

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009662.D
 Acq On : 22 Jul 2022 16:12
 Operator : KP/MD
 Sample : N3773-18
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

Quant Time: Jul 23 00:54:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

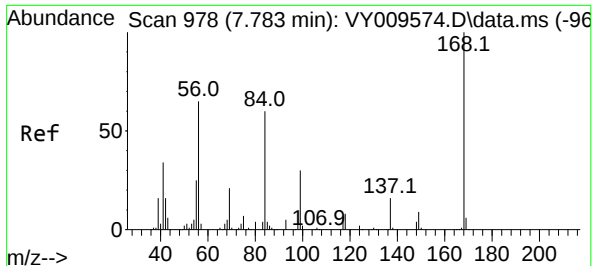
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.777	168	121124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	185141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	174206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	86312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	49936	43.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.180%
35) Dibromofluoromethane	7.710	113	50056	42.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.840%
50) Toluene-d8	10.173	98	329180	73.414	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	146.820%#
62) 4-Bromofluorobenzene	12.477	95	103459	71.207	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	142.420%

Target Compounds						Qvalue
16) Acetone	3.924	43	172265	594.457	ug/l #	61
25) 2-Butanone	6.966	43	57370	135.721	ug/l #	60
31) Cyclohexane	7.759	56	1971728	976.151	ug/l #	61
39) Methylcyclohexane	9.179	83	2593503	1220.330	ug/l	93
40) Benzene	8.149	78	143915	28.535	ug/l	96
52) Toluene	10.240	92	33564	10.506	ug/l	100
67) Ethyl Benzene	11.587	91	5209805	832.100	ug/l	94
68) m/p-Xylenes	11.697	106	1437743	576.997	ug/l	91
69) o-Xylene	12.026	106	87233	37.410	ug/l	96
73) Isopropylbenzene	12.325	105	918692	153.731	ug/l	99
78) n-propylbenzene	12.666	91	4234696	586.438	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	1638234	331.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	2163979	438.192	ug/l	96
85) sec-Butylbenzene	13.251	105	484155	74.434	ug/l #	46
86) p-Isopropyltoluene	13.367	119	144461	26.428	ug/l	99
89) n-Butylbenzene	13.697	91	1206845	241.743	ug/l #	75
95) Naphthalene	15.233	128	1445712	464.570	ug/l	99

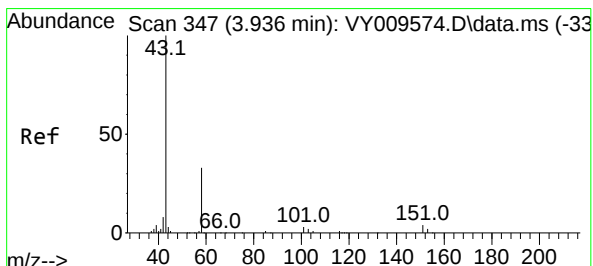
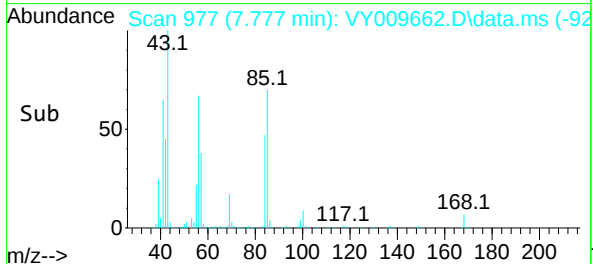
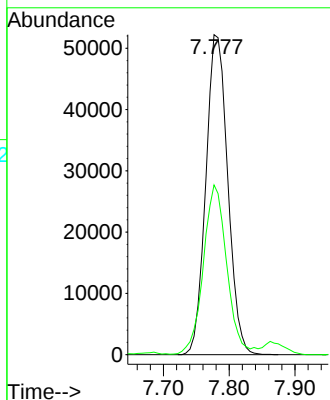
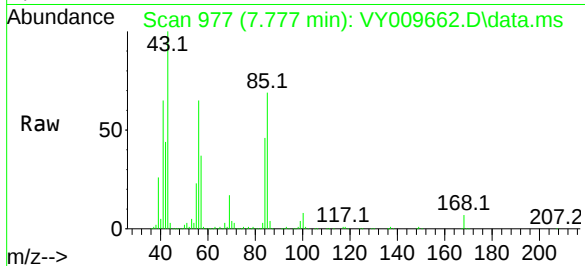
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

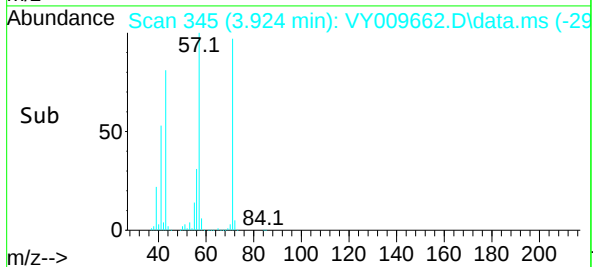
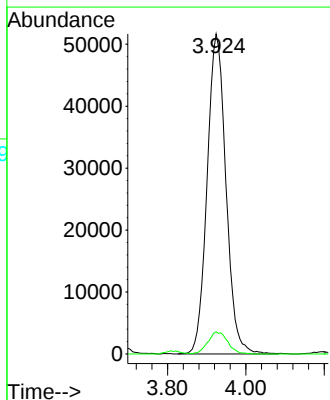
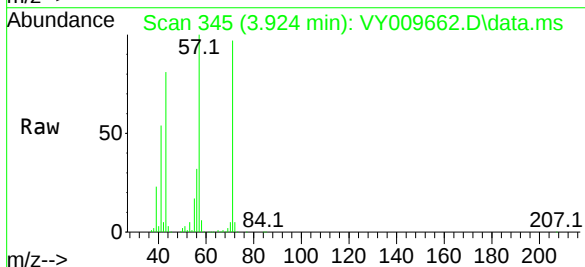
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

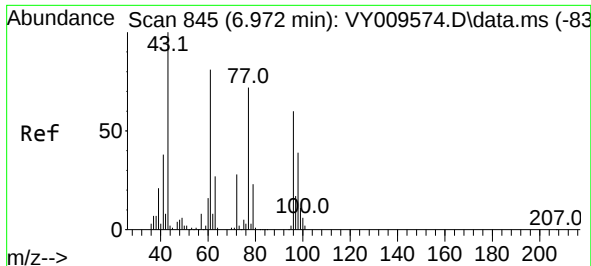
Tgt Ion:168 Resp: 121124
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#16
Acetone
Concen: 594.457 ug/l
RT: 3.924 min Scan# 345
Delta R.T. -0.012 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion: 43 Resp: 172265
Ion Ratio Lower Upper
43 100
58 6.9 22.0 33.0#

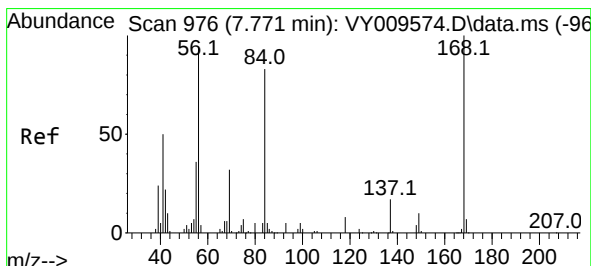
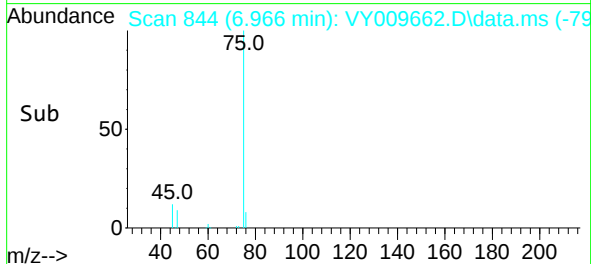
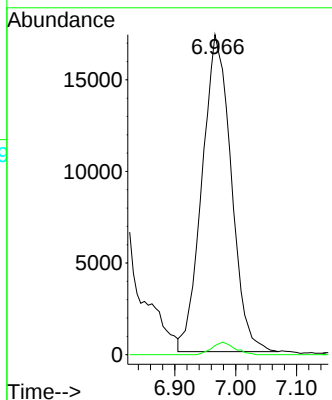
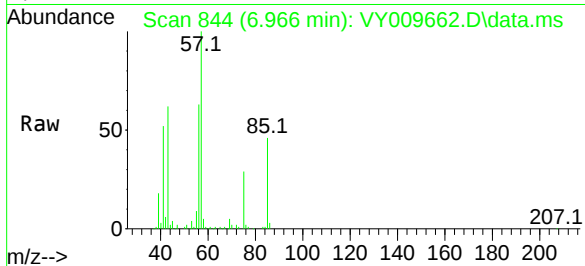




#25
2-Butanone
Concen: 135.721 ug/l
RT: 6.966 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

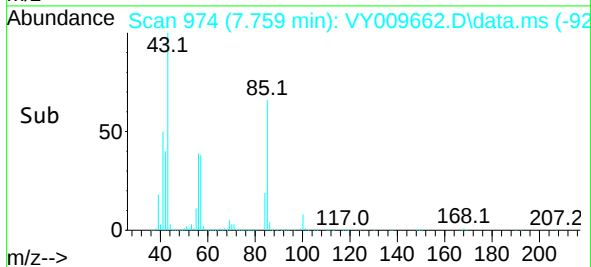
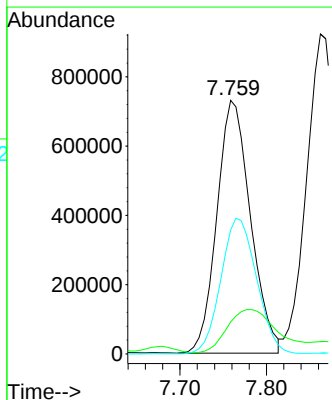
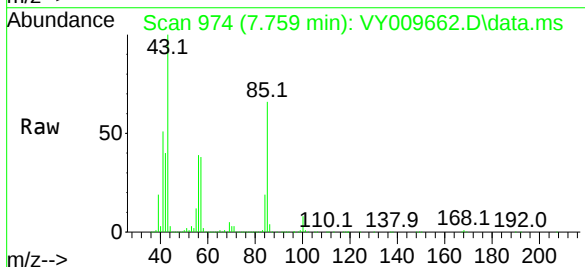
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

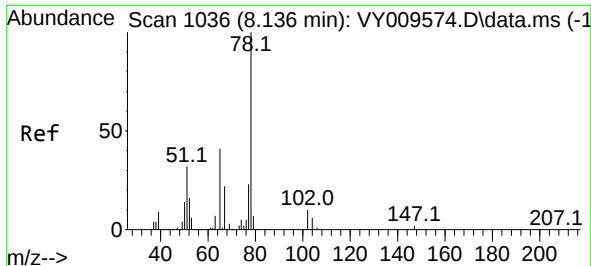
Tgt Ion: 43 Resp: 57370
Ion Ratio Lower Upper
43 100
72 2.9 17.7 26.5#



#31
Cyclohexane
Concen: 976.151 ug/l
RT: 7.759 min Scan# 974
Delta R.T. -0.012 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion: 56 Resp: 1971728
Ion Ratio Lower Upper
56 100
69 11.1 26.7 40.1#
84 49.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 43.592 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009662.D

Acq: 22 Jul 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

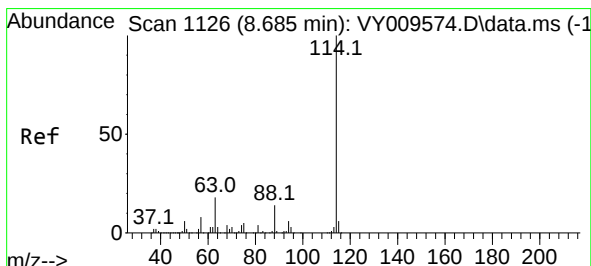
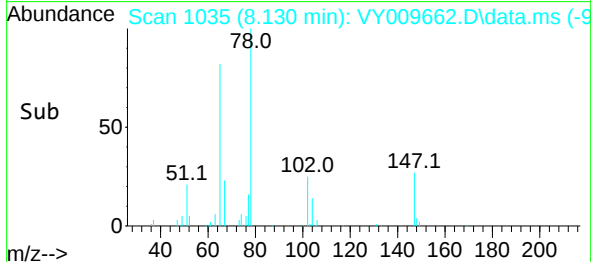
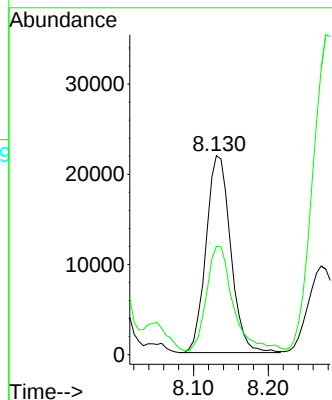
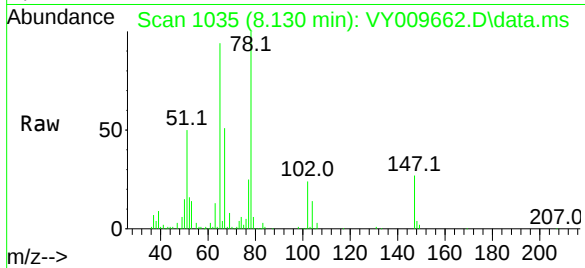
IBLK

Tgt Ion: 65 Resp: 49936

Ion Ratio Lower Upper

65 100

67 57.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009662.D

Acq: 22 Jul 2022 16:12

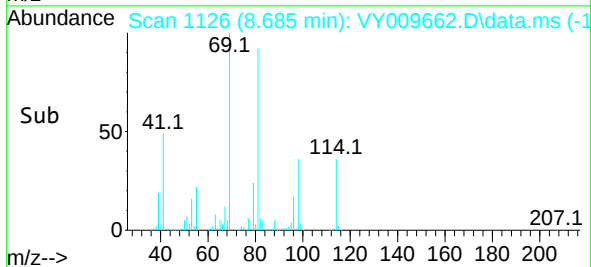
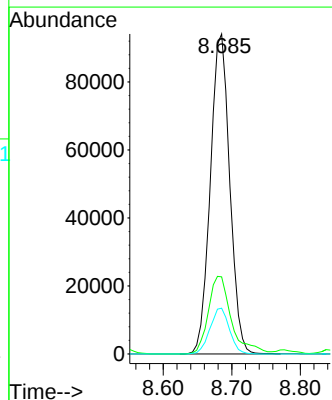
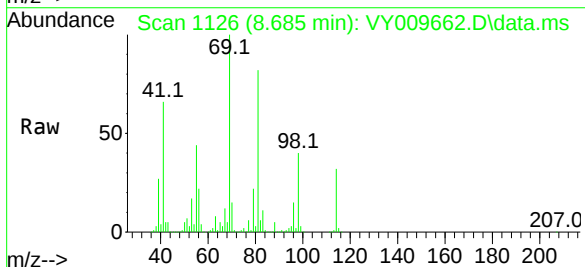
Tgt Ion:114 Resp: 185141

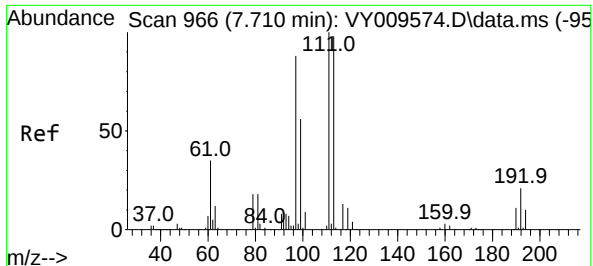
Ion Ratio Lower Upper

114 100

63 24.1 0.0 43.2

88 14.3 0.0 31.8

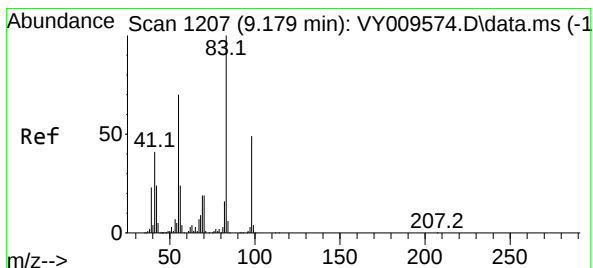
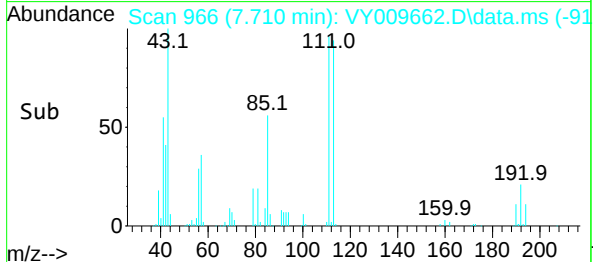
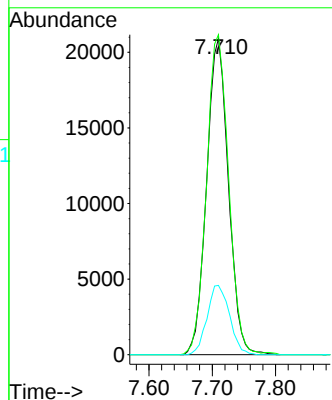
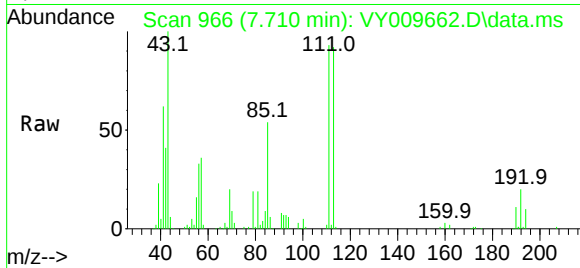




#35
Dibromofluoromethane
Concen: 42.916 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

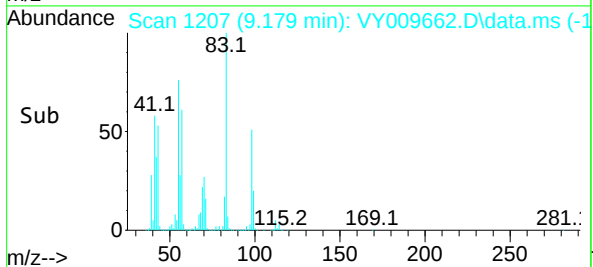
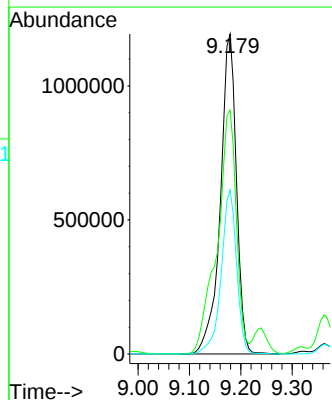
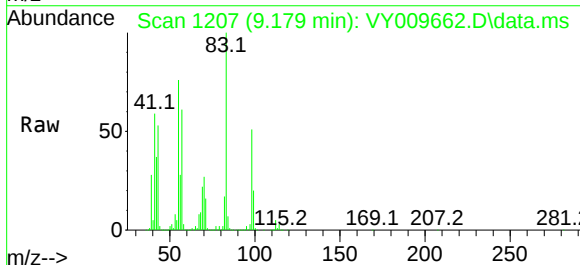
Instrument :
MSVOA_Y
ClientSampleId :
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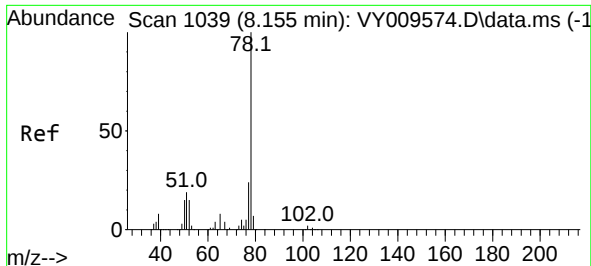
Tgt Ion:113 Resp: 50056
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 22.6 17.6 26.4



#39
Methylcyclohexane
Concen: 1220.330 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion: 83 Resp: 2593503
Ion Ratio Lower Upper
83 100
55 76.1 66.5 99.7
98 51.3 37.9 56.9

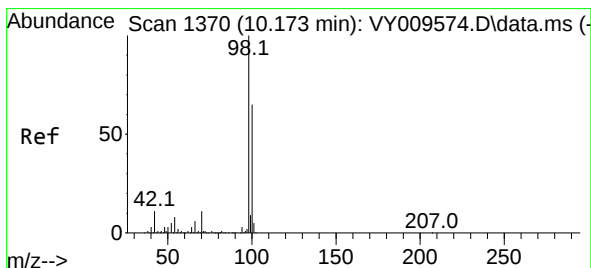
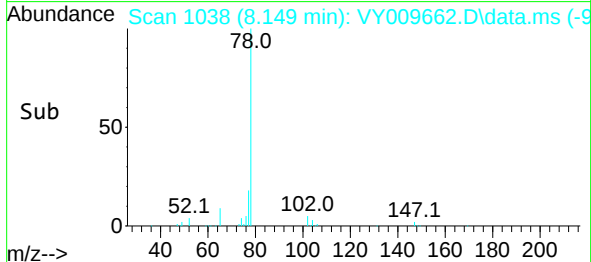
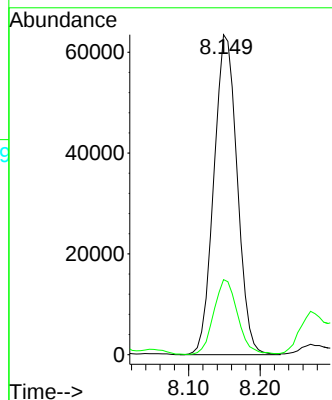
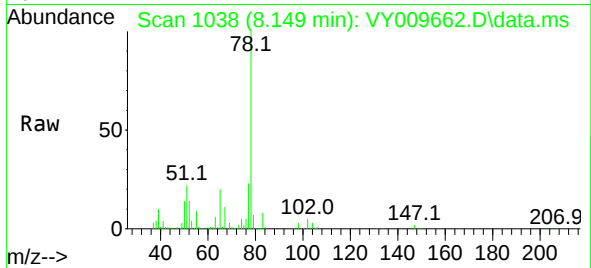




#40
Benzene
Concen: 28.535 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

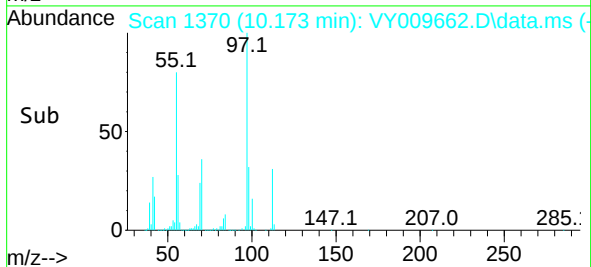
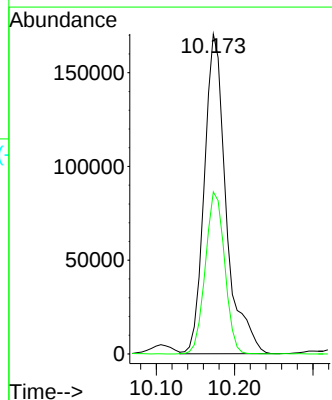
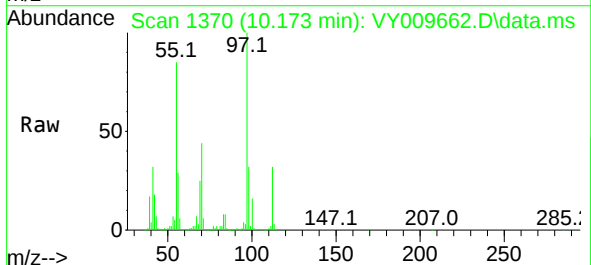
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

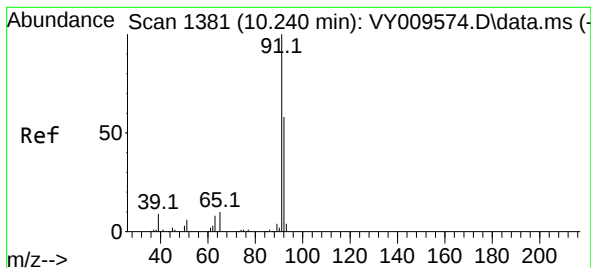
Tgt Ion: 78 Resp: 143915
Ion Ratio Lower Upper
78 100
77 23.2 20.4 30.6



#50
Toluene-d8
Concen: 73.414 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion: 98 Resp: 329180
Ion Ratio Lower Upper
98 100
100 45.0 50.2 75.2#





#52

Toluene

Concen: 10.506 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY009662.D

Acq: 22 Jul 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

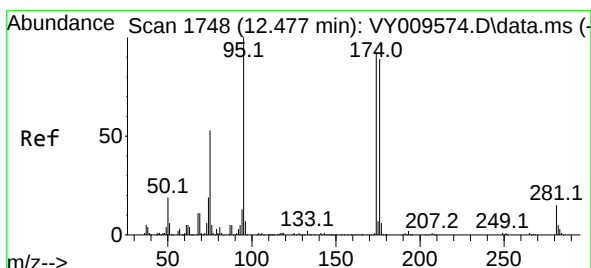
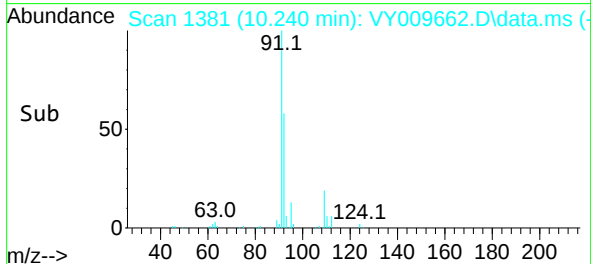
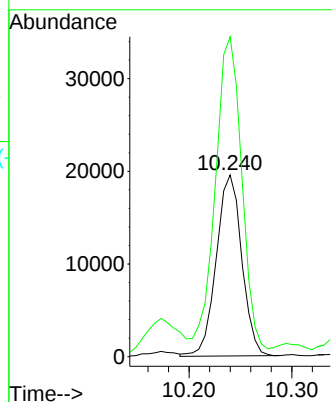
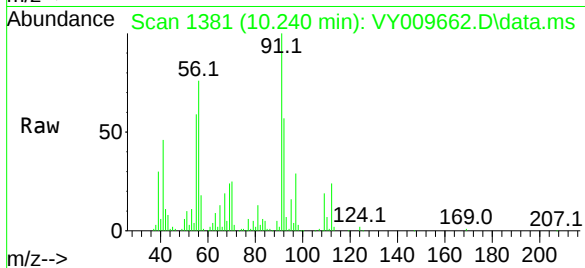
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Tgt Ion: 92 Resp: 33564

Ion Ratio Lower Upper

92 100

91 178.1 142.6 213.8



#62

4-Bromofluorobenzene

Concen: 71.207 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009662.D

Acq: 22 Jul 2022 16:12

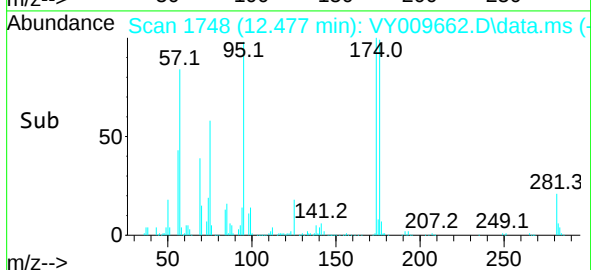
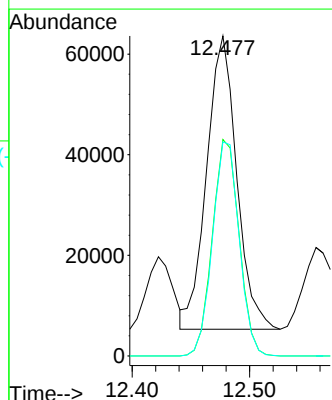
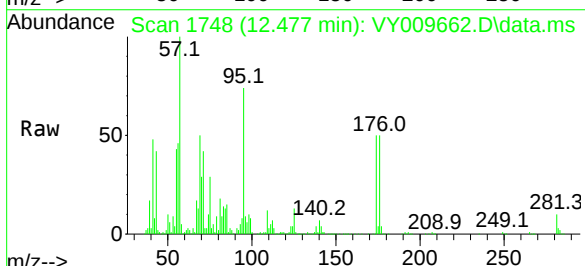
Tgt Ion: 95 Resp: 103459

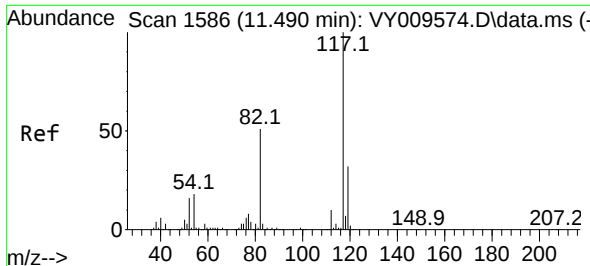
Ion Ratio Lower Upper

95 100

174 65.6 0.0 177.0

176 64.8 0.0 175.8

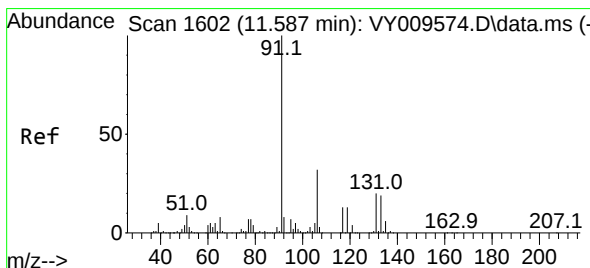
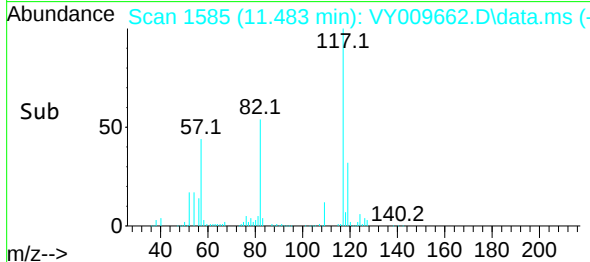
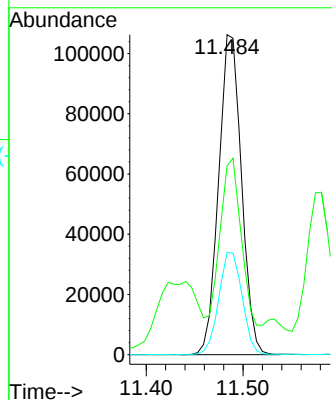
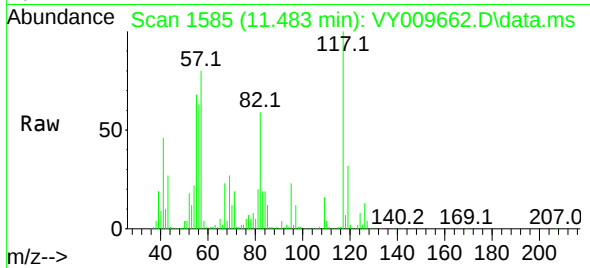




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

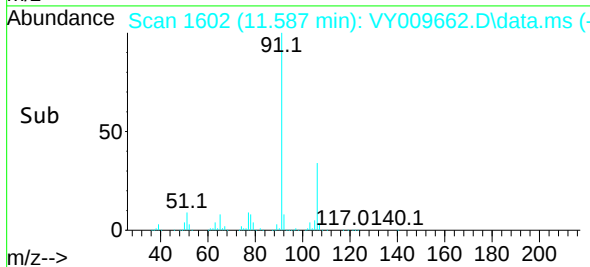
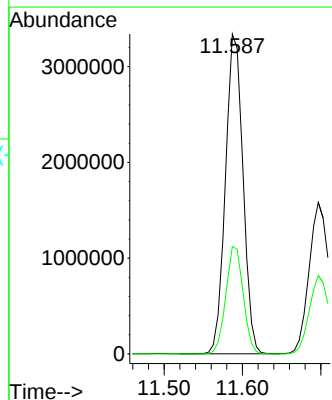
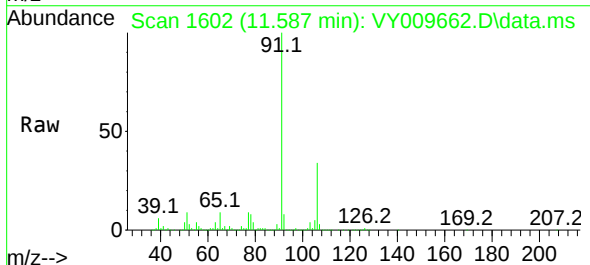
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

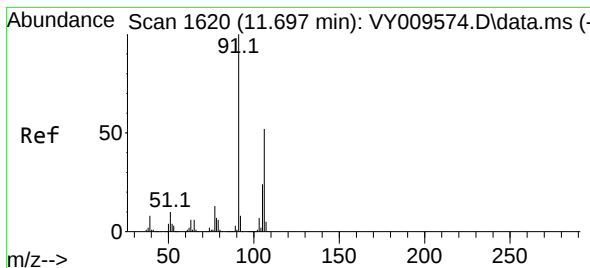
Tgt Ion:117 Resp: 174206
Ion Ratio Lower Upper
117 100
82 49.7 43.0 64.4
119 31.9 25.4 38.0



#67
Ethyl Benzene
Concen: 832.100 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion: 91 Resp: 5209805
Ion Ratio Lower Upper
91 100
106 33.6 24.5 36.7

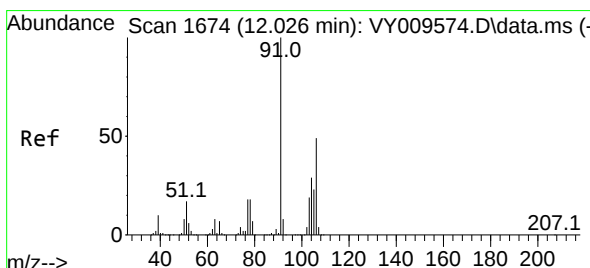
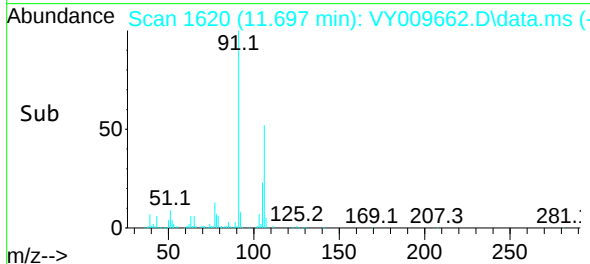
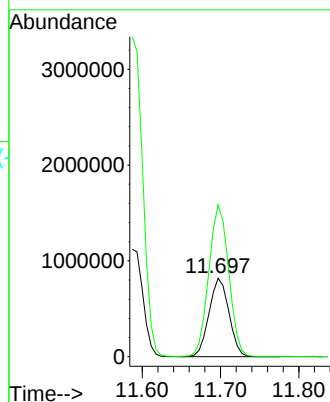
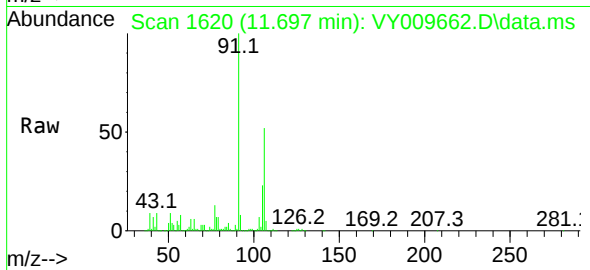




#68
m/p-Xylenes
Concen: 576.997 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

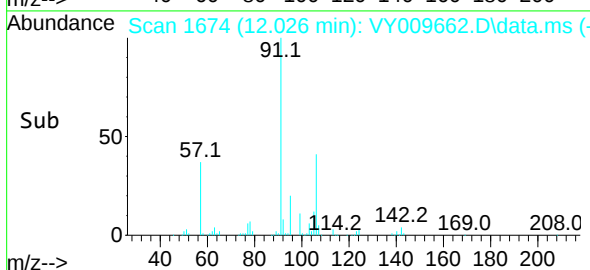
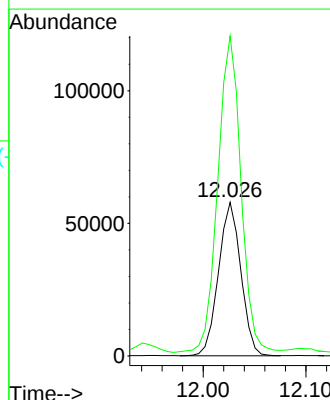
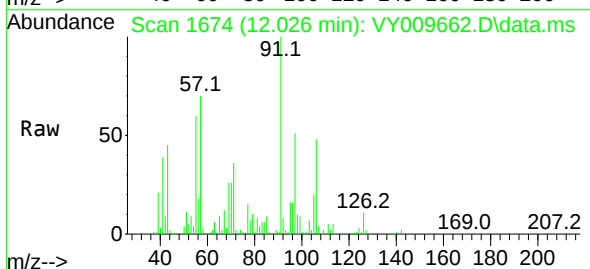
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

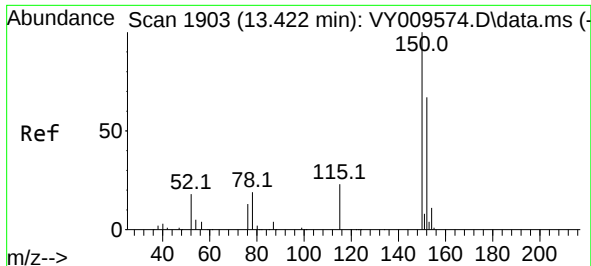
Tgt Ion:106 Resp: 1437743
Ion Ratio Lower Upper
106 100
91 194.1 166.6 249.8



#69
o-Xylene
Concen: 37.410 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion:106 Resp: 87233
Ion Ratio Lower Upper
106 100
91 213.7 110.3 331.0

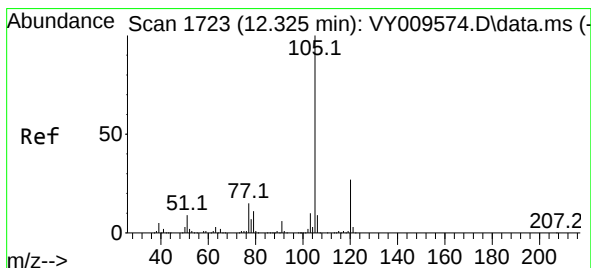
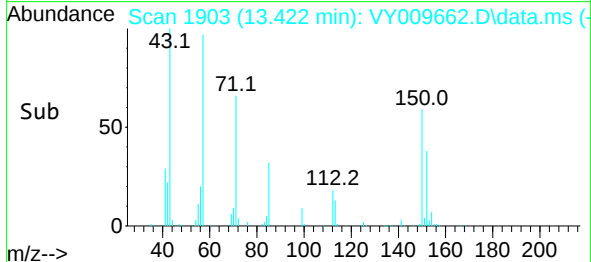
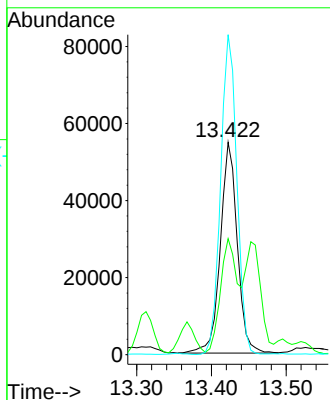
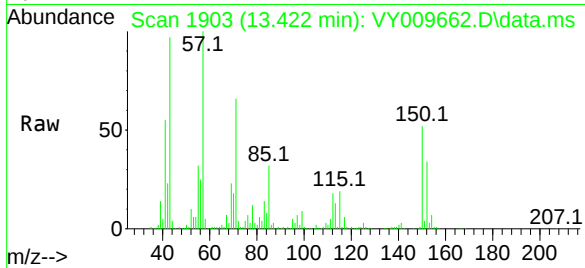




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

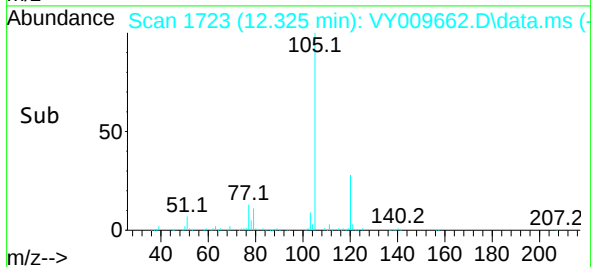
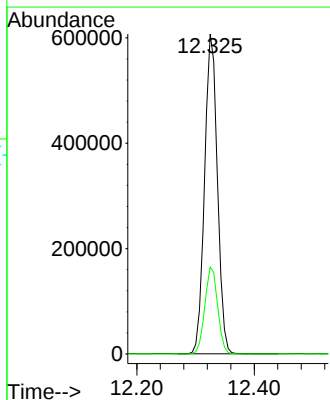
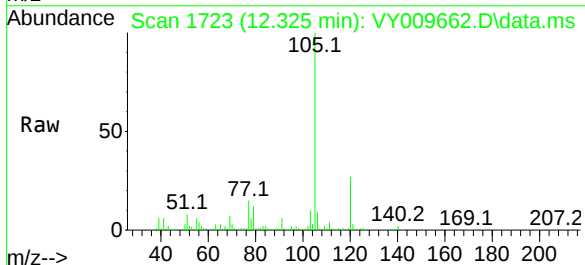
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

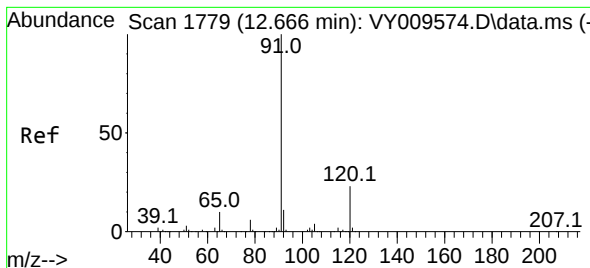
Tgt Ion:152 Resp: 86312
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 144.9 0.0 347.6



#73
Isopropylbenzene
Concen: 153.731 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion:105 Resp: 918692
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2





#78

n-propylbenzene

Concen: 586.438 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY009662.D

Acq: 22 Jul 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

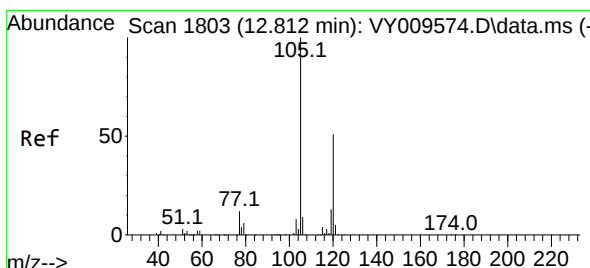
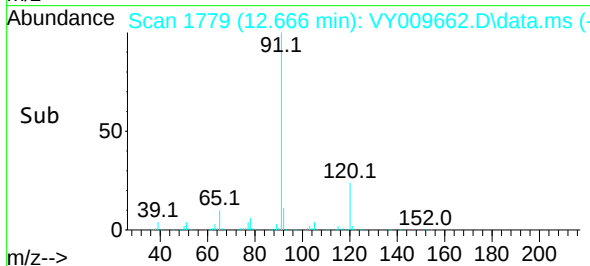
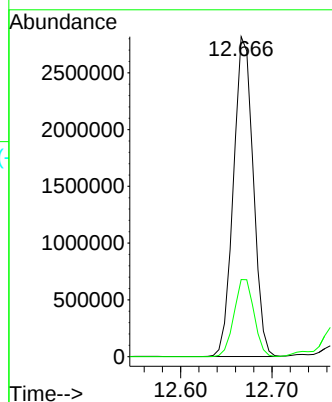
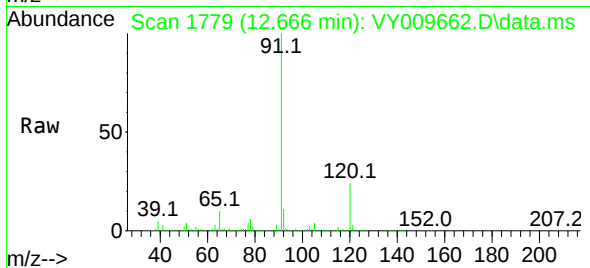
IBLK

Tgt Ion: 91 Resp: 4234696

Ion Ratio Lower Upper

91 100

120 24.4 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 331.760 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY009662.D

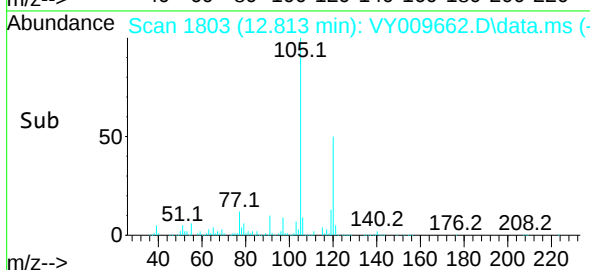
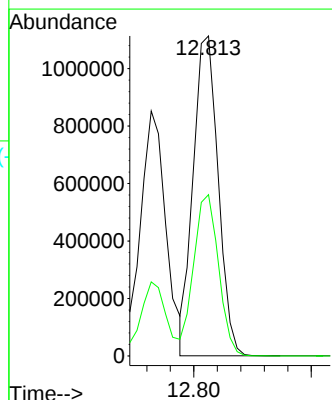
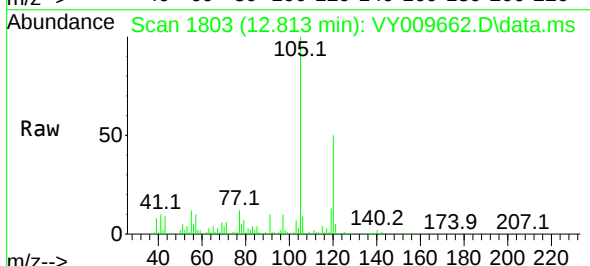
Acq: 22 Jul 2022 16:12

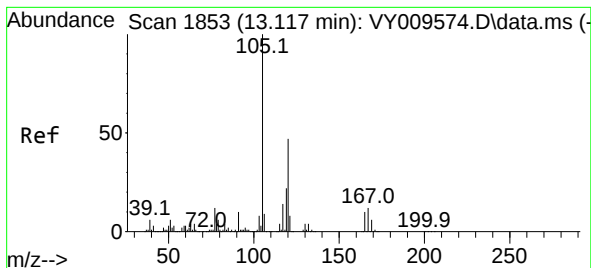
Tgt Ion:105 Resp: 1638234

Ion Ratio Lower Upper

105 100

120 50.3 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 438.192 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY009662.D

Acq: 22 Jul 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

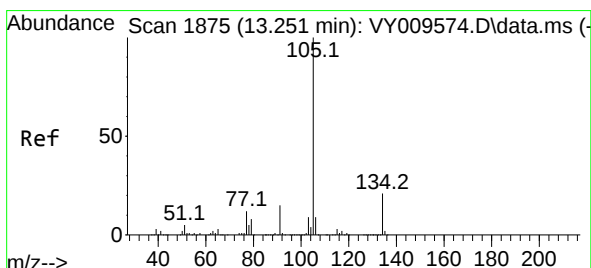
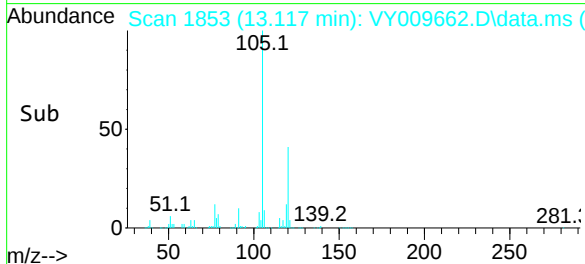
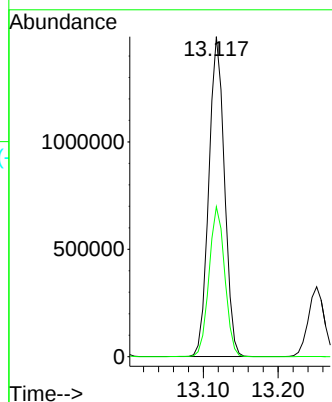
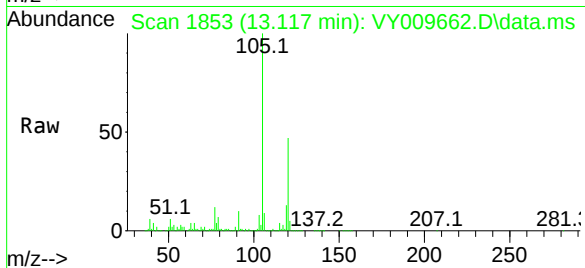
IBLK

Tgt Ion:105 Resp: 2163979

Ion Ratio Lower Upper

105 100

120 47.1 22.3 66.9



#85

sec-Butylbenzene

Concen: 74.434 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY009662.D

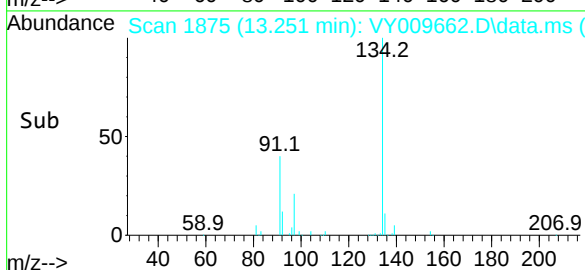
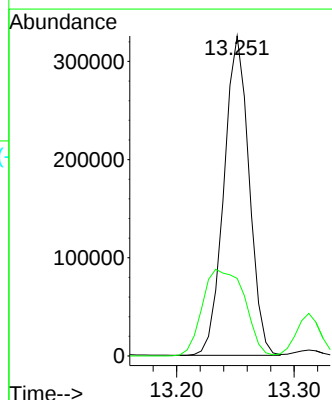
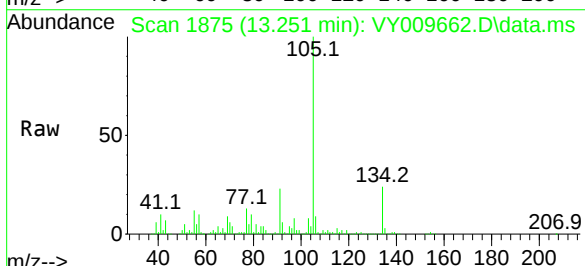
Acq: 22 Jul 2022 16:12

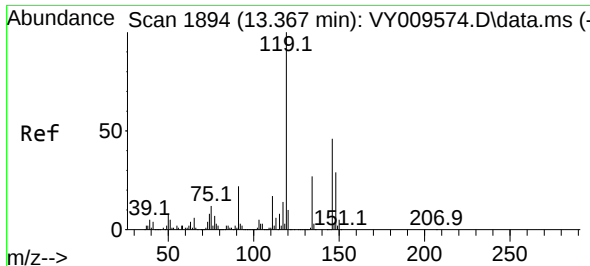
Tgt Ion:105 Resp: 484155

Ion Ratio Lower Upper

105 100

134 45.3 10.2 30.4#

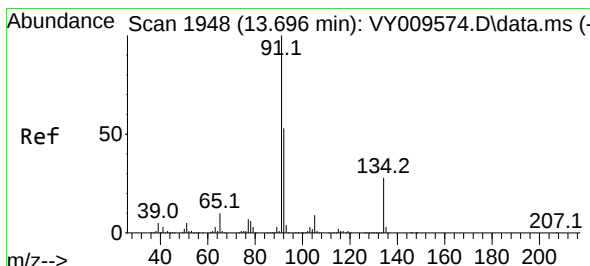
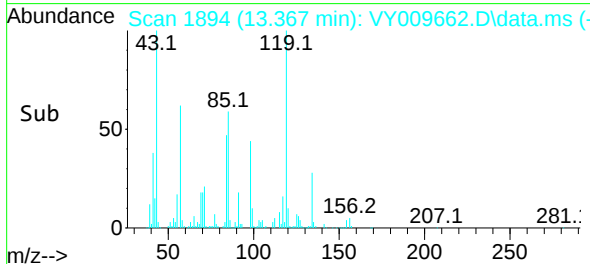
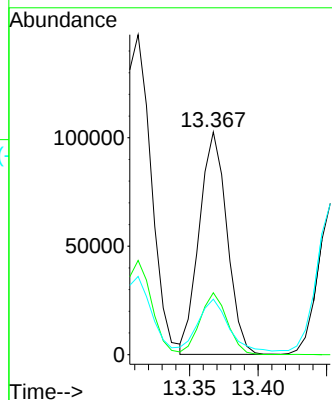
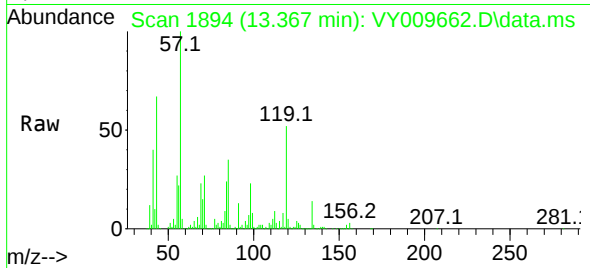




#86
p-Isopropyltoluene
Concen: 26.428 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

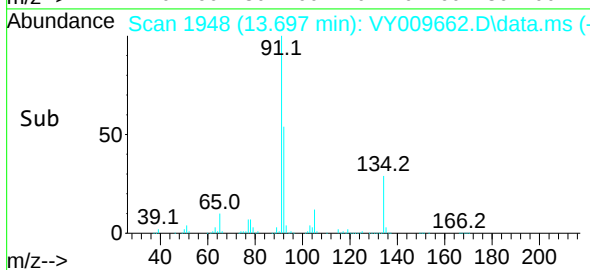
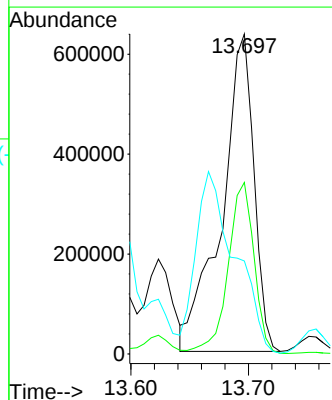
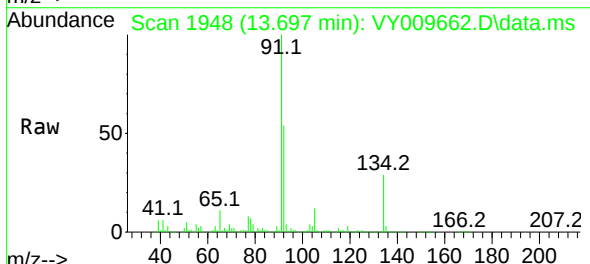
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

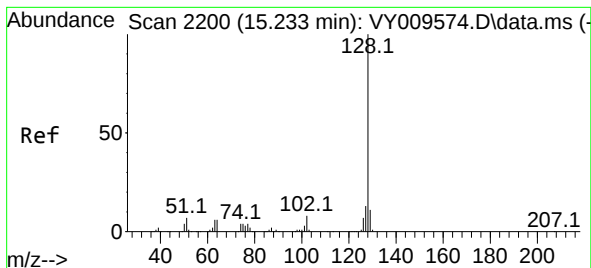
Tgt Ion:119 Resp: 144461
Ion Ratio Lower Upper
119 100
134 27.1 13.2 39.5
91 24.8 12.4 37.2



#89
n-Butylbenzene
Concen: 241.743 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY009662.D
Acq: 22 Jul 2022 16:12

Tgt Ion: 91 Resp: 1206845
Ion Ratio Lower Upper
91 100
92 43.6 26.3 78.9
134 0.0 13.0 38.9#





#95

Naphthalene

Concen: 464.570 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY009662.D

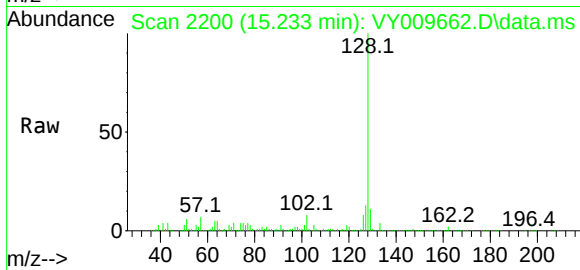
Acq: 22 Jul 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

IBLK



Tgt Ion:128 Resp: 1445712

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.4

129 11.3 8.4 12.6

