

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007553.D
 Acq On : 18 Feb 2022 18:25
 Operator : SY/MD
 Sample : N1600-06
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA7

Quant Time: Feb 19 04:36:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

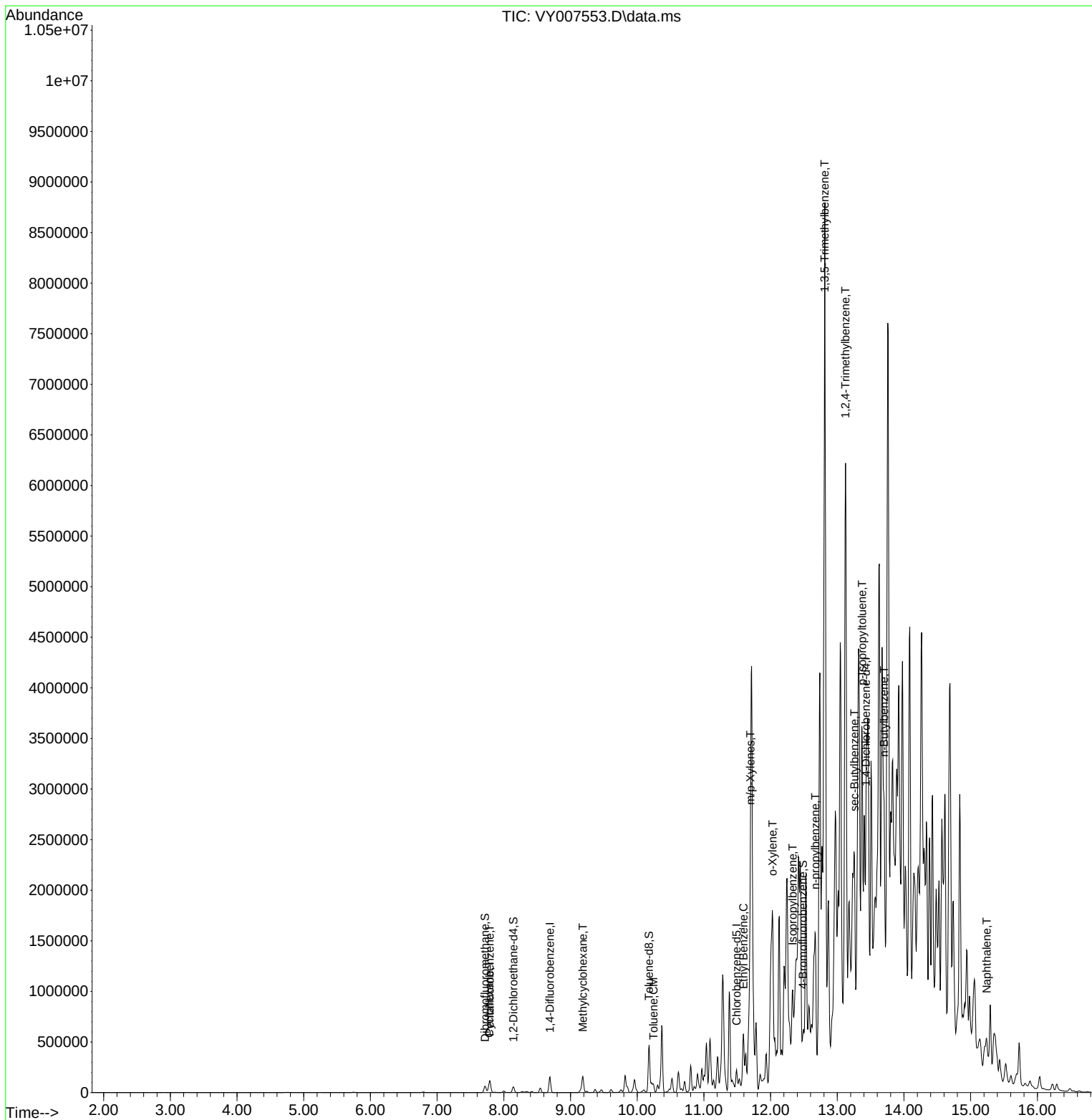
Internal Standards						
1) Pentafluorobenzene	7.789	168	74069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	129328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	103308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38594	50.000	ug/l	0.00

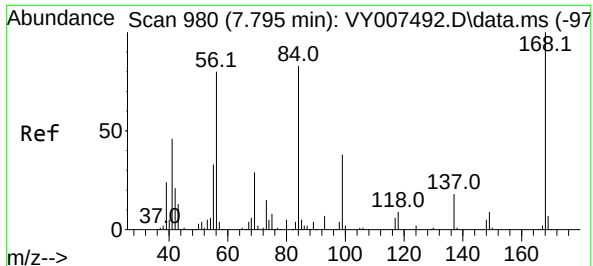
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46062	56.327	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.660%
35) Dibromofluoromethane	7.716	113	43548	53.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.800%
50) Toluene-d8	10.179	98	160540	51.826	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.660%
62) 4-Bromofluorobenzene	12.483	95	64279	61.198	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.400%

Target Compounds					Qvalue	
31) Cyclohexane	7.783	56	10469	7.239	ug/l	# 79
39) Methylcyclohexane	9.185	83	69502	40.513	ug/l	86
52) Toluene	10.246	92	31423	13.489	ug/l	98
67) Ethyl Benzene	11.593	91	309333	73.045	ug/l	99
68) m/p-Xylenes	11.697	106	407709	254.394	ug/l	99
69) o-Xylene	12.032	106	292451	192.849	ug/l	99
73) Isopropylbenzene	12.331	105	211390	61.825	ug/l	100
78) n-propylbenzene	12.672	91	766735	186.356	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	531046	187.507	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	2915296	1061.624	ug/l	95
85) sec-Butylbenzene	13.257	105	479532	131.420	ug/l	86
86) p-Isopropyltoluene	13.373	119	279757	93.081	ug/l	95
89) n-Butylbenzene	13.702	91	735614	257.376	ug/l	# 82
95) Naphthalene	15.239	128	204055	124.272	ug/l	97

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
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QLast Update : Tue Feb 15 09:34:50 2022
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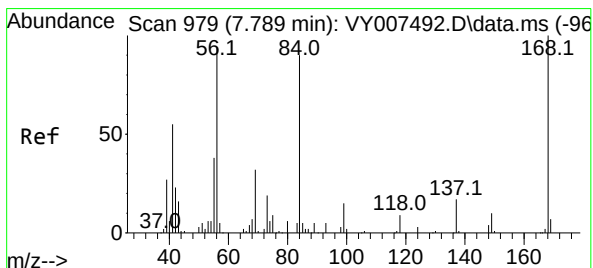
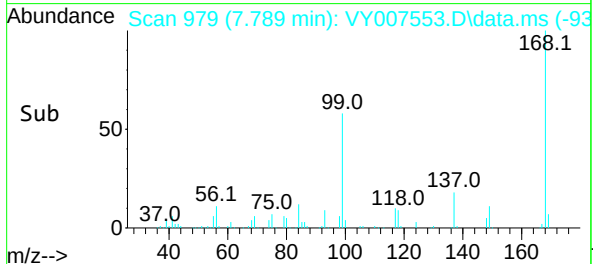
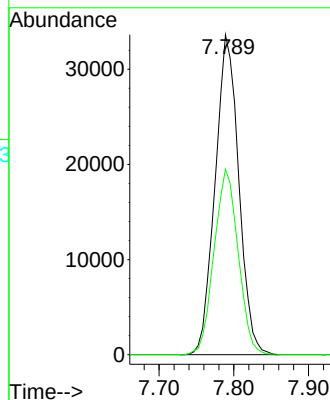
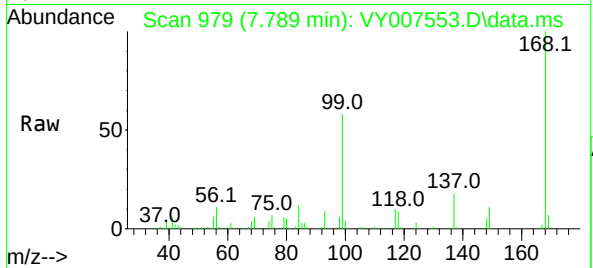




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

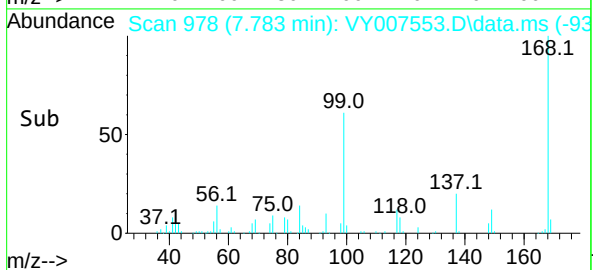
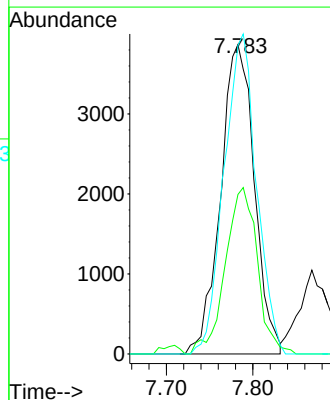
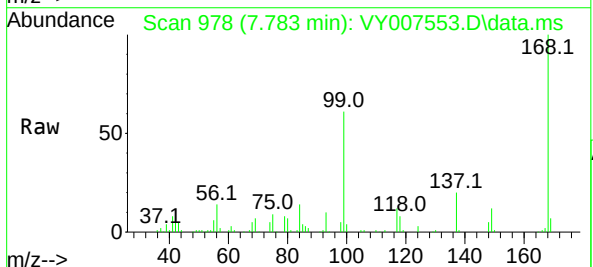
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

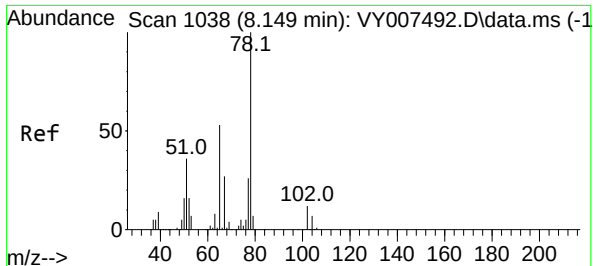
Tgt Ion:168 Resp: 74069
Ion Ratio Lower Upper
168 100
99 58.0 46.9 70.3



#31
Cyclohexane
Concen: 7.239 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion: 56 Resp: 10469
Ion Ratio Lower Upper
56 100
69 49.9 26.7 40.1#
84 99.7 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 56.327 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY007553.D

Acq: 18 Feb 2022 18:25

Instrument :

MSVOA_Y

ClientSampleId :

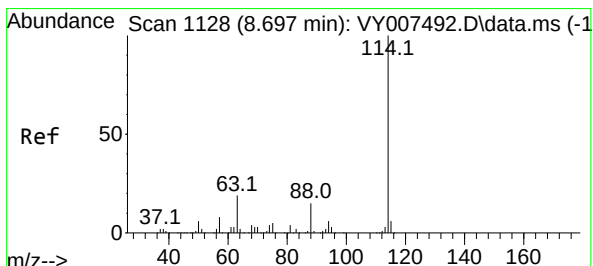
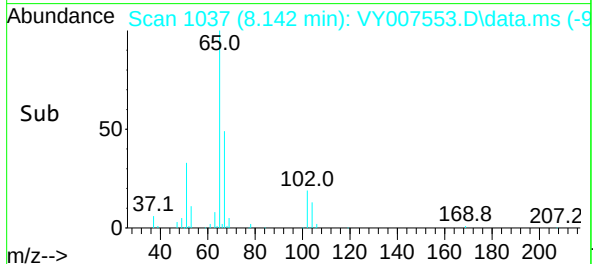
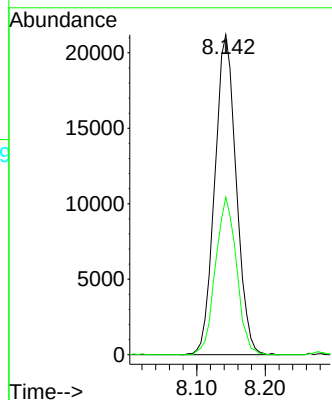
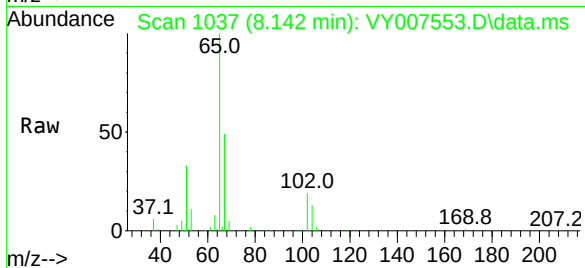
C0AA7

Tgt Ion: 65 Resp: 46062

Ion Ratio Lower Upper

65 100

67 48.4 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: VY007553.D

Acq: 18 Feb 2022 18:25

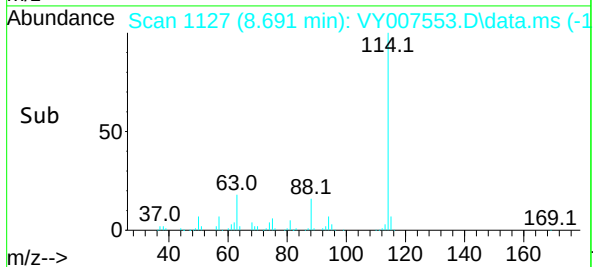
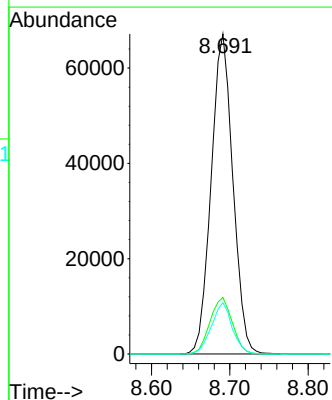
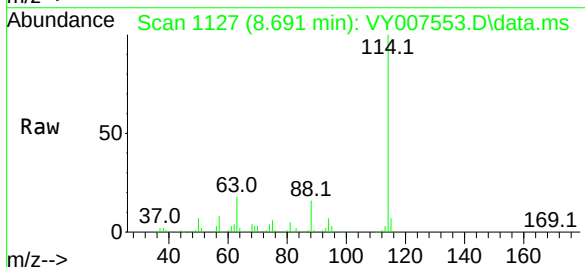
Tgt Ion: 114 Resp: 129328

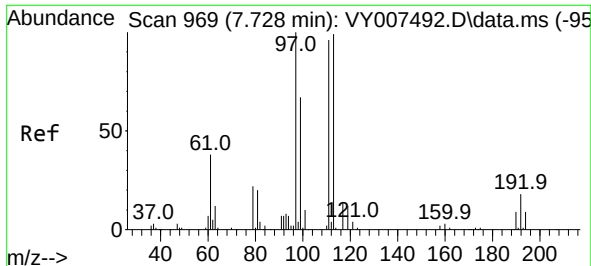
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 16.0 0.0 31.8

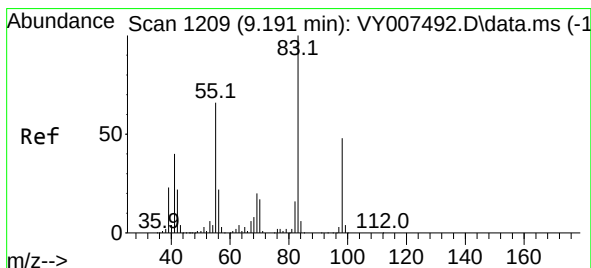
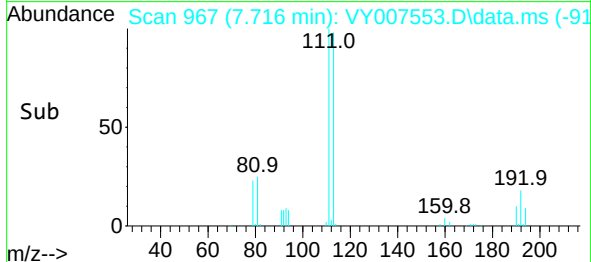
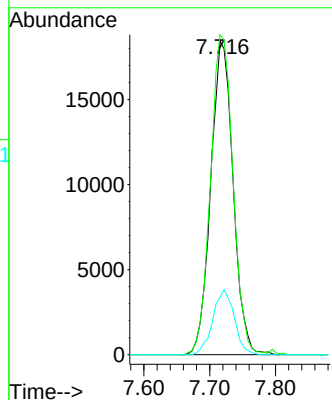
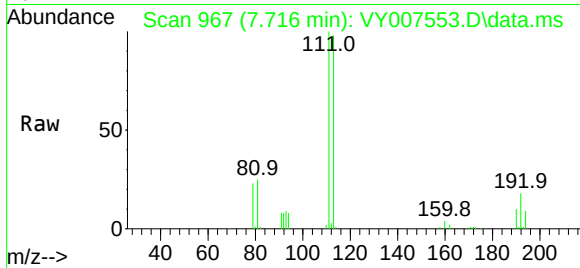




#35
Dibromofluoromethane
Concen: 53.395 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

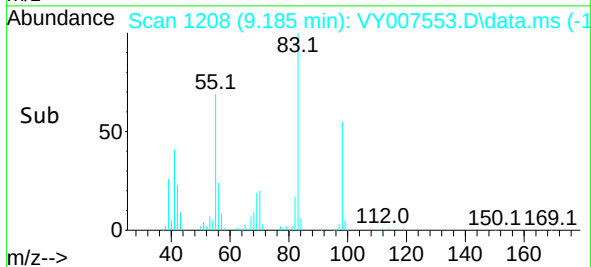
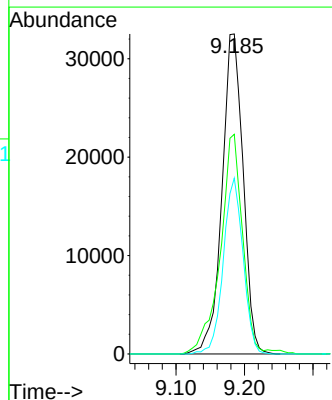
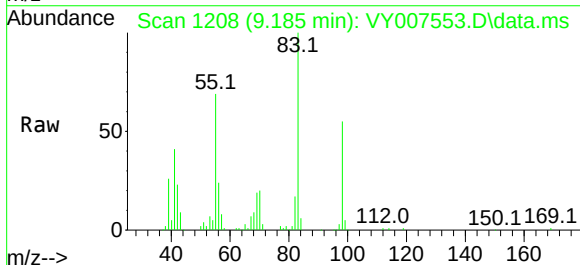
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

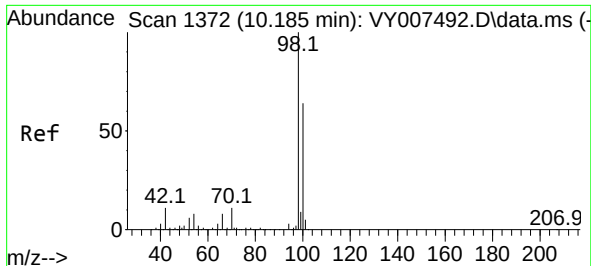
Tgt Ion:113 Resp: 43548
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.9 17.6 26.4



#39
Methylcyclohexane
Concen: 40.513 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion: 83 Resp: 69502
Ion Ratio Lower Upper
83 100
55 68.6 66.5 99.7
98 54.9 37.9 56.9

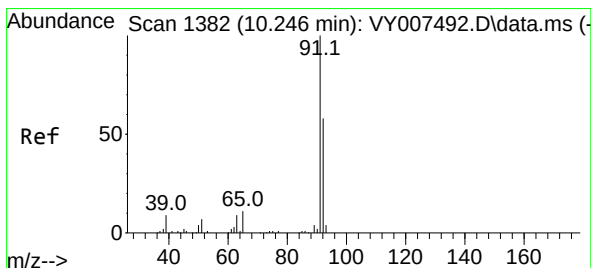
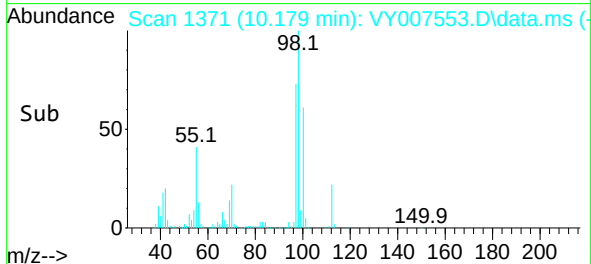
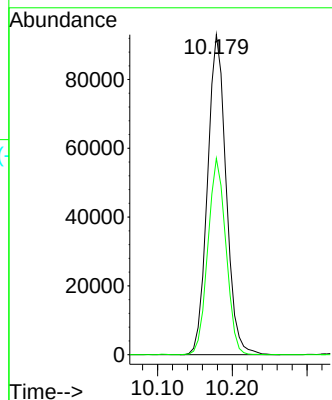
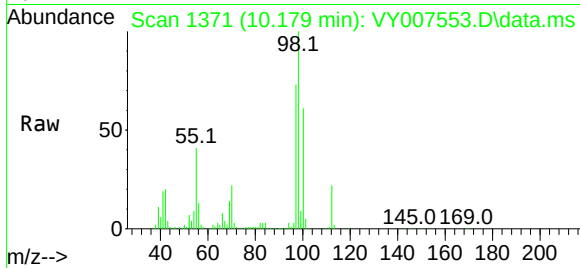




#50
Toluene-d8
Concen: 51.826 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

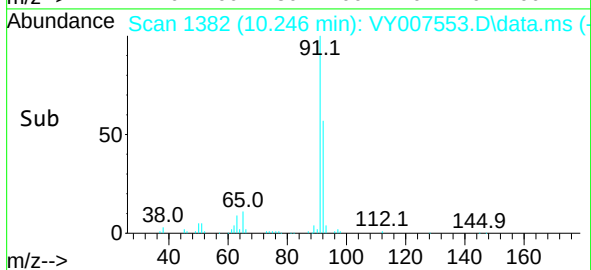
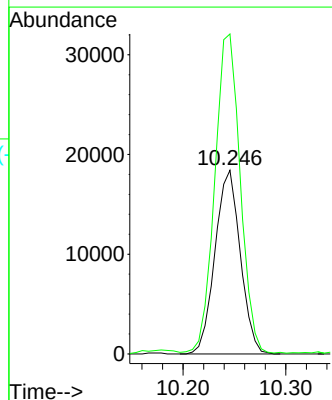
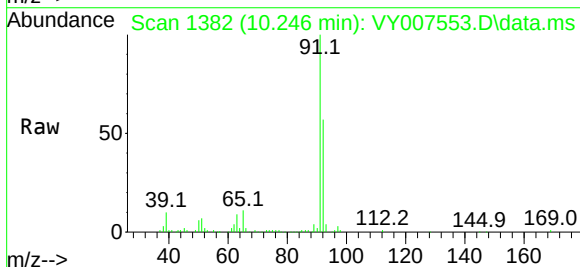
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

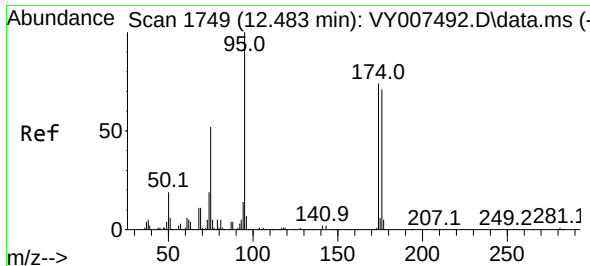
Tgt Ion: 98 Resp: 160540
Ion Ratio Lower Upper
98 100
100 59.4 50.2 75.2



#52
Toluene
Concen: 13.489 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion: 92 Resp: 31423
Ion Ratio Lower Upper
92 100
91 174.7 142.6 213.8





#62

4-Bromofluorobenzene

Concen: 61.198 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007553.D

Acq: 18 Feb 2022 18:25

Instrument :

MSVOA_Y

ClientSampleId :

C0AA7

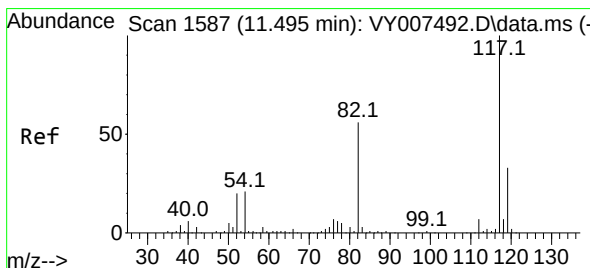
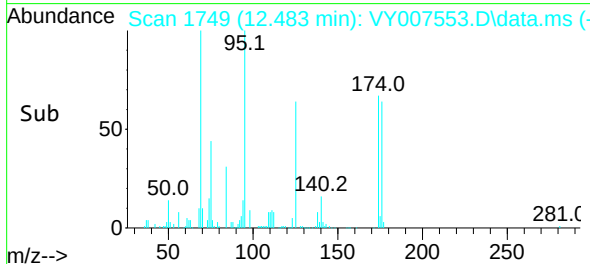
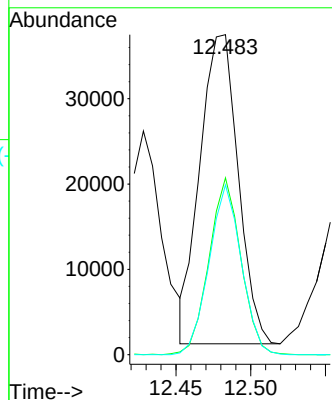
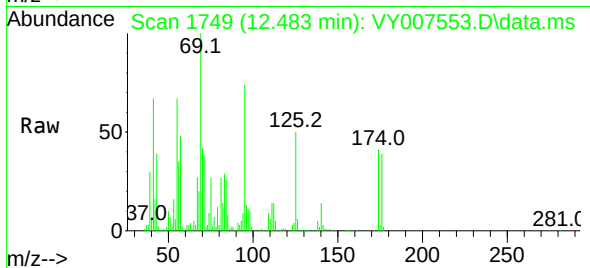
Tgt Ion: 95 Resp: 64279

Ion Ratio Lower Upper

95 100

174 47.9 0.0 177.0

176 46.4 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: VY007553.D

Acq: 18 Feb 2022 18:25

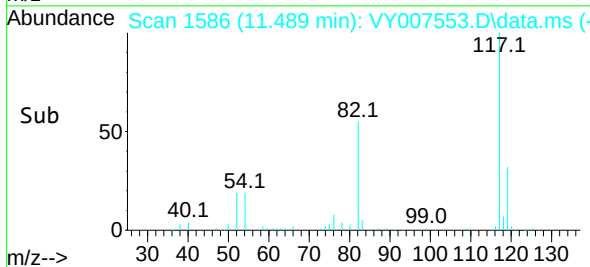
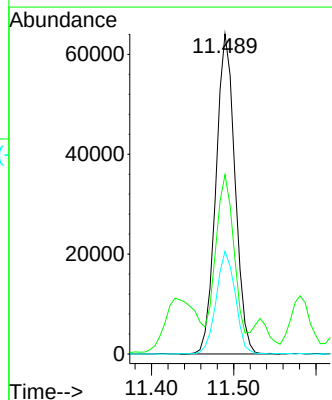
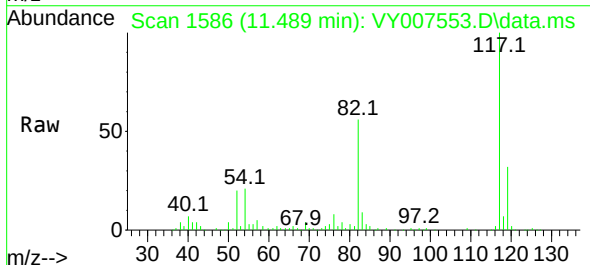
Tgt Ion: 117 Resp: 103308

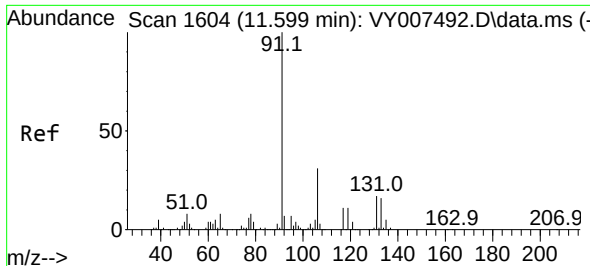
Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.4

119 31.9 25.4 38.0





#67

Ethyl Benzene

Concen: 73.045 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007553.D

Acq: 18 Feb 2022 18:25

Instrument :

MSVOA_Y

ClientSampleId :

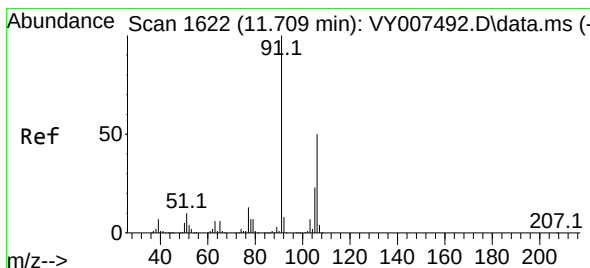
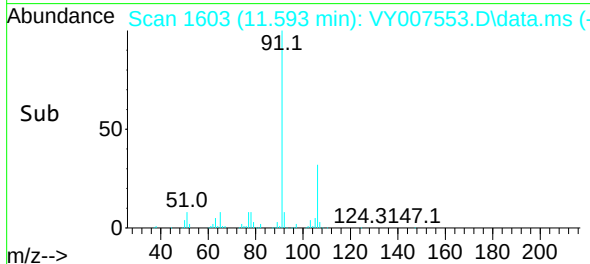
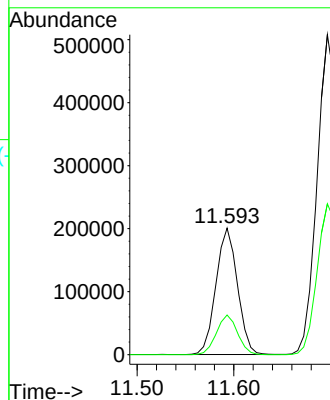
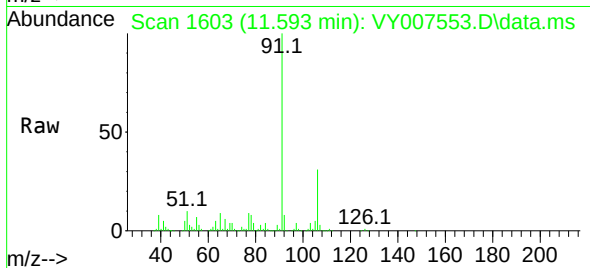
C0AA7

Tgt Ion: 91 Resp: 309333

Ion Ratio Lower Upper

91 100

106 31.4 24.5 36.7



#68

m/p-Xylenes

Concen: 254.394 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY007553.D

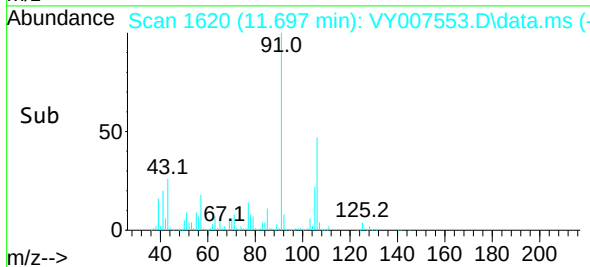
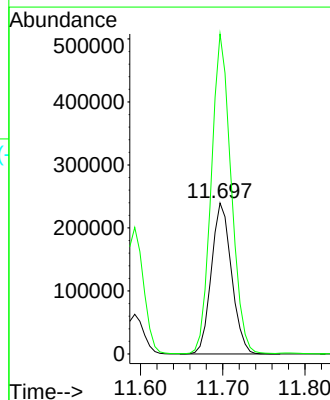
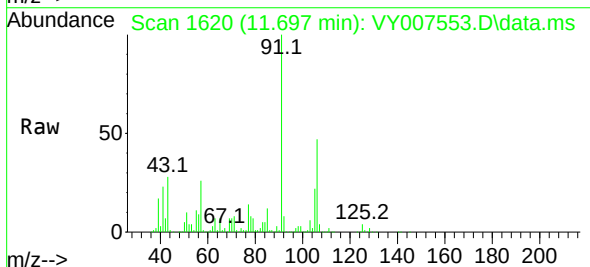
Acq: 18 Feb 2022 18:25

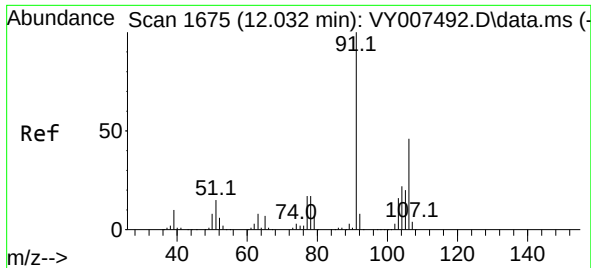
Tgt Ion:106 Resp: 407709

Ion Ratio Lower Upper

106 100

91 209.5 166.6 249.8

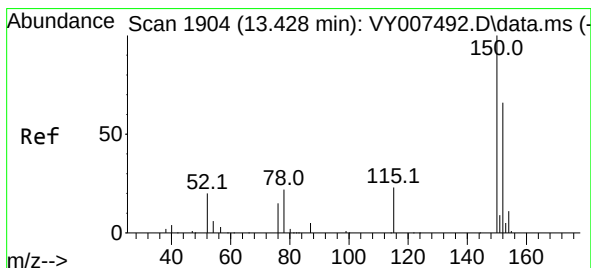
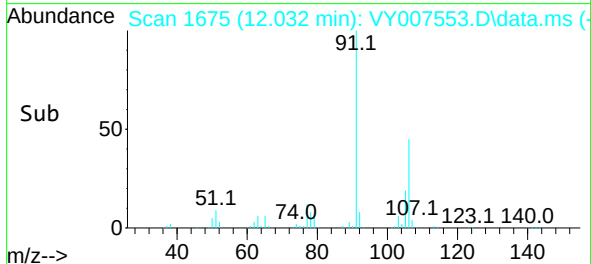
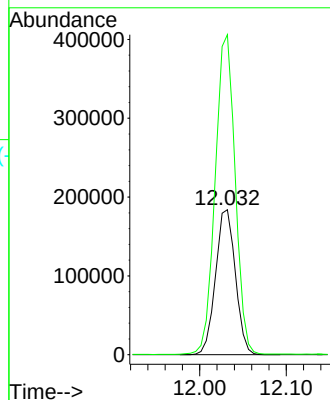
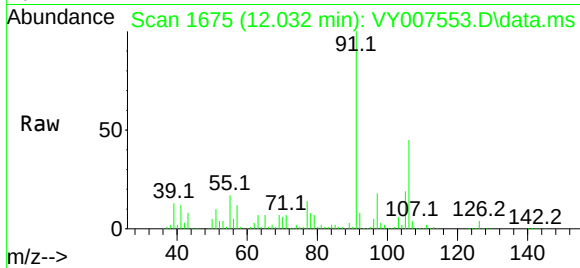




#69
o-Xylene
Concen: 192.849 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

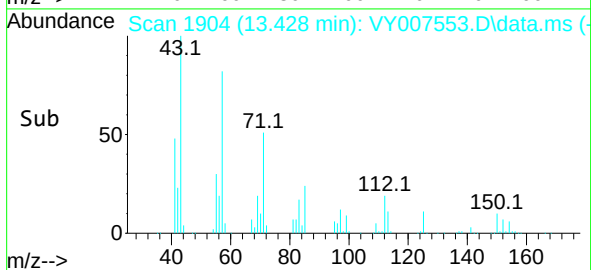
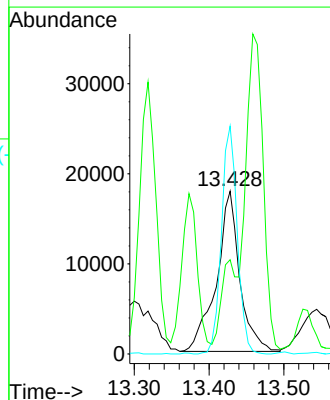
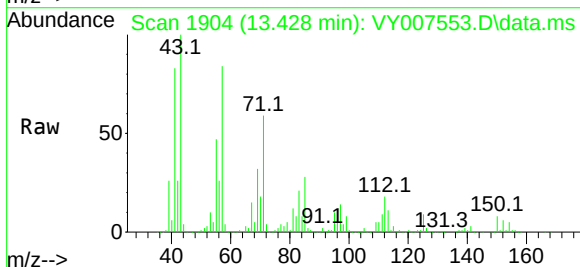
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

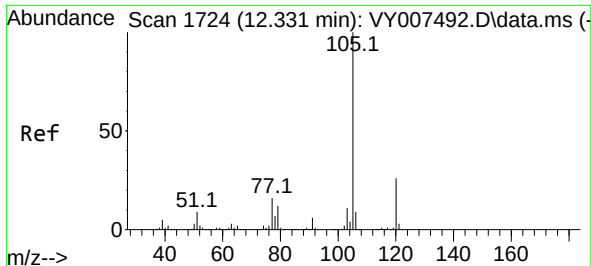
Tgt Ion:106 Resp: 292451
Ion Ratio Lower Upper
106 100
91 222.2 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion:152 Resp: 38594
Ion Ratio Lower Upper
152 100
115 37.4 28.2 84.7
150 96.5 0.0 347.6

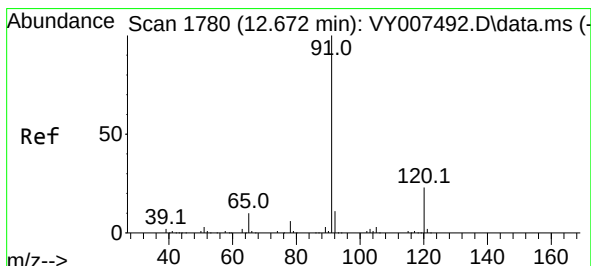
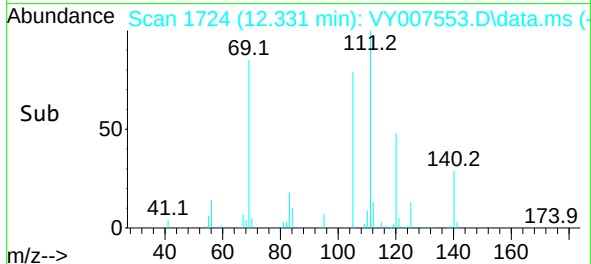
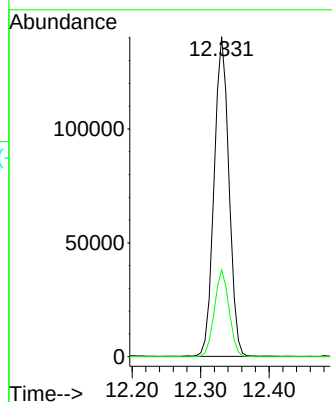
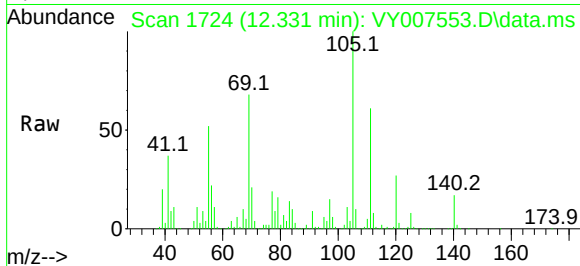




#73
Isopropylbenzene
Concen: 61.825 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

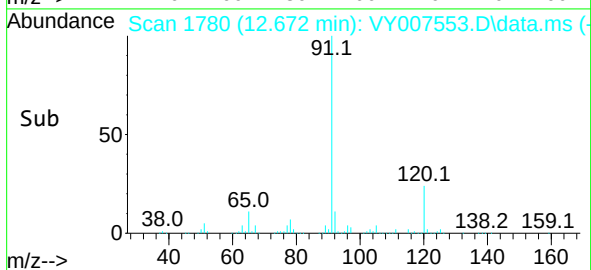
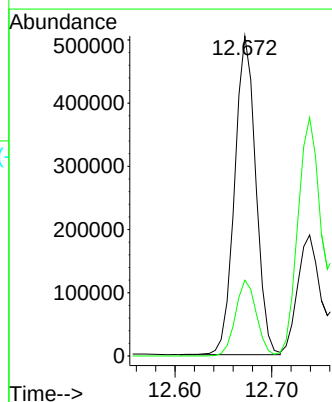
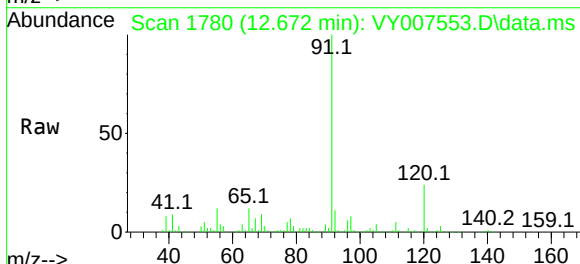
Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

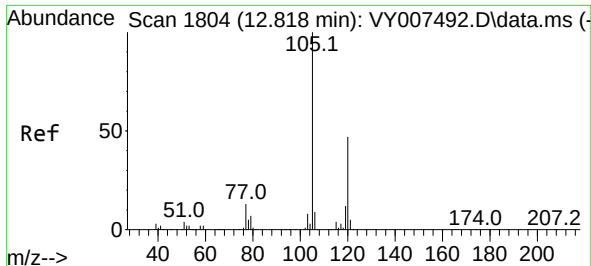
Tgt Ion:105 Resp: 211390
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2



#78
n-propylbenzene
Concen: 186.356 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion: 91 Resp: 766735
Ion Ratio Lower Upper
91 100
120 23.5 11.3 33.9

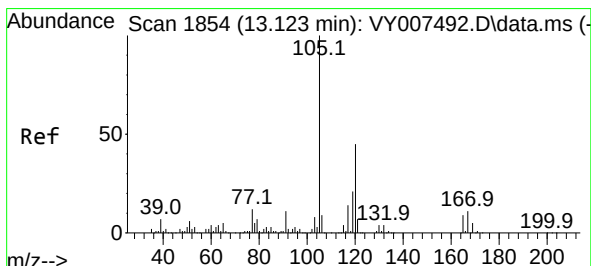
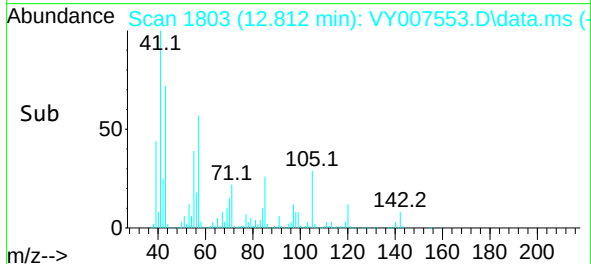
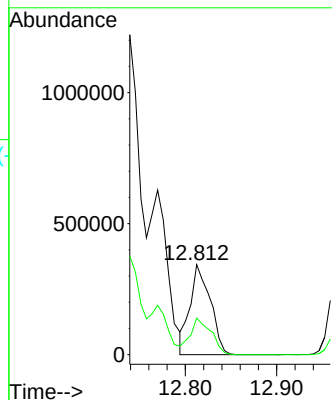
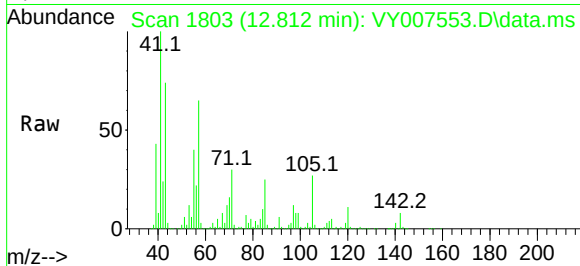




#80
1,3,5-Trimethylbenzene
Concen: 187.507 ug/l
RT: 12.812 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

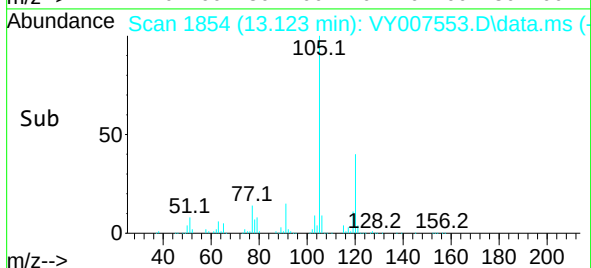
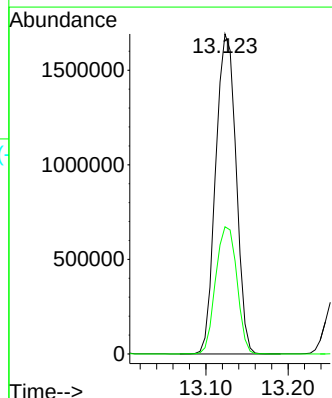
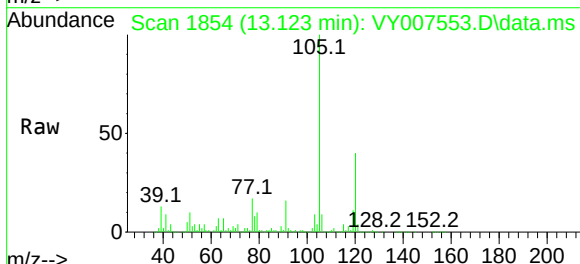
Instrument :
MSVOA_Y
ClientSampleId :
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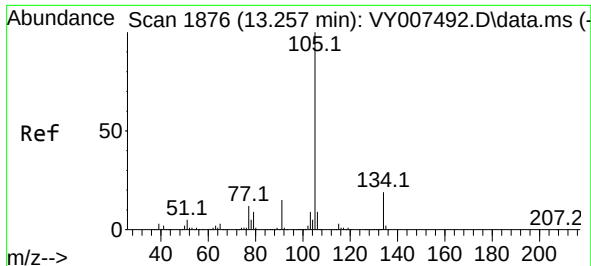
Tgt Ion:105 Resp: 531046
Ion Ratio Lower Upper
105 100
120 42.0 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 1061.624 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion:105 Resp: 2915296
Ion Ratio Lower Upper
105 100
120 41.4 22.3 66.9

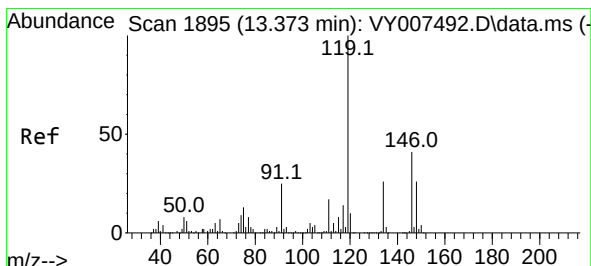
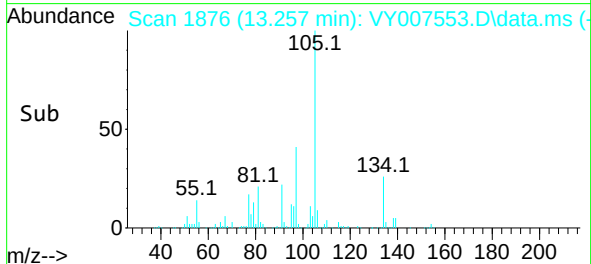
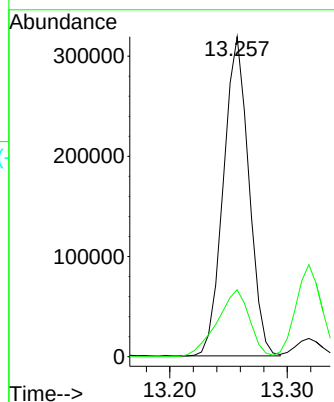
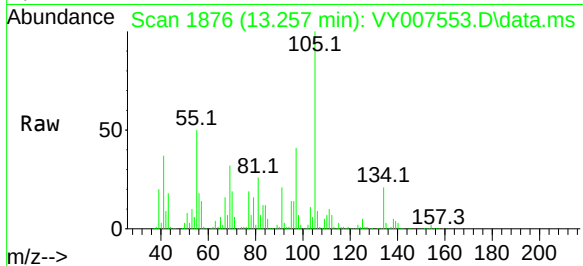




#85
 sec-Butylbenzene
 Concen: 131.420 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY007553.D
 Acq: 18 Feb 2022 18:25

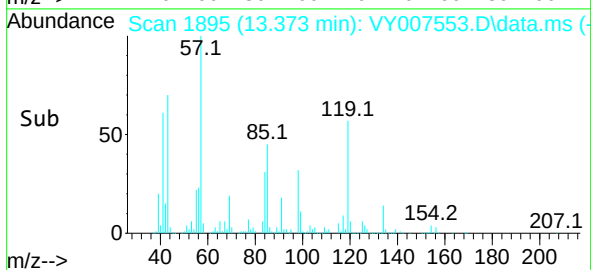
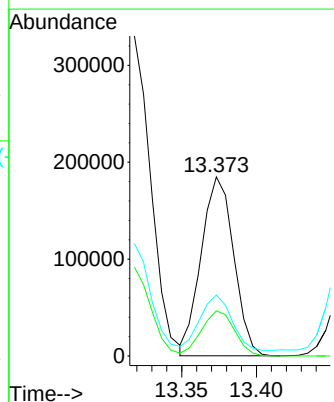
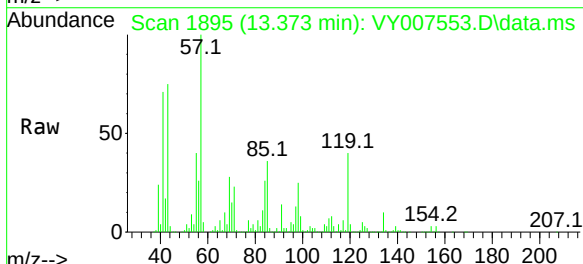
Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA7

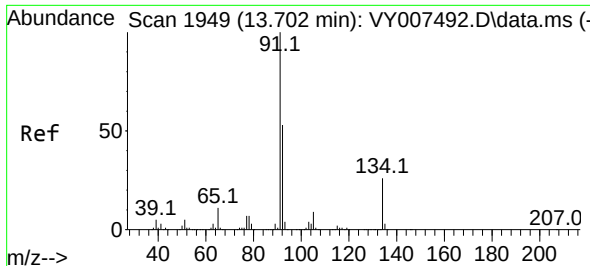
Tgt Ion:105 Resp: 479532
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 93.081 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY007553.D
 Acq: 18 Feb 2022 18:25

Tgt Ion:119 Resp: 279757
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 29.6 12.4 37.2

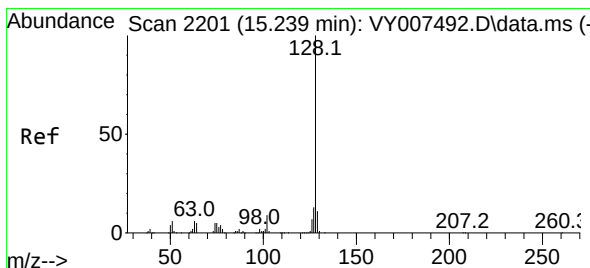
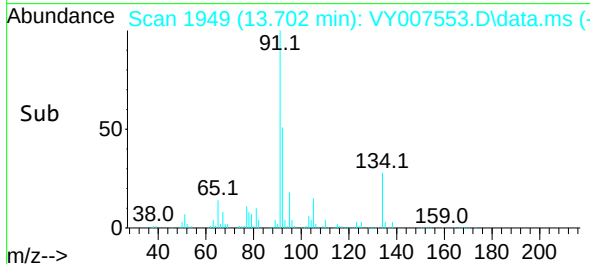
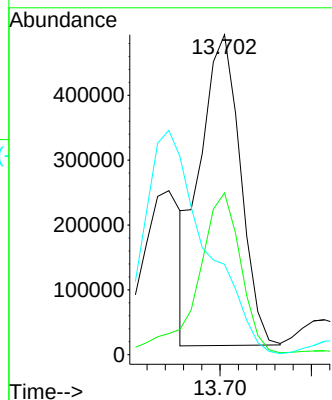
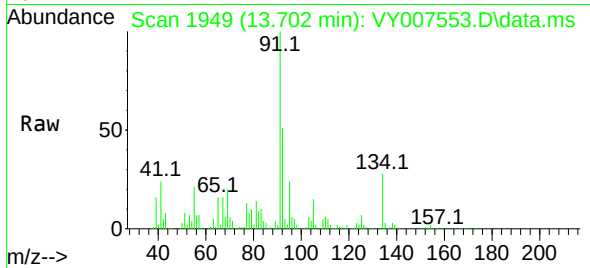




#89
n-Butylbenzene
Concen: 257.376 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Instrument :
MSVOA_Y
ClientSampleId :
C0AA7

Tgt Ion: 91 Resp: 735614
Ion Ratio Lower Upper
91 100
92 53.8 26.3 78.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 124.272 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007553.D
Acq: 18 Feb 2022 18:25

Tgt Ion: 128 Resp: 204055
Ion Ratio Lower Upper
128 100
127 14.2 11.0 16.4
129 12.6 8.4 12.6

