

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011340.D
 Acq On : 07 Nov 2022 17:11
 Operator : KP/MD
 Sample : N5378-01
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-20221028-5.0-6.0

Quant Time: Nov 08 03:30:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	265316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	451852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	159890	56.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.700%
35) Dibromofluoromethane	7.710	113	157202	54.149	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.300%
50) Toluene-d8	10.179	98	546142	48.453	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.477	95	160996	41.143	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.280%

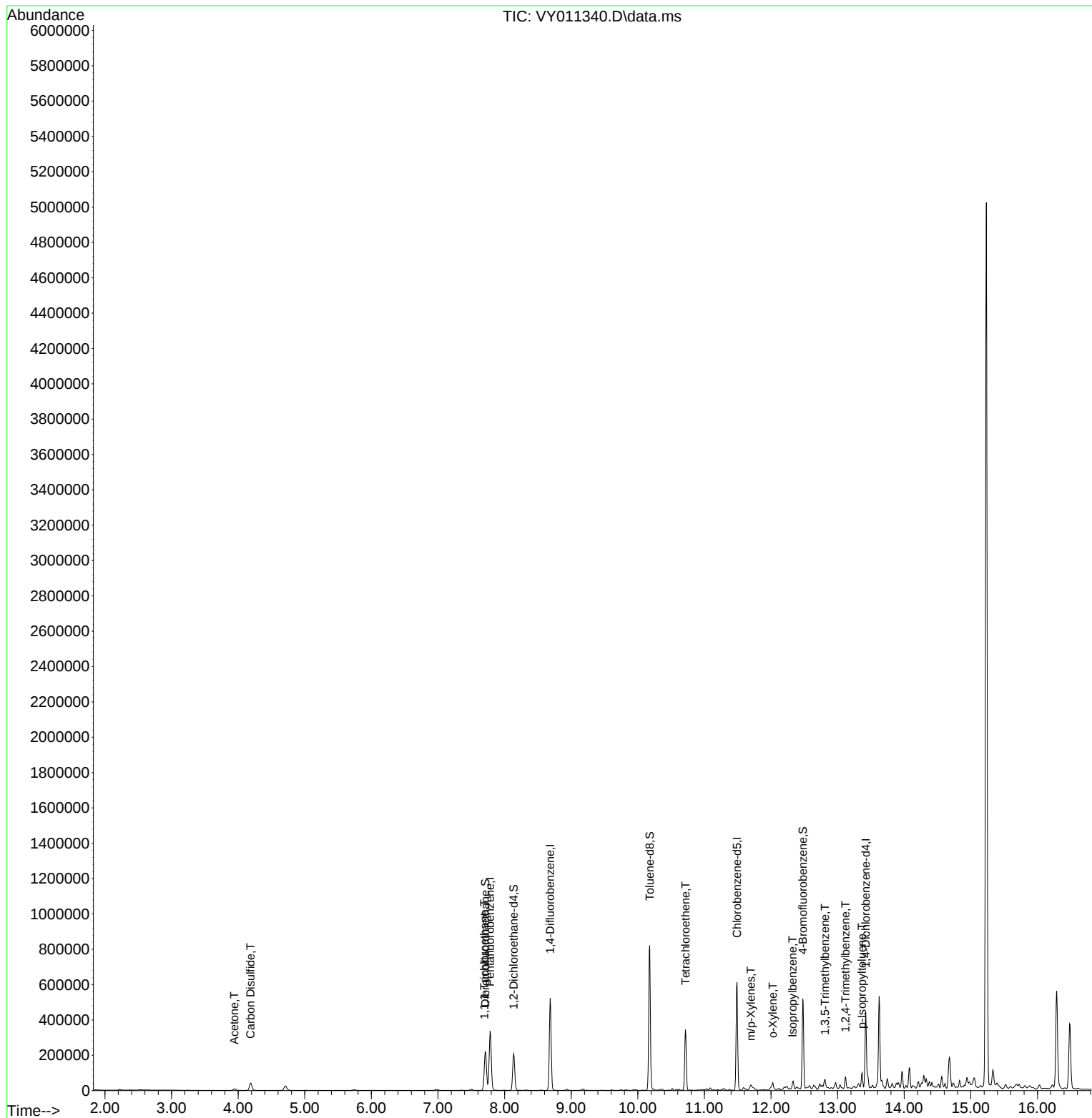
Target Compounds						Qvalue
16) Acetone	3.942	43	15773	18.415	ug/l	91
17) Carbon Disulfide	4.186	76	89610	9.454	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	8044	1.582	ug/l	94
64) Tetrachloroethene	10.715	164	77588	25.925	ug/l	97
68) m/p-Xylenes	11.697	106	7815	1.460	ug/l	96
69) o-Xylene	12.026	106	9375	1.869	ug/l	93
73) Isopropylbenzene	12.325	105	12596	1.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	11339	1.567	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	36429	5.090	ug/l	97
86) p-Isopropyltoluene	13.367	119	46442	6.027	ug/l	97

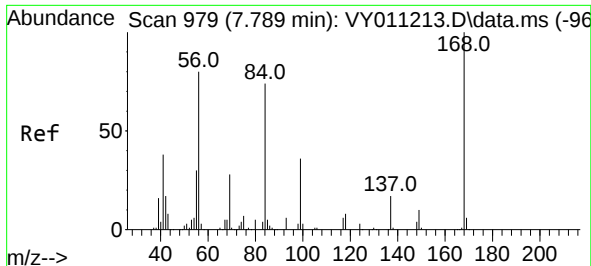
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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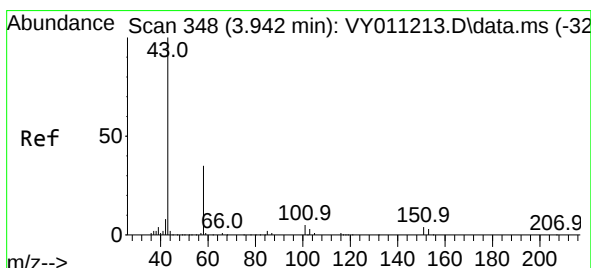
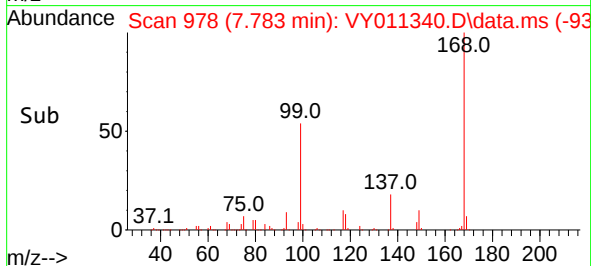
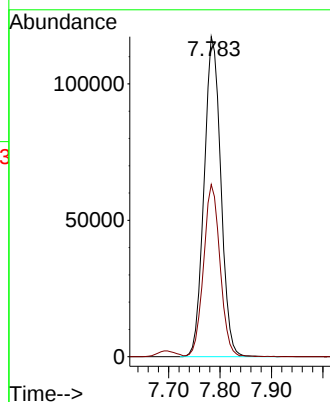
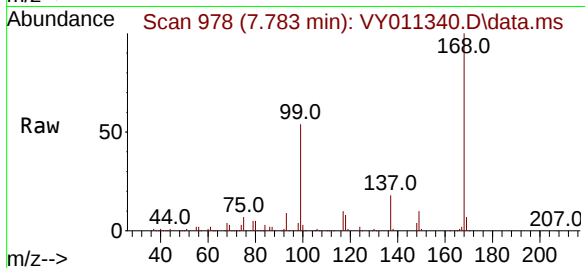




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

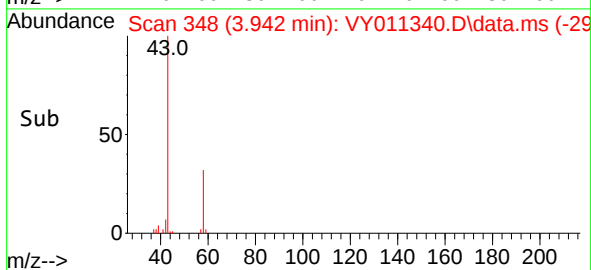
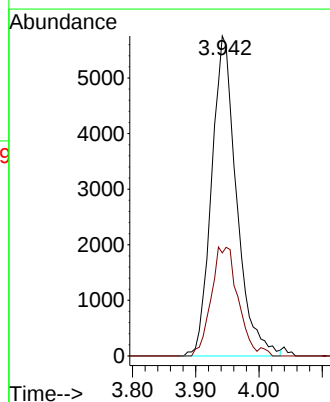
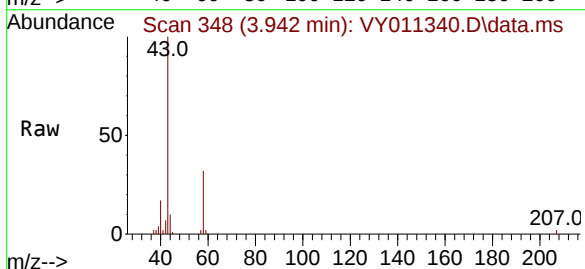
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

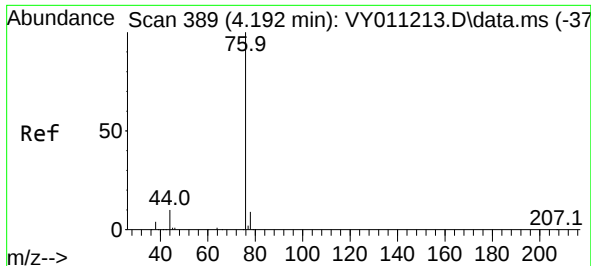
Tgt Ion:168 Resp: 265316
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#16
Acetone
Concen: 18.415 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 43 Resp: 15773
Ion Ratio Lower Upper
43 100
58 32.2 22.0 33.0

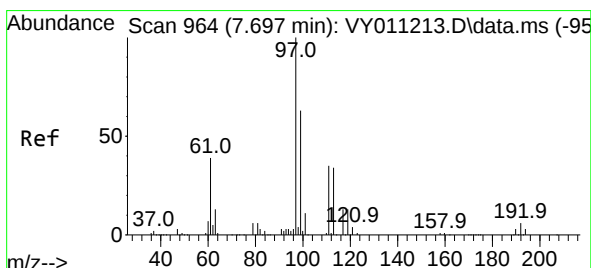
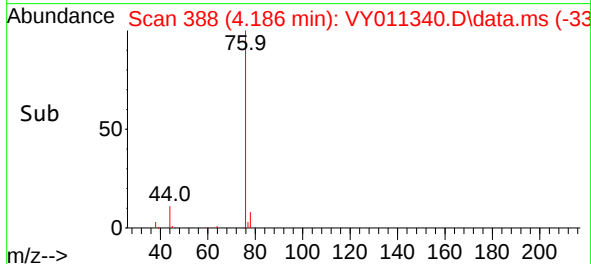
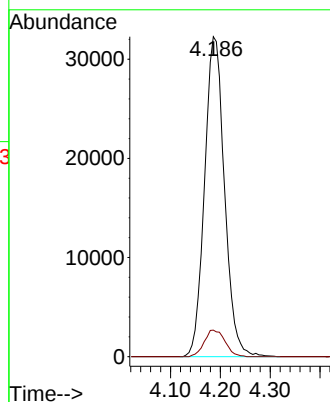
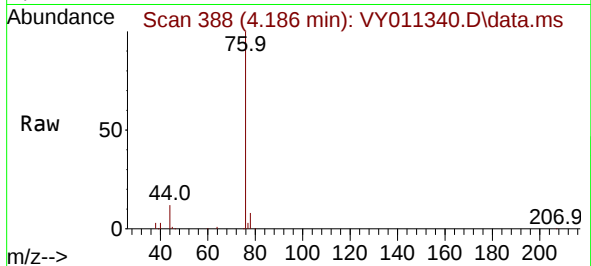




#17
Carbon Disulfide
Concen: 9.454 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

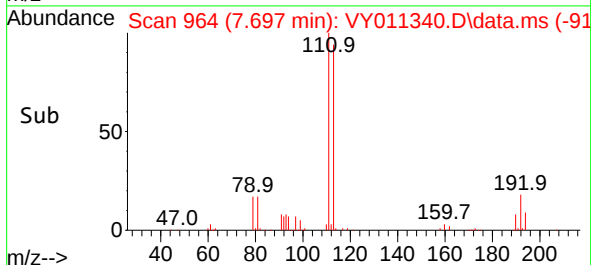
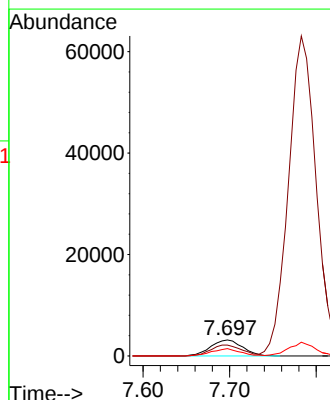
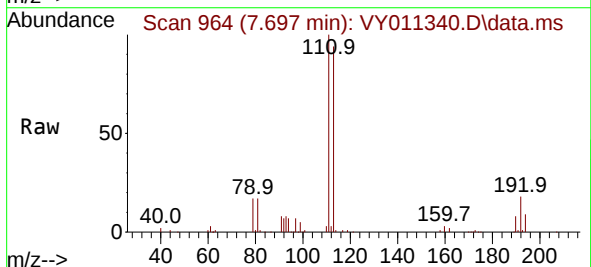
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

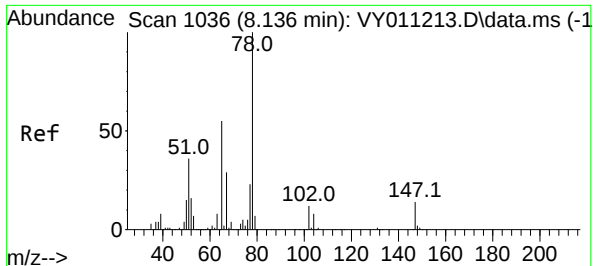
Tgt Ion: 76 Resp: 89610
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#32
1,1,1-Trichloroethane
Concen: 1.582 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.001 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 97 Resp: 8044
Ion Ratio Lower Upper
97 100
99 67.4 50.7 76.1
61 41.5 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 56.348 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011340.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_Y

ClientSampleId :

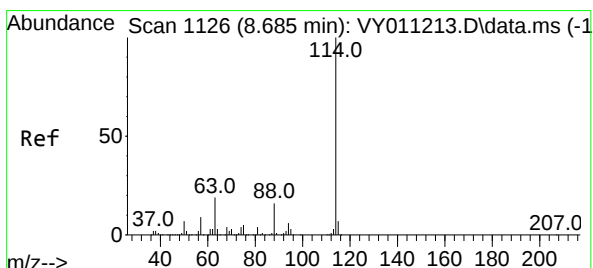
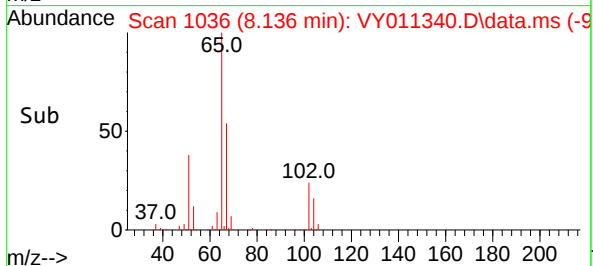
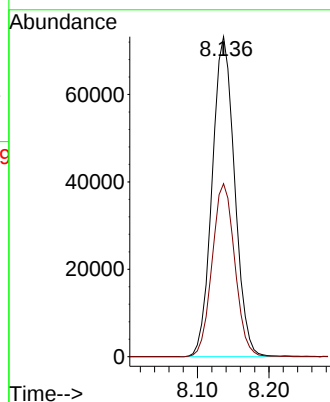
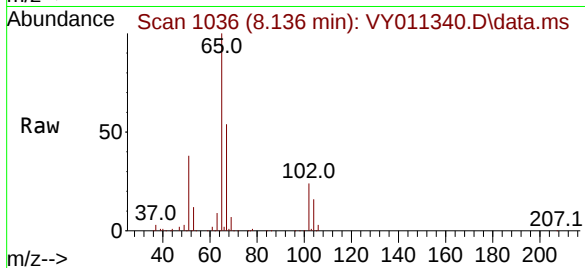
SB-16-20221028-5.0-6.0

Tgt Ion: 65 Resp: 159890

Ion Ratio Lower Upper

65 100

67 54.5 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: VY011340.D

Acq: 07 Nov 2022 17:11

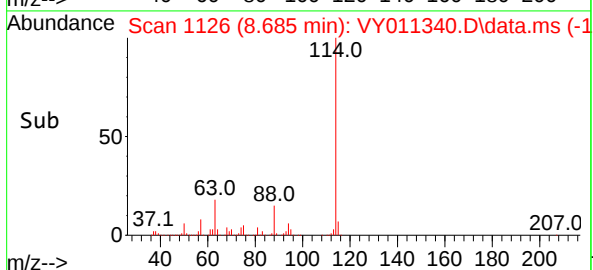
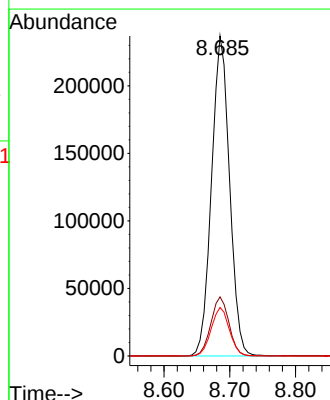
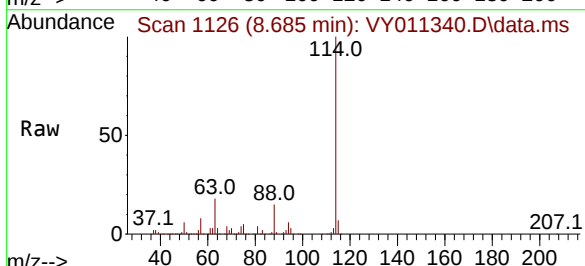
Tgt Ion: 114 Resp: 451852

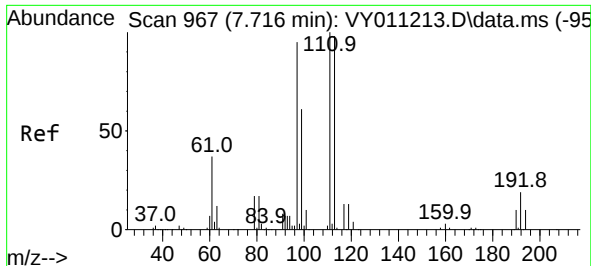
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.1 0.0 31.8

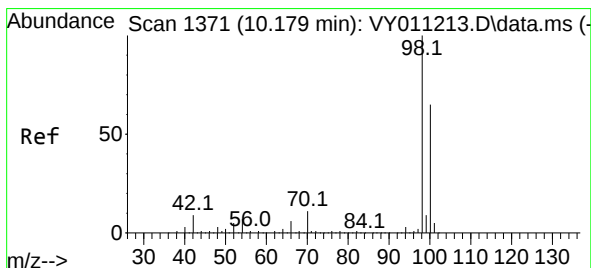
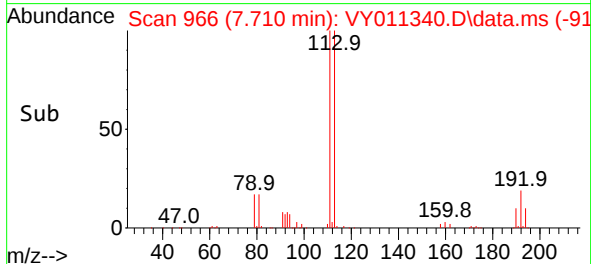
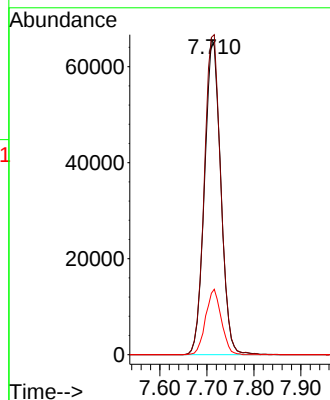
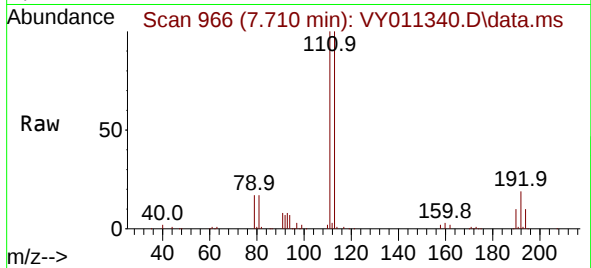




#35
Dibromofluoromethane
Concen: 54.149 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

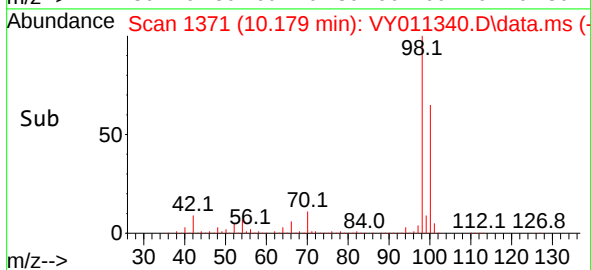
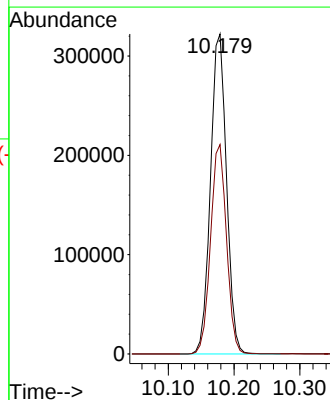
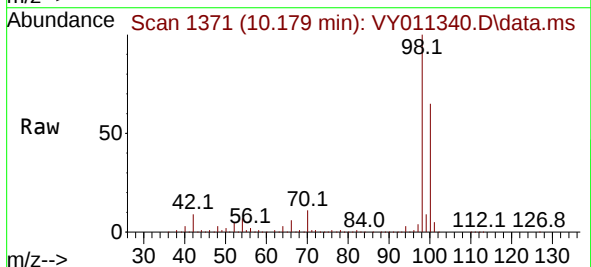
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

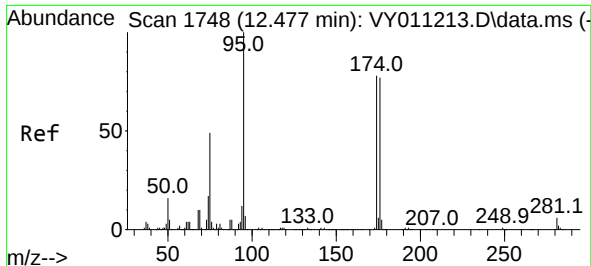
Tgt Ion:113 Resp: 157202
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 20.1 17.6 26.4



#50
Toluene-d8
Concen: 48.453 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 98 Resp: 546142
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

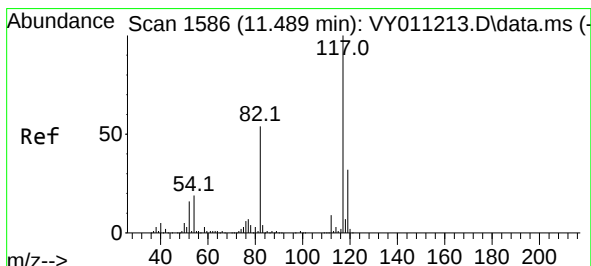
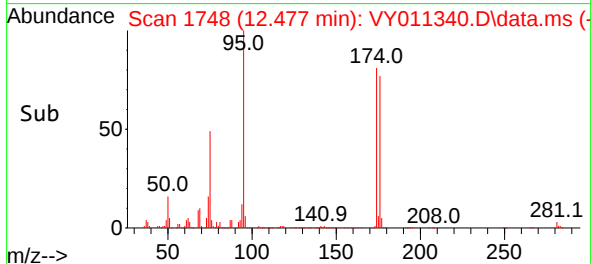
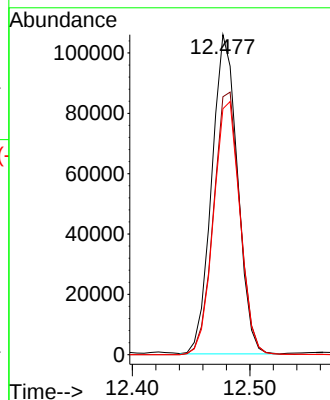
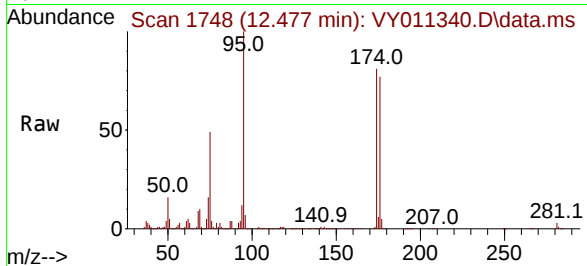




#62
4-Bromofluorobenzene
Concen: 41.143 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

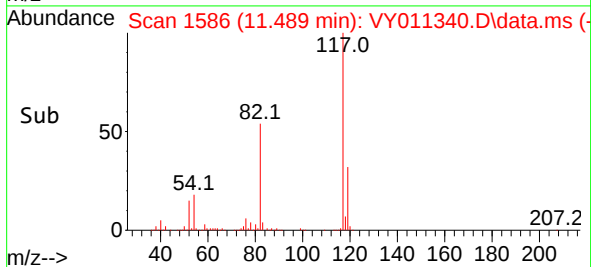
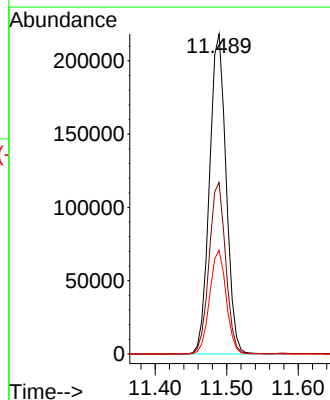
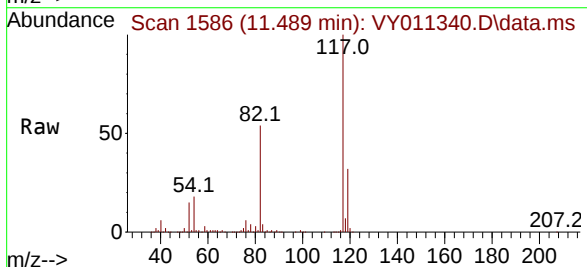
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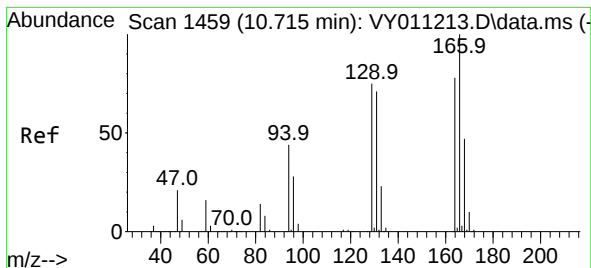
Tgt Ion: 95 Resp: 160996
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 81.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 117 Resp: 352331
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.4 25.4 38.0





#64

Tetrachloroethene

Concen: 25.925 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY011340.D

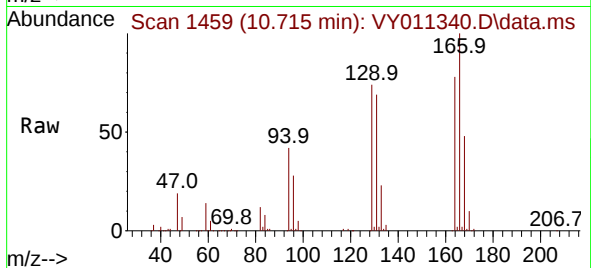
Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_Y

ClientSampleId :

SB-16-20221028-5.0-6.0



Tgt Ion:164 Resp: 77588

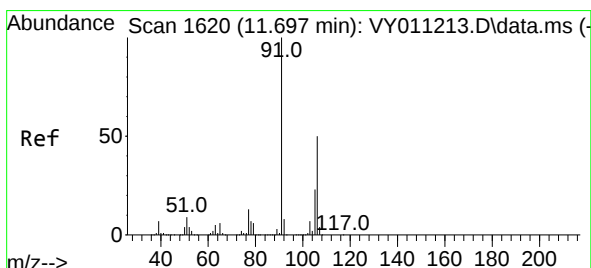
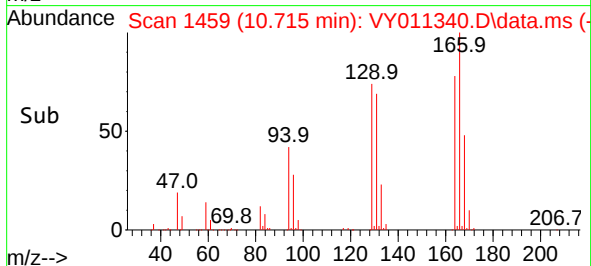
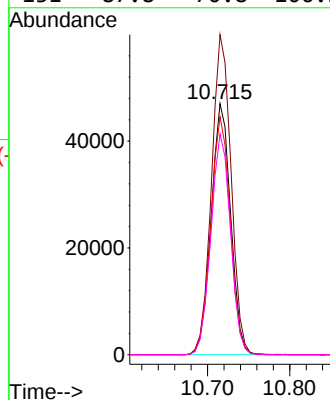
Ion Ratio Lower Upper

164 100

166 127.5 100.4 150.6

129 94.8 71.4 107.0

131 87.8 70.8 106.2



#68

m/p-Xylenes

Concen: 1.460 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY011340.D

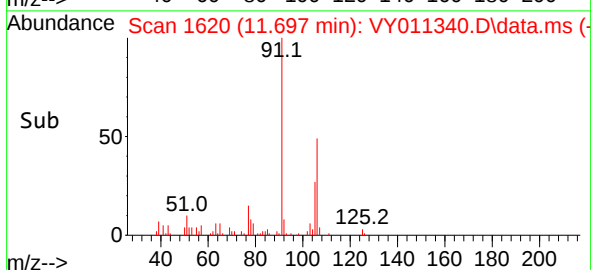
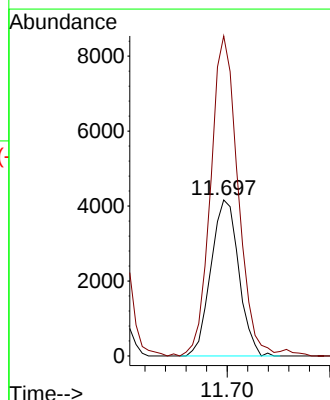
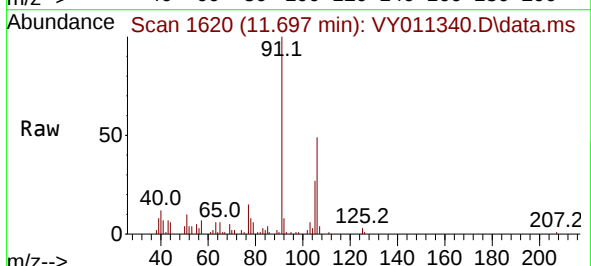
Acq: 07 Nov 2022 17:11

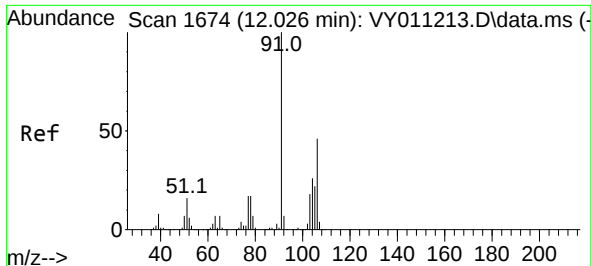
Tgt Ion:106 Resp: 7815

Ion Ratio Lower Upper

106 100

91 201.4 166.6 249.8

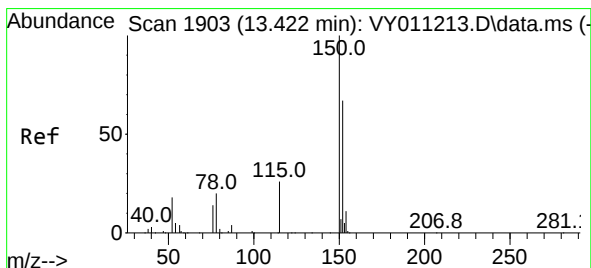
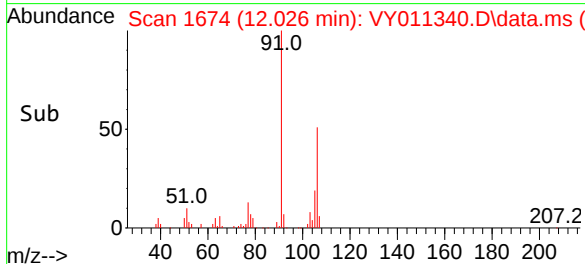
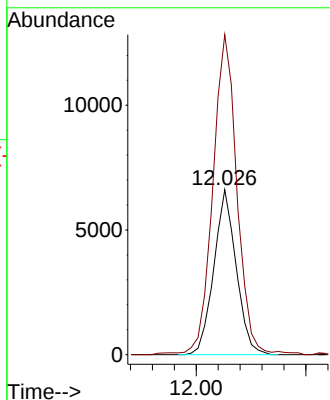
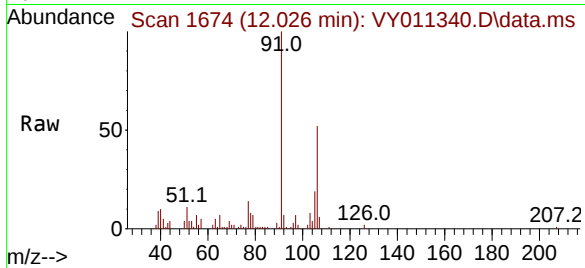




#69
o-Xylene
Concen: 1.869 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

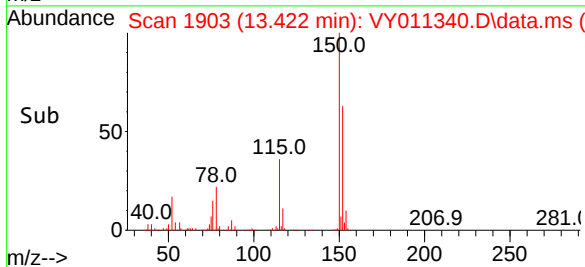
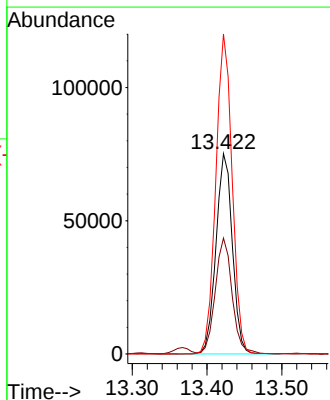
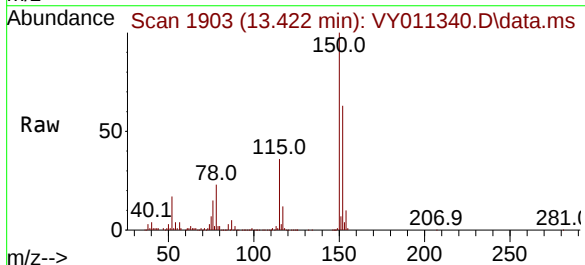
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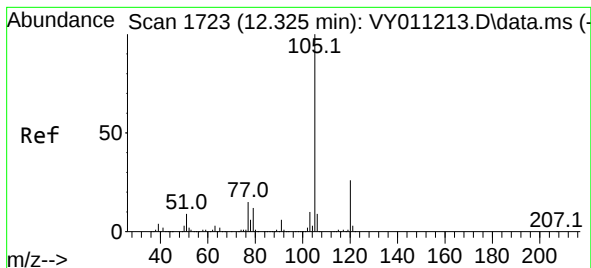
Tgt Ion:106 Resp: 9375
Ion Ratio Lower Upper
106 100
91 209.9 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:152 Resp: 114373
Ion Ratio Lower Upper
152 100
115 59.2 28.2 84.7
150 159.2 0.0 347.6





#73

Isopropylbenzene

Concen: 1.473 ug/l

RT: 12.325 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011340.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_Y

ClientSampleId :

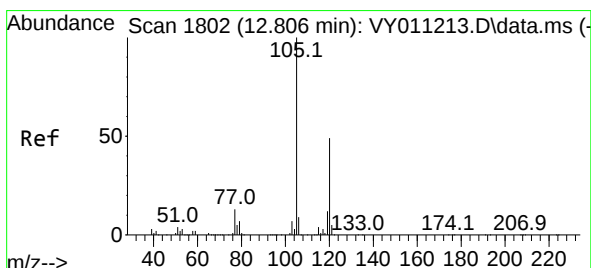
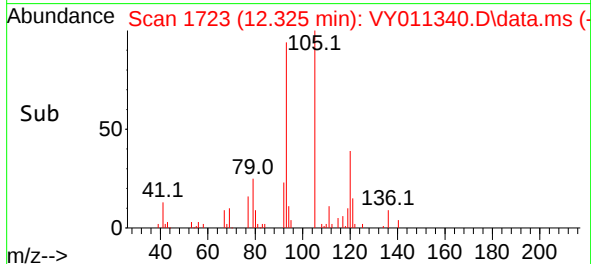
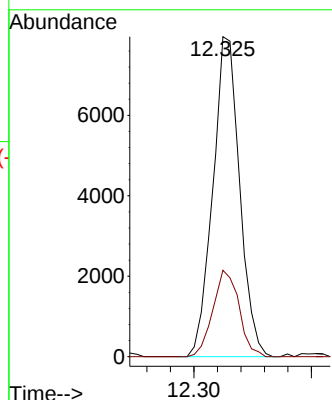
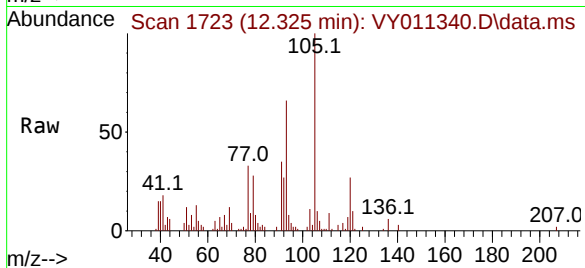
SB-16-20221028-5.0-6.0

Tgt Ion:105 Resp: 12596

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2



#80

1,3,5-Trimethylbenzene

Concen: 1.567 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY011340.D

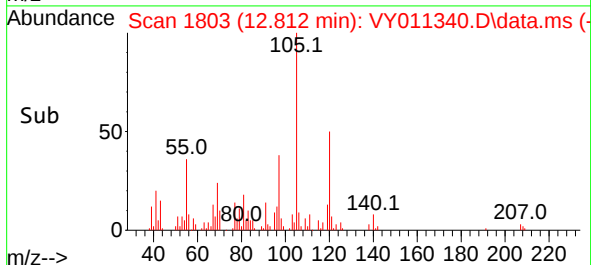
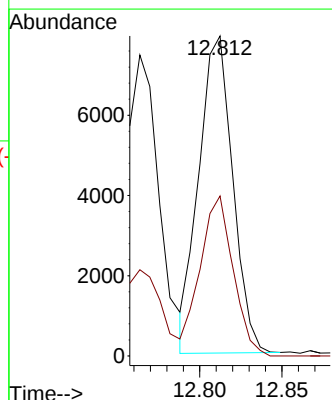
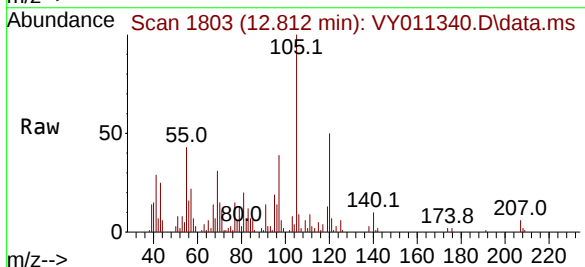
Acq: 07 Nov 2022 17:11

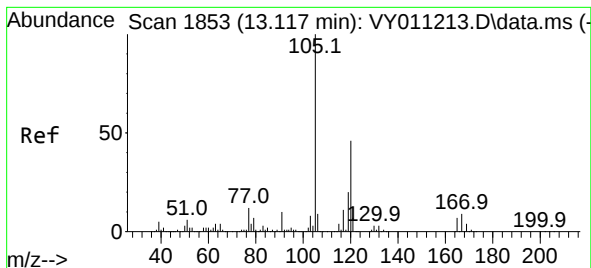
Tgt Ion:105 Resp: 11339

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 5.090 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY011340.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_Y

ClientSampleId :

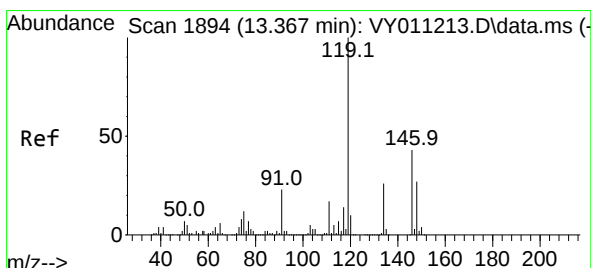
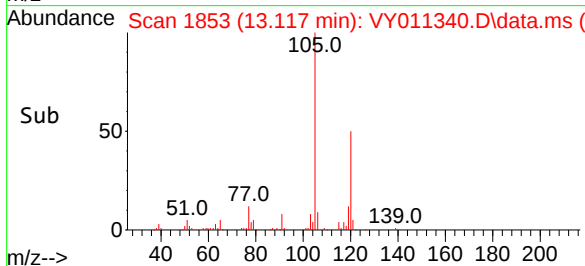
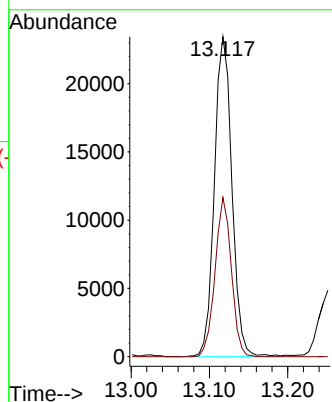
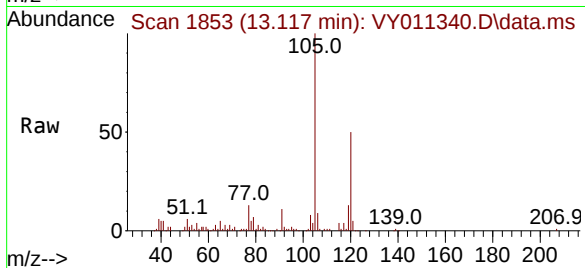
SB-16-20221028-5.0-6.0

Tgt Ion:105 Resp: 36429

Ion Ratio Lower Upper

105 100

120 46.3 22.3 66.9



#86

p-Isopropyltoluene

Concen: 6.027 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY011340.D

Acq: 07 Nov 2022 17:11

Tgt Ion:119 Resp: 46442

Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

91 23.0 12.4 37.2

