

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013895.D
 Acq On : 26 May 2023 16:00
 Operator : KP/MD
 Sample : 02941-03RE
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHOST-CLEANFILL-001RE

Quant Time: May 29 04:33:33 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)

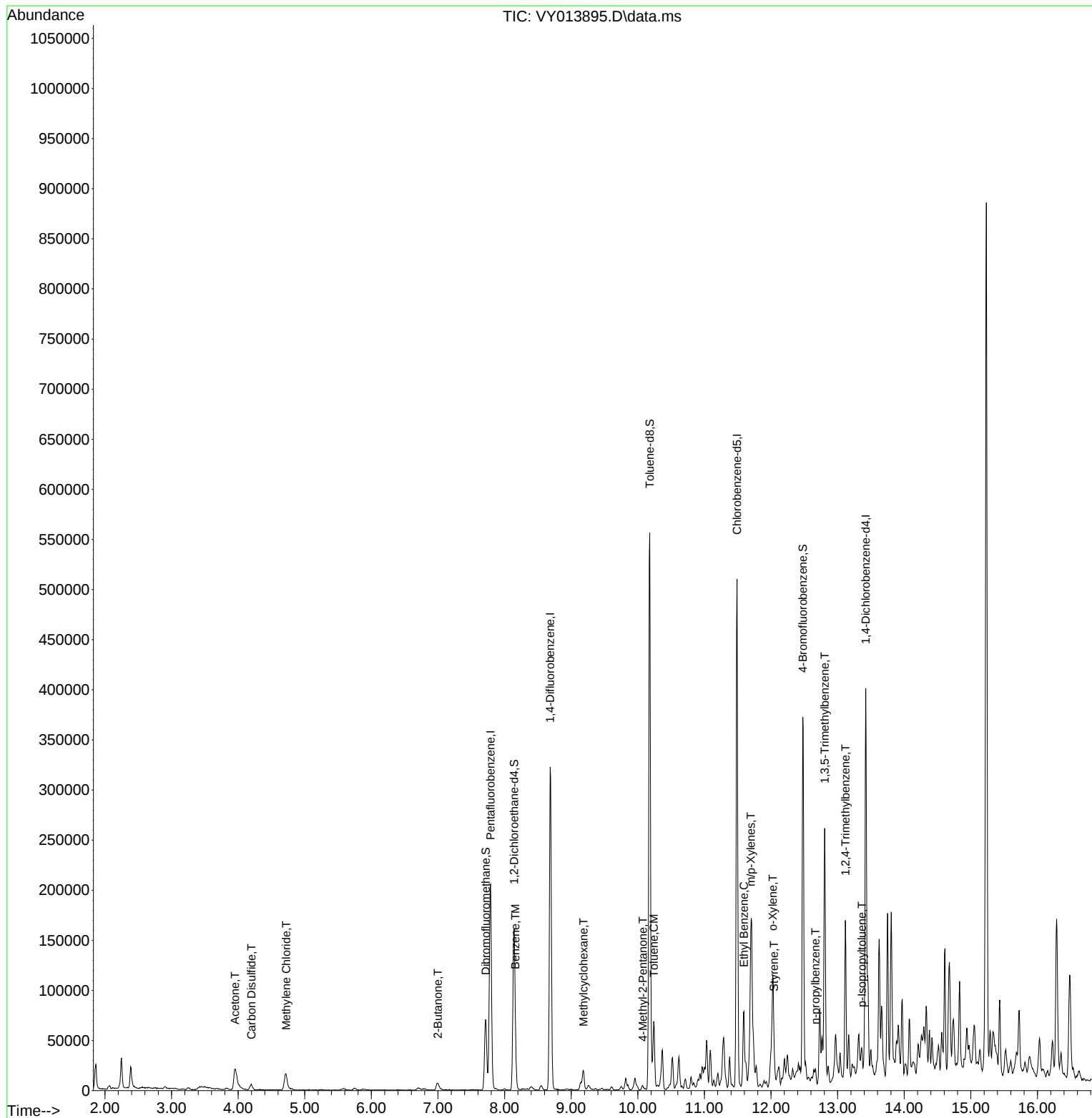
Internal Standards						
1) Pentafluorobenzene	7.789	168	157516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274400	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	257288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122258	67.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.180%	
35) Dibromofluoromethane	7.716	113	47302	26.693	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 53.380%#	
50) Toluene-d8	10.179	98	337213	50.068	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.477	95	101113	45.165	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	51420	95.071	ug/l	96
17) Carbon Disulfide	4.198	76	10370	2.255	ug/l #	92
20) Methylene Chloride	4.722	84	11538	3.663	ug/l	91
25) 2-Butanone	6.996	43	13378	20.270	ug/l #	88
39) Methylcyclohexane	9.185	83	7261	2.297	ug/l	95
40) Benzene	8.161	78	27083	3.493	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	2591	1.621	ug/l	92
52) Toluene	10.240	92	25895	5.478	ug/l	97
67) Ethyl Benzene	11.593	91	46597	4.802	ug/l	95
68) m/p-Xylenes	11.697	106	35080	9.552	ug/l	94
69) o-Xylene	12.026	106	22997	6.648	ug/l	99
70) Styrene	12.044	104	11811	2.016	ug/l #	70
78) n-propylbenzene	12.666	91	10371	1.221	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	59242	10.443	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	78859	14.161	ug/l	98
86) p-Isopropyltoluene	13.367	119	6163	1.016	ug/l	95

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

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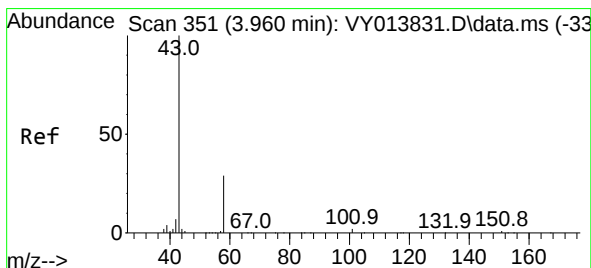
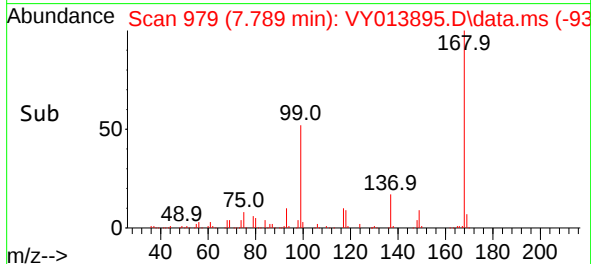
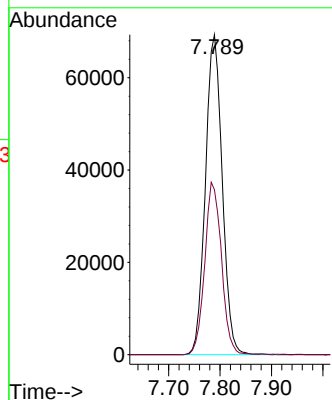
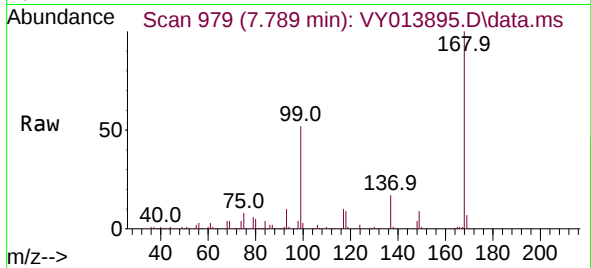




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

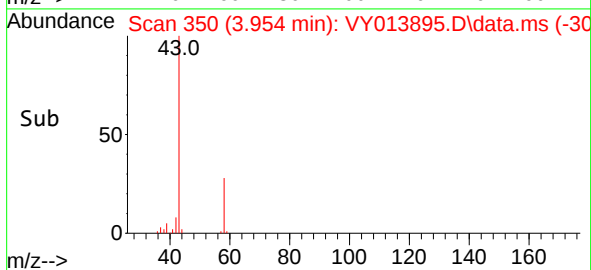
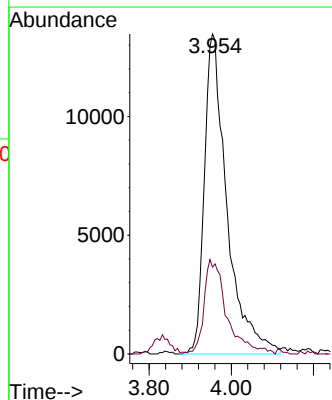
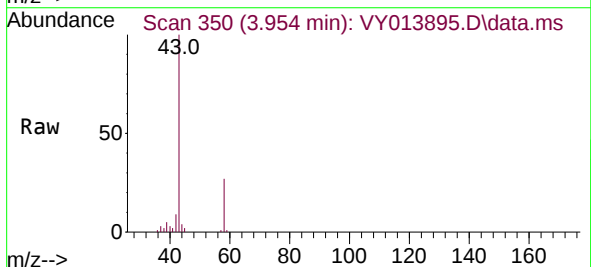
Instrument :
MSVOA_Y
ClientSampleId :
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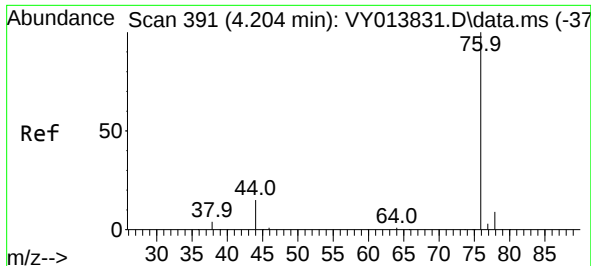
Tgt Ion:168 Resp: 157516
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.2



#16
Acetone
Concen: 95.071 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion: 43 Resp: 51420
Ion Ratio Lower Upper
43 100
58 26.7 23.3 34.9

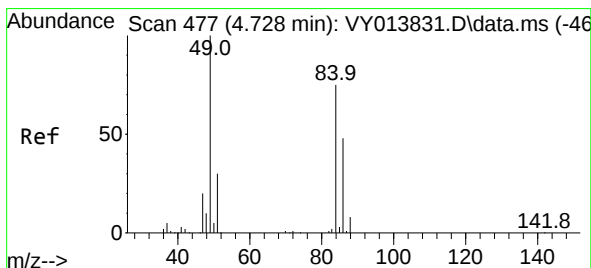
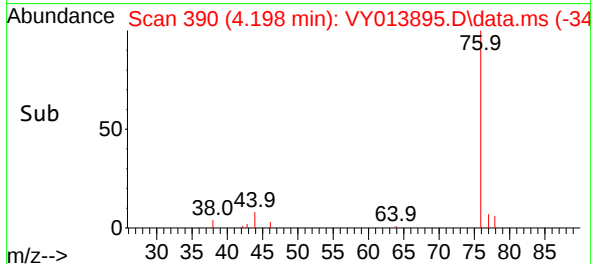
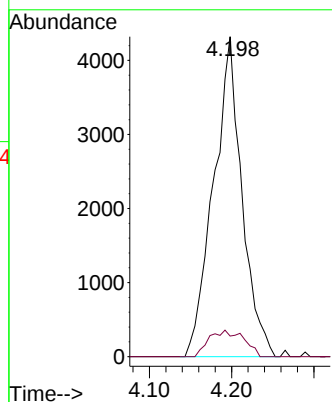
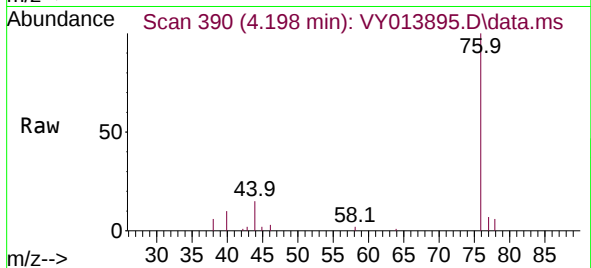




#17
Carbon Disulfide
Concen: 2.255 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

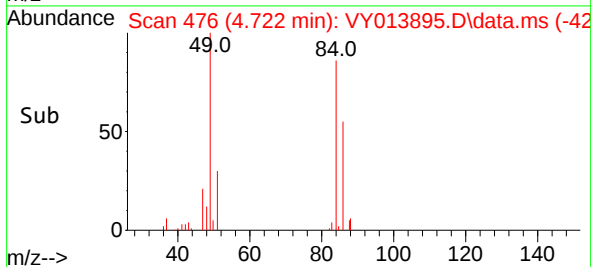
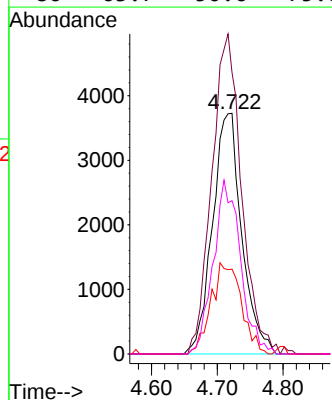
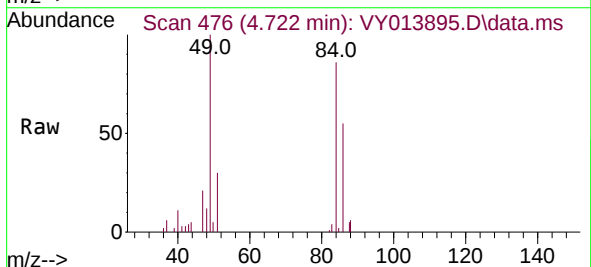
Instrument :
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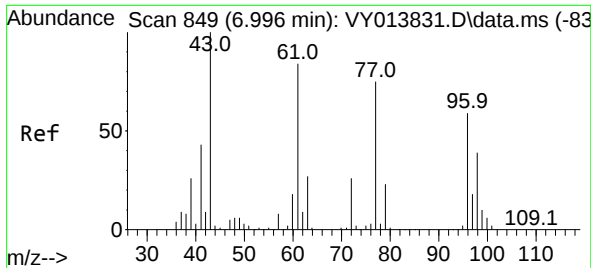
Tgt Ion: 76 Resp: 10370
Ion Ratio Lower Upper
76 100
78 6.5 7.5 11.3#



#20
Methylene Chloride
Concen: 3.663 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion: 84 Resp: 11538
Ion Ratio Lower Upper
84 100
49 116.9 106.2 159.2
51 35.3 31.4 47.0
86 63.7 50.6 75.8

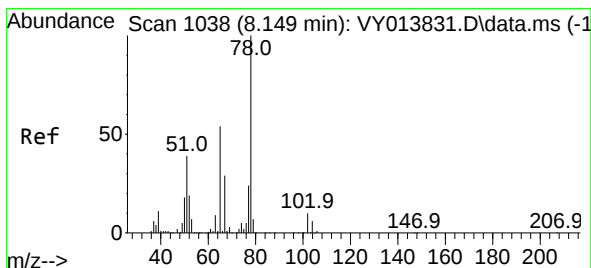
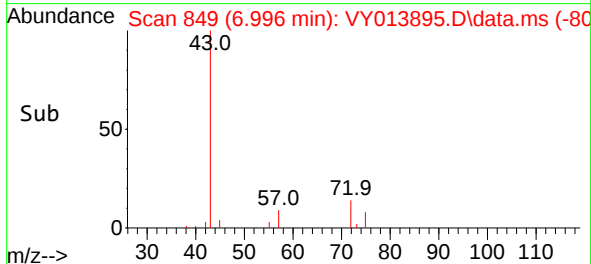
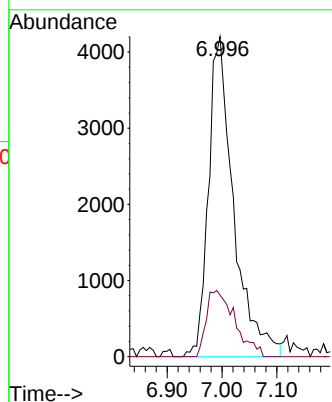
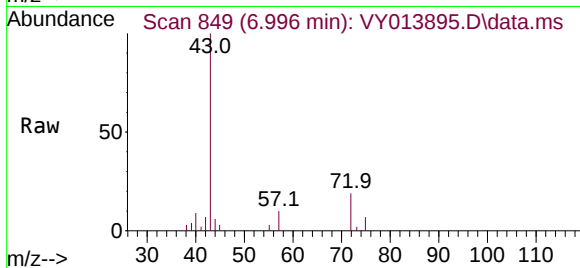




#25
2-Butanone
Concen: 20.270 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

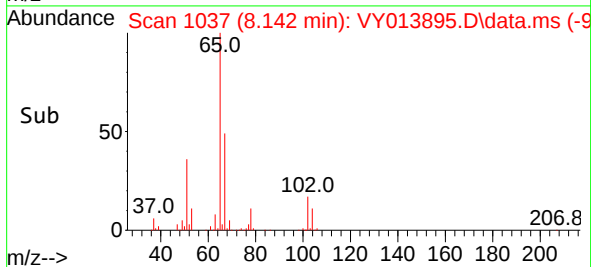
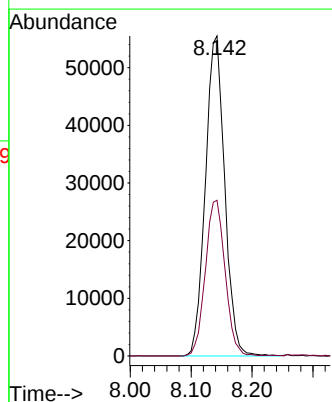
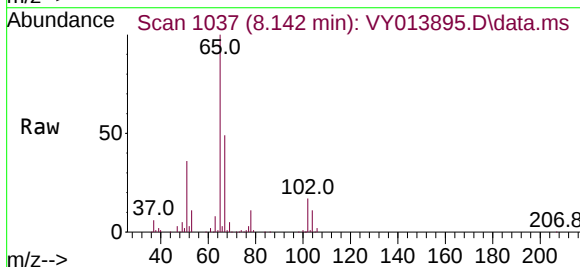
Instrument :
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ClientSampleId :
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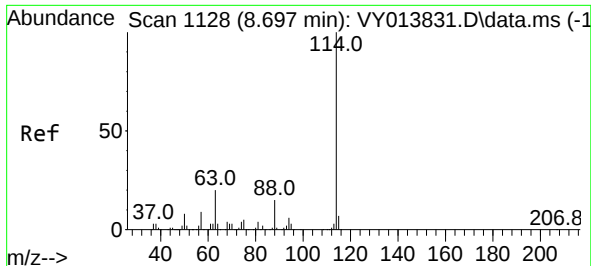
Tgt Ion: 43 Resp: 13378
Ion Ratio Lower Upper
43 100
72 19.3 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 67.090 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion: 65 Resp: 122258
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.4

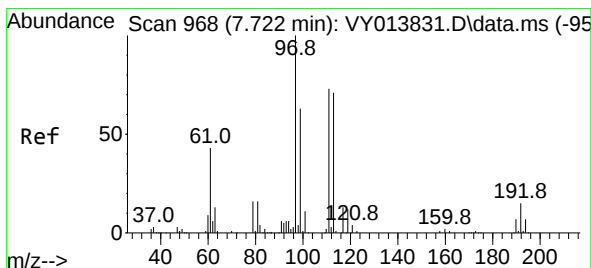
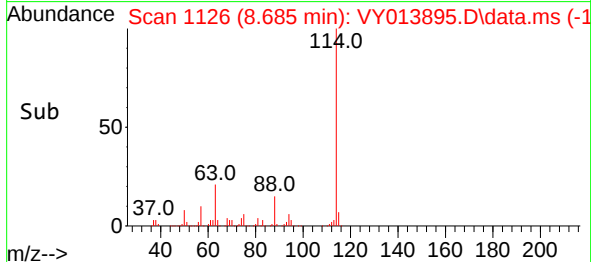
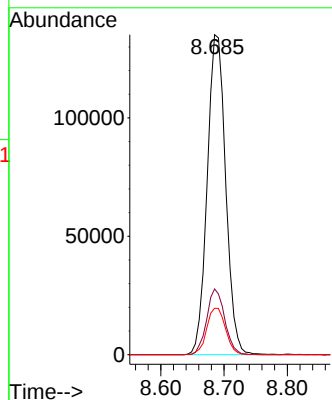
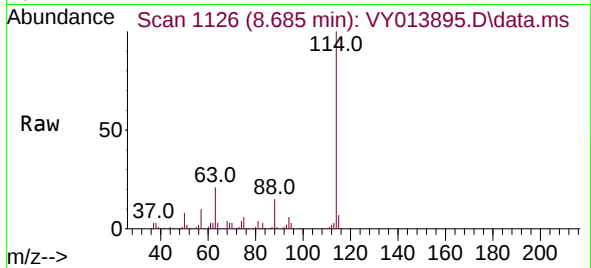




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.012 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

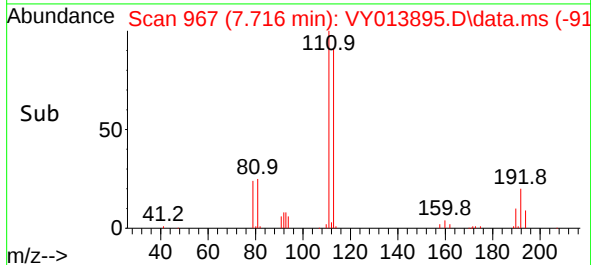
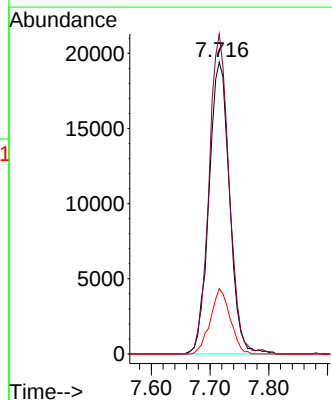
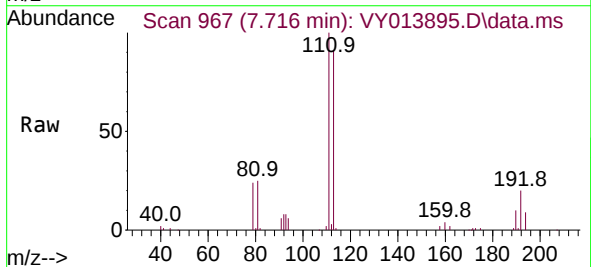
Instrument :
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ClientSampleId :
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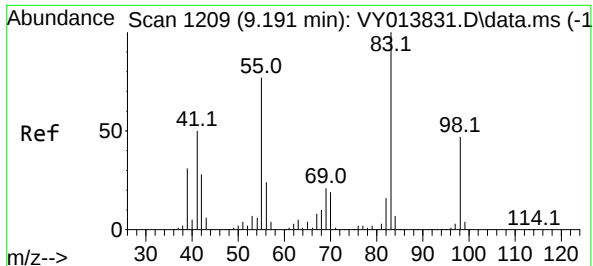
Tgt Ion:114 Resp: 274400
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.2
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 26.693 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion:113 Resp: 47302
Ion Ratio Lower Upper
113 100
111 106.3 80.4 120.6
192 21.5 16.6 25.0





#39

Methylcyclohexane

Concen: 2.297 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

GHOST-CLEANFILL-001RE

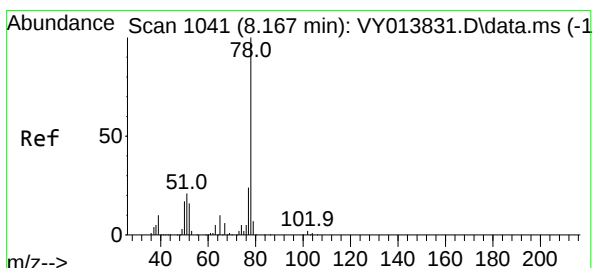
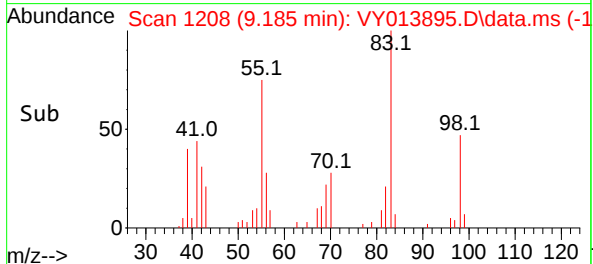
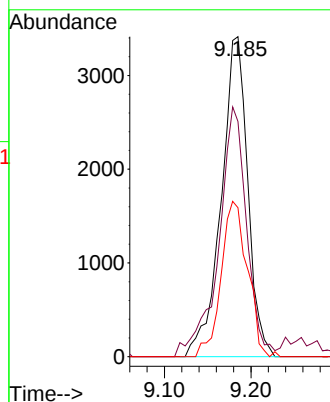
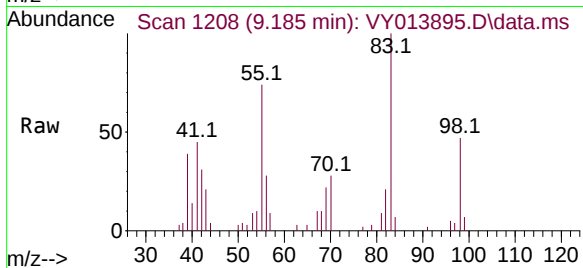
Tgt Ion: 83 Resp: 7261

Ion Ratio Lower Upper

83 100

55 70.8 61.6 92.4

98 46.6 38.0 57.0



#40

Benzene

Concen: 3.493 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY013895.D

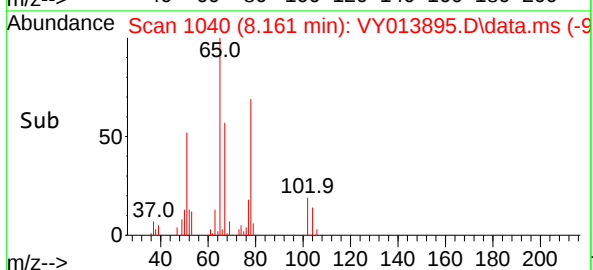
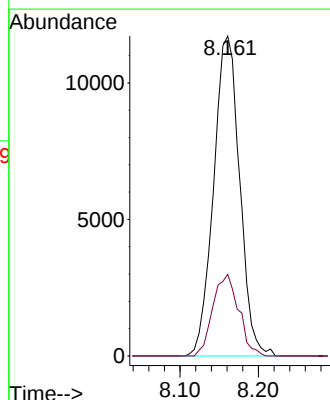
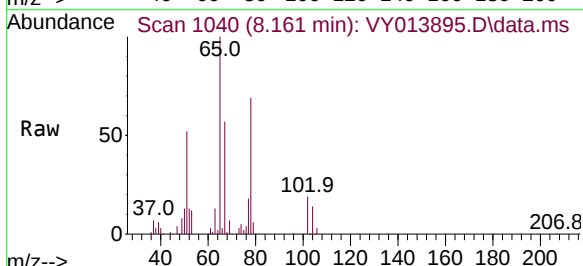
Acq: 26 May 2023 16:00

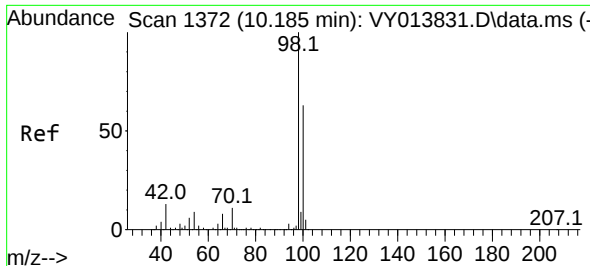
Tgt Ion: 78 Resp: 27083

Ion Ratio Lower Upper

78 100

77 25.5 19.5 29.3

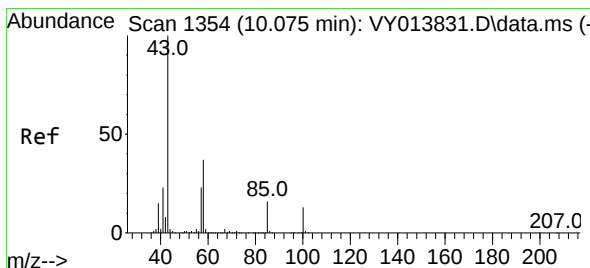
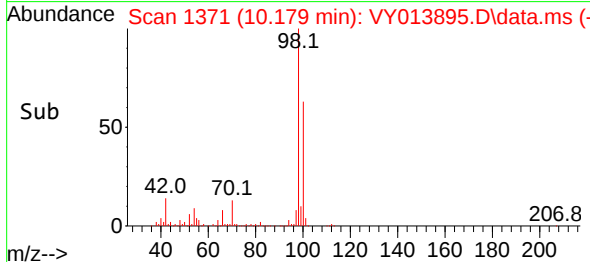
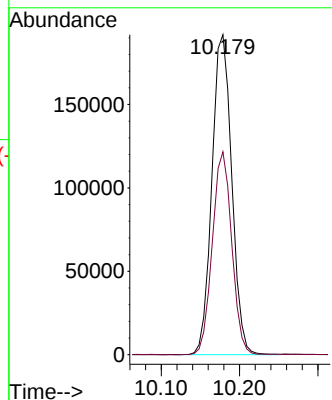
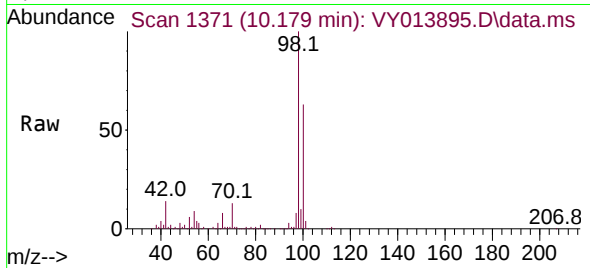




#50
Toluene-d8
Concen: 50.068 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

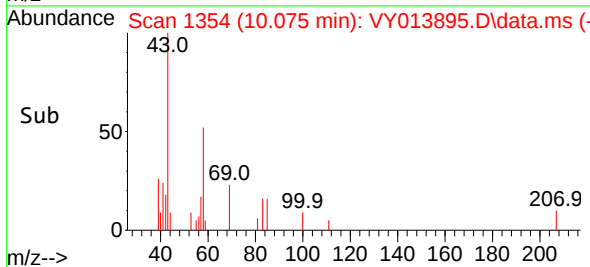
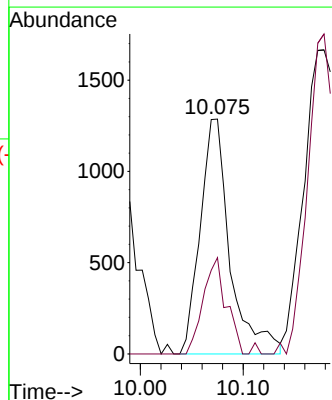
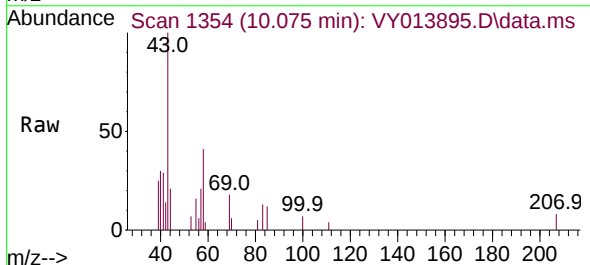
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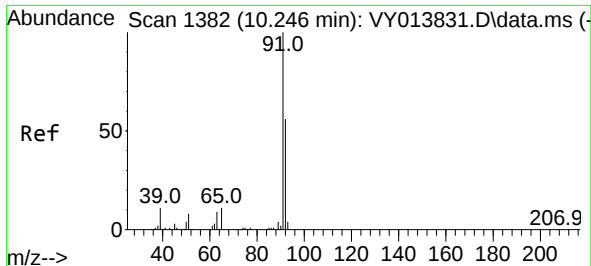
Tgt Ion: 98 Resp: 337213
Ion Ratio Lower Upper
98 100
100 62.1 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.621 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion: 43 Resp: 2591
Ion Ratio Lower Upper
43 100
58 31.7 29.1 43.7

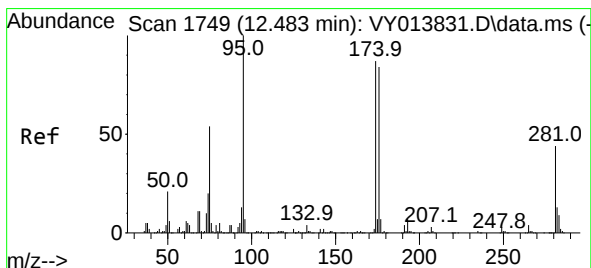
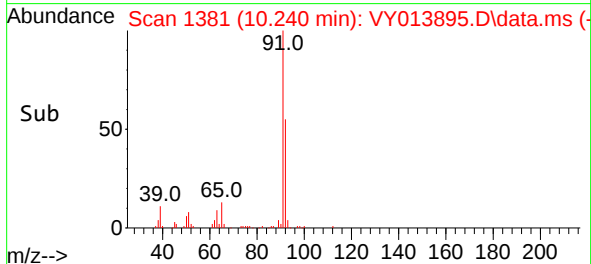
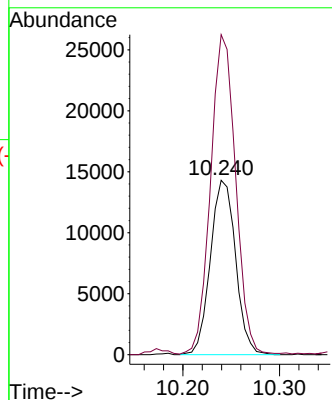
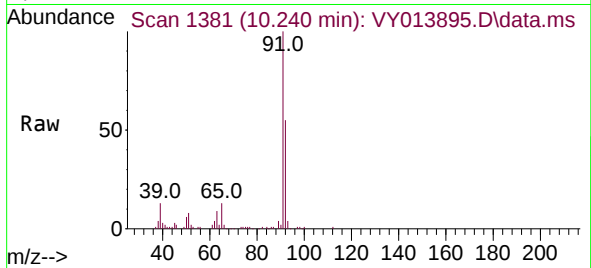




#52
Toluene
Concen: 5.478 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

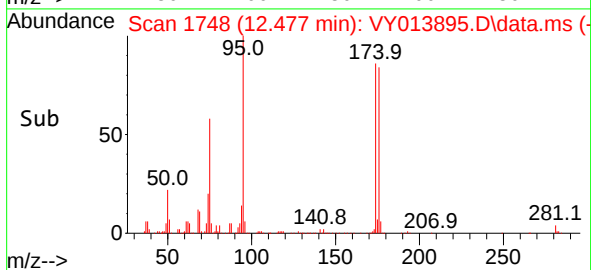
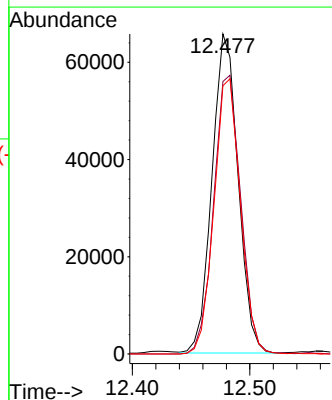
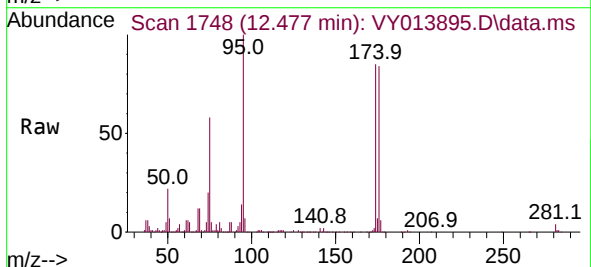
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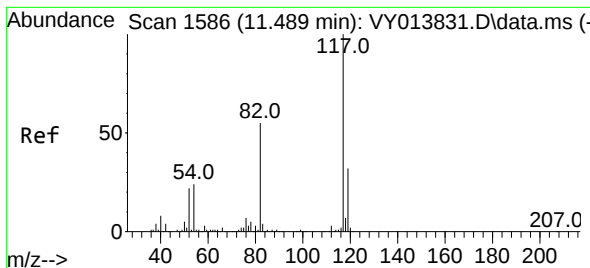
Tgt Ion: 92 Resp: 25895
Ion Ratio Lower Upper
92 100
91 181.5 142.2 213.4



#62
4-Bromofluorobenzene
Concen: 45.165 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion: 95 Resp: 101113
Ion Ratio Lower Upper
95 100
174 90.5 0.0 176.0
176 87.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

GHOST-CLEANFILL-001RE

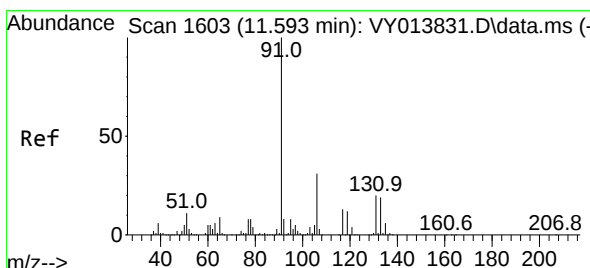
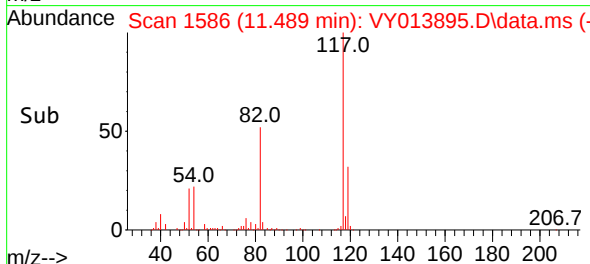
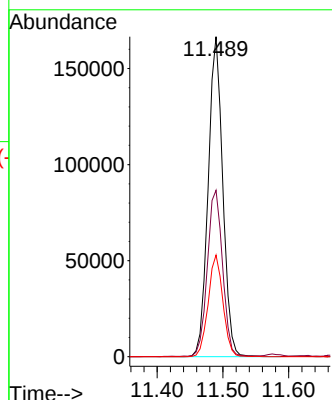
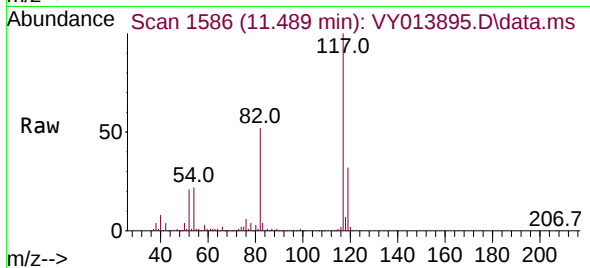
Tgt Ion:117 Resp: 257288

Ion Ratio Lower Upper

117 100

82 51.9 44.2 66.4

119 31.8 25.7 38.5



#67

Ethyl Benzene

Concen: 4.802 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY013895.D

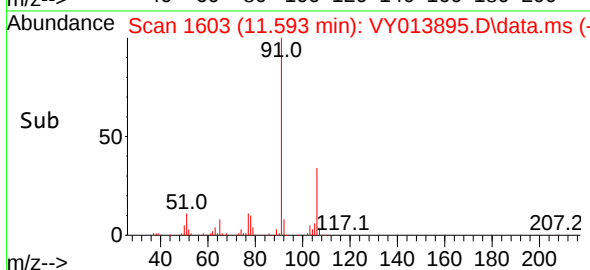
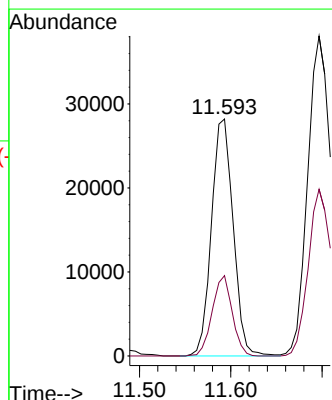
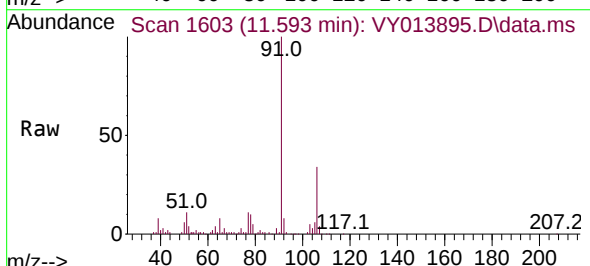
Acq: 26 May 2023 16:00

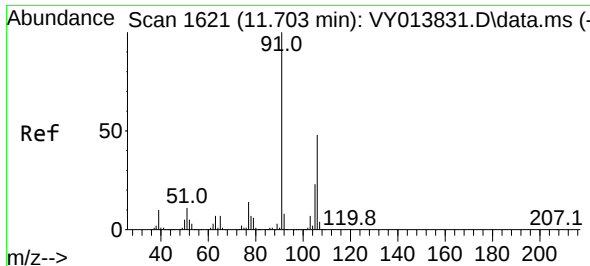
Tgt Ion: 91 Resp: 46597

Ion Ratio Lower Upper

91 100

106 33.9 24.7 37.1

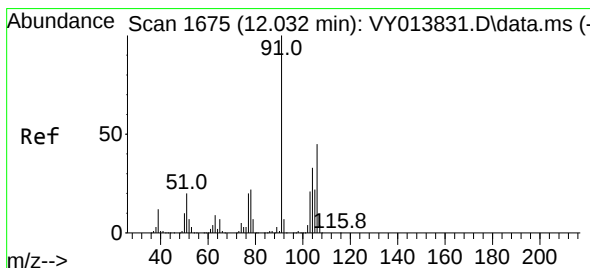
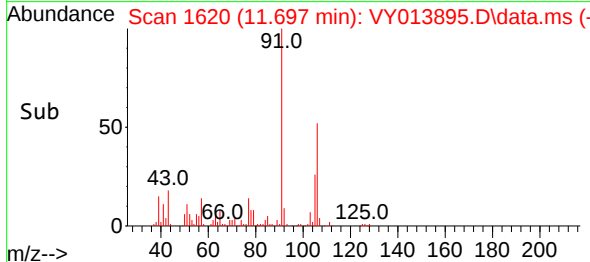
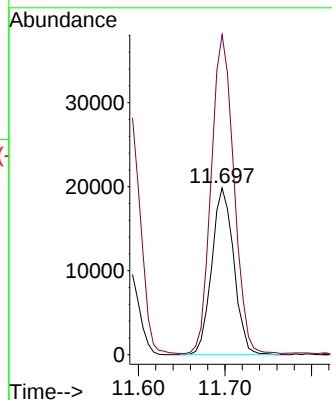
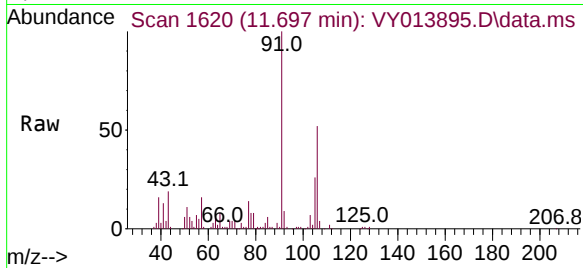




#68
m/p-Xylenes
Concen: 9.552 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

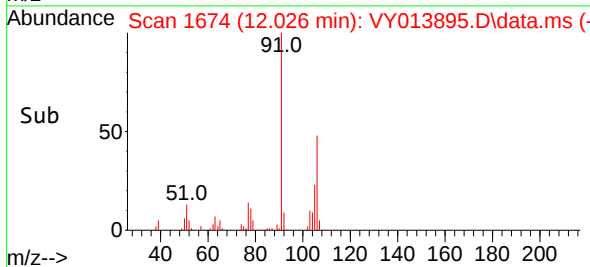
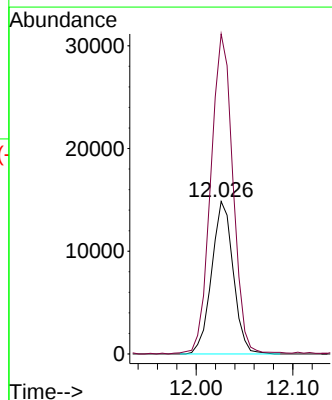
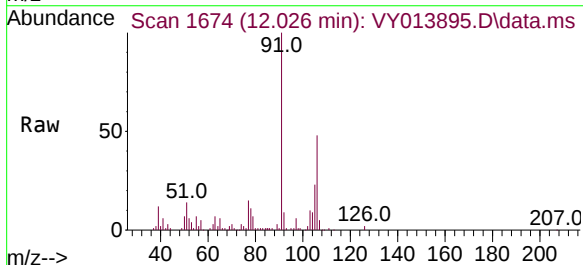
Instrument :
MSVOA_Y
ClientSampleId :
GHOST-CLEANFILL-001RE

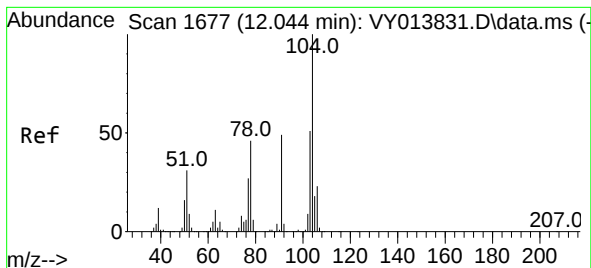
Tgt Ion:106 Resp: 35080
Ion Ratio Lower Upper
106 100
91 196.4 164.9 247.3



#69
o-Xylene
Concen: 6.648 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY013895.D
Acq: 26 May 2023 16:00

Tgt Ion:106 Resp: 22997
Ion Ratio Lower Upper
106 100
91 216.3 109.0 327.0





#70

Styrene

Concen: 2.016 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

GHOST-CLEANFILL-001RE

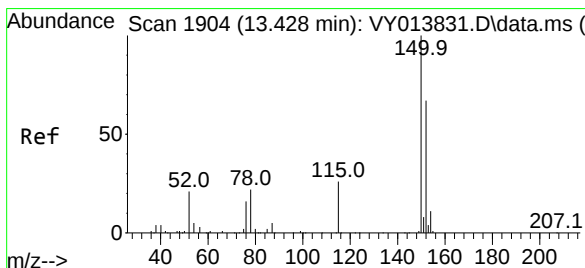
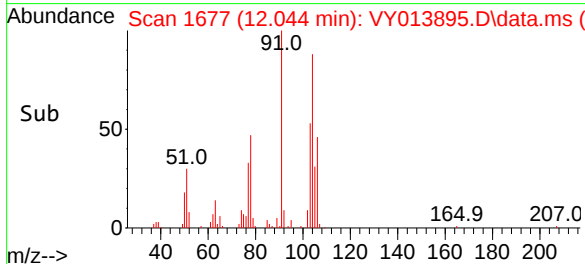
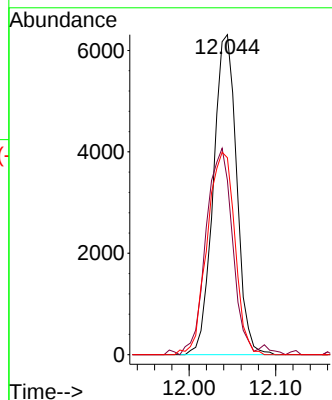
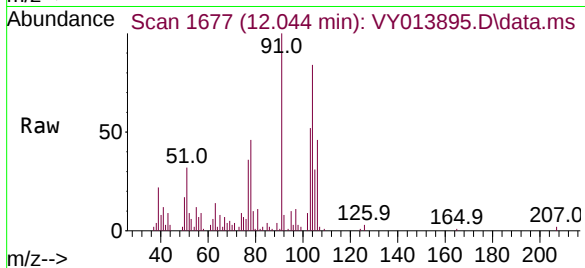
Tgt Ion:104 Resp: 11811

Ion Ratio Lower Upper

104 100

78 73.6 40.8 61.2#

103 75.0 44.2 66.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

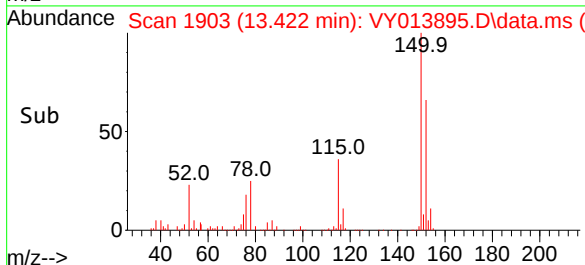
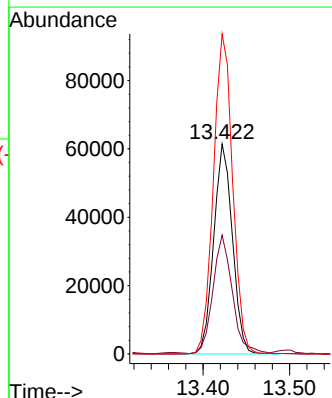
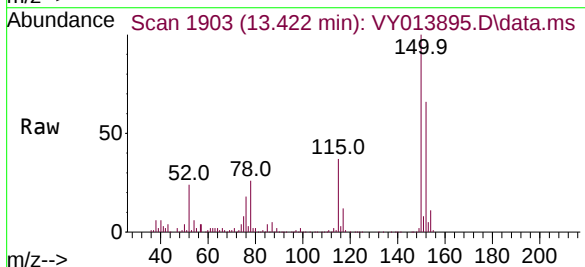
Tgt Ion:152 Resp: 92337

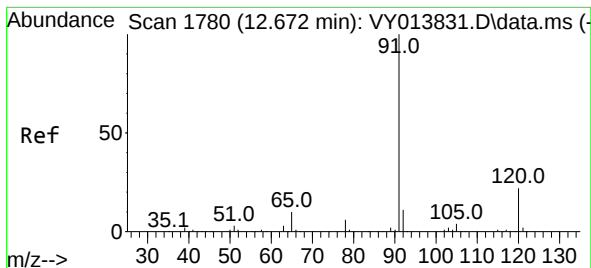
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.8 0.0 353.4





#78

n-propylbenzene

Concen: 1.221 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

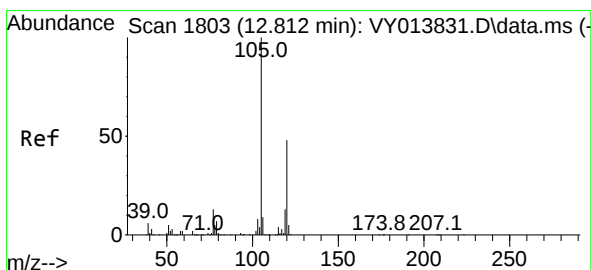
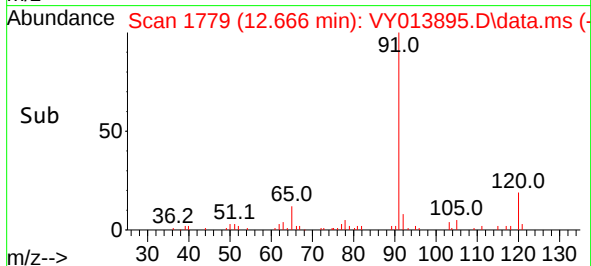
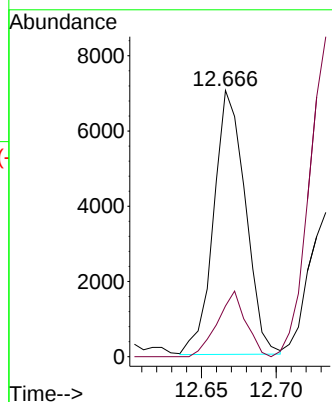
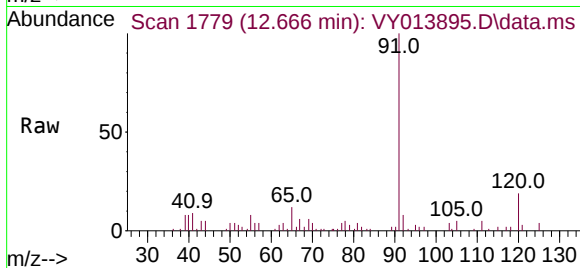
GHOST-CLEANFILL-001RE

Tgt Ion: 91 Resp: 10371

Ion Ratio Lower Upper

91 100

120 22.1 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 10.443 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY013895.D

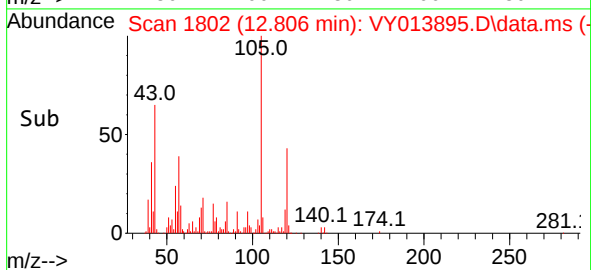
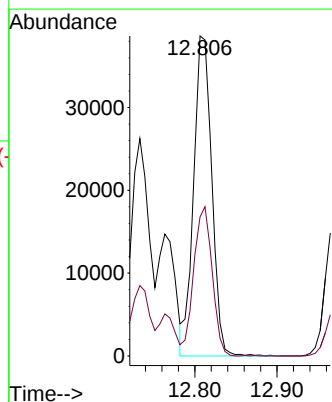
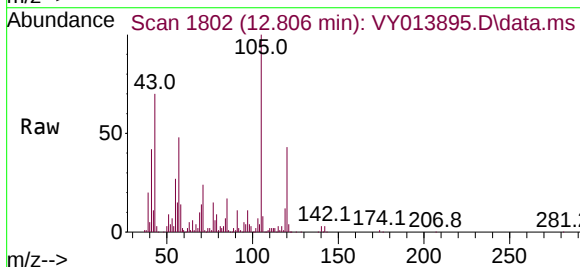
Acq: 26 May 2023 16:00

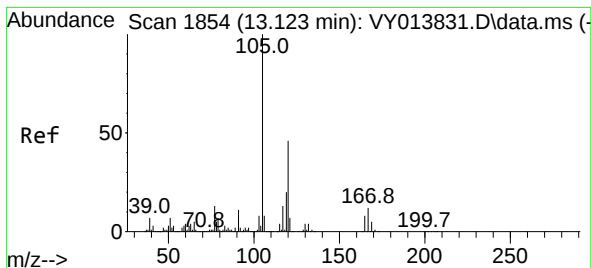
Tgt Ion: 105 Resp: 59242

Ion Ratio Lower Upper

105 100

120 47.5 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 14.161 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

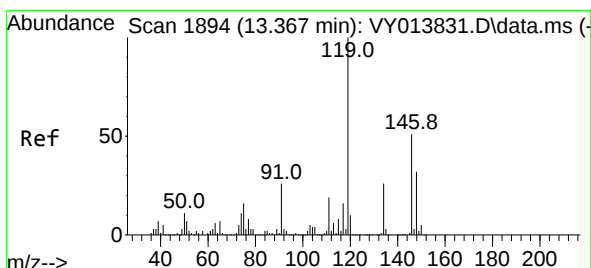
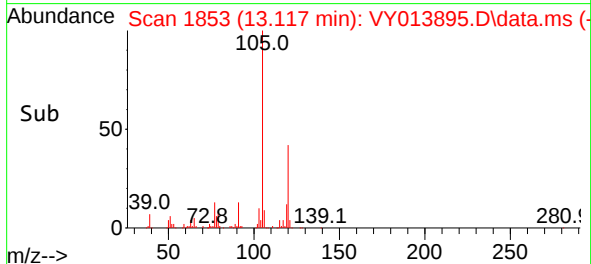
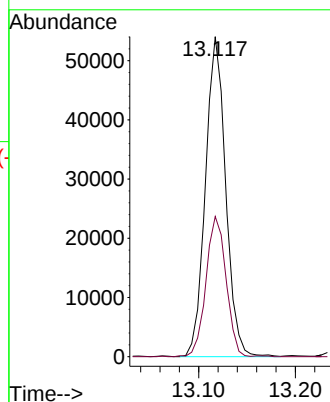
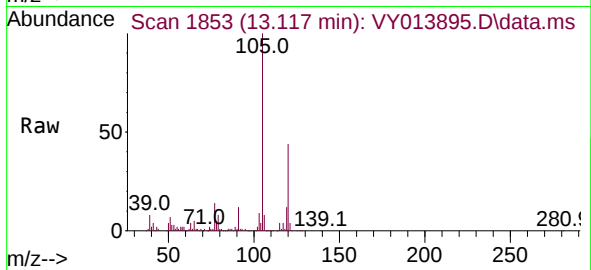
GHOST-CLEANFILL-001RE

Tgt Ion:105 Resp: 78859

Ion Ratio Lower Upper

105 100

120 43.5 22.4 67.3



#86

p-Isopropyltoluene

Concen: 1.016 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY013895.D

Acq: 26 May 2023 16:00

Tgt Ion:119 Resp: 6163

Ion Ratio Lower Upper

119 100

134 22.7 13.3 39.9

91 23.3 12.4 37.4

