

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041122\
 Data File : VY008270.D
 Acq On : 11 Apr 2022 14:09
 Operator : KP/MD
 Sample : N2328-03
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-3

Quant Time: Apr 12 06:57:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	171492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	239139	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150795	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77722	48.249	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.500%
35) Dibromofluoromethane	7.716	113	86847	53.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.720%
50) Toluene-d8	10.179	98	383614	69.521	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	139.040%
62) 4-Bromofluorobenzene	12.483	95	153243	73.836	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	147.680%#

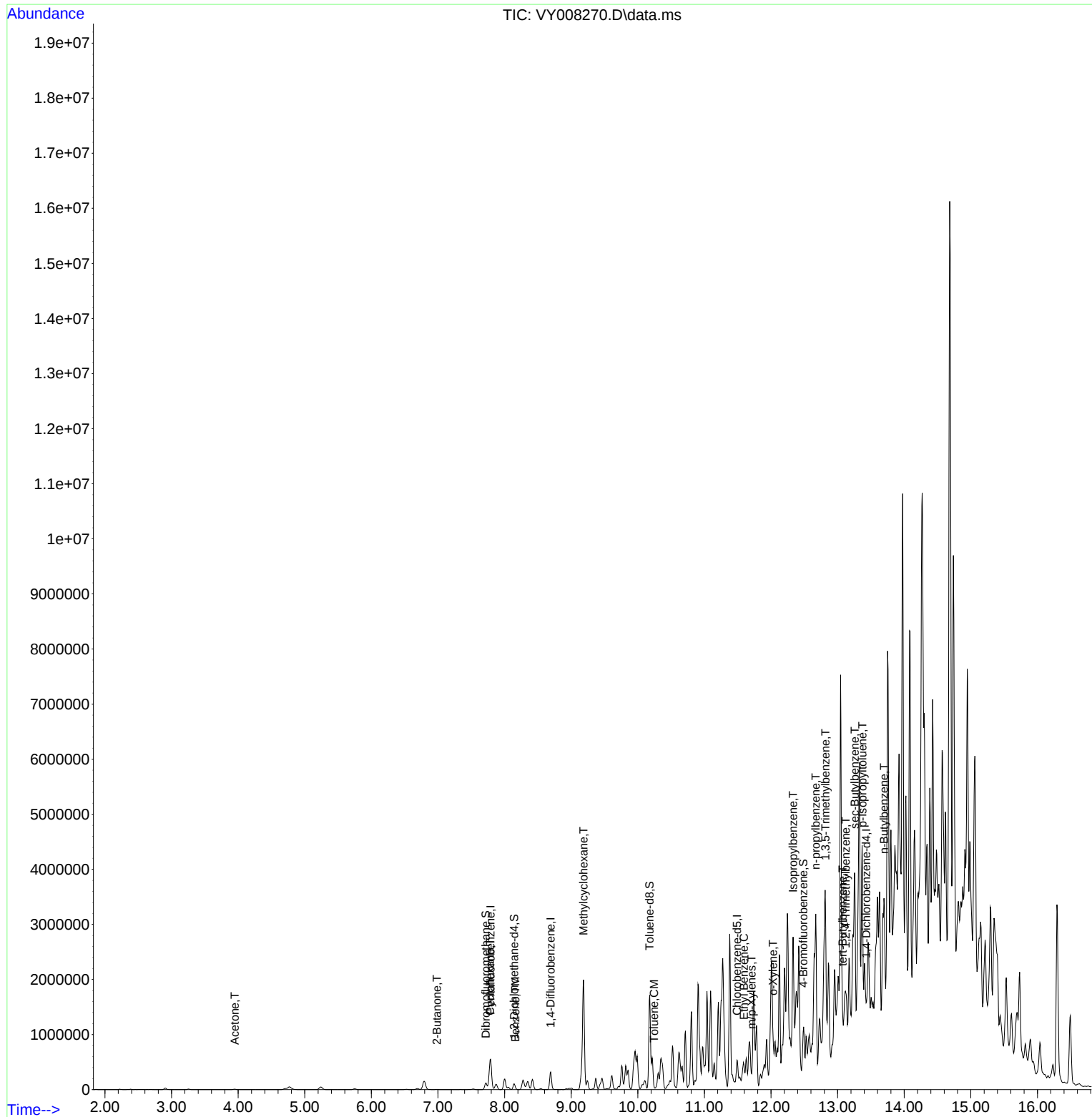
Target Compounds					Qvalue	
16) Acetone	3.948	43	11091	28.626	ug/l	100
25) 2-Butanone	6.984	43	3485	5.752	ug/l	93
31) Cyclohexane	7.783	56	207438	71.213	ug/l	# 76
39) Methylcyclohexane	9.185	83	952137	287.372	ug/l	# 80
40) Benzene	8.161	78	7699	1.004	ug/l	100
52) Toluene	10.246	92	6989	1.383	ug/l	93
67) Ethyl Benzene	11.593	91	107072	12.141	ug/l	92
68) m/p-Xylenes	11.709	106	7432	2.119	ug/l	# 43
69) o-Xylene	12.032	106	24877	7.309	ug/l	94
73) Isopropylbenzene	12.331	105	1348660	120.295	ug/l	96
78) n-propylbenzene	12.672	91	1918036	144.983	ug/l	93
80) 1,3,5-Trimethylbenzene	12.818	105	33680	3.664	ug/l	97
83) tert-Butylbenzene	13.075	119	60648	7.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	234564	25.782	ug/l	96
85) sec-Butylbenzene	13.257	105	1452273	118.777	ug/l	82
86) p-Isopropyltoluene	13.373	119	213296	20.905	ug/l	98
89) n-Butylbenzene	13.696	91	1072169	116.306	ug/l	93

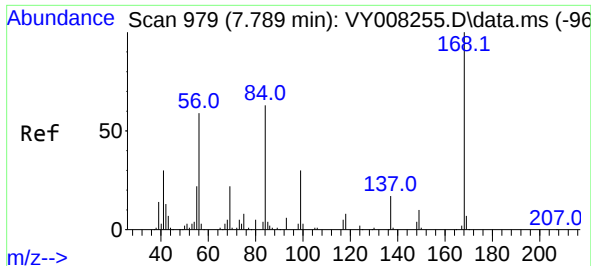
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041122\
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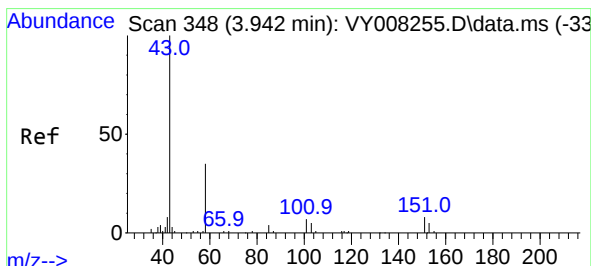
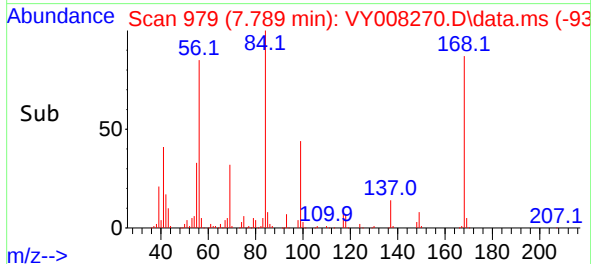
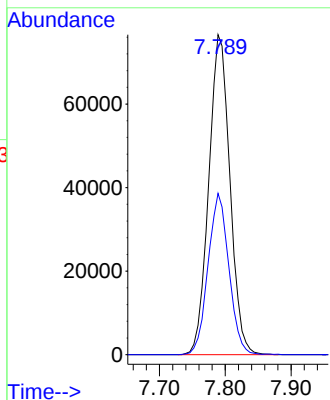
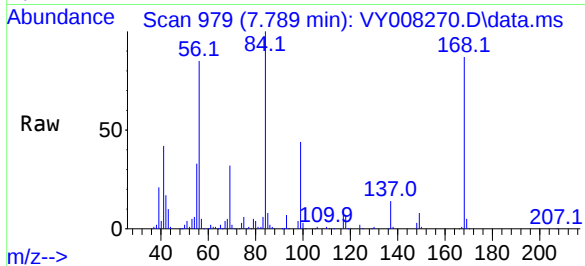




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

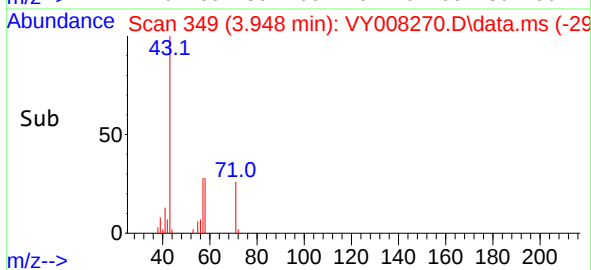
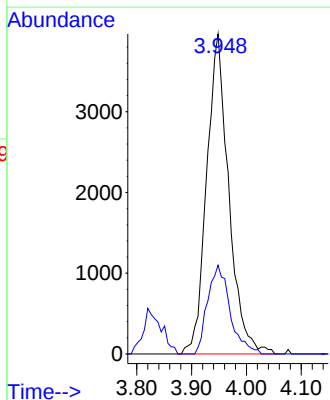
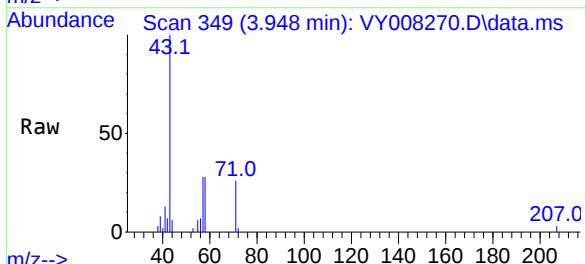
Instrument :
MSVOA_Y
ClientSampleId :
B-3

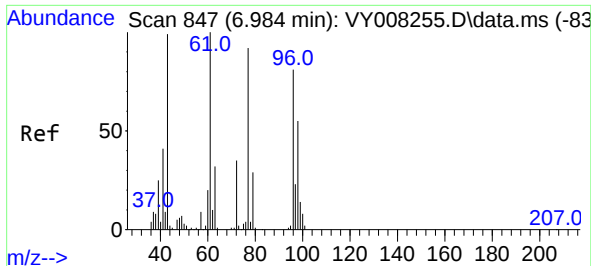
Tgt Ion:168 Resp: 171492
Ion Ratio Lower Upper
168 100
99 50.4 46.9 70.3



#16
Acetone
Concen: 28.626 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 43 Resp: 11091
Ion Ratio Lower Upper
43 100
58 27.8 22.0 33.0

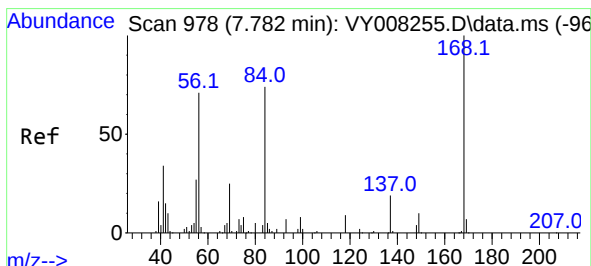
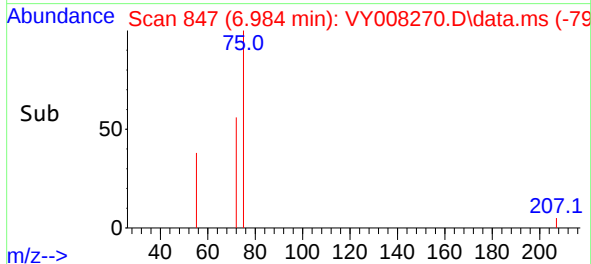
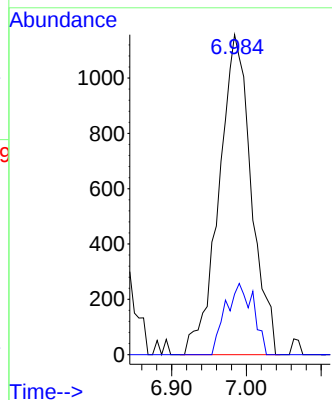
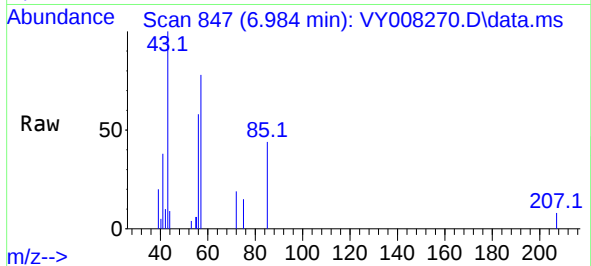




#25
2-Butanone
Concen: 5.752 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

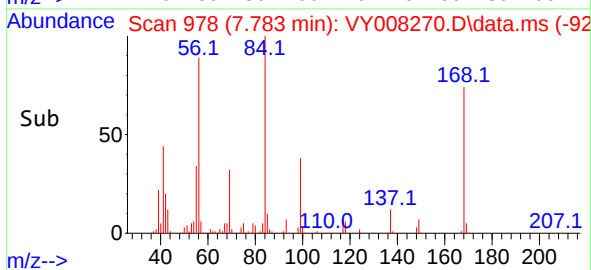
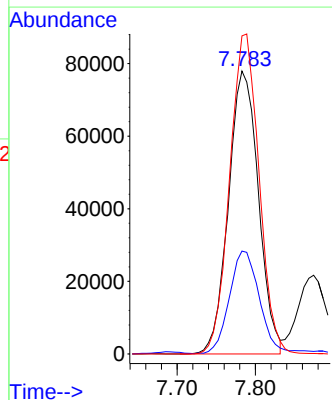
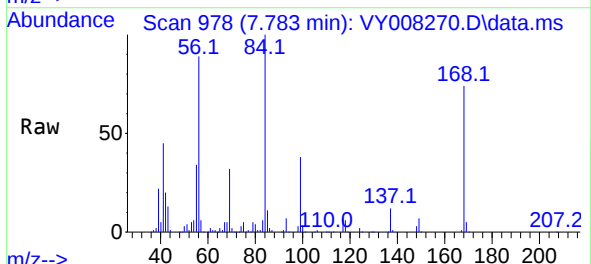
Instrument :
MSVOA_Y
ClientSampleId :
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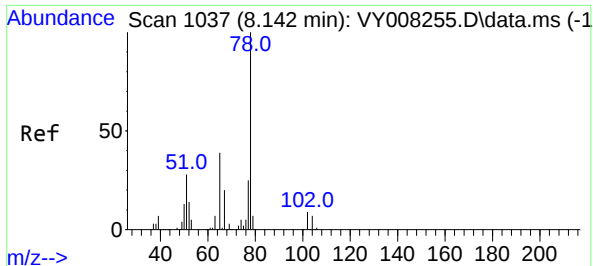
Tgt Ion: 43 Resp: 3485
Ion Ratio Lower Upper
43 100
72 18.9 17.7 26.5



#31
Cyclohexane
Concen: 71.213 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 56 Resp: 207438
Ion Ratio Lower Upper
56 100
69 35.8 26.7 40.1
84 112.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 48.249 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008270.D

Acq: 11 Apr 2022 14:09

Instrument :

MSVOA_Y

ClientSampleId :

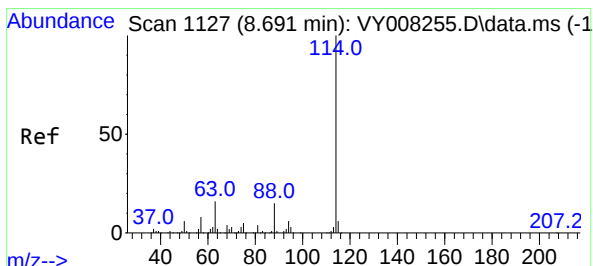
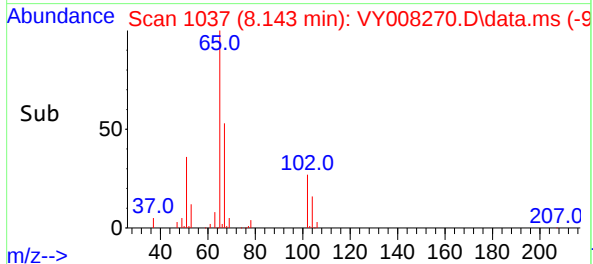
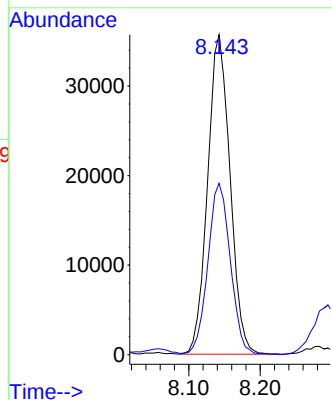
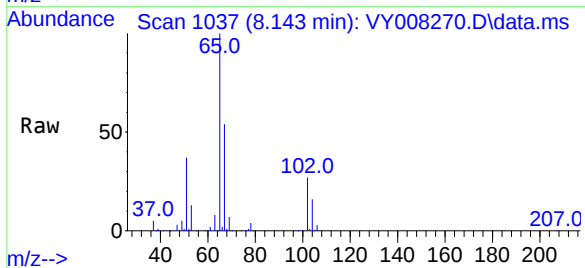
B-3

Tgt Ion: 65 Resp: 77722

Ion Ratio Lower Upper

65 100

67 54.0 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: VY008270.D

Acq: 11 Apr 2022 14:09

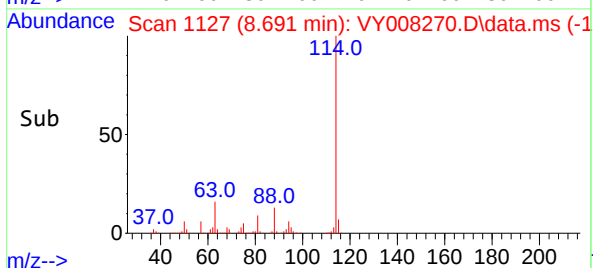
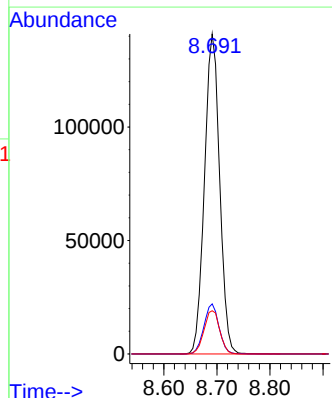
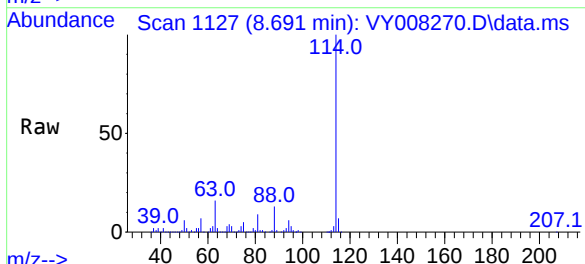
Tgt Ion: 114 Resp: 279198

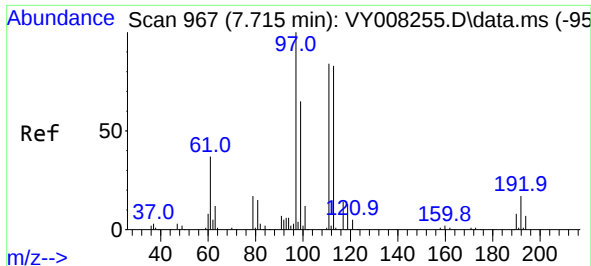
Ion Ratio Lower Upper

114 100

63 15.7 0.0 43.2

88 13.5 0.0 31.8

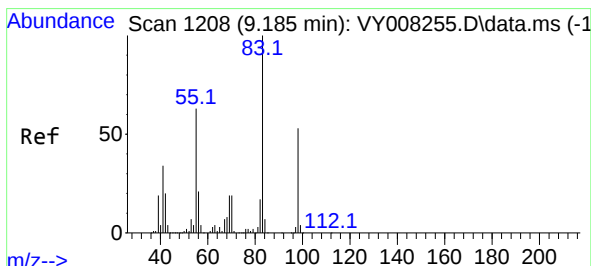
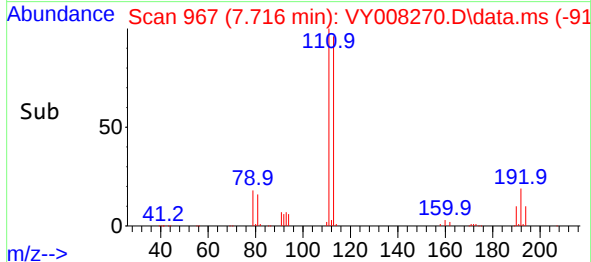
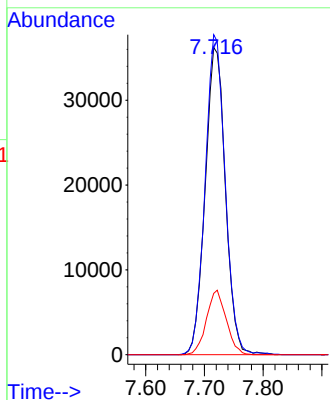
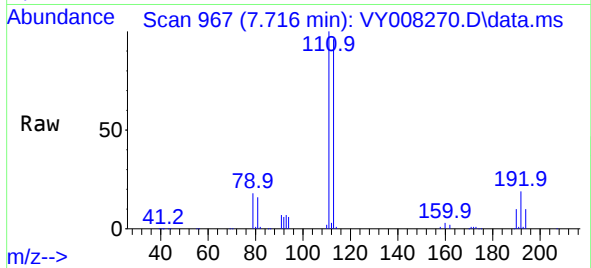




#35
Dibromofluoromethane
Concen: 53.855 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

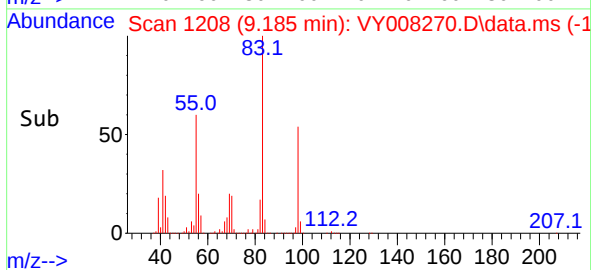
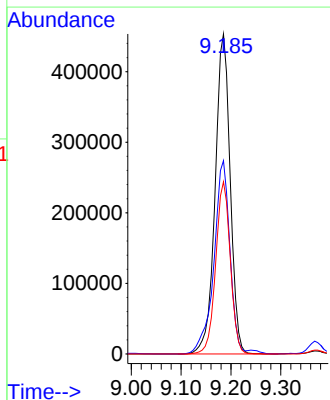
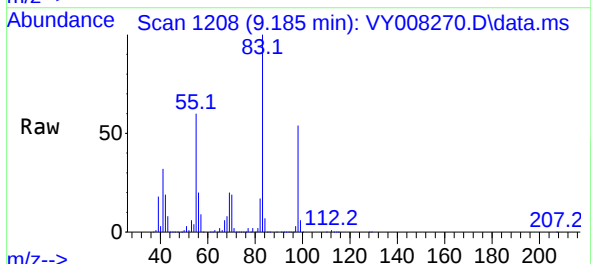
Instrument :
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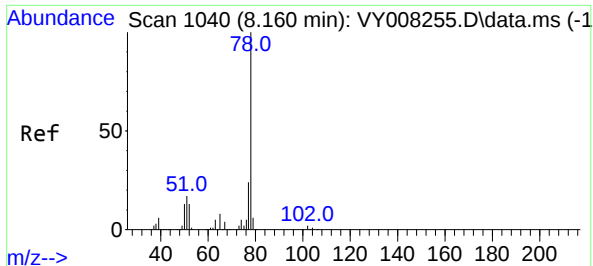
Tgt Ion:113 Resp: 86847
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.4 17.6 26.4



#39
Methylcyclohexane
Concen: 287.372 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 83 Resp: 952137
Ion Ratio Lower Upper
83 100
55 60.4 66.5 99.7#
98 53.8 37.9 56.9

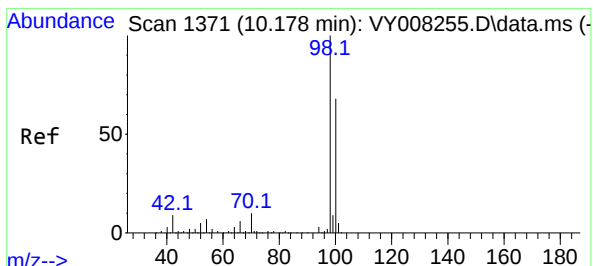
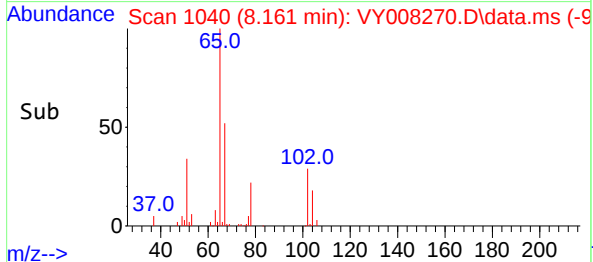
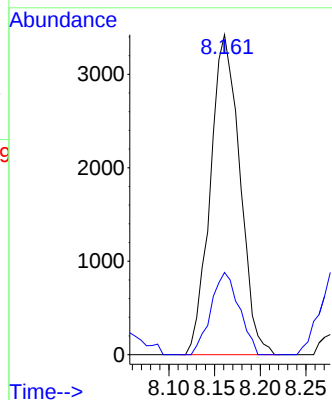
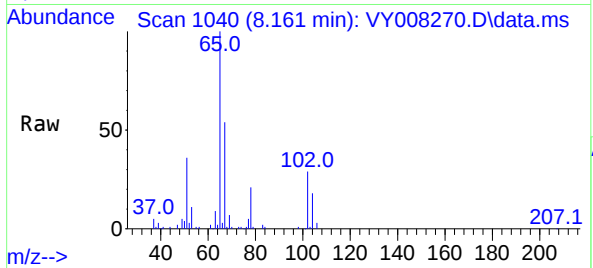




#40
Benzene
Concen: 1.004 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

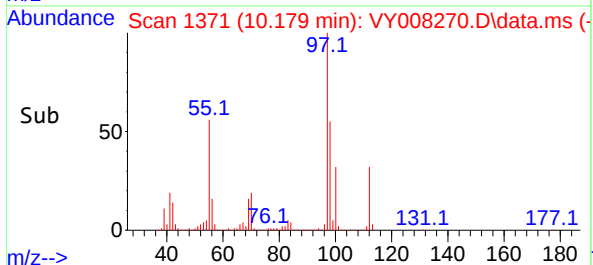
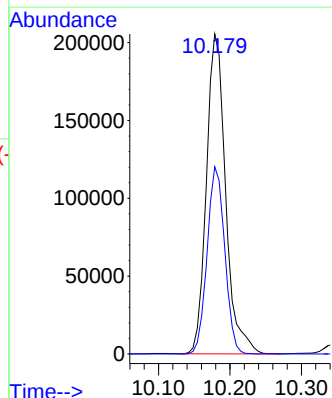
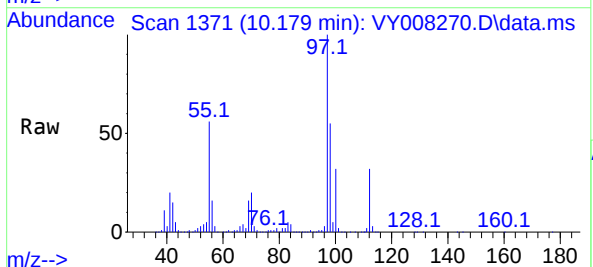
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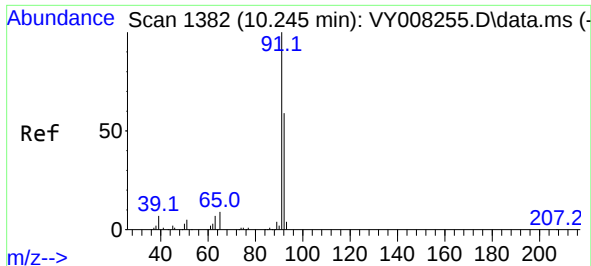
Tgt Ion: 78 Resp: 7699
Ion Ratio Lower Upper
78 100
77 25.7 20.4 30.6



#50
Toluene-d8
Concen: 69.521 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 98 Resp: 383614
Ion Ratio Lower Upper
98 100
100 53.7 50.2 75.2

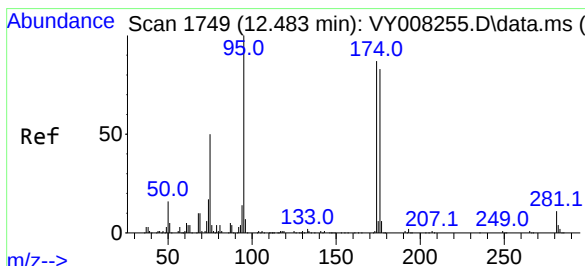
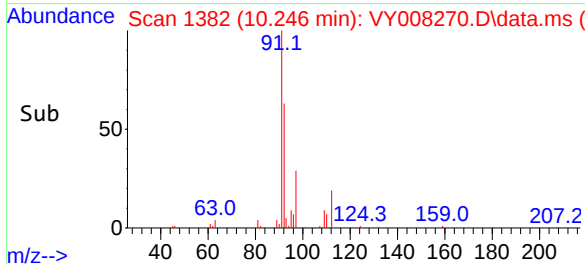
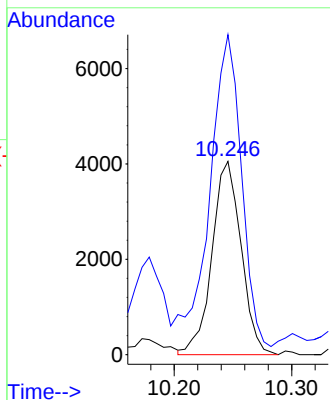
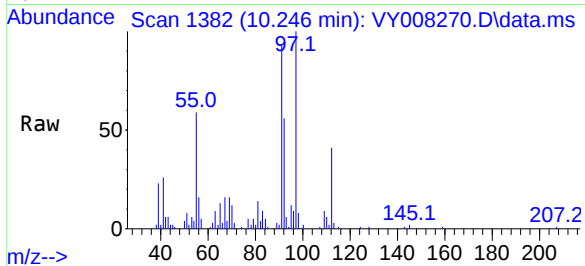




#52
Toluene
Concen: 1.383 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

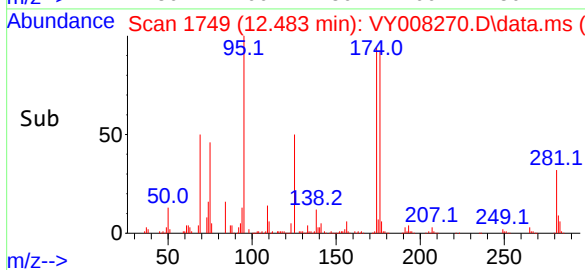
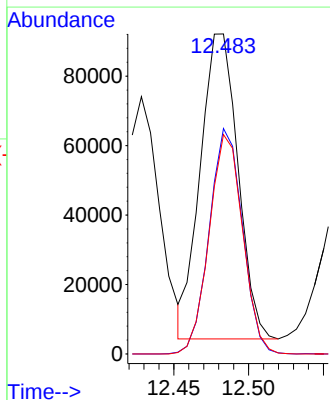
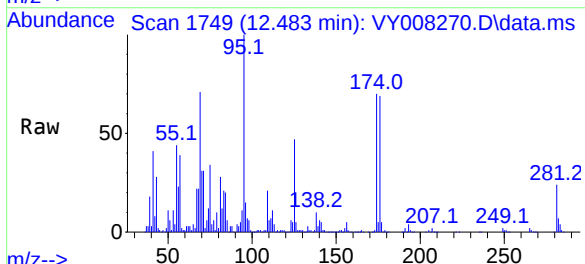
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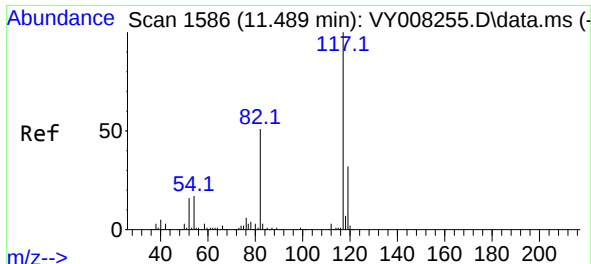
Tgt Ion: 92 Resp: 6989
Ion Ratio Lower Upper
92 100
91 168.1 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 73.836 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 95 Resp: 153243
Ion Ratio Lower Upper
95 100
174 65.3 0.0 177.0
176 64.3 0.0 175.8

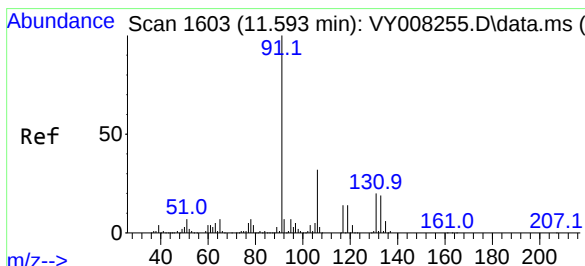
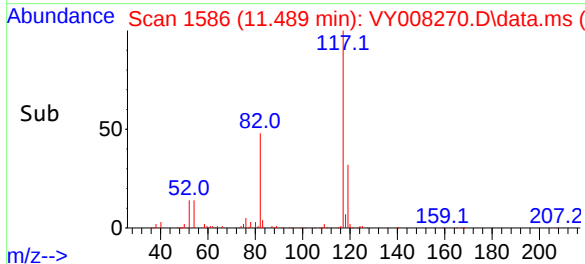
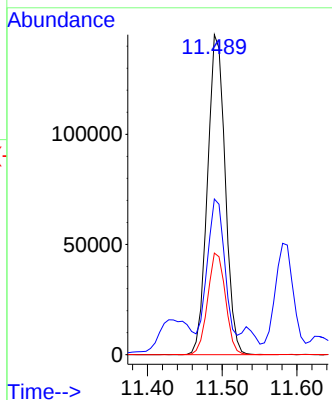
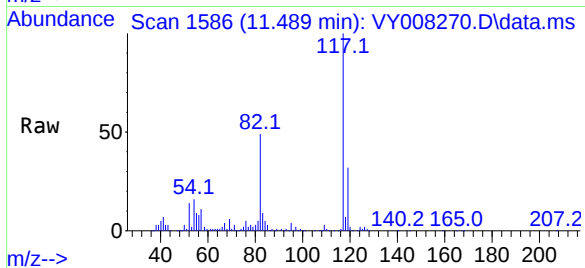




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

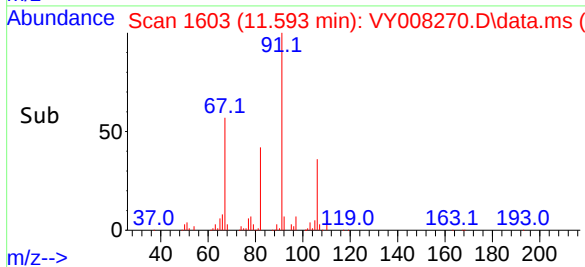
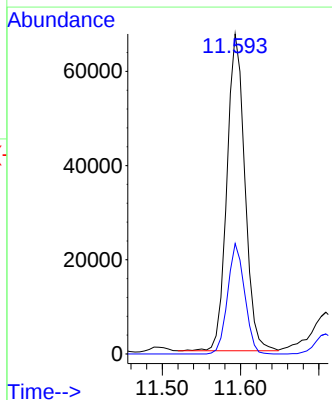
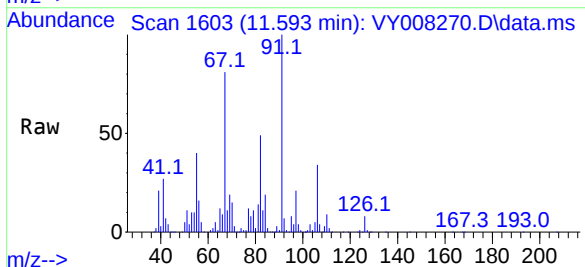
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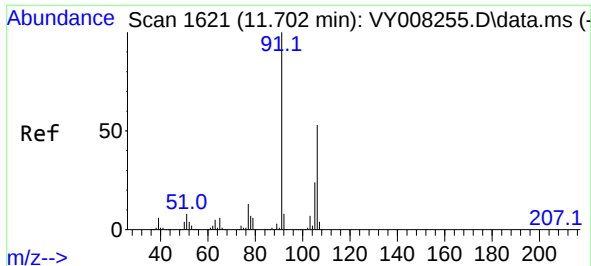
Tgt Ion:117 Resp: 239139
Ion Ratio Lower Upper
117 100
82 38.3 43.0 64.4#
119 31.7 25.4 38.0



#67
Ethyl Benzene
Concen: 12.141 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 91 Resp: 107072
Ion Ratio Lower Upper
91 100
106 34.8 24.5 36.7

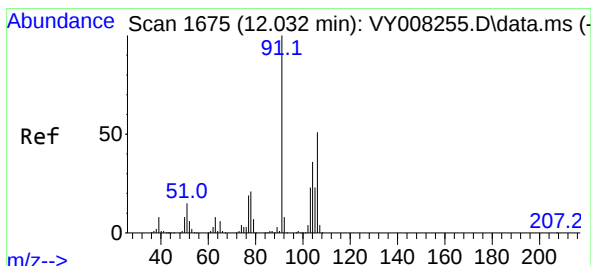
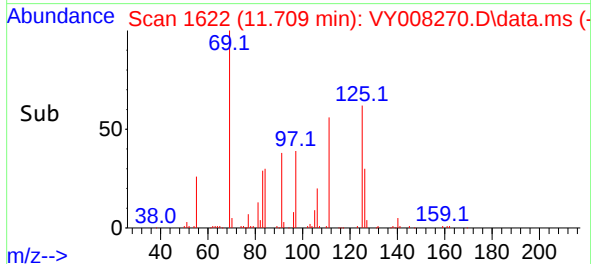
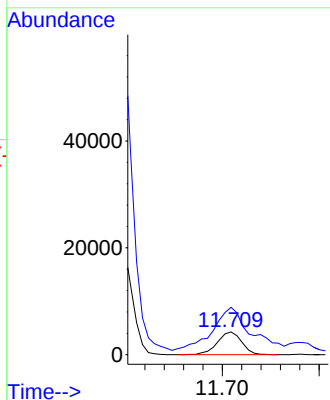
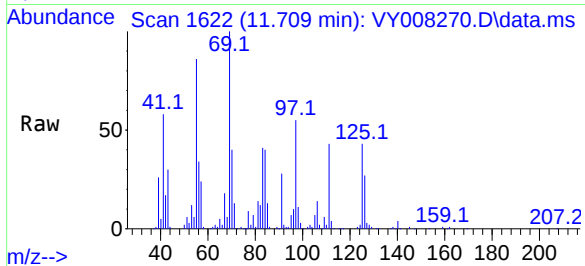




#68
m/p-Xylenes
Concen: 2.119 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.007 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

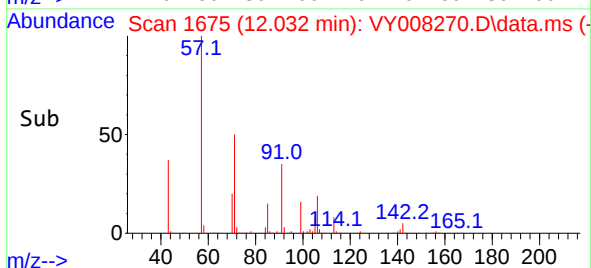
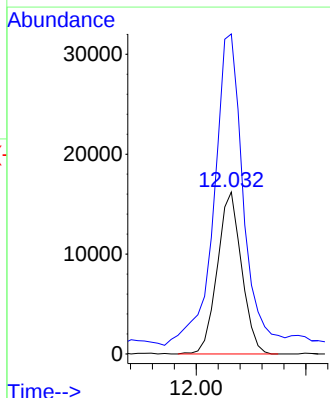
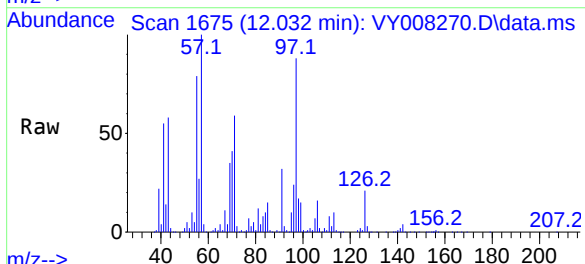
Instrument :
MSVOA_Y
ClientSampleId :
B-3

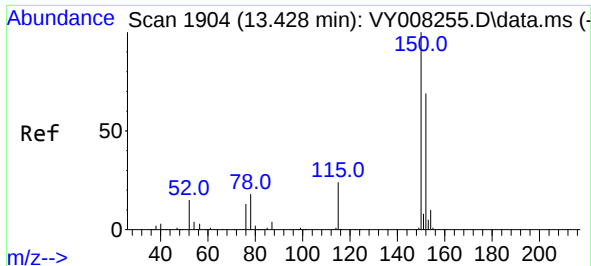
Tgt Ion:106 Resp: 7432
Ion Ratio Lower Upper
106 100
91 297.1 166.6 249.8#



#69
o-Xylene
Concen: 7.309 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion:106 Resp: 24877
Ion Ratio Lower Upper
106 100
91 229.6 110.3 331.0

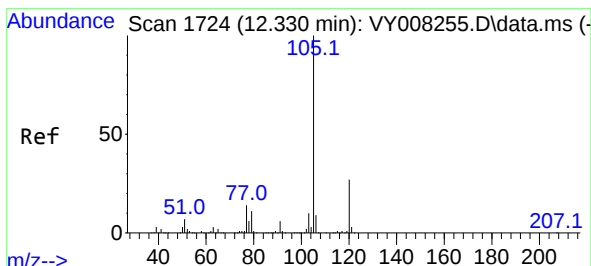
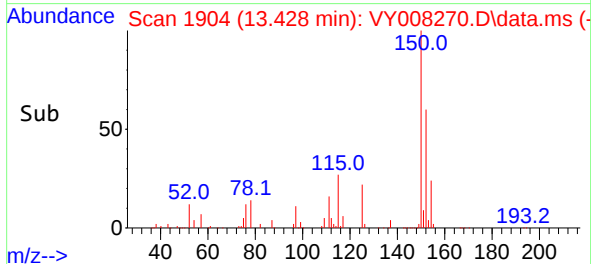
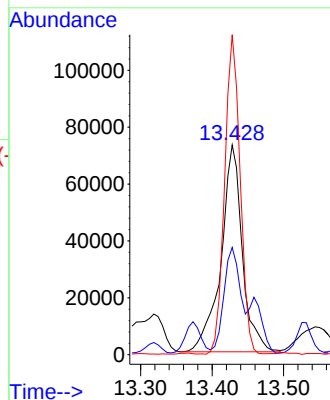
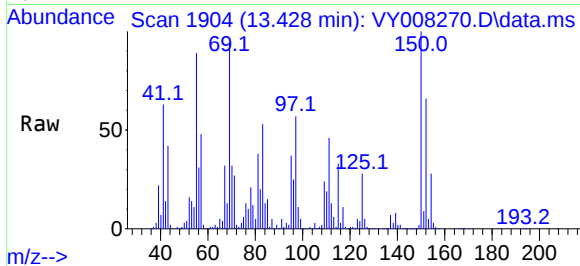




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

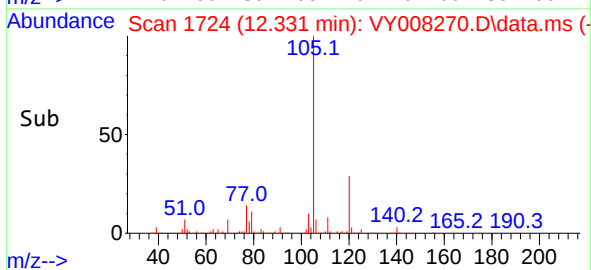
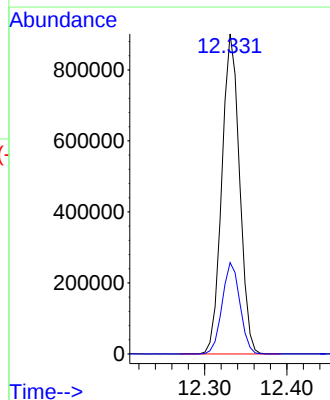
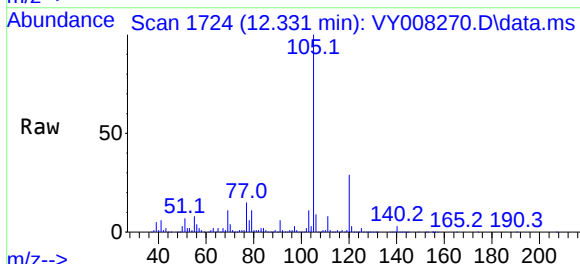
Instrument :
MSVOA_Y
ClientSampleId :
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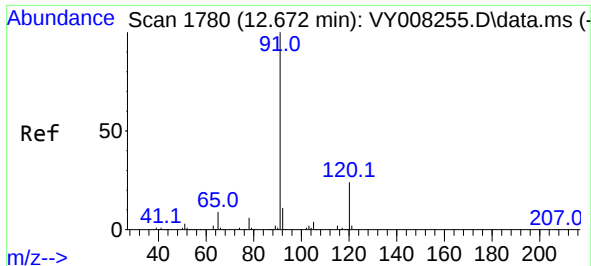
Tgt Ion:152 Resp: 150795
Ion Ratio Lower Upper
152 100
115 37.6 28.2 84.7
150 112.2 0.0 347.6



#73
Isopropylbenzene
Concen: 120.295 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion:105 Resp: 1348660
Ion Ratio Lower Upper
105 100
120 28.6 13.4 40.2

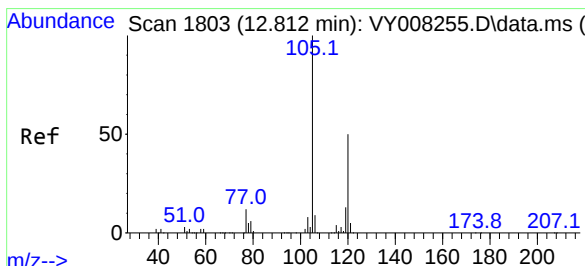
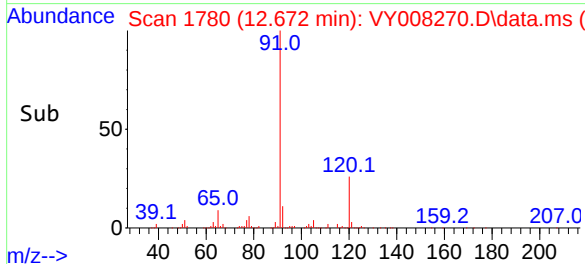
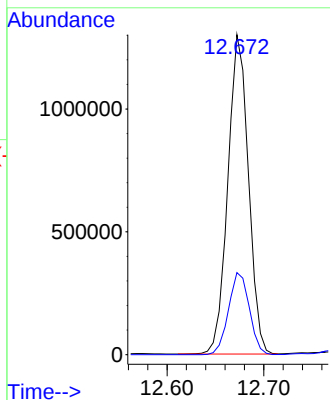
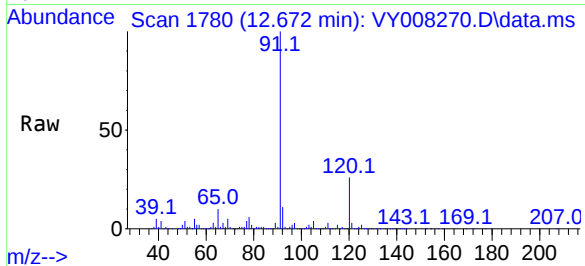




#78
n-propylbenzene
Concen: 144.983 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

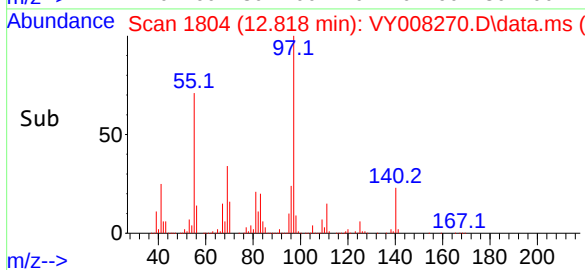
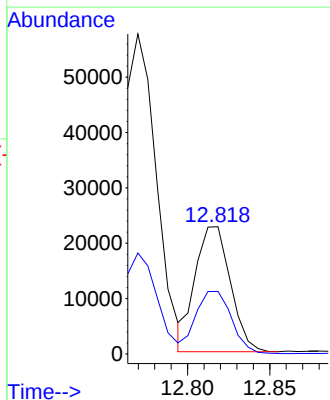
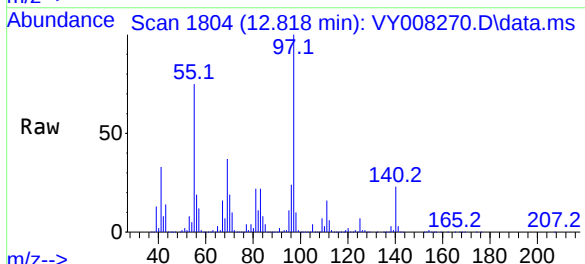
Instrument :
MSVOA_Y
ClientSampleId :
B-3

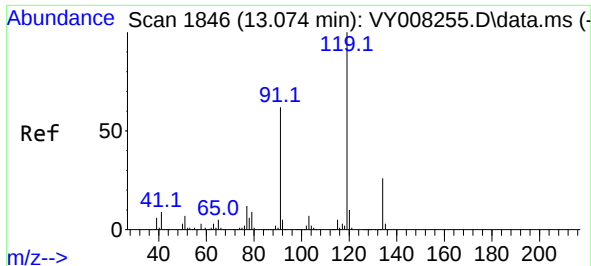
Tgt Ion: 91 Resp: 1918036
Ion Ratio Lower Upper
91 100
120 26.0 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 3.664 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion: 105 Resp: 33680
Ion Ratio Lower Upper
105 100
120 50.7 24.4 73.4

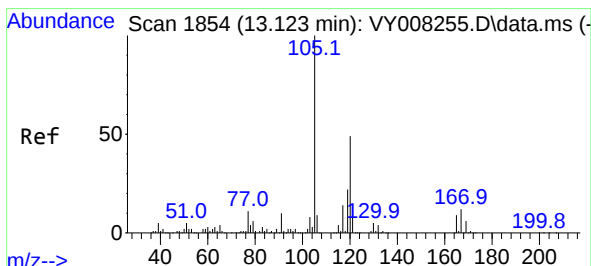
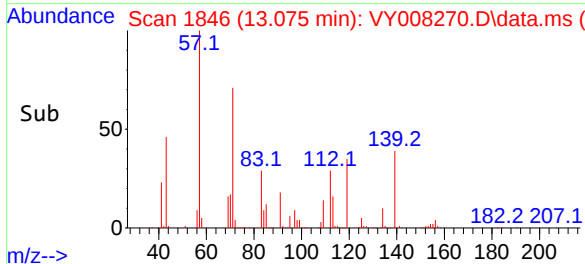
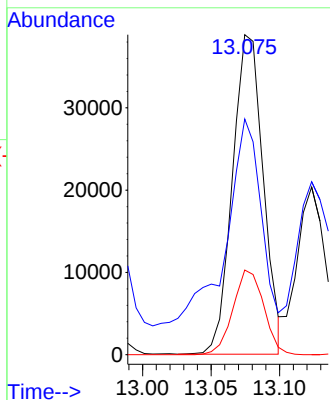
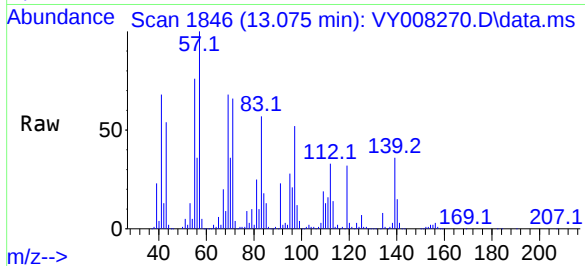




#83
tert-Butylbenzene
Concen: 7.354 ug/l
RT: 13.075 min Scan# 119
Delta R.T. 0.001 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

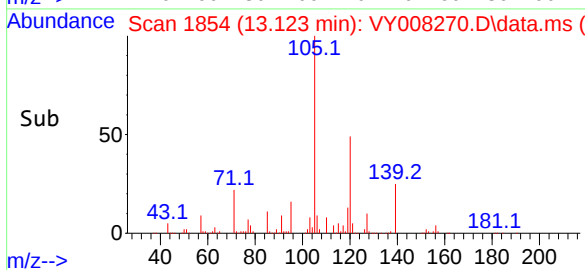
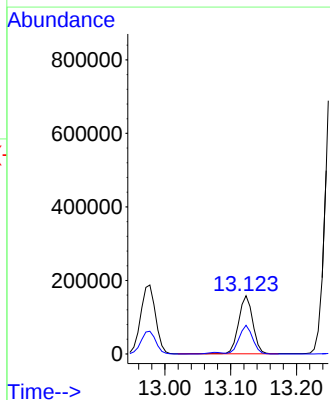
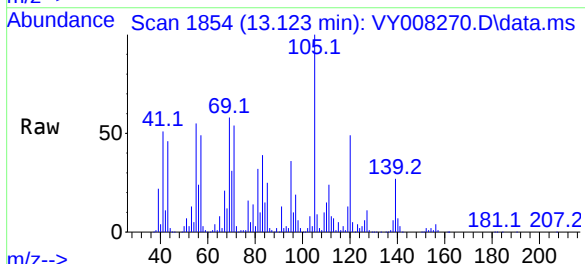
Instrument :
MSVOA_Y
ClientSampleId :
B-3

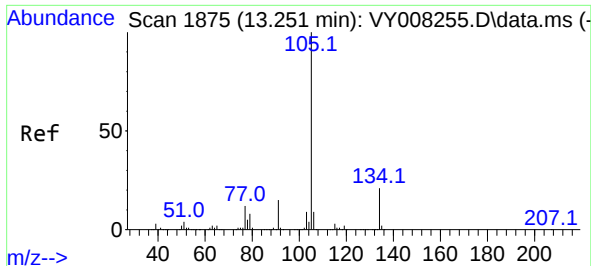
Tgt Ion:119 Resp: 60648
Ion Ratio Lower Upper
119 100
91 72.2 34.8 104.4
134 26.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 25.782 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008270.D
Acq: 11 Apr 2022 14:09

Tgt Ion:105 Resp: 234564
Ion Ratio Lower Upper
105 100
120 47.3 22.3 66.9

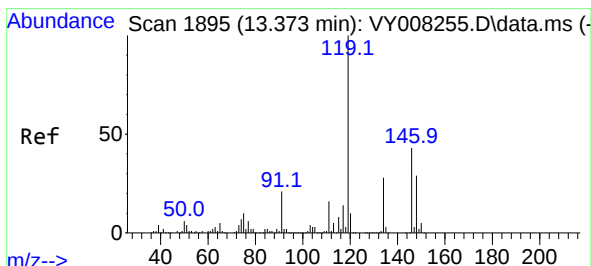
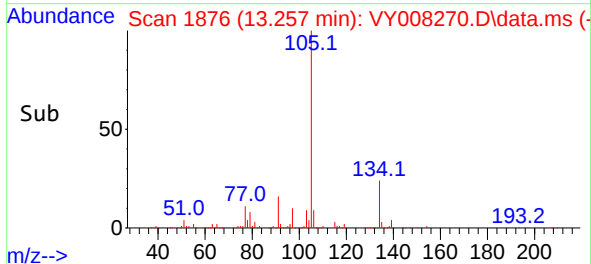
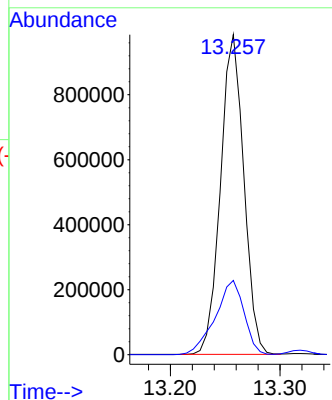
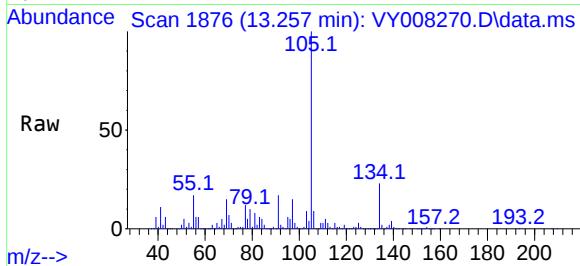




#85
 sec-Butylbenzene
 Concen: 118.777 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY008270.D
 Acq: 11 Apr 2022 14:09

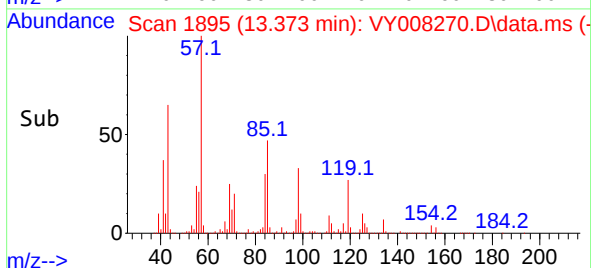
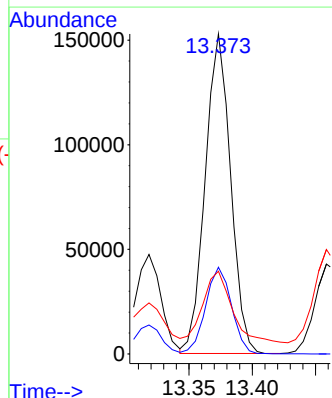
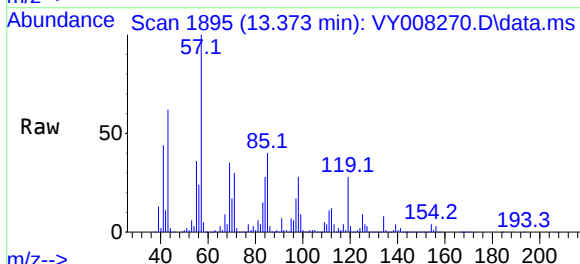
Instrument :
 MSVOA_Y
 ClientSampleId :
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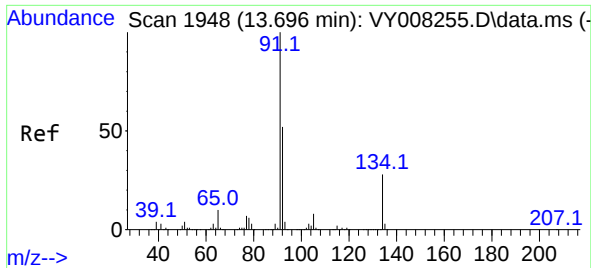
Tgt Ion:105 Resp: 1452273
 Ion Ratio Lower Upper
 105 100
 134 28.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.905 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY008270.D
 Acq: 11 Apr 2022 14:09

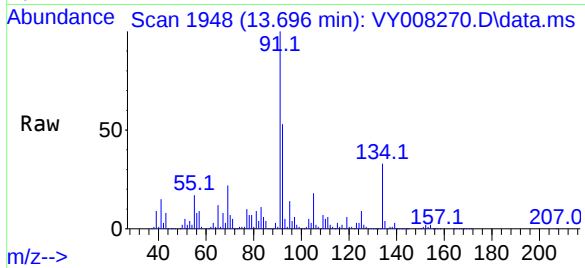
Tgt Ion:119 Resp: 213296
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.2 39.5
 91 25.5 12.4 37.2





#89
 n-Butylbenzene
 Concen: 116.306 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY008270.D
 Acq: 11 Apr 2022 14:09

Instrument :
 MSVOA_Y
 ClientSampleId :
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Tgt Ion: 91 Resp: 1072169

Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.3	78.9
134	31.5	13.0	38.9

