

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009486.D
 Acq On : 08 Jul 2022 16:36
 Operator : KP/MD
 Sample : N3595-06
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220488C-6C

Quant Time: Jul 11 02:15:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

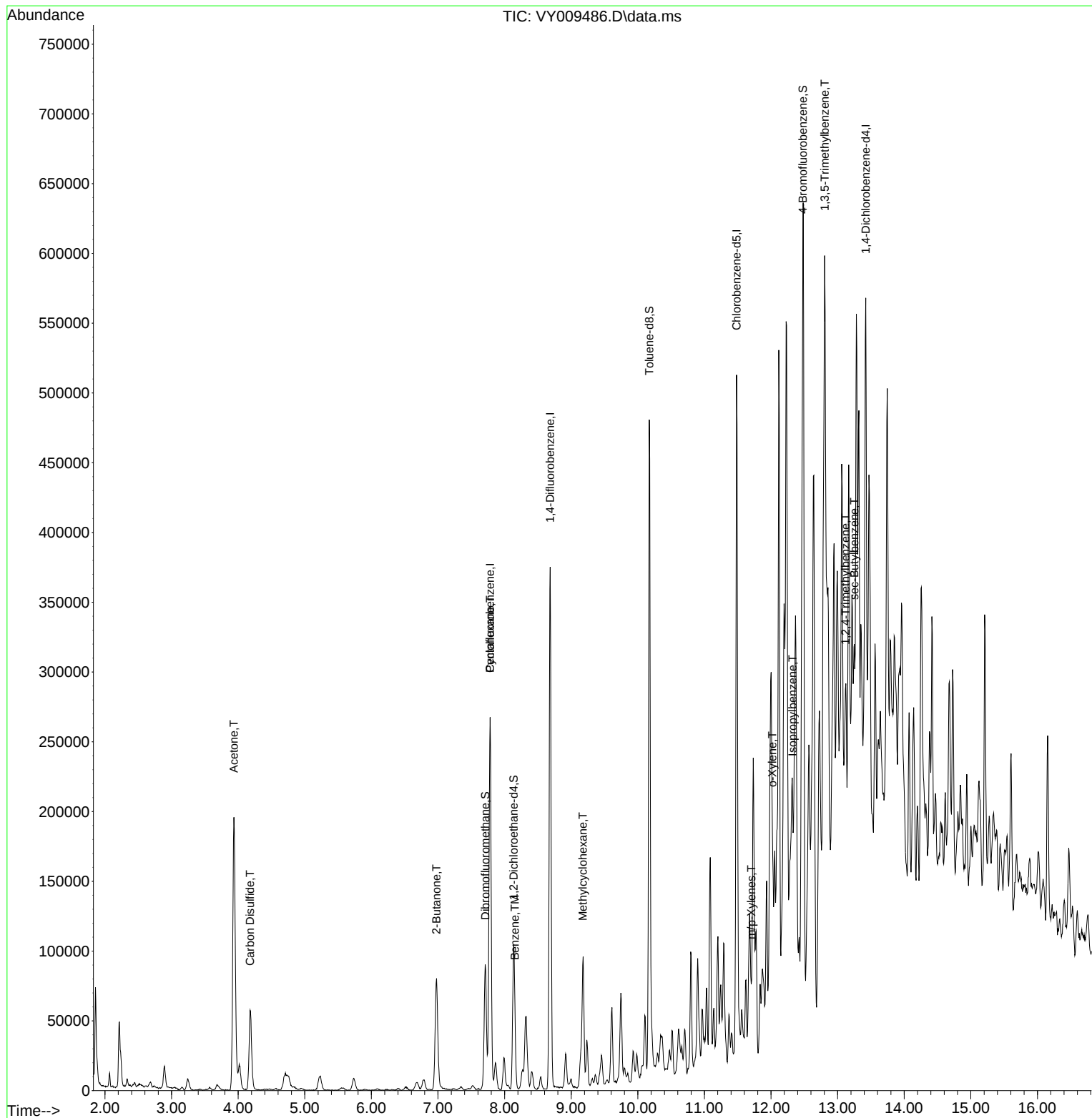
Internal Standards						
1) Pentafluorobenzene	7.783	168	203569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	257196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	101084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70286	48.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.740%
35) Dibromofluoromethane	7.710	113	61733	36.835	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.660%
50) Toluene-d8	10.173	98	257116	57.110	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	114.220%
62) 4-Bromofluorobenzene	12.477	95	90519	38.263	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	76.520%
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	333577	673.604	ug/l	93
17) Carbon Disulfide	4.180	76	112253	22.912	ug/l	99
25) 2-Butanone	6.978	43	107344	133.996	ug/l #	88
31) Cyclohexane	7.783	56	9606	2.876	ug/l #	31
39) Methylcyclohexane	9.173	83	29196	8.914	ug/l	99
40) Benzene	8.155	78	23524	2.936	ug/l	93
68) m/p-Xylenes	11.703	106	5963	1.734	ug/l	94
69) o-Xylene	12.020	106	7836	2.377	ug/l	99
73) Isopropylbenzene	12.325	105	11241	1.626	ug/l	83
80) 1,3,5-Trimethylbenzene	12.806	105	38207	6.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	39841	6.927	ug/l	99
85) sec-Butylbenzene	13.251	105	9712	1.283	ug/l #	51

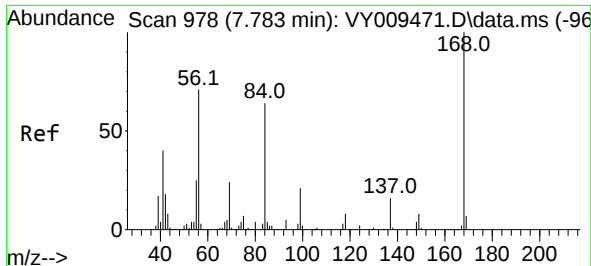
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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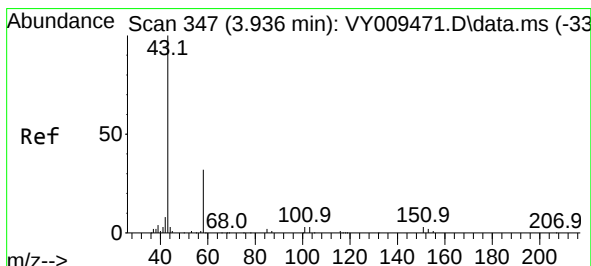
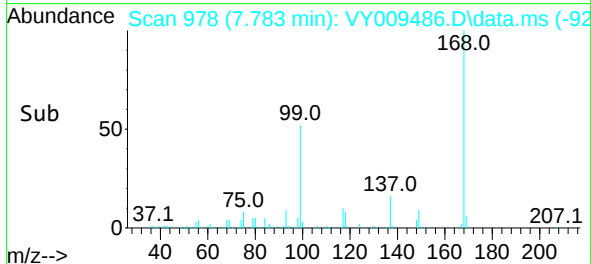
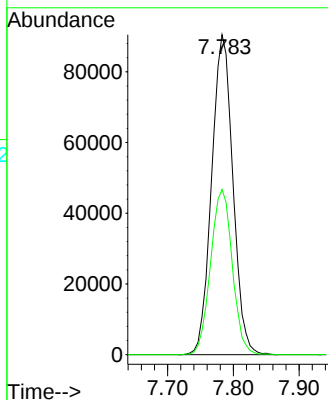
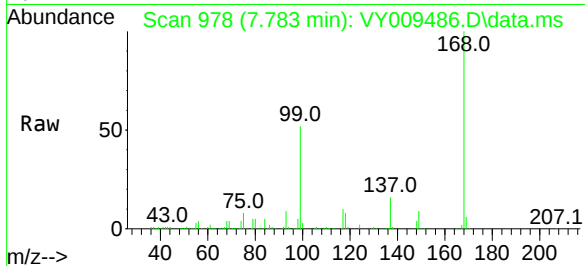




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

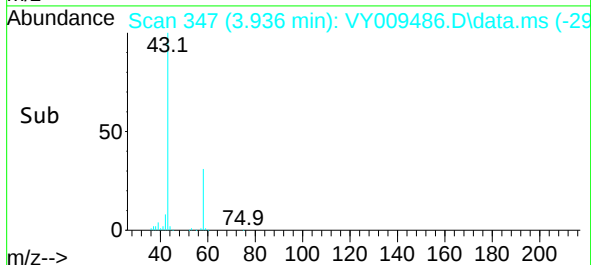
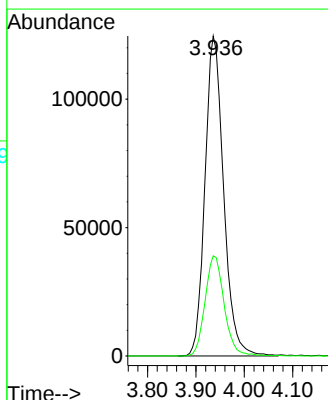
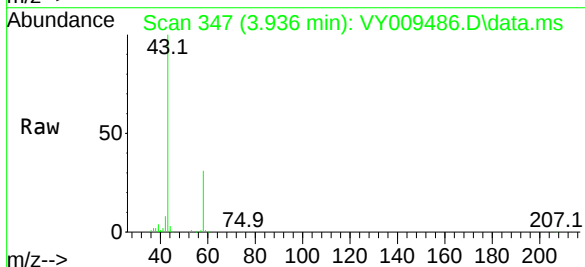
Instrument :
MSVOA_Y
ClientSampleId :
20220488C-6C

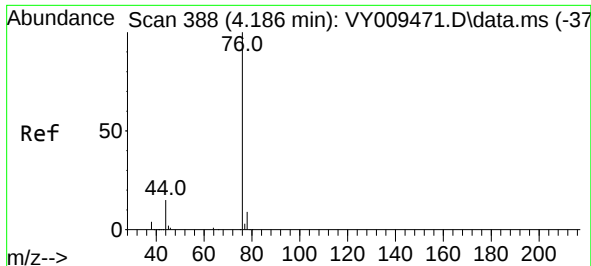
Tgt Ion:168 Resp: 203569
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#16
Acetone
Concen: 673.604 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

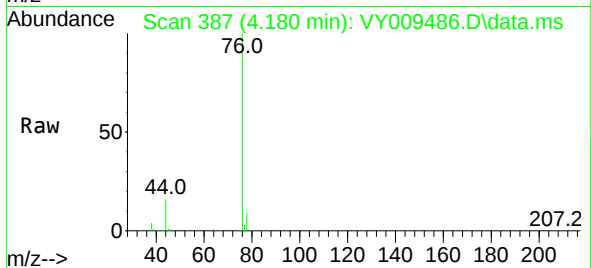
Tgt Ion: 43 Resp: 333577
Ion Ratio Lower Upper
43 100
58 31.3 22.0 33.0



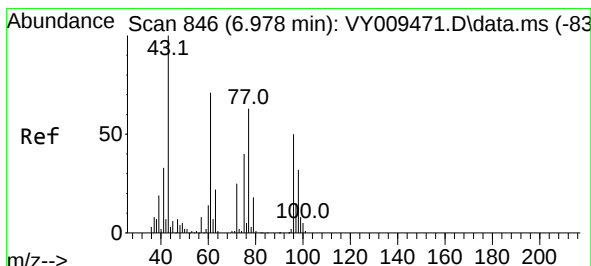
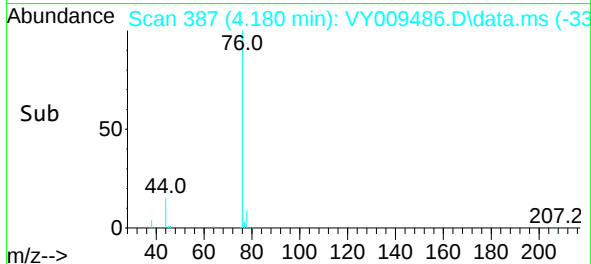
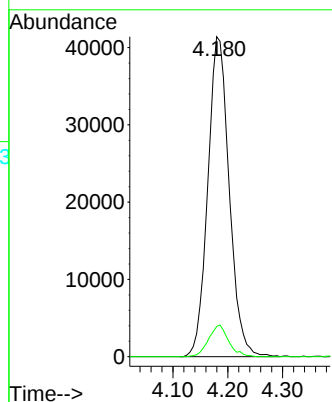


#17
Carbon Disulfide
Concen: 22.912 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
20220488C-6C

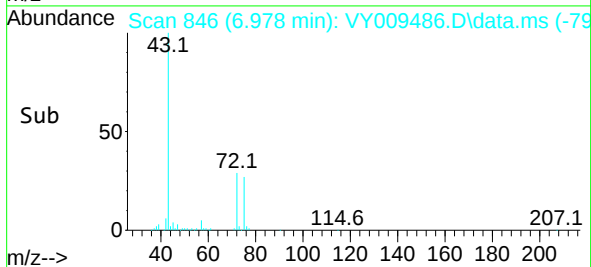
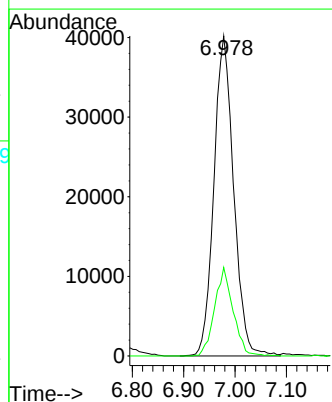
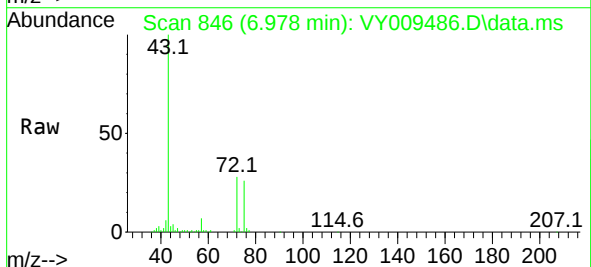


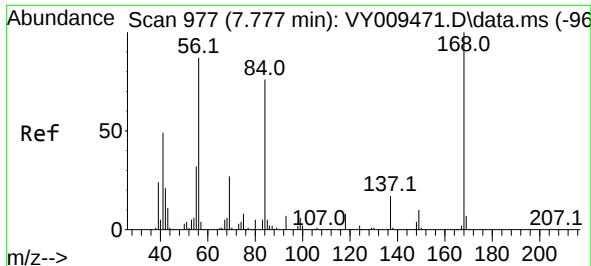
Tgt Ion: 76 Resp: 112253
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#25
2-Butanone
Concen: 133.996 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

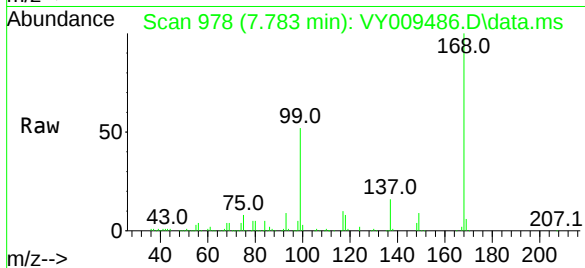
Tgt Ion: 43 Resp: 107344
Ion Ratio Lower Upper
43 100
72 27.6 17.7 26.5#



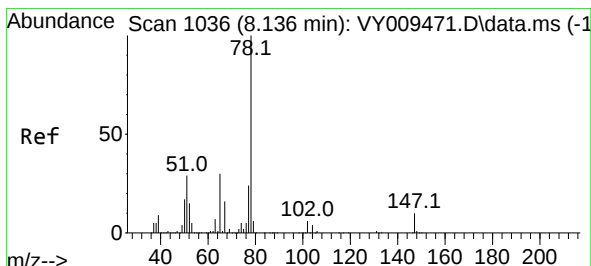
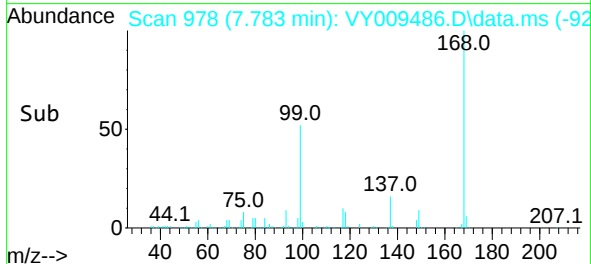
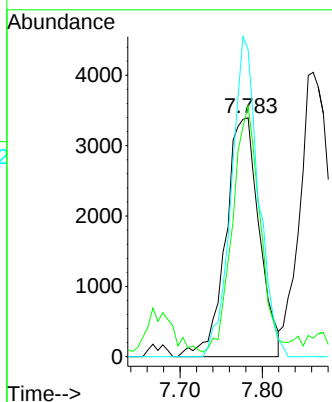


#31
Cyclohexane
Concen: 2.876 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
20220488C-6C

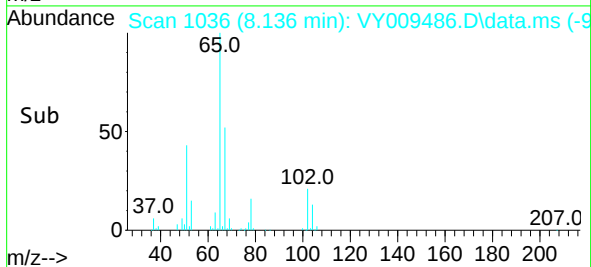
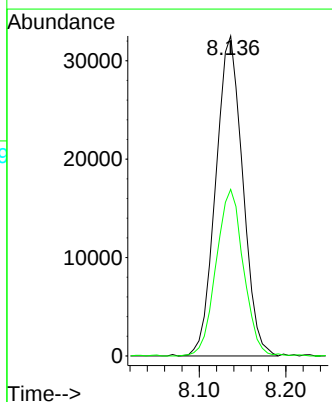
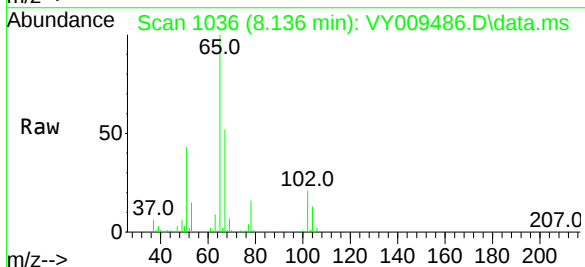


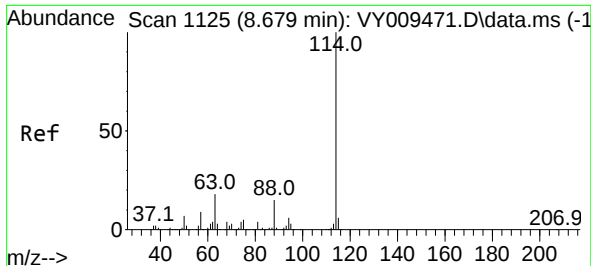
Tgt Ion: 56 Resp: 9606
Ion Ratio Lower Upper
56 100
69 100.4 26.7 40.1#
84 128.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.868 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

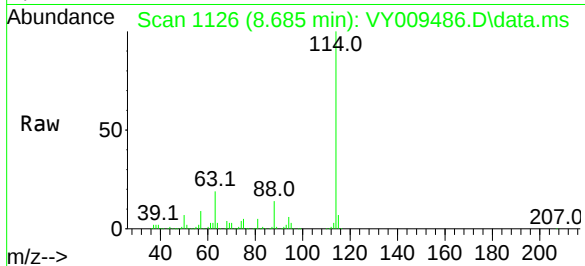
Tgt Ion: 65 Resp: 70286
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4



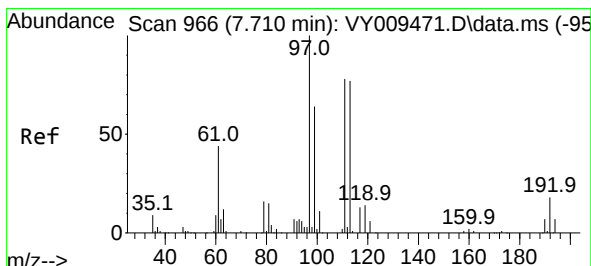
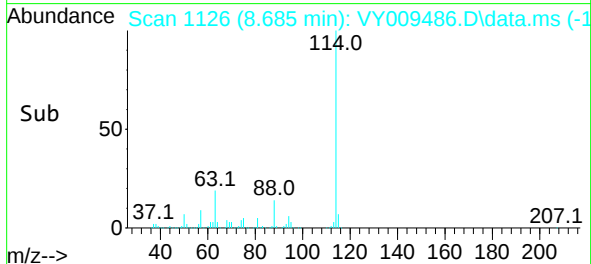
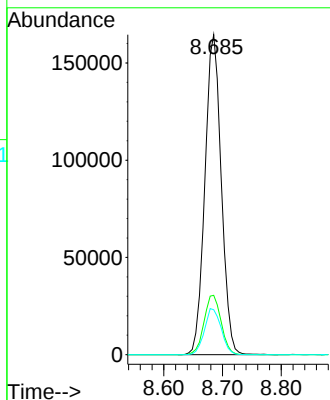


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
20220488C-6C

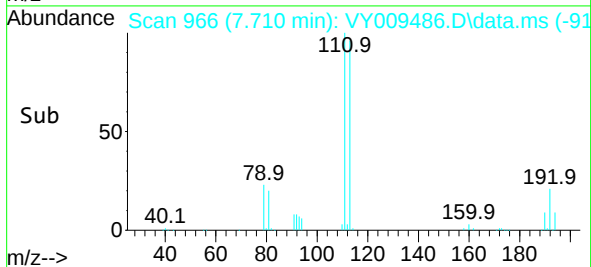
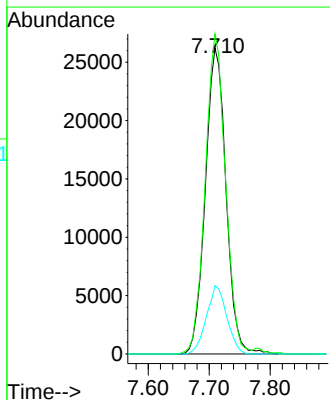
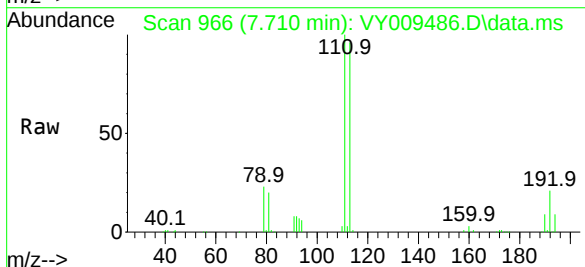


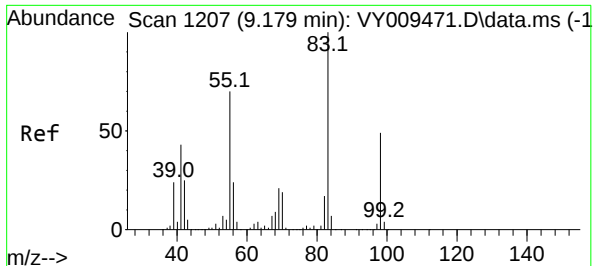
Tgt Ion:114 Resp: 318517
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.2
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 36.835 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Tgt Ion:113 Resp: 61733
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 21.9 17.6 26.4





#39

Methylcyclohexane

Concen: 8.914 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY009486.D

Acq: 08 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

20220488C-6C

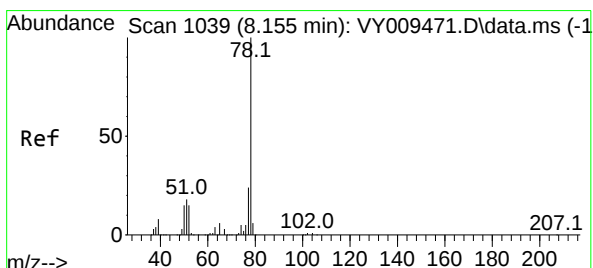
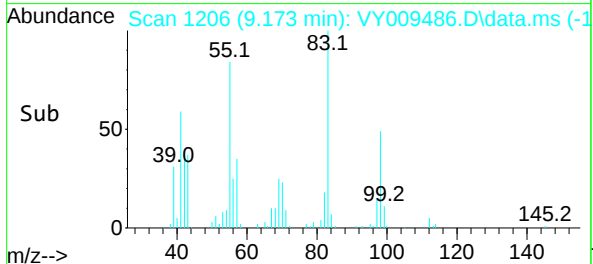
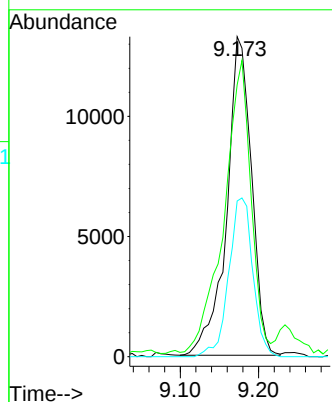
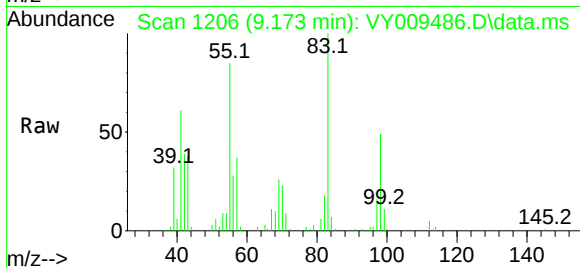
Tgt Ion: 83 Resp: 29196

Ion Ratio Lower Upper

83 100

55 84.0 66.5 99.7

98 48.9 37.9 56.9



#40

Benzene

Concen: 2.936 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY009486.D

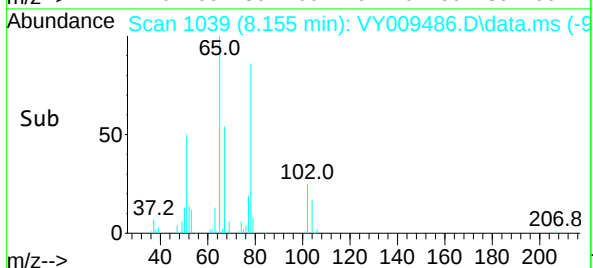
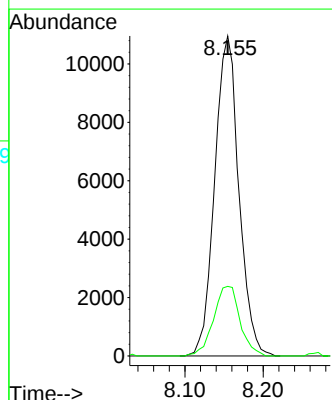
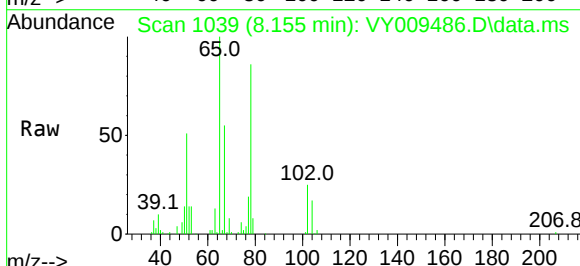
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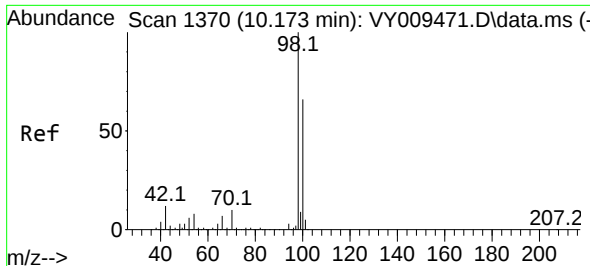
Tgt Ion: 78 Resp: 23524

Ion Ratio Lower Upper

78 100

77 21.8 20.4 30.6

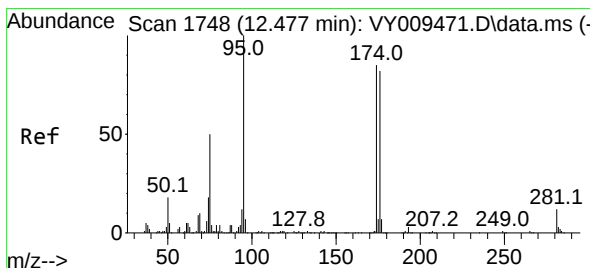
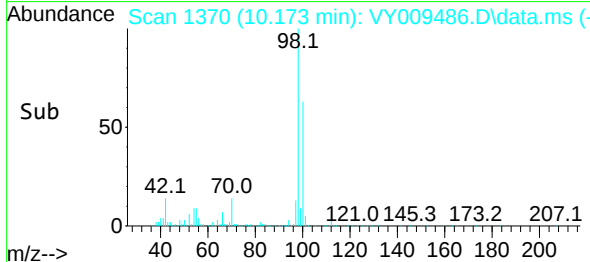
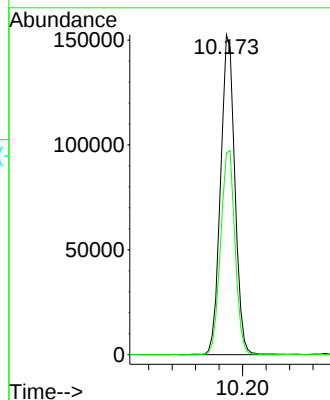
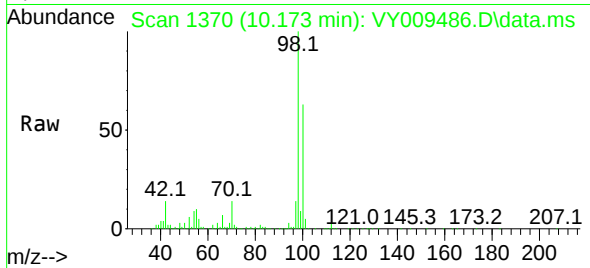




#50
Toluene-d8
Concen: 57.110 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

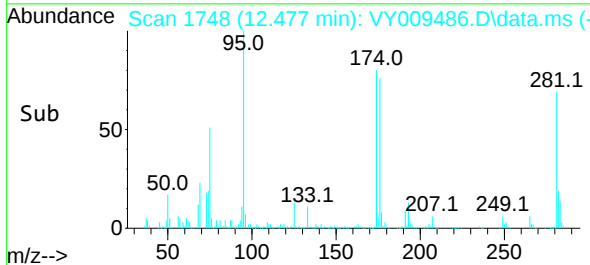
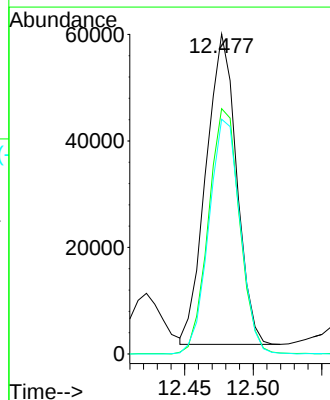
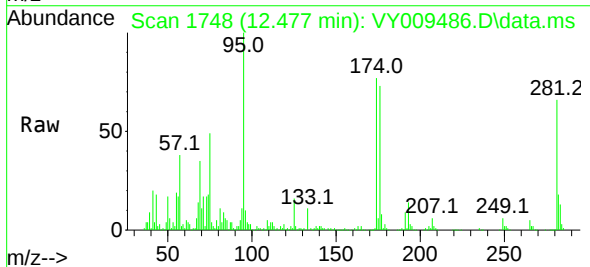
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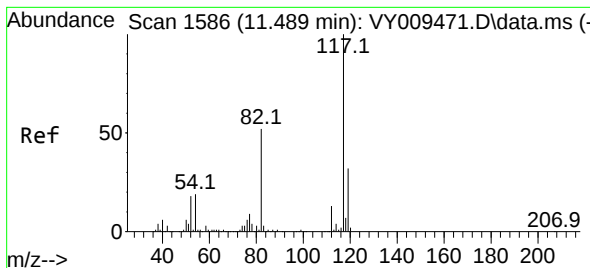
Tgt Ion: 98 Resp: 257116
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.263 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Tgt Ion: 95 Resp: 90519
Ion Ratio Lower Upper
95 100
174 80.0 0.0 177.0
176 77.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY009486.D

Acq: 08 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

20220488C-6C

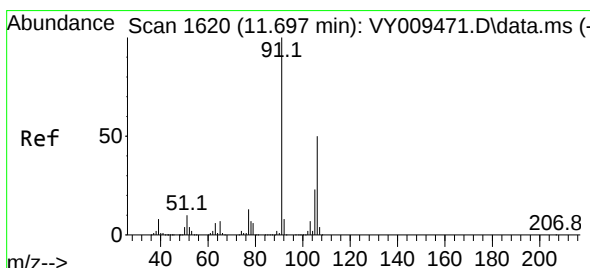
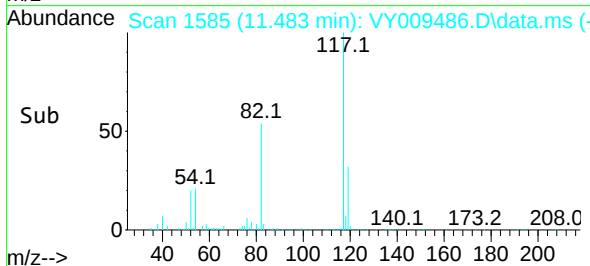
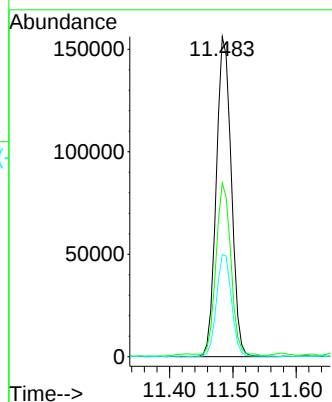
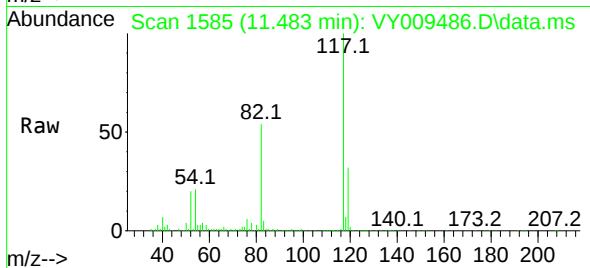
Tgt Ion:117 Resp: 257196

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

119 31.8 25.4 38.0



#68

m/p-Xylenes

Concen: 1.734 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY009486.D

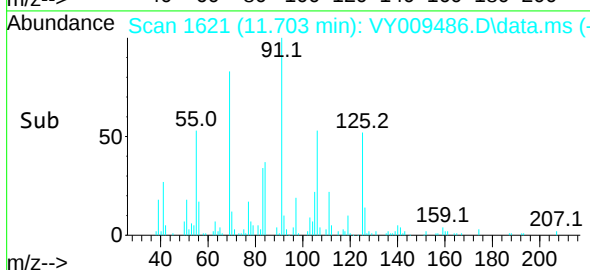
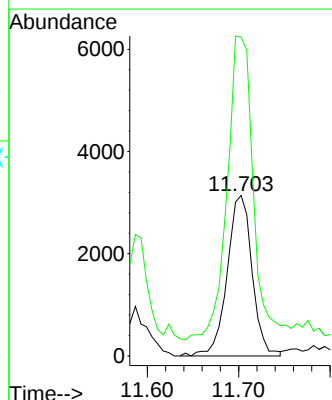
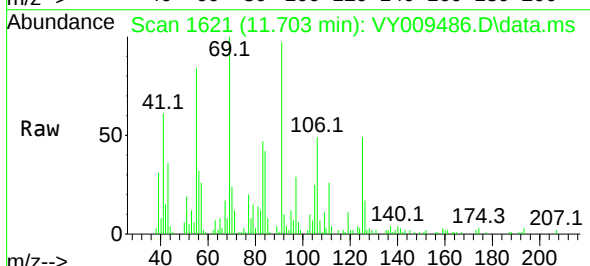
Acq: 08 Jul 2022 16:36

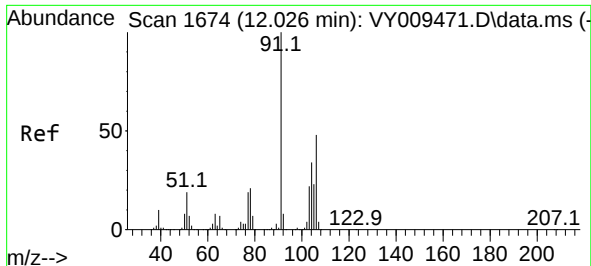
Tgt Ion:106 Resp: 5963

Ion Ratio Lower Upper

106 100

91 199.6 166.6 249.8

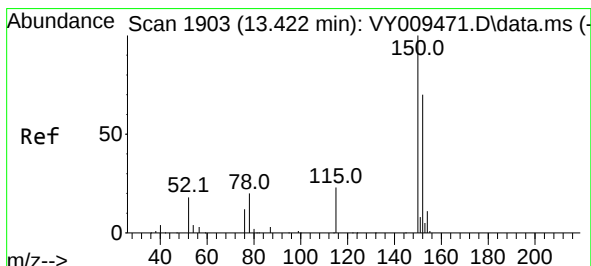
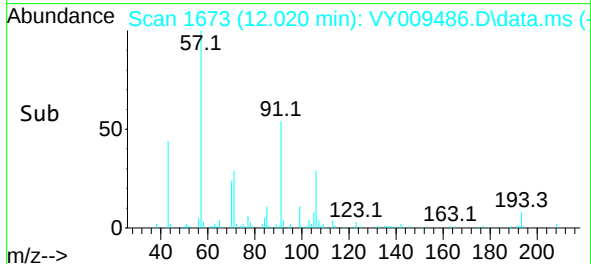
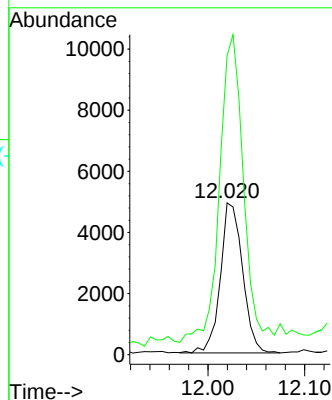
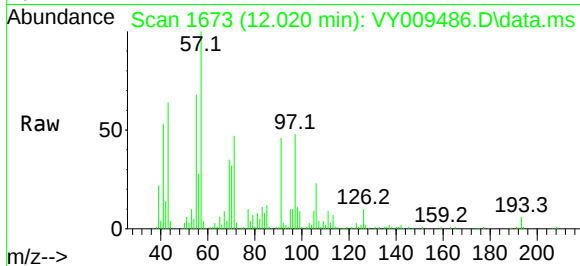




#69
o-Xylene
Concen: 2.377 ug/l
RT: 12.020 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

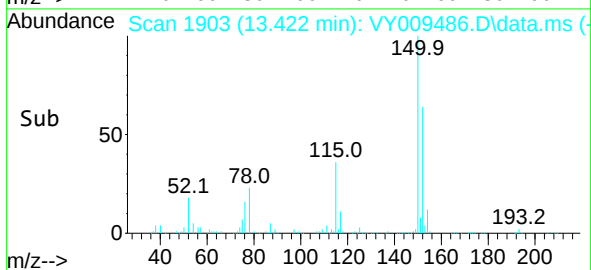
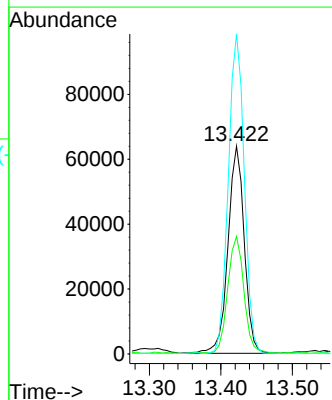
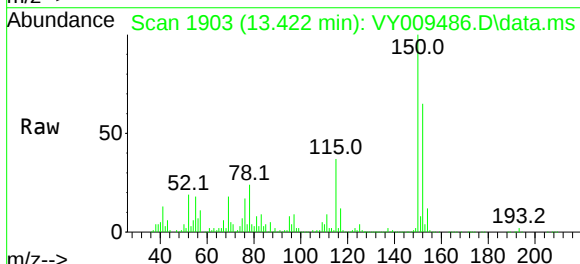
Instrument :
MSVOA_Y
ClientSampleId :
20220488C-6C

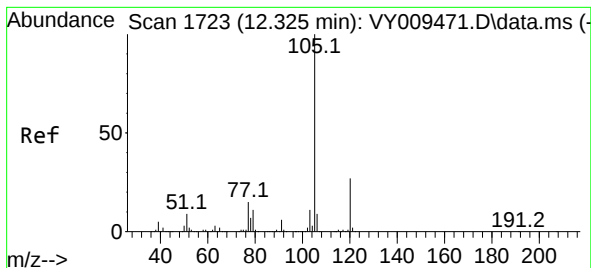
Tgt Ion:106 Resp: 7836
Ion Ratio Lower Upper
106 100
91 219.5 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Tgt Ion:152 Resp: 101084
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 150.9 0.0 347.6





#73

Isopropylbenzene

Concen: 1.626 ug/l

RT: 12.325 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009486.D

Acq: 08 Jul 2022 16:36

Instrument :

MSVOA_Y

ClientSampleId :

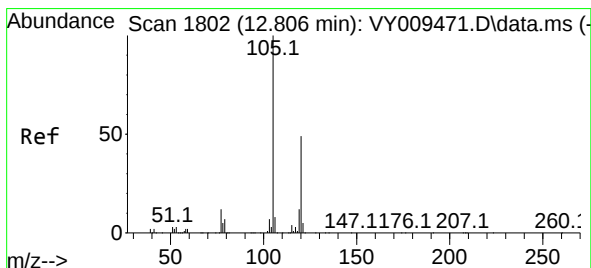
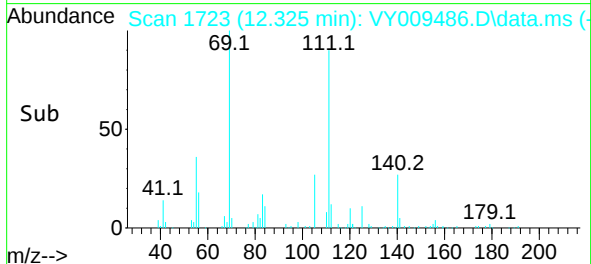
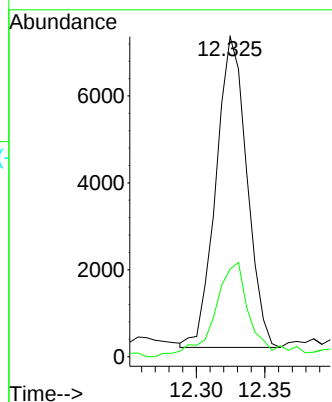
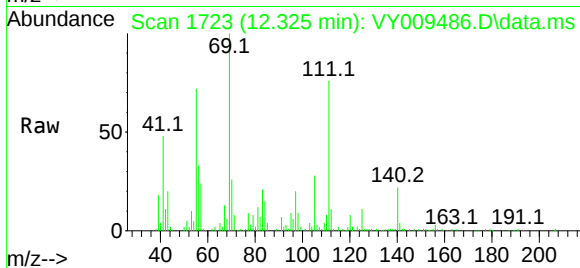
20220488C-6C

Tgt Ion:105 Resp: 11241

Ion Ratio Lower Upper

105 100

120 35.7 13.4 40.2



#80

1,3,5-Trimethylbenzene

Concen: 6.612 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VY009486.D

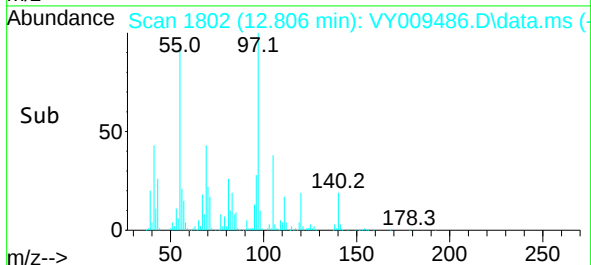
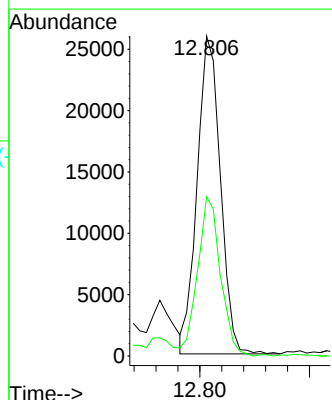
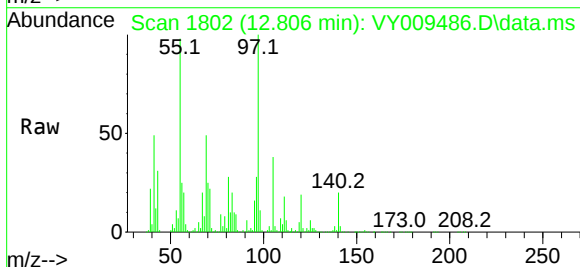
Acq: 08 Jul 2022 16:36

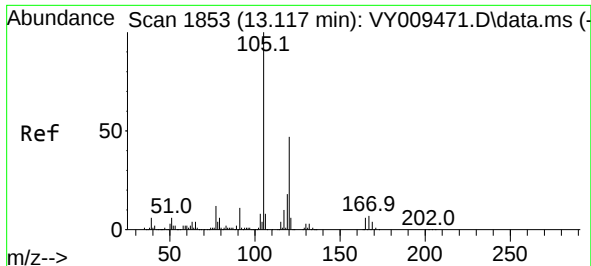
Tgt Ion:105 Resp: 38207

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.4

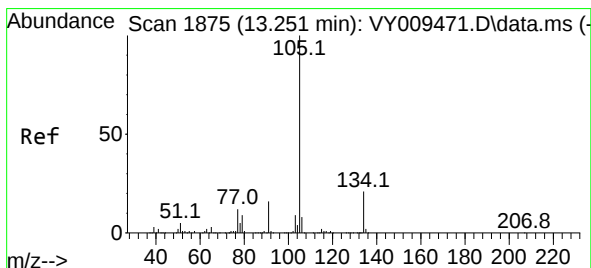
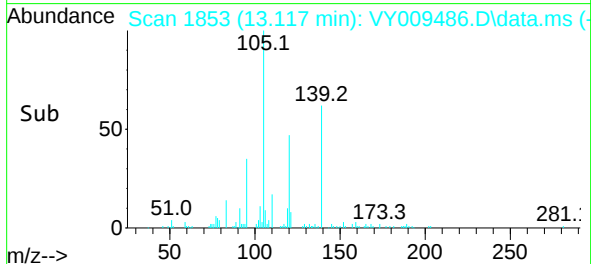
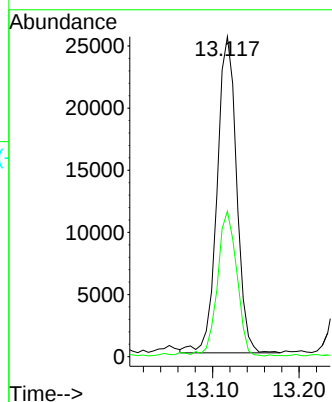
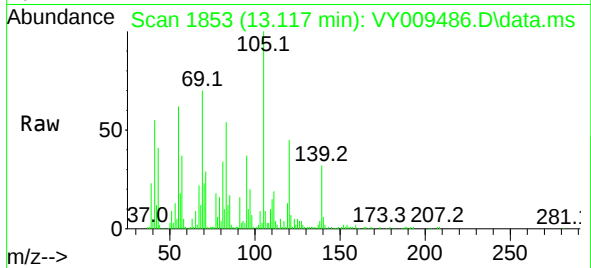




#84
1,2,4-Trimethylbenzene
Concen: 6.927 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Instrument :
MSVOA_Y
ClientSampleId :
20220488C-6C

Tgt Ion:105 Resp: 39841
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.283 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY009486.D
Acq: 08 Jul 2022 16:36

Tgt Ion:105 Resp: 9712
Ion Ratio Lower Upper
105 100
134 43.0 10.2 30.4#

