

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013886.D
 Acq On : 25 May 2023 20:17
 Operator : KP/MD
 Sample : 02941-03
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHOST-CLEANFILL-001

Quant Time: May 26 04:35:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

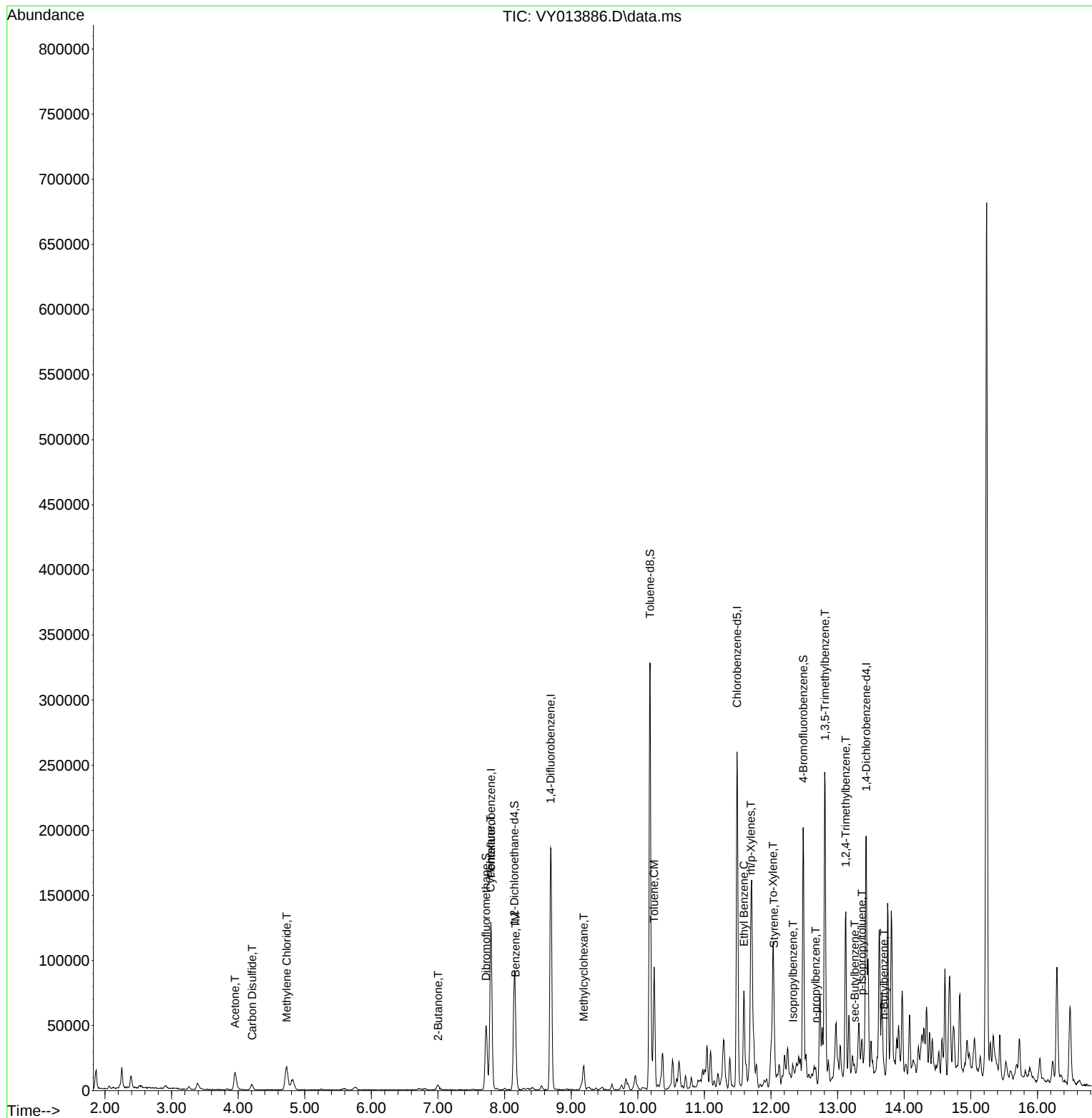
Internal Standards						
1) Pentafluorobenzene	7.795	168	96282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	156643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	42832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	69089	62.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.060%	
35) Dibromofluoromethane	7.722	113	34172	33.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 67.560%	
50) Toluene-d8	10.185	98	192543	50.079	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	12.483	95	50321	39.374	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.740%	
Target Compounds						Qvalue
16) Acetone	3.954	43	23564	71.276	ug/l	95
17) Carbon Disulfide	4.210	76	7851	2.793	ug/l #	90
20) Methylene Chloride	4.728	84	12597	8.646	ug/l #	90
25) 2-Butanone	7.002	43	5623	13.939	ug/l	92
31) Cyclohexane	7.789	56	3460	2.022	ug/l #	50
39) Methylcyclohexane	9.191	83	6354	3.521	ug/l #	91
40) Benzene	8.167	78	19481	4.402	ug/l	99
52) Toluene	10.246	92	35311	13.086	ug/l	97
67) Ethyl Benzene	11.593	91	45184	8.652	ug/l	99
68) m/p-Xylenes	11.697	106	34601	17.507	ug/l	96
69) o-Xylene	12.032	106	22579	12.128	ug/l	98
70) Styrene	12.044	104	14854	4.710	ug/l #	79
73) Isopropylbenzene	12.331	105	6311	1.980	ug/l	99
78) n-propylbenzene	12.672	91	8446	2.145	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	57569	21.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	66985	25.932	ug/l	99
85) sec-Butylbenzene	13.257	105	4148	1.218	ug/l	83
86) p-Isopropyltoluene	13.367	119	6059	2.153	ug/l	97
89) n-Butylbenzene	13.696	91	3105	1.151	ug/l #	58

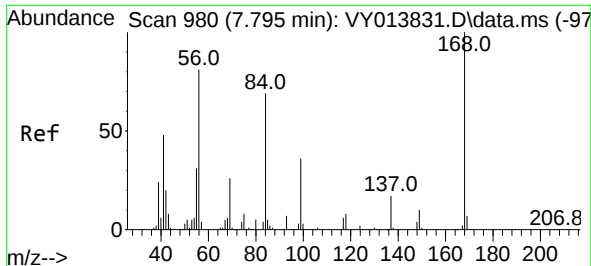
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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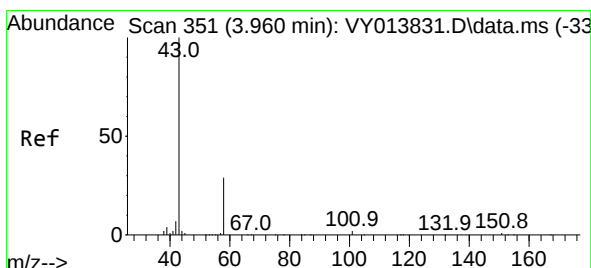
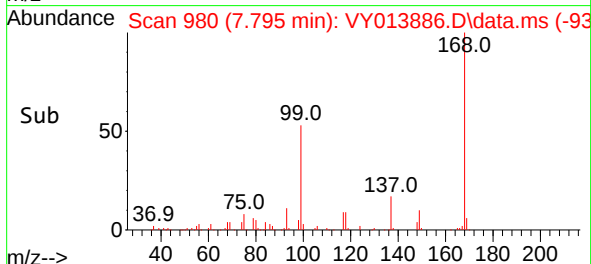
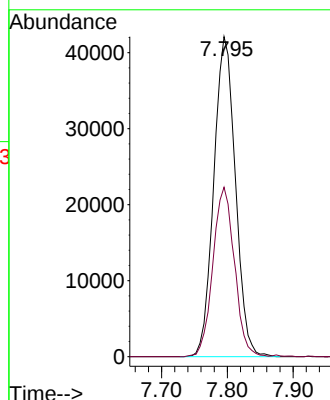
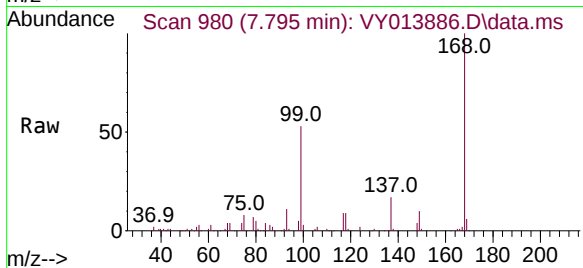




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

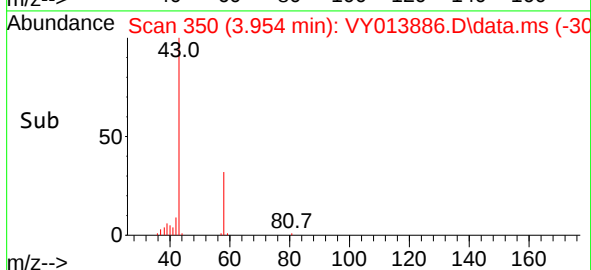
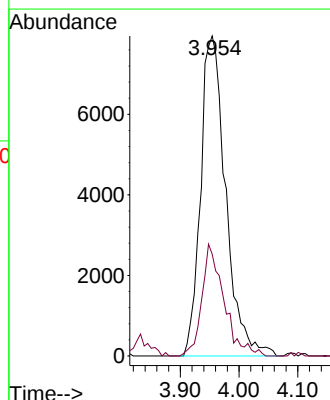
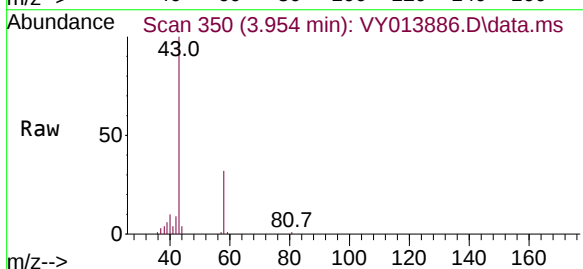
Instrument :
MSVOA_Y
ClientSampleId :
GHOST-CLEANFILL-001

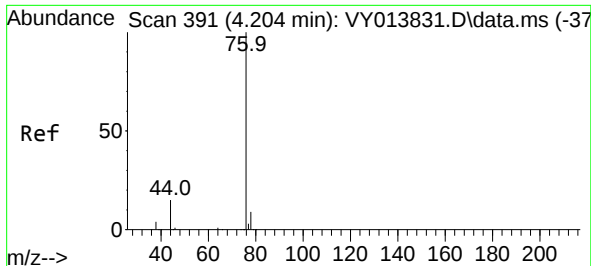
Tgt Ion:168 Resp: 96282
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.2



#16
Acetone
Concen: 71.276 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion: 43 Resp: 23564
Ion Ratio Lower Upper
43 100
58 31.8 23.3 34.9





#17

Carbon Disulfide

Concen: 2.793 ug/l

RT: 4.210 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

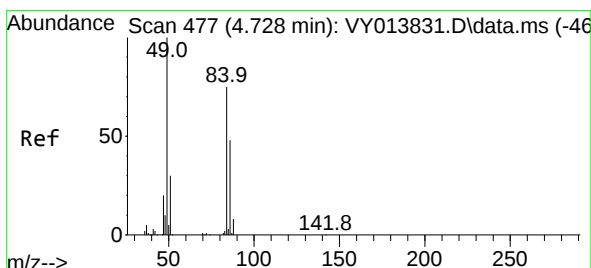
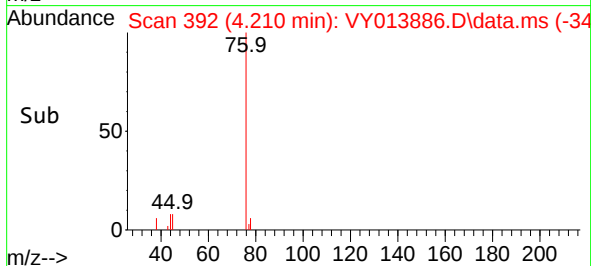
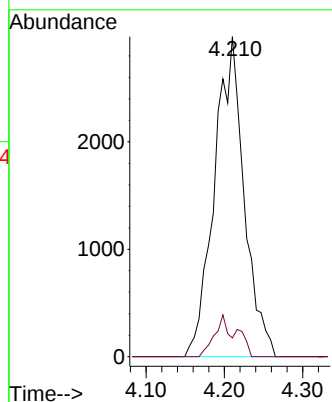
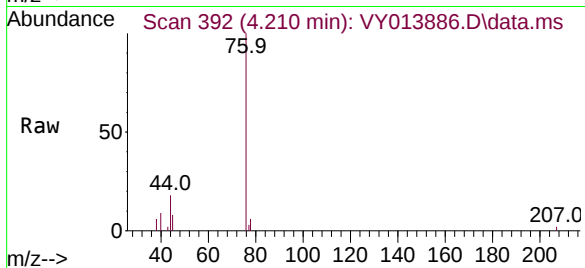
GHOST-CLEANFILL-001

Tgt Ion: 76 Resp: 7851

Ion Ratio Lower Upper

76 100

78 5.9 7.5 11.3#



#20

Methylene Chloride

Concen: 8.646 ug/l

RT: 4.728 min Scan# 477

Delta R.T. 0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Tgt Ion: 84 Resp: 12597

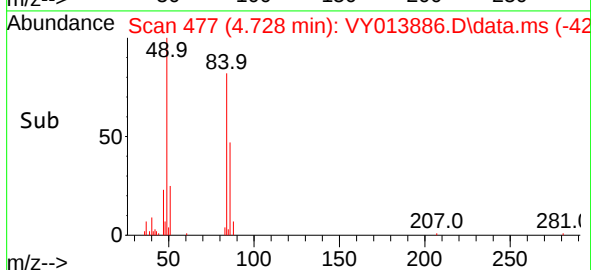
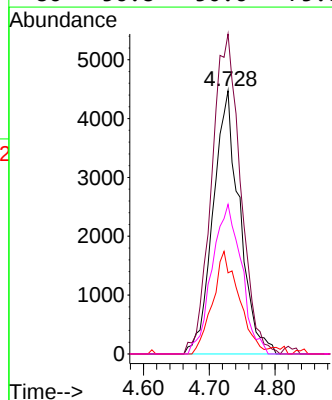
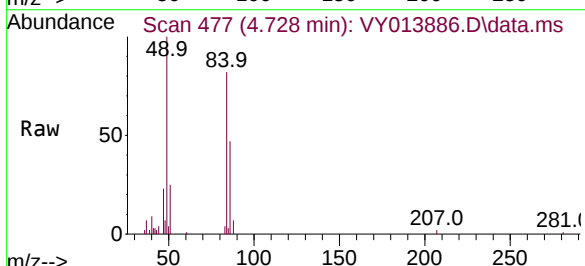
Ion Ratio Lower Upper

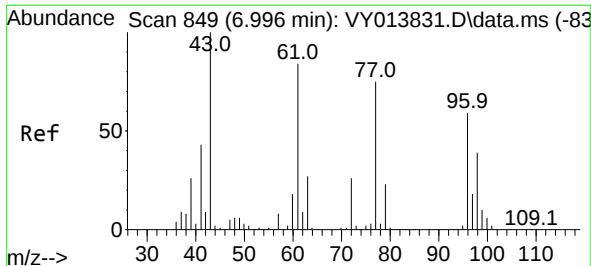
84 100

49 121.6 106.2 159.2

51 30.8 31.4 47.0#

86 56.8 50.6 75.8

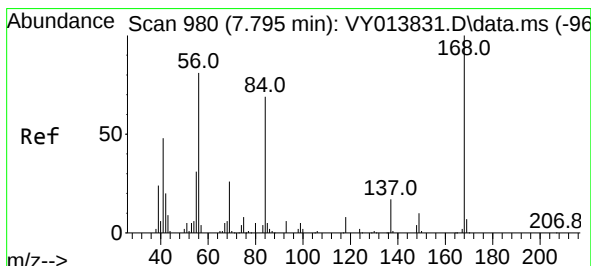
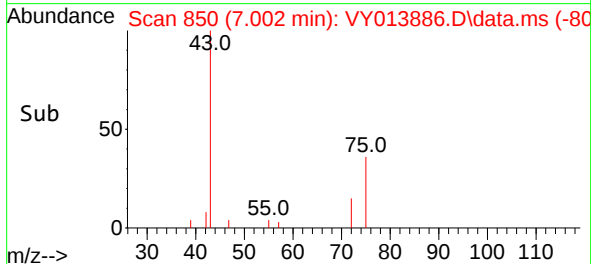
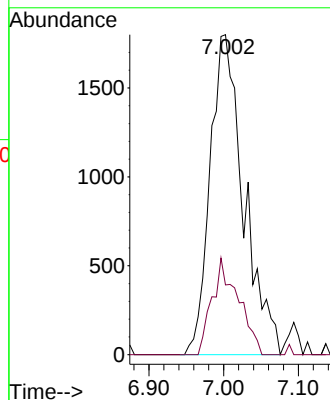
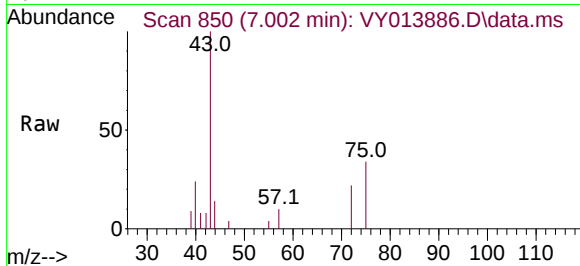




#25
2-Butanone
Concen: 13.939 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

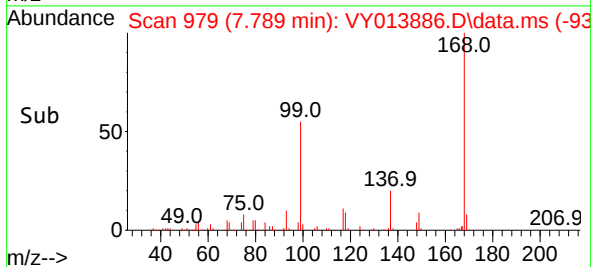
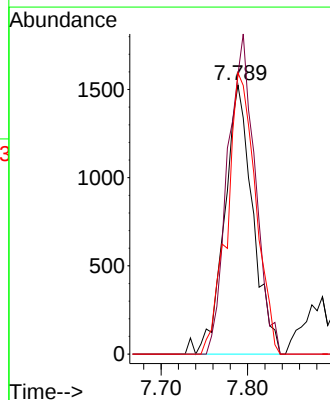
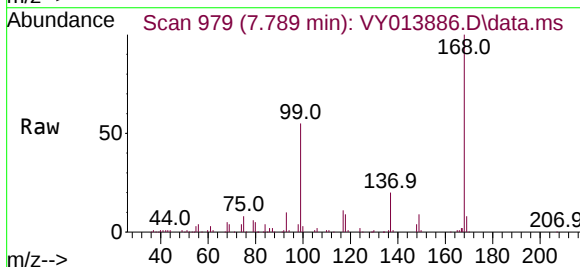
Instrument :
MSVOA_Y
ClientSampleId :
GHOST-CLEANFILL-001

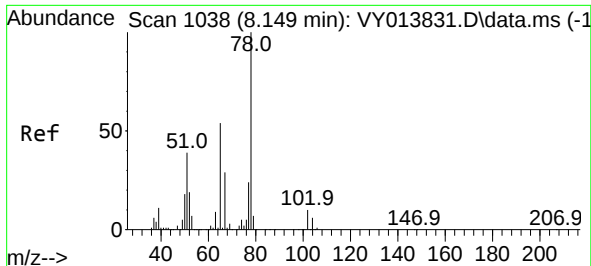
Tgt Ion: 43 Resp: 5623
Ion Ratio Lower Upper
43 100
72 21.8 20.5 30.7



#31
Cyclohexane
Concen: 2.022 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion: 56 Resp: 3460
Ion Ratio Lower Upper
56 100
69 103.9 25.8 38.8#
84 104.5 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 62.025 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

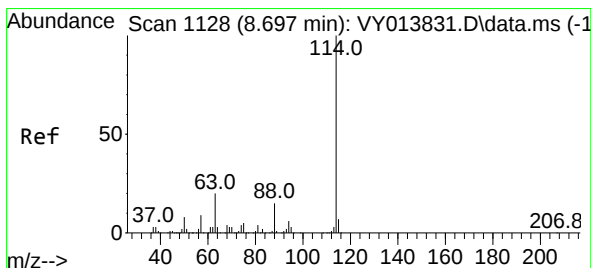
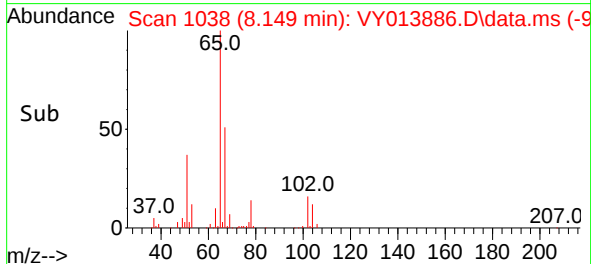
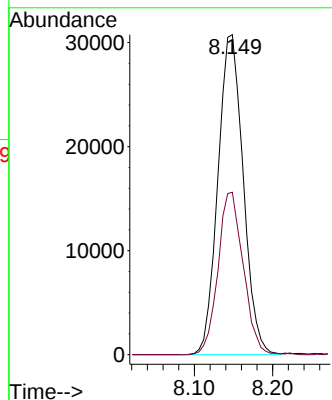
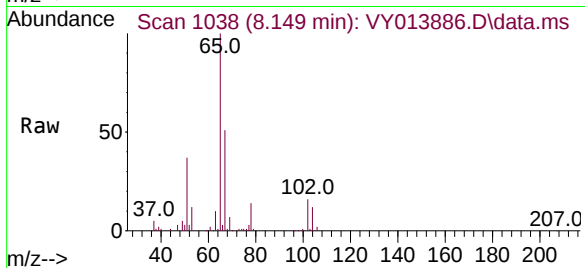
GHOST-CLEANFILL-001

Tgt Ion: 65 Resp: 69089

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

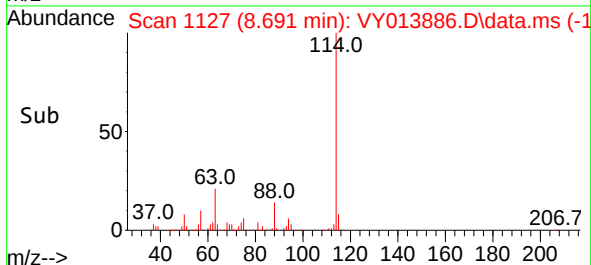
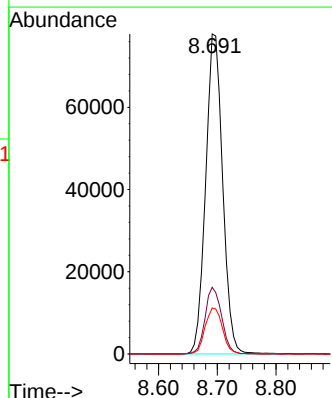
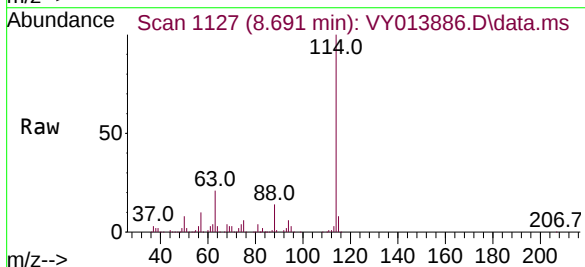
Tgt Ion: 114 Resp: 156643

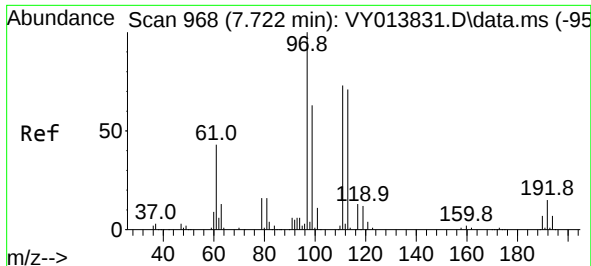
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 14.3 0.0 30.0

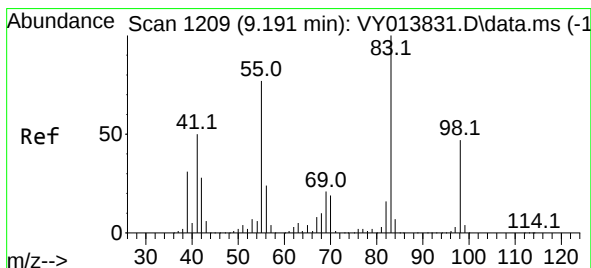
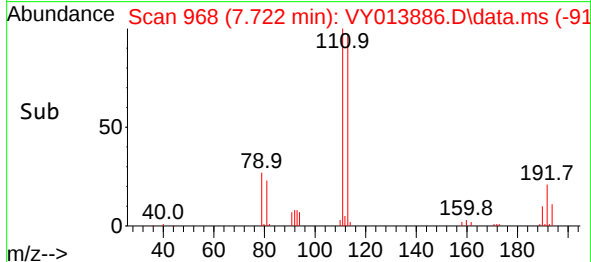
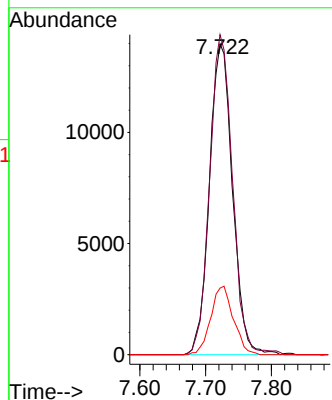
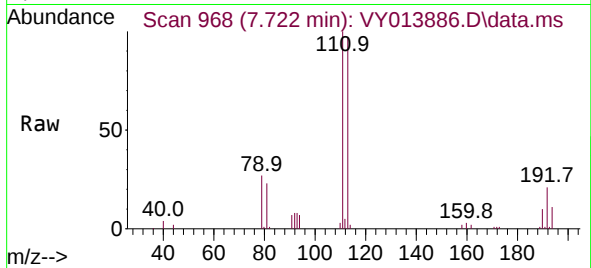




#35
Dibromofluoromethane
Concen: 33.780 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

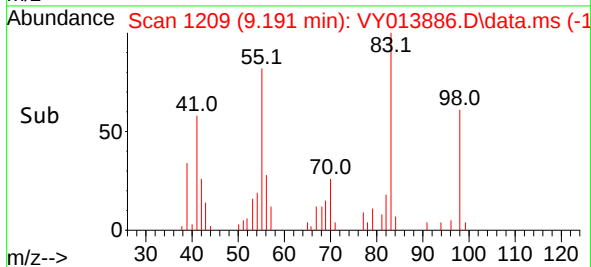
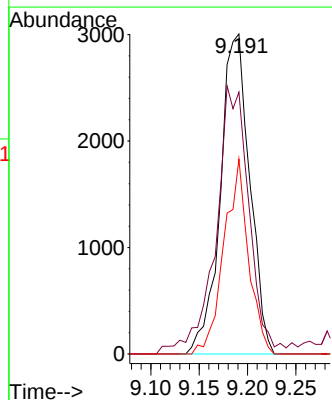
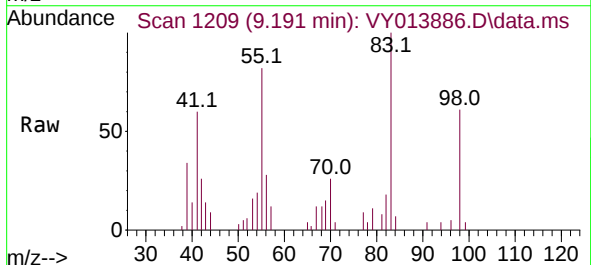
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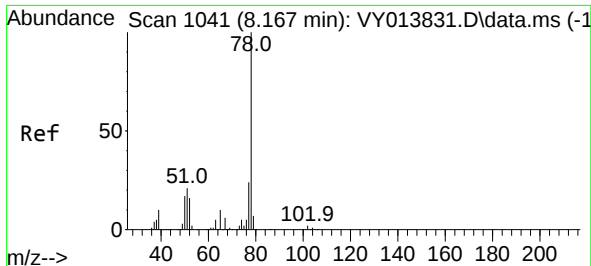
Tgt Ion:113 Resp: 34172
Ion Ratio Lower Upper
113 100
111 101.9 80.4 120.6
192 21.6 16.6 25.0



#39
Methylcyclohexane
Concen: 3.521 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion: 83 Resp: 6354
Ion Ratio Lower Upper
83 100
55 78.5 61.6 92.4
98 60.9 38.0 57.0#

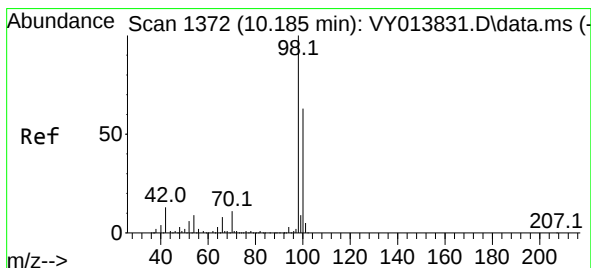
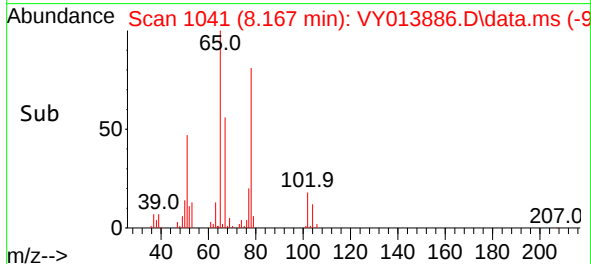
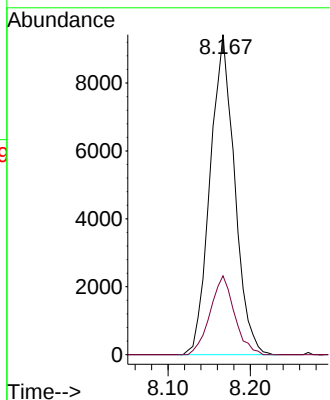
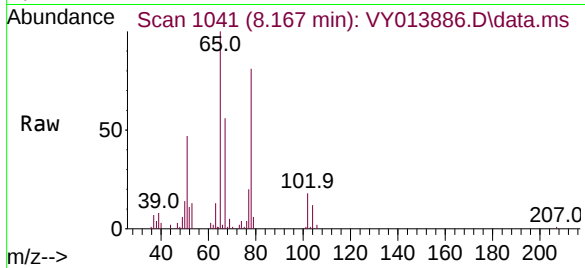




#40
Benzene
Concen: 4.402 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

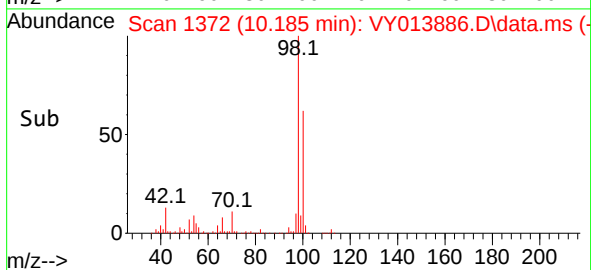
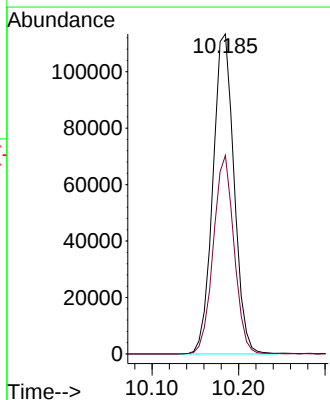
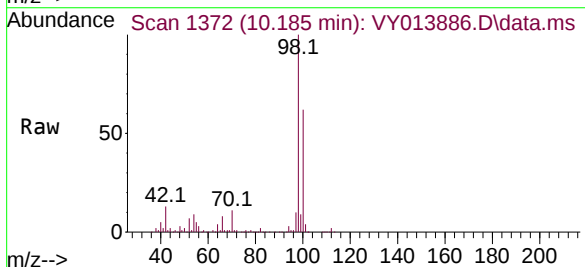
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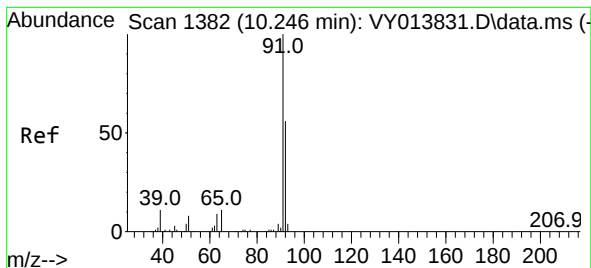
Tgt Ion: 78 Resp: 19481
Ion Ratio Lower Upper
78 100
77 24.7 19.5 29.3



#50
Toluene-d8
Concen: 50.079 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion: 98 Resp: 192543
Ion Ratio Lower Upper
98 100
100 60.8 50.8 76.2





#52

Toluene

Concen: 13.086 ug/l

RT: 10.246 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

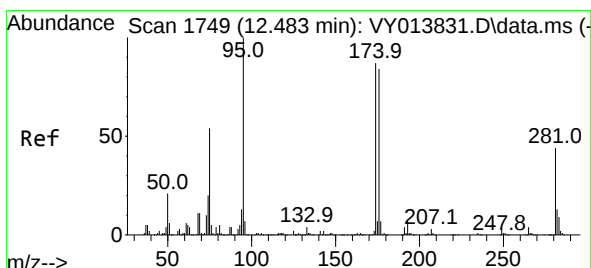
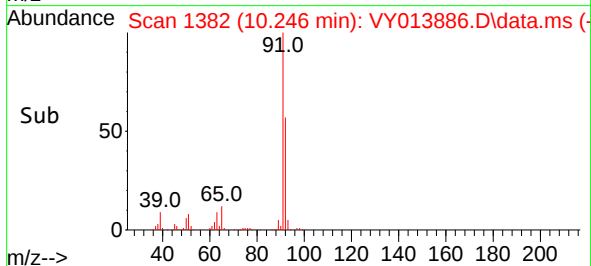
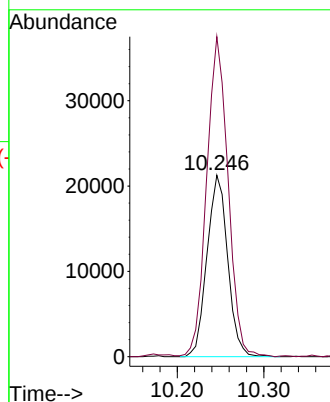
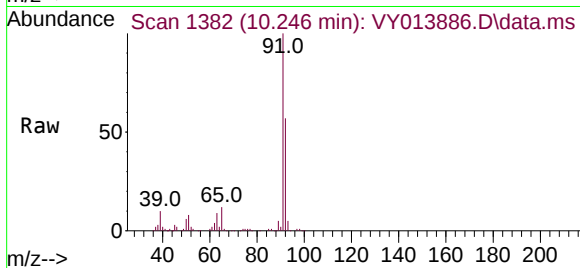
GHOST-CLEANFILL-001

Tgt Ion: 92 Resp: 35311

Ion Ratio Lower Upper

92 100

91 182.3 142.2 213.4



#62

4-Bromofluorobenzene

Concen: 39.374 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

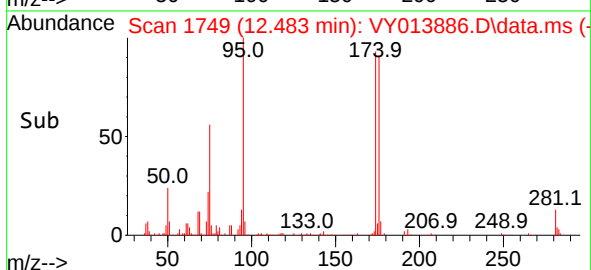
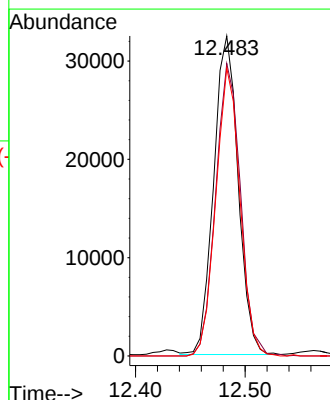
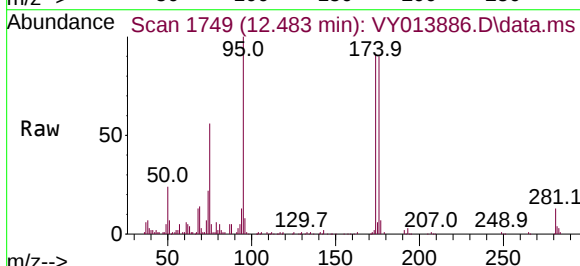
Tgt Ion: 95 Resp: 50321

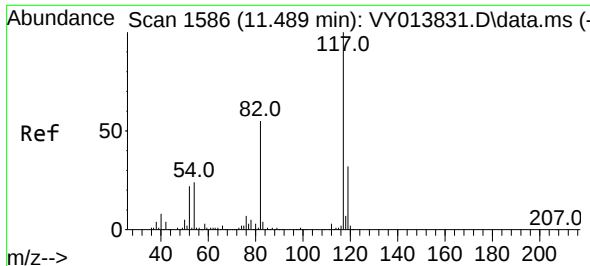
Ion Ratio Lower Upper

95 100

174 92.9 0.0 176.0

176 89.0 0.0 170.2

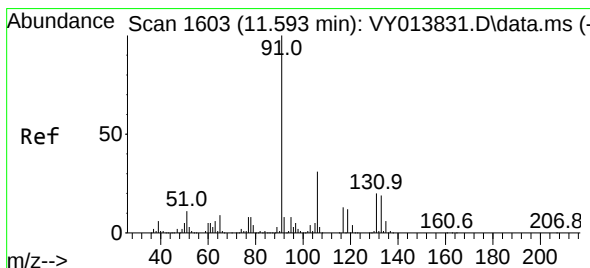
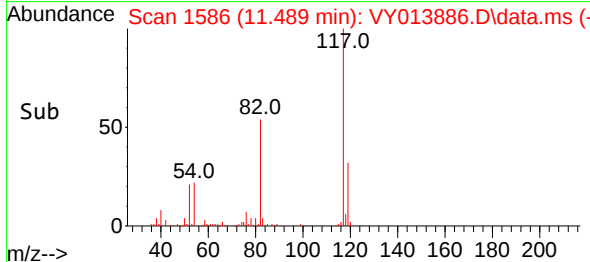
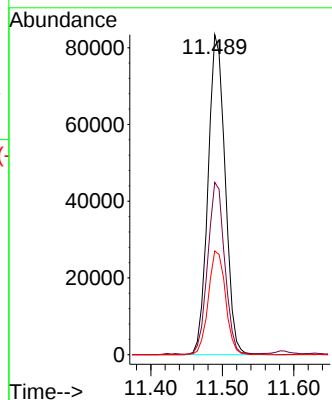
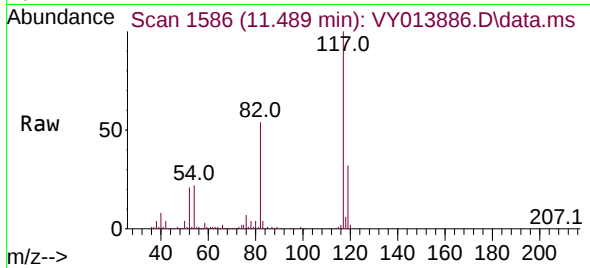




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

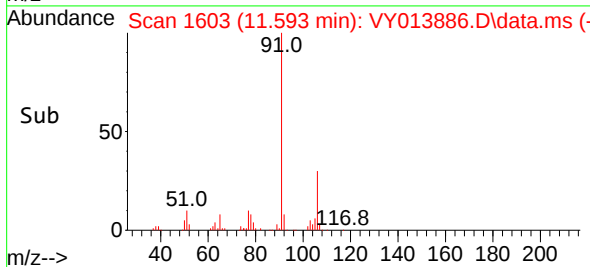
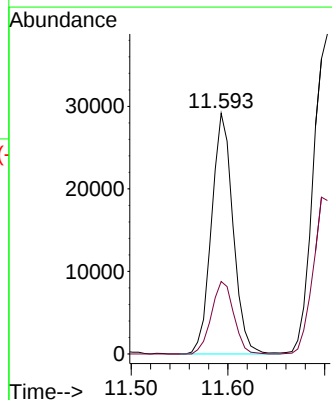
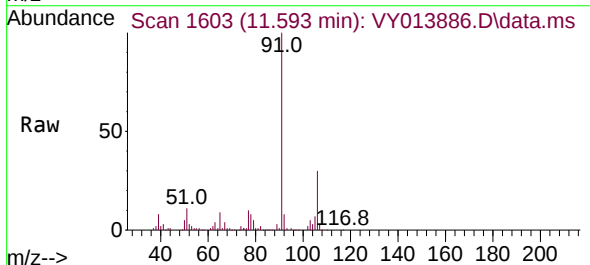
Instrument :
MSVOA_Y
ClientSampleId :
GHOST-CLEANFILL-001

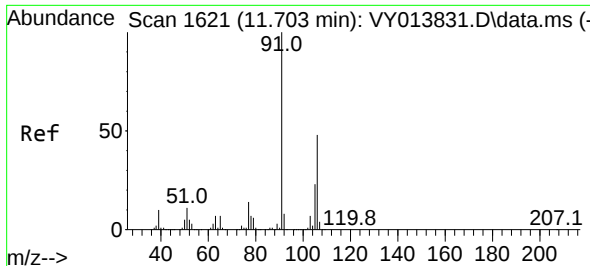
Tgt Ion:117 Resp: 138469
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.4
119 32.4 25.7 38.5



#67
Ethyl Benzene
Concen: 8.652 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion: 91 Resp: 45184
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1

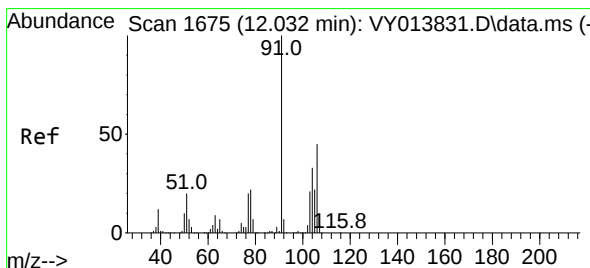
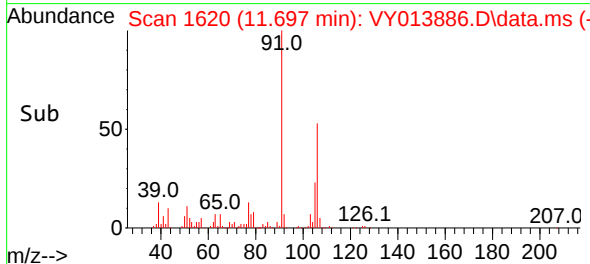
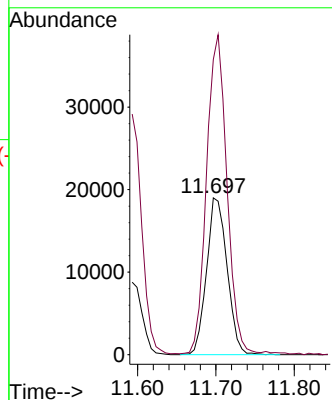
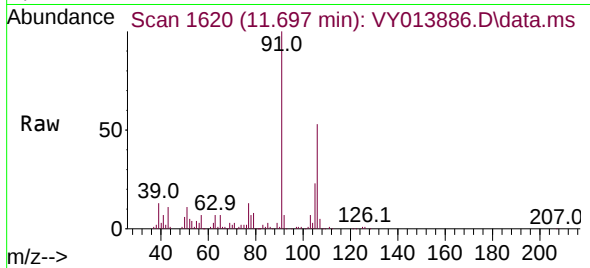




#68
m/p-Xylenes
Concen: 17.507 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

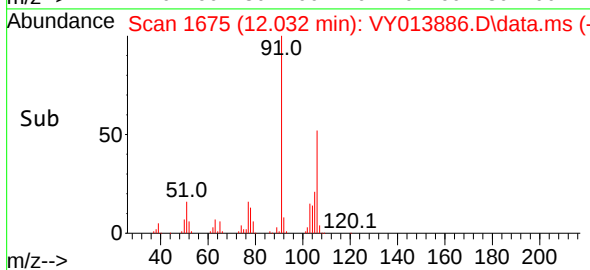
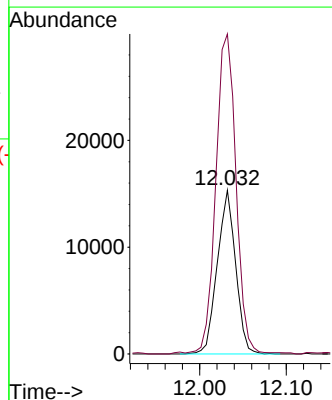
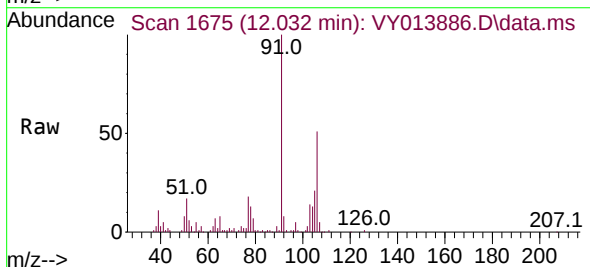
Instrument :
MSVOA_Y
ClientSampleId :
GHOST-CLEANFILL-001

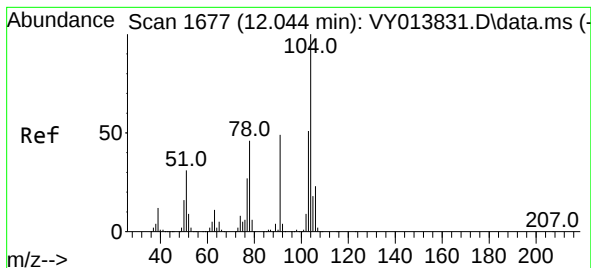
Tgt Ion:106 Resp: 34601
Ion Ratio Lower Upper
106 100
91 200.4 164.9 247.3



#69
o-Xylene
Concen: 12.128 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion:106 Resp: 22579
Ion Ratio Lower Upper
106 100
91 215.6 109.0 327.0





#70

Styrene

Concen: 4.710 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

GHOST-CLEANFILL-001

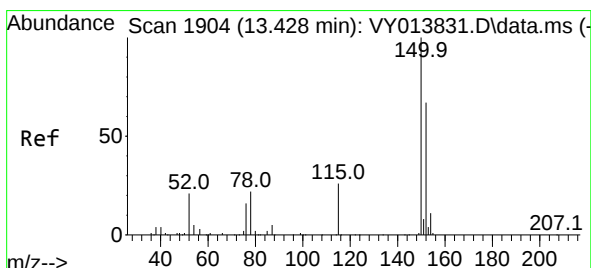
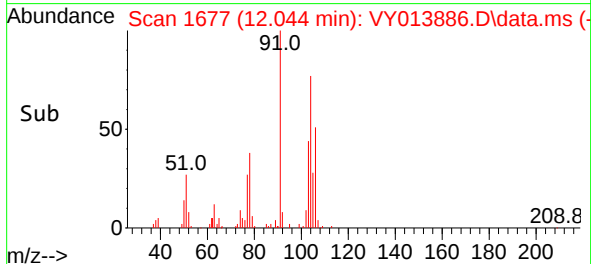
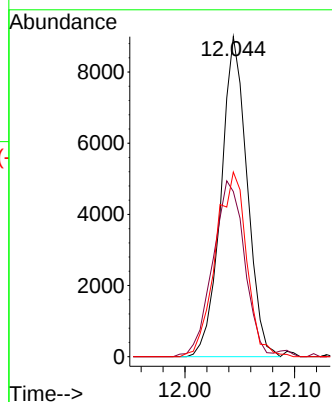
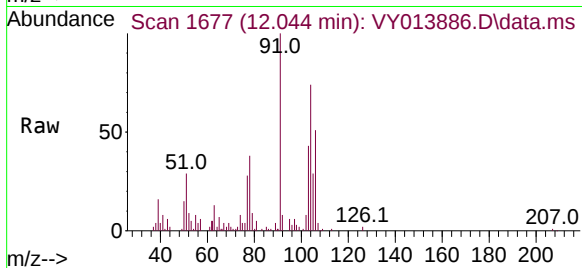
Tgt Ion:104 Resp: 14854

Ion Ratio Lower Upper

104 100

78 66.9 40.8 61.2#

103 68.6 44.2 66.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

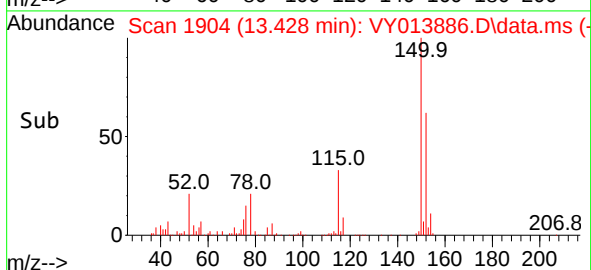
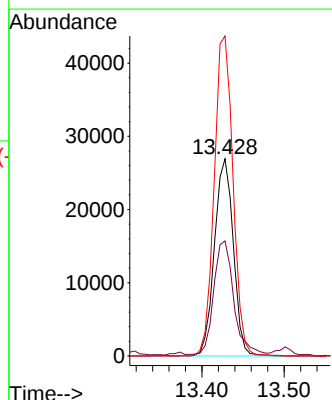
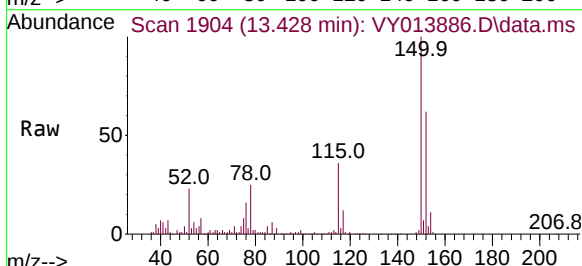
Tgt Ion:152 Resp: 42832

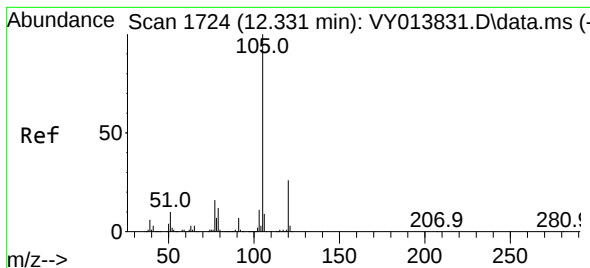
Ion Ratio Lower Upper

152 100

115 60.5 28.8 86.5

150 161.6 0.0 353.4





#73

Isopropylbenzene

Concen: 1.980 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

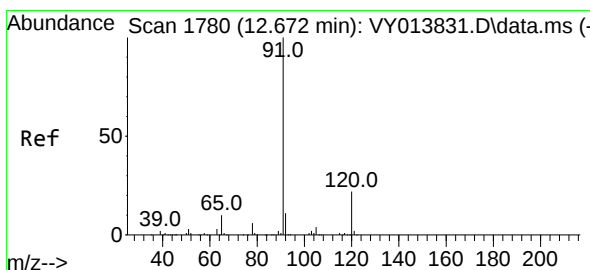
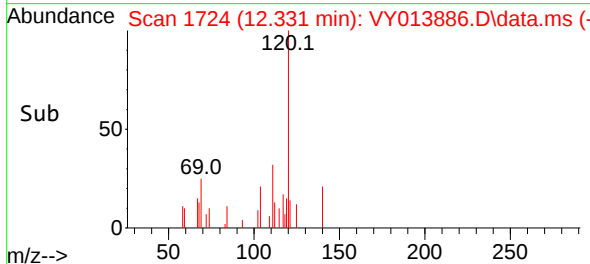
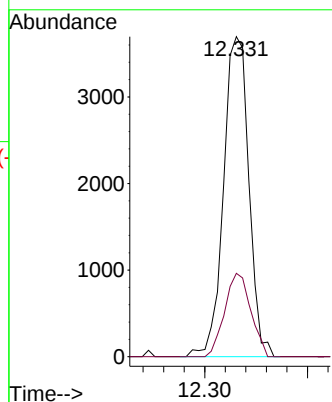
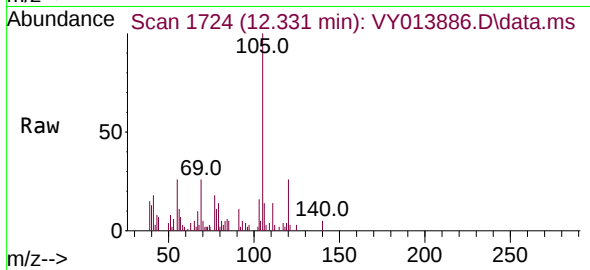
GHOST-CLEANFILL-001

Tgt Ion:105 Resp: 6311

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#78

n-propylbenzene

Concen: 2.145 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY013886.D

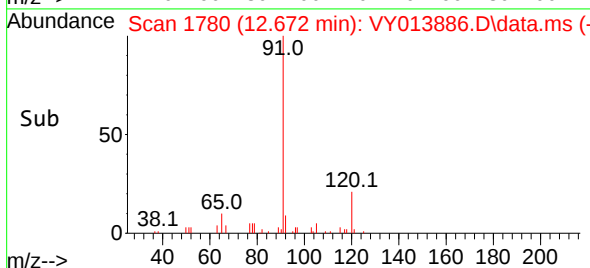
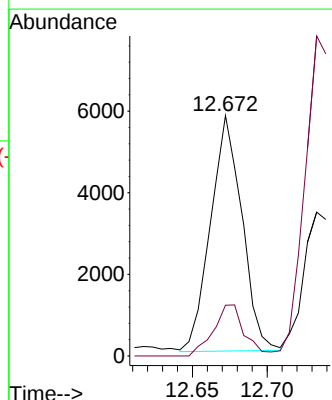
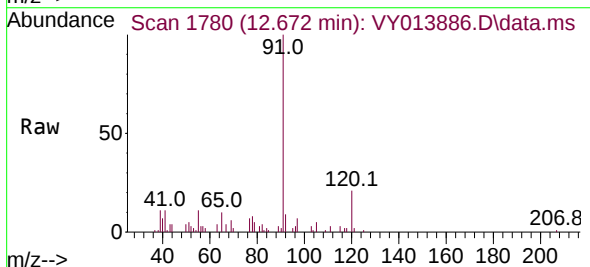
Acq: 25 May 2023 20:17

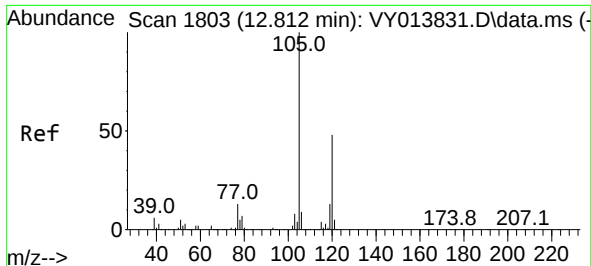
Tgt Ion: 91 Resp: 8446

Ion Ratio Lower Upper

91 100

120 21.3 11.3 33.9

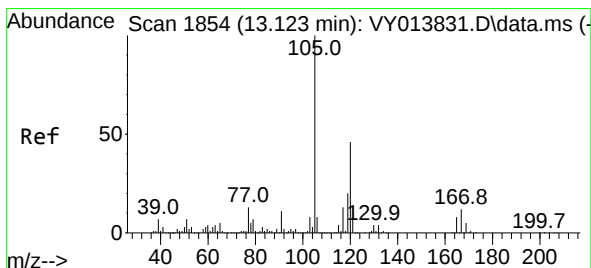
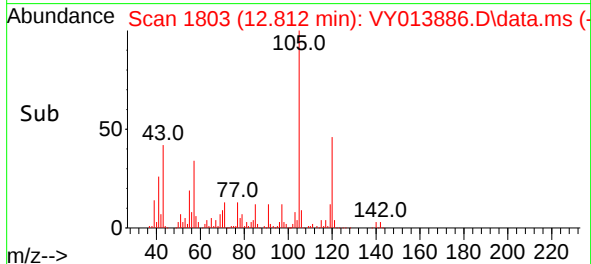
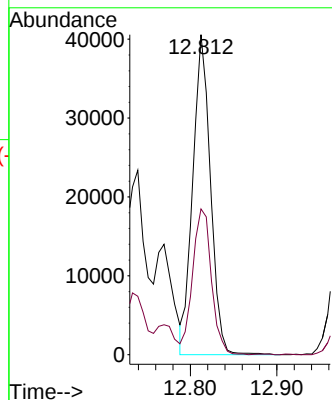
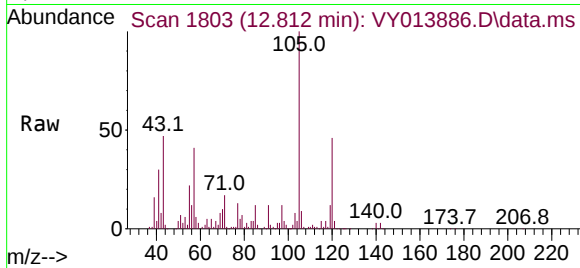




#80
1,3,5-Trimethylbenzene
Concen: 21.877 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

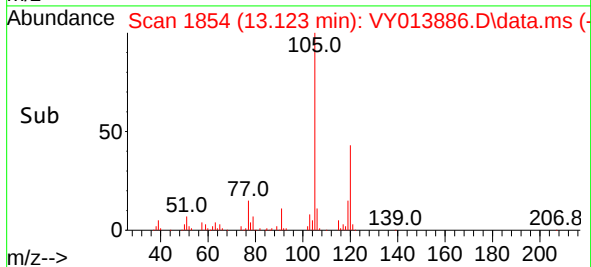
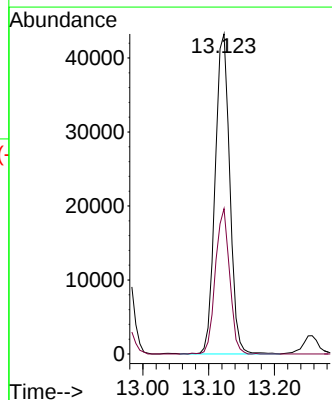
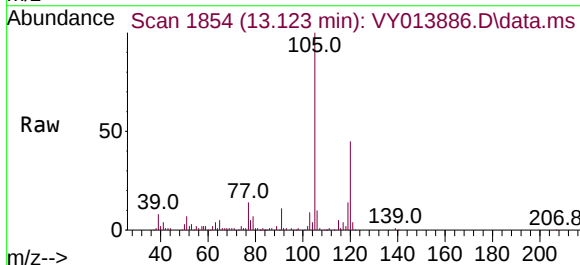
Instrument :
MSVOA_Y
ClientSampleId :
GHOST-CLEANFILL-001

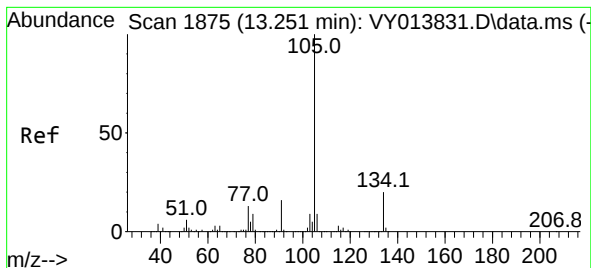
Tgt Ion:105 Resp: 57569
Ion Ratio Lower Upper
105 100
120 48.6 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 25.932 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY013886.D
Acq: 25 May 2023 20:17

Tgt Ion:105 Resp: 66985
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 1.218 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

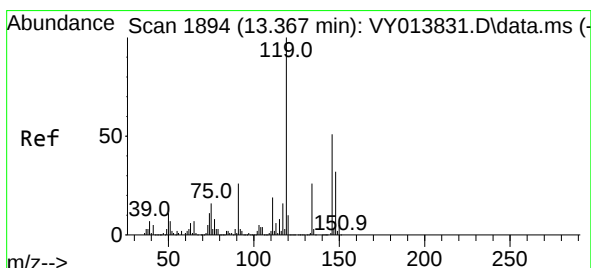
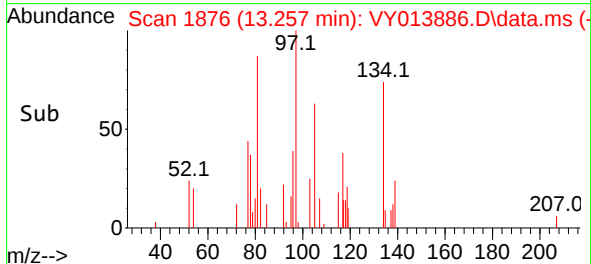
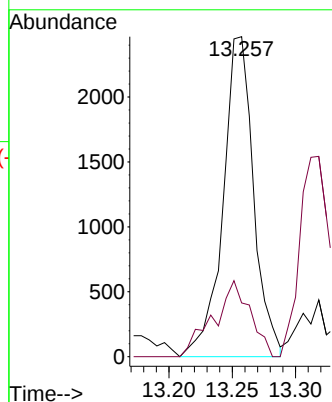
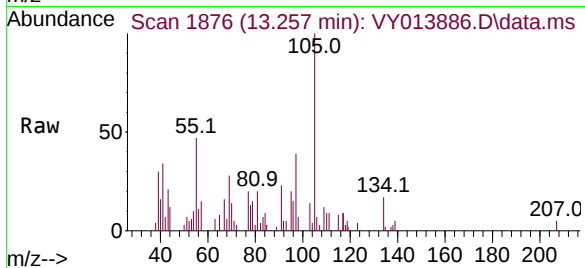
GHOST-CLEANFILL-001

Tgt Ion:105 Resp: 4148

Ion Ratio Lower Upper

105 100

134 28.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 2.153 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY013886.D

Acq: 25 May 2023 20:17

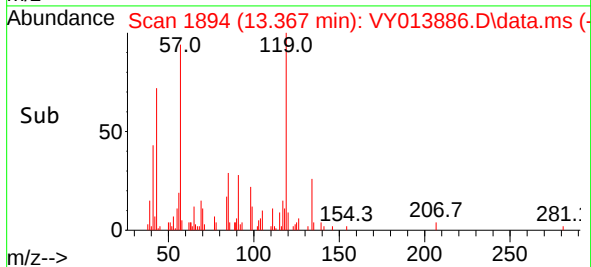
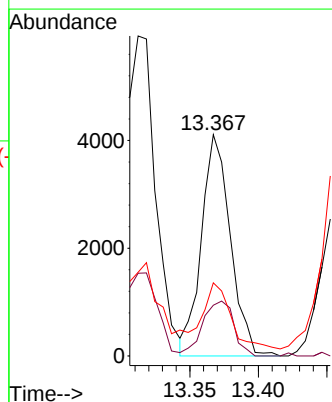
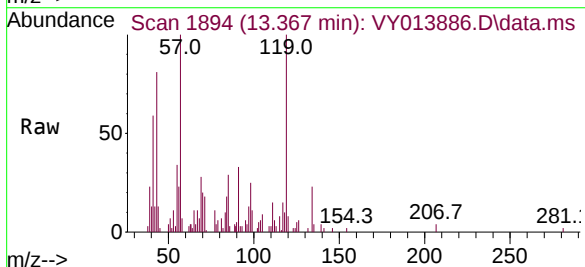
Tgt Ion:119 Resp: 6059

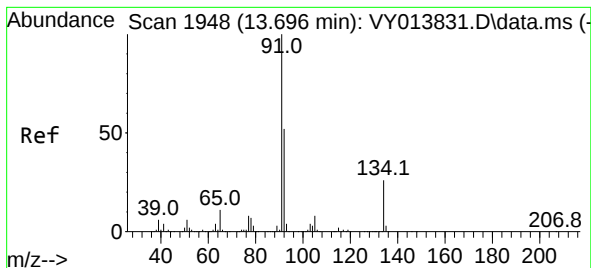
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 28.0 12.4 37.4





#89

n-Butylbenzene

Concen: 1.151 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY013886.D

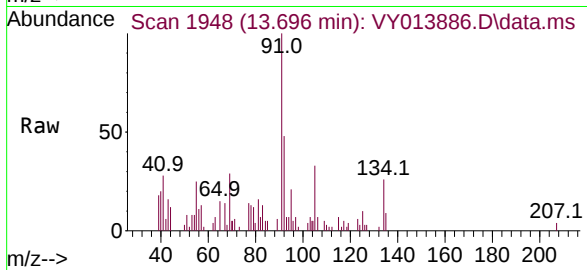
Acq: 25 May 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :

GHOST-CLEANFILL-001



Tgt Ion:	91	Resp:	3105
Ion Ratio	Lower	Upper	
91	100		
92	77.6	25.6	76.6#
134	0.0	13.0	38.9#

