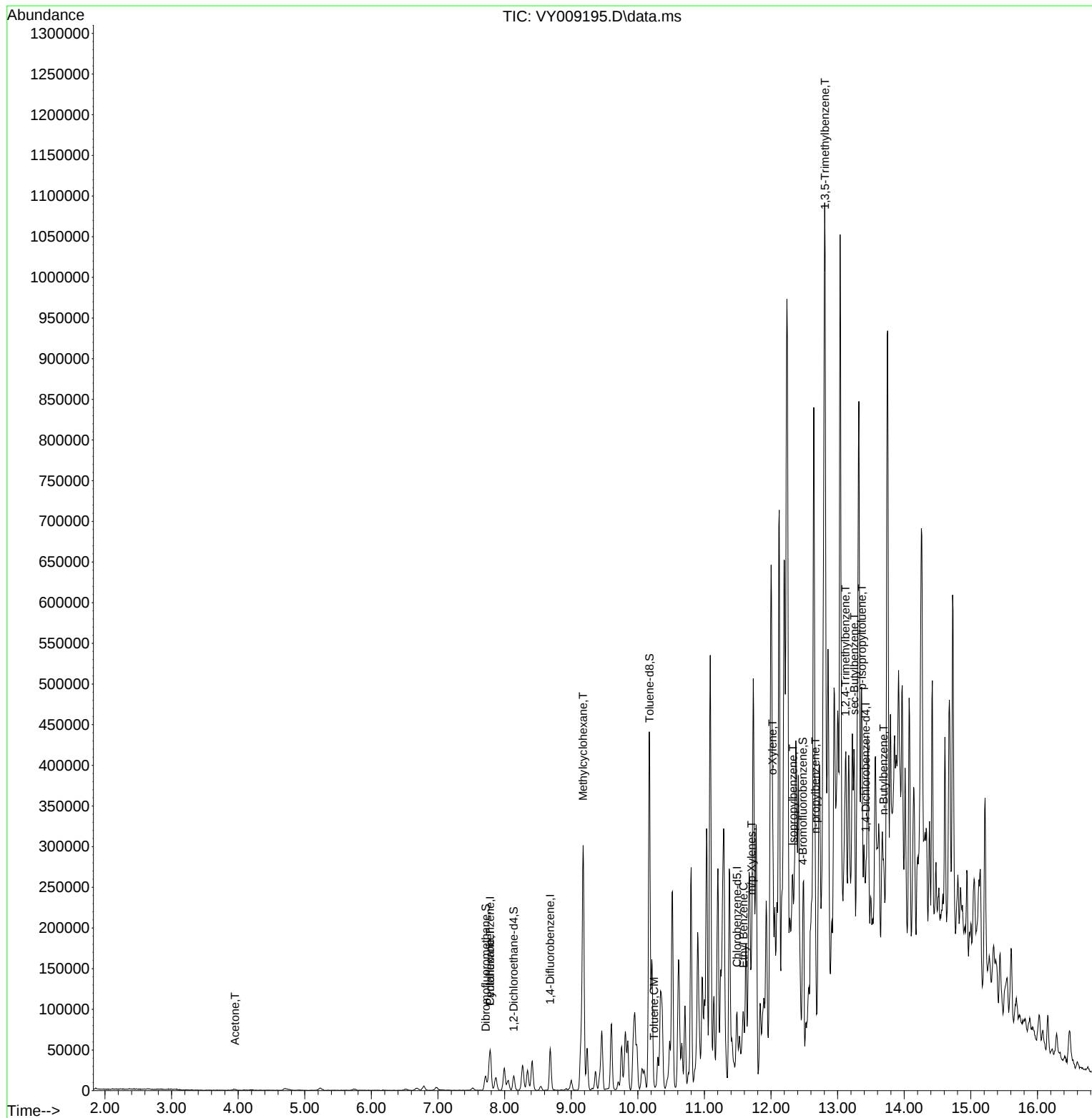
Internal Standards						
1) Pentafluorobenzene	7.783	168	26341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	42249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	32818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	15357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12809	46.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.100%
35) Dibromofluoromethane	7.716	113	12361	46.665	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.340%
50) Toluene-d8	10.179	98	65210	64.671	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	129.340%
62) 4-Bromofluorobenzene	12.477	95	28941	80.770	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	161.540%#
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	2260	32.607	ug/l #	88
31) Cyclohexane	7.783	56	10930	22.175	ug/l	91
39) Methylcyclohexane	9.179	83	120081	244.447	ug/l	94
52) Toluene	10.246	92	1294	1.703	ug/l	98
67) Ethyl Benzene	11.587	91	21668	17.467	ug/l	99
68) m/p-Xylenes	11.709	106	4550	9.303	ug/l #	59
69) o-Xylene	12.026	106	26635	57.478	ug/l	91
73) Isopropylbenzene	12.331	105	44649	38.630	ug/l	98
78) n-propylbenzene	12.666	91	55135	39.424	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	81862	84.738	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	76451	80.625	ug/l	93
85) sec-Butylbenzene	13.251	105	64869	51.577	ug/l #	75
86) p-Isopropyltoluene	13.367	119	31049	29.749	ug/l	96
89) n-Butylbenzene	13.690	91	46136	46.746	ug/l #	71

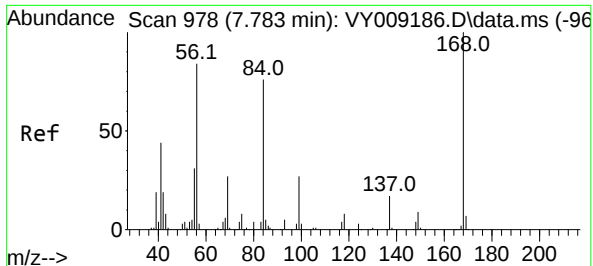
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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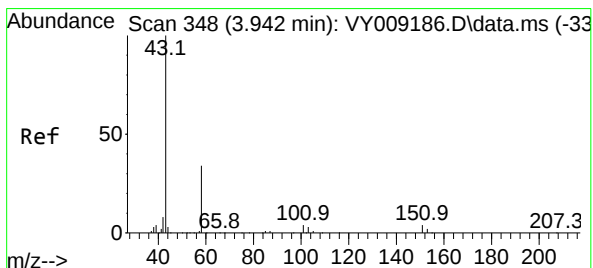
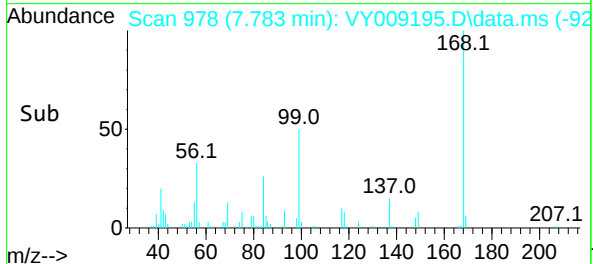
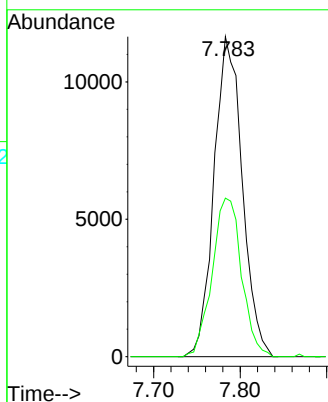
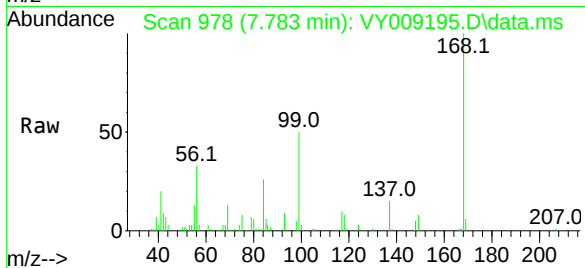




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

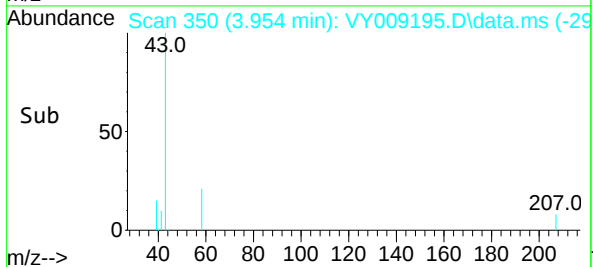
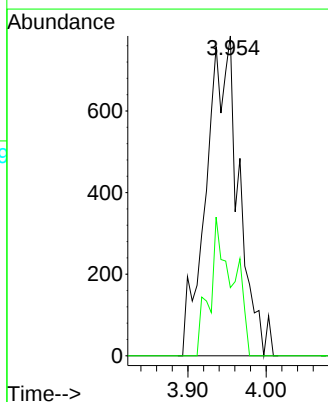
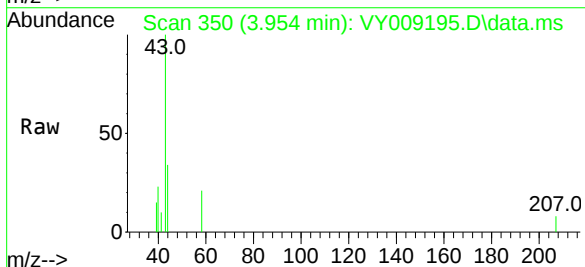
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-7

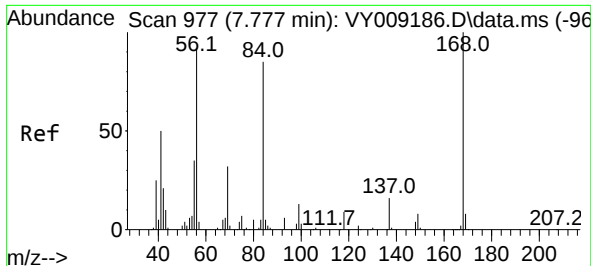
Tgt Ion:168 Resp: 26341
Ion Ratio Lower Upper
168 100
99 49.5 46.9 70.3



#16
Acetone
Concen: 32.607 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion: 43 Resp: 2260
Ion Ratio Lower Upper
43 100
58 21.3 22.0 33.0#

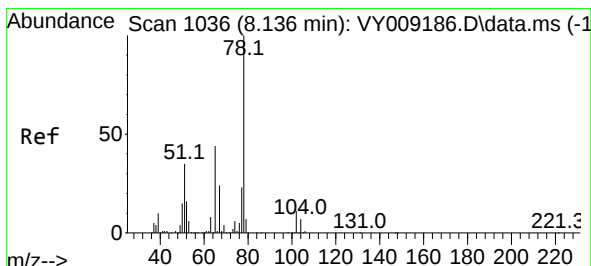
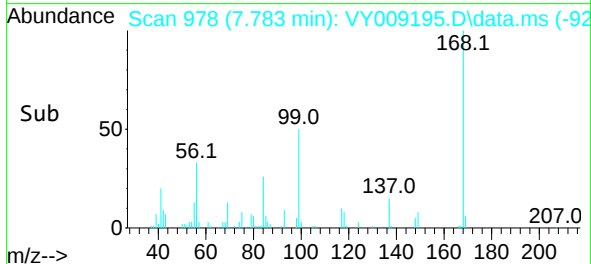
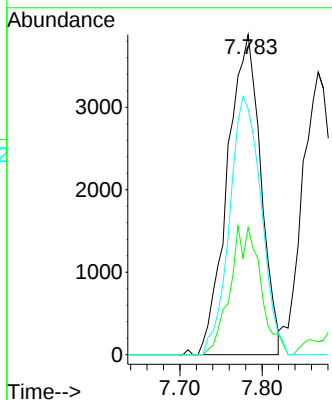
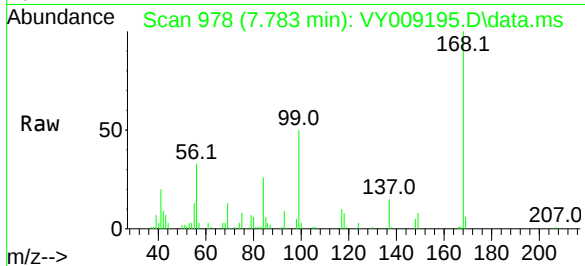




#31
Cyclohexane
Concen: 22.175 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

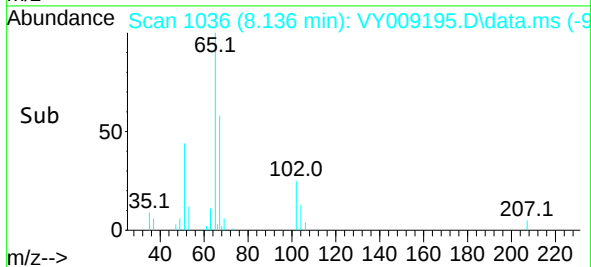
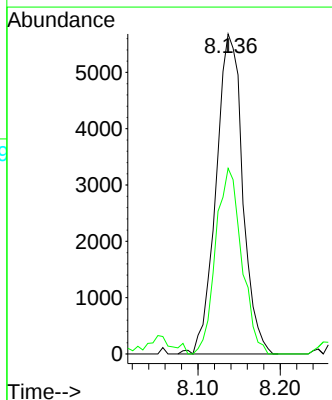
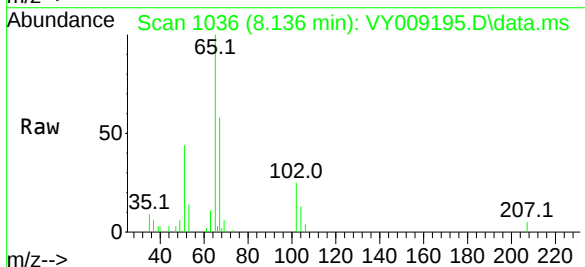
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-7

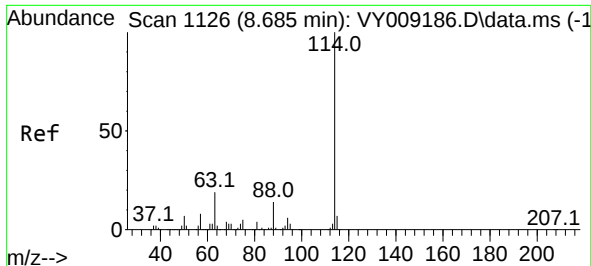
Tgt Ion: 56 Resp: 10930
Ion Ratio Lower Upper
56 100
69 39.7 26.7 40.1
84 76.9 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 46.551 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion: 65 Resp: 12809
Ion Ratio Lower Upper
65 100
67 56.6 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: VY009195.D

Acq: 16 Jun 2022 11:59

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-7

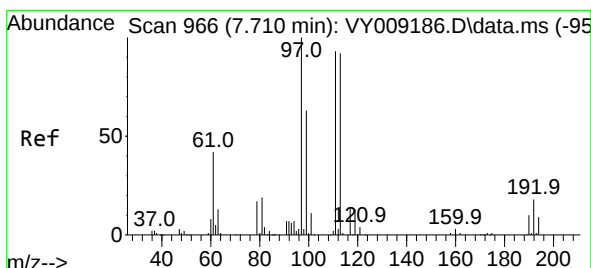
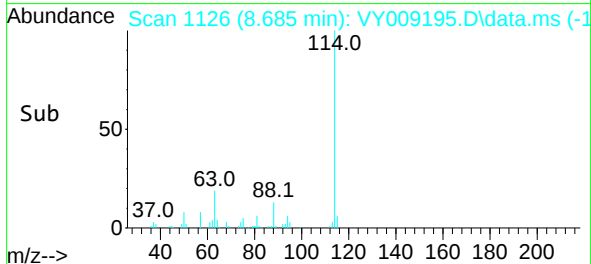
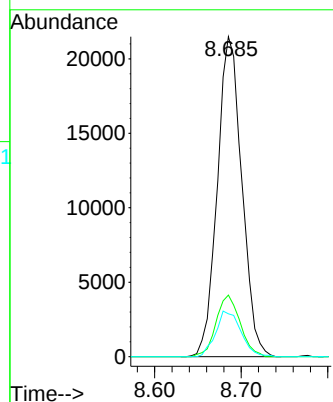
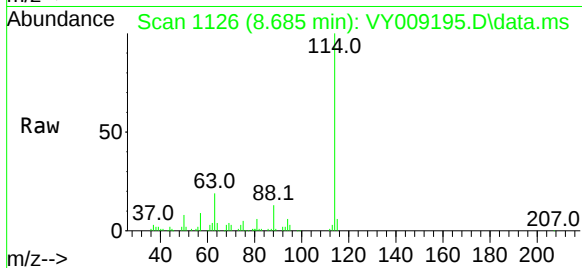
Tgt Ion:114 Resp: 42249

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.665 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY009195.D

Acq: 16 Jun 2022 11:59

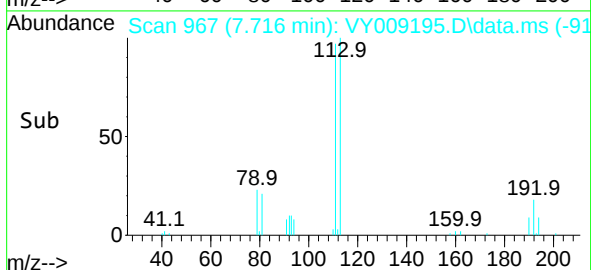
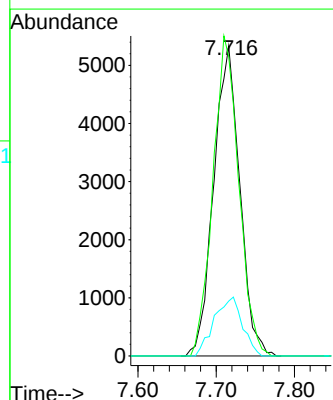
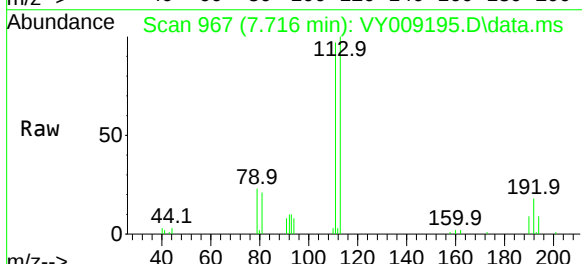
Tgt Ion:113 Resp: 12361

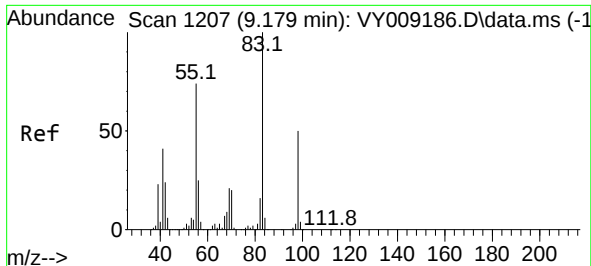
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 20.5 17.6 26.4

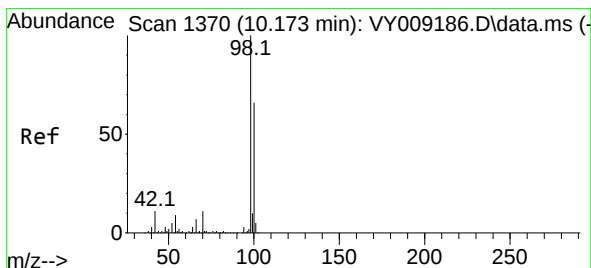
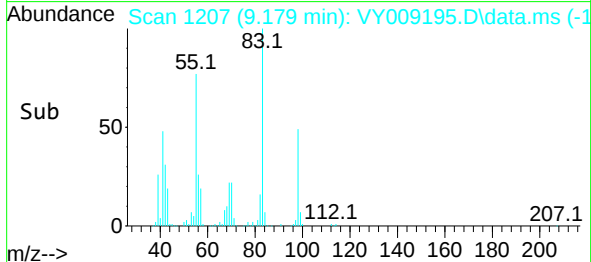
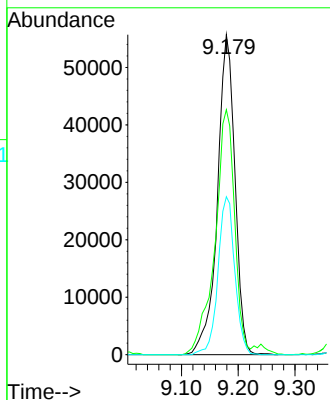
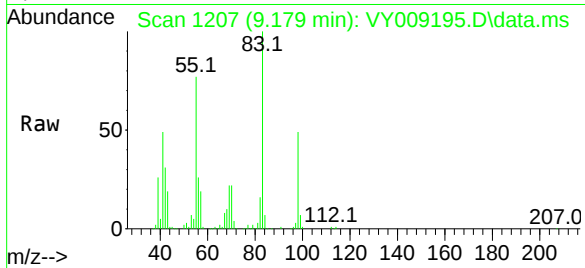




#39
Methylcyclohexane
Concen: 244.447 ug/l
RT: 9.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

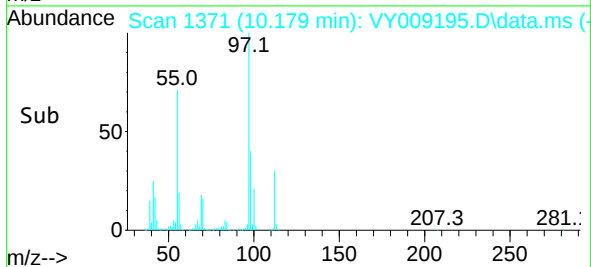
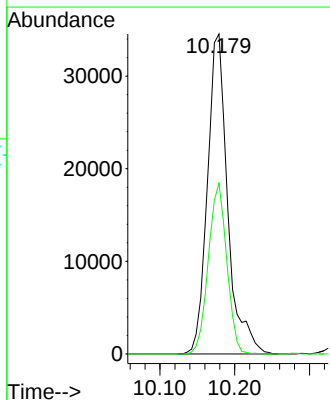
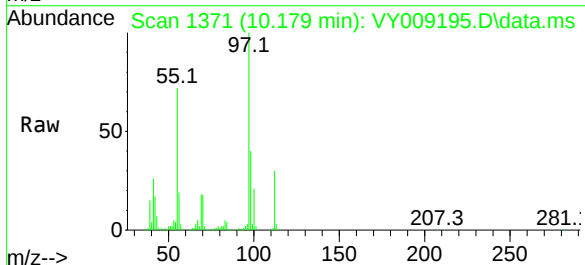
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-7

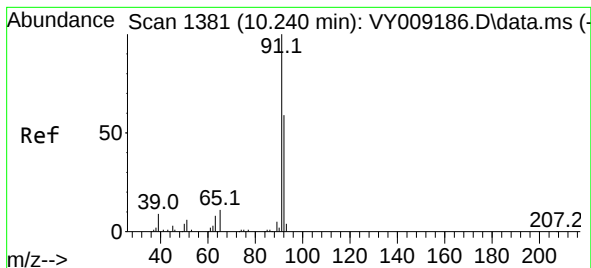
Tgt Ion: 83 Resp: 120081
Ion Ratio Lower Upper
83 100
55 76.5 66.5 99.7
98 49.3 37.9 56.9



#50
Toluene-d8
Concen: 64.671 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion: 98 Resp: 65210
Ion Ratio Lower Upper
98 100
100 48.4 50.2 75.2#





#52

Toluene

Concen: 1.703 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY009195.D

Acq: 16 Jun 2022 11:59

Instrument :

MSVOA_Y

ClientSampleId :

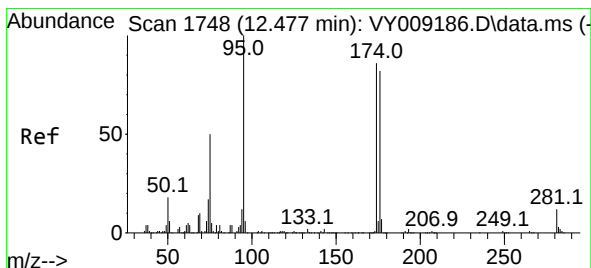
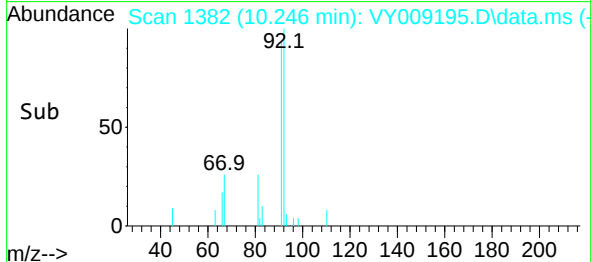
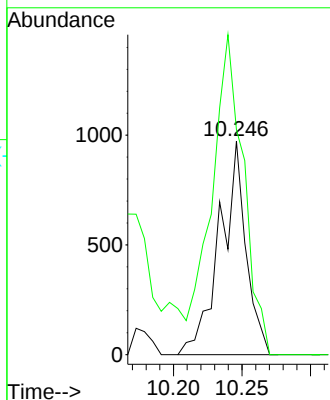
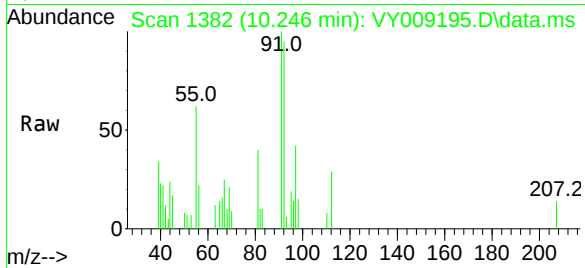
WC-14A-1A-7

Tgt Ion: 92 Resp: 1294

Ion Ratio Lower Upper

92 100

91 181.7 142.6 213.8



#62

4-Bromofluorobenzene

Concen: 80.770 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009195.D

Acq: 16 Jun 2022 11:59

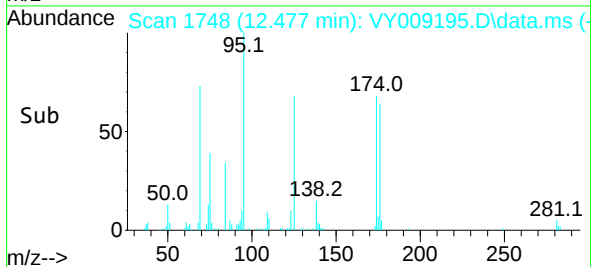
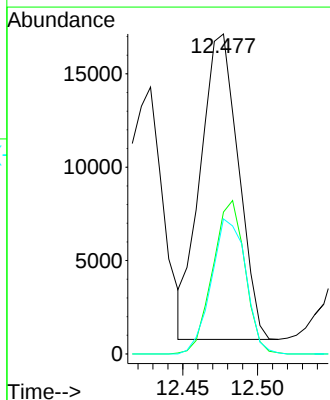
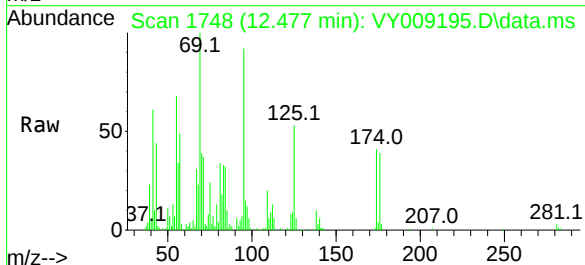
Tgt Ion: 95 Resp: 28941

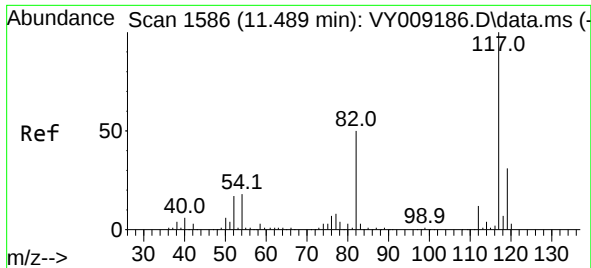
Ion Ratio Lower Upper

95 100

174 42.5 0.0 177.0

176 40.1 0.0 175.8

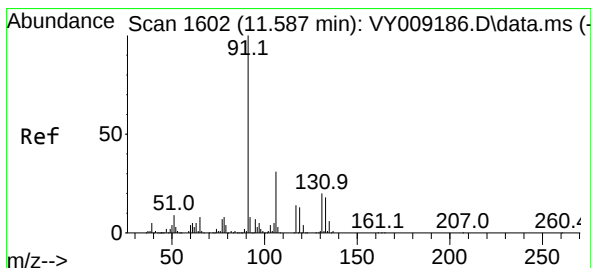
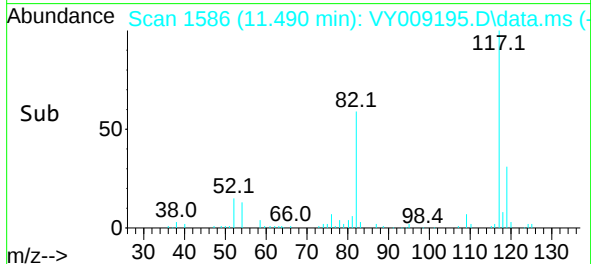
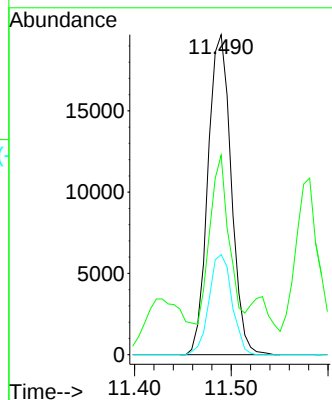
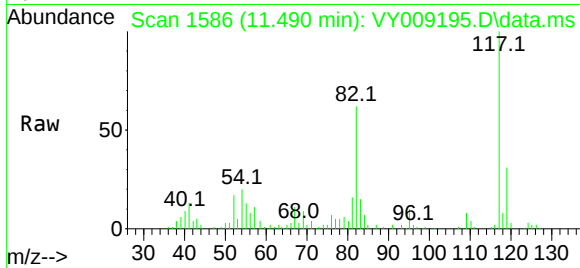




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

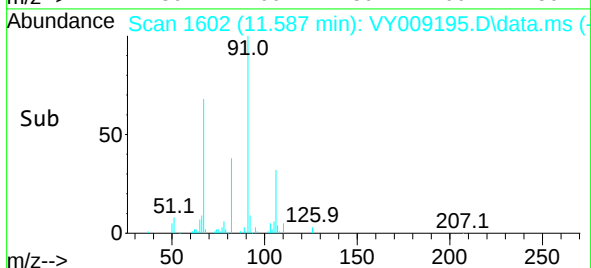
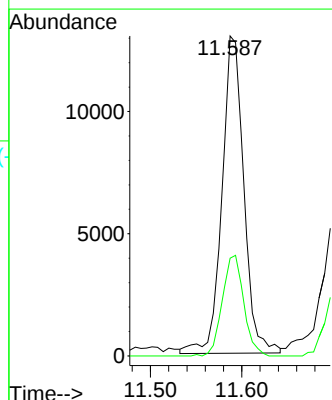
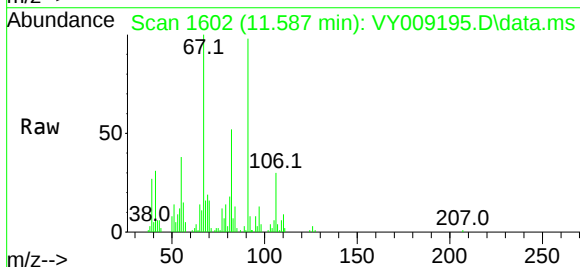
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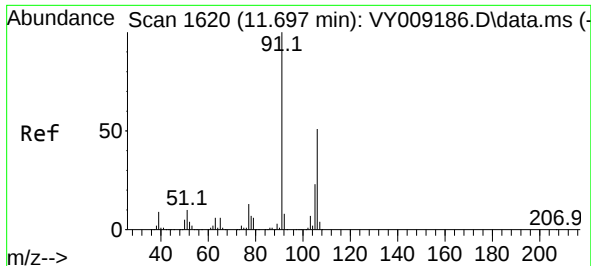
Tgt Ion:117 Resp: 32818
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.3 25.4 38.0



#67
Ethyl Benzene
Concen: 17.467 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion: 91 Resp: 21668
Ion Ratio Lower Upper
91 100
106 31.2 24.5 36.7

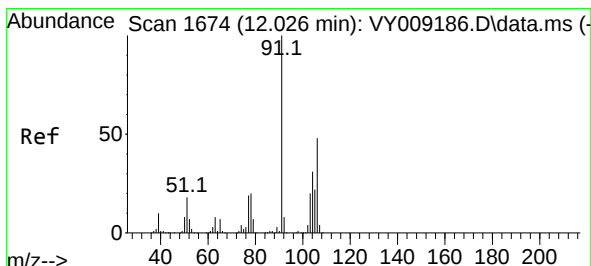
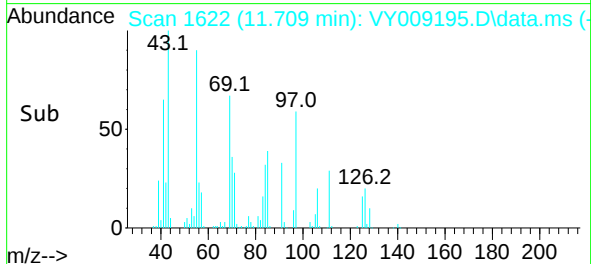
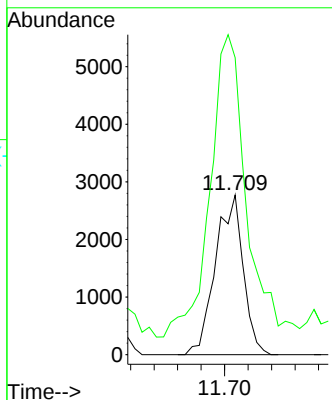
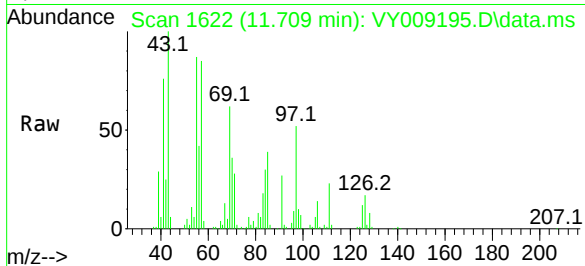




#68
m/p-Xylenes
Concen: 9.303 ug/l
RT: 11.709 min Scan# 11622
Delta R.T. 0.012 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

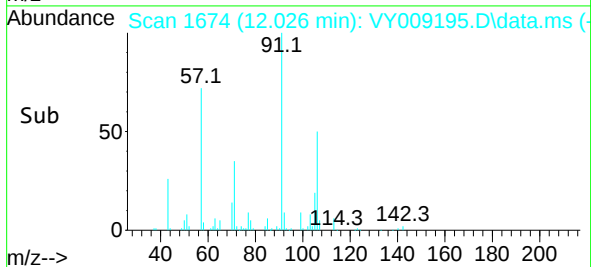
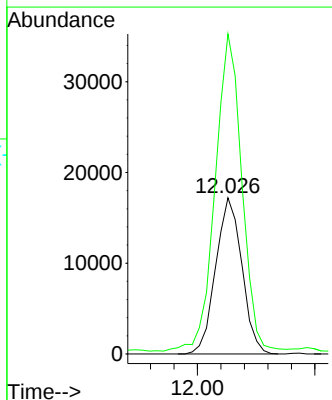
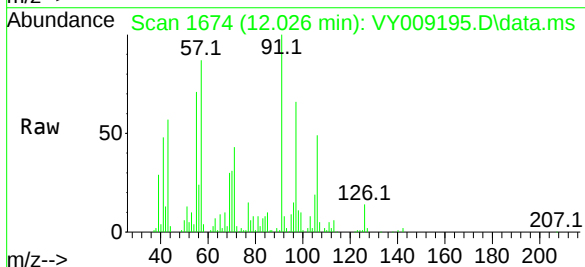
Instrument :
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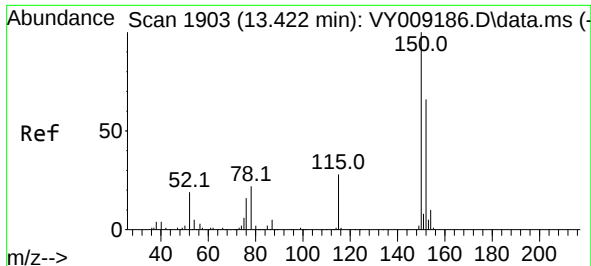
Tgt Ion:106 Resp: 4550
Ion Ratio Lower Upper
106 100
91 271.3 166.6 249.8#



#69
o-Xylene
Concen: 57.478 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion:106 Resp: 26635
Ion Ratio Lower Upper
106 100
91 205.9 110.3 331.0

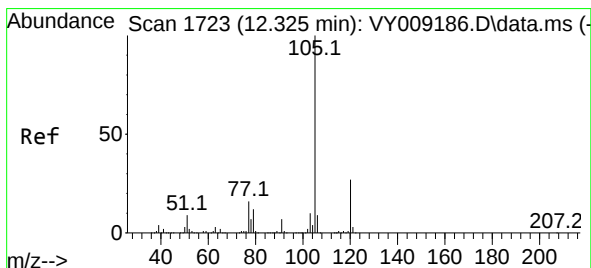
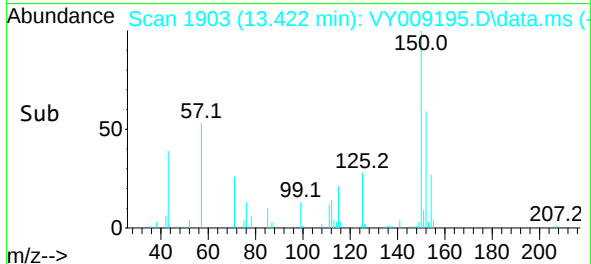
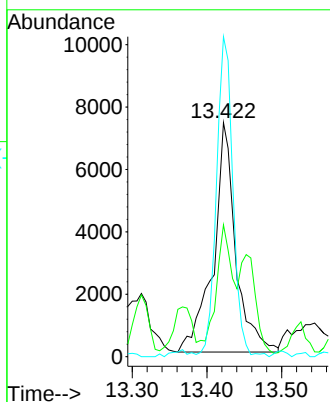
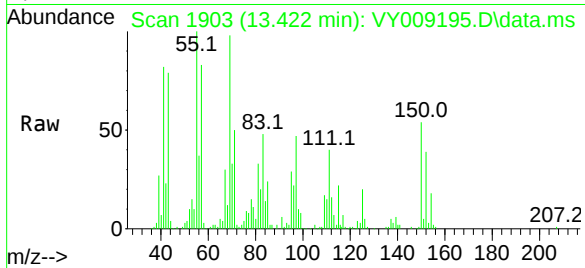




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

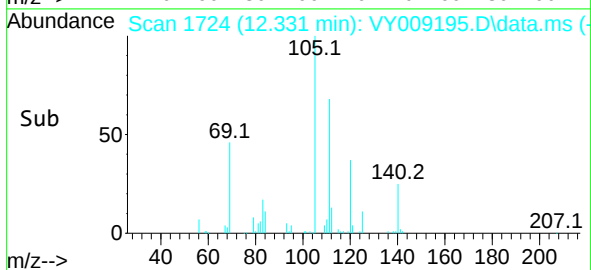
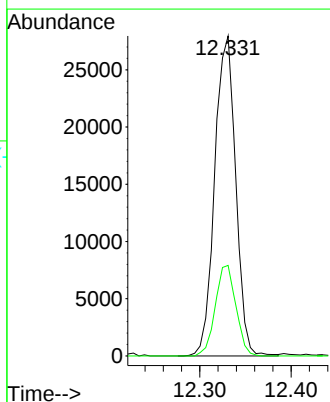
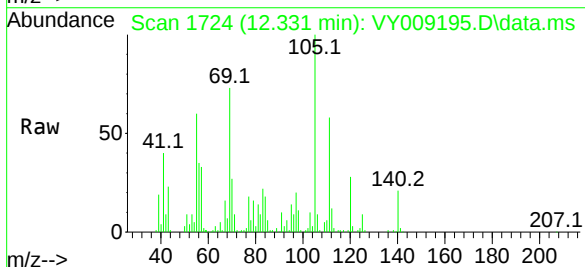
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-7

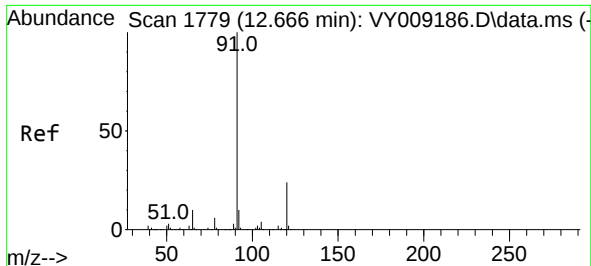
Tgt Ion:152 Resp: 15357
Ion Ratio Lower Upper
152 100
115 37.1 28.2 84.7
150 102.4 0.0 347.6



#73
Isopropylbenzene
Concen: 38.630 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion:105 Resp: 44649
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.2

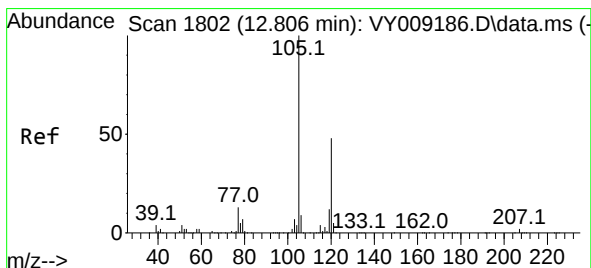
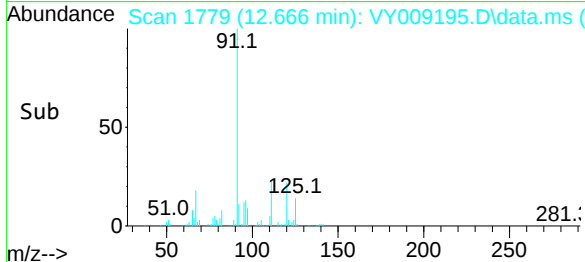
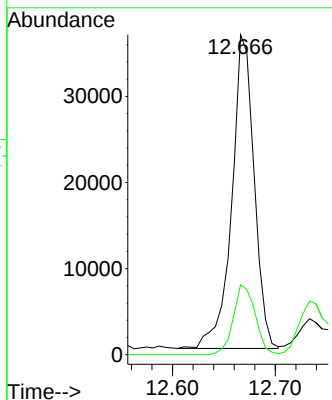
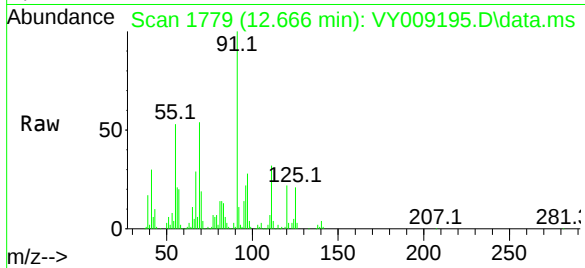




#78
n-propylbenzene
Concen: 39.424 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

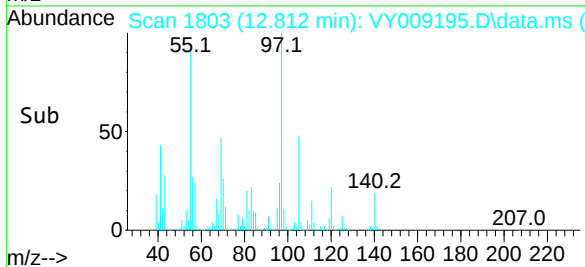
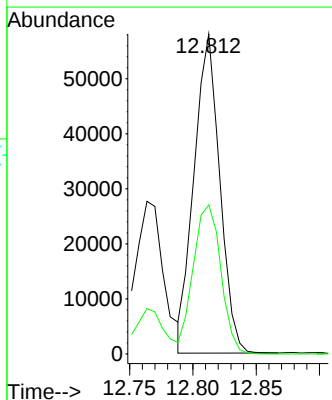
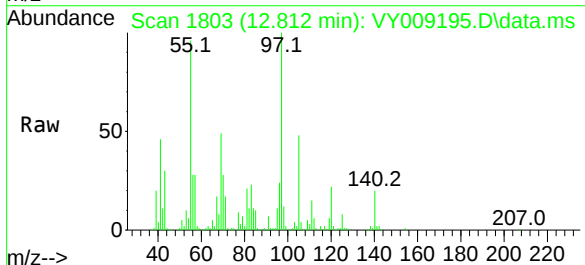
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-7

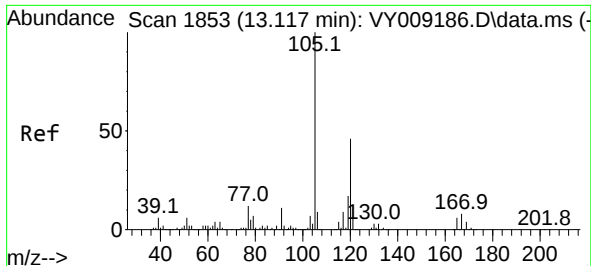
Tgt Ion: 91 Resp: 55135
Ion Ratio Lower Upper
91 100
120 21.9 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 84.738 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion: 105 Resp: 81862
Ion Ratio Lower Upper
105 100
120 50.2 24.4 73.4

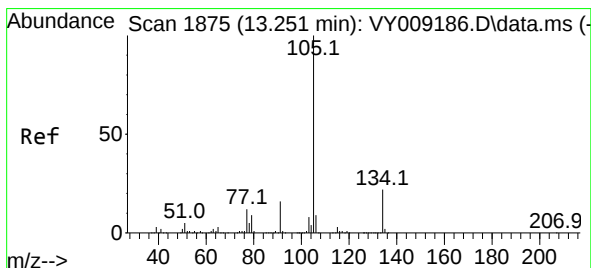
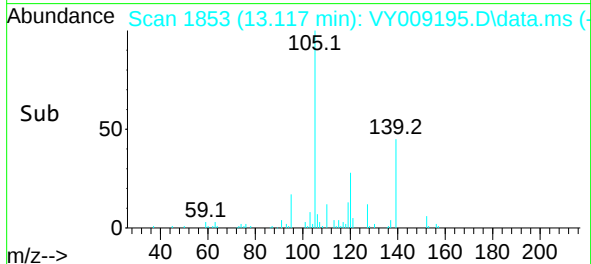
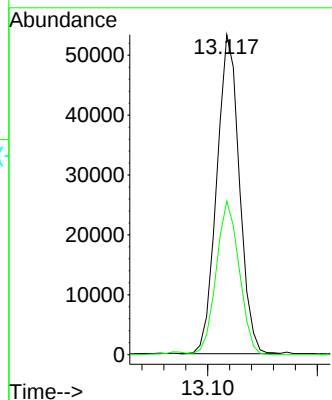
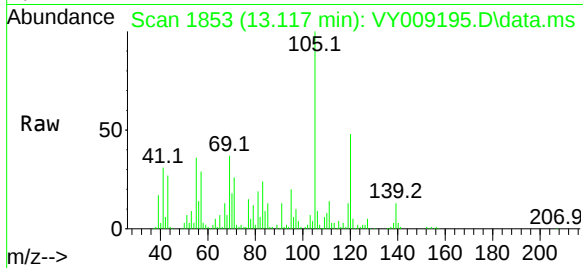




#84
1,2,4-Trimethylbenzene
Concen: 80.625 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

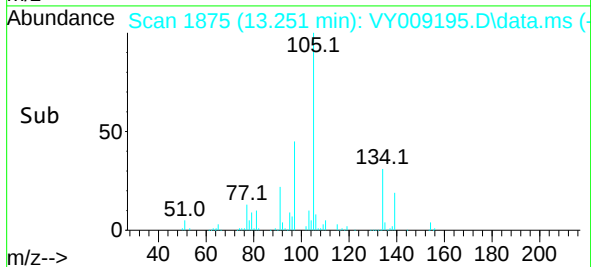
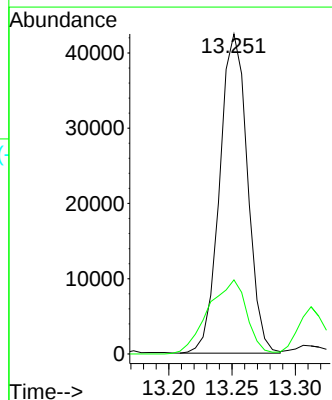
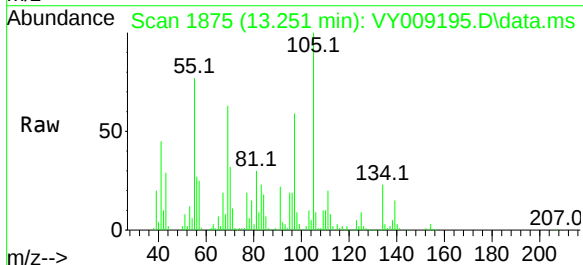
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-7

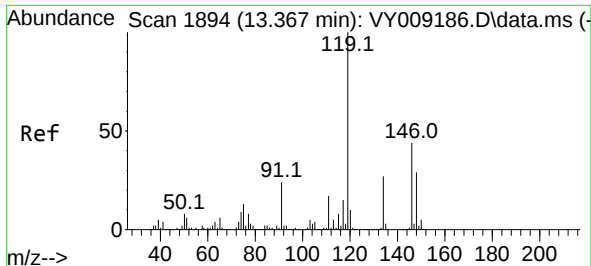
Tgt Ion:105 Resp: 76451
Ion Ratio Lower Upper
105 100
120 48.8 22.3 66.9



#85
sec-Butylbenzene
Concen: 51.577 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY009195.D
Acq: 16 Jun 2022 11:59

Tgt Ion:105 Resp: 64869
Ion Ratio Lower Upper
105 100
134 32.0 10.2 30.4#

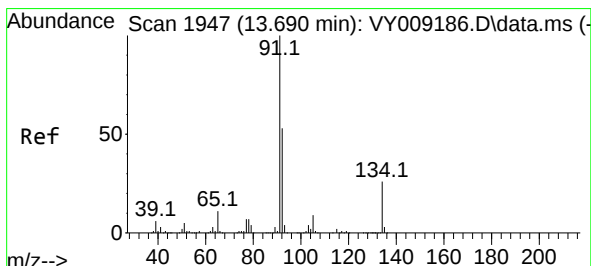
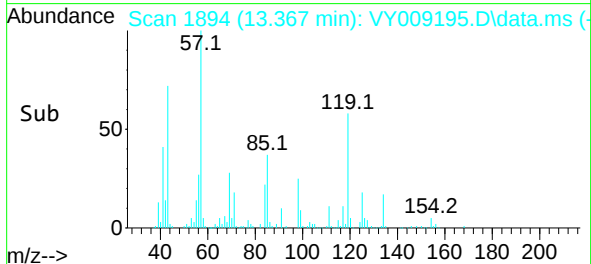
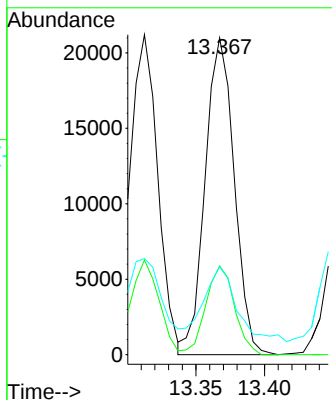
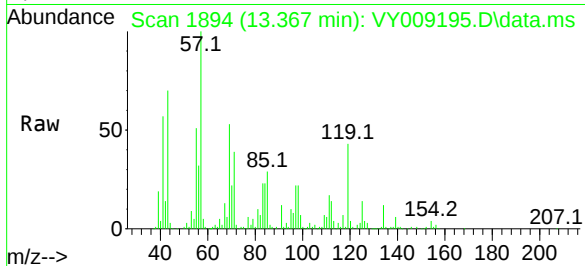




#86
 p-Isopropyltoluene
 Concen: 29.749 ug/l
 RT: 13.367 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY009195.D
 Acq: 16 Jun 2022 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-7

Tgt Ion:	119	Resp:	31049
Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.2	39.5
91	27.5	12.4	37.2



#89
 n-Butylbenzene
 Concen: 46.746 ug/l
 RT: 13.690 min Scan# 1947
 Delta R.T. 0.000 min
 Lab File: VY009195.D
 Acq: 16 Jun 2022 11:59

Tgt Ion:	91	Resp:	46136
Ion	Ratio	Lower	Upper
91	100		
92	39.8	26.3	78.9
134	0.0	13.0	38.9#

