

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030422\
 Data File : VY007749.D
 Acq On : 04 Mar 2022 18:04
 Operator : SY/MD
 Sample : N1774-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-COMP-B

Quant Time: Mar 05 04:25:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

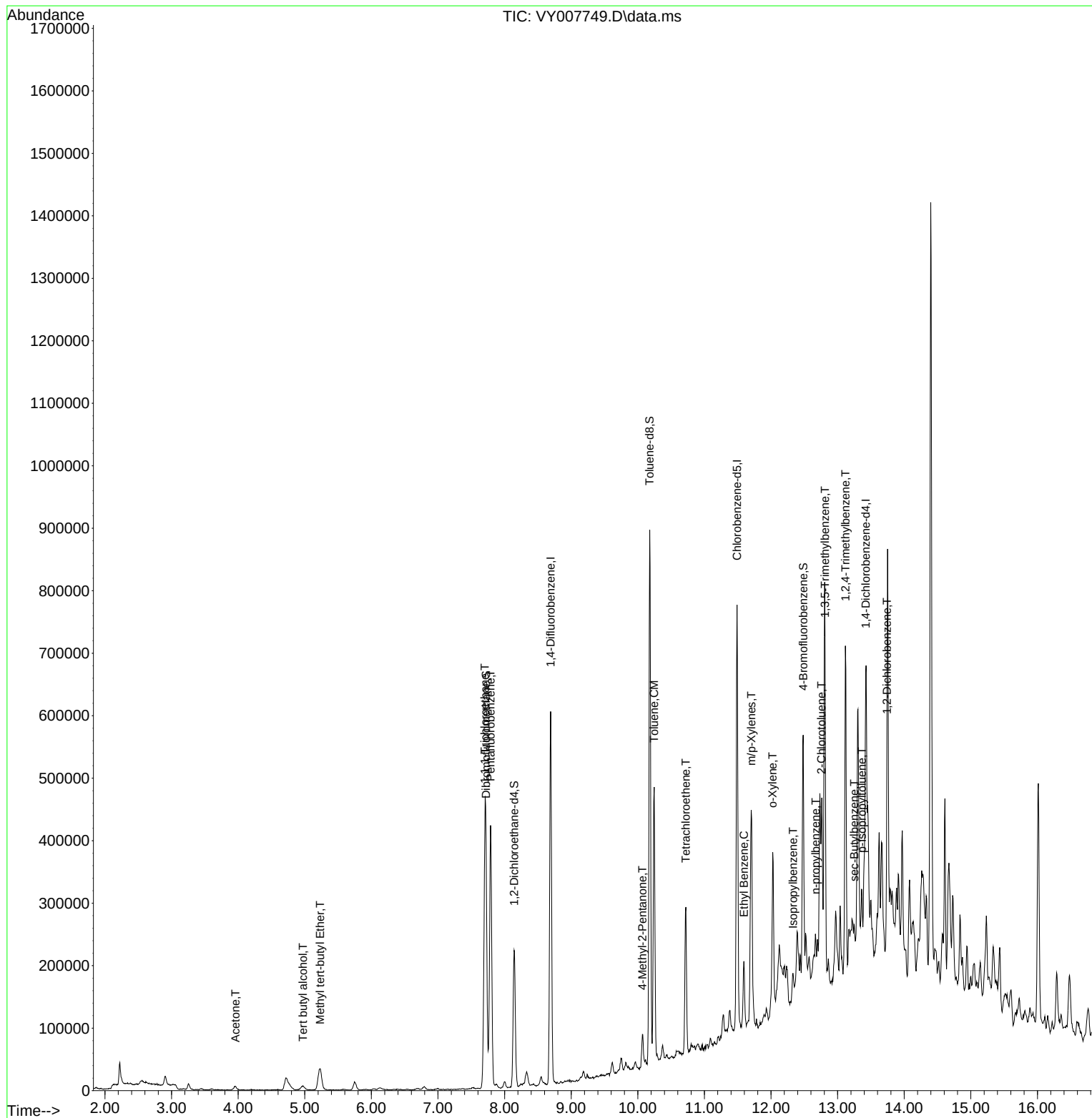
Internal Standards						
1) Pentafluorobenzene	7.789	168	338391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	521055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	164409	46.409	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.820%
35) Dibromofluoromethane	7.722	113	167483	50.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.560%
50) Toluene-d8	10.179	98	565657	46.129	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.260%
62) 4-Bromofluorobenzene	12.483	95	113218	28.643	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	57.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	12930	42.156	ug/l	97
16) Acetone	3.960	43	9365	12.995	ug/l #	77
19) Methyl tert-butyl Ether	5.228	73	57916	5.938	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	219108	34.832	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	33806	11.804	ug/l	91
52) Toluene	10.246	92	183895	19.501	ug/l	97
64) Tetrachloroethene	10.721	164	51330	18.929	ug/l	96
67) Ethyl Benzene	11.593	91	71754	4.992	ug/l	97
68) m/p-Xylenes	11.703	106	91049	16.510	ug/l	91
69) o-Xylene	12.026	106	69879	13.371	ug/l	88
73) Isopropylbenzene	12.331	105	26739	4.491	ug/l	99
78) n-propylbenzene	12.672	91	63268	8.806	ug/l	95
79) 2-Chlorotoluene	12.758	91	65636	17.073	ug/l	78
80) 1,3,5-Trimethylbenzene	12.812	105	110055	23.117	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	265582	56.635	ug/l	96
85) sec-Butylbenzene	13.251	105	13106	2.023	ug/l #	62
86) p-Isopropyltoluene	13.367	119	11988	2.241	ug/l #	75
91) 1,2-Dichlorobenzene	13.739	146	14960	6.174	ug/l	85

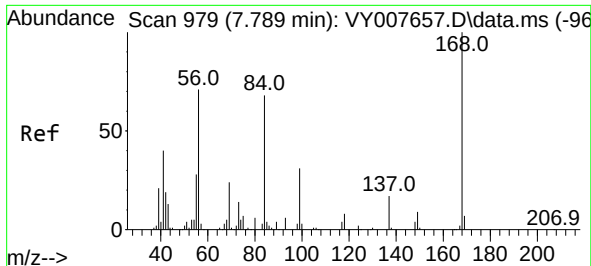
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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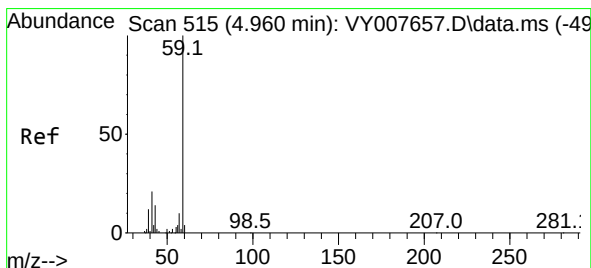
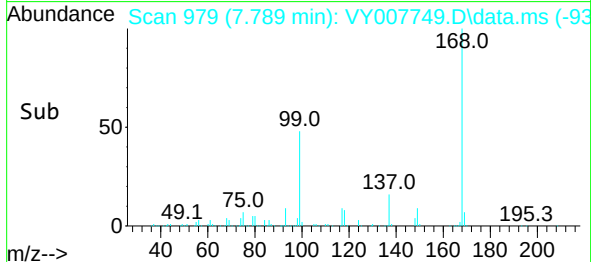
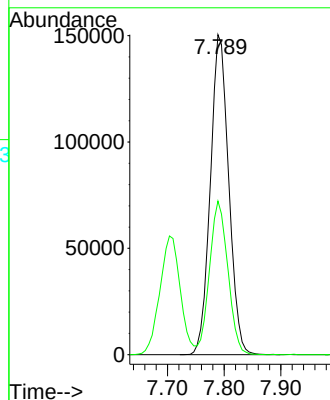
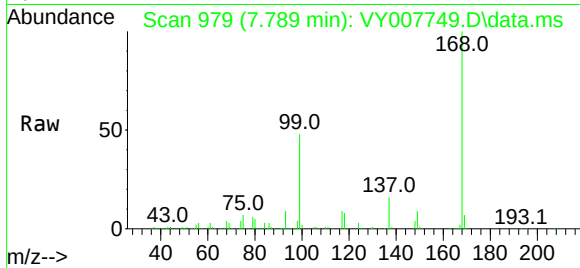




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

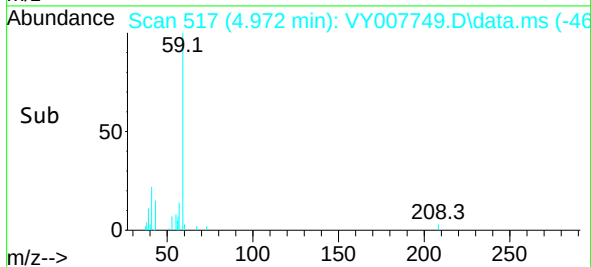
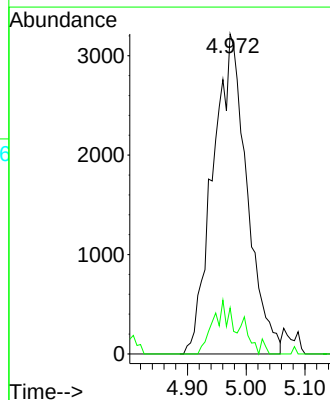
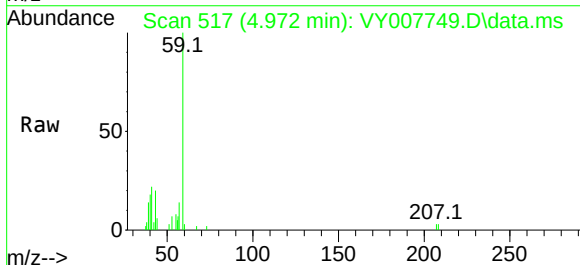
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-COMP-B

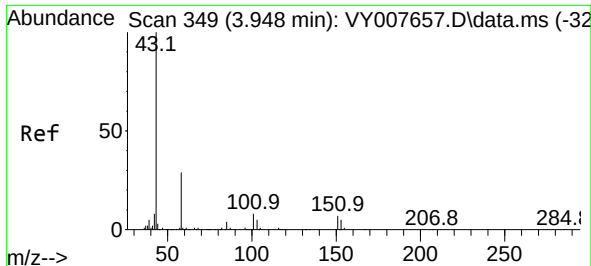
Tgt Ion:168 Resp: 338391
Ion Ratio Lower Upper
168 100
99 48.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 42.156 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion: 59 Resp: 12930
Ion Ratio Lower Upper
59 100
57 8.9 6.4 9.6

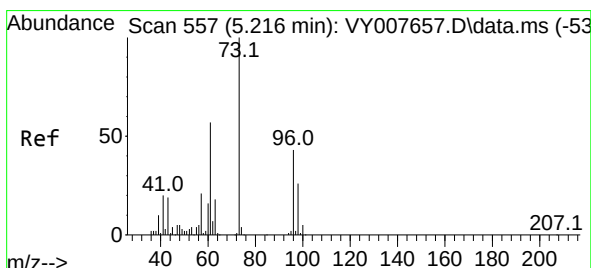
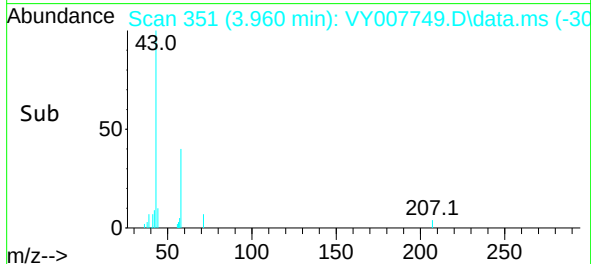
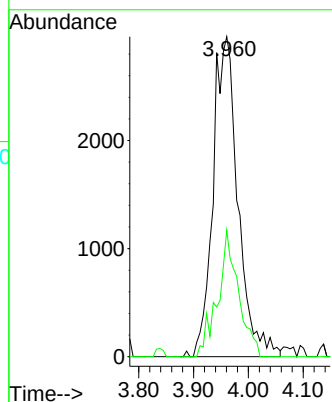
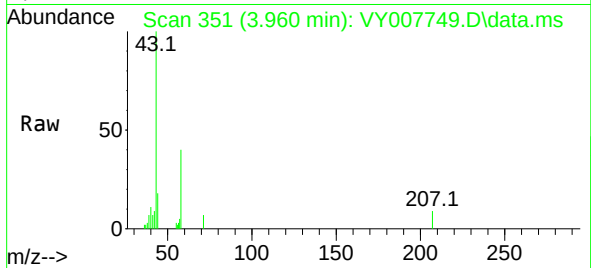




#16
Acetone
Concen: 12.995 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

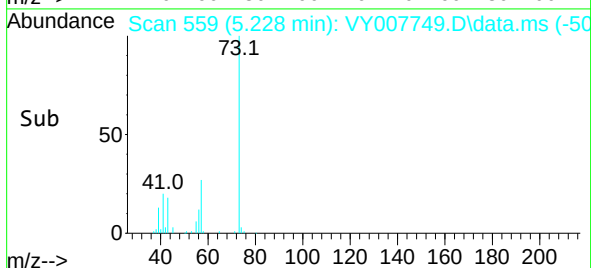
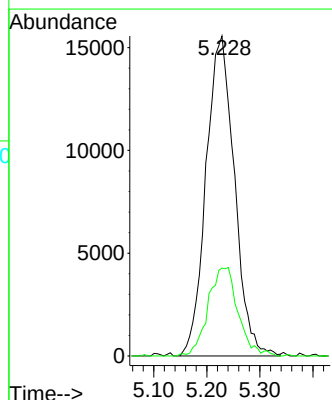
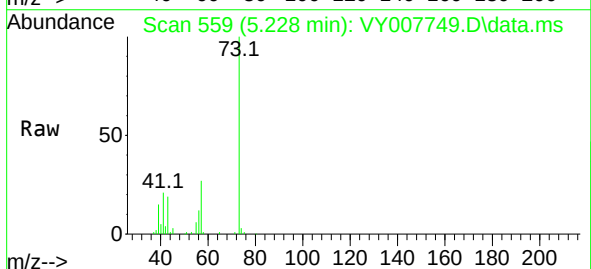
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-COMP-B

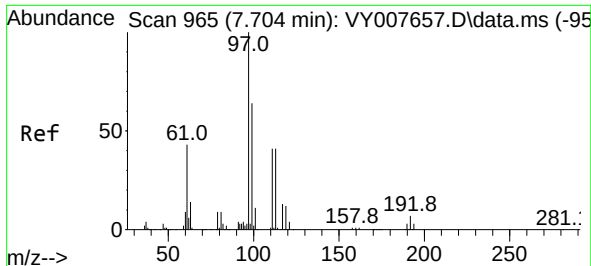
Tgt Ion: 43 Resp: 9365
Ion Ratio Lower Upper
43 100
58 39.5 22.0 33.0#



#19
Methyl tert-butyl Ether
Concen: 5.938 ug/l
RT: 5.228 min Scan# 559
Delta R.T. 0.012 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion: 73 Resp: 57916
Ion Ratio Lower Upper
73 100
57 27.5 18.6 27.8



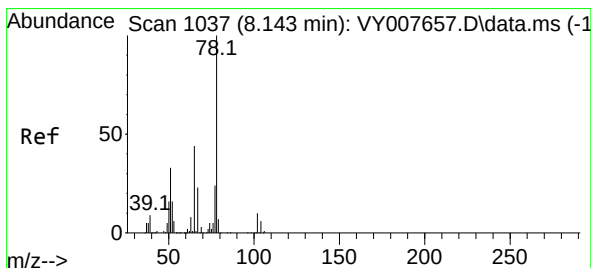
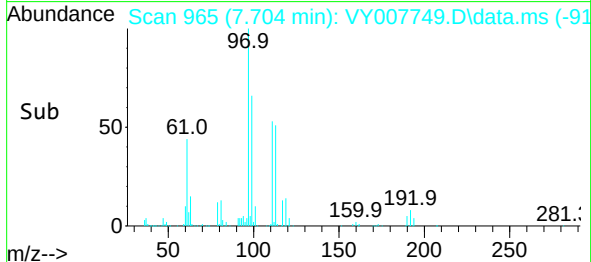
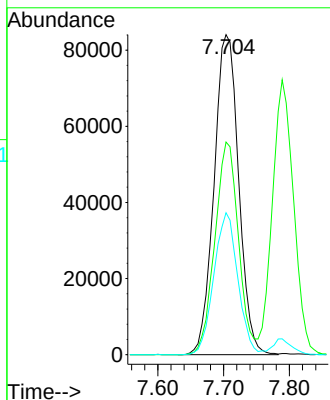
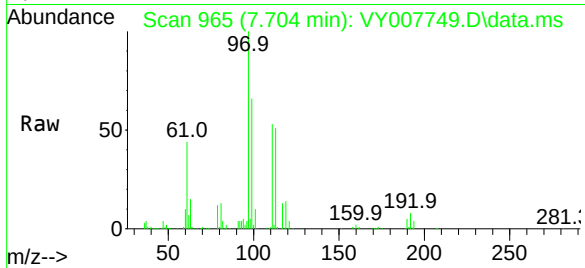


#32
 1,1,1-Trichloroethane
 Concen: 34.832 ug/l
 RT: 7.704 min Scan# 965
 Delta R.T. -0.000 min
 Lab File: VY007749.D
 Acq: 04 Mar 2022 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-COMP-B

Tgt Ion: 97 Resp: 219108

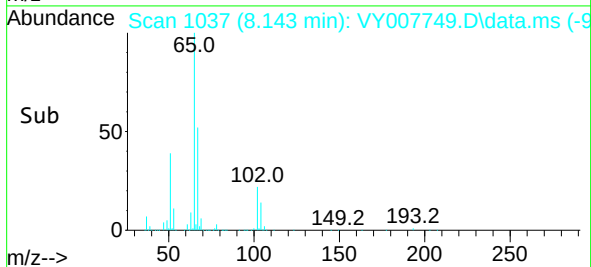
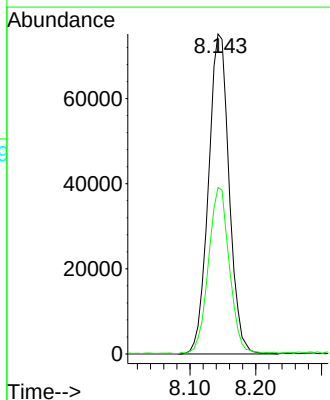
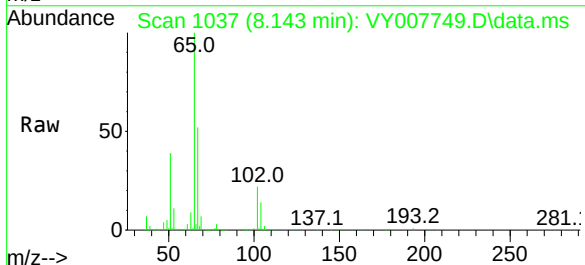
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.4	37.6	56.4

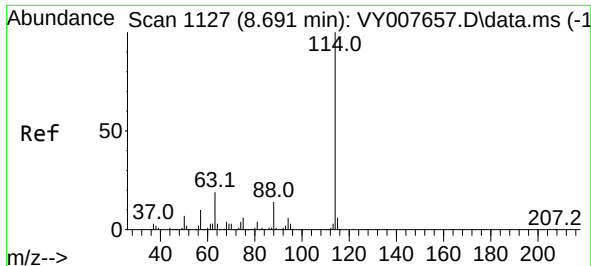


#33
 1,2-Dichloroethane-d4
 Concen: 46.409 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY007749.D
 Acq: 04 Mar 2022 18:04

Tgt Ion: 65 Resp: 164409

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	99.4

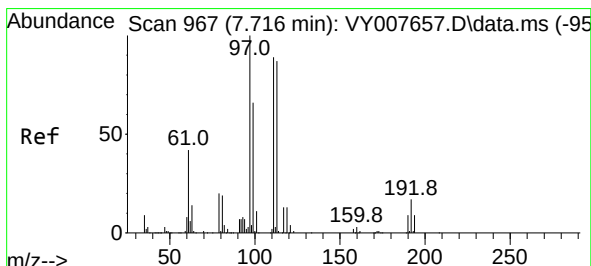
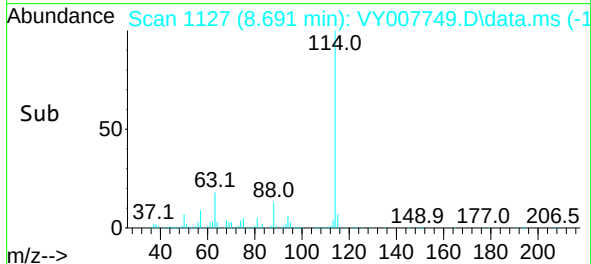
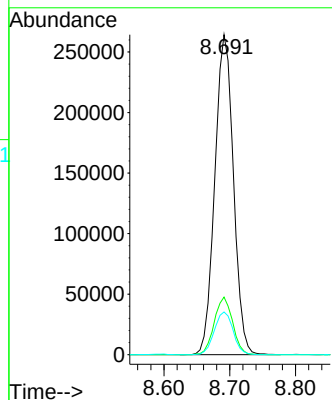
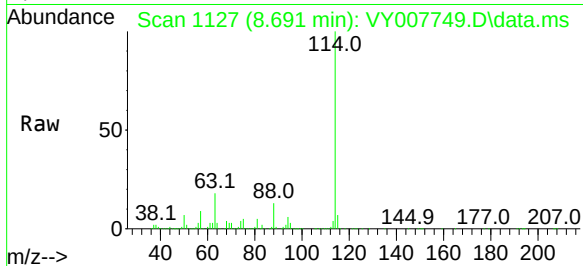




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

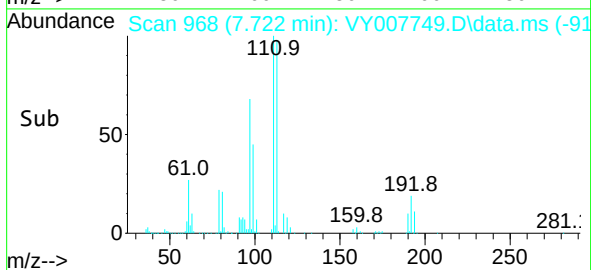
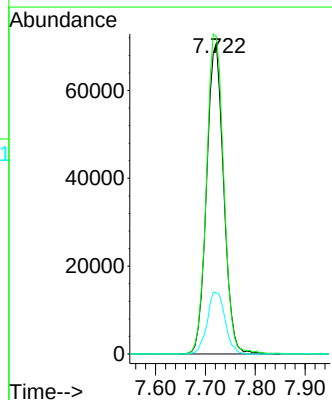
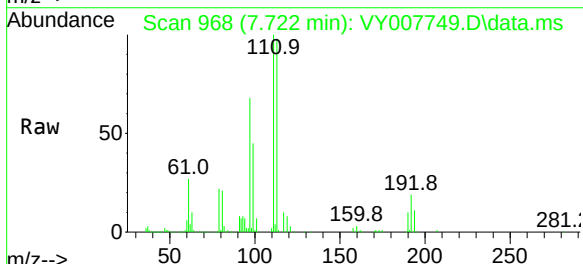
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-COMP-B

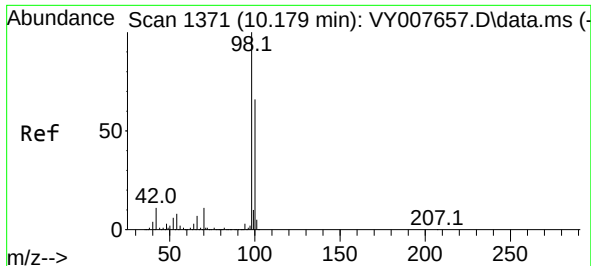
Tgt Ion:114 Resp: 521055
Ion Ratio Lower Upper
114 100
63 18.0 0.0 43.2
88 13.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.276 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion:113 Resp: 167483
Ion Ratio Lower Upper
113 100
111 104.8 82.6 124.0
192 21.0 17.6 26.4

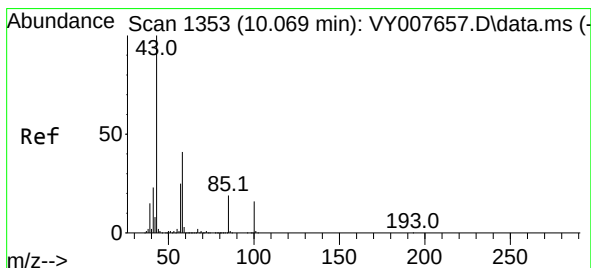
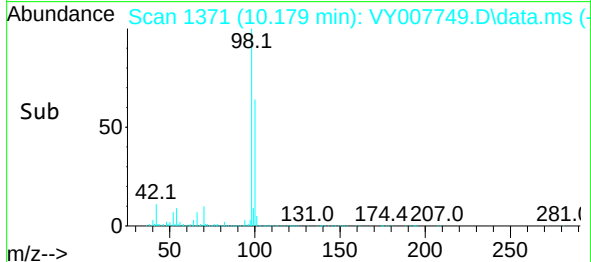
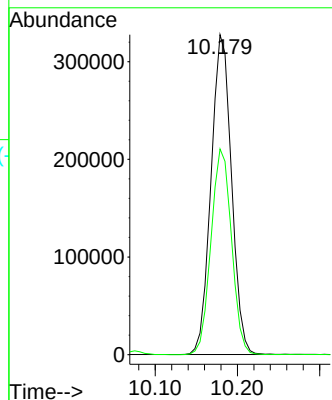
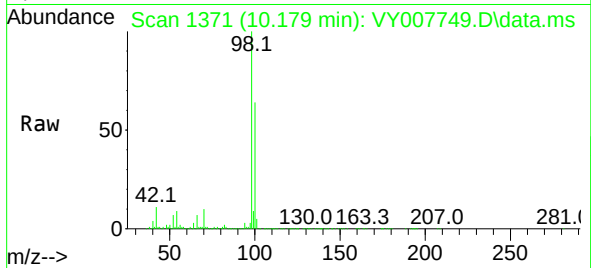




#50
Toluene-d8
Concen: 46.129 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

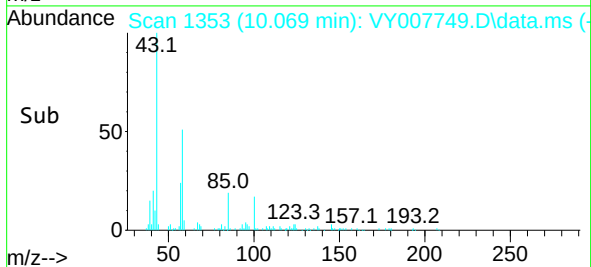
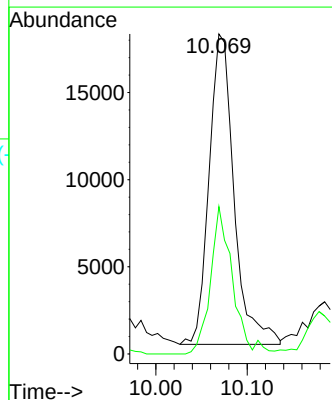
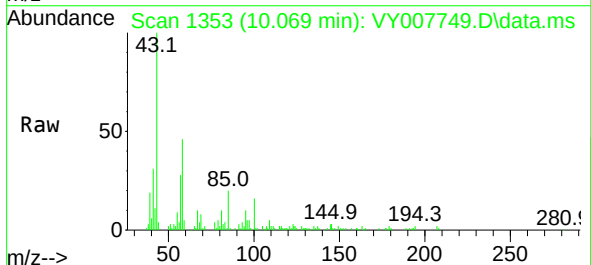
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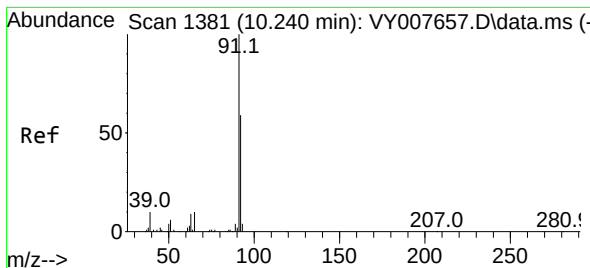
Tgt Ion: 98 Resp: 565657
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 11.804 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion: 43 Resp: 33806
Ion Ratio Lower Upper
43 100
58 40.3 28.1 42.1





#52

Toluene

Concen: 19.501 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY007749.D

Acq: 04 Mar 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

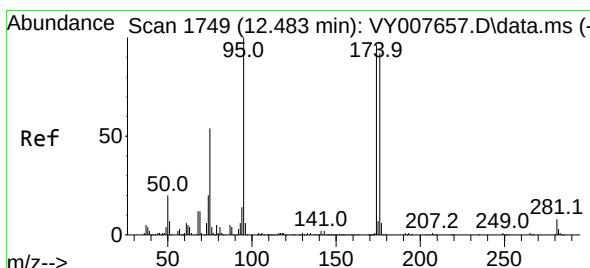
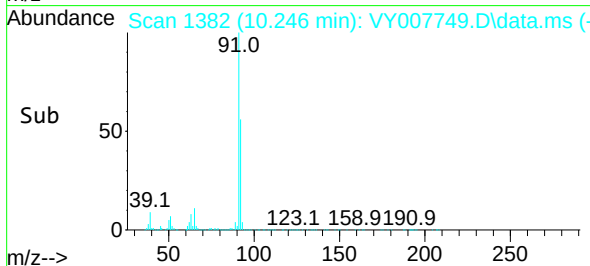
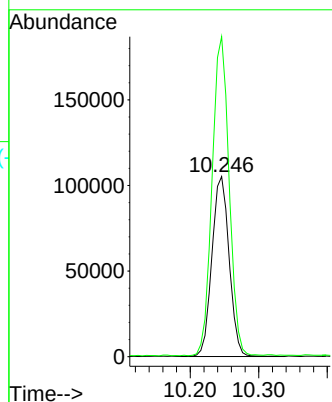
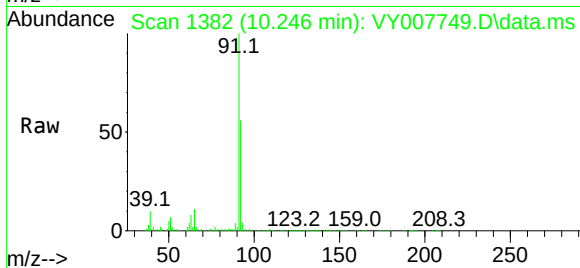
DRUM-COMP-B

Tgt Ion: 92 Resp: 183895

Ion Ratio Lower Upper

92 100

91 174.2 142.6 213.8



#62

4-Bromofluorobenzene

Concen: 28.643 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY007749.D

Acq: 04 Mar 2022 18:04

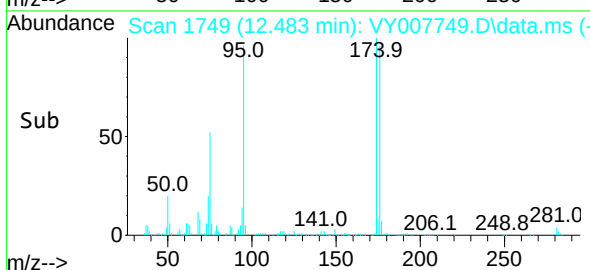
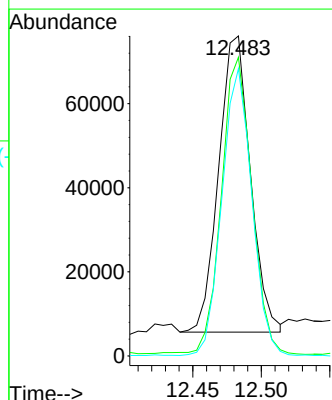
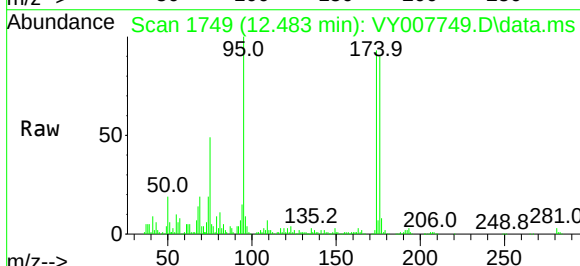
Tgt Ion: 95 Resp: 113218

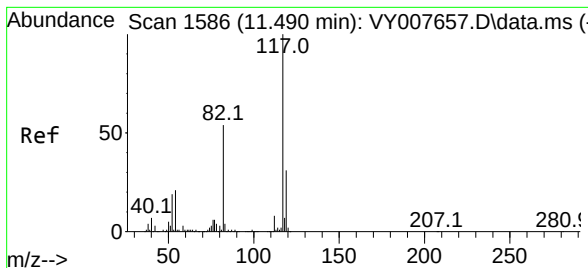
Ion Ratio Lower Upper

95 100

174 96.5 0.0 177.0

176 92.1 0.0 175.8

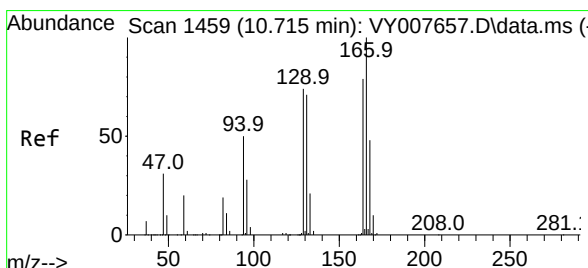
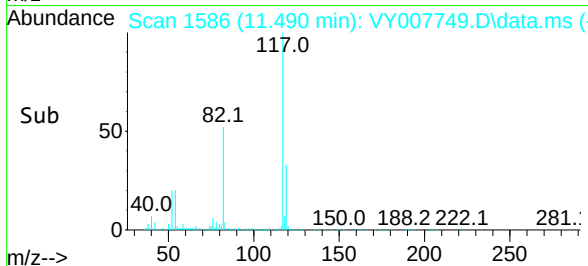
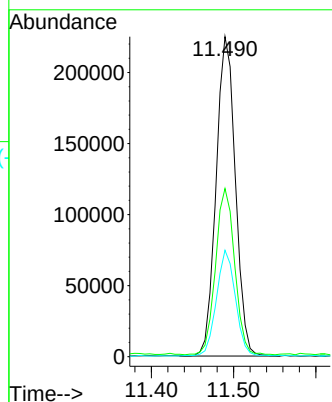
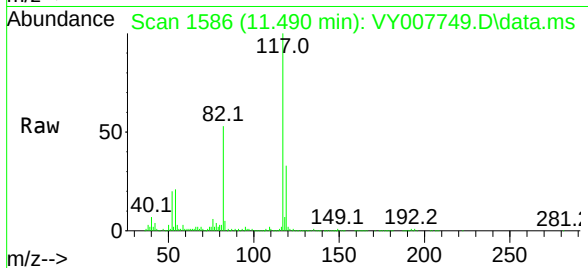




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

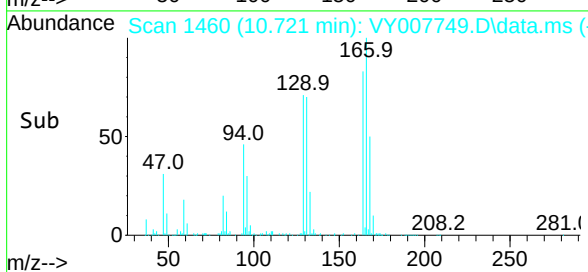
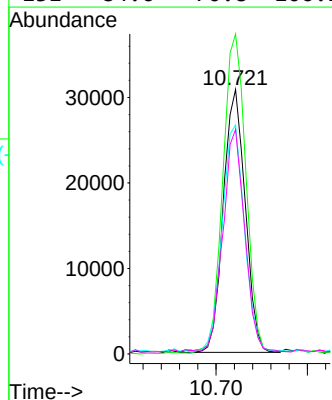
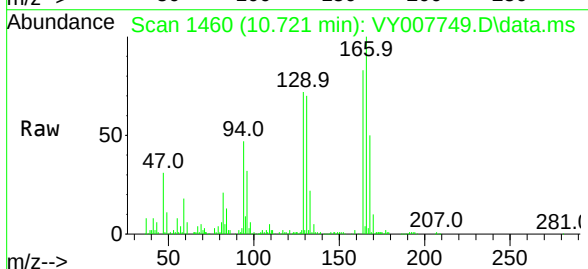
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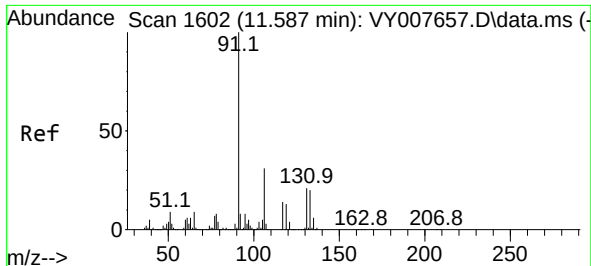
Tgt Ion:117 Resp: 365832
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 33.1 25.4 38.0



#64
Tetrachloroethene
Concen: 18.929 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion:164 Resp: 51330
Ion Ratio Lower Upper
164 100
166 121.4 100.4 150.6
129 86.0 71.4 107.0
131 84.6 70.8 106.2





#67

Ethyl Benzene

Concen: 4.992 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY007749.D

Acq: 04 Mar 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

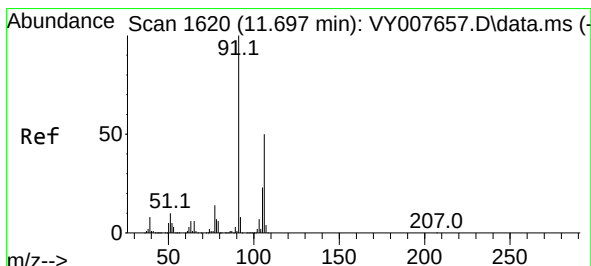
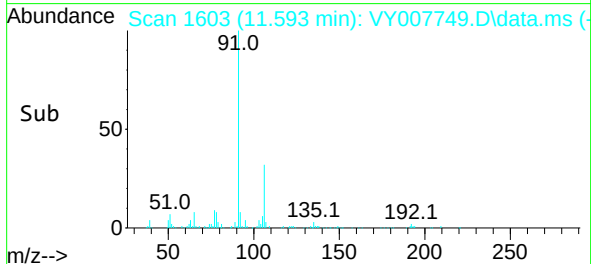
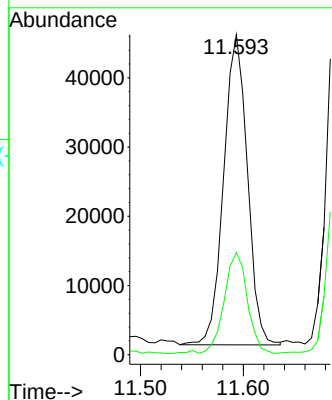
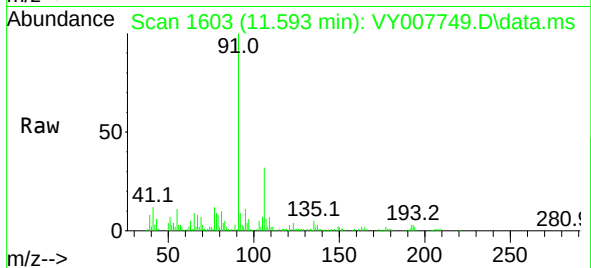
DRUM-COMP-B

Tgt Ion: 91 Resp: 71754

Ion Ratio Lower Upper

91 100

106 32.4 24.5 36.7



#68

m/p-Xylenes

Concen: 16.510 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY007749.D

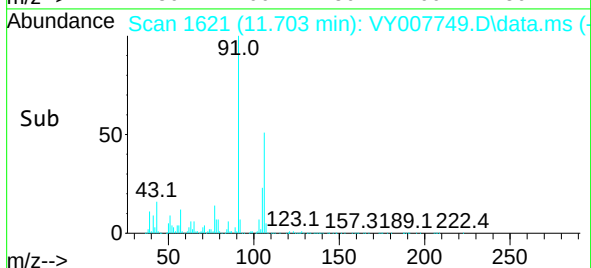
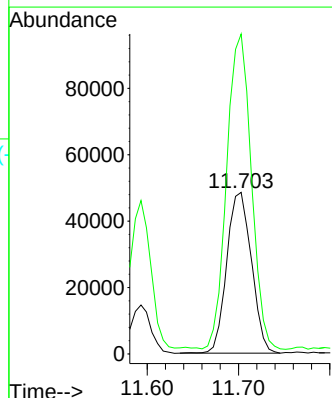
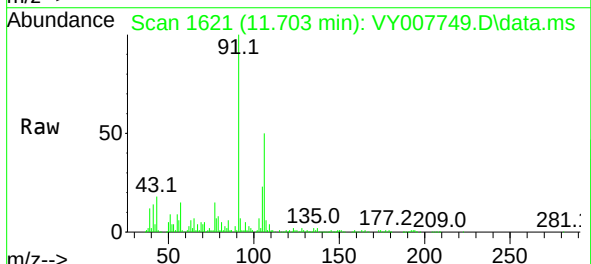
Acq: 04 Mar 2022 18:04

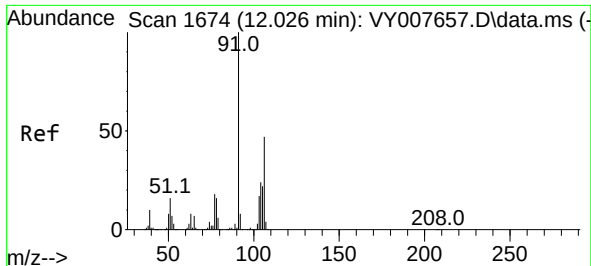
Tgt Ion:106 Resp: 91049

Ion Ratio Lower Upper

106 100

91 194.9 166.6 249.8

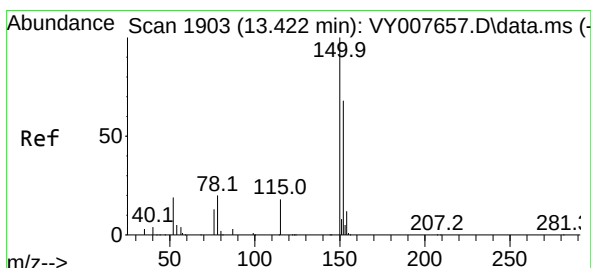
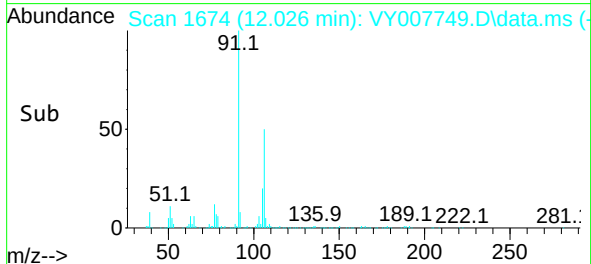
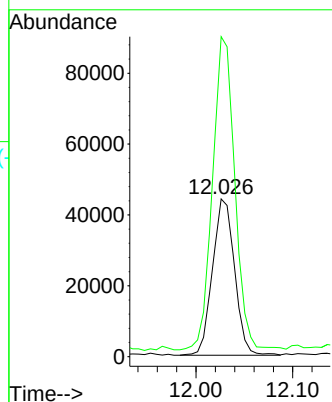
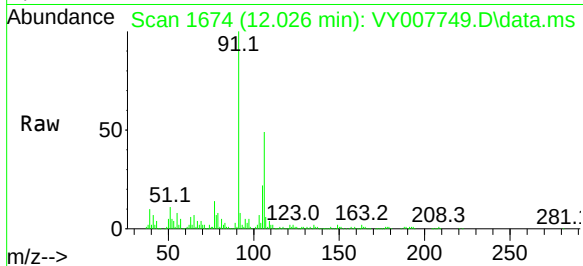




#69
o-Xylene
Concen: 13.371 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

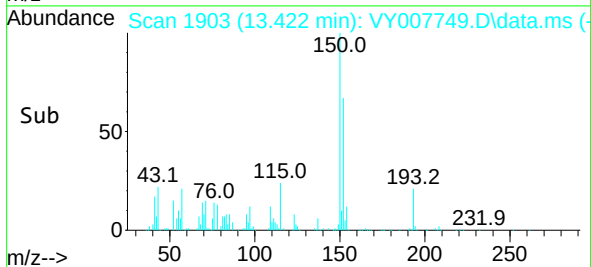
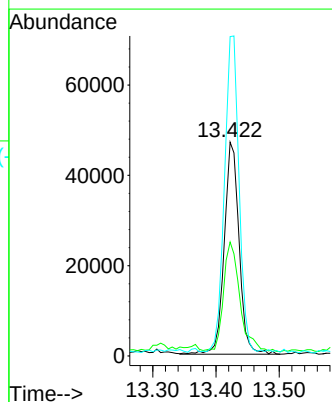
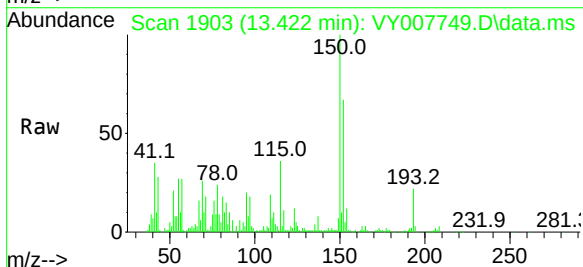
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-COMP-B

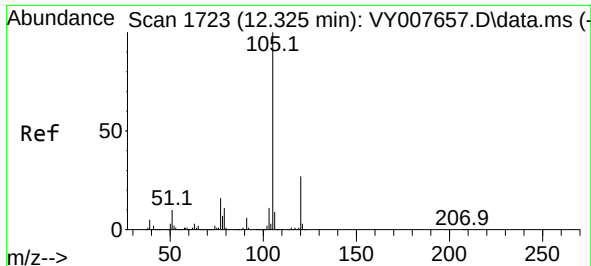
Tgt Ion:106 Resp: 69879
Ion Ratio Lower Upper
106 100
91 202.0 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion:152 Resp: 76424
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 144.8 0.0 347.6

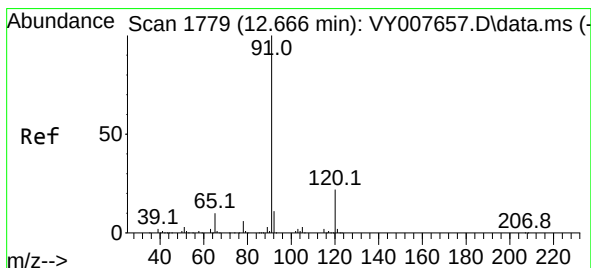
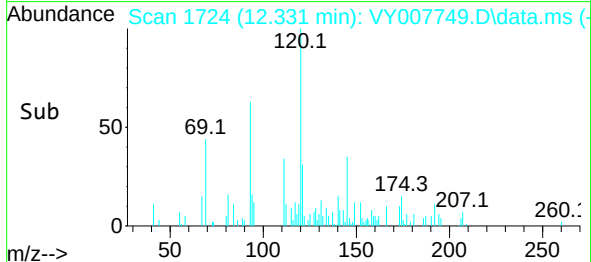
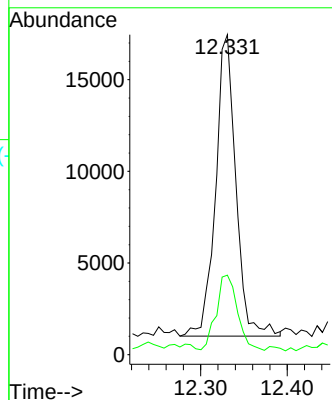
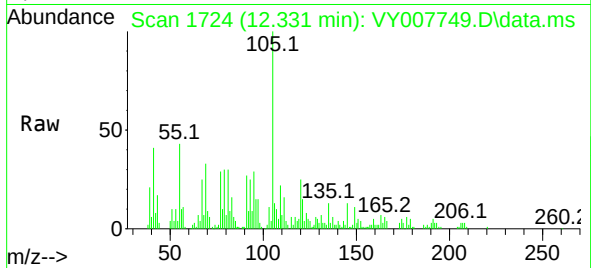




#73
Isopropylbenzene
Concen: 4.491 ug/l
RT: 12.331 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

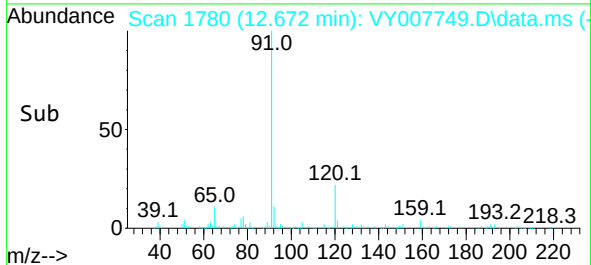
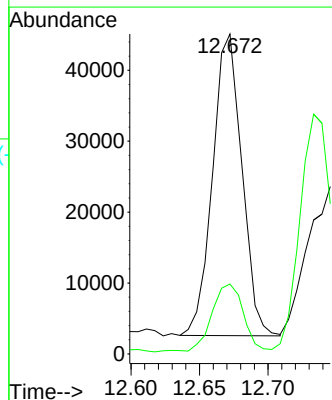
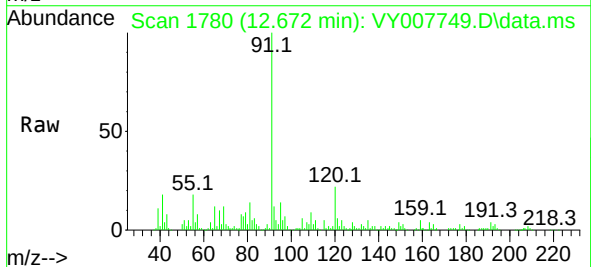
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-COMP-B

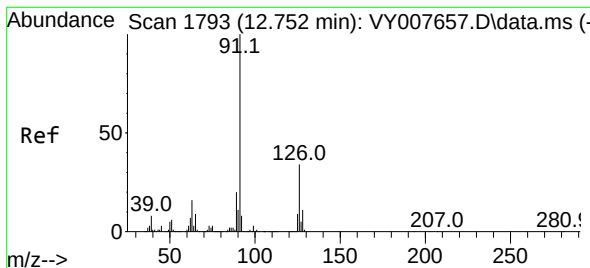
Tgt Ion:105 Resp: 26739
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2



#78
n-propylbenzene
Concen: 8.806 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion: 91 Resp: 63268
Ion Ratio Lower Upper
91 100
120 24.8 11.3 33.9

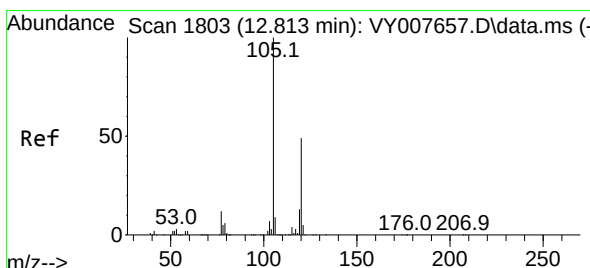
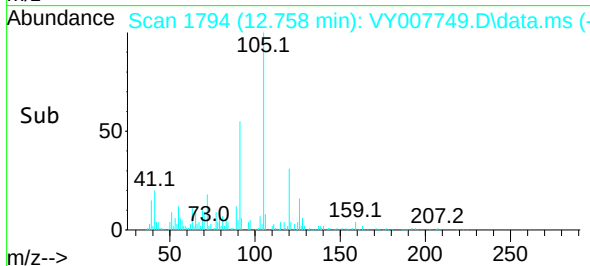
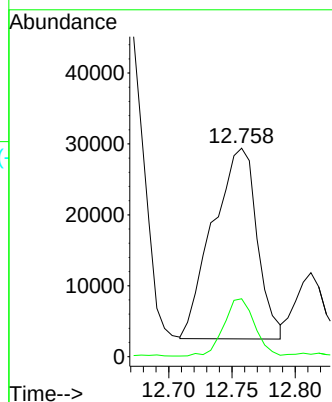
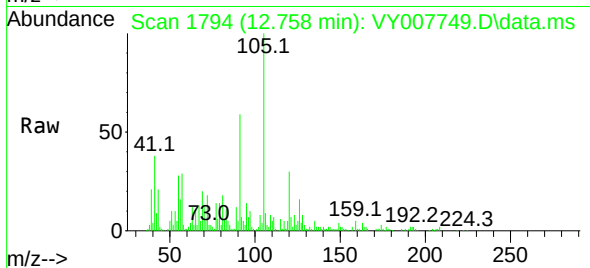




#79
2-Chlorotoluene
Concen: 17.073 ug/l
RT: 12.758 min Scan# 1793
Delta R.T. 0.006 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

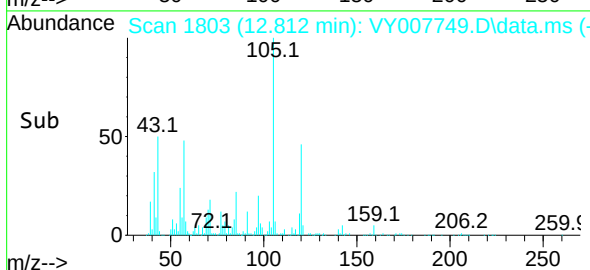
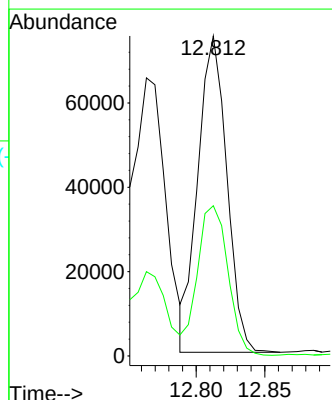
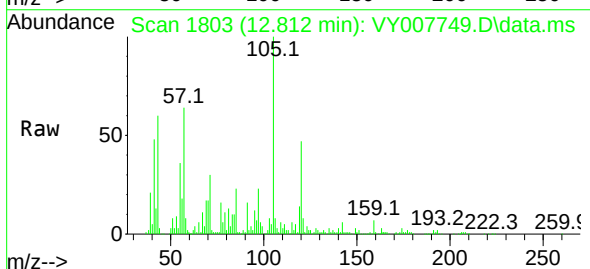
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-COMP-B

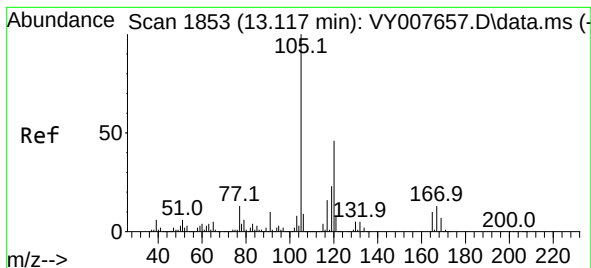
Tgt Ion: 91 Resp: 65636
Ion Ratio Lower Upper
91 100
126 21.0 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 23.117 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY007749.D
Acq: 04 Mar 2022 18:04

Tgt Ion: 105 Resp: 110055
Ion Ratio Lower Upper
105 100
120 49.9 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 56.635 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY007749.D

Acq: 04 Mar 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

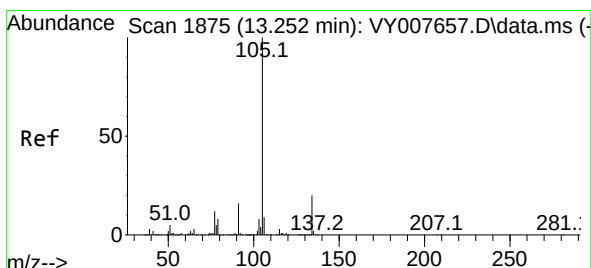
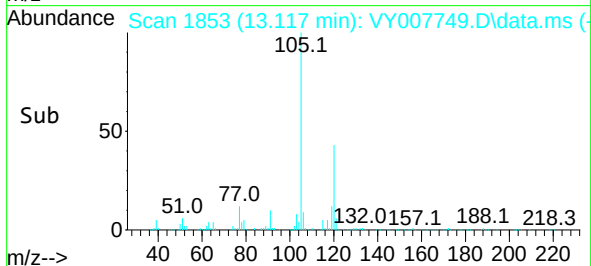
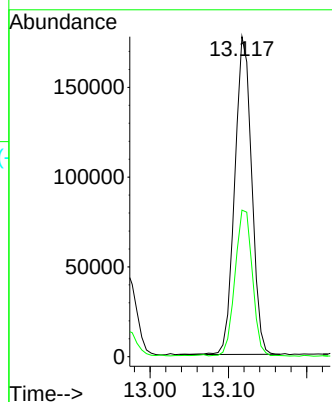
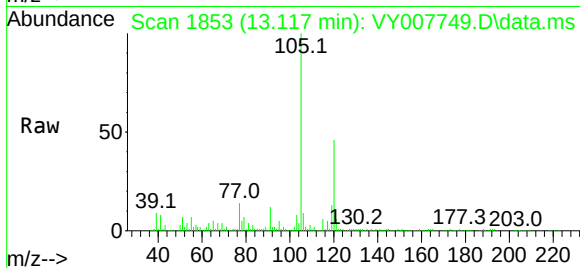
DRUM-COMP-B

Tgt Ion:105 Resp: 265582

Ion Ratio Lower Upper

105 100

120 47.1 22.3 66.9



#85

sec-Butylbenzene

Concen: 2.023 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.001 min

Lab File: VY007749.D

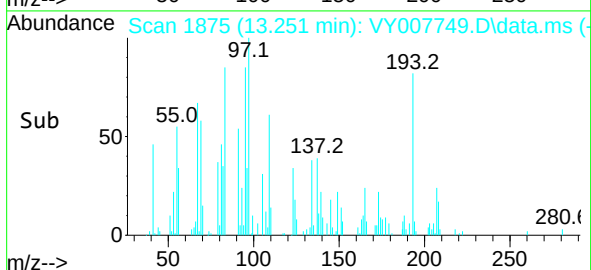
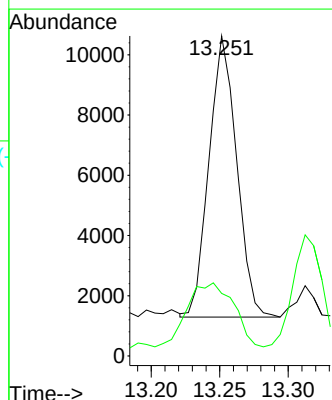
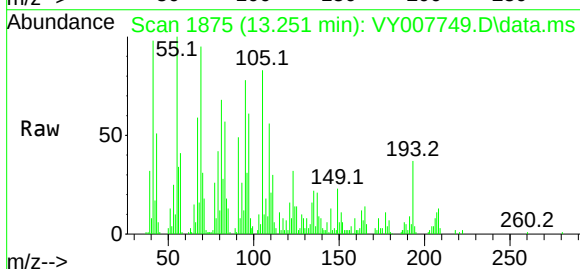
Acq: 04 Mar 2022 18:04

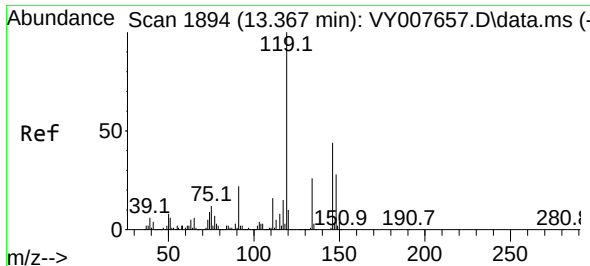
Tgt Ion:105 Resp: 13106

Ion Ratio Lower Upper

105 100

134 38.0 10.2 30.4#

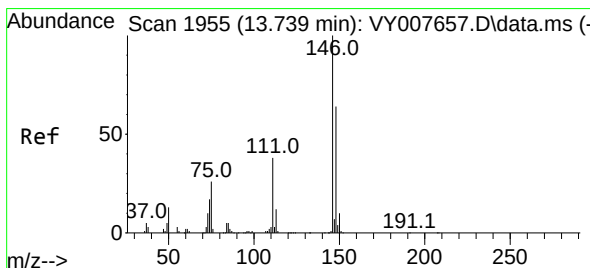
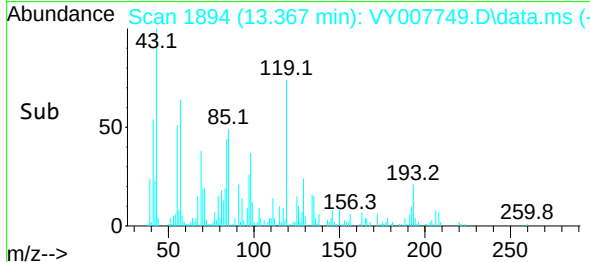
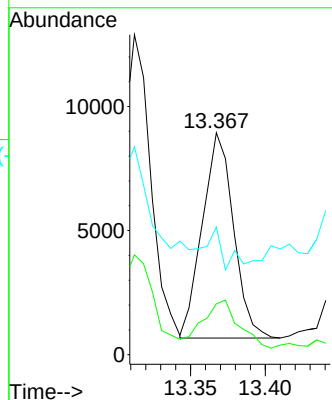
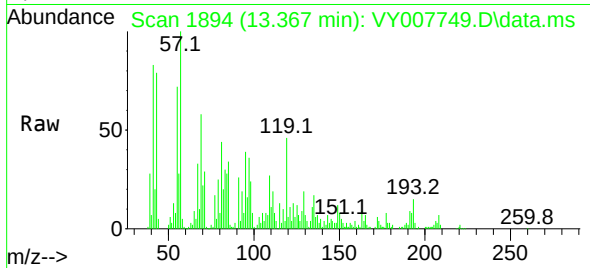




#86
 p-Isopropyltoluene
 Concen: 2.241 ug/l
 RT: 13.367 min Scan# 1198
 Delta R.T. 0.000 min
 Lab File: VY007749.D
 Acq: 04 Mar 2022 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-COMP-B

Tgt Ion:119 Resp: 11988
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.5
 91 0.0 12.4 37.2#



#91
 1,2-Dichlorobenzene
 Concen: 6.174 ug/l
 RT: 13.739 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VY007749.D
 Acq: 04 Mar 2022 18:04

Tgt Ion:146 Resp: 14960
 Ion Ratio Lower Upper
 146 100
 111 59.7 20.3 60.9
 148 68.6 32.3 96.9

