

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
 Data File : VY006783.D
 Acq On : 17 Nov 2021 13:09
 Operator : SY/MD
 Sample : M4693-01
 Misc : 576G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UT-COMP-01

Quant Time: Nov 18 03:01:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	96923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	166873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	149278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	52943	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	76171	59.963	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.920%	
35) Dibromofluoromethane	7.728	113	52161	50.889	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.780%	
50) Toluene-d8	10.185	98	221128	52.133	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.260%	
62) 4-Bromofluorobenzene	12.483	95	64814	45.327	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.660%	

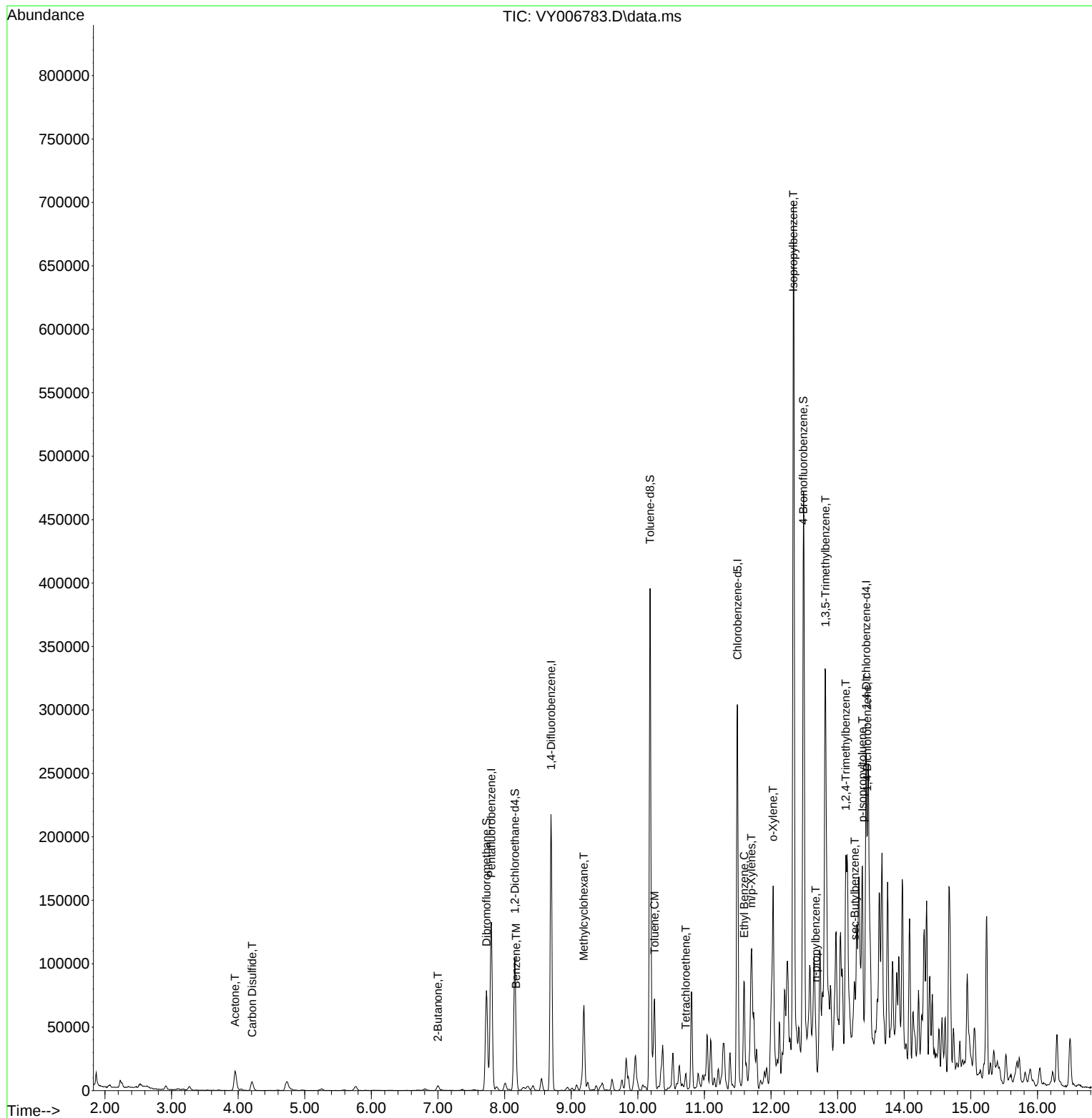
Target Compounds					Qvalue	
16) Acetone	3.954	43	25979	67.312	ug/l	98
17) Carbon Disulfide	4.210	76	13505	4.077	ug/l	97
25) 2-Butanone	6.996	43	5524	20.891	ug/l	94
39) Methylcyclohexane	9.191	83	24240	10.958	ug/l	94
40) Benzene	8.173	78	14502	2.840	ug/l	100
52) Toluene	10.252	92	28322	9.134	ug/l	97
64) Tetrachloroethene	10.721	164	1195	1.095	ug/l	92
67) Ethyl Benzene	11.599	91	51715	8.983	ug/l	97
68) m/p-Xylenes	11.703	106	25375	11.566	ug/l	100
69) o-Xylene	12.032	106	31201	15.012	ug/l	100
73) Isopropylbenzene	12.337	105	44104	10.939	ug/l	76
78) n-propylbenzene	12.672	91	18270	3.717	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	86869	26.289	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	73319	22.224	ug/l	97
85) sec-Butylbenzene	13.258	105	16077	3.762	ug/l #	76
86) p-Isopropyltoluene	13.373	119	71528	19.770	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	13420	7.437	ug/l	88

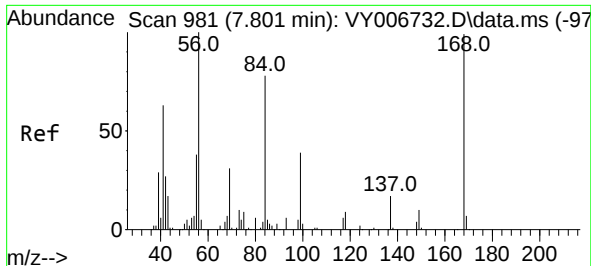
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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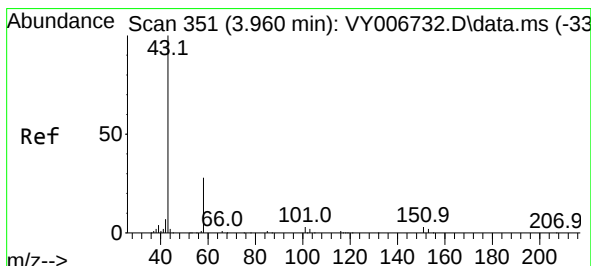
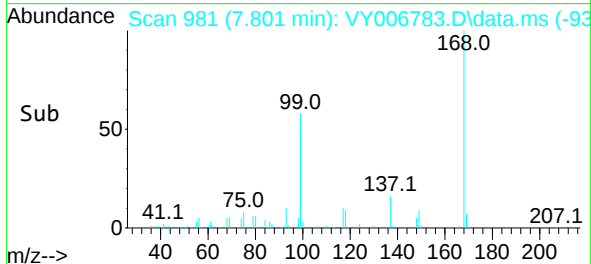
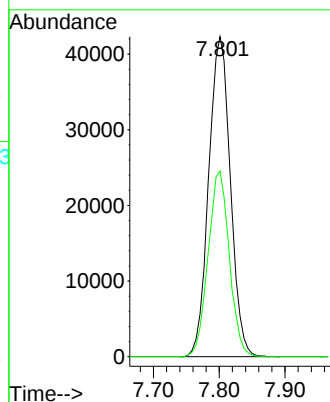
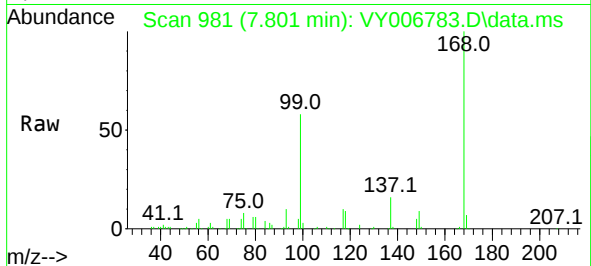




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

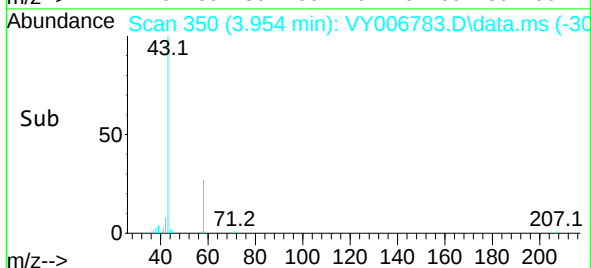
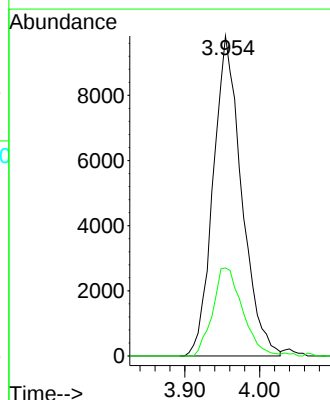
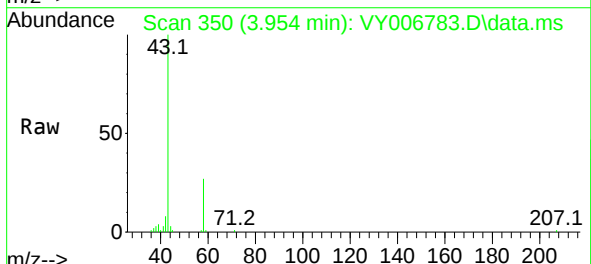
Instrument :
MSVOA_Y
ClientSampleId :
UT-COMP-01

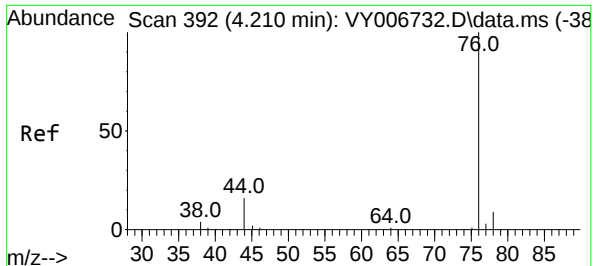
Tgt Ion:168 Resp: 96923
Ion Ratio Lower Upper
168 100
99 58.0 44.8 67.2



#16
Acetone
Concen: 67.312 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion: 43 Resp: 25979
Ion Ratio Lower Upper
43 100
58 27.5 22.9 34.3

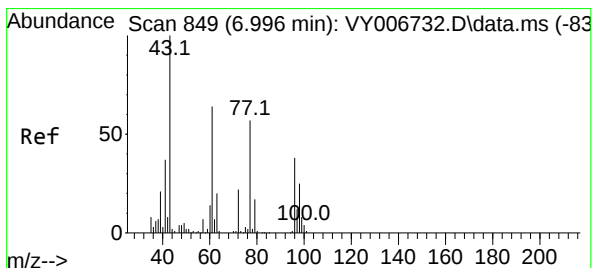
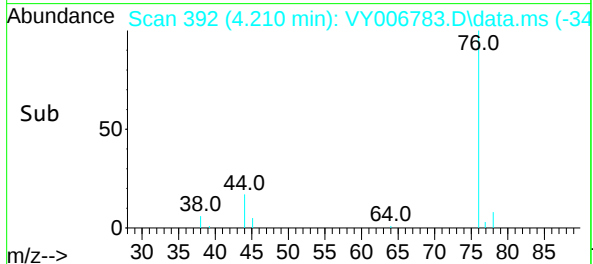
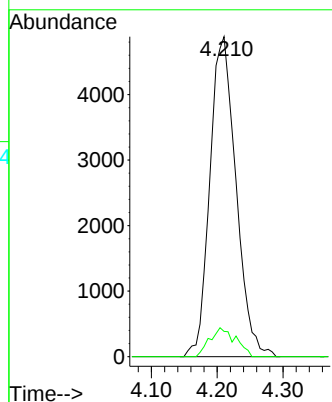
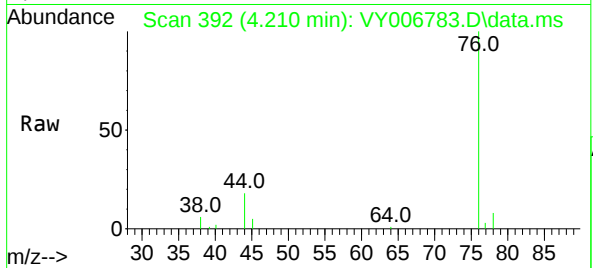




#17
Carbon Disulfide
Concen: 4.077 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

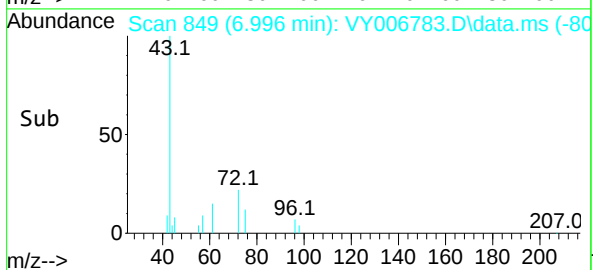
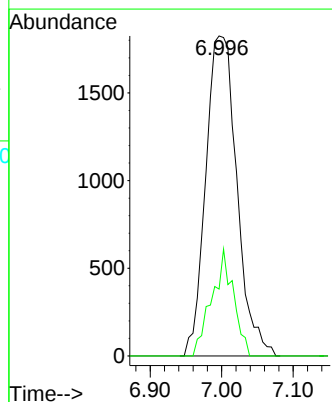
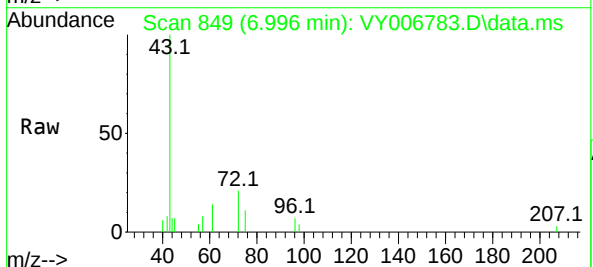
Instrument :
MSVOA_Y
ClientSampleId :
UT-COMP-01

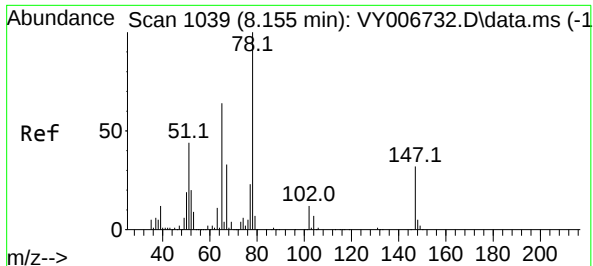
Tgt Ion: 76 Resp: 13505
Ion Ratio Lower Upper
76 100
78 7.9 7.1 10.7



#25
2-Butanone
Concen: 20.891 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion: 43 Resp: 5524
Ion Ratio Lower Upper
43 100
72 20.9 18.9 28.3





#33

1,2-Dichloroethane-d4

Concen: 59.963 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

Instrument :

MSVOA_Y

ClientSampleId :

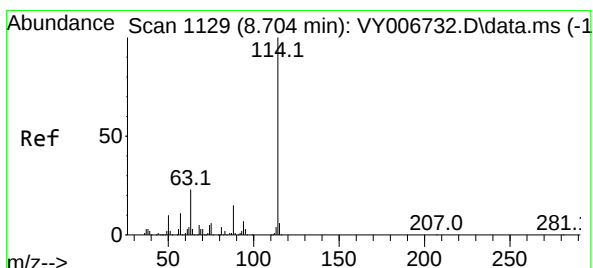
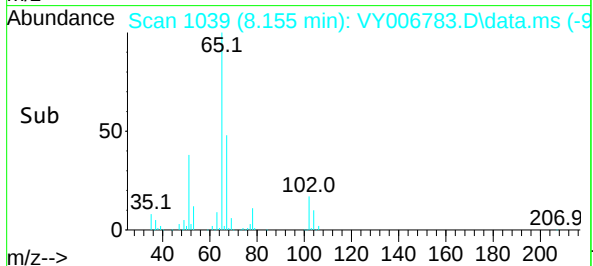
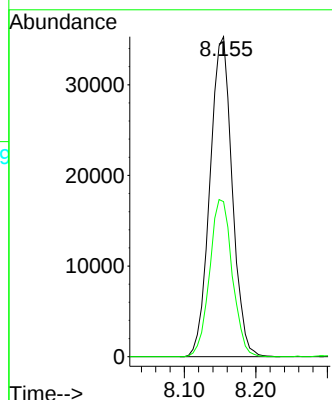
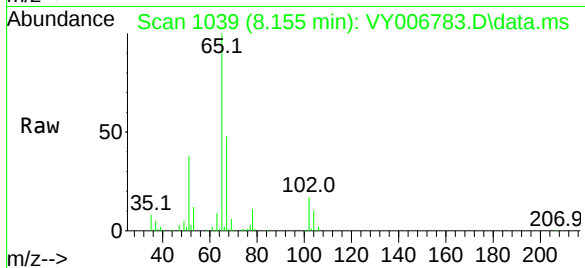
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Tgt Ion: 65 Resp: 76171

Ion Ratio Lower Upper

65 100

67 50.1 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

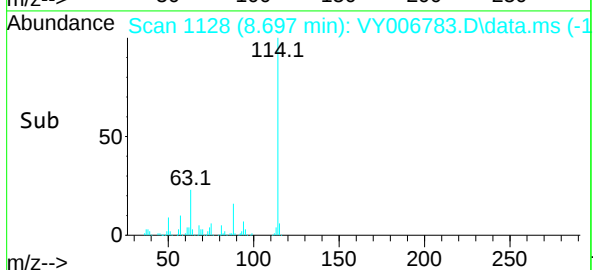
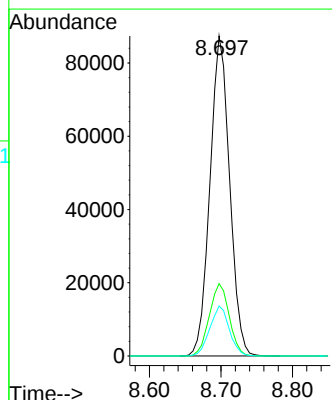
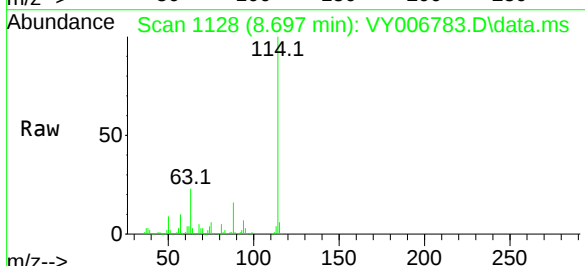
Tgt Ion: 114 Resp: 166873

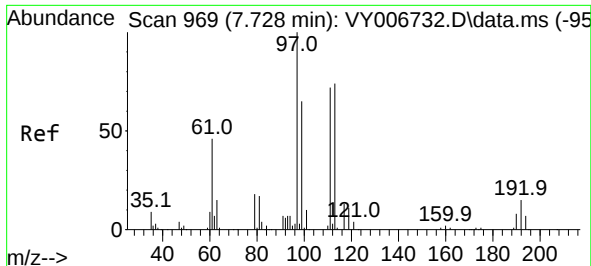
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 15.6 0.0 30.6

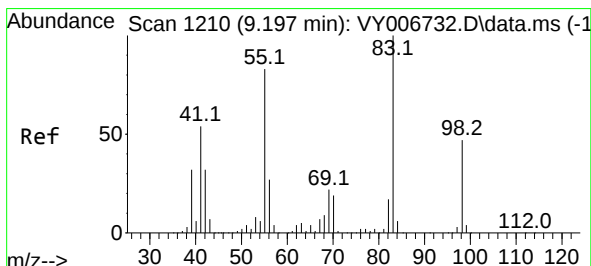
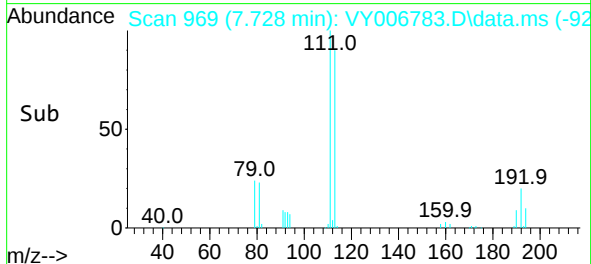
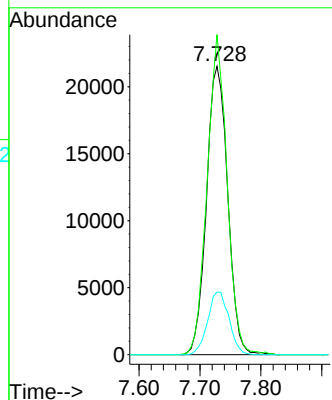
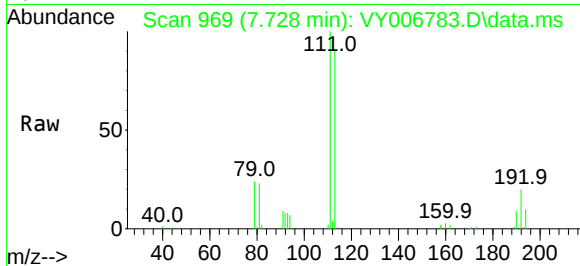




#35
Dibromofluoromethane
Concen: 50.889 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

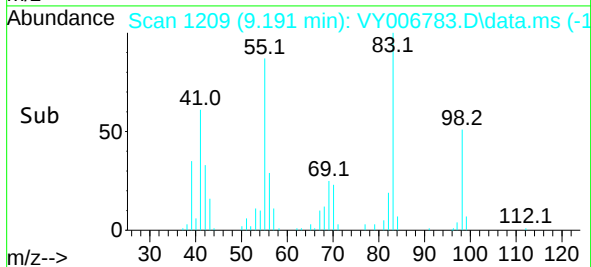
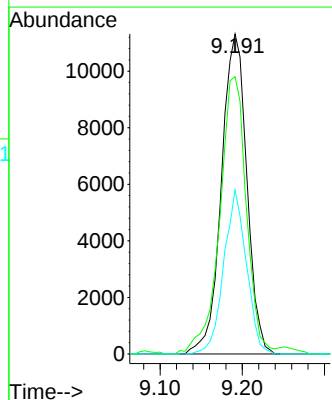
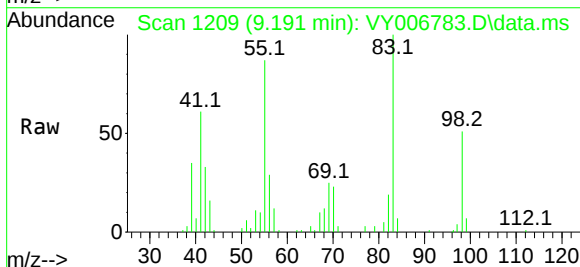
Instrument :
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ClientSampleId :
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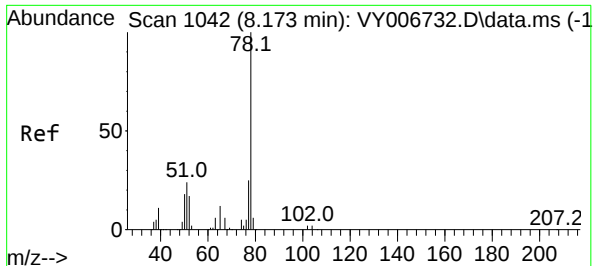
Tgt Ion:113 Resp: 52161
Ion Ratio Lower Upper
113 100
111 104.4 82.3 123.5
192 21.8 17.4 26.2



#39
Methylcyclohexane
Concen: 10.958 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.006 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion: 83 Resp: 24240
Ion Ratio Lower Upper
83 100
55 85.6 65.3 97.9
98 51.2 37.0 55.4

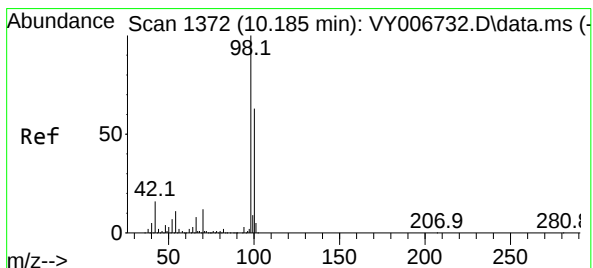
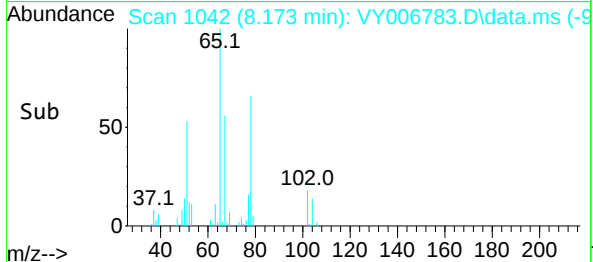
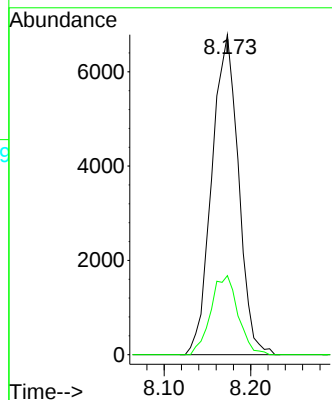
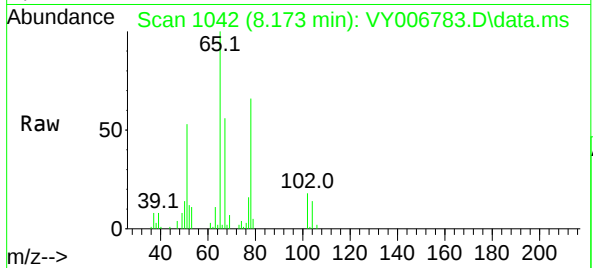




#40
Benzene
Concen: 2.840 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

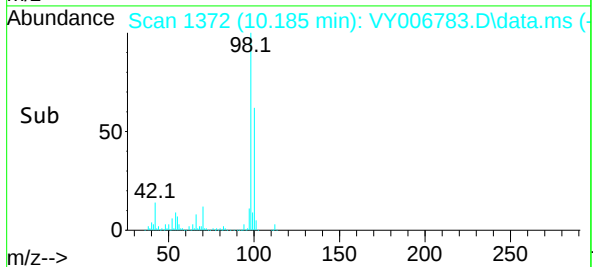
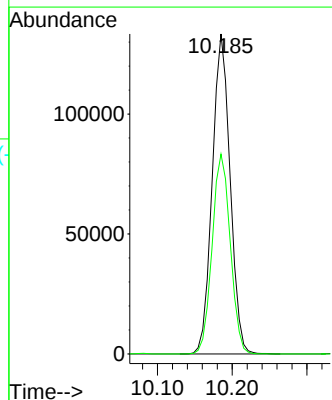
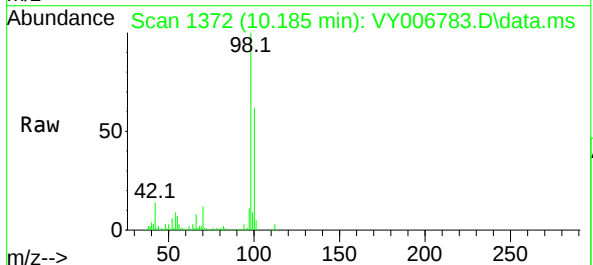
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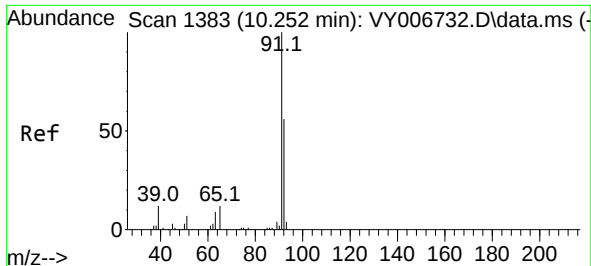
Tgt Ion: 78 Resp: 14502
Ion Ratio Lower Upper
78 100
77 24.7 19.7 29.5



#50
Toluene-d8
Concen: 52.133 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion: 98 Resp: 221128
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

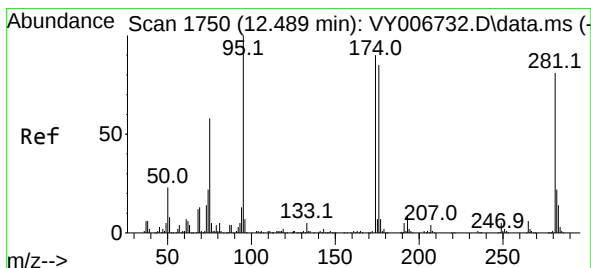
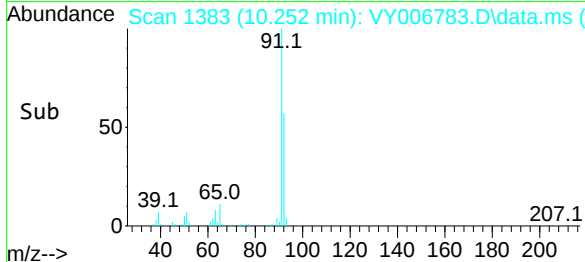
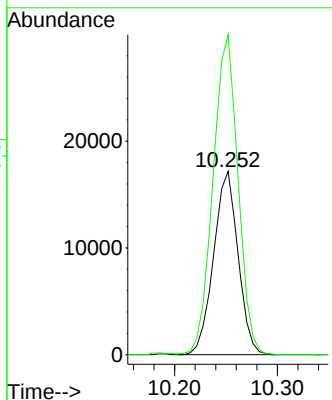
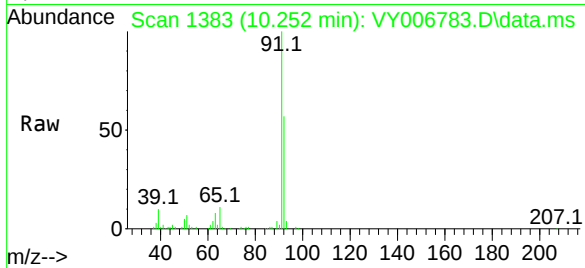




#52
Toluene
Concen: 9.134 ug/l
RT: 10.252 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

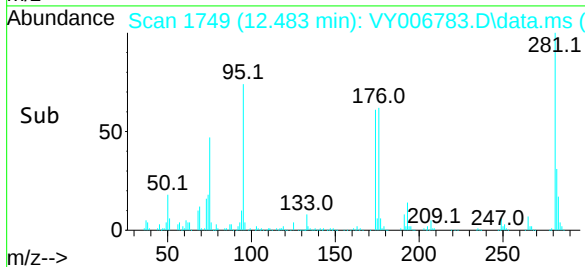
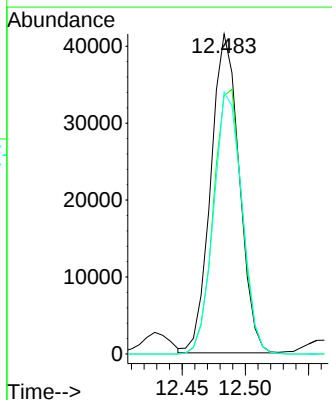
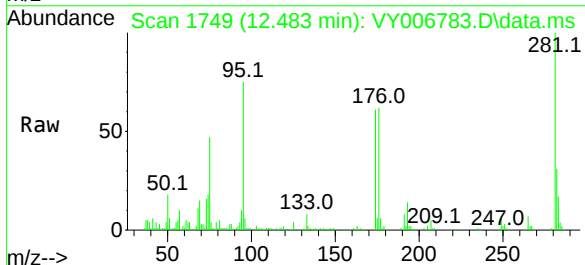
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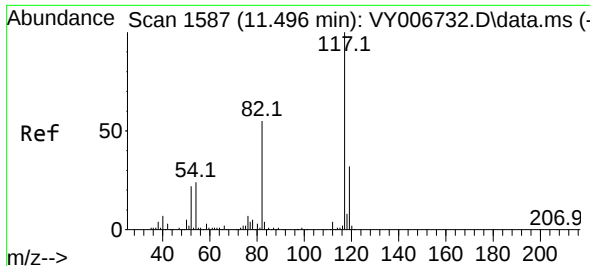
Tgt Ion: 92 Resp: 28322
Ion Ratio Lower Upper
92 100
91 178.4 139.7 209.5



#62
4-Bromofluorobenzene
Concen: 45.327 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion: 95 Resp: 64814
Ion Ratio Lower Upper
95 100
174 83.5 0.0 177.0
176 82.0 0.0 169.4

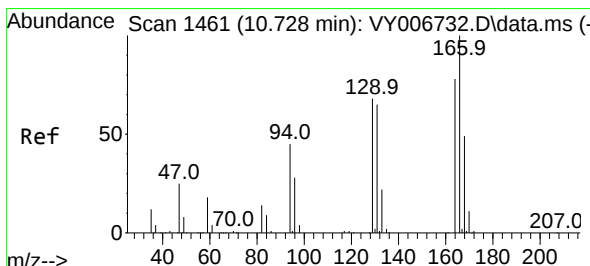
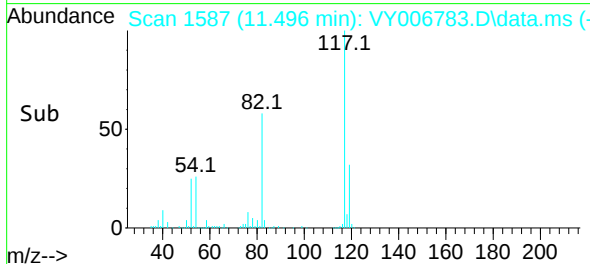
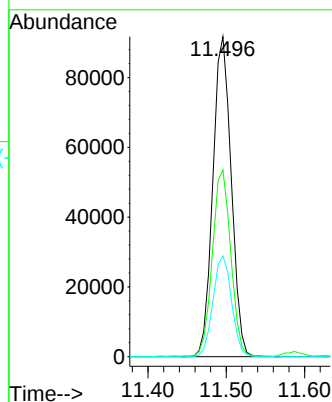
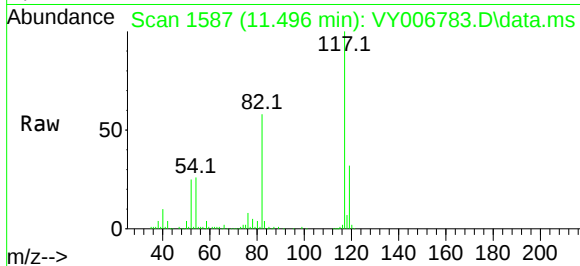




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

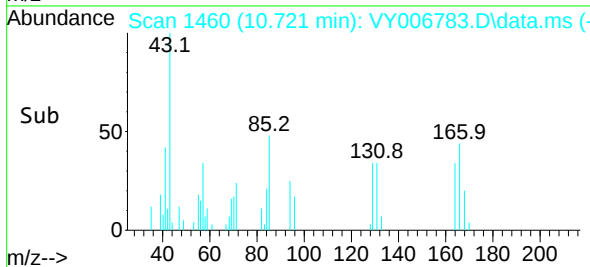
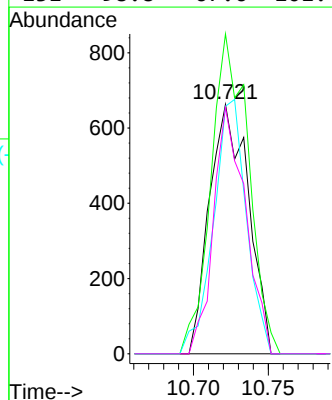
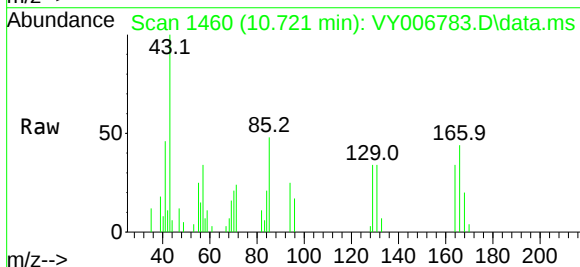
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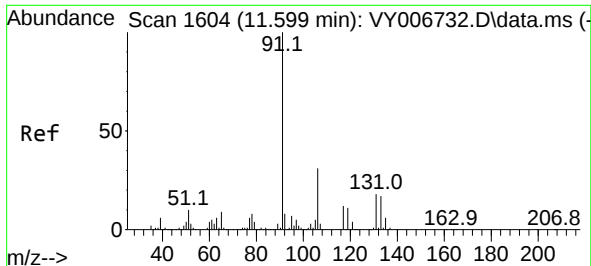
Tgt Ion:	117	Resp:	149278
Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.7	68.5
119	31.5	25.5	38.3



#64
Tetrachloroethene
Concen: 1.095 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion:	164	Resp:	1195
Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.3	154.9
129	99.2	71.2	106.8
131	98.8	67.6	101.4





#67

Ethyl Benzene

Concen: 8.983 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

Instrument :

MSVOA_Y

ClientSampleId :

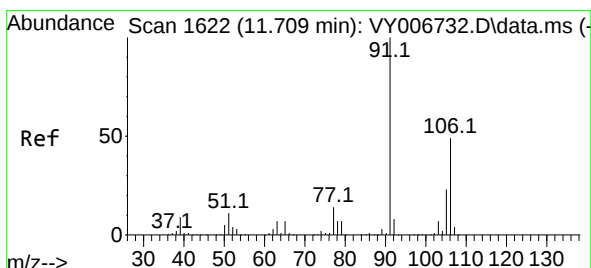
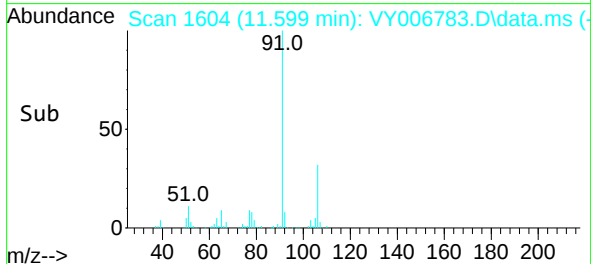
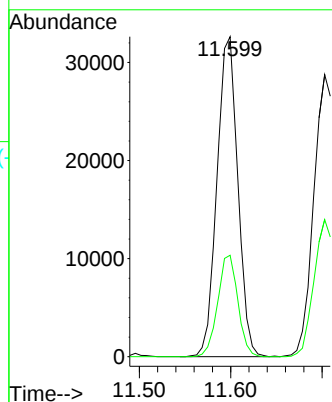
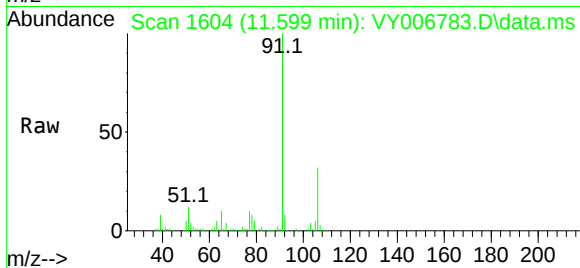
UT-COMP-01

Tgt Ion: 91 Resp: 51715

Ion Ratio Lower Upper

91 100

106 31.7 24.2 36.4



#68

m/p-Xylenes

Concen: 11.566 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY006783.D

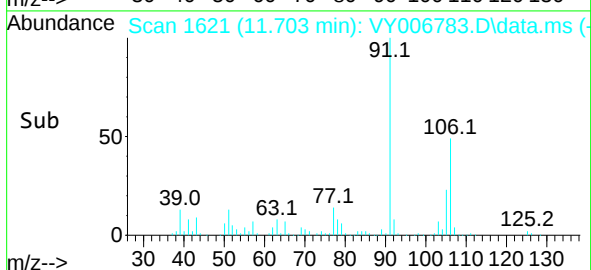
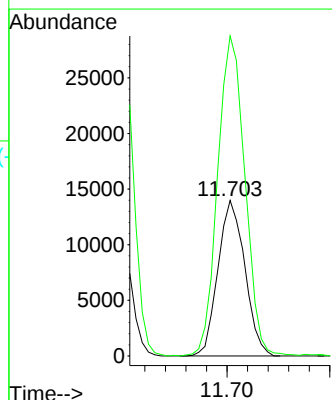
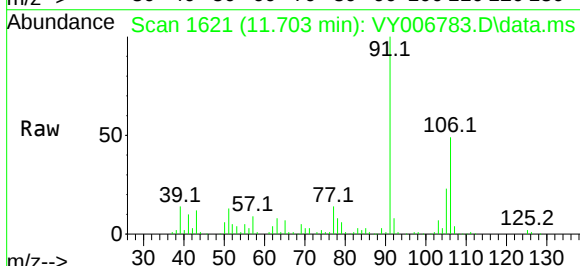
Acq: 17 Nov 2021 13:09

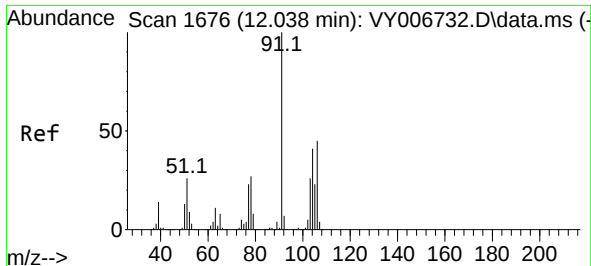
Tgt Ion: 106 Resp: 25375

Ion Ratio Lower Upper

106 100

91 208.9 167.5 251.3

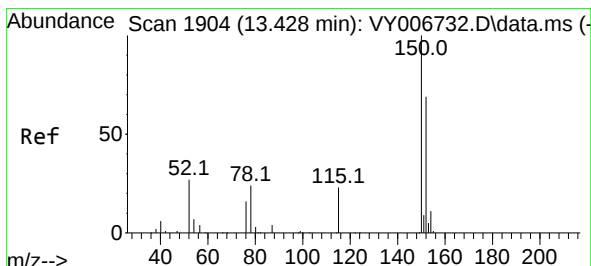
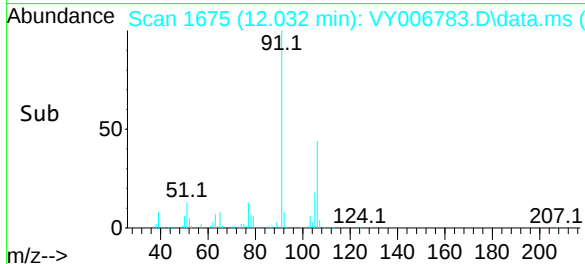
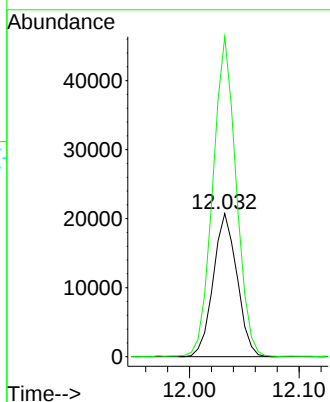
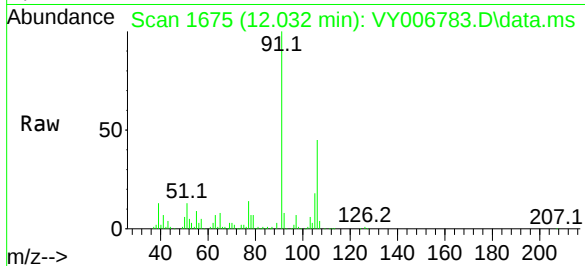




#69
o-Xylene
Concen: 15.012 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

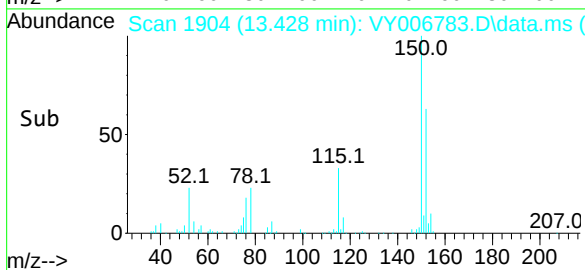
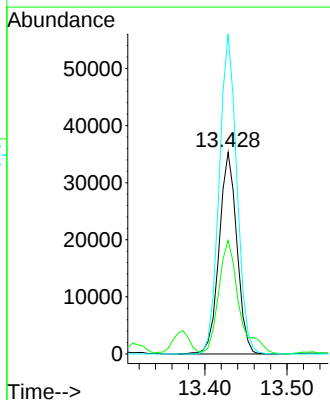
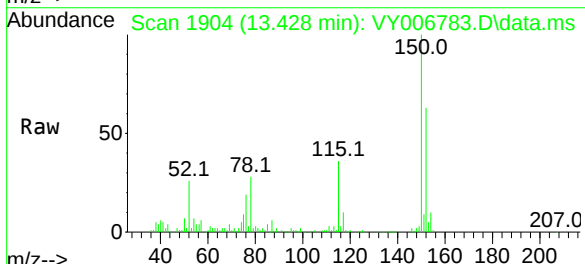
Instrument :
MSVOA_Y
ClientSampleId :
UT-COMP-01

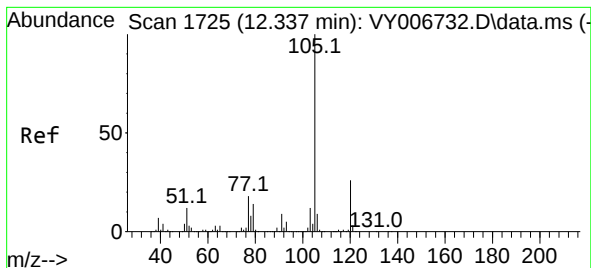
Tgt Ion:106 Resp: 31201
Ion Ratio Lower Upper
106 100
91 220.8 110.3 330.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006783.D
Acq: 17 Nov 2021 13:09

Tgt Ion:152 Resp: 52943
Ion Ratio Lower Upper
152 100
115 64.2 28.5 85.5
150 158.1 0.0 348.2





#73

Isopropylbenzene

Concen: 10.939 ug/l

RT: 12.337 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

Instrument :

MSVOA_Y

ClientSampleId :

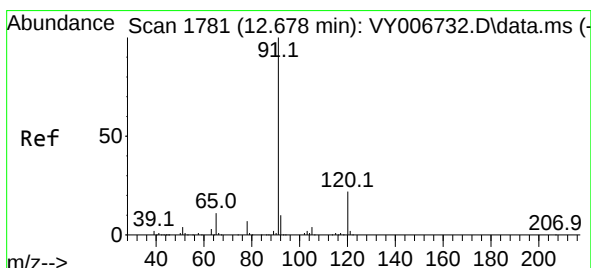
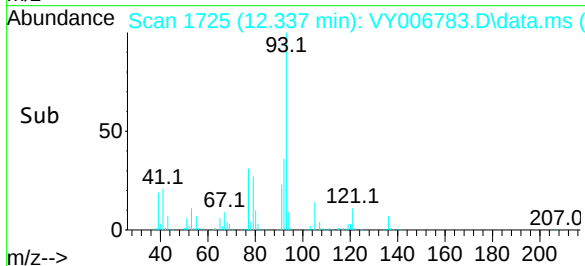
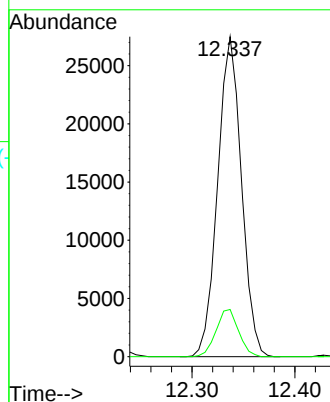
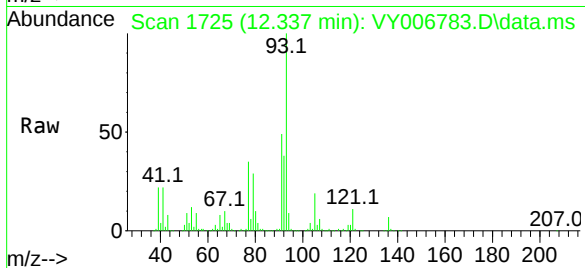
UT-COMP-01

Tgt Ion:105 Resp: 44104

Ion Ratio Lower Upper

105 100

120 14.0 13.3 39.9



#78

n-propylbenzene

Concen: 3.717 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.006 min

Lab File: VY006783.D

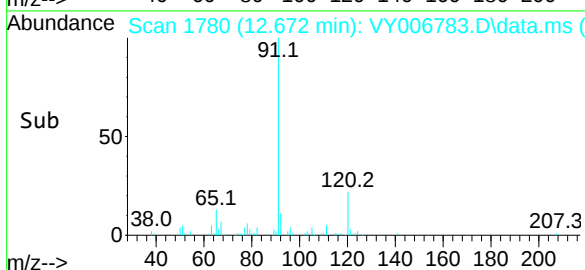
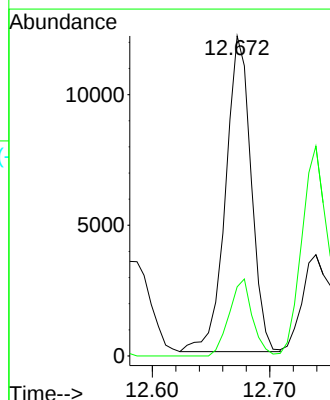
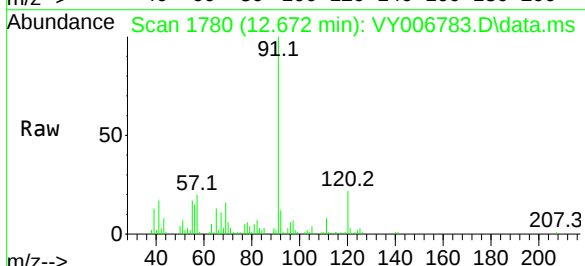
Acq: 17 Nov 2021 13:09

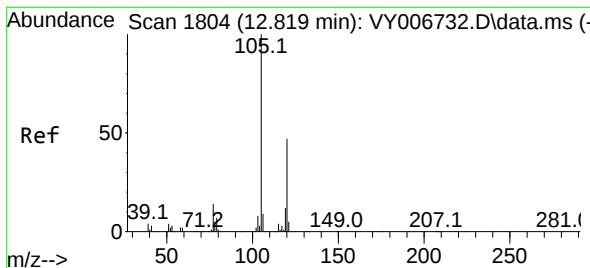
Tgt Ion: 91 Resp: 18270

Ion Ratio Lower Upper

91 100

120 22.0 11.3 33.8





#80

1,3,5-Trimethylbenzene

Concen: 26.289 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.000 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

Instrument :

MSVOA_Y

ClientSampleId :

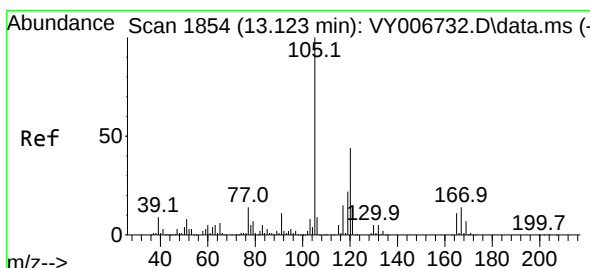
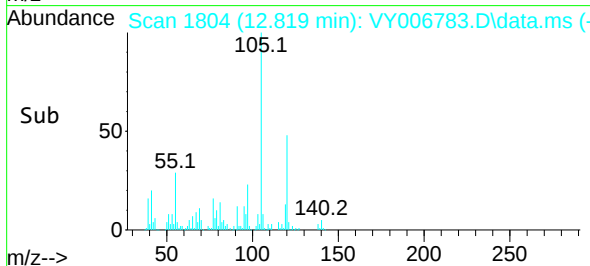
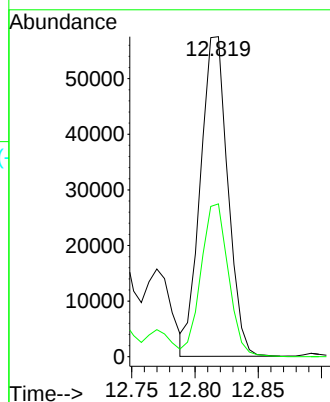
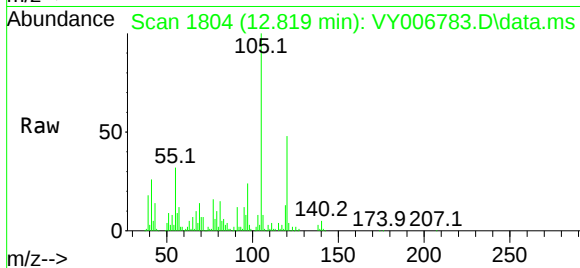
UT-COMP-01

Tgt Ion:105 Resp: 86869

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.4



#84

1,2,4-Trimethylbenzene

Concen: 22.224 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY006783.D

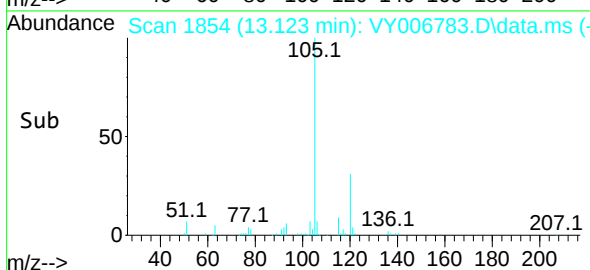
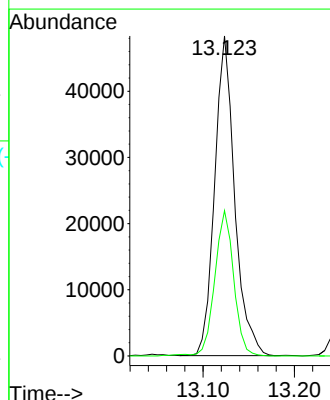
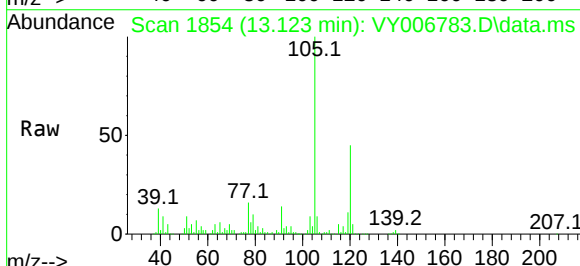
Acq: 17 Nov 2021 13:09

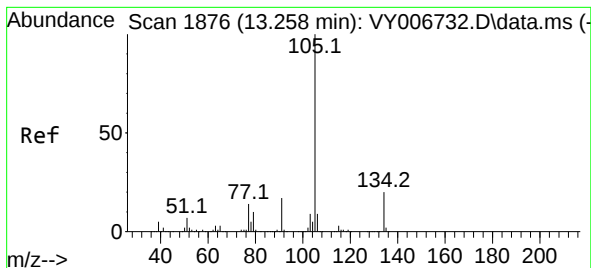
Tgt Ion:105 Resp: 73319

Ion Ratio Lower Upper

105 100

120 43.2 22.6 67.8





#85

sec-Butylbenzene

Concen: 3.762 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. -0.000 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

Instrument :

MSVOA_Y

ClientSampleId :

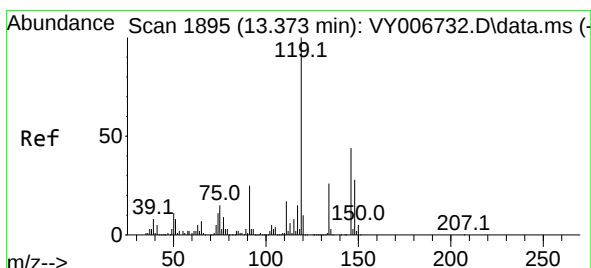
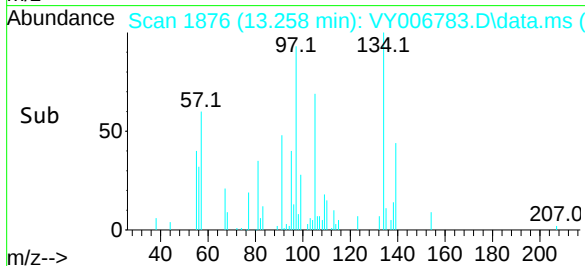
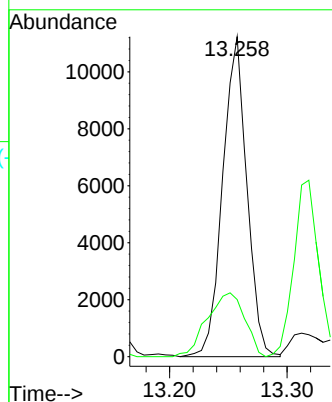
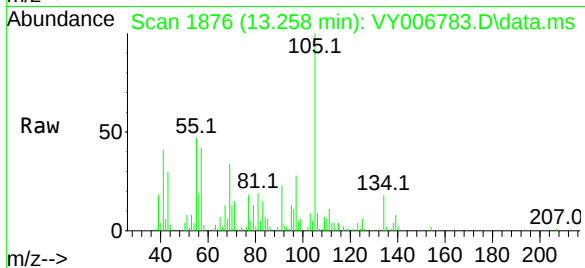
UT-COMP-01

Tgt Ion:105 Resp: 16077

Ion Ratio Lower Upper

105 100

134 31.1 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 19.770 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY006783.D

Acq: 17 Nov 2021 13:09

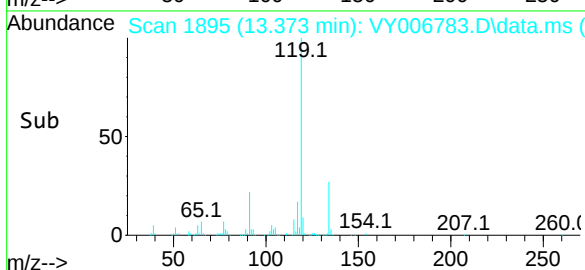
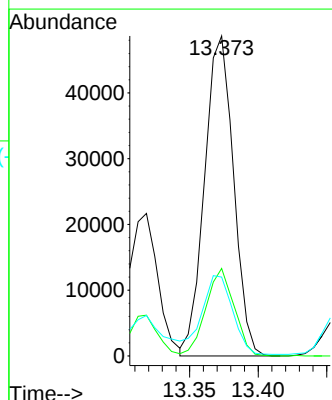
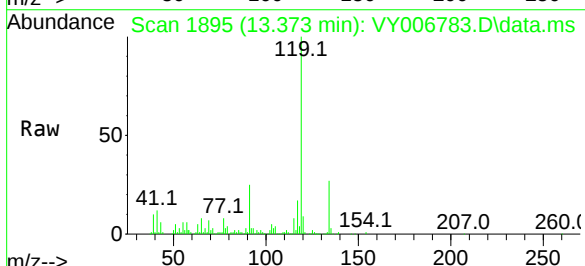
Tgt Ion:119 Resp: 71528

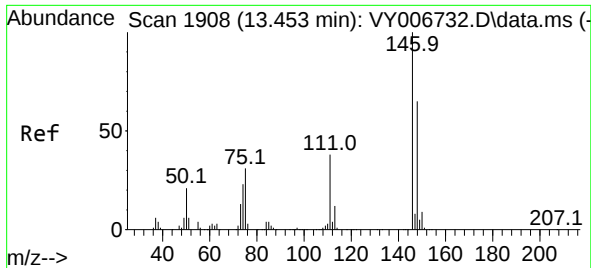
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

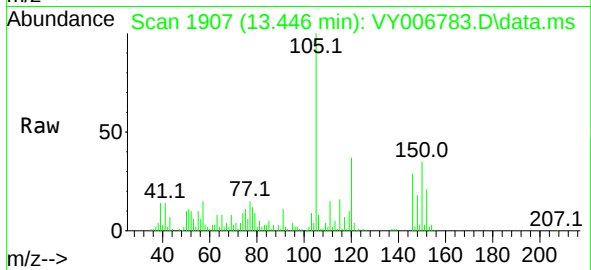
91 26.3 12.4 37.4





#88
 1,4-Dichlorobenzene
 Concen: 7.437 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY006783.D
 Acq: 17 Nov 2021 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 UT-COMP-01



Tgt Ion:	146	Resp:	13420
Ion	Ratio	Lower	Upper
146	100		
111	54.9	18.9	56.5
148	65.6	32.0	96.2

