

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009449.D
 Acq On : 06 Jul 2022 13:21
 Operator : KP/MD
 Sample : N3564-04
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14B-11-1-GR

Quant Time: Jul 07 01:49:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

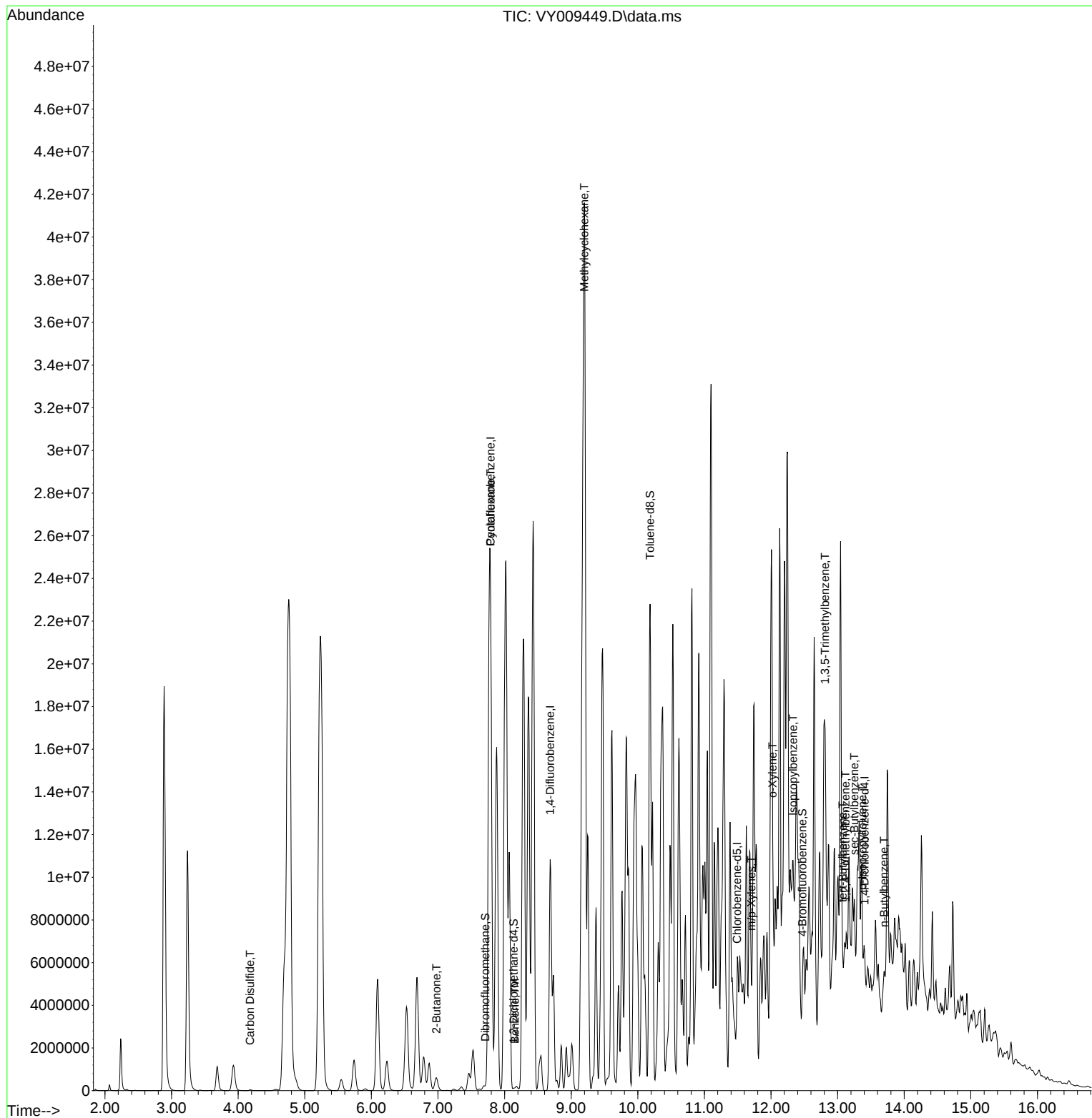
Internal Standards						
1) Pentafluorobenzene	7.789	168	139037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271985	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.490	117	162095	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.404	152	115419	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75018	67.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.720%	
35) Dibromofluoromethane	7.710	113	62565	41.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.600%	
50) Toluene-d8	10.185	98	1104285	240.605	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 481.200%#	
62) 4-Bromofluorobenzene	12.471	95	688456	316.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 632.560%#	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.180	76	80049	23.025	ug/l	96
25) 2-Butanone	6.978	43	331747	572.143	ug/l	# 62
31) Cyclohexane	7.789	56	11959425	4774.555	ug/l	93
39) Methylcyclohexane	9.197	83	22896494	7391.320	ug/l	# 86
40) Benzene	8.155	78	15776	2.061	ug/l	93
68) m/p-Xylenes	11.703	106	102609	42.649	ug/l	84
69) o-Xylene	12.026	106	22459	9.892	ug/l	# 1
73) Isopropylbenzene	12.331	105	527456	61.871	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	60025	8.420	ug/l	92
83) tert-Butylbenzene	13.075	119	78707	13.140	ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.117	105	193694	28.591	ug/l	99
85) sec-Butylbenzene	13.251	105	343703	38.098	ug/l	# 71
86) p-Isopropyltoluene	13.373	119	16780m	2.212	ug/l	
89) n-Butylbenzene	13.696	91	185602	26.038	ug/l	89

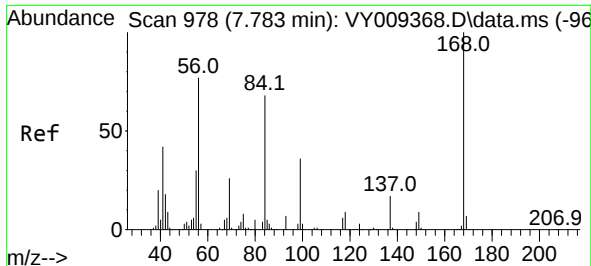
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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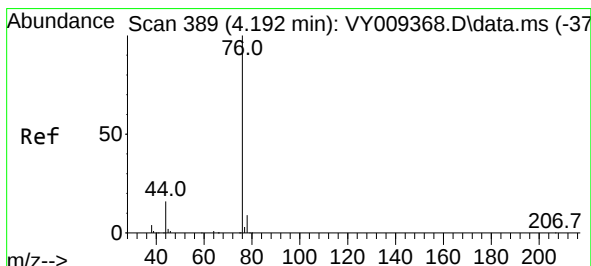
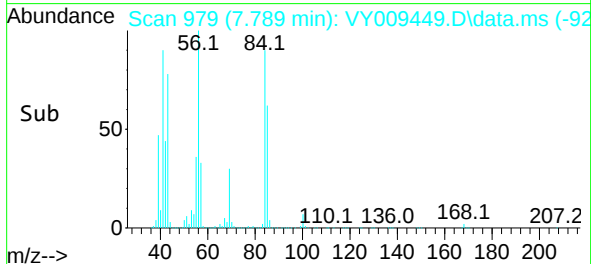
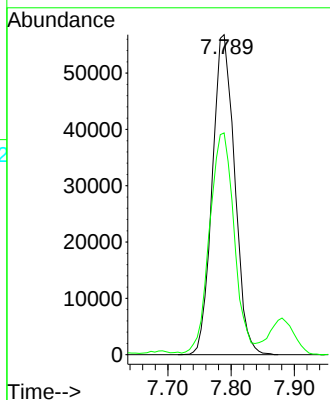
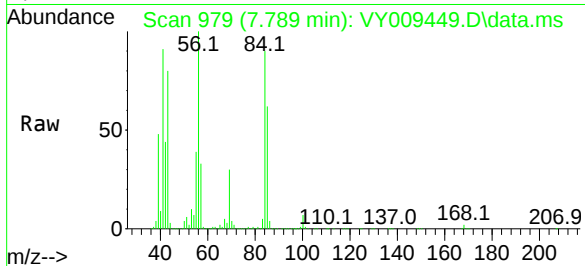




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

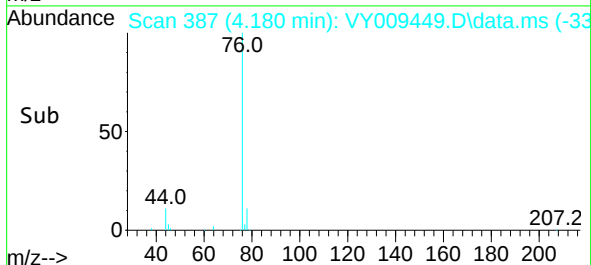
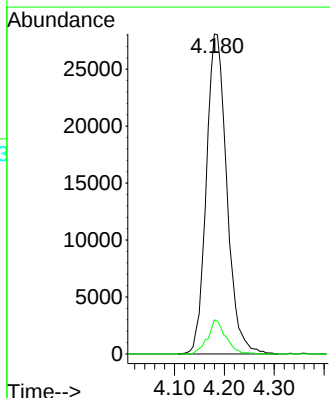
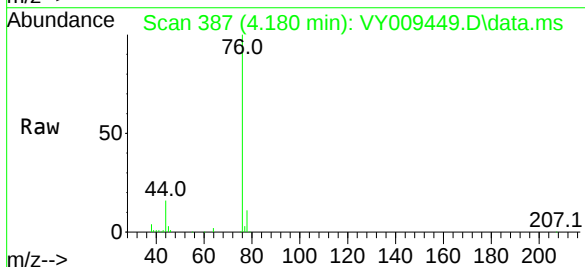
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-11-1-GR

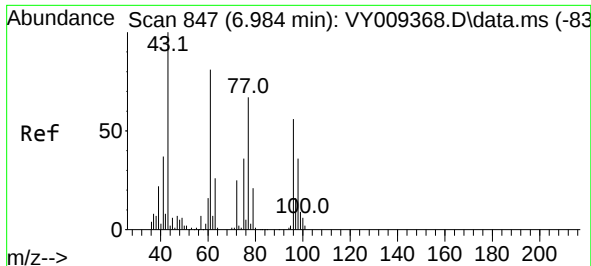
Tgt Ion:168 Resp: 139037
Ion Ratio Lower Upper
168 100
99 68.5 46.9 70.3



#17
Carbon Disulfide
Concen: 23.025 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion: 76 Resp: 80049
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.0

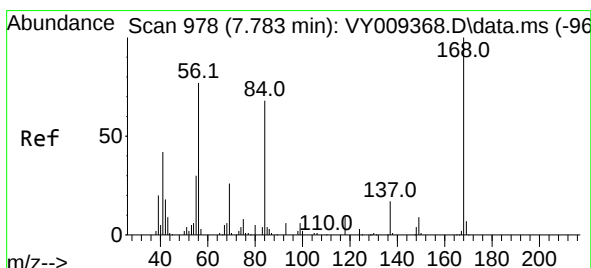
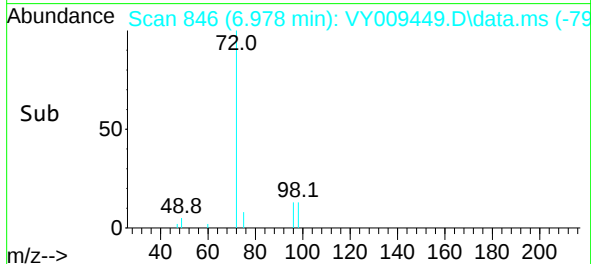
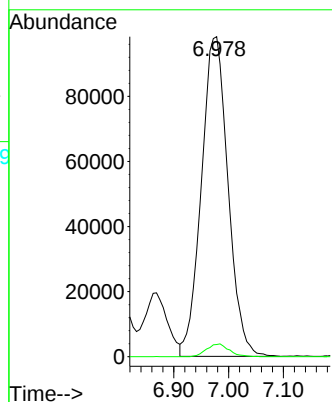
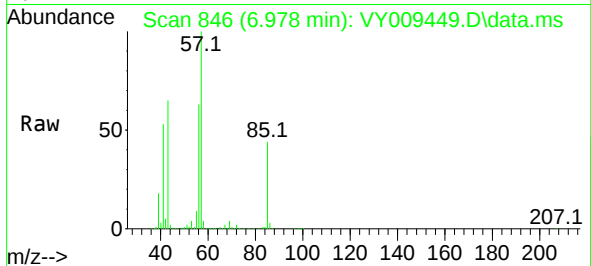




#25
2-Butanone
Concen: 572.143 ug/l
RT: 6.978 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

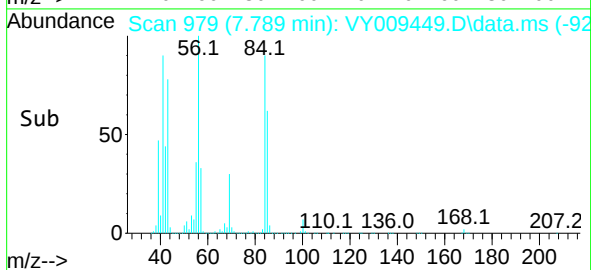
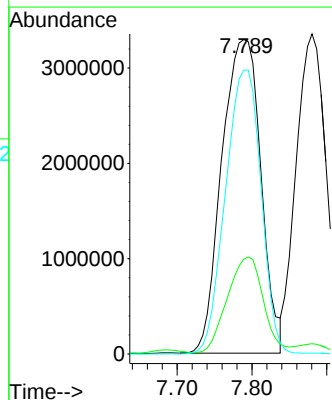
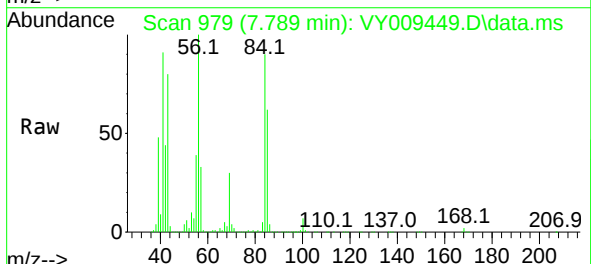
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-11-1-GR

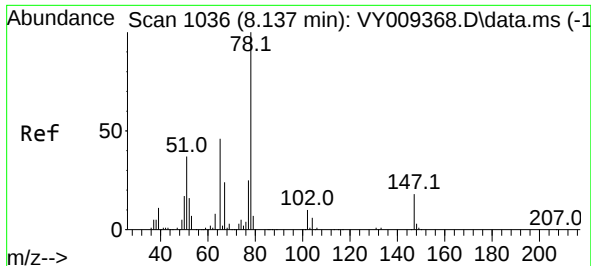
Tgt Ion: 43 Resp: 331747
Ion Ratio Lower Upper
43 100
72 3.8 17.7 26.5#



#31
Cyclohexane
Concen: 4774.555 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion: 56 Resp:11959425
Ion Ratio Lower Upper
56 100
69 29.4 26.7 40.1
84 90.5 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 67.363 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009449.D

Acq: 06 Jul 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

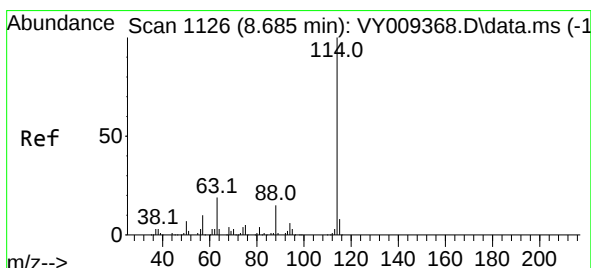
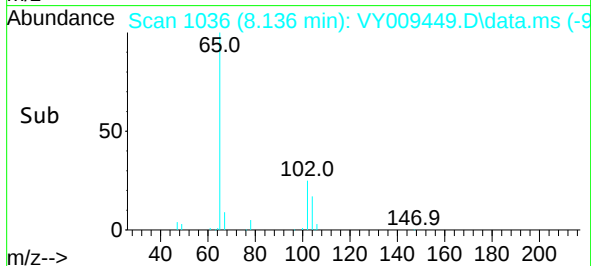
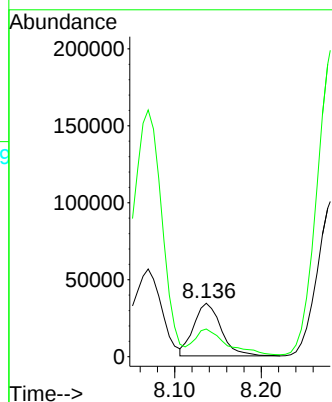
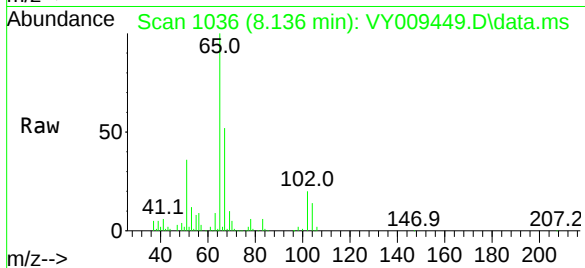
WC-14B-11-1-GR

Tgt Ion: 65 Resp: 75018

Ion Ratio Lower Upper

65 100

67 56.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009449.D

Acq: 06 Jul 2022 13:21

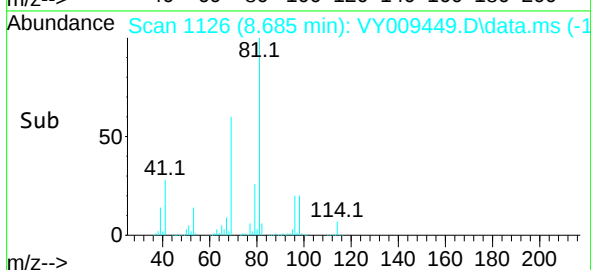
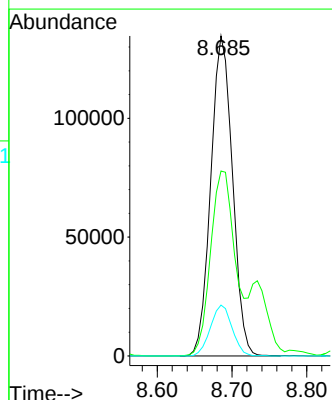
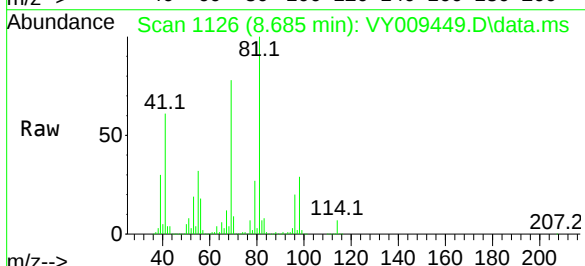
Tgt Ion: 114 Resp: 271985

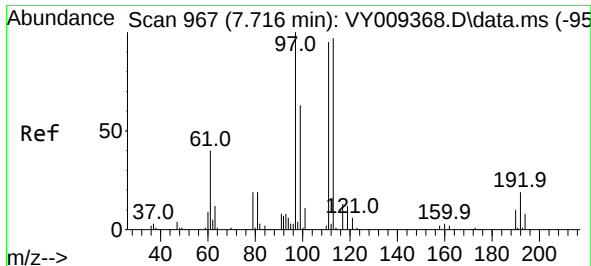
Ion Ratio Lower Upper

114 100

63 57.8 0.0 43.2#

88 15.9 0.0 31.8

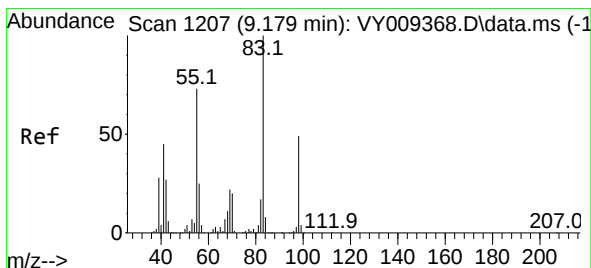
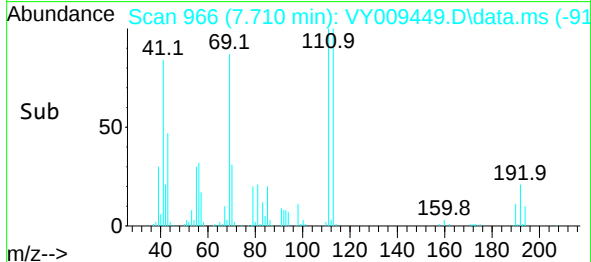
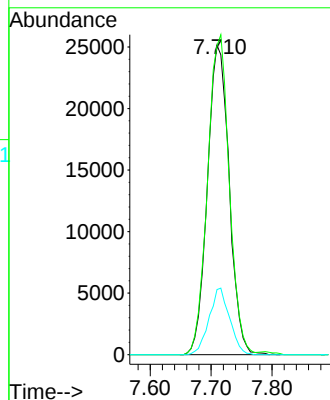
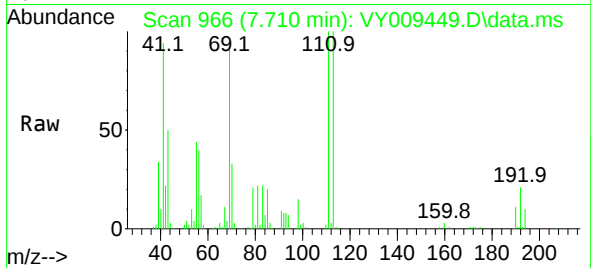




#35
Dibromofluoromethane
Concen: 41.795 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

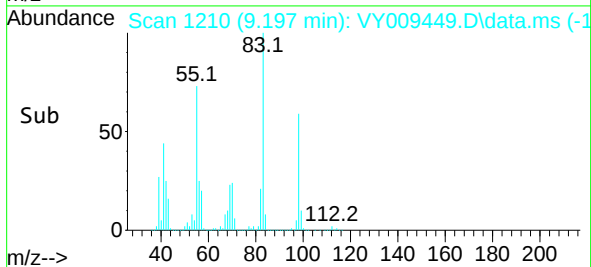
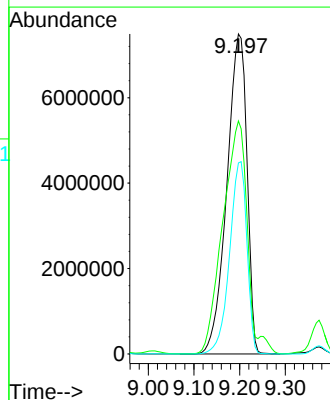
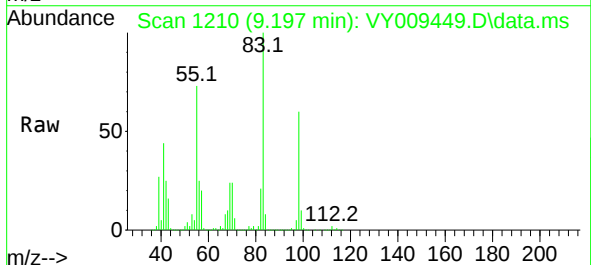
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-11-1-GR

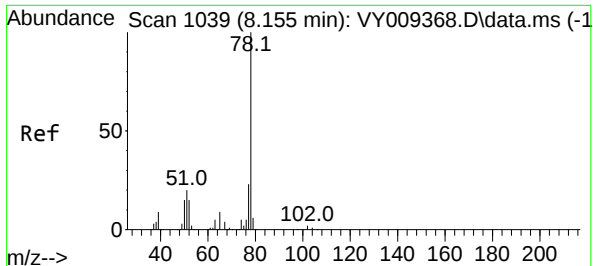
Tgt Ion:113 Resp: 62565
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 20.2 17.6 26.4



#39
Methylcyclohexane
Concen: 7391.320 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. 0.018 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion: 83 Resp:22896494
Ion Ratio Lower Upper
83 100
55 72.8 66.5 99.7
98 59.7 37.9 56.9#

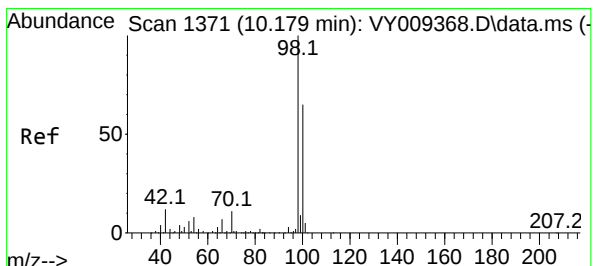
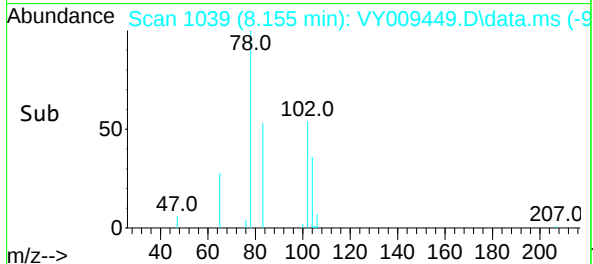
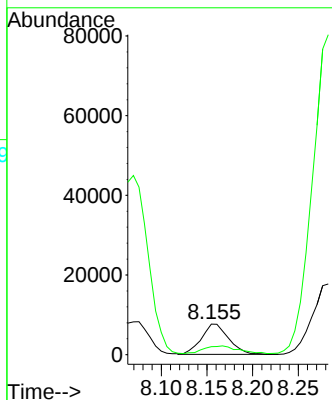
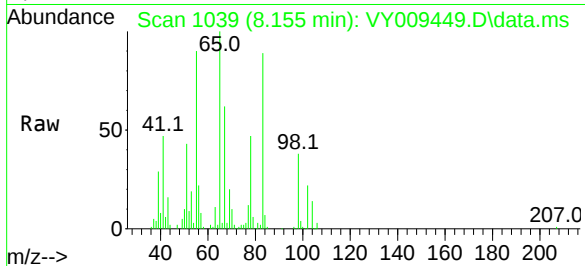




#40
Benzene
Concen: 2.061 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

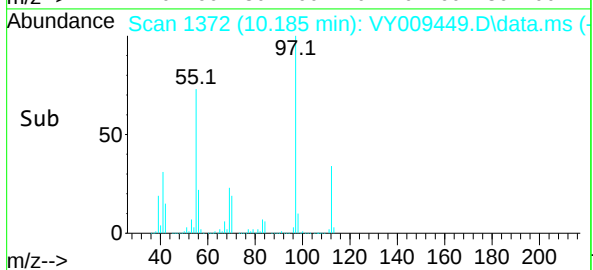
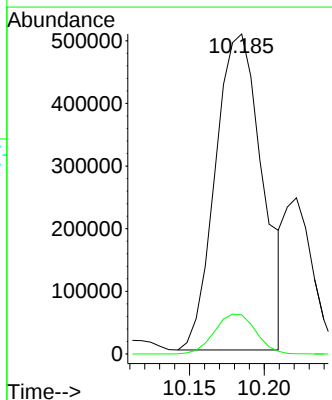
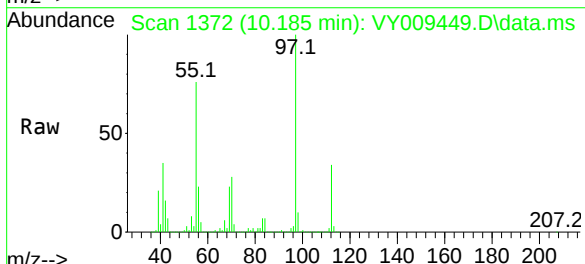
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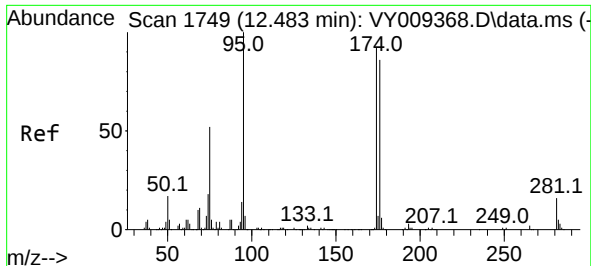
Tgt Ion: 78 Resp: 15776
Ion Ratio Lower Upper
78 100
77 21.9 20.4 30.6



#50
Toluene-d8
Concen: 240.605 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion: 98 Resp: 1104285
Ion Ratio Lower Upper
98 100
100 11.1 50.2 75.2#

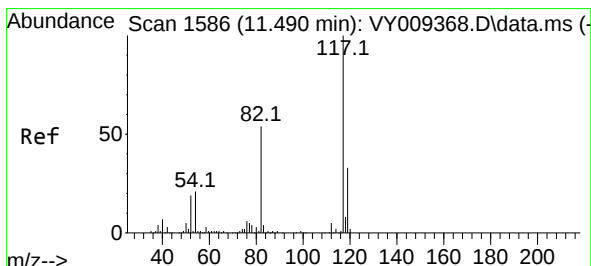
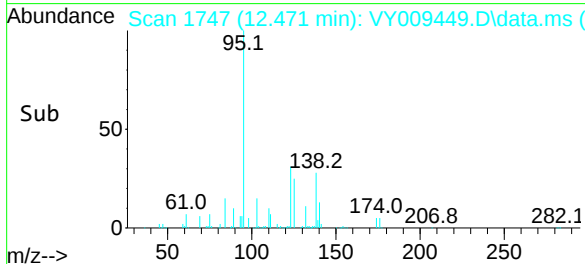
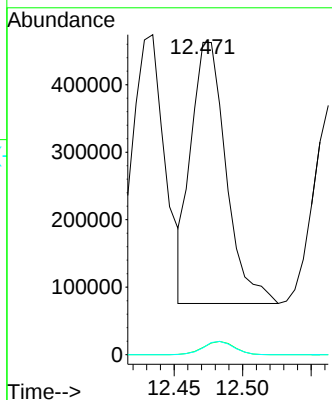
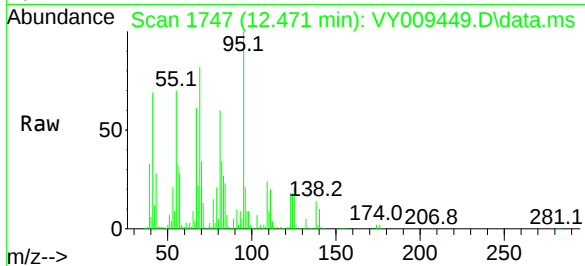




#62
4-Bromofluorobenzene
Concen: 316.282 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

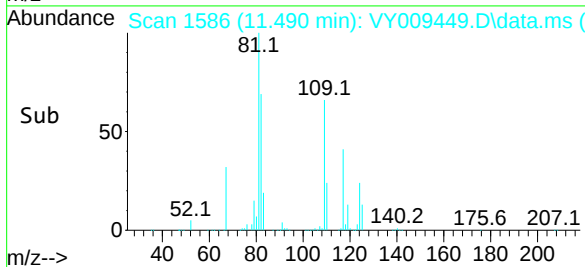
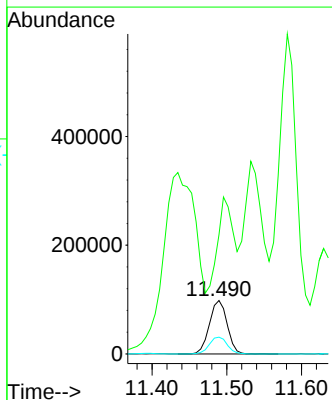
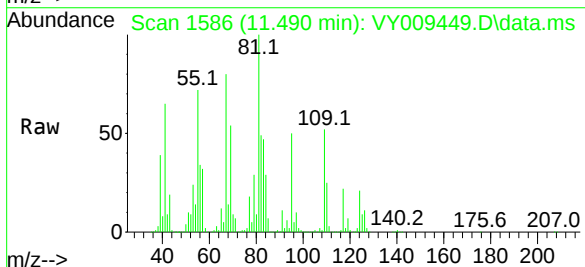
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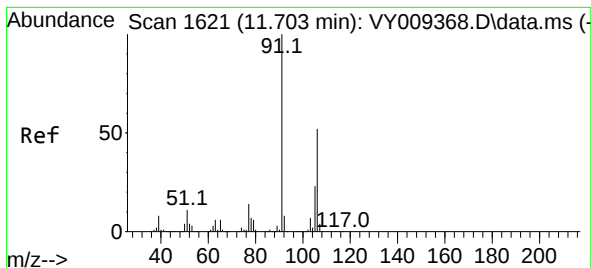
Tgt Ion: 95 Resp: 688456
Ion Ratio Lower Upper
95 100
174 4.5 0.0 177.0
176 4.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion: 117 Resp: 162095
Ion Ratio Lower Upper
117 100
82 0.0 43.0 64.4#
119 31.5 25.4 38.0

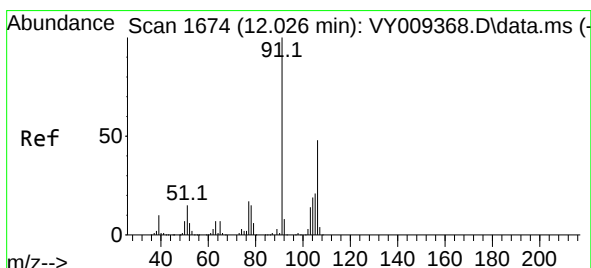
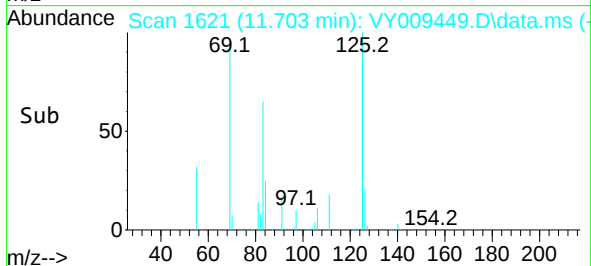
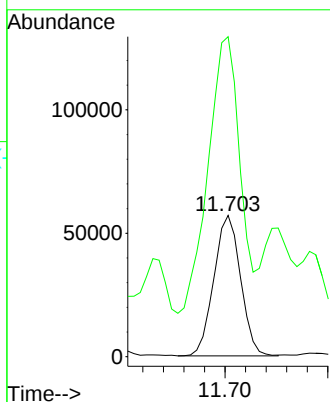
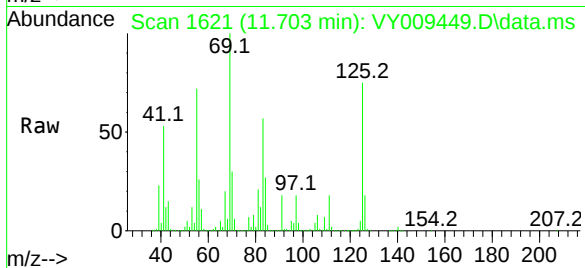




#68
m/p-Xylenes
Concen: 42.649 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

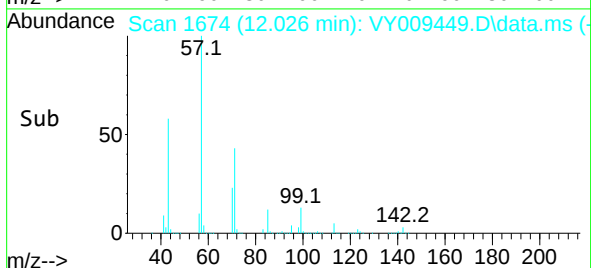
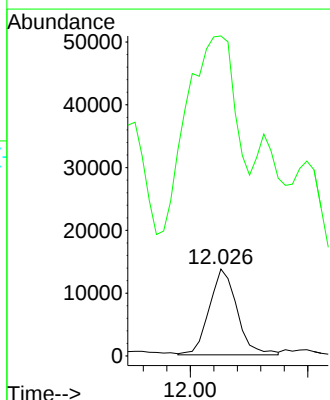
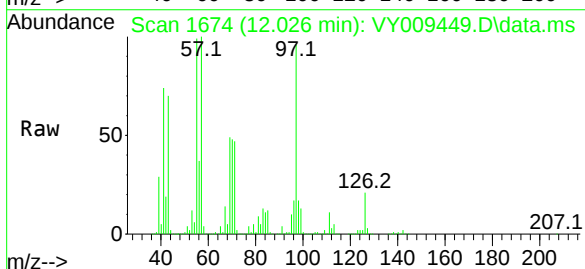
Instrument :
MSVOA_Y
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WC-14B-11-1-GR

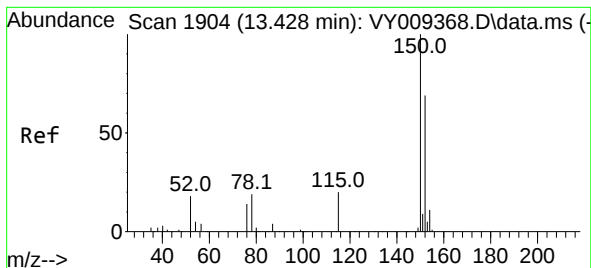
Tgt Ion:106 Resp: 102609
Ion Ratio Lower Upper
106 100
91 232.4 166.6 249.8



#69
o-Xylene
Concen: 9.892 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion:106 Resp: 22459
Ion Ratio Lower Upper
106 100
91 415.2 110.3 331.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.404 min Scan# 1900

Delta R.T. -0.018 min

Lab File: VY009449.D

Acq: 06 Jul 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

WC-14B-11-1-GR

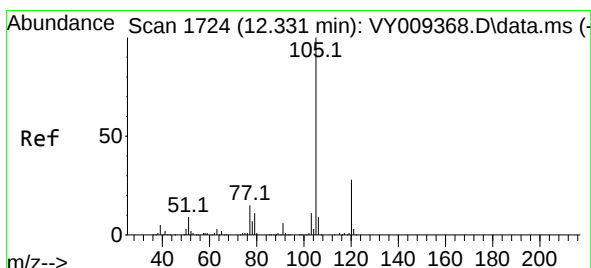
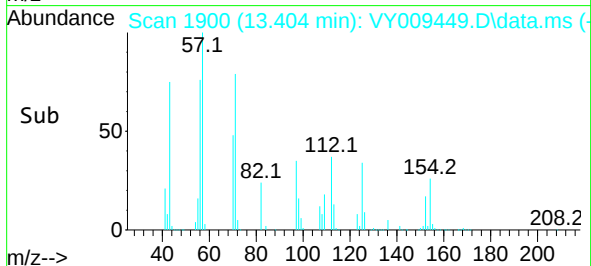
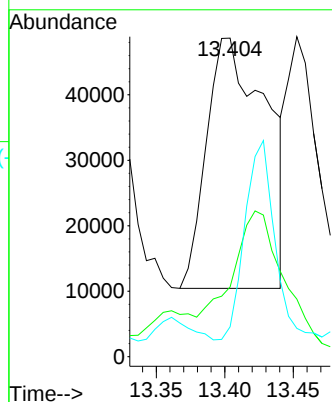
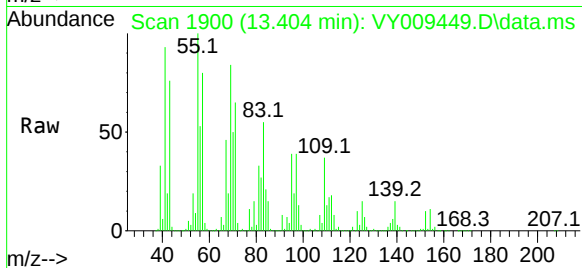
Tgt Ion:152 Resp: 115419

Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.7#

150 0.0 0.0 347.6



#73

Isopropylbenzene

Concen: 61.871 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VY009449.D

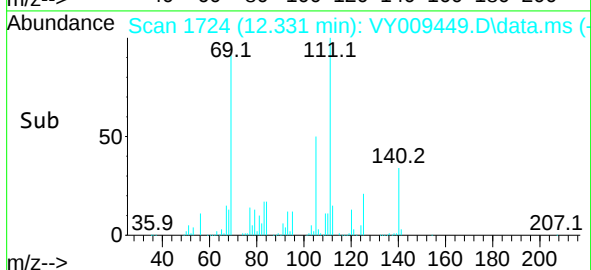
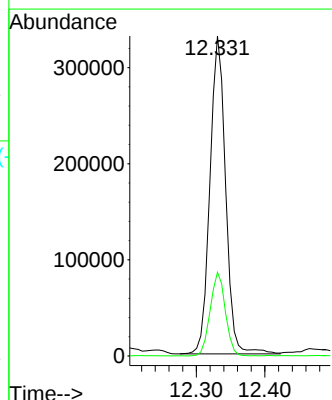
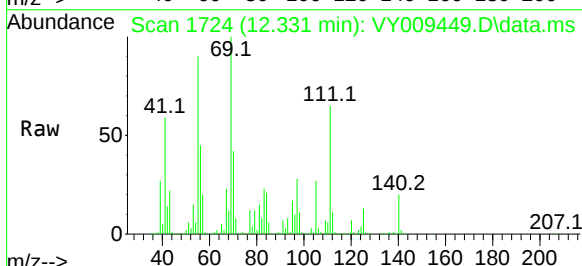
Acq: 06 Jul 2022 13:21

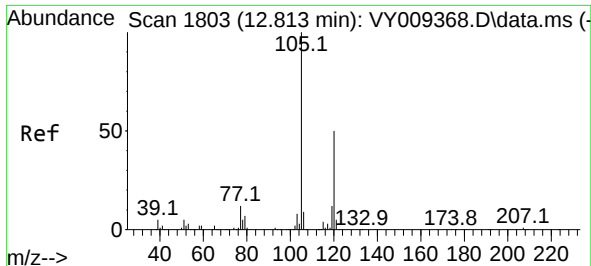
Tgt Ion:105 Resp: 527456

Ion Ratio Lower Upper

105 100

120 25.4 13.4 40.2

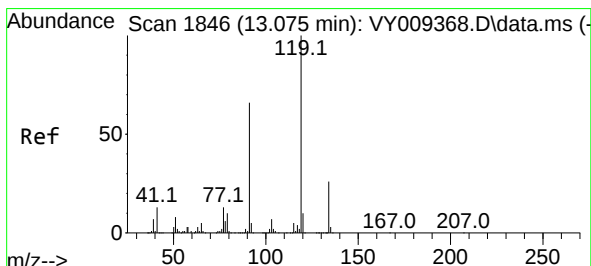
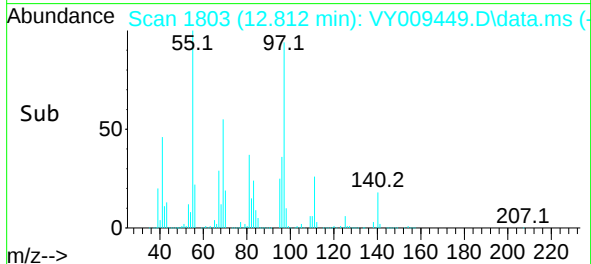
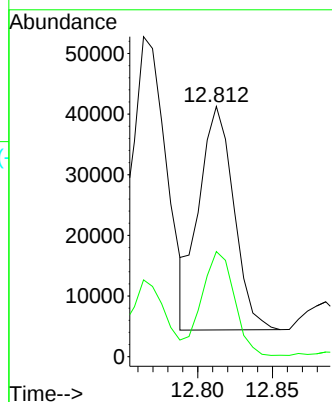
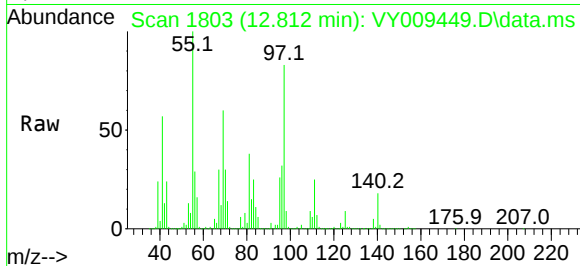




#80
1,3,5-Trimethylbenzene
Concen: 8.420 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

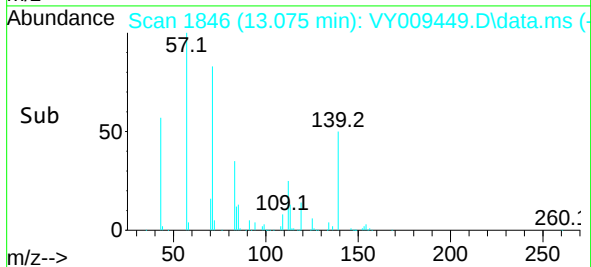
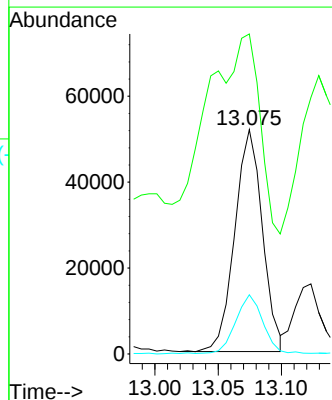
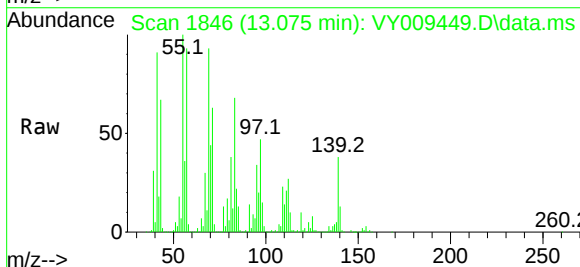
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-11-1-GR

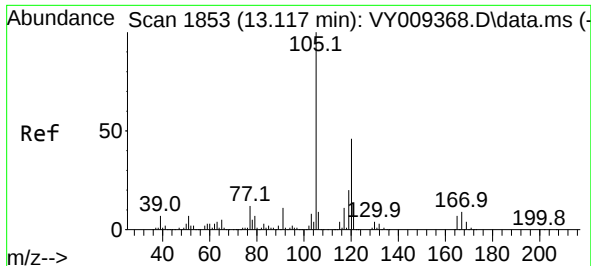
Tgt Ion:105 Resp: 60025
Ion Ratio Lower Upper
105 100
120 43.3 24.4 73.4



#83
tert-Butylbenzene
Concen: 13.140 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion:119 Resp: 78707
Ion Ratio Lower Upper
119 100
91 168.6 34.8 104.4#
134 25.8 13.3 39.9

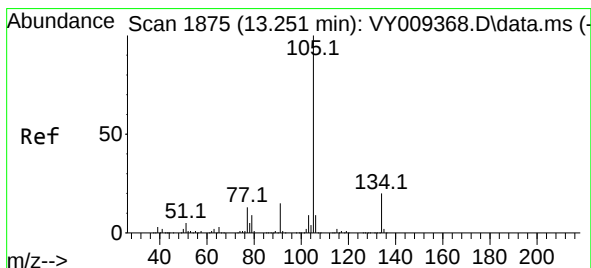
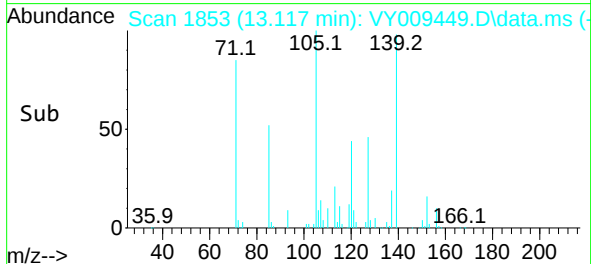
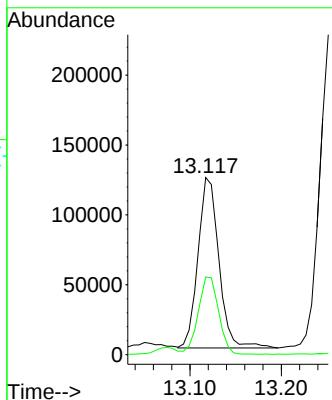
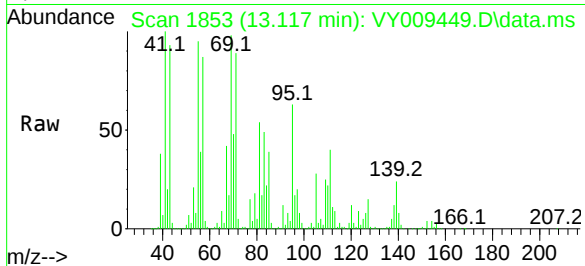




#84
1,2,4-Trimethylbenzene
Concen: 28.591 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

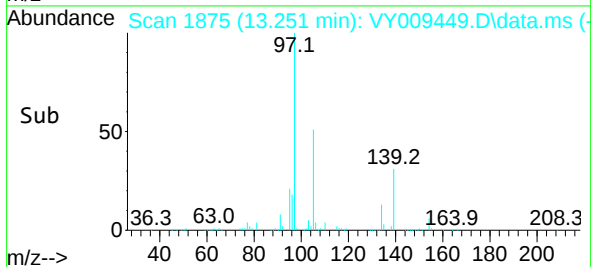
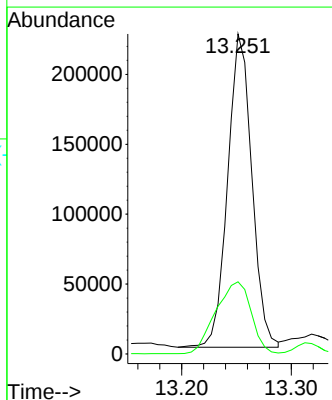
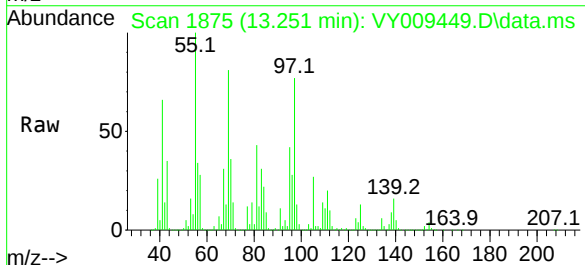
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-11-1-GR

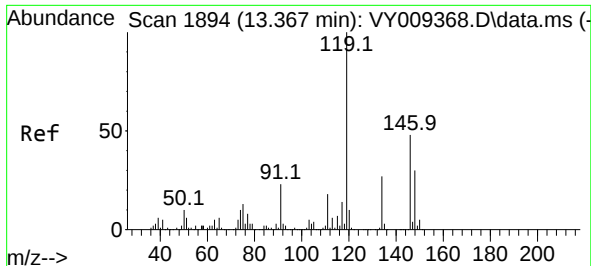
Tgt Ion:105 Resp: 193694
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 38.098 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion:105 Resp: 343703
Ion Ratio Lower Upper
105 100
134 33.5 10.2 30.4#

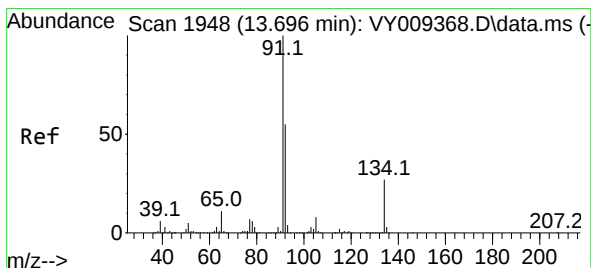
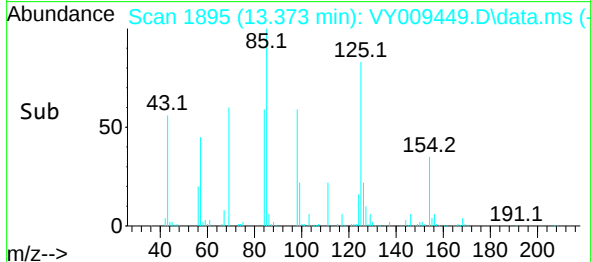
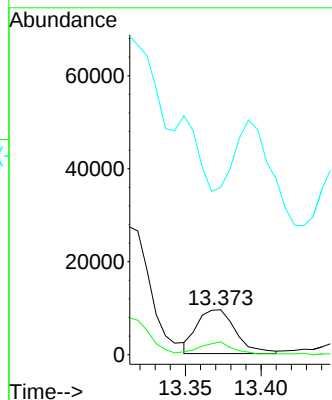
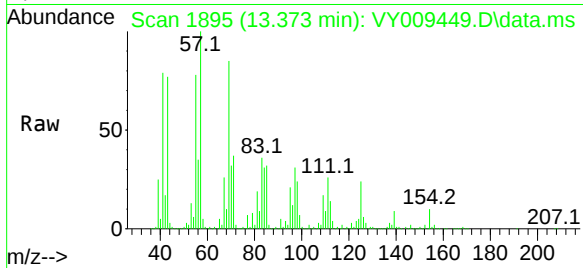




#86
p-Isopropyltoluene
Concen: 2.212 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-11-1-GR

Tgt Ion:119 Resp: 16780
Ion Ratio Lower Upper
119 100
134 0.0 13.2 39.5#
91 0.0 12.4 37.2#



#89
n-Butylbenzene
Concen: 26.038 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY009449.D
Acq: 06 Jul 2022 13:21

Tgt Ion: 91 Resp: 185602
Ion Ratio Lower Upper
91 100
92 42.8 26.3 78.9
134 29.2 13.0 38.9

