

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020922\
 Data File : VY007454.D
 Acq On : 09 Feb 2022 15:46
 Operator : SY/MD
 Sample : N1455-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Feb 10 05:36:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

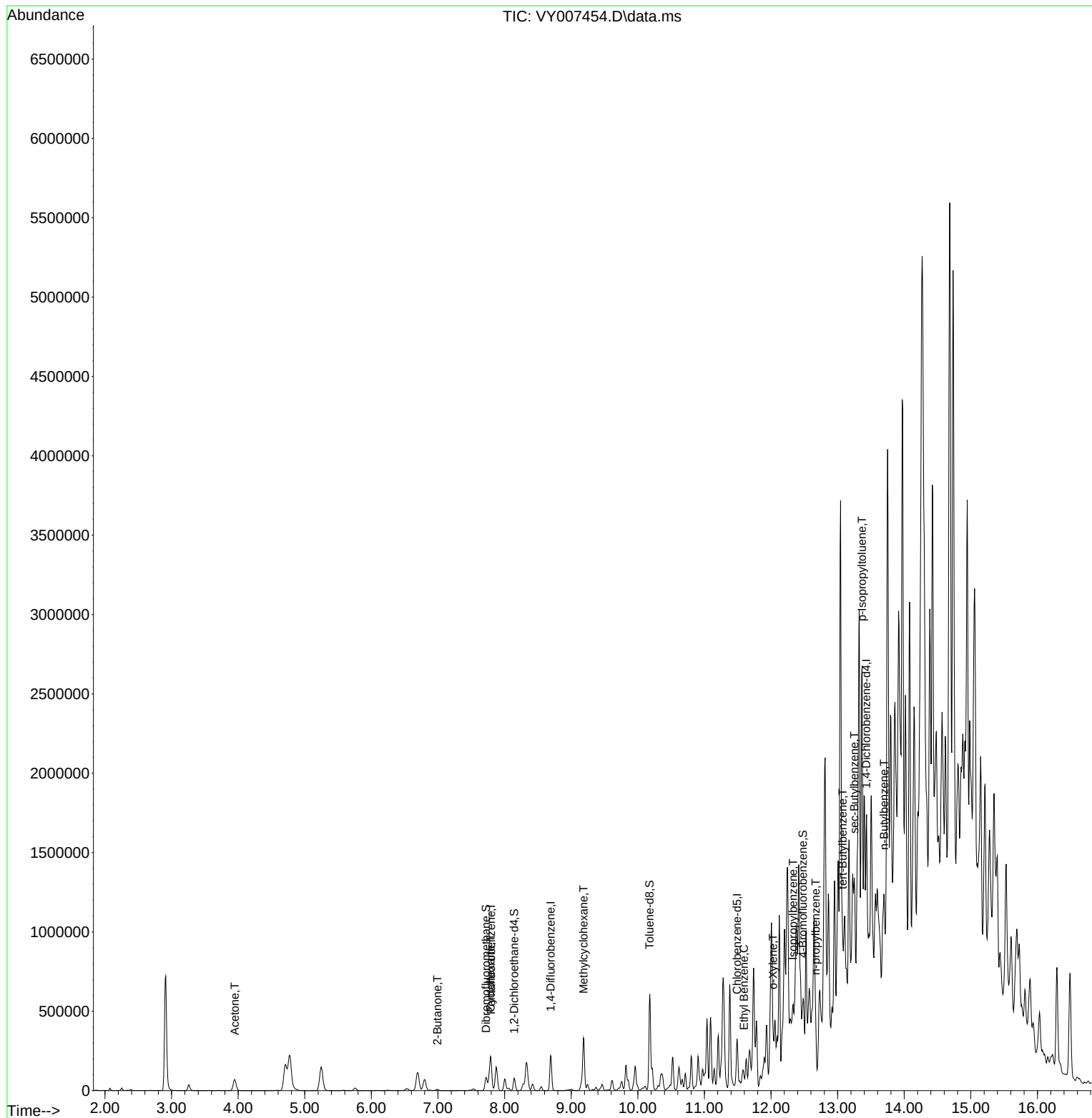
Internal Standards						
1) Pentafluorobenzene	7.795	168	97239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	182652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	148349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	59848	53.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.020%	
35) Dibromofluoromethane	7.722	113	58316	49.721	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.440%	
50) Toluene-d8	10.179	98	229161	52.885	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.760%	
62) 4-Bromofluorobenzene	12.477	95	85028	57.732	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.460%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	50423	138.809	ug/l #	73
25) 2-Butanone	6.990	43	7641	17.410	ug/l	99
31) Cyclohexane	7.789	56	44763	20.510	ug/l	95
39) Methylcyclohexane	9.185	83	135429	52.593	ug/l	96
67) Ethyl Benzene	11.593	91	6927	1.106	ug/l	92
69) o-Xylene	12.032	106	5700	2.599	ug/l	70
73) Isopropylbenzene	12.331	105	103319	17.853	ug/l	97
78) n-propylbenzene	12.672	91	143703	20.500	ug/l	98
83) tert-Butylbenzene	13.075	119	39264	9.553	ug/l	89
85) sec-Butylbenzene	13.251	105	186143	30.195	ug/l #	61
86) p-Isopropyltoluene	13.367	119	57380	11.426	ug/l	91
89) n-Butylbenzene	13.696	91	209553	43.354	ug/l #	82

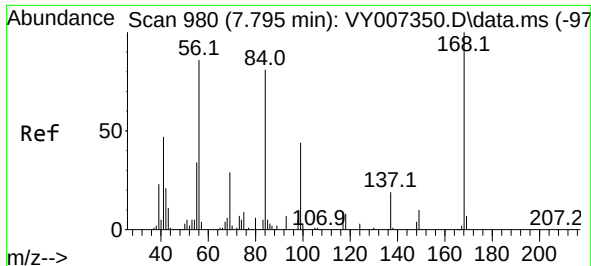
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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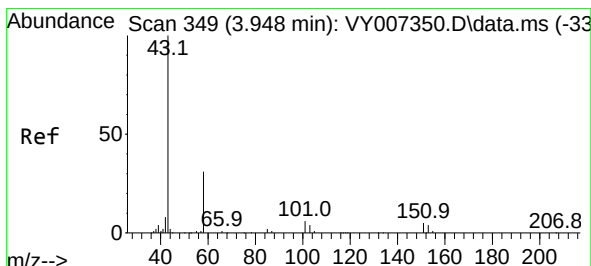
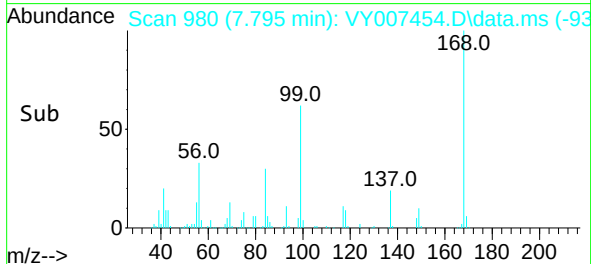
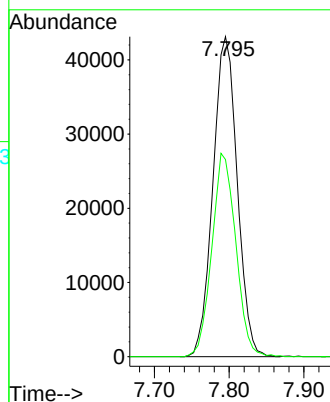
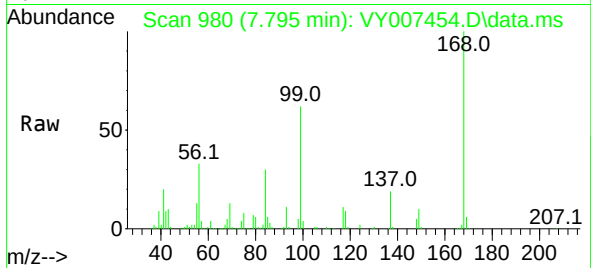




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

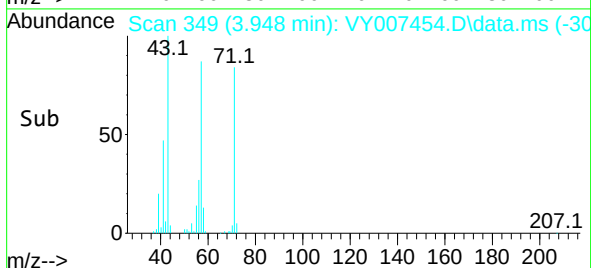
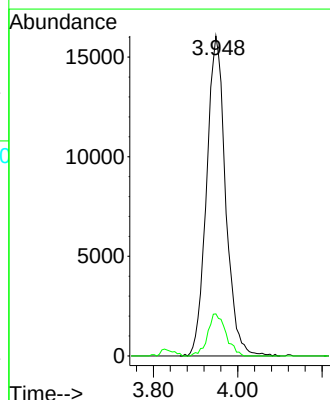
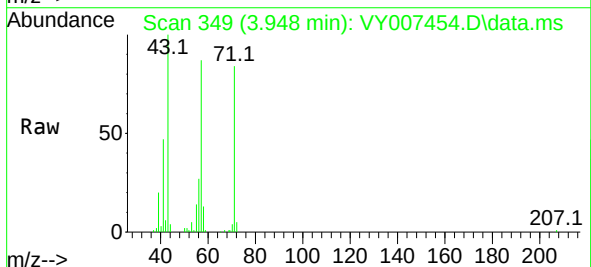
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

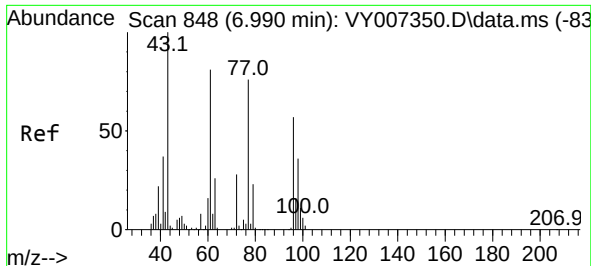
Tgt Ion:168 Resp: 97239
Ion Ratio Lower Upper
168 100
99 61.6 46.9 70.3



#16
Acetone
Concen: 138.809 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion: 43 Resp: 50423
Ion Ratio Lower Upper
43 100
58 13.1 22.0 33.0#

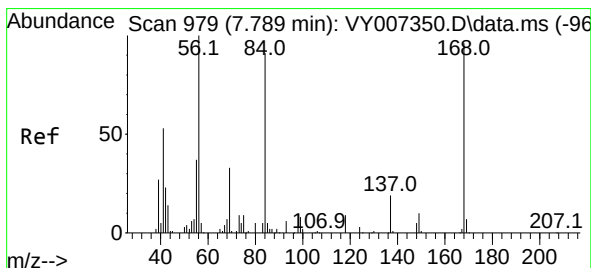
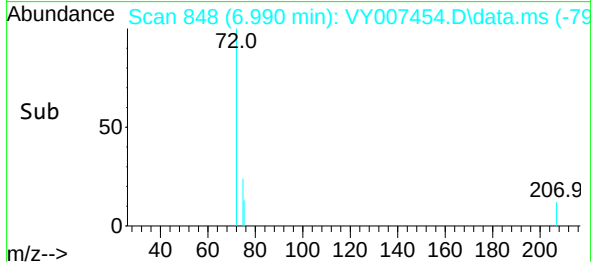
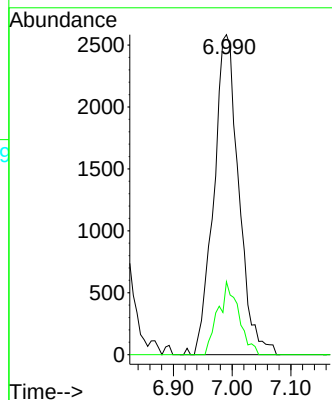
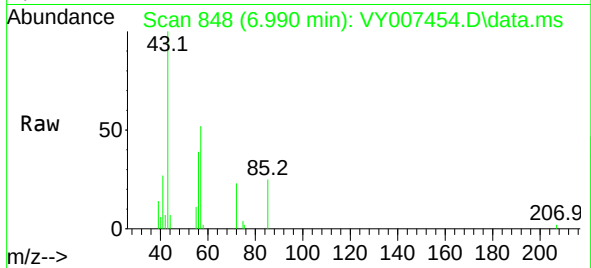




#25
2-Butanone
Concen: 17.410 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

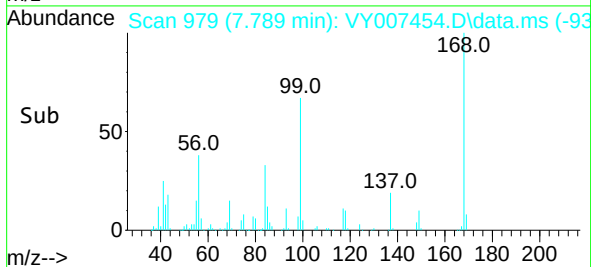
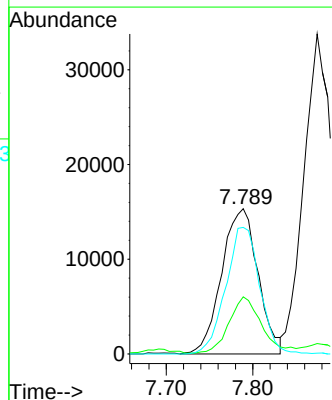
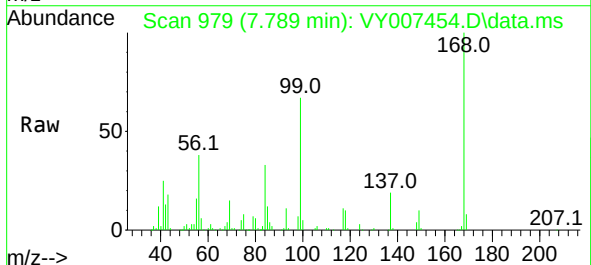
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

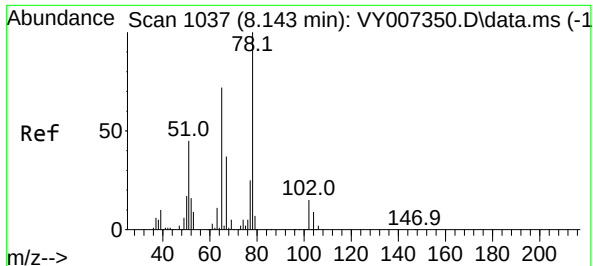
Tgt Ion: 43 Resp: 7641
Ion Ratio Lower Upper
43 100
72 22.8 17.7 26.5



#31
Cyclohexane
Concen: 20.510 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion: 56 Resp: 44763
Ion Ratio Lower Upper
56 100
69 37.5 26.7 40.1
84 87.1 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 53.508 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY007454.D

Acq: 09 Feb 2022 15:46

Instrument :

MSVOA_Y

ClientSampleId :

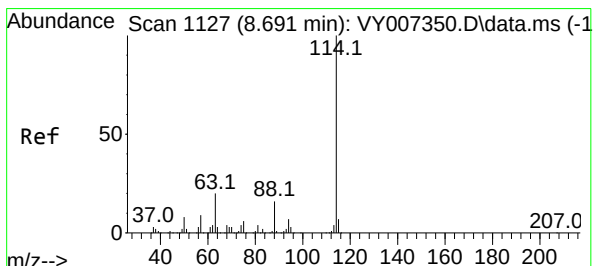
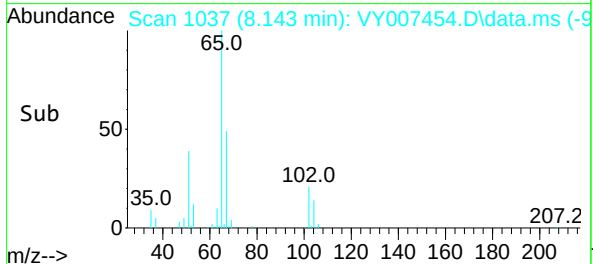
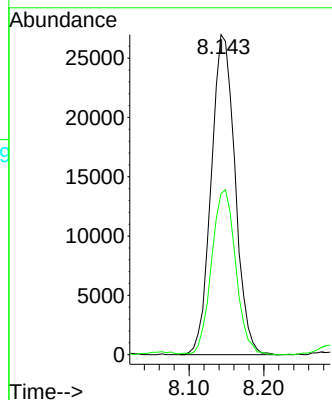
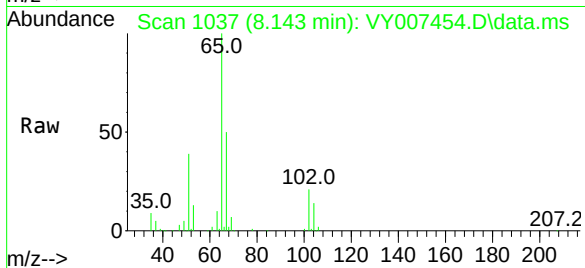
TP-2

Tgt Ion: 65 Resp: 59848

Ion Ratio Lower Upper

65 100

67 52.3 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: VY007454.D

Acq: 09 Feb 2022 15:46

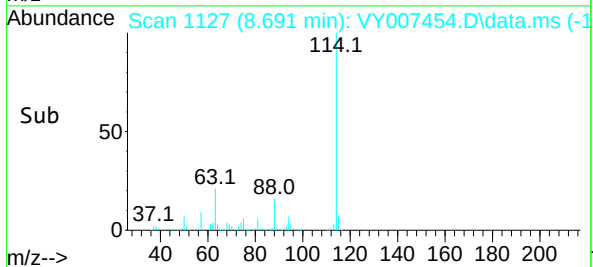
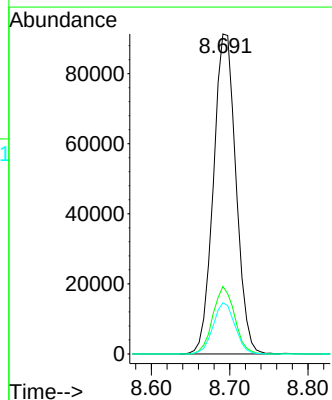
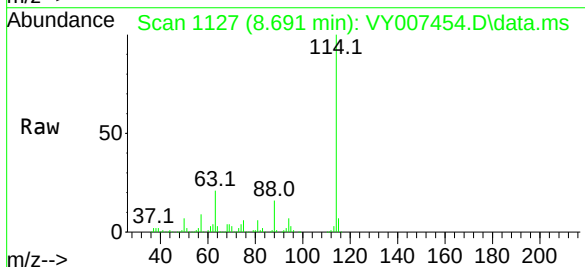
Tgt Ion: 114 Resp: 182652

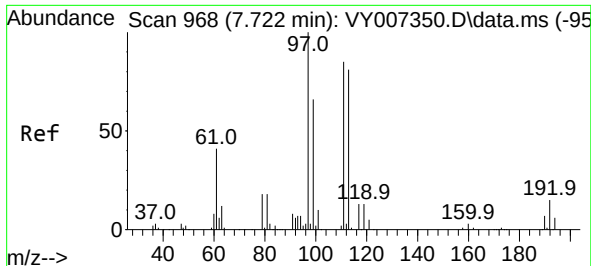
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.0 0.0 31.8

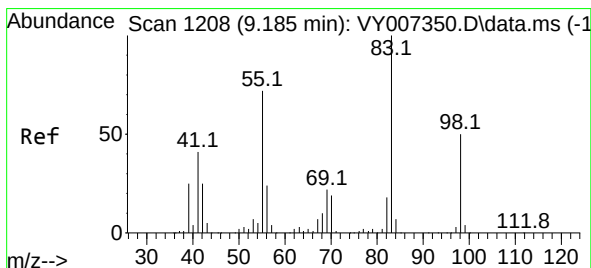
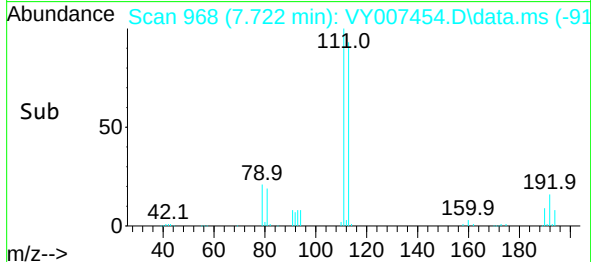
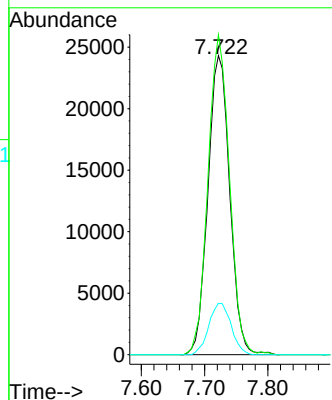
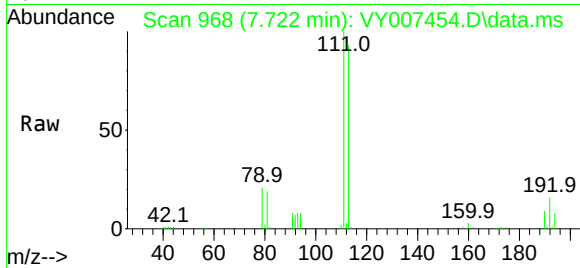




#35
Dibromofluoromethane
Concen: 49.721 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

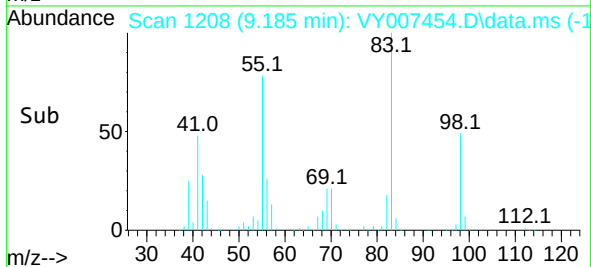
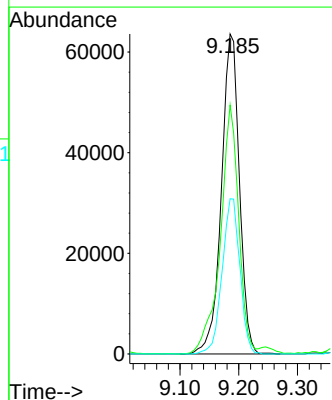
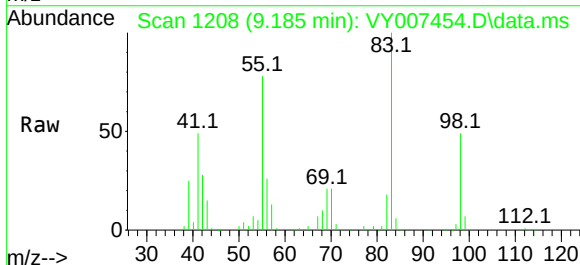
Instrument :
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TP-2

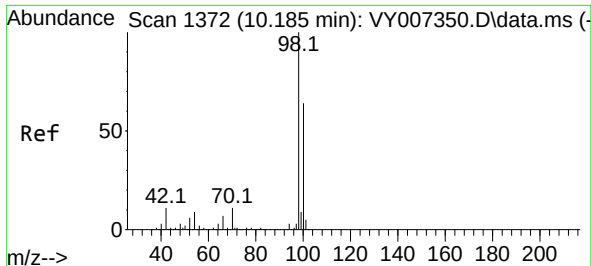
Tgt Ion:113 Resp: 58316
Ion Ratio Lower Upper
113 100
111 105.4 82.6 124.0
192 17.5 17.6 26.4#



#39
Methylcyclohexane
Concen: 52.593 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion: 83 Resp: 135429
Ion Ratio Lower Upper
83 100
55 77.8 66.5 99.7
98 48.5 37.9 56.9

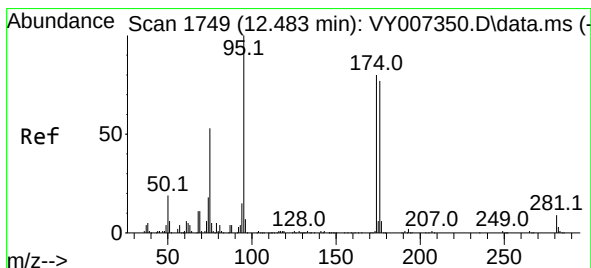
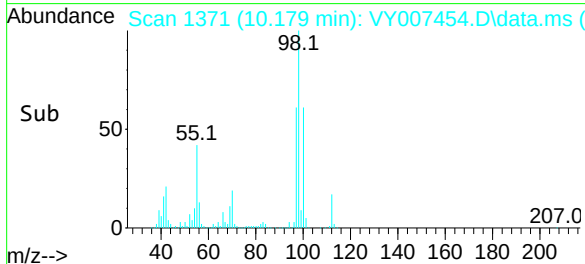
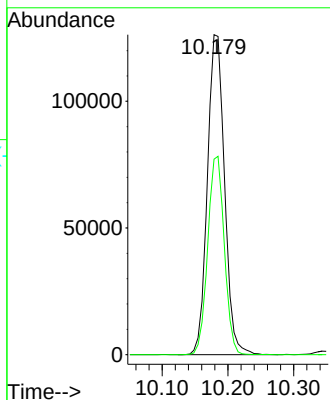
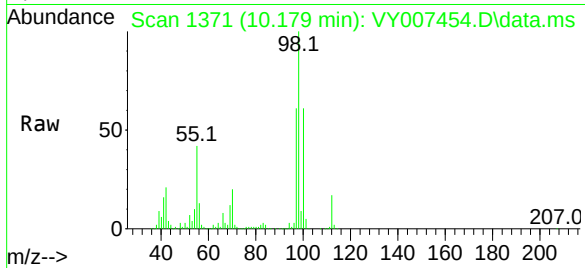




#50
Toluene-d8
Concen: 52.885 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

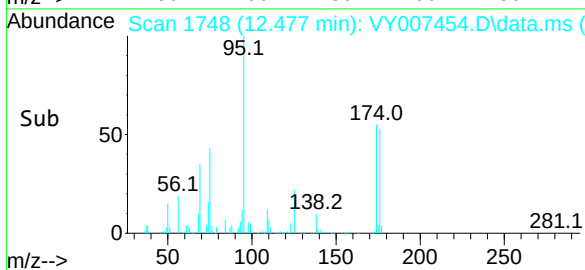
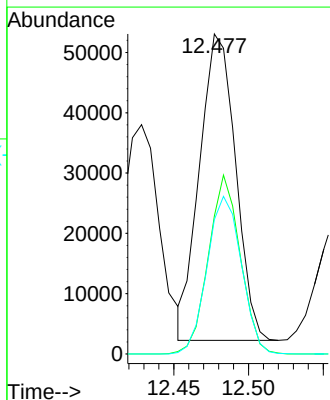
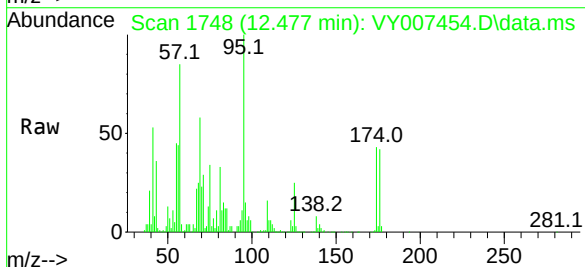
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

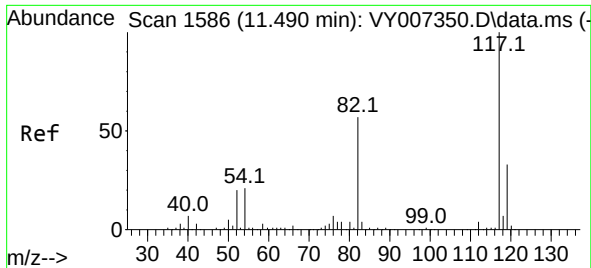
Tgt Ion: 98 Resp: 229161
Ion Ratio Lower Upper
98 100
100 59.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 57.732 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion: 95 Resp: 85028
Ion Ratio Lower Upper
95 100
174 51.6 0.0 177.0
176 49.0 0.0 175.8

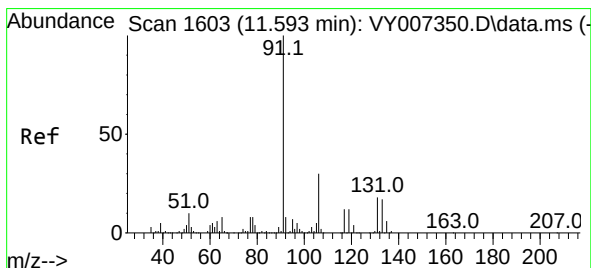
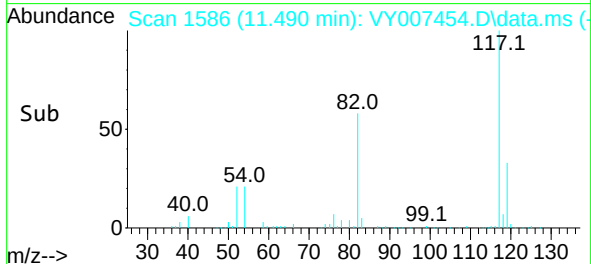
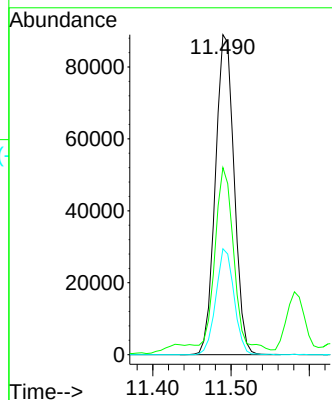
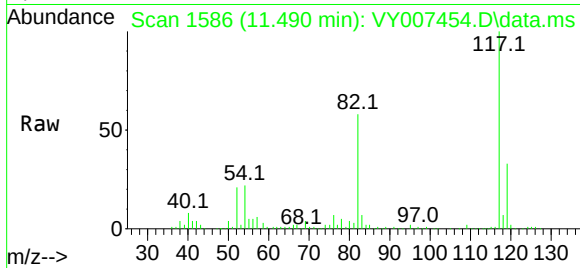




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

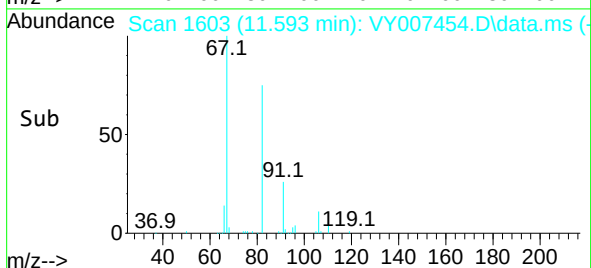
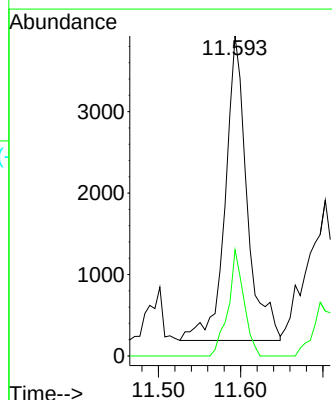
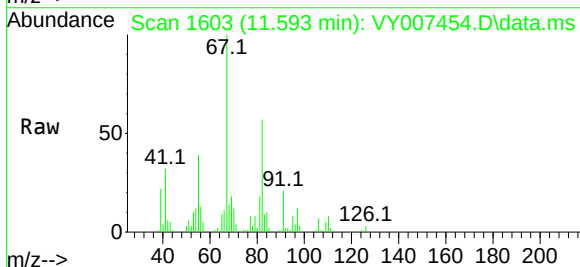
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MSVOA_Y
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TP-2

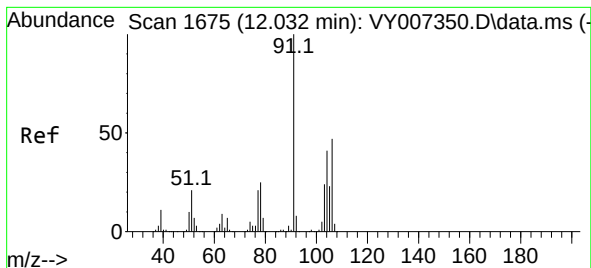
Tgt Ion:117 Resp: 148349
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 33.1 25.4 38.0



#67
Ethyl Benzene
Concen: 1.106 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion: 91 Resp: 6927
Ion Ratio Lower Upper
91 100
106 34.9 24.5 36.7





#69

o-Xylene

Concen: 2.599 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007454.D

Acq: 09 Feb 2022 15:46

Instrument :

MSVOA_Y

ClientSampleId :

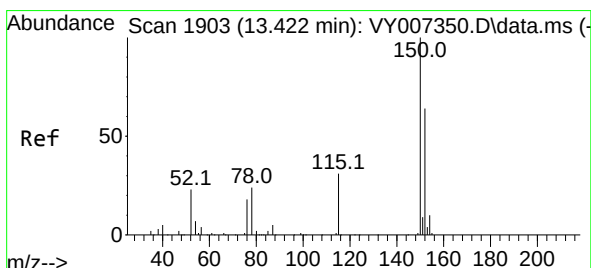
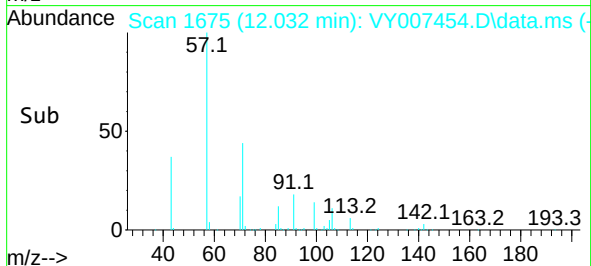
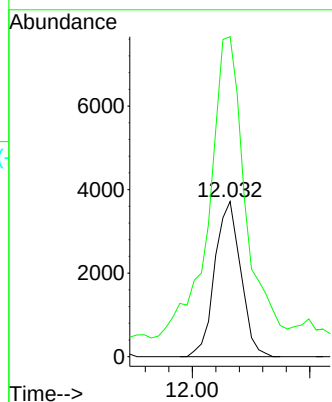
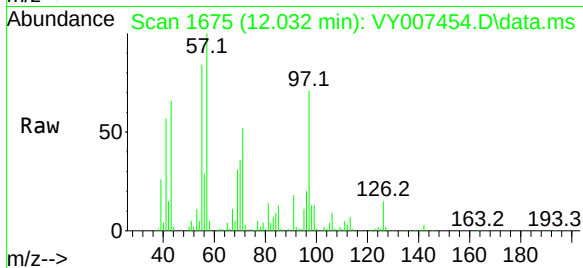
TP-2

Tgt Ion:106 Resp: 5700

Ion Ratio Lower Upper

106 100

91 268.6 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY007454.D

Acq: 09 Feb 2022 15:46

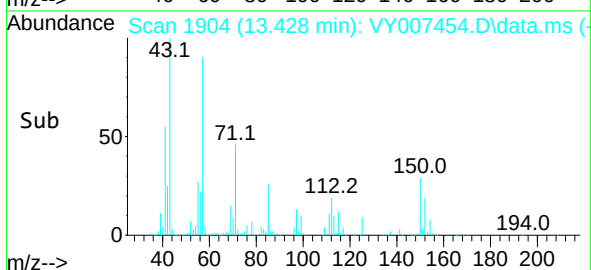
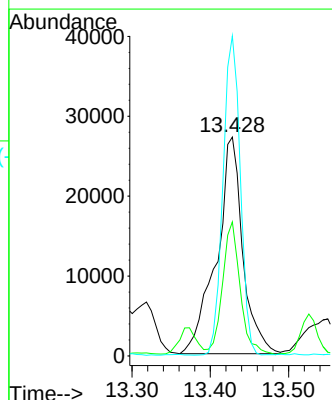
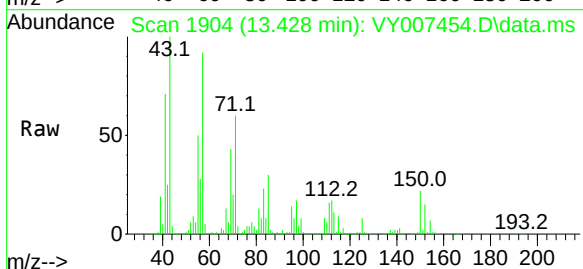
Tgt Ion:152 Resp: 63324

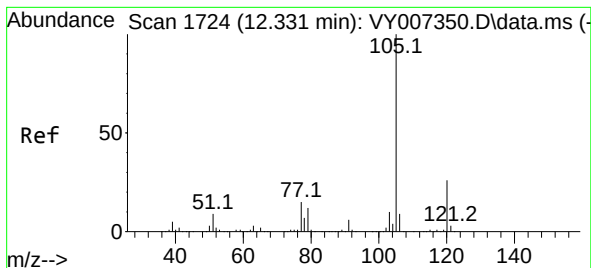
Ion Ratio Lower Upper

152 100

115 41.5 28.2 84.7

150 96.9 0.0 347.6





#73

Isopropylbenzene

Concen: 17.853 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007454.D

Acq: 09 Feb 2022 15:46

Instrument :

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ClientSampleId :

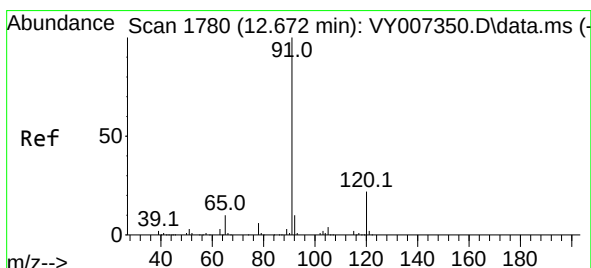
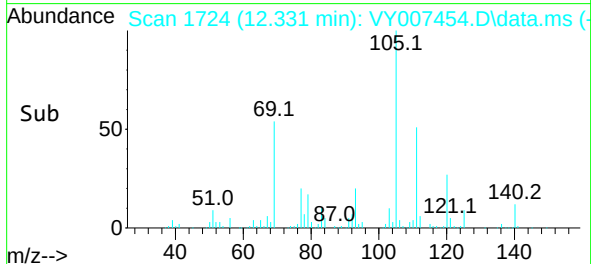
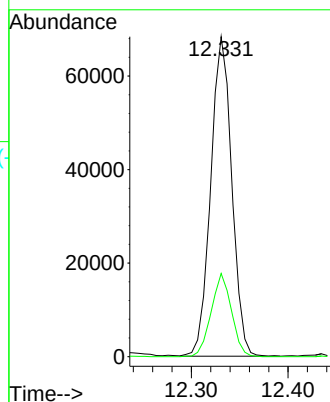
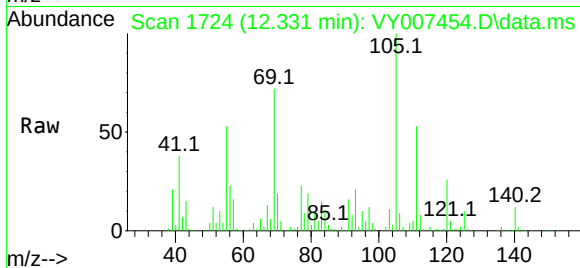
TP-2

Tgt Ion:105 Resp: 103319

Ion Ratio Lower Upper

105 100

120 25.1 13.4 40.2



#78

n-propylbenzene

Concen: 20.500 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY007454.D

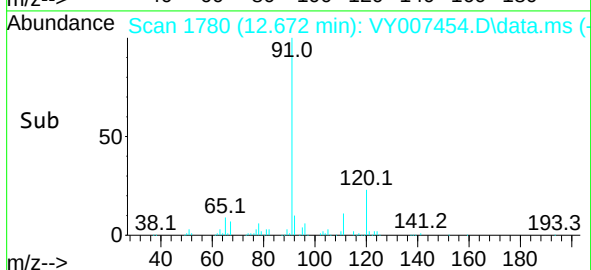
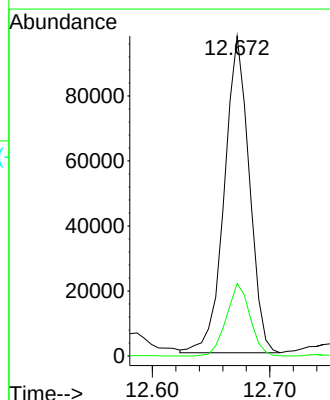
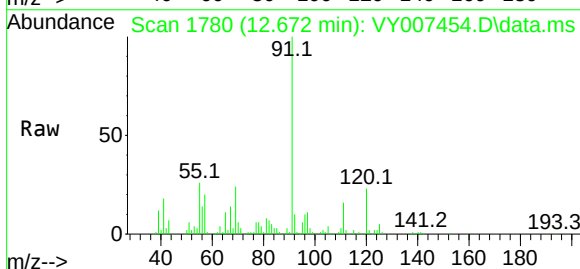
Acq: 09 Feb 2022 15:46

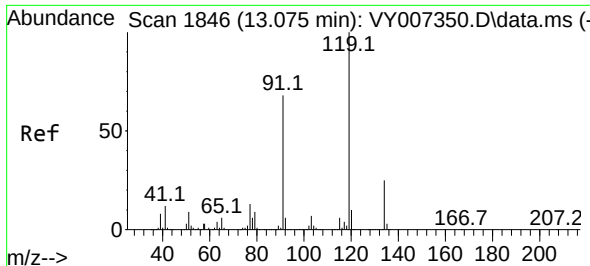
Tgt Ion: 91 Resp: 143703

Ion Ratio Lower Upper

91 100

120 21.7 11.3 33.9

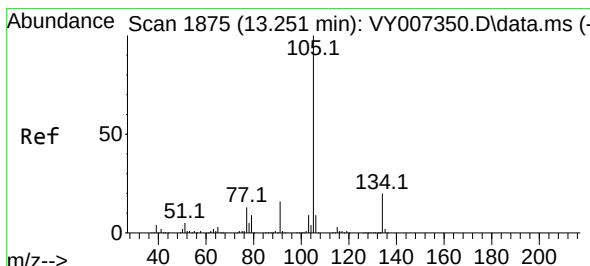
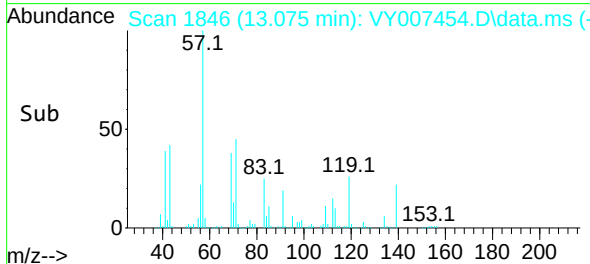
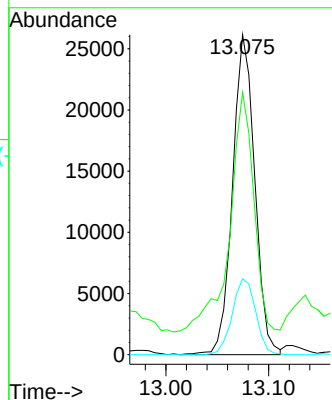
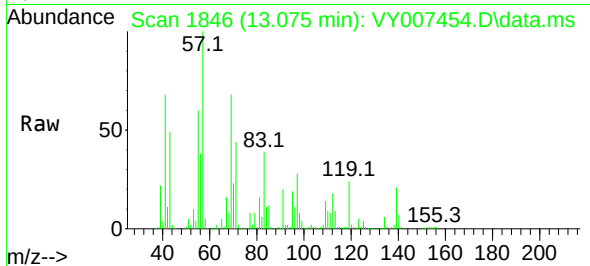




#83
tert-Butylbenzene
Concen: 9.553 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

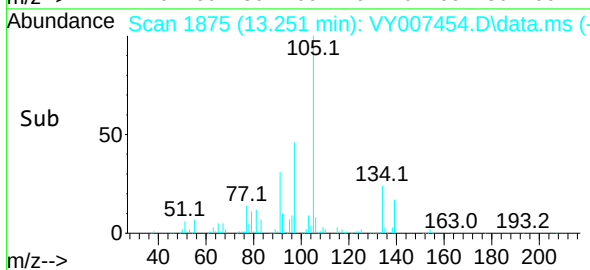
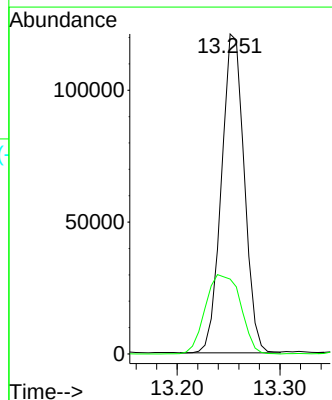
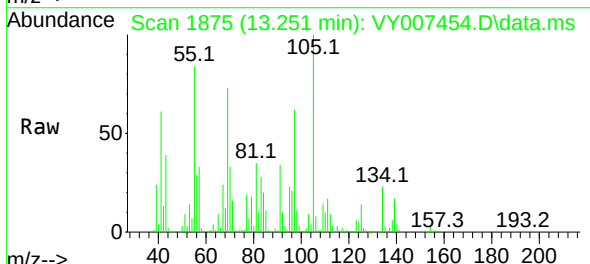
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

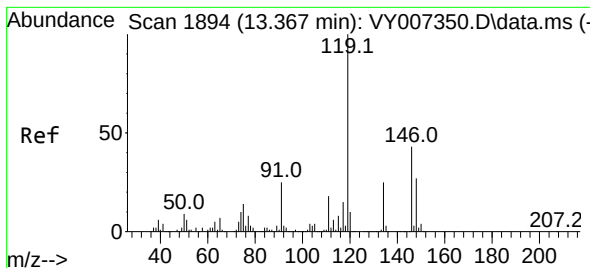
Tgt Ion:119 Resp: 39264
Ion Ratio Lower Upper
119 100
91 81.3 34.8 104.4
134 25.0 13.3 39.9



#85
sec-Butylbenzene
Concen: 30.195 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion:105 Resp: 186143
Ion Ratio Lower Upper
105 100
134 38.4 10.2 30.4#

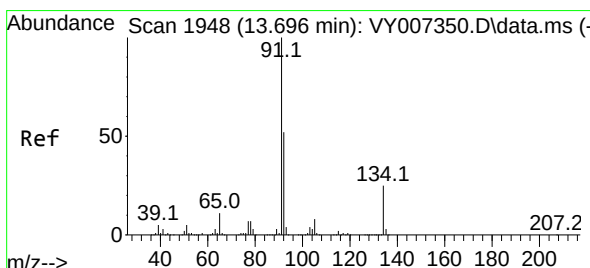
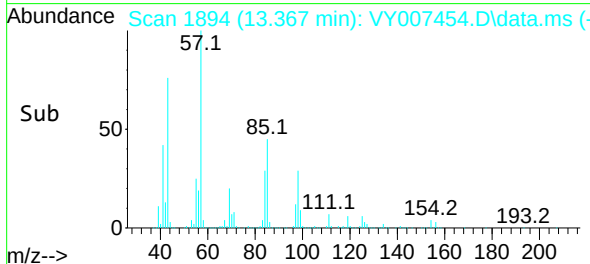
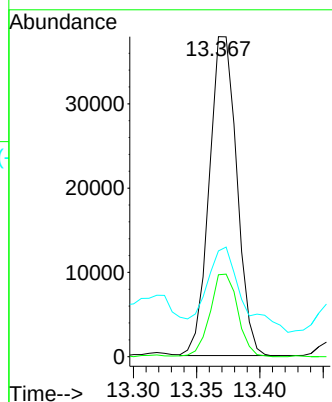
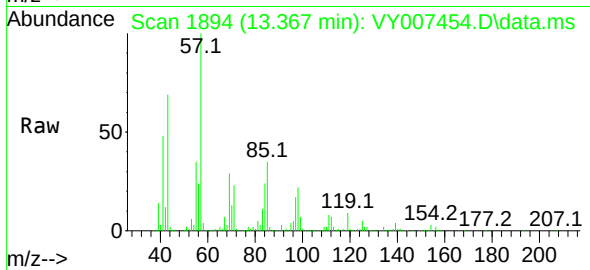




#86
p-Isopropyltoluene
Concen: 11.426 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion:119 Resp: 57380
Ion Ratio Lower Upper
119 100
134 26.1 13.2 39.5
91 33.6 12.4 37.2



#89
n-Butylbenzene
Concen: 43.354 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007454.D
Acq: 09 Feb 2022 15:46

Tgt Ion: 91 Resp: 209553
Ion Ratio Lower Upper
91 100
92 48.0 26.3 78.9
134 46.8 13.0 38.9#

