

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022222\
 Data File : VY007586.D
 Acq On : 22 Feb 2022 16:30
 Operator : SY/MD
 Sample : N1634-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Quant Time: Feb 23 03:31:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 15:25:36 2022
 Response via : Initial Calibration

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

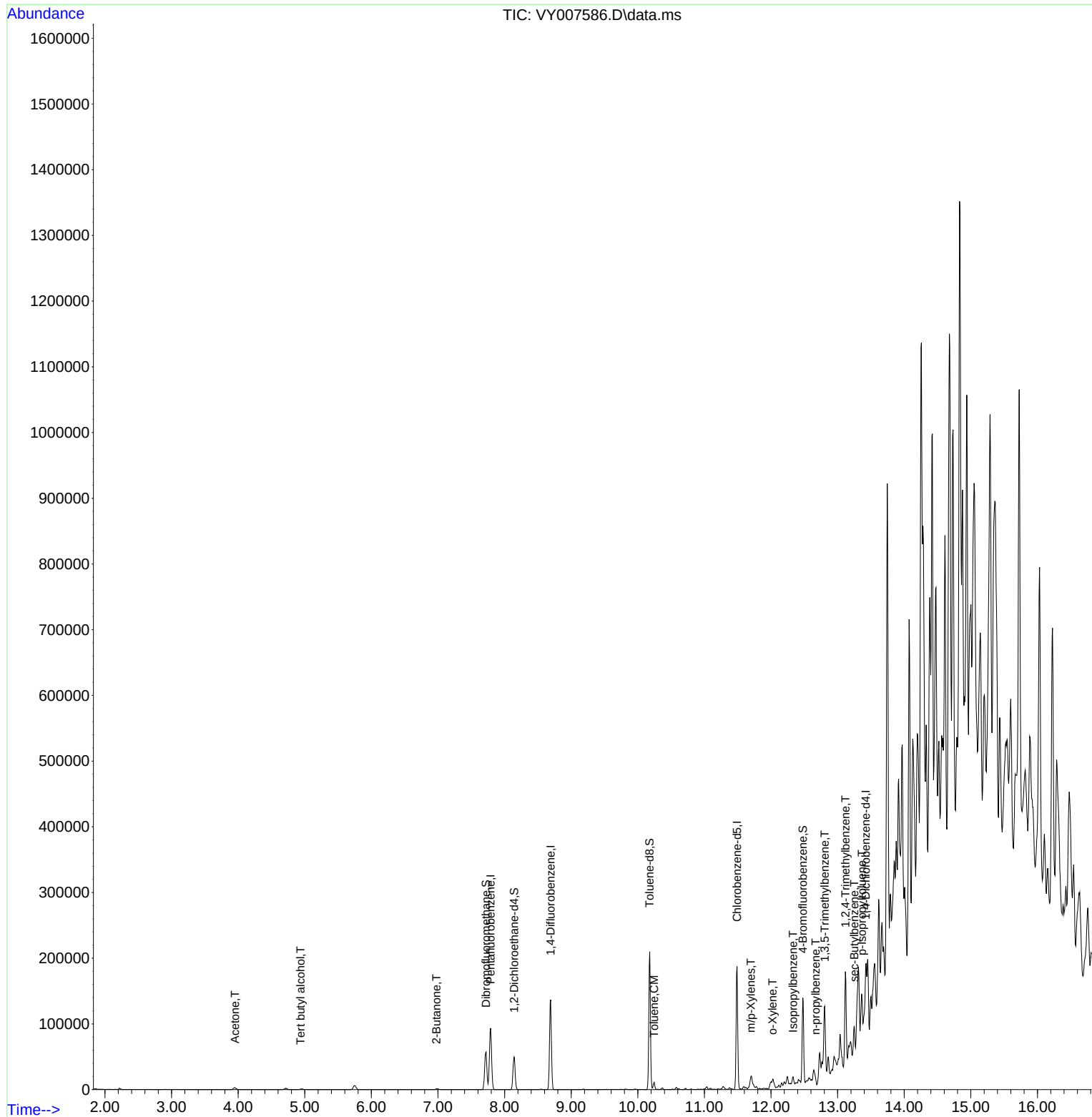
Internal Standards						
1) Pentafluorobenzene	7.789	168	69063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	113483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	97642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	25091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40874	57.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.280%
35) Dibromofluoromethane	7.722	113	36840	51.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.400%
50) Toluene-d8	10.179	98	130443	52.282	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.560%
62) 4-Bromofluorobenzene	12.477	95	35410	39.197	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.400%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	2388	37.872	ug/l	# 95
16) Acetone	3.954	43	5729	33.948	ug/l	91
25) 2-Butanone	6.978	43	2063	10.738	ug/l	93
52) Toluene	10.246	92	4317	2.236	ug/l	95
68) m/p-Xylenes	11.697	106	4039	2.924	ug/l	96
69) o-Xylene	12.026	106	2201	1.671	ug/l	89
73) Isopropylbenzene	12.331	105	2424	1.221	ug/l	95
78) n-propylbenzene	12.672	91	5752	2.485	ug/l	92
80) 1,3,5-Trimethylbenzene	12.806	105	13041	7.833	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	70025	42.793	ug/l	98
85) sec-Butylbenzene	13.251	105	10149	4.741	ug/l	83
86) p-Isopropyltoluene	13.367	119	19776	10.971	ug/l	99

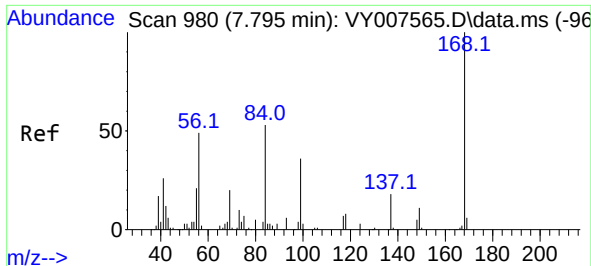
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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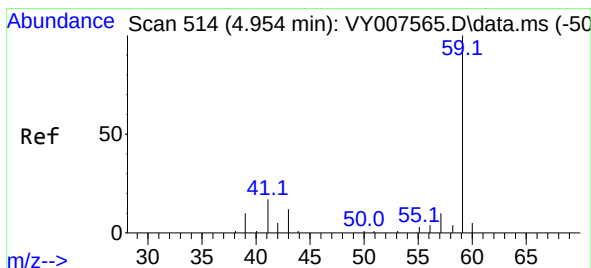
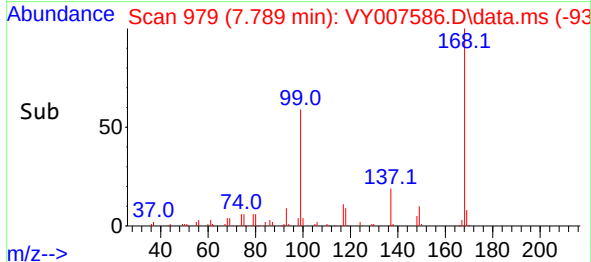
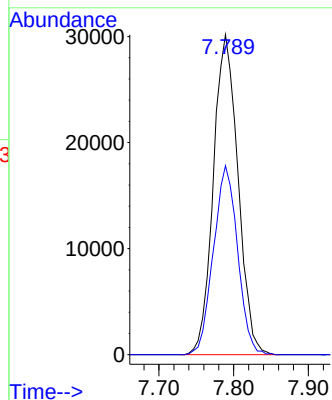
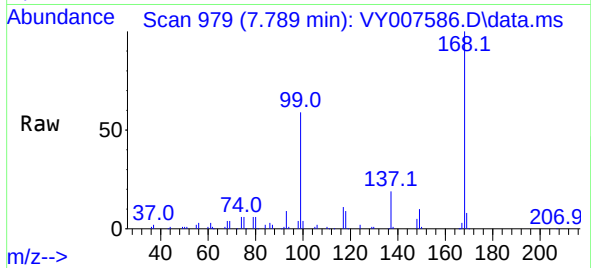




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

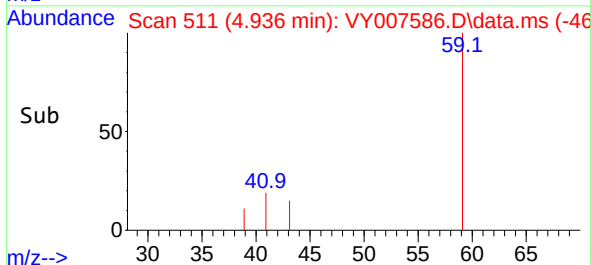
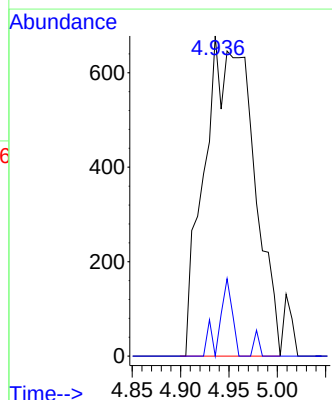
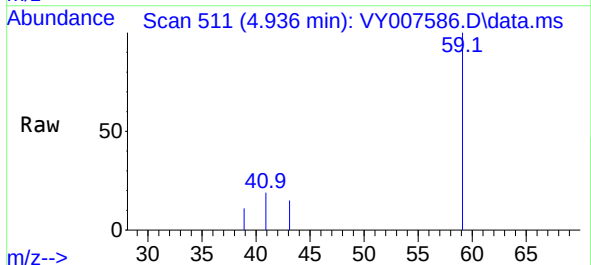
Instrument :
MSVOA_Y
ClientSampleId :
20071

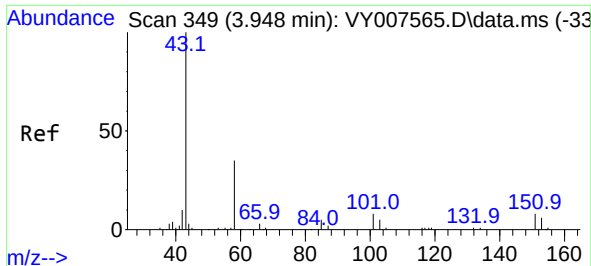
Tgt Ion:168 Resp: 69063
Ion Ratio Lower Upper
168 100
99 59.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 37.872 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion: 59 Resp: 2388
Ion Ratio Lower Upper
59 100
57 6.4 6.4 9.6#

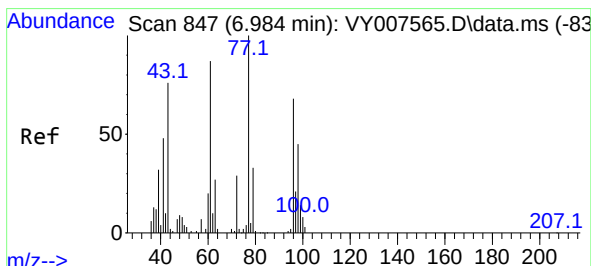
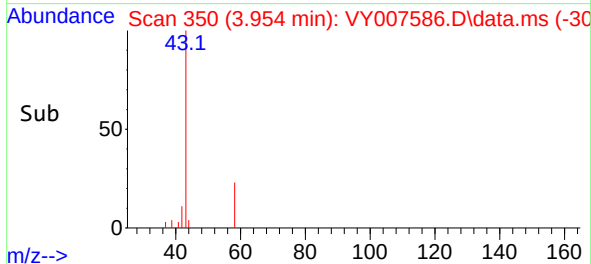
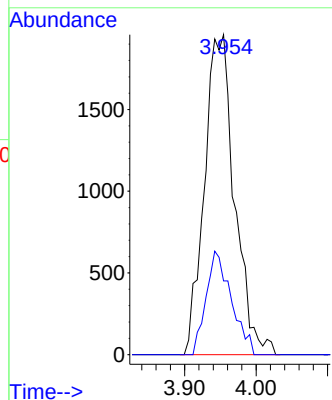
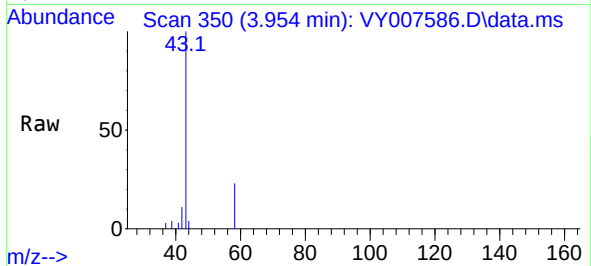




#16
Acetone
Concen: 33.948 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

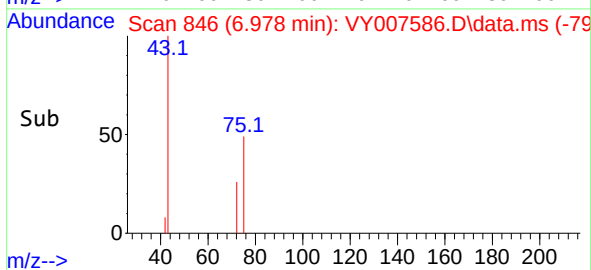
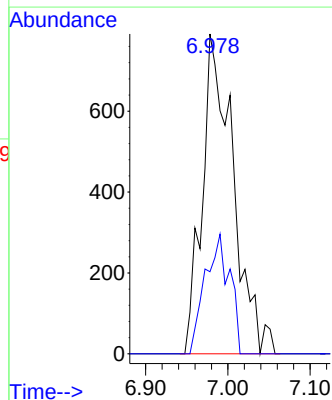
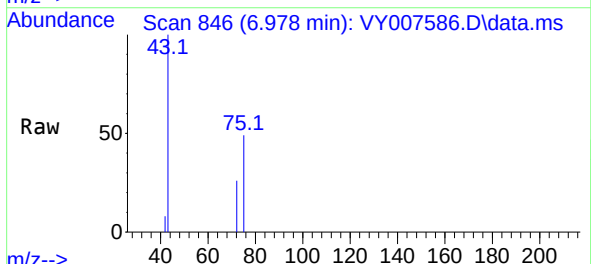
Instrument :
MSVOA_Y
ClientSampleId :
20071

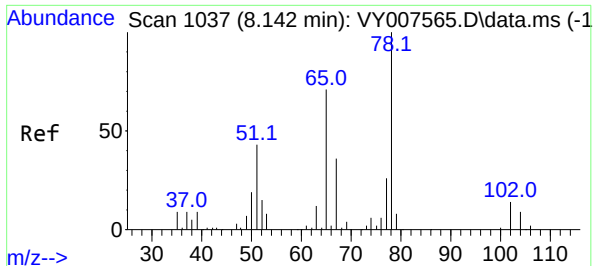
Tgt Ion: 43 Resp: 5729
Ion Ratio Lower Upper
43 100
58 23.0 22.0 33.0



#25
2-Butanone
Concen: 10.738 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion: 43 Resp: 2063
Ion Ratio Lower Upper
43 100
72 25.7 17.7 26.5





#33

1,2-Dichloroethane-d4

Concen: 57.143 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007586.D

Acq: 22 Feb 2022 16:30

Instrument :

MSVOA_Y

ClientSampleId :

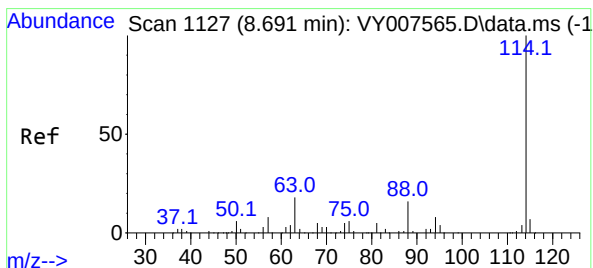
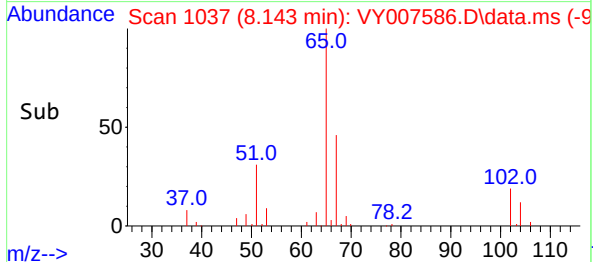
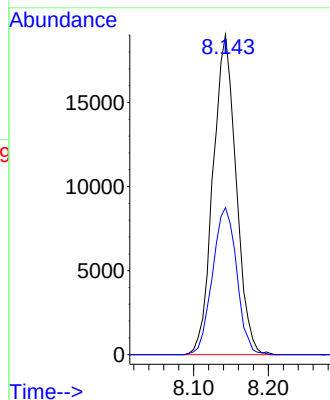
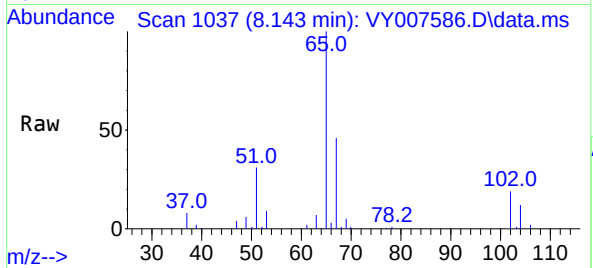
20071

Tgt Ion: 65 Resp: 40874

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007586.D

Acq: 22 Feb 2022 16:30

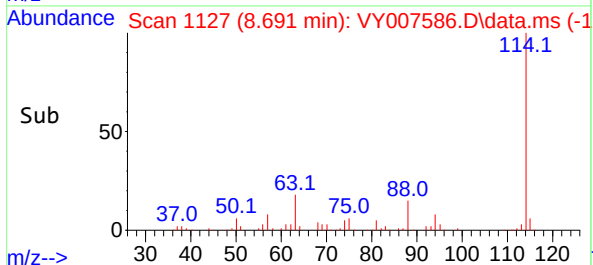
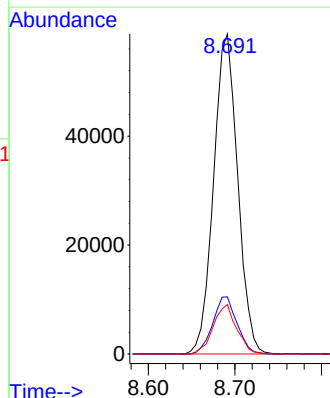
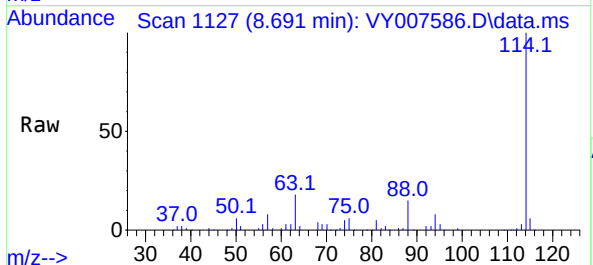
Tgt Ion: 114 Resp: 113483

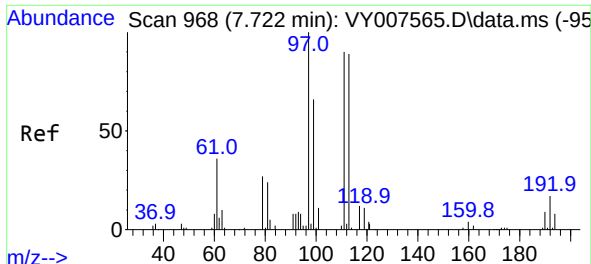
Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 15.4 0.0 31.8

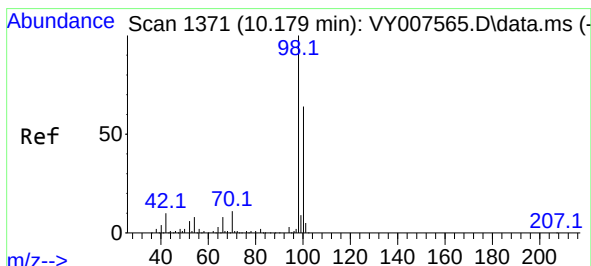
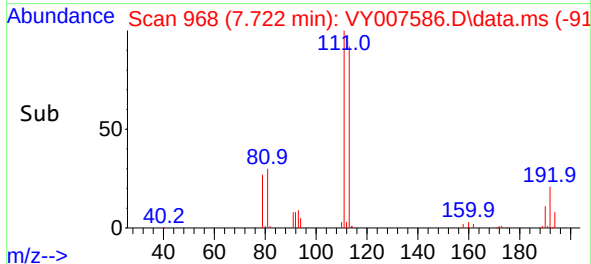
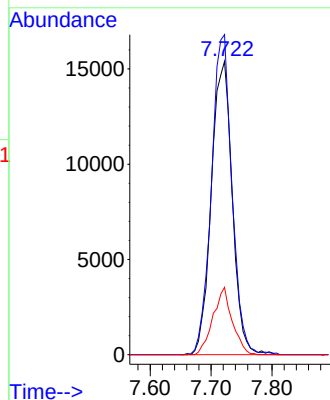
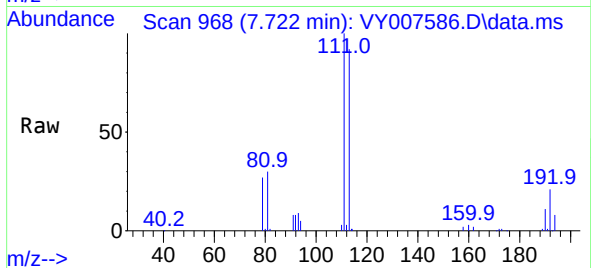




#35
Dibromofluoromethane
Concen: 51.197 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

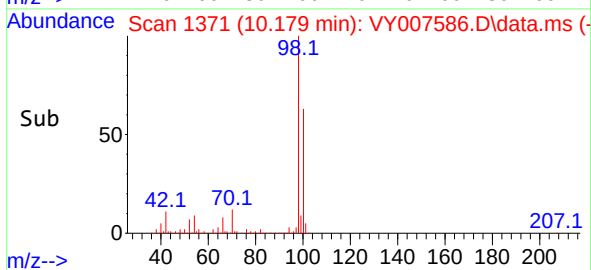
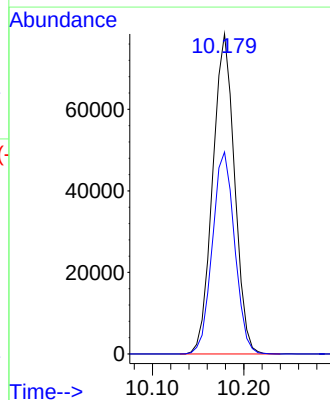
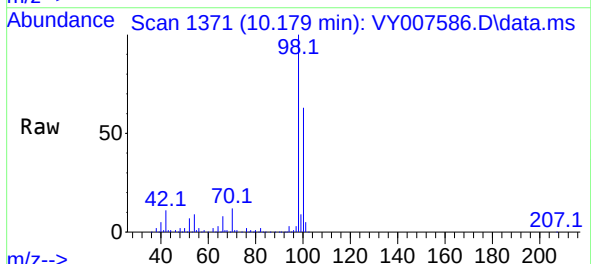
Instrument :
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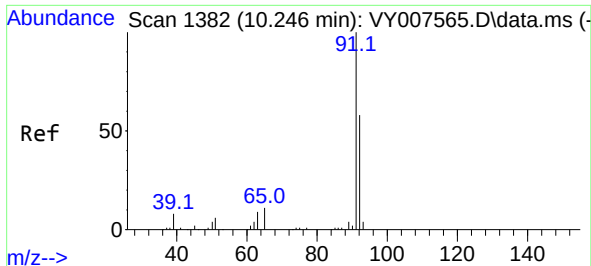
Tgt Ion:113 Resp: 36840
Ion Ratio Lower Upper
113 100
111 106.5 82.6 124.0
192 21.0 17.6 26.4



#50
Toluene-d8
Concen: 52.282 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion: 98 Resp: 130443
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

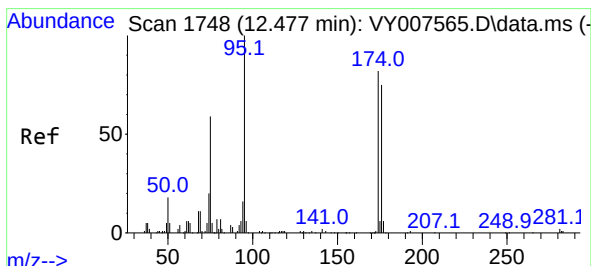
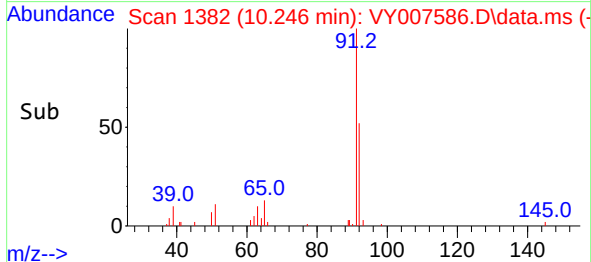
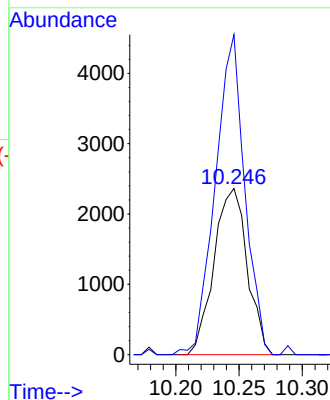
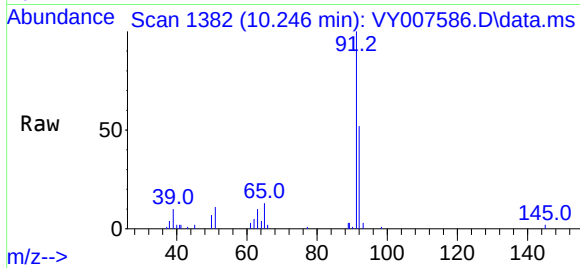




#52
Toluene
Concen: 2.236 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

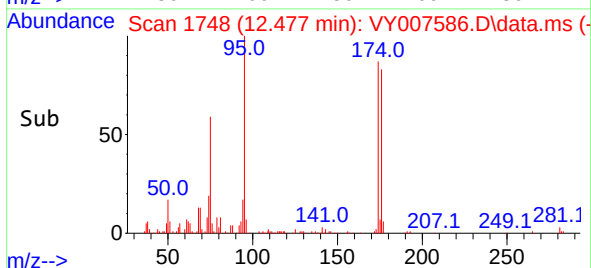
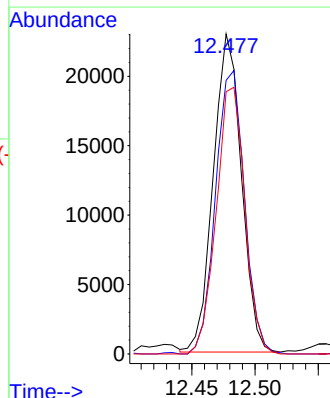
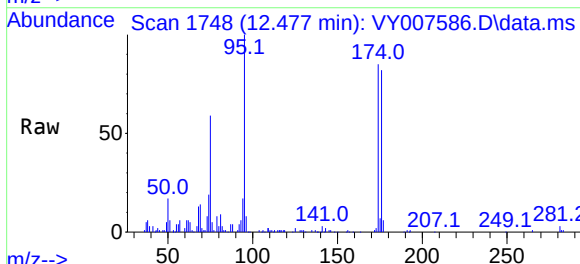
Instrument : MSVOA_Y
ClientSampleId : 20071

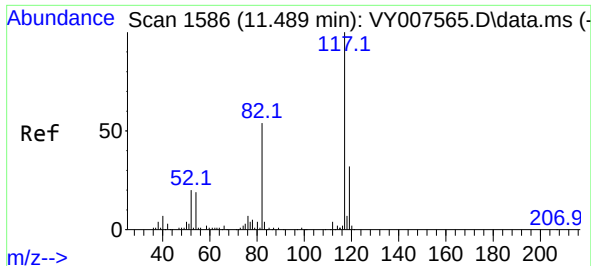
Tgt Ion: 92 Resp: 4317
Ion Ratio Lower Upper
92 100
91 170.8 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 39.197 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion: 95 Resp: 35410
Ion Ratio Lower Upper
95 100
174 91.5 0.0 177.0
176 85.3 0.0 175.8

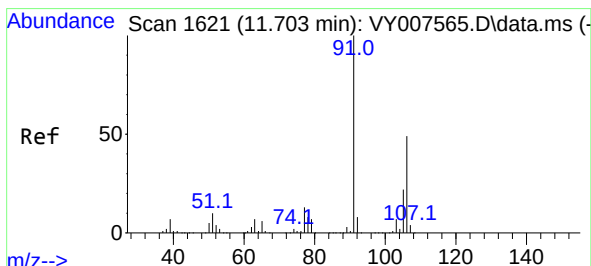
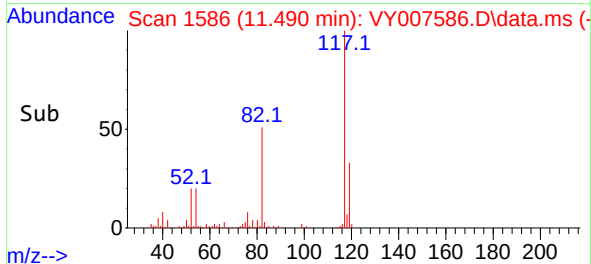
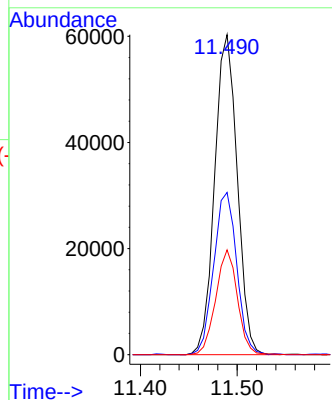
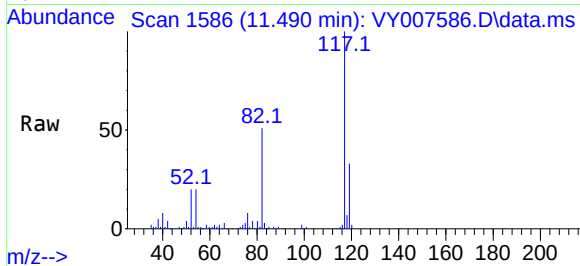




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

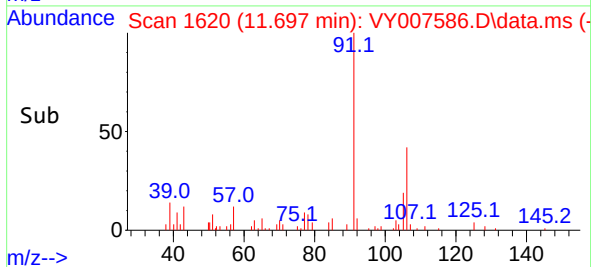
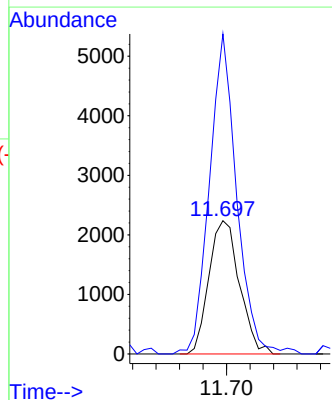
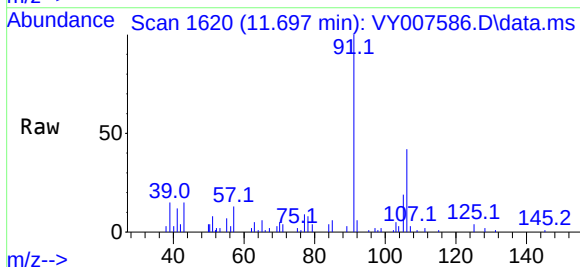
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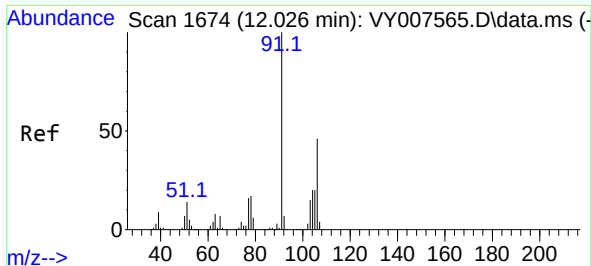
Tgt Ion:117 Resp: 97642
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.4
119 32.8 25.4 38.0



#68
m/p-Xylenes
Concen: 2.924 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion:106 Resp: 4039
Ion Ratio Lower Upper
106 100
91 214.2 166.6 249.8

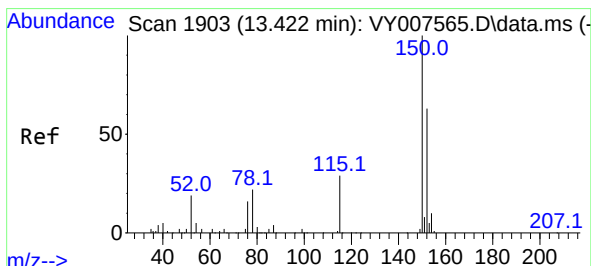
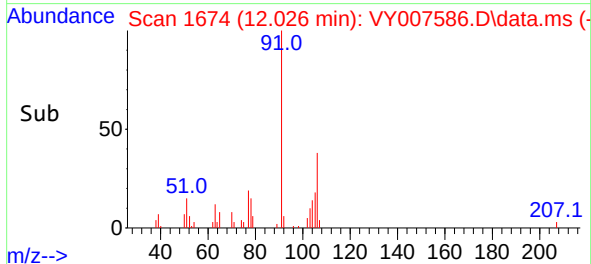
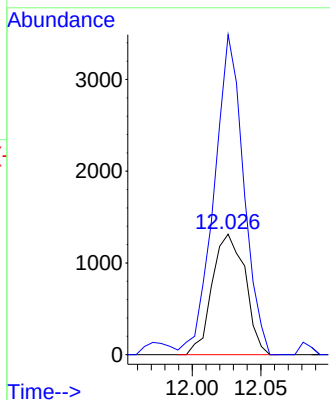
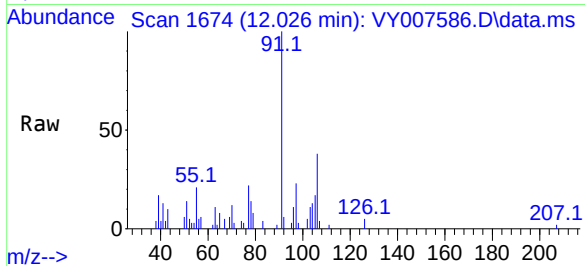




#69
o-Xylene
Concen: 1.671 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

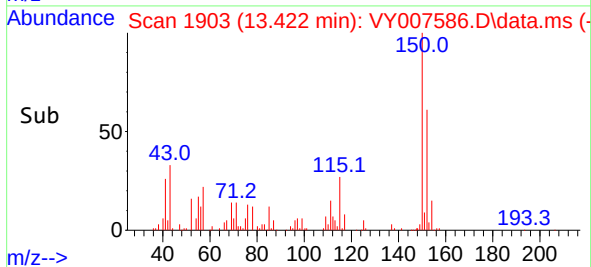
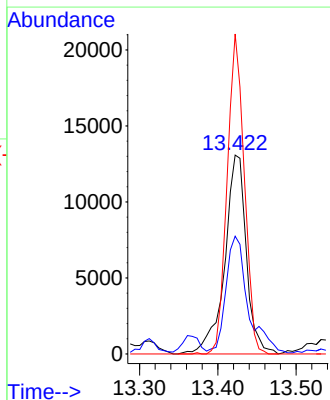
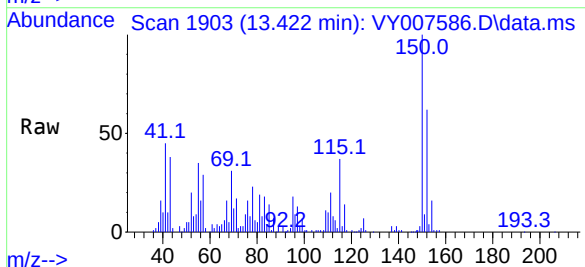
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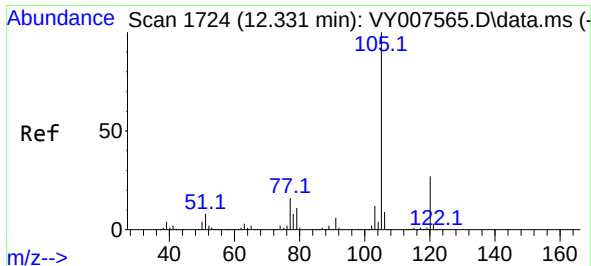
Tgt Ion:106 Resp: 2201
Ion Ratio Lower Upper
106 100
91 238.3 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion:152 Resp: 25091
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 127.6 0.0 347.6

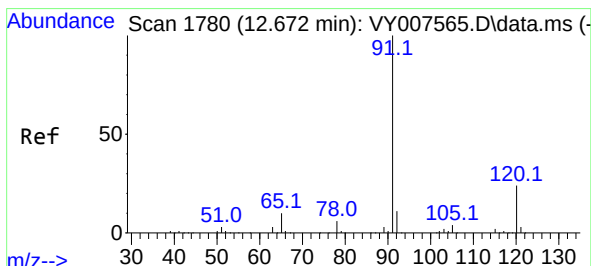
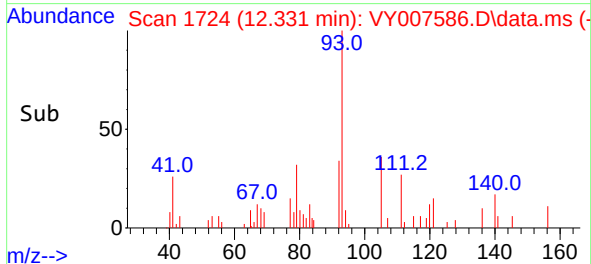
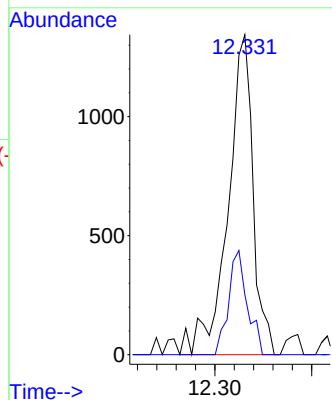
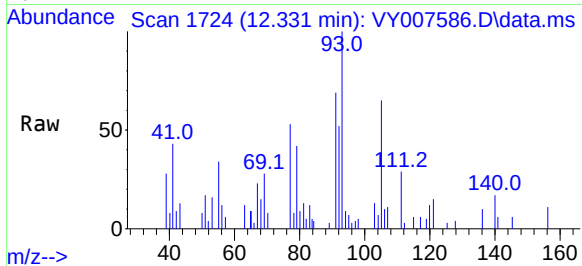




#73
Isopropylbenzene
Concen: 1.221 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

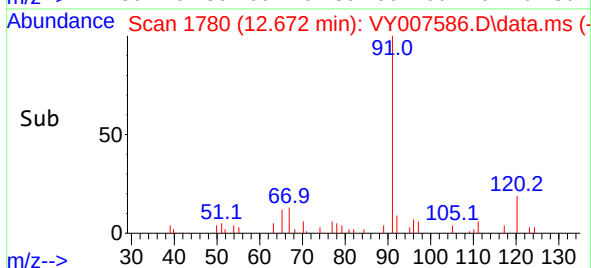
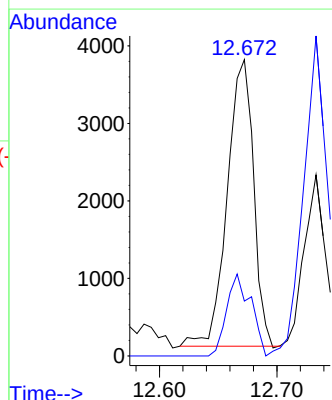
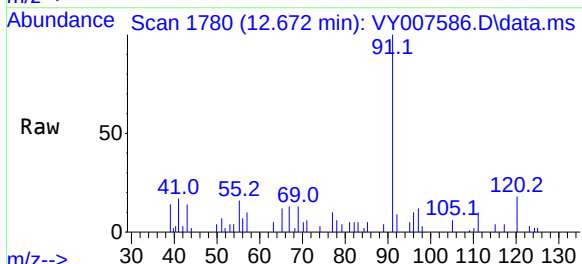
Instrument :
MSVOA_Y
ClientSampleId :
20071

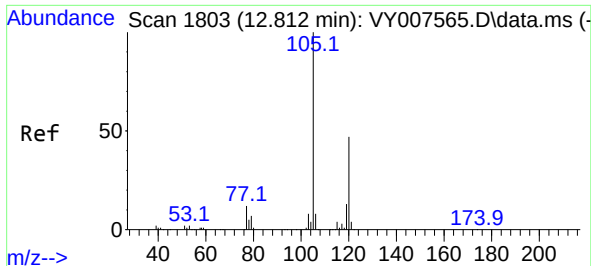
Tgt Ion:105 Resp: 2424
Ion Ratio Lower Upper
105 100
120 24.3 13.4 40.2



#78
n-propylbenzene
Concen: 2.485 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion: 91 Resp: 5752
Ion Ratio Lower Upper
91 100
120 26.6 11.3 33.9

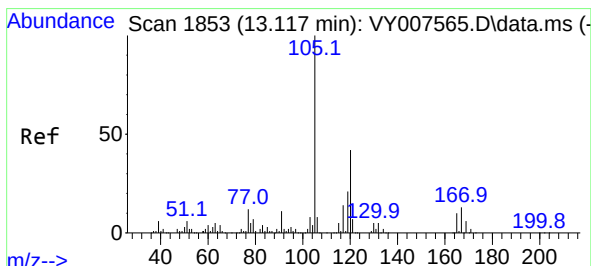
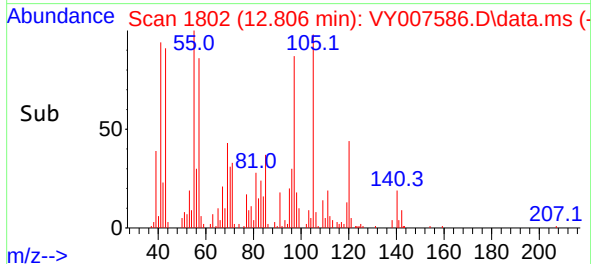
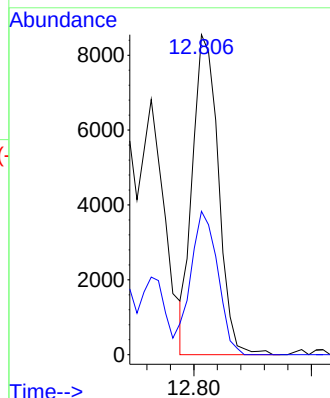
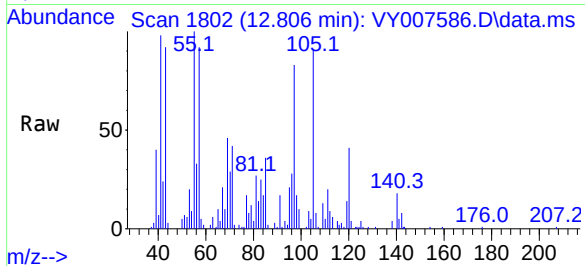




#80
1,3,5-Trimethylbenzene
Concen: 7.833 ug/l
RT: 12.806 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

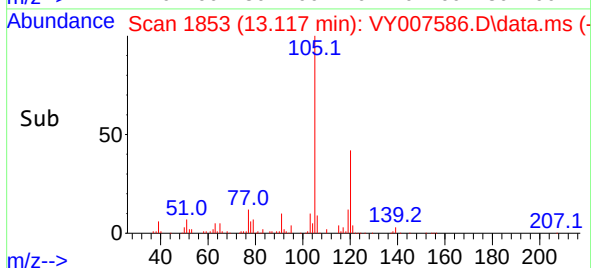
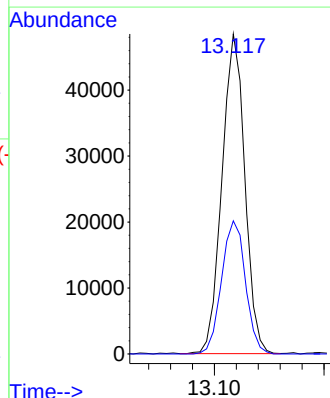
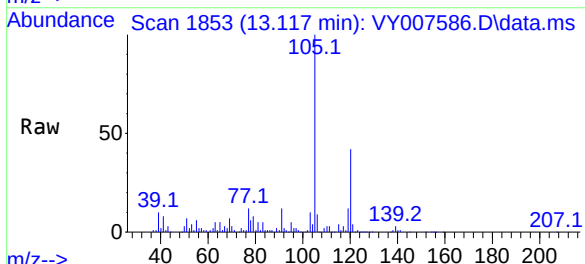
Instrument :
MSVOA_Y
ClientSampleId :
20071

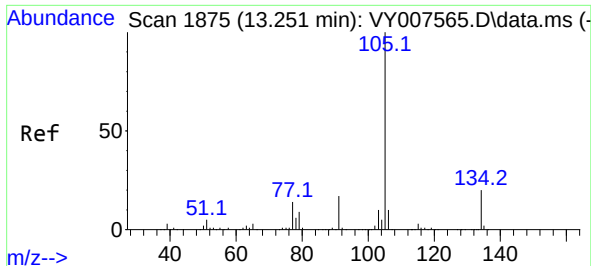
Tgt Ion:105 Resp: 13041
Ion Ratio Lower Upper
105 100
120 47.6 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 42.793 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion:105 Resp: 70025
Ion Ratio Lower Upper
105 100
120 43.6 22.3 66.9

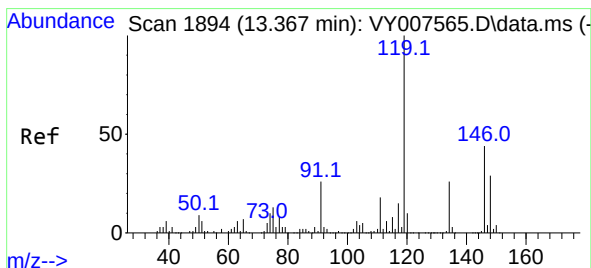
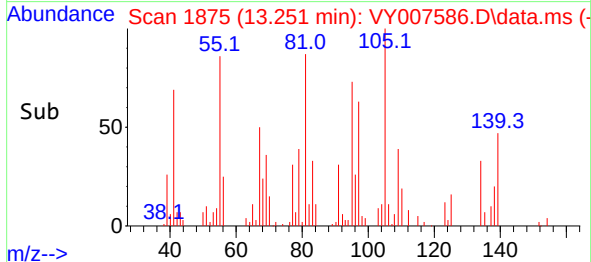
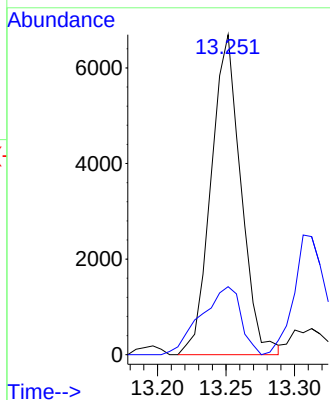
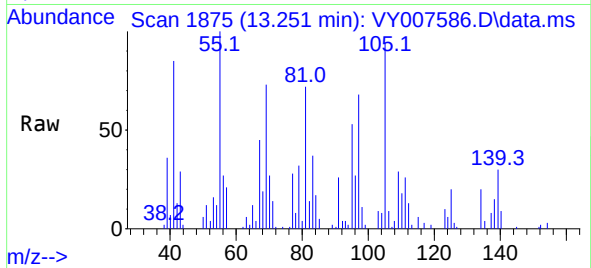




#85
sec-Butylbenzene
Concen: 4.741 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion:105 Resp: 10149
Ion Ratio Lower Upper
105 100
134 28.4 10.2 30.4



#86
p-Isopropyltoluene
Concen: 10.971 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007586.D
Acq: 22 Feb 2022 16:30

Tgt Ion:119 Resp: 19776
Ion Ratio Lower Upper
119 100
134 25.6 13.2 39.5
91 25.6 12.4 37.2

