

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007604.D
 Acq On : 23 Feb 2022 17:43
 Operator : SY/MD
 Sample : N1584-07
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D13-7.5

Quant Time: Feb 24 08:24:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

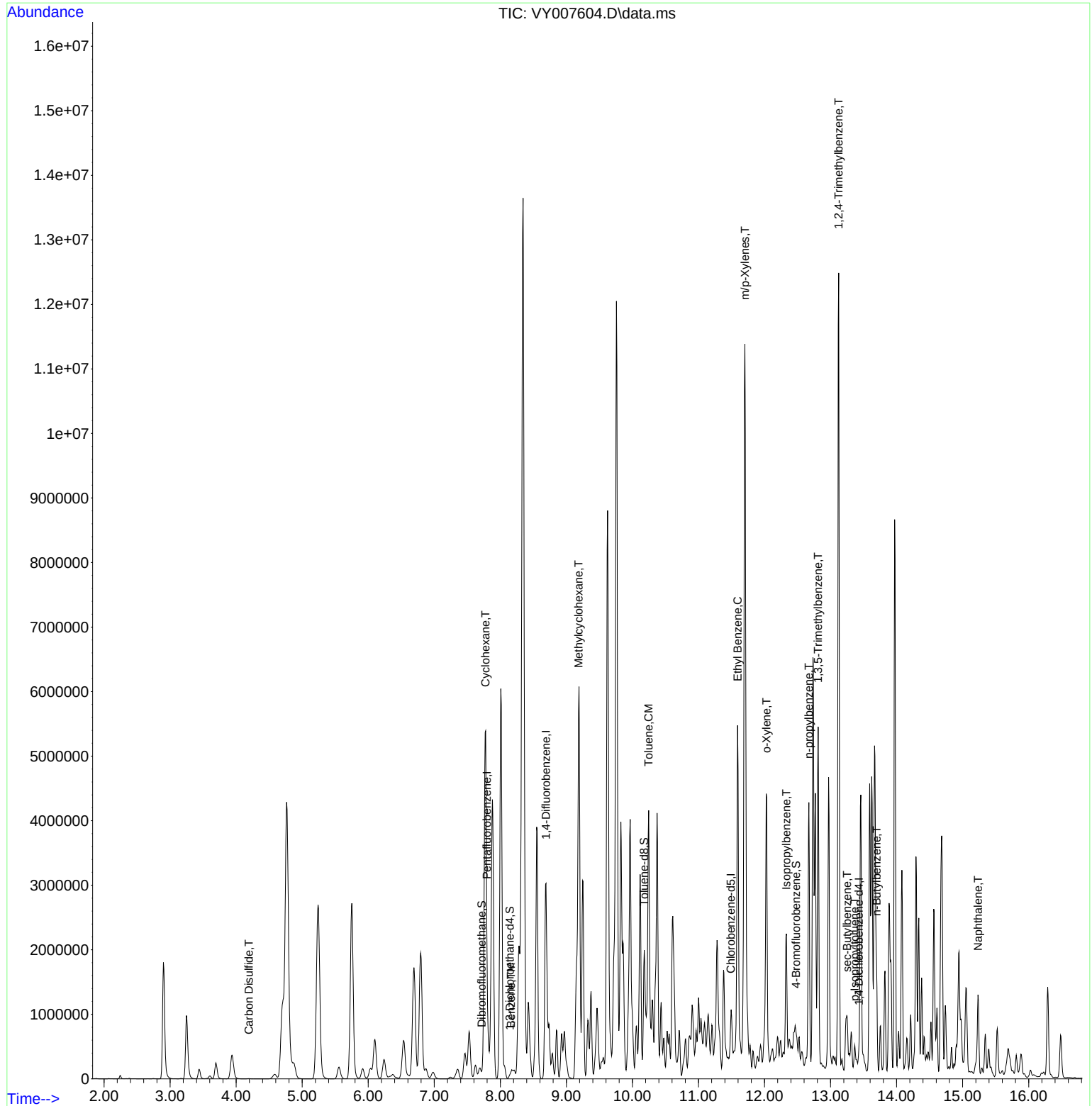
Internal Standards						
1) Pentafluorobenzene	7.795	168	41739	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	74989	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.490	117	77056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39346	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	34803	74.953	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.900%			
35) Dibromofluoromethane	7.716	113	27495	58.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.220%			
50) Toluene-d8	10.179	98	152844	84.484	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 168.960%#			
62) 4-Bromofluorobenzene	12.477	95	67591	112.971	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 225.940%#			
Target Compounds						Qvalue
17) Carbon Disulfide	4.192	76	8471	7.230	ug/l	# 91
31) Cyclohexane	7.777	56	1017799	2221.667	ug/l	# 57
39) Methylcyclohexane	9.185	83	1327362	1772.464	ug/l	86
40) Benzene	8.161	78	37290	19.168	ug/l	98
52) Toluene	10.246	92	1381392	1041.011	ug/l	96
67) Ethyl Benzene	11.593	91	2761236	980.232	ug/l	97
68) m/p-Xylenes	11.703	106	2436022	2208.174	ug/l	80
69) o-Xylene	12.032	106	890815	821.048	ug/l	90
73) Isopropylbenzene	12.331	105	1163338	383.844	ug/l	99
78) n-propylbenzene	12.672	91	2719998	777.066	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	2244141	870.410	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	5696040	2254.018	ug/l	93
85) sec-Butylbenzene	13.251	105	427351	131.263	ug/l	# 53
86) p-Isopropyltoluene	13.367	119	134011	47.897	ug/l	89
89) n-Butylbenzene	13.696	91	756399	300.263	ug/l	# 79
95) Naphthalene	15.233	128	856806	429.409	ug/l	99

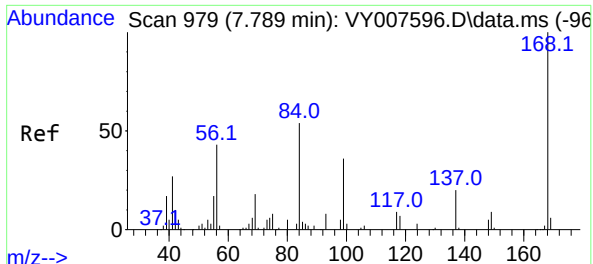
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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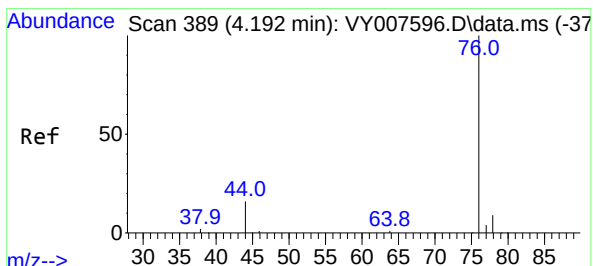
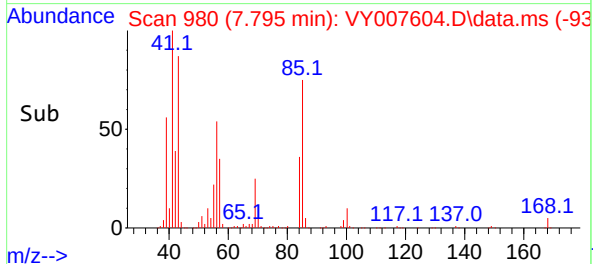
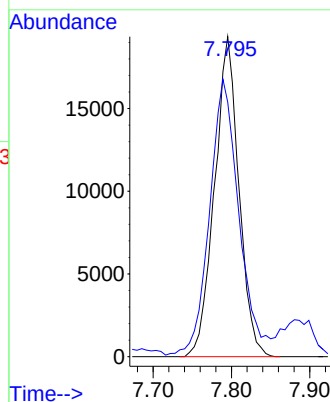
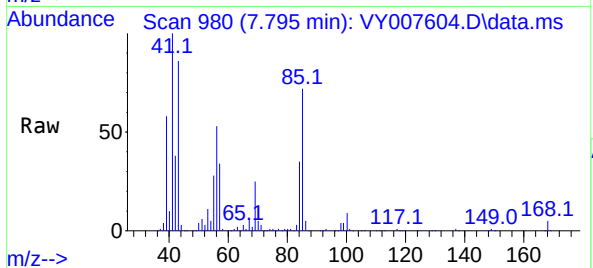




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

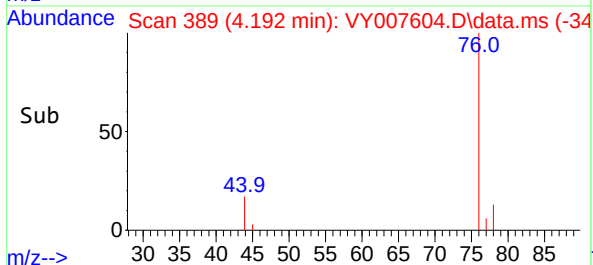
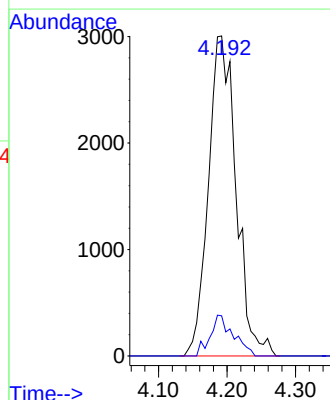
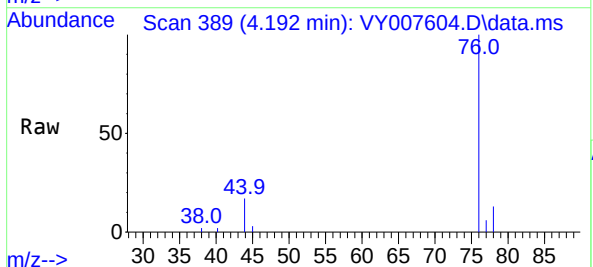
Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

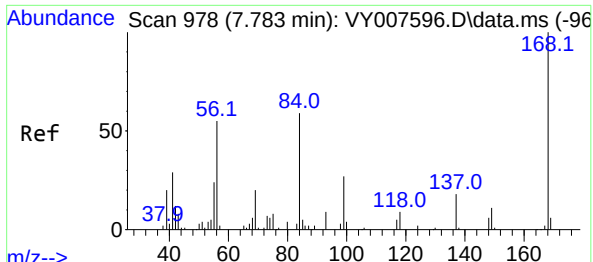
Tgt Ion:168 Resp: 41739
Ion Ratio Lower Upper
168 100
99 77.4 46.9 70.3#



#17
Carbon Disulfide
Concen: 7.230 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion: 76 Resp: 8471
Ion Ratio Lower Upper
76 100
78 12.5 7.4 11.0#

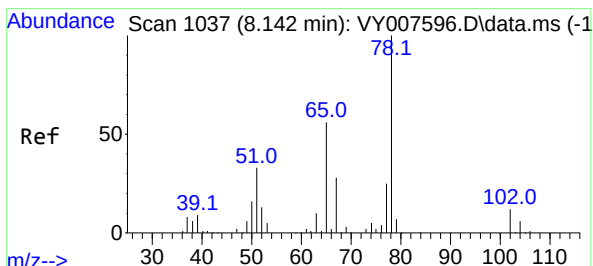
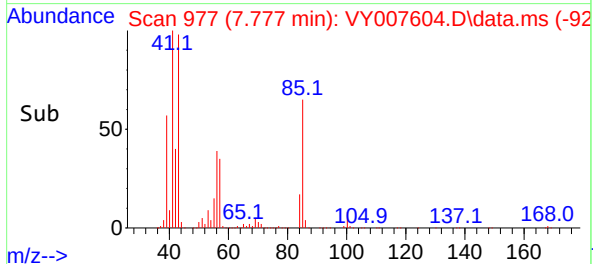
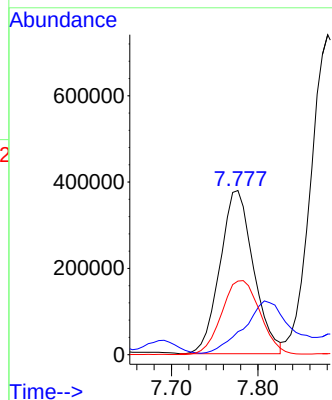
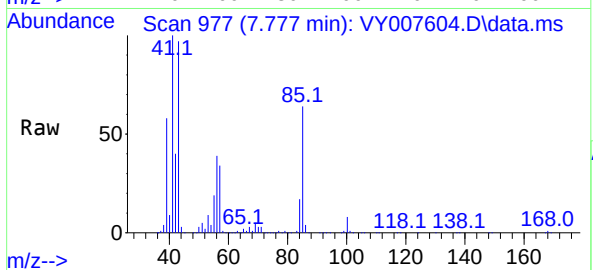




#31
Cyclohexane
Concen: 2221.667 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

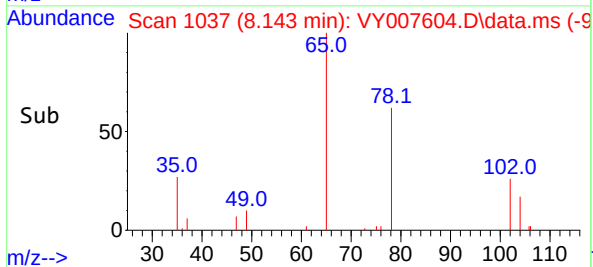
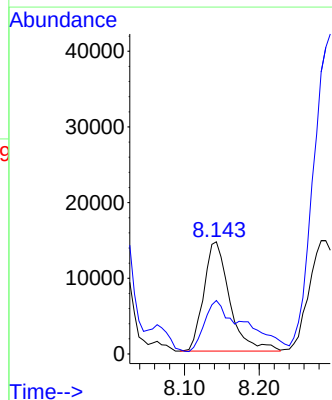
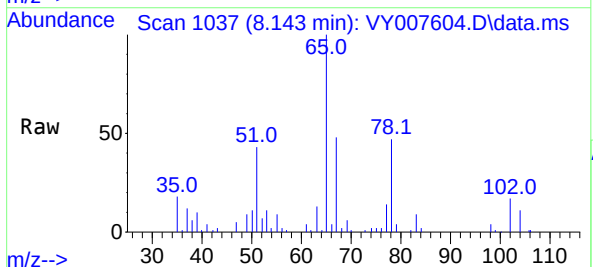
Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

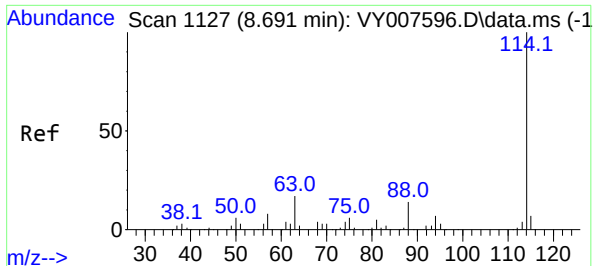
Tgt Ion: 56 Resp: 1017799
Ion Ratio Lower Upper
56 100
69 9.9 26.7 40.1#
84 45.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 74.953 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion: 65 Resp: 34803
Ion Ratio Lower Upper
65 100
67 74.9 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: VY007604.D

Acq: 23 Feb 2022 17:43

Instrument :

MSVOA_Y

ClientSampleId :

D13-7.5

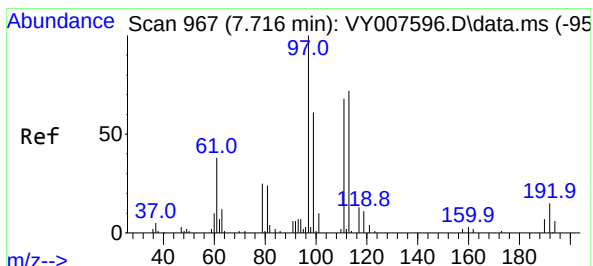
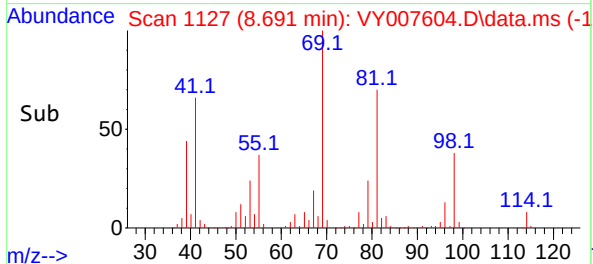
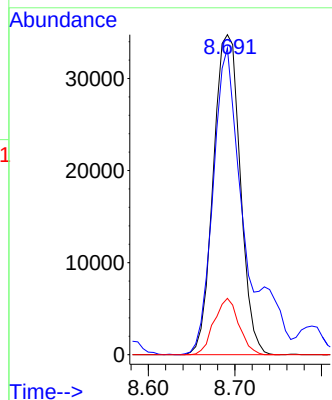
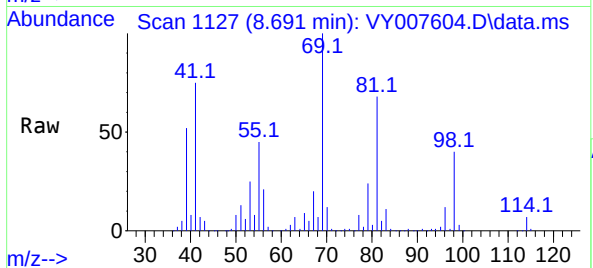
Tgt Ion:114 Resp: 74989

Ion Ratio Lower Upper

114 100

63 95.8 0.0 43.2#

88 17.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.108 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007604.D

Acq: 23 Feb 2022 17:43

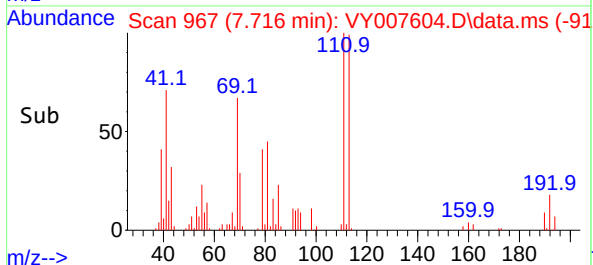
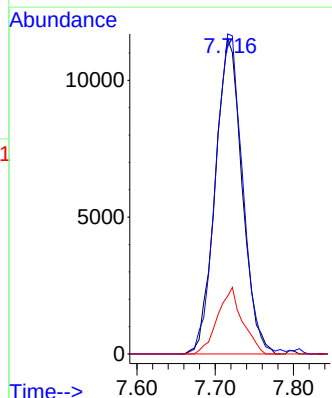
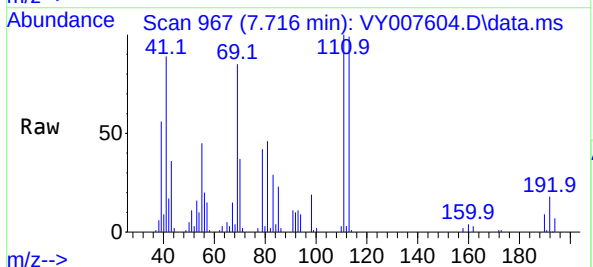
Tgt Ion:113 Resp: 27495

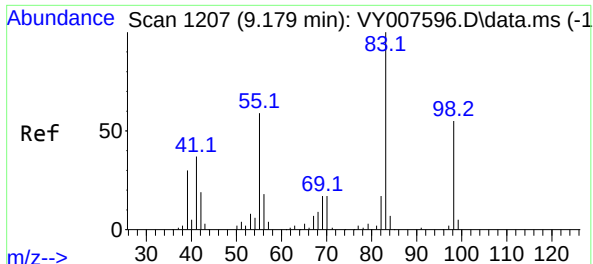
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.4 17.6 26.4





#39

Methylcyclohexane

Concen: 1772.464 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007604.D

Acq: 23 Feb 2022 17:43

Instrument :

MSVOA_Y

ClientSampleId :

D13-7.5

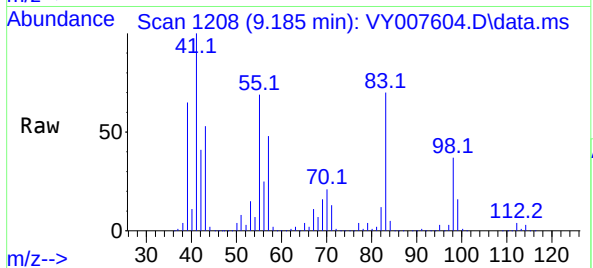
Tgt Ion: 83 Resp: 1327362

Ion Ratio Lower Upper

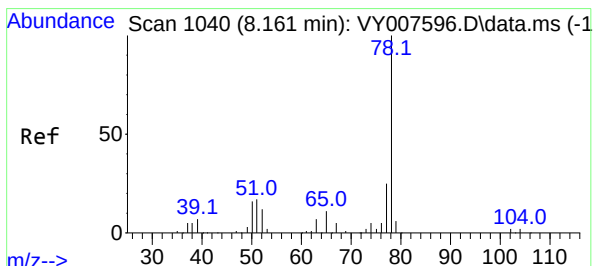
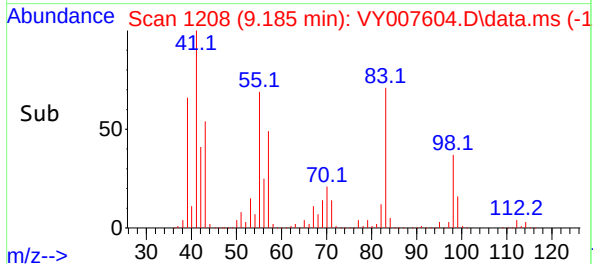
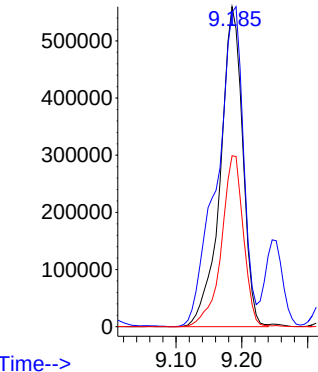
83 100

55 98.2 66.5 99.7

98 53.4 37.9 56.9



Abundance



#40

Benzene

Concen: 19.168 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY007604.D

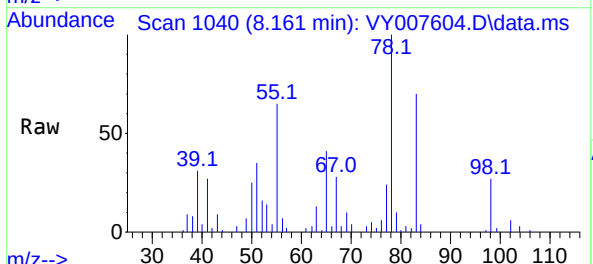
Acq: 23 Feb 2022 17:43

Tgt Ion: 78 Resp: 37290

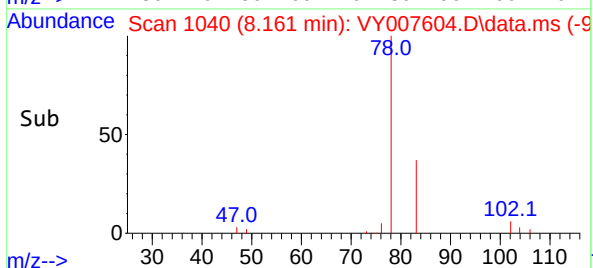
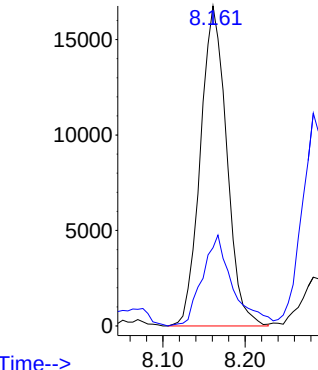
Ion Ratio Lower Upper

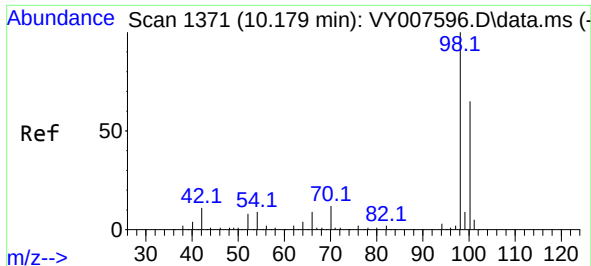
78 100

77 24.4 20.4 30.6



Abundance

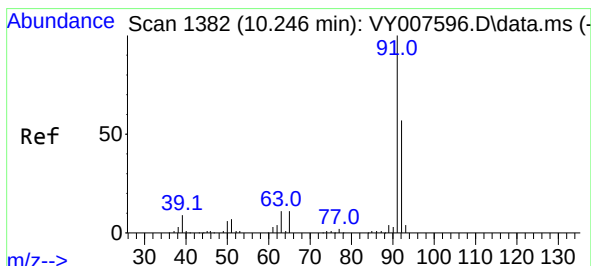
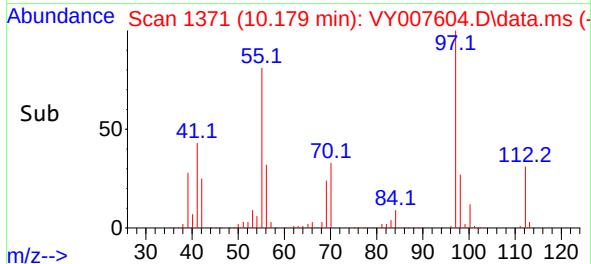
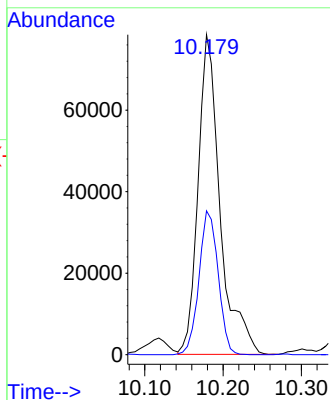
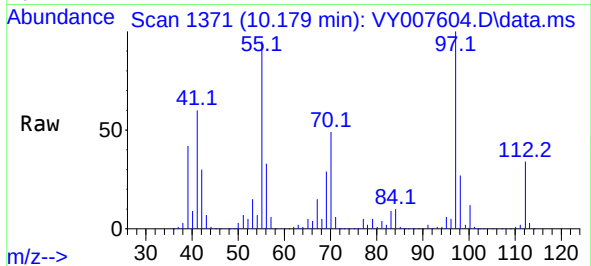




#50
Toluene-d8
Concen: 84.484 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

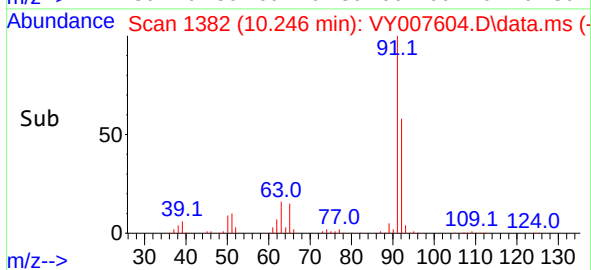
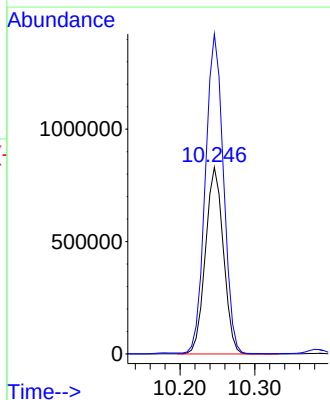
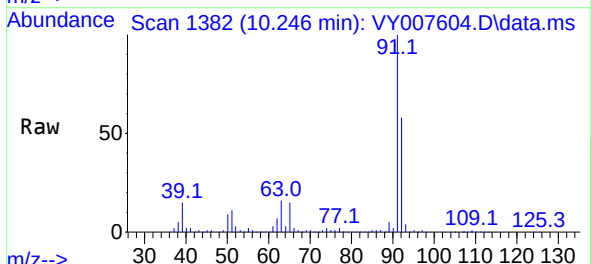
Instrument :
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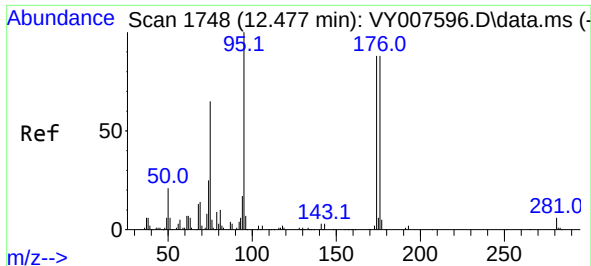
Tgt Ion: 98 Resp: 152844
Ion Ratio Lower Upper
98 100
100 39.2 50.2 75.2#



#52
Toluene
Concen: 1041.011 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion: 92 Resp: 1381392
Ion Ratio Lower Upper
92 100
91 173.1 142.6 213.8

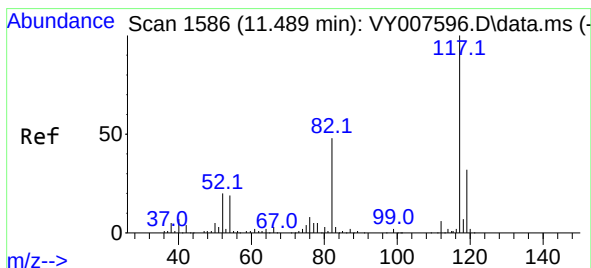
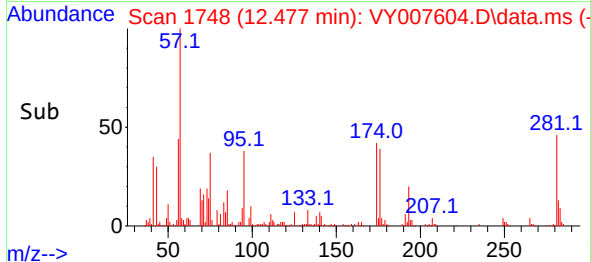
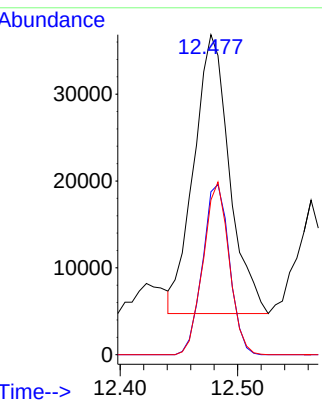
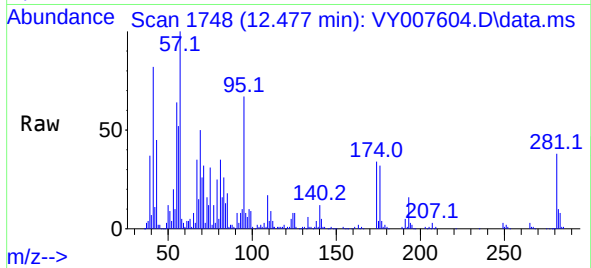




#62
4-Bromofluorobenzene
Concen: 112.971 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

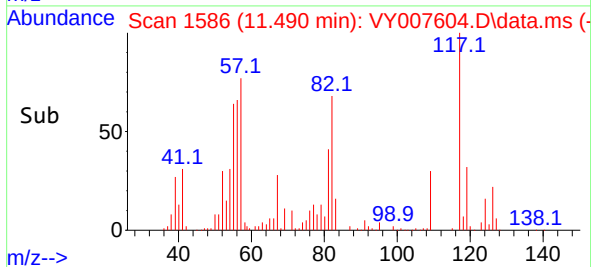
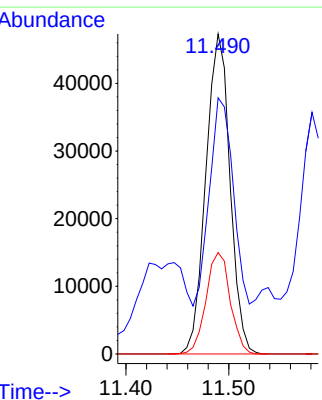
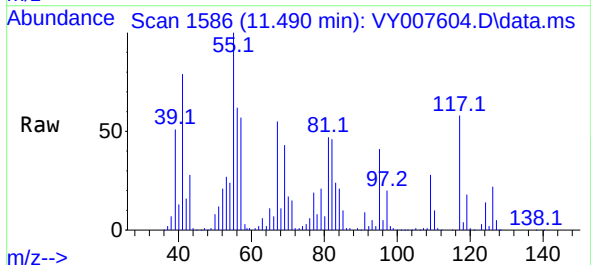
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MSVOA_Y
ClientSampleId :
D13-7.5

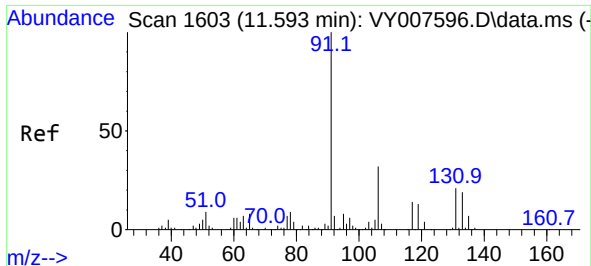
Tgt Ion: 95 Resp: 67591
Ion Ratio Lower Upper
95 100
174 46.1 0.0 177.0
176 45.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion: 117 Resp: 77056
Ion Ratio Lower Upper
117 100
82 59.3 43.0 64.4
119 31.7 25.4 38.0

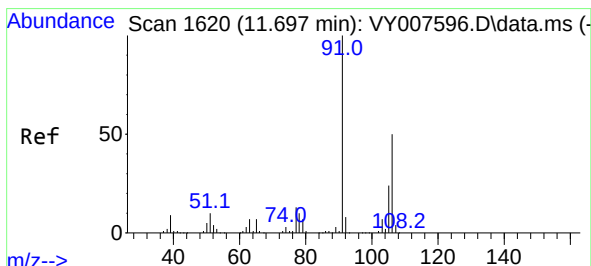
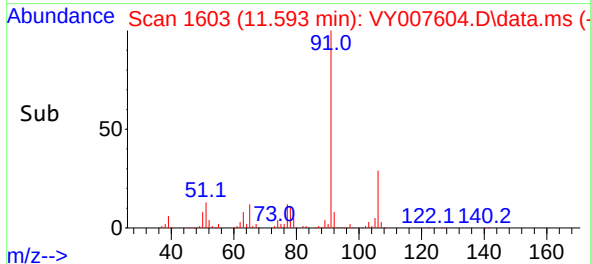
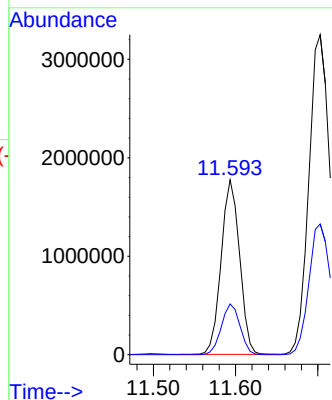
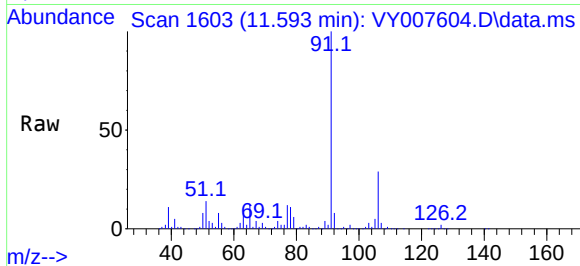




#67
Ethyl Benzene
Concen: 980.232 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

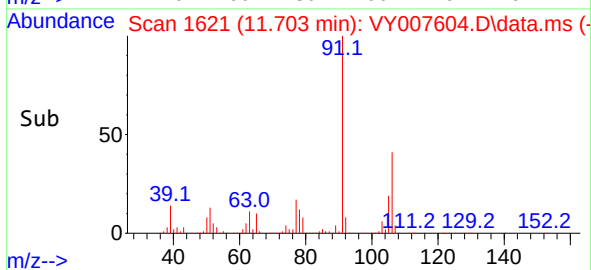
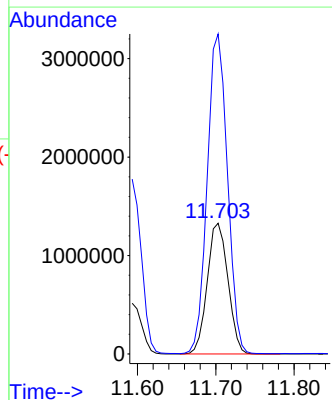
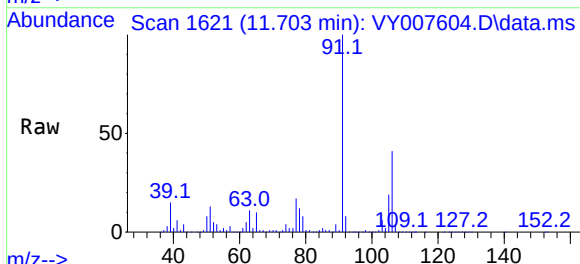
Instrument :
MSVOA_Y
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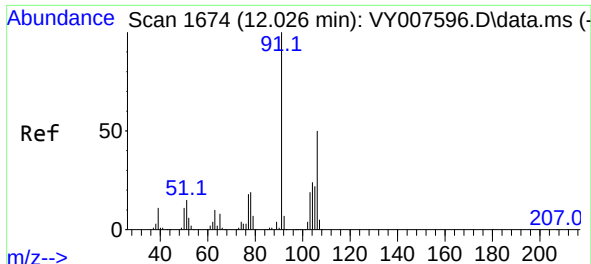
Tgt Ion: 91 Resp: 2761236
Ion Ratio Lower Upper
91 100
106 29.1 24.5 36.7



#68
m/p-Xylenes
Concen: 2208.174 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion:106 Resp: 2436022
Ion Ratio Lower Upper
106 100
91 238.7 166.6 249.8

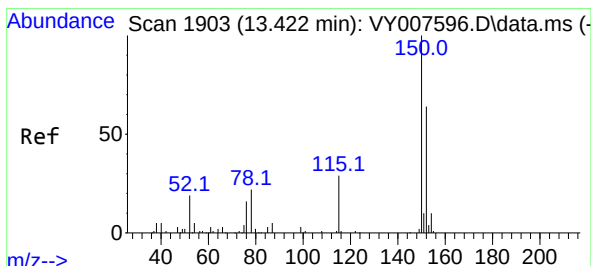
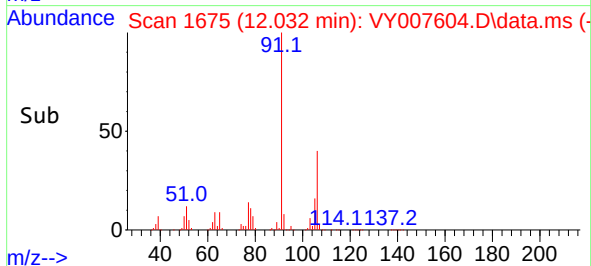
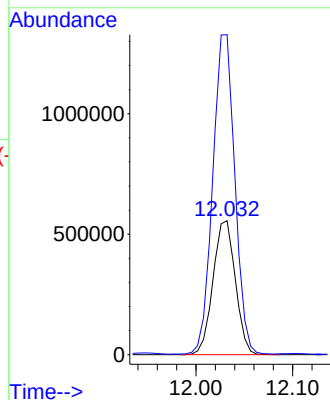
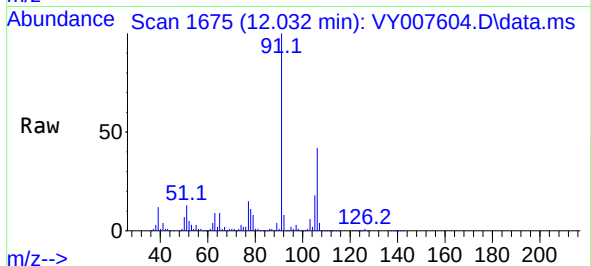




#69
o-Xylene
Concen: 821.048 ug/l
RT: 12.032 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

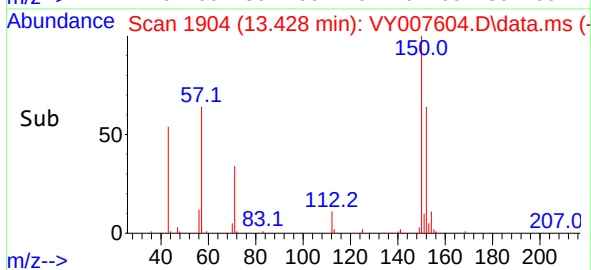
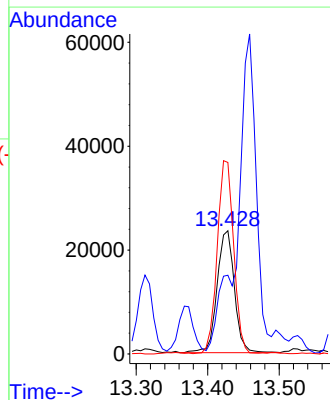
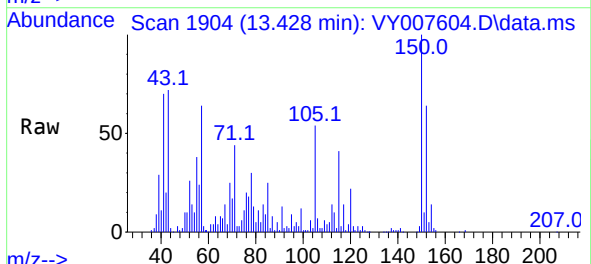
Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

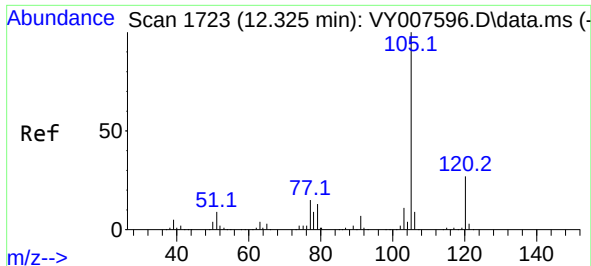
Tgt Ion:106 Resp: 890815
Ion Ratio Lower Upper
106 100
91 236.3 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion:152 Resp: 39346
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 150.6 0.0 347.6

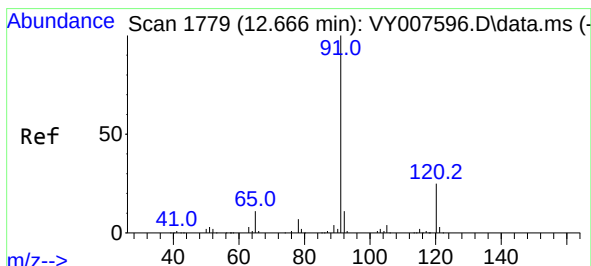
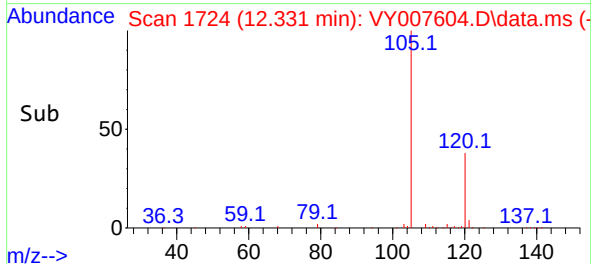
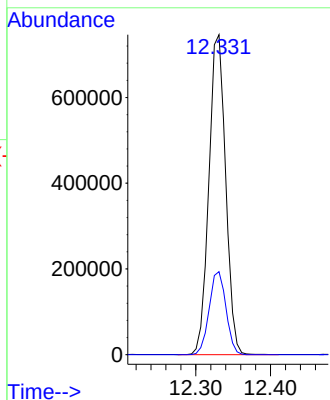
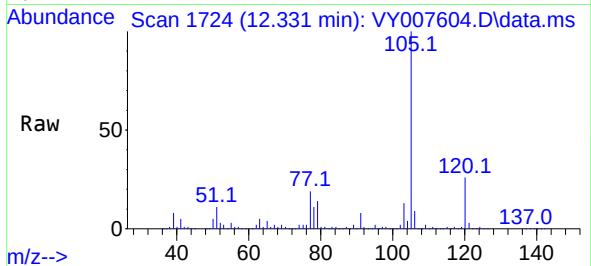




#73
Isopropylbenzene
Concen: 383.844 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

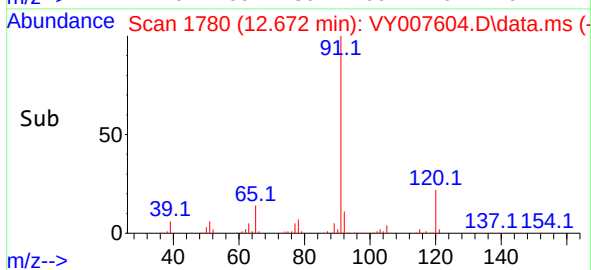
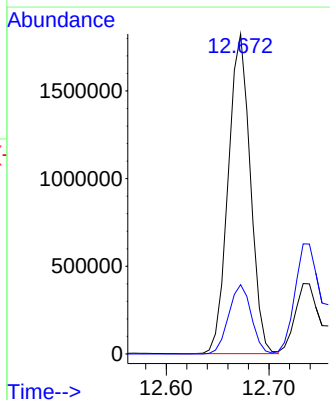
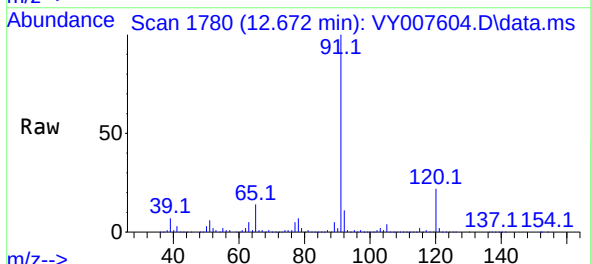
Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

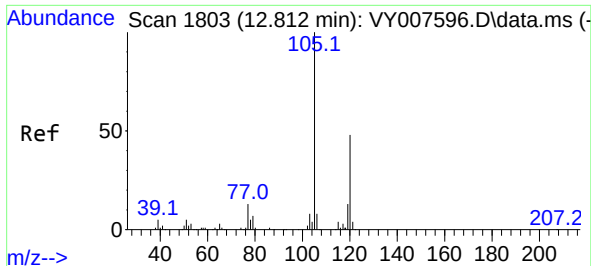
Tgt Ion:105 Resp: 1163338
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2



#78
n-propylbenzene
Concen: 777.066 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion: 91 Resp: 2719998
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.9

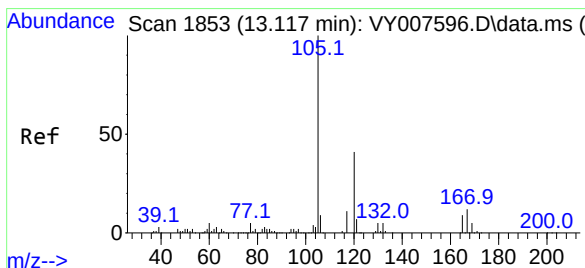
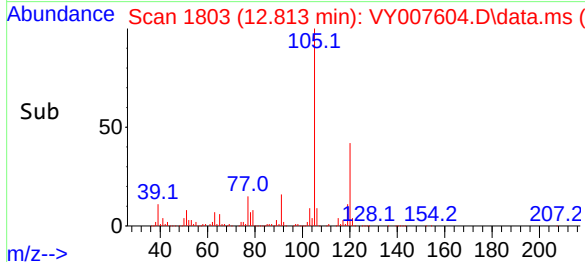
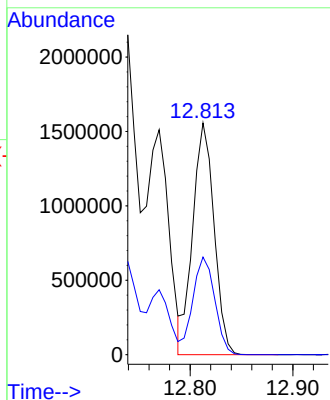
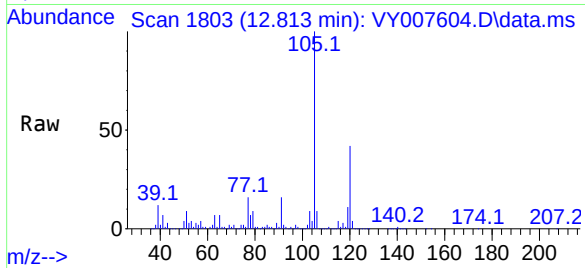




#80
1,3,5-Trimethylbenzene
Concen: 870.410 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

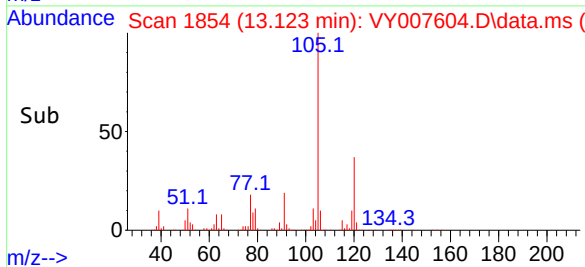
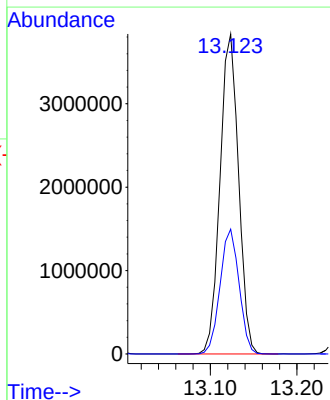
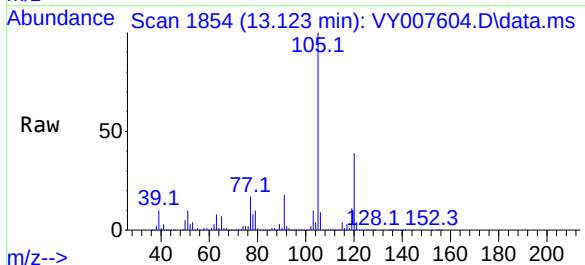
Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

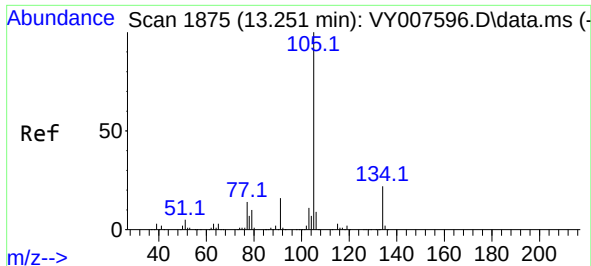
Tgt Ion:105 Resp: 2244141
Ion Ratio Lower Upper
105 100
120 43.6 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 2254.018 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion:105 Resp: 5696040
Ion Ratio Lower Upper
105 100
120 40.0 22.3 66.9

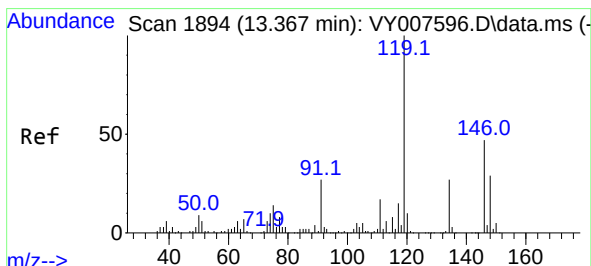
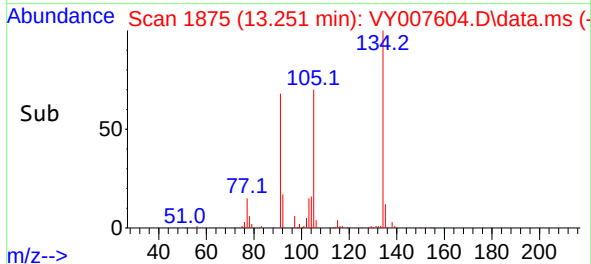
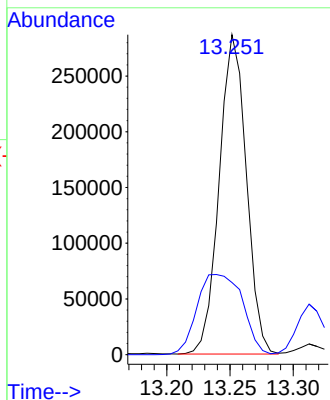
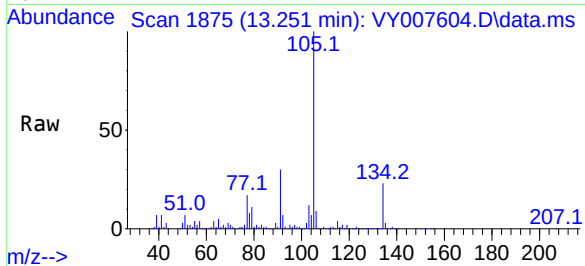




#85
sec-Butylbenzene
Concen: 131.263 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

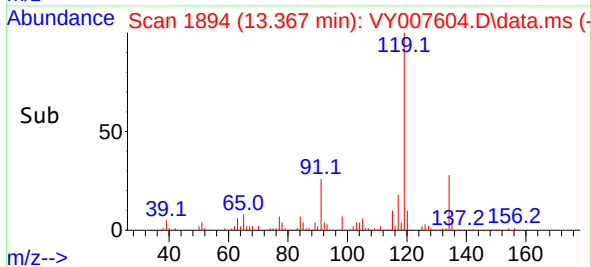
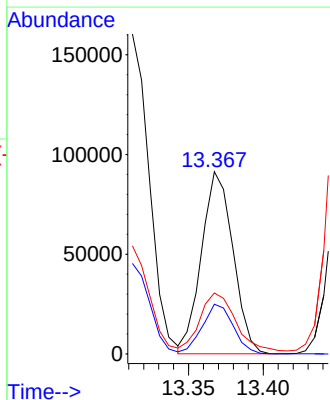
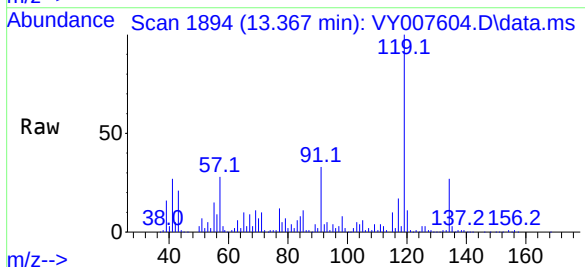
Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

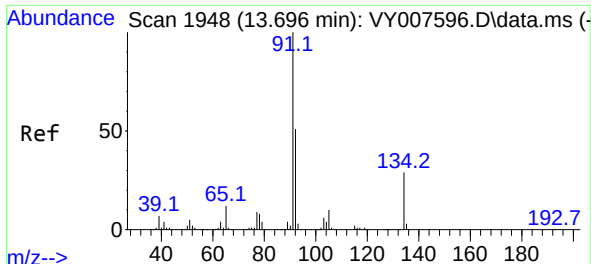
Tgt Ion:105 Resp: 427351
Ion Ratio Lower Upper
105 100
134 42.1 10.2 30.4#



#86
p-Isopropyltoluene
Concen: 47.897 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion:119 Resp: 134011
Ion Ratio Lower Upper
119 100
134 26.9 13.2 39.5
91 35.2 12.4 37.2

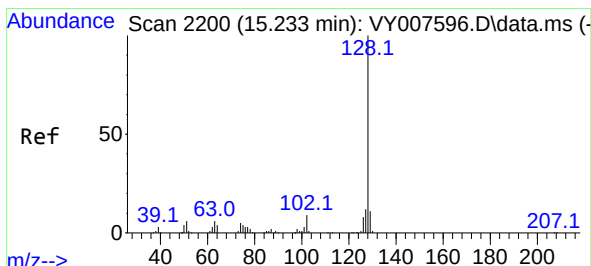
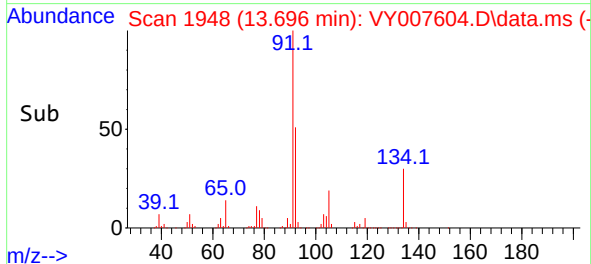
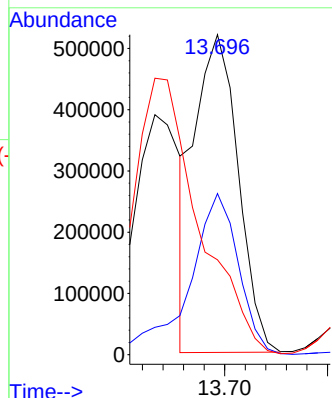
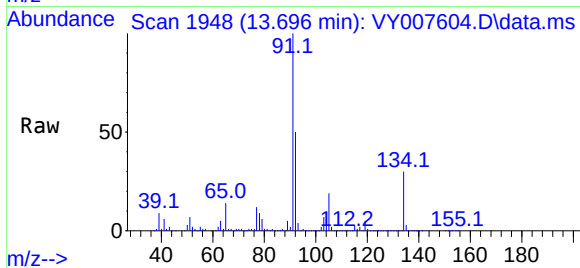




#89
n-Butylbenzene
Concen: 300.263 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Instrument :
MSVOA_Y
ClientSampleId :
D13-7.5

Tgt Ion: 91 Resp: 756399
Ion Ratio Lower Upper
91 100
92 57.5 26.3 78.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 429.409 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007604.D
Acq: 23 Feb 2022 17:43

Tgt Ion:128 Resp: 856806
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.2 8.4 12.6

