

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008613.D
 Acq On : 04 May 2022 15:36
 Operator : KP/MD
 Sample : N2619-06
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB03-13-14-FT

Quant Time: May 05 04:35:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

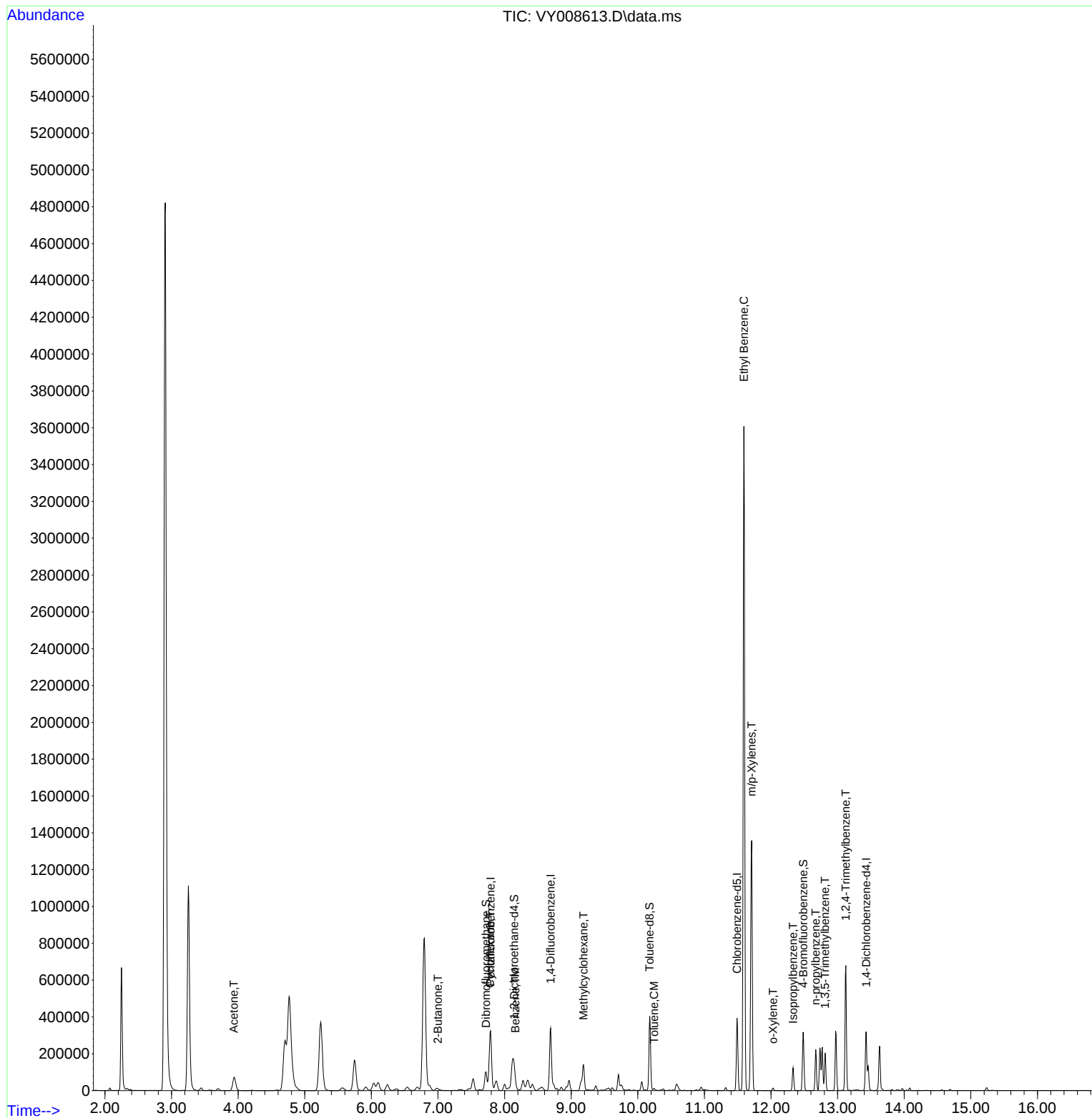
Internal Standards						
1) Pentafluorobenzene	7.789	168	132689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	229454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68646	53.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.460%	
35) Dibromofluoromethane	7.722	113	72780	47.712	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.420%	
50) Toluene-d8	10.179	98	274113	50.722	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	12.483	95	91907	46.400	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	47036	169.273	ug/l #	67
25) 2-Butanone	6.996	43	5860	13.138	ug/l #	81
31) Cyclohexane	7.783	56	100134	44.984	ug/l #	84
39) Methylcyclohexane	9.185	83	66635	21.296	ug/l #	85
40) Benzene	8.161	78	25539	3.728	ug/l	94
52) Toluene	10.246	92	4983	1.088	ug/l	86
67) Ethyl Benzene	11.593	91	2517854	270.784	ug/l	95
68) m/p-Xylenes	11.709	106	427124	112.447	ug/l	88
69) o-Xylene	12.032	106	3890	1.069	ug/l	88
73) Isopropylbenzene	12.331	105	79666	11.717	ug/l	99
78) n-propylbenzene	12.672	91	166386	21.030	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	105245	18.736	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	365592	65.480	ug/l	94

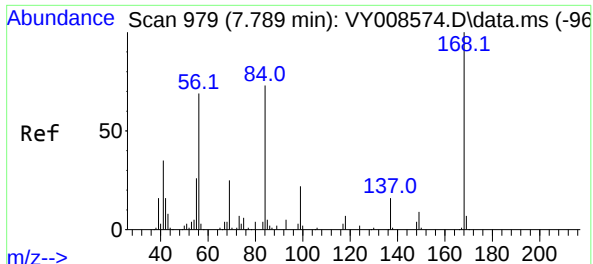
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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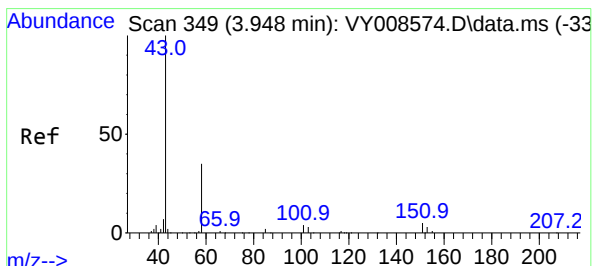
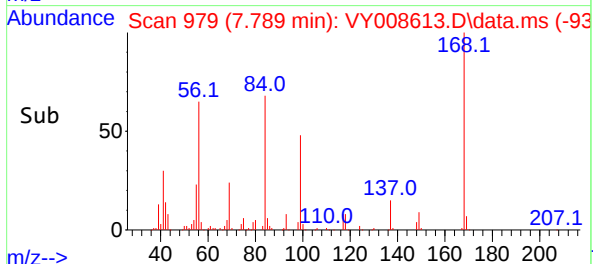
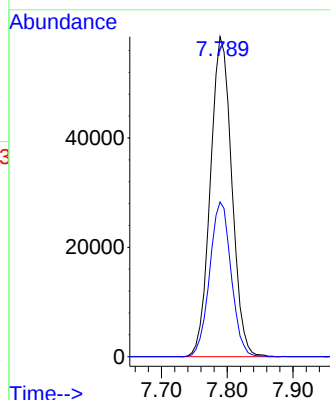
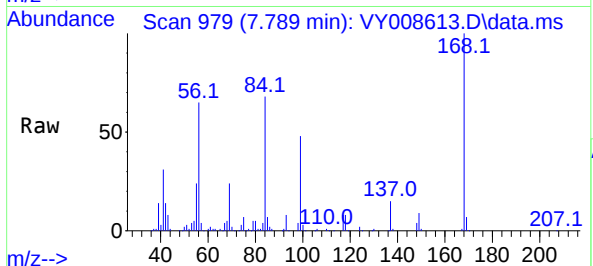




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

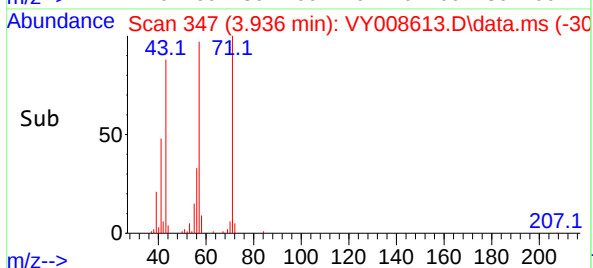
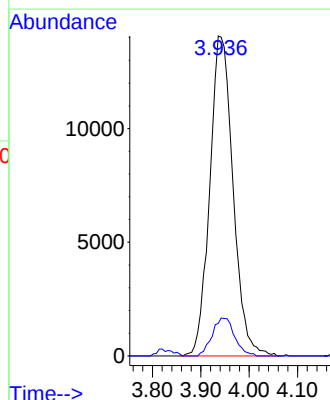
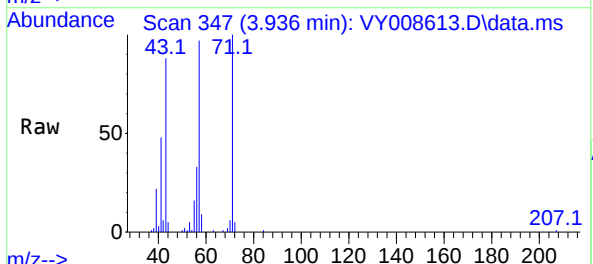
Instrument :
MSVOA_Y
ClientSampleId :
SB03-13-14-FT

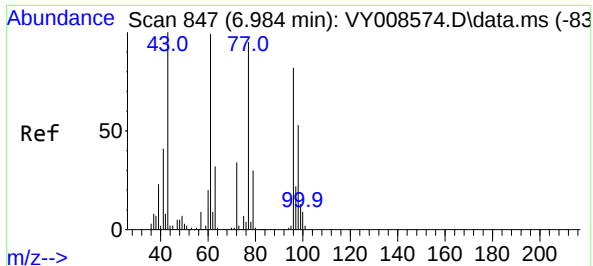
Tgt Ion:168 Resp: 132689
Ion Ratio Lower Upper
168 100
99 48.4 46.9 70.3



#16
Acetone
Concen: 169.273 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion: 43 Resp: 47036
Ion Ratio Lower Upper
43 100
58 10.2 22.0 33.0#

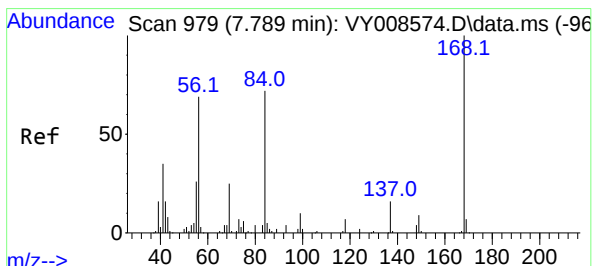
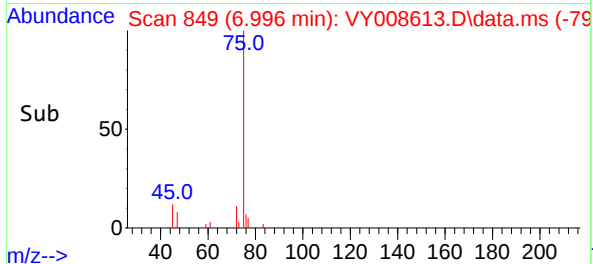
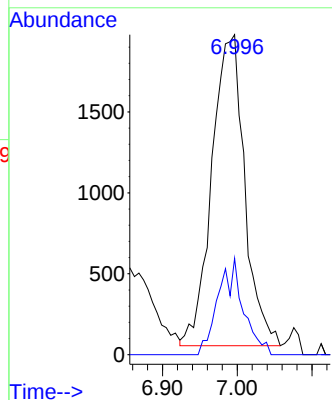
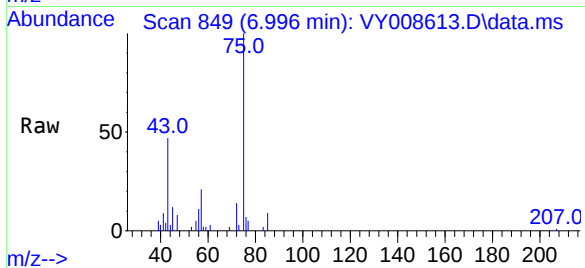




#25
2-Butanone
Concen: 13.138 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

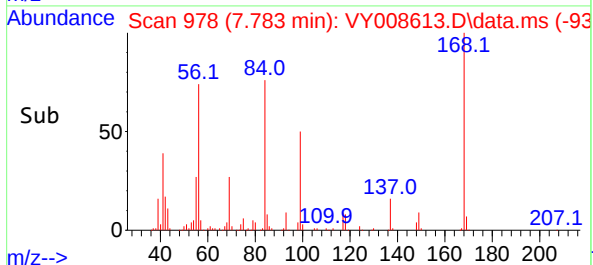
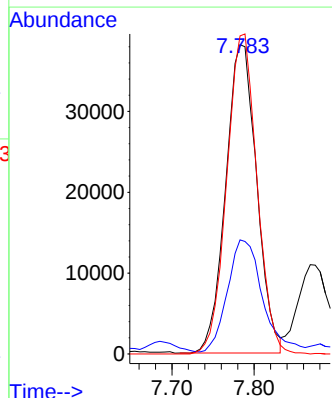
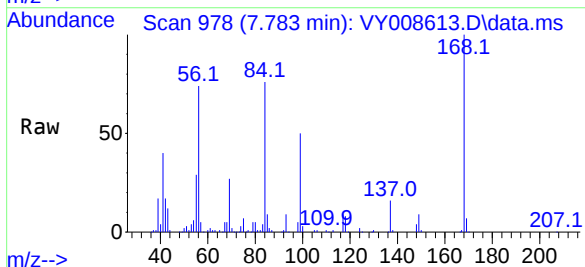
Instrument :
MSVOA_Y
ClientSampleId :
SB03-13-14-FT

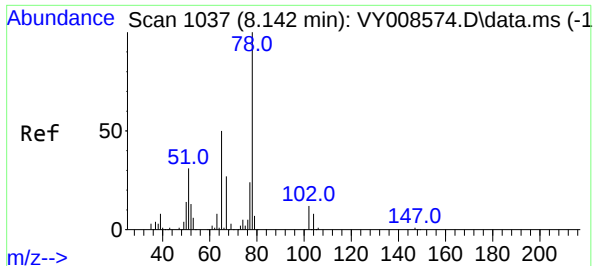
Tgt Ion: 43 Resp: 5860
Ion Ratio Lower Upper
43 100
72 31.0 17.7 26.5#



#31
Cyclohexane
Concen: 44.984 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion: 56 Resp: 100134
Ion Ratio Lower Upper
56 100
69 35.1 26.7 40.1
84 103.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.229 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008613.D

Acq: 04 May 2022 15:36

Instrument :

MSVOA_Y

ClientSampleId :

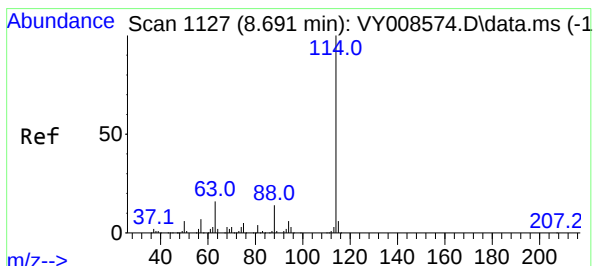
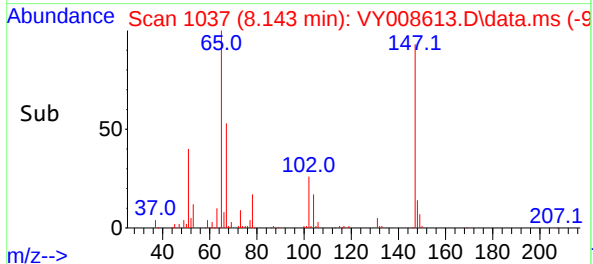
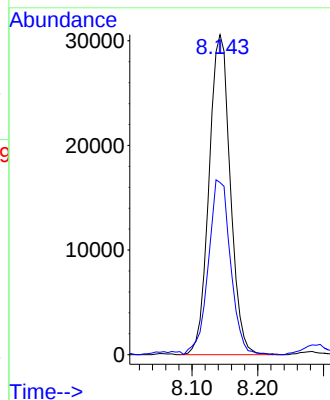
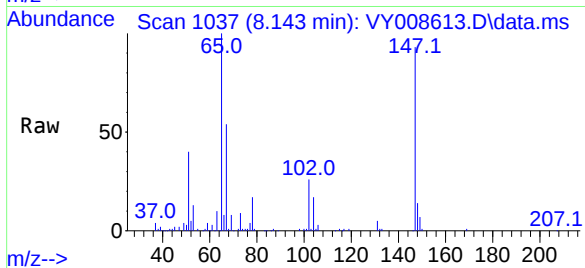
SB03-13-14-FT

Tgt Ion: 65 Resp: 68646

Ion Ratio Lower Upper

65 100

67 57.1 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: VY008613.D

Acq: 04 May 2022 15:36

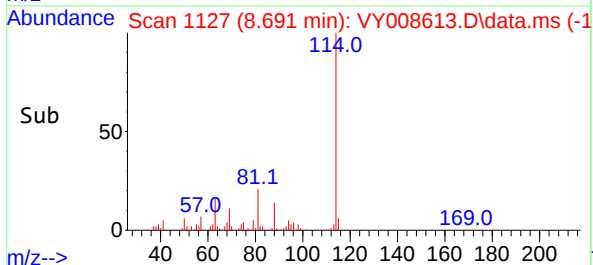
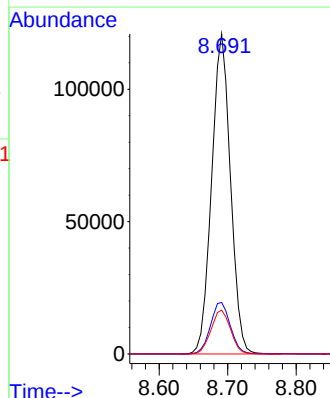
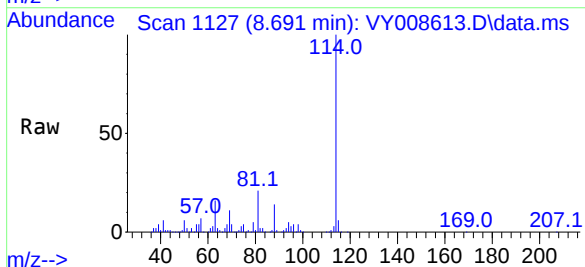
Tgt Ion: 114 Resp: 230528

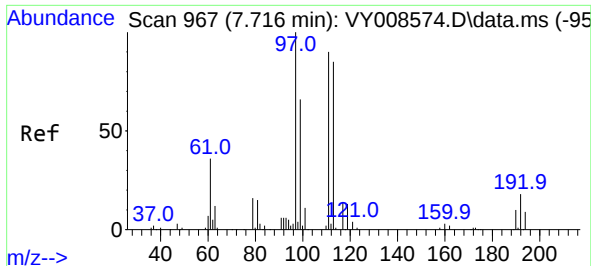
Ion Ratio Lower Upper

114 100

63 16.1 0.0 43.2

88 13.7 0.0 31.8

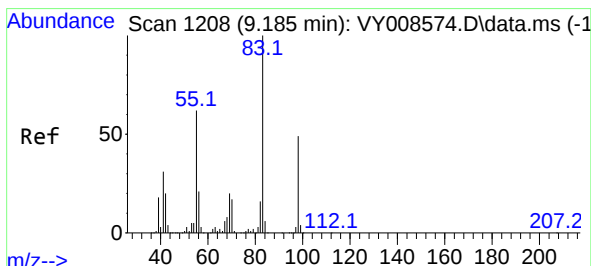
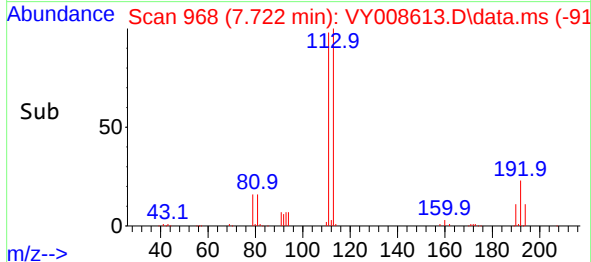
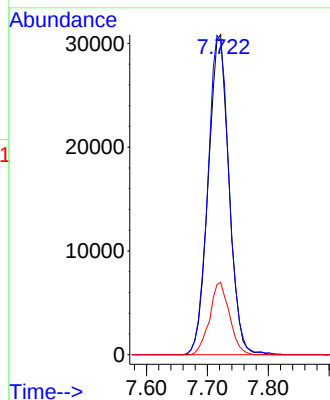
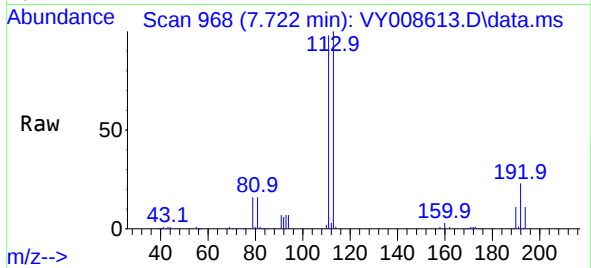




#35
Dibromofluoromethane
Concen: 47.712 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

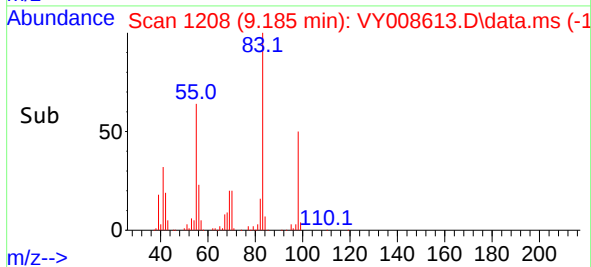
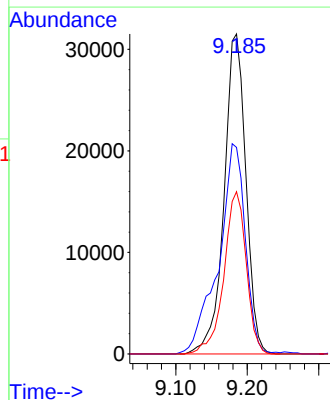
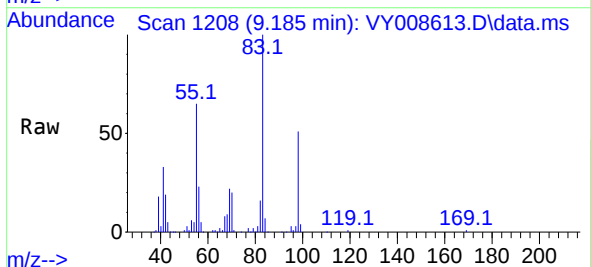
Instrument :
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SB03-13-14-FT

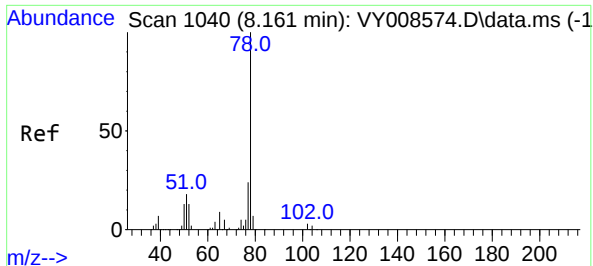
Tgt Ion:113 Resp: 72780
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 21.7 17.6 26.4



#39
Methylcyclohexane
Concen: 21.296 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion: 83 Resp: 66635
Ion Ratio Lower Upper
83 100
55 64.2 66.5 99.7#
98 50.7 37.9 56.9

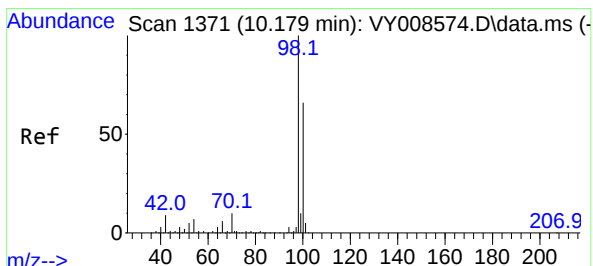
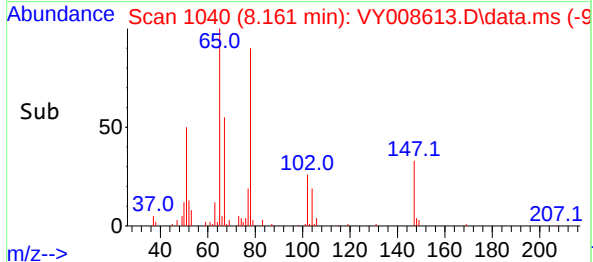
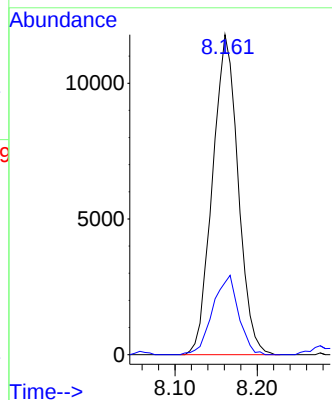
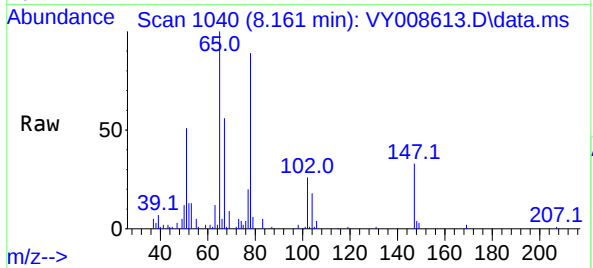




#40
Benzene
Concen: 3.728 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

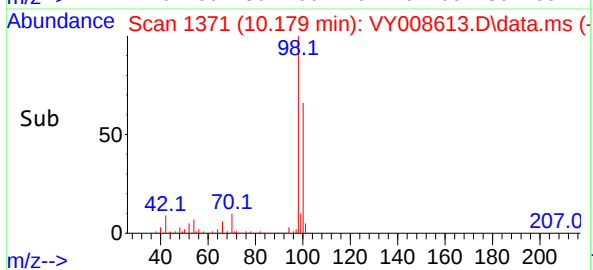
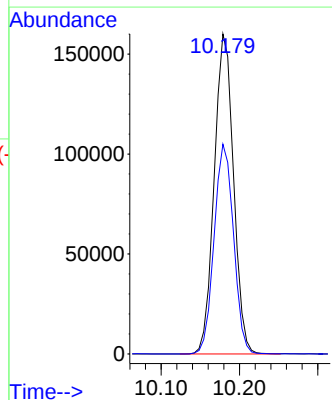
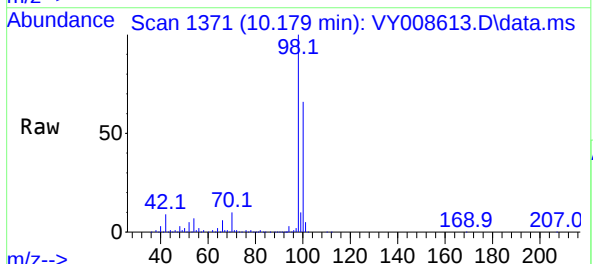
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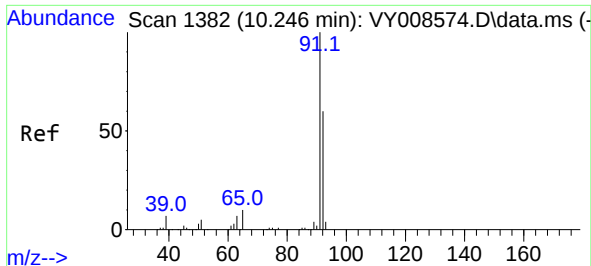
Tgt Ion: 78 Resp: 25539
Ion Ratio Lower Upper
78 100
77 22.6 20.4 30.6



#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion: 98 Resp: 274113
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

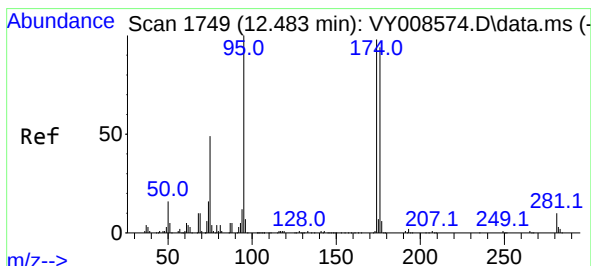
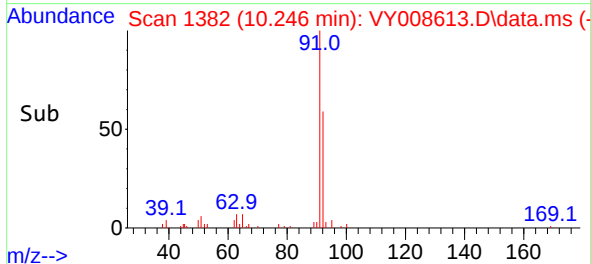
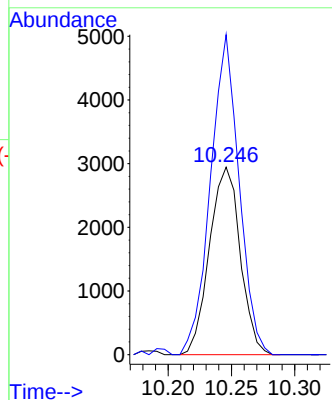
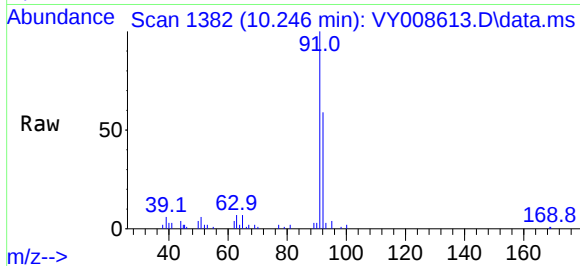




#52
Toluene
Concen: 1.088 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

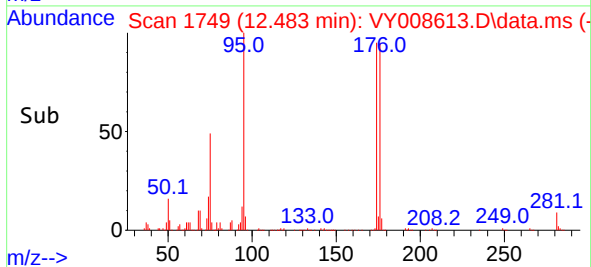
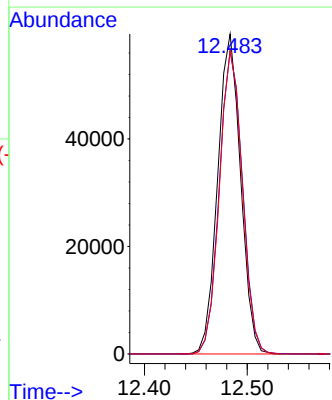
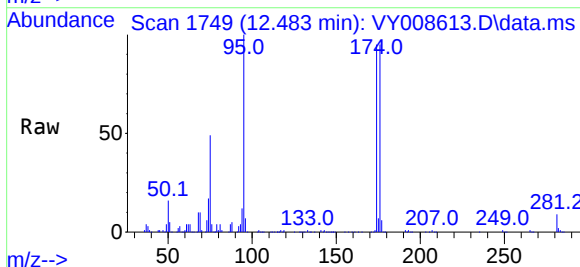
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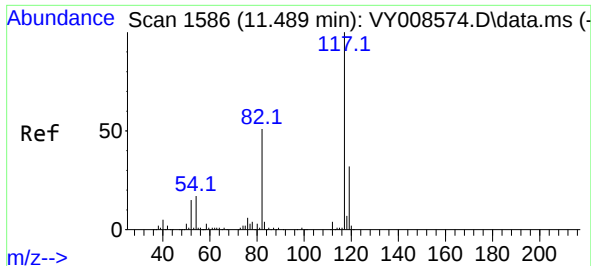
Tgt Ion: 92 Resp: 4983
Ion Ratio Lower Upper
92 100
91 158.6 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 46.400 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion: 95 Resp: 91907
Ion Ratio Lower Upper
95 100
174 95.9 0.0 177.0
176 94.8 0.0 175.8

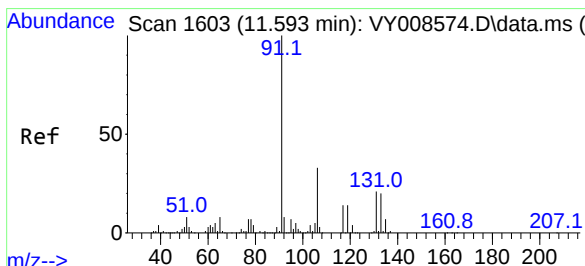
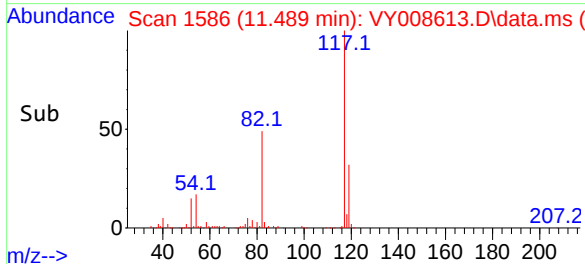
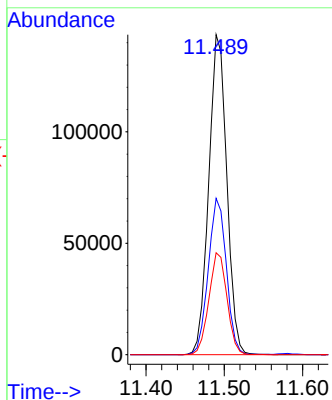
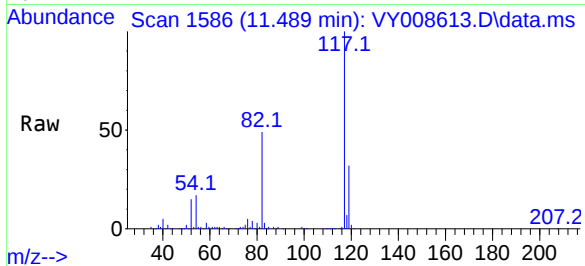




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

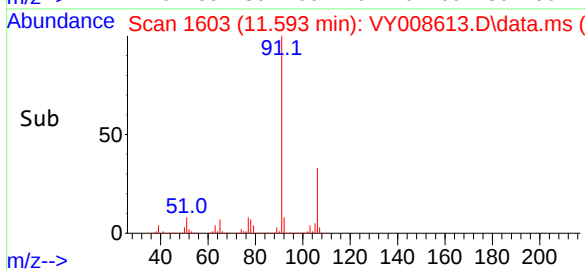
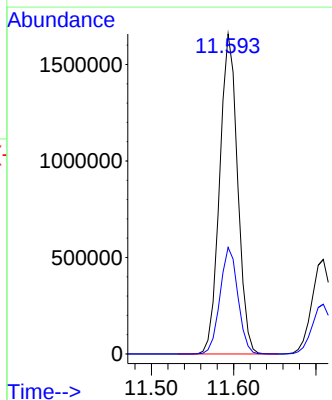
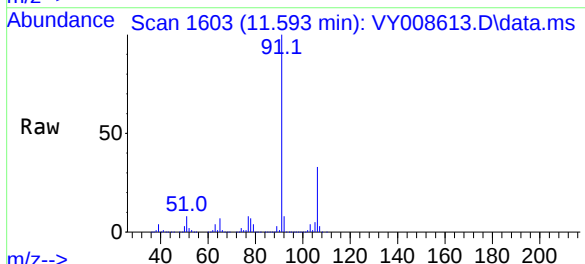
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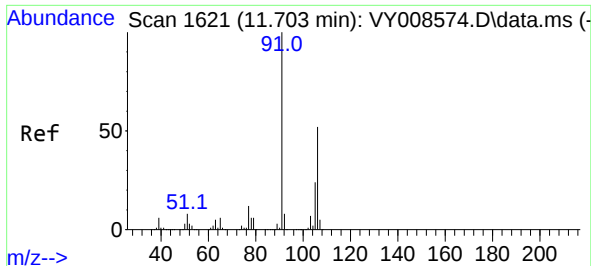
Tgt Ion:117 Resp: 229454
Ion Ratio Lower Upper
117 100
82 48.9 43.0 64.4
119 31.8 25.4 38.0



#67
Ethyl Benzene
Concen: 270.784 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion: 91 Resp: 2517854
Ion Ratio Lower Upper
91 100
106 33.3 24.5 36.7

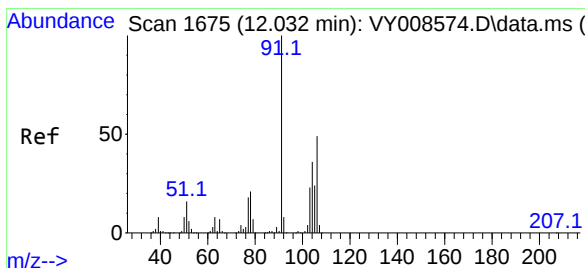
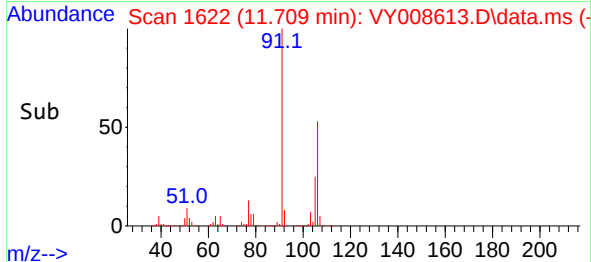
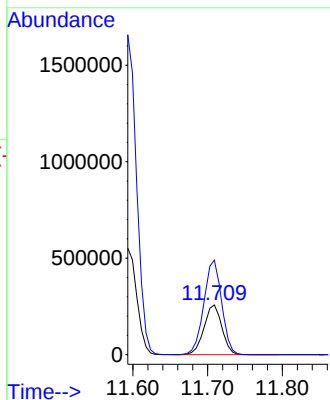
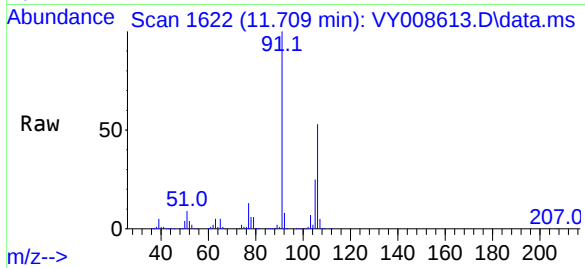




#68
m/p-Xylenes
Concen: 112.447 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

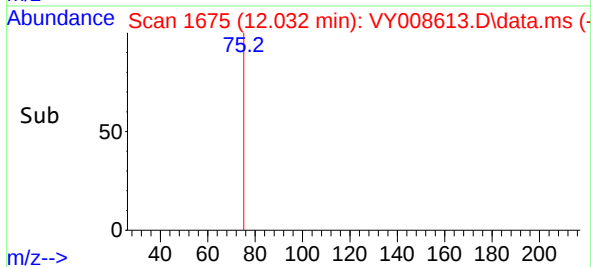
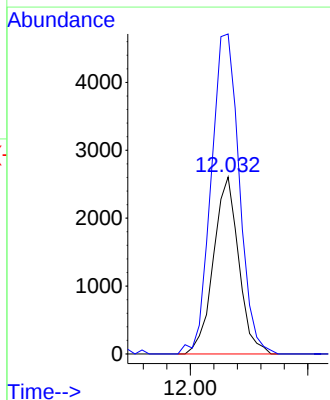
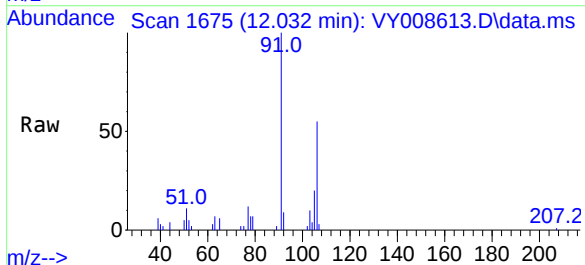
Instrument :
MSVOA_Y
ClientSampleId :
SB03-13-14-FT

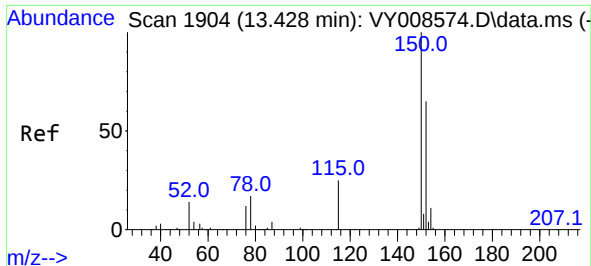
Tgt Ion:106 Resp: 427124
Ion Ratio Lower Upper
106 100
91 190.0 166.6 249.8



#69
o-Xylene
Concen: 1.069 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion:106 Resp: 3890
Ion Ratio Lower Upper
106 100
91 201.2 110.3 331.0

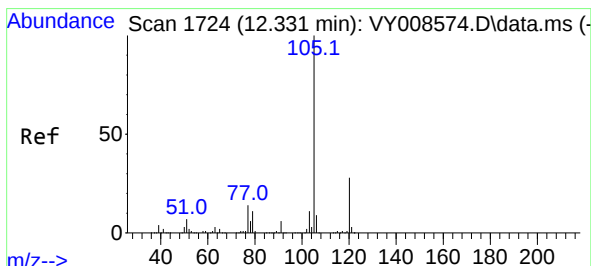
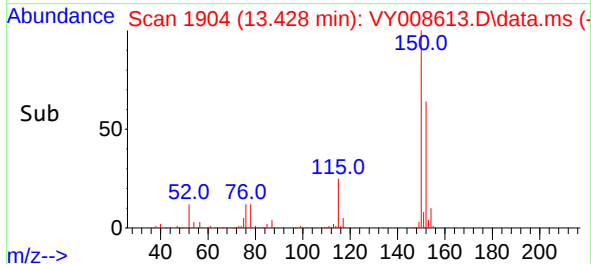
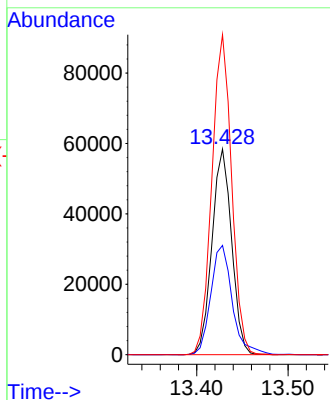
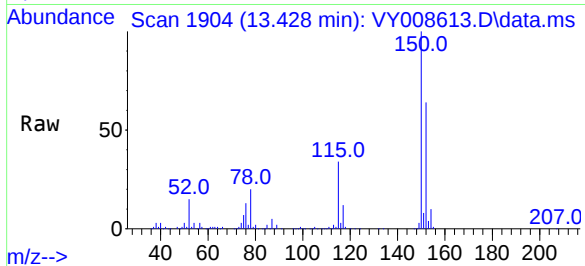




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

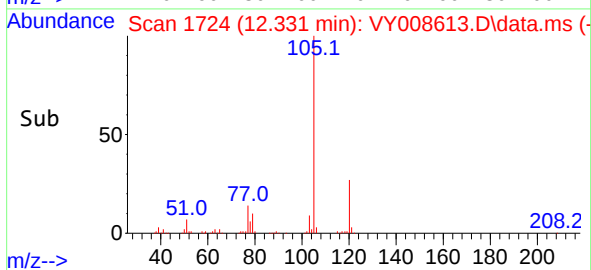
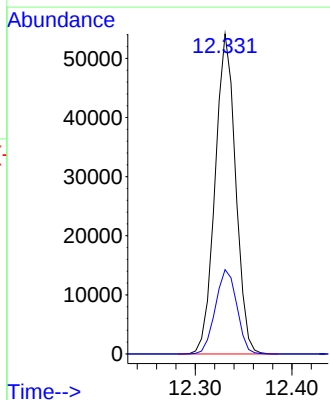
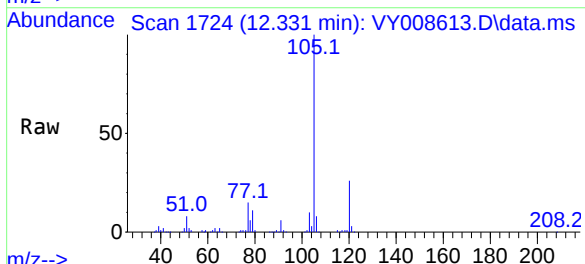
Instrument :
MSVOA_Y
ClientSampleId :
SB03-13-14-FT

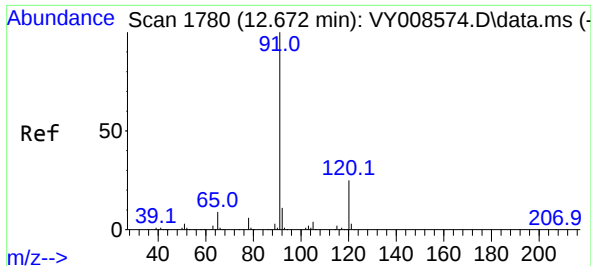
Tgt Ion:152 Resp: 87152
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 156.4 0.0 347.6



#73
Isopropylbenzene
Concen: 11.717 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion:105 Resp: 79666
Ion Ratio Lower Upper
105 100
120 27.5 13.4 40.2

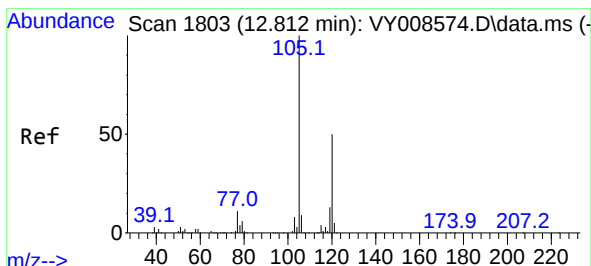
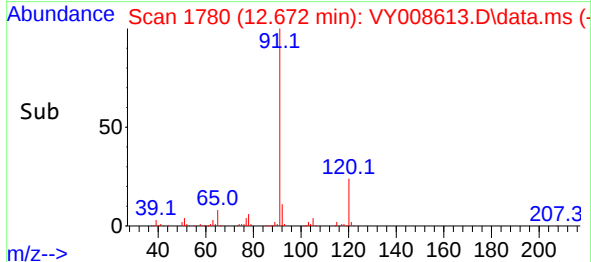
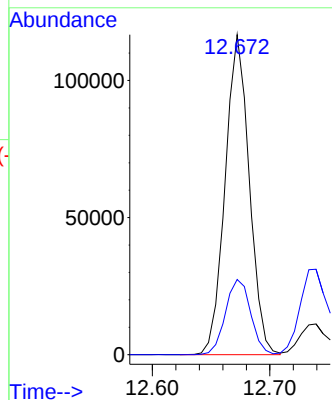
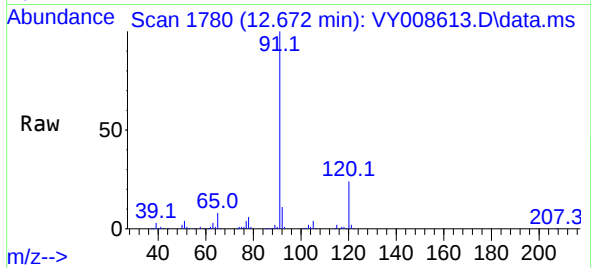




#78
n-propylbenzene
Concen: 21.030 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

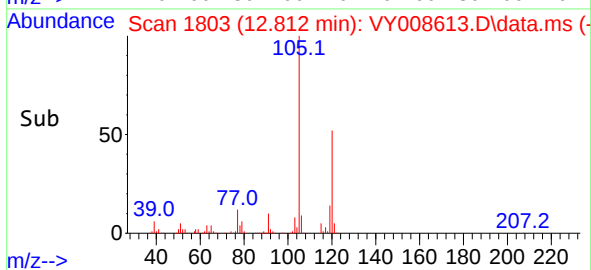
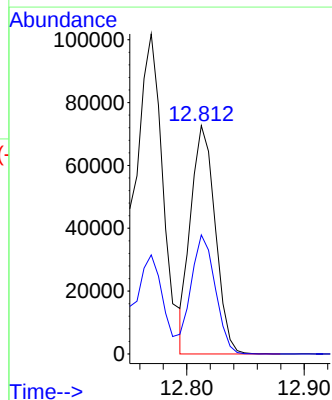
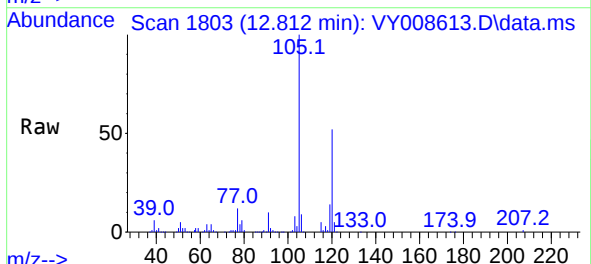
Instrument :
MSVOA_Y
ClientSampleId :
SB03-13-14-FT

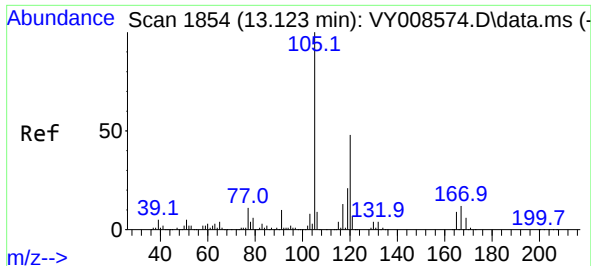
Tgt Ion: 91 Resp: 166386
Ion Ratio Lower Upper
91 100
120 24.5 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 18.736 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008613.D
Acq: 04 May 2022 15:36

Tgt Ion:105 Resp: 105245
Ion Ratio Lower Upper
105 100
120 53.0 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 65.480 ug/l

RT: 13.123 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008613.D

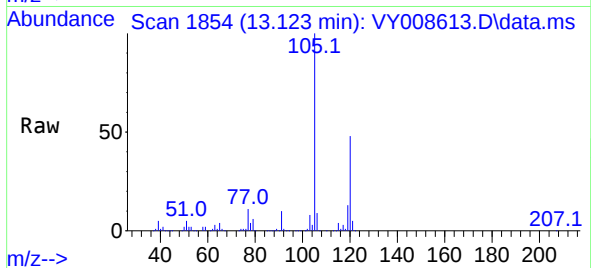
Acq: 04 May 2022 15:36

Instrument :

MSVOA_Y

ClientSampleId :

SB03-13-14-FT



Tgt Ion:105 Resp: 365592

Ion Ratio Lower Upper

105 100

120 48.3 22.3 66.9

