

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041122\
 Data File : VY008269.D
 Acq On : 11 Apr 2022 13:46
 Operator : KP/MD
 Sample : N2328-02
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-2

Quant Time: Apr 12 06:57:29 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	147072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	252449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	219757	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132976	50.000	ug/l	0.00

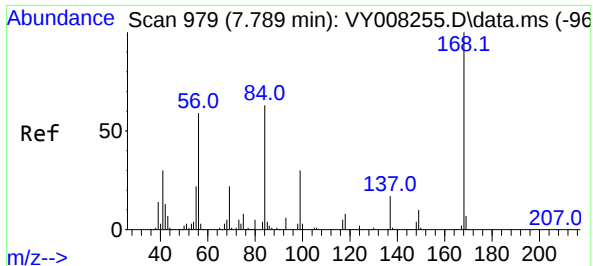
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73955	53.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.060%
35) Dibromofluoromethane	7.716	113	78477	53.821	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.640%
50) Toluene-d8	10.179	98	363619	72.879	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	145.760%#
62) 4-Bromofluorobenzene	12.483	95	136637	72.811	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	145.620%#

Target Compounds						Qvalue
16) Acetone	3.948	43	11443	34.438	ug/l	95
31) Cyclohexane	7.783	56	225822	90.396	ug/l	# 82
39) Methylcyclohexane	9.185	83	1035695	345.713	ug/l	# 81
40) Benzene	8.161	78	11567	1.668	ug/l	94
52) Toluene	10.246	92	9801	2.145	ug/l	96
67) Ethyl Benzene	11.593	91	661251	81.591	ug/l	95
68) m/p-Xylenes	11.709	106	20511	6.364	ug/l	92
69) o-Xylene	12.032	106	37838	12.097	ug/l	100
73) Isopropylbenzene	12.331	105	1588570	160.681	ug/l	97
78) n-propylbenzene	12.672	91	2220025	190.297	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	62314	7.687	ug/l	95
83) tert-Butylbenzene	13.081	119	58410	8.031	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	3078873	383.764	ug/l	93
85) sec-Butylbenzene	13.258	105	1659930	153.952	ug/l	84
86) p-Isopropyltoluene	13.373	119	283227	31.478	ug/l	97
89) n-Butylbenzene	13.703	91	1145435	140.904	ug/l	# 80
95) Naphthalene	15.239	128	405774	75.028	ug/l	96

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

Quant Time: Apr 12 06:57:29 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

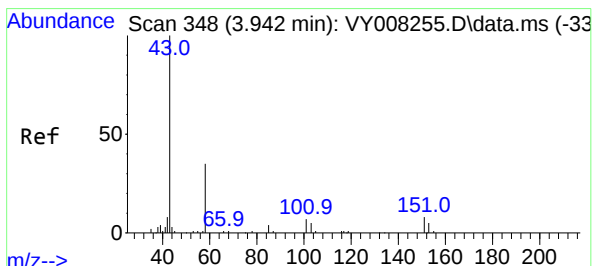
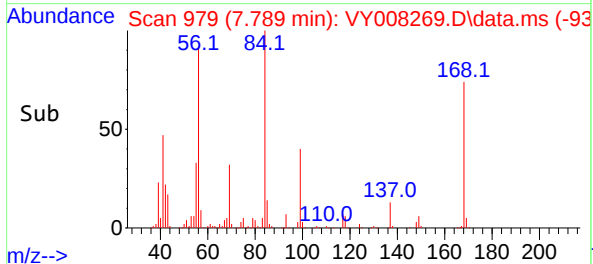
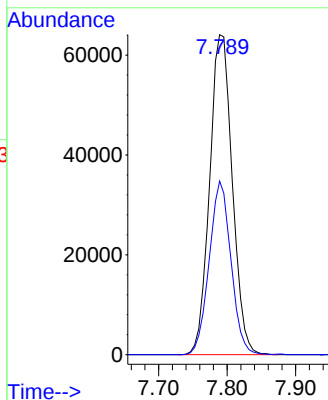
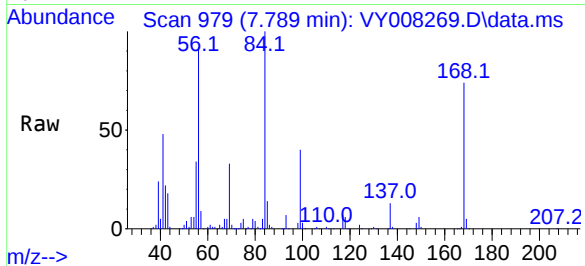




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

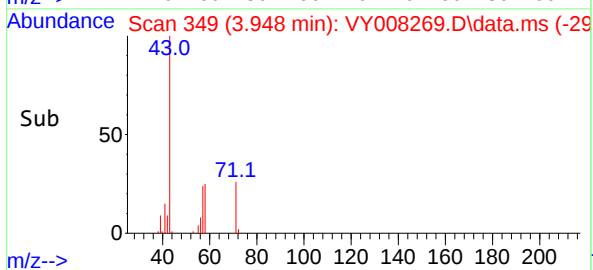
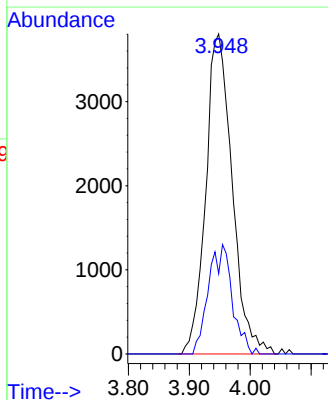
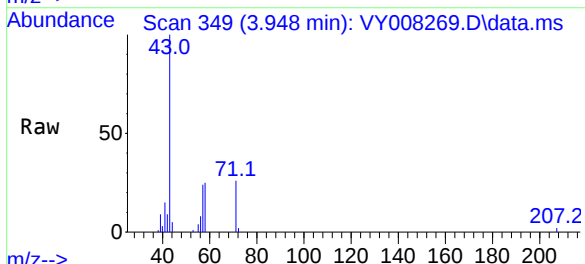
Instrument :
MSVOA_Y
ClientSampleId :
B-2

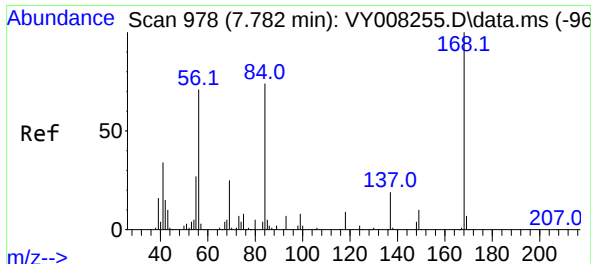
Tgt Ion:168 Resp: 147072
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#16
Acetone
Concen: 34.438 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion: 43 Resp: 11443
Ion Ratio Lower Upper
43 100
58 25.1 22.0 33.0

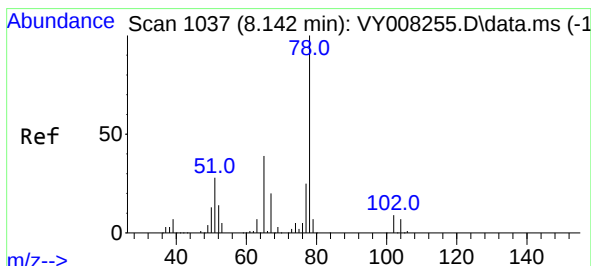
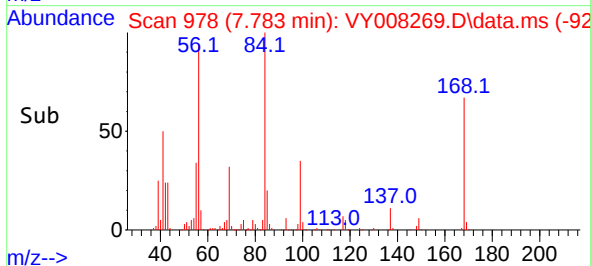
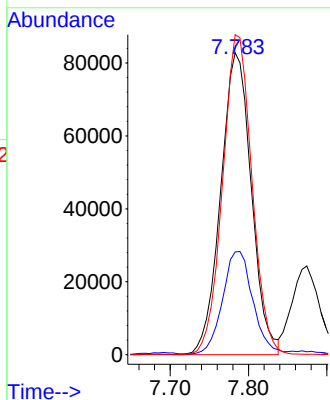
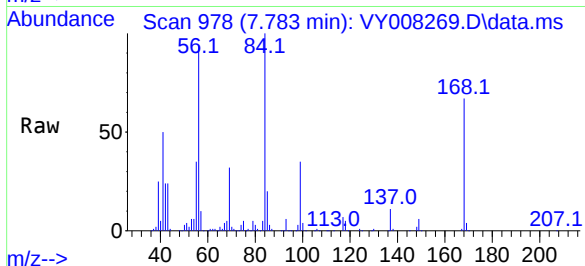




#31
Cyclohexane
Concen: 90.396 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

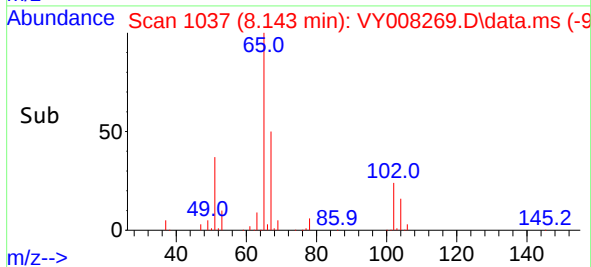
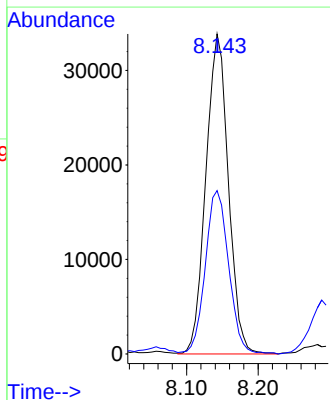
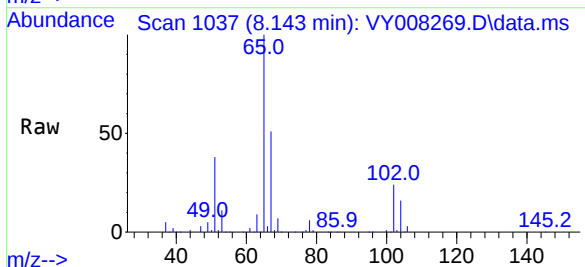
Instrument :
MSVOA_Y
ClientSampleId :
B-2

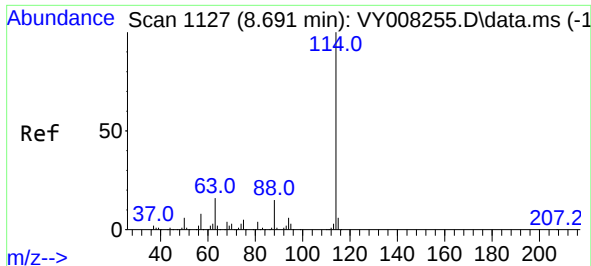
Tgt Ion: 56 Resp: 225822
Ion Ratio Lower Upper
56 100
69 33.7 26.7 40.1
84 106.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.533 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion: 65 Resp: 73955
Ion Ratio Lower Upper
65 100
67 53.2 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: VY008269.D

Acq: 11 Apr 2022 13:46

Instrument :

MSVOA_Y

ClientSampleId :

B-2

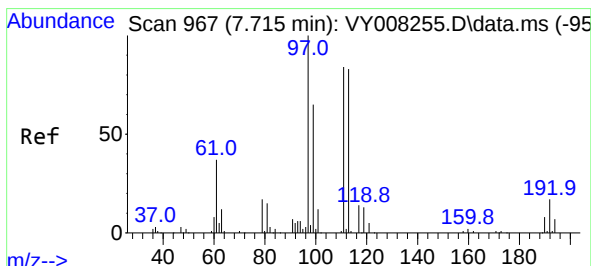
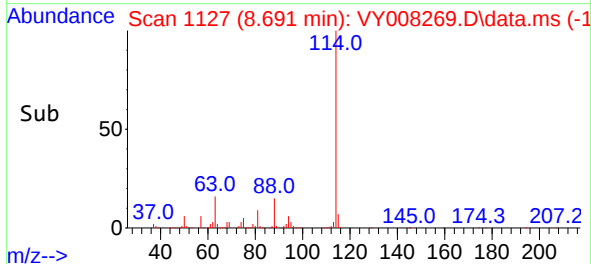
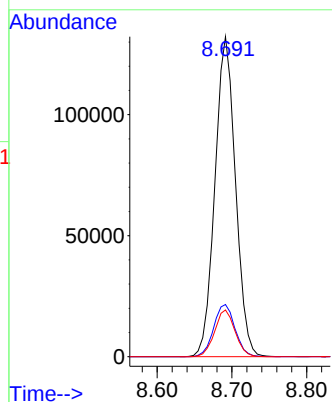
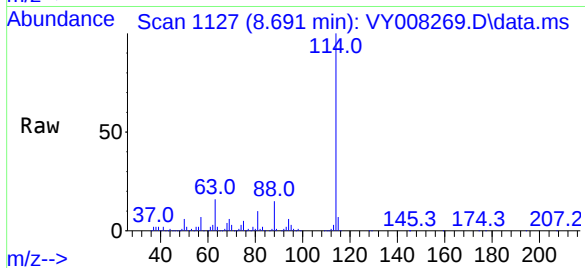
Tgt Ion:114 Resp: 252449

Ion Ratio Lower Upper

114 100

63 16.3 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.821 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008269.D

Acq: 11 Apr 2022 13:46

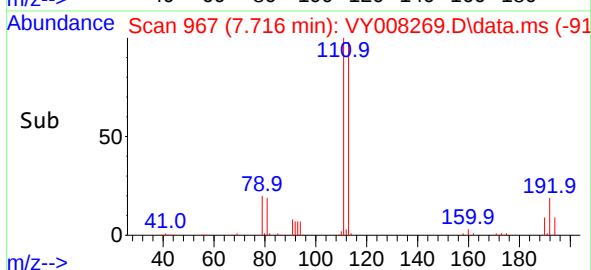
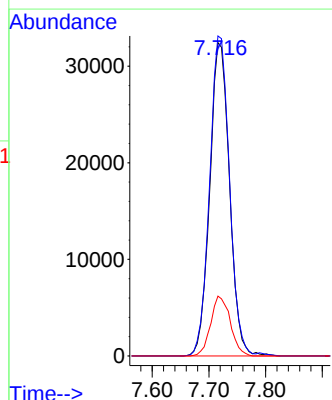
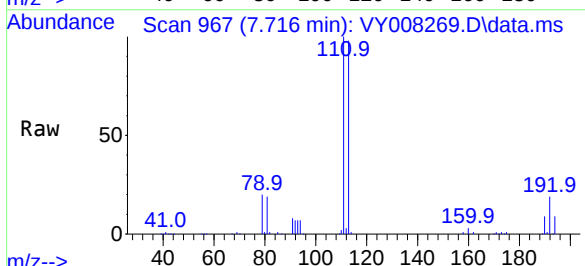
Tgt Ion:113 Resp: 78477

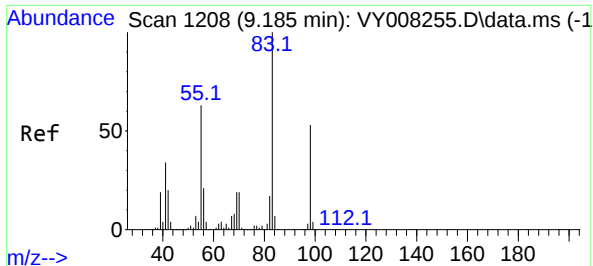
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.0 17.6 26.4





#39

Methylcyclohexane

Concen: 345.713 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008269.D

Acq: 11 Apr 2022 13:46

Instrument :

MSVOA_Y

ClientSampleId :

B-2

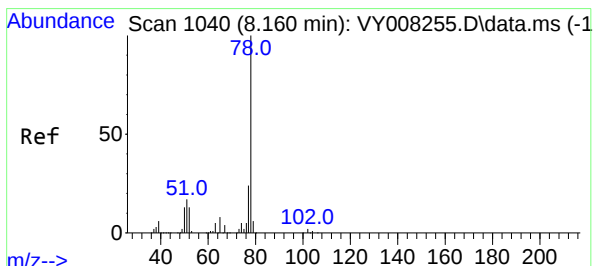
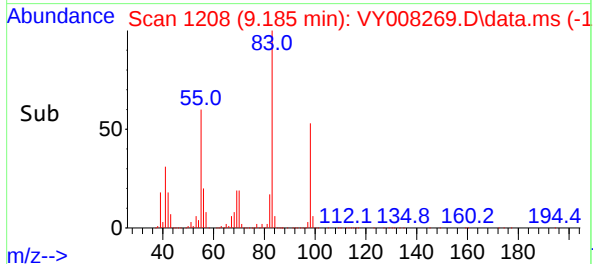
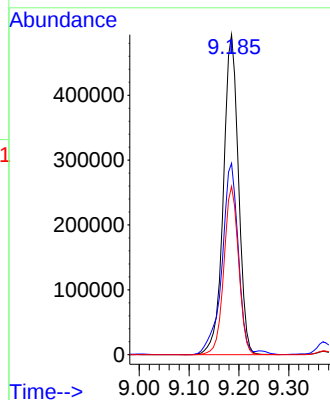
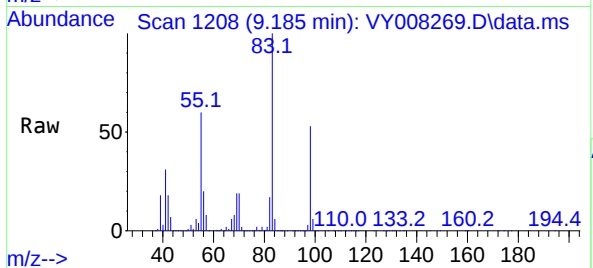
Tgt Ion: 83 Resp: 1035695

Ion Ratio Lower Upper

83 100

55 59.8 66.5 99.7#

98 52.6 37.9 56.9



#40

Benzene

Concen: 1.668 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.001 min

Lab File: VY008269.D

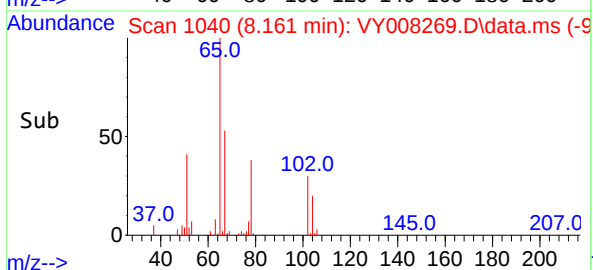
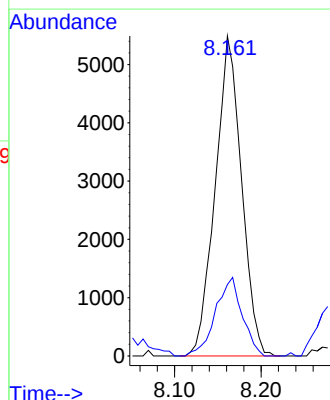
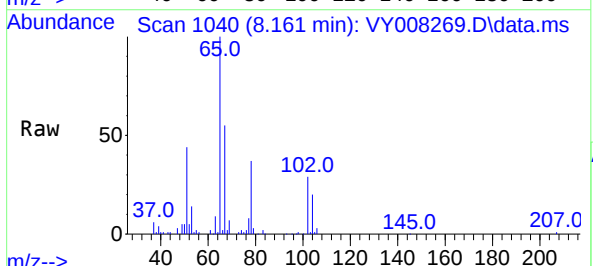
Acq: 11 Apr 2022 13:46

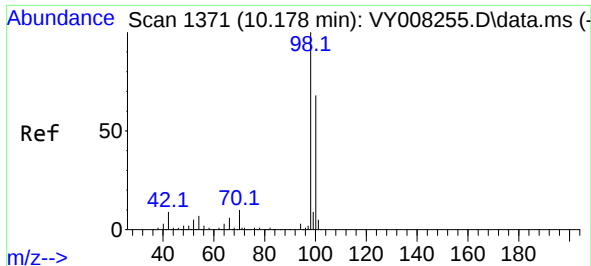
Tgt Ion: 78 Resp: 11567

Ion Ratio Lower Upper

78 100

77 22.3 20.4 30.6

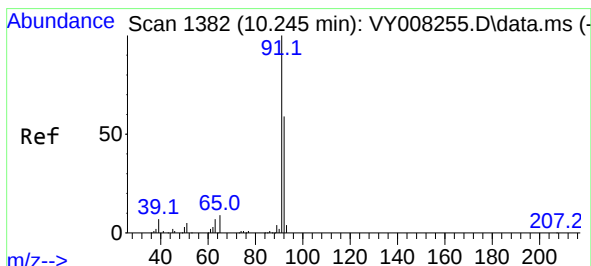
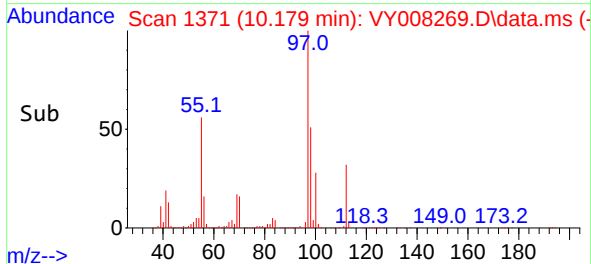
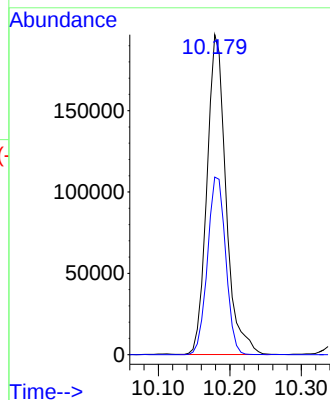
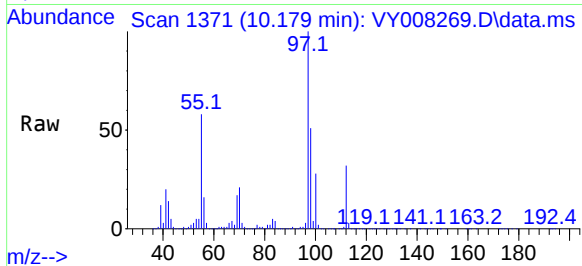




#50
Toluene-d8
Concen: 72.879 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

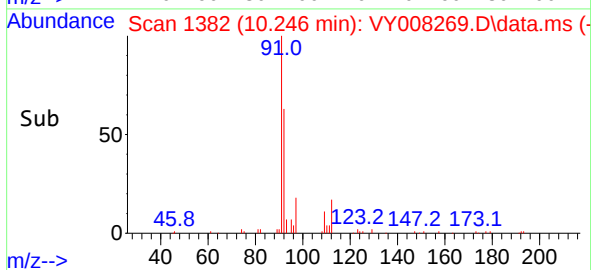
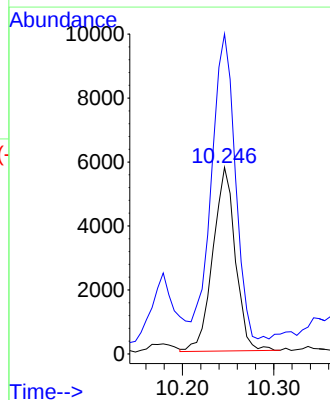
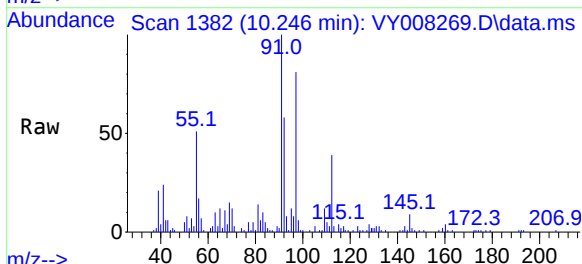
Instrument :
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ClientSampleId :
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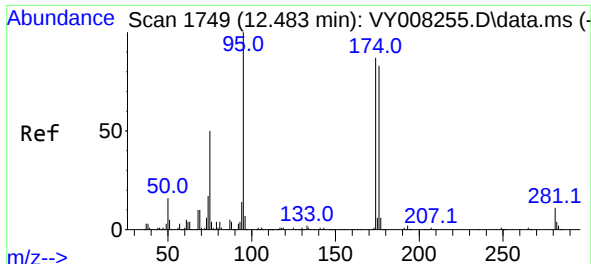
Tgt Ion: 98 Resp: 363619
Ion Ratio Lower Upper
98 100
100 53.1 50.2 75.2



#52
Toluene
Concen: 2.145 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.001 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion: 92 Resp: 9801
Ion Ratio Lower Upper
92 100
91 173.0 142.6 213.8

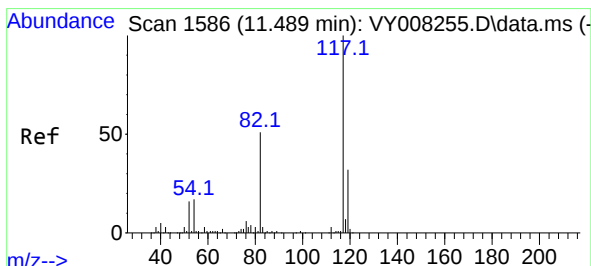
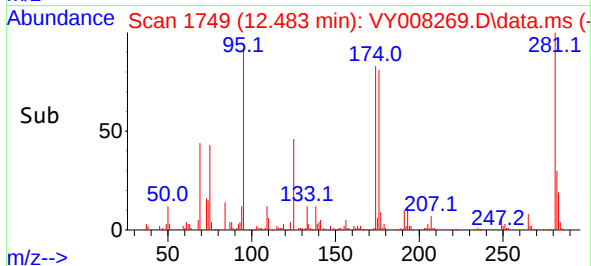
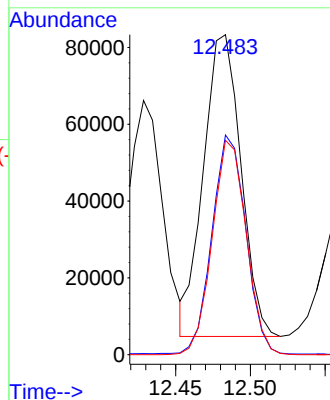
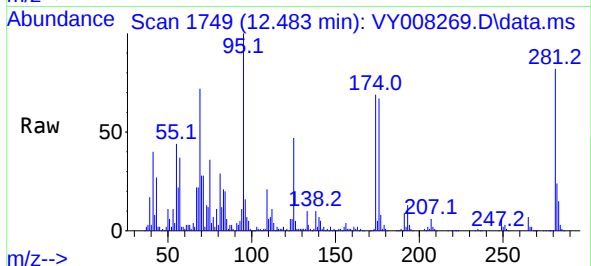




#62
4-Bromofluorobenzene
Concen: 72.811 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

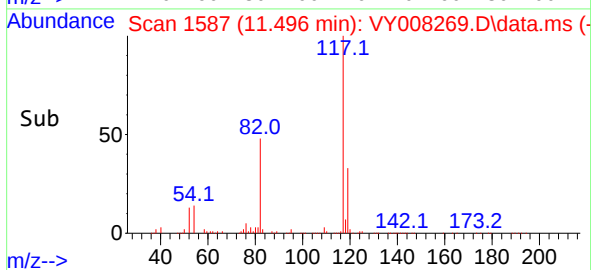
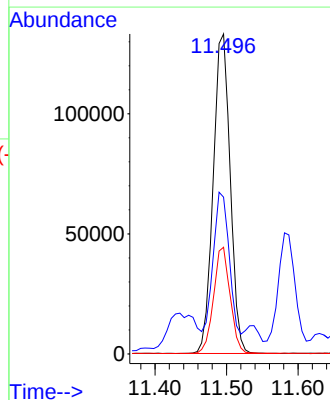
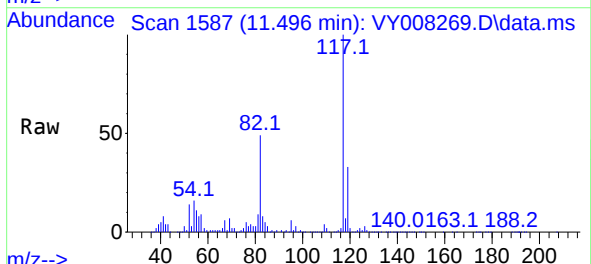
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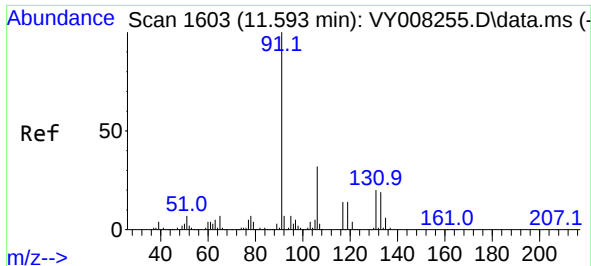
Tgt Ion: 95 Resp: 136637
Ion Ratio Lower Upper
95 100
174 66.2 0.0 177.0
176 64.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion:117 Resp: 219757
Ion Ratio Lower Upper
117 100
82 36.3 43.0 64.4#
119 33.2 25.4 38.0

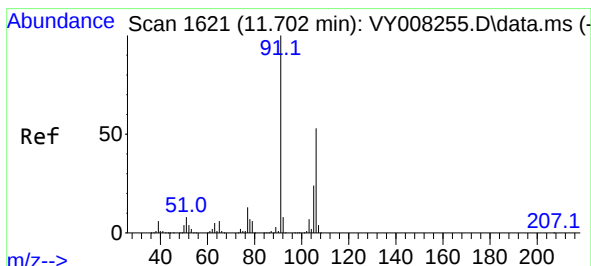
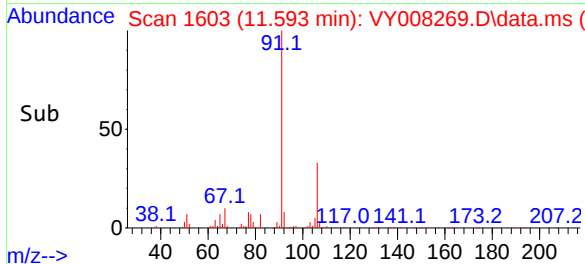
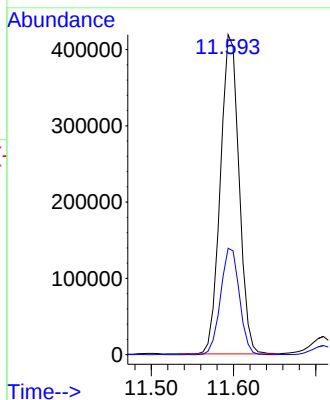
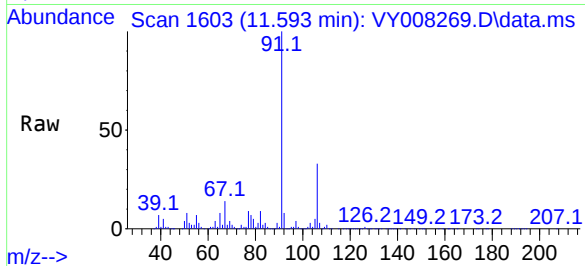




#67
Ethyl Benzene
Concen: 81.591 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

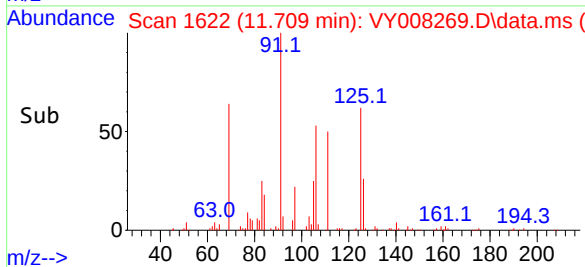
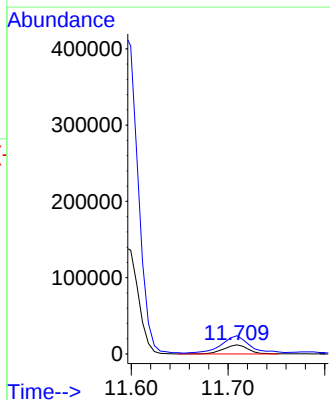
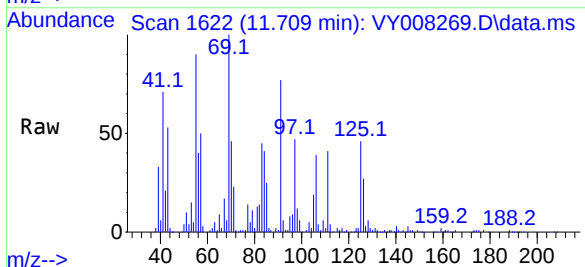
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MSVOA_Y
ClientSampleId :
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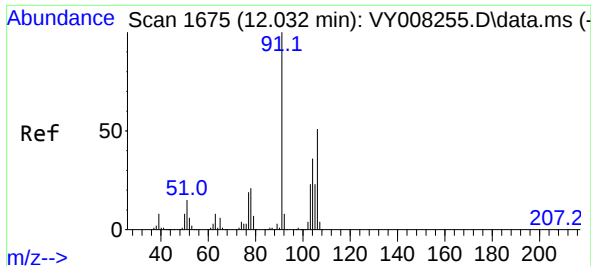
Tgt Ion: 91 Resp: 661251
Ion Ratio Lower Upper
91 100
106 33.3 24.5 36.7



#68
m/p-Xylenes
Concen: 6.364 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.007 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion: 106 Resp: 20511
Ion Ratio Lower Upper
106 100
91 220.6 166.6 249.8

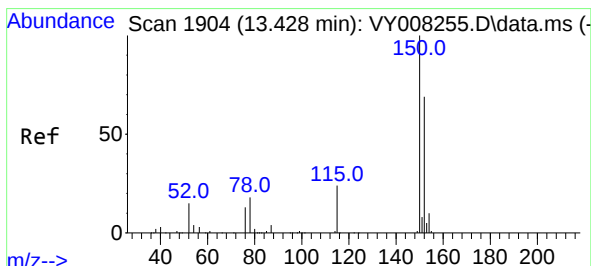
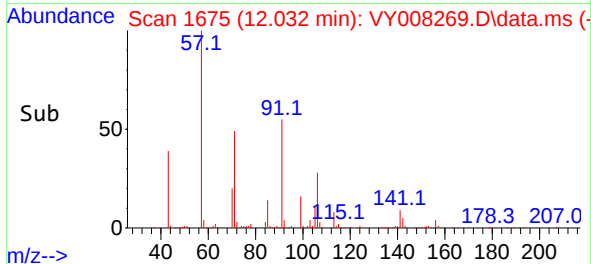
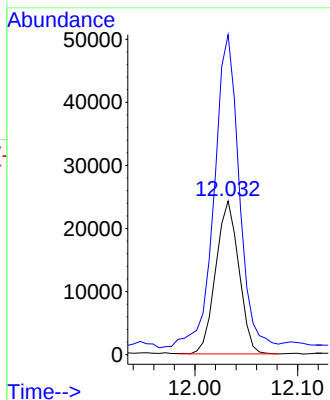
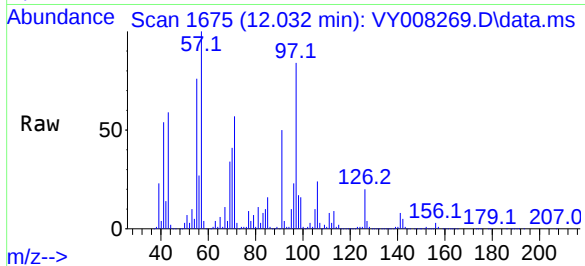




#69
o-Xylene
Concen: 12.097 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

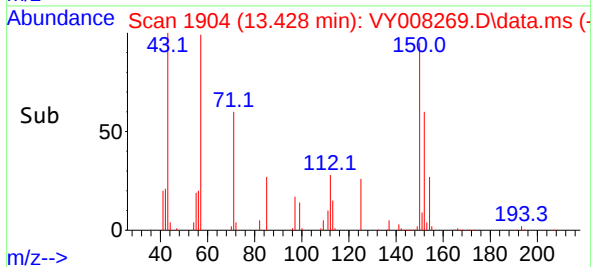
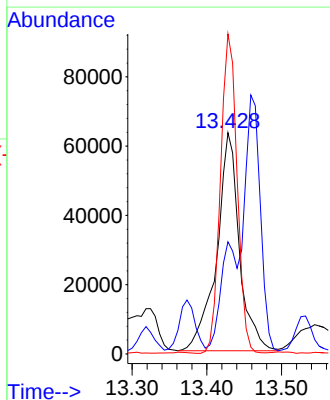
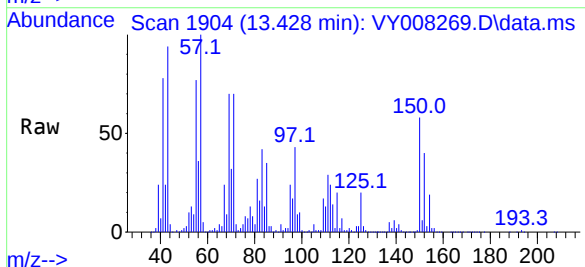
Instrument :
MSVOA_Y
ClientSampleId :
B-2

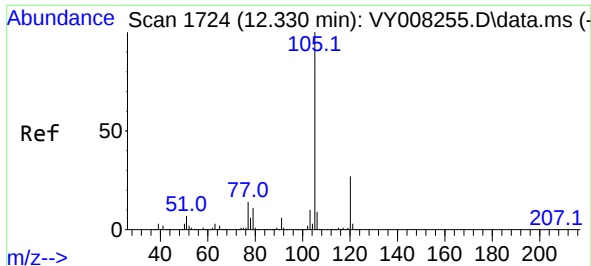
Tgt Ion:106 Resp: 37838
Ion Ratio Lower Upper
106 100
91 221.4 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion:152 Resp: 132976
Ion Ratio Lower Upper
152 100
115 34.3 28.2 84.7
150 107.5 0.0 347.6

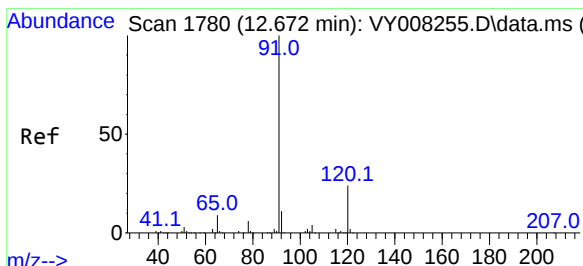
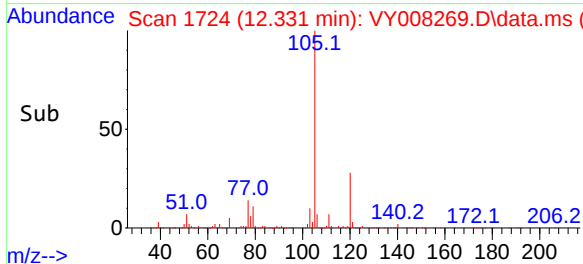
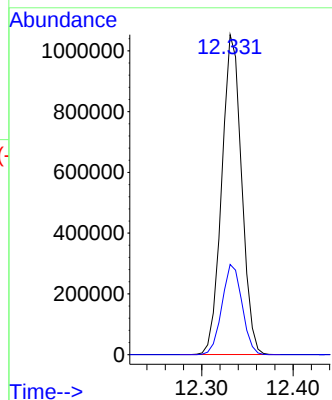
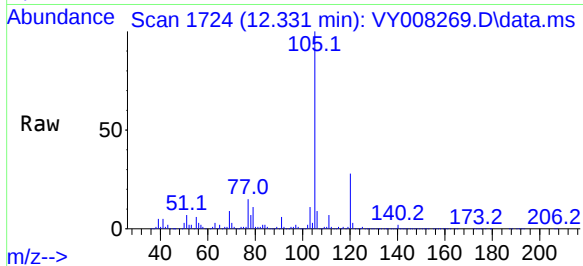




#73
Isopropylbenzene
Concen: 160.681 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

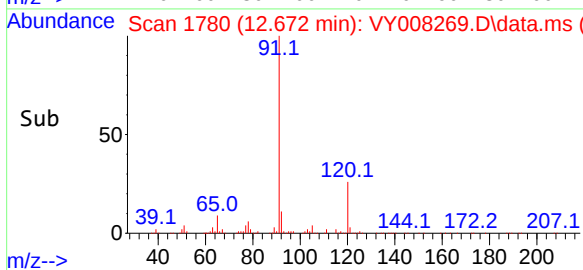
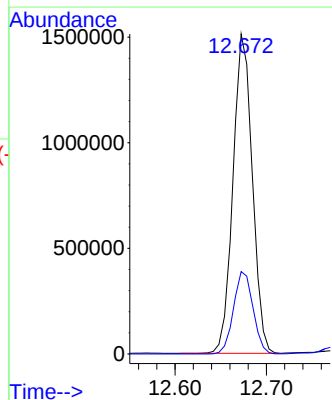
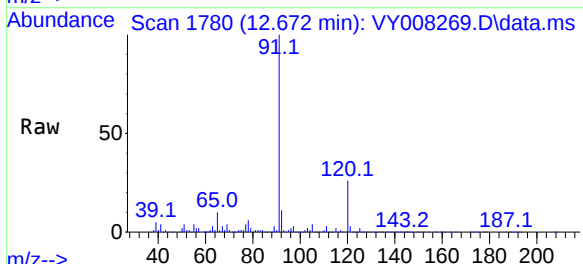
Instrument :
MSVOA_Y
ClientSampleId :
B-2

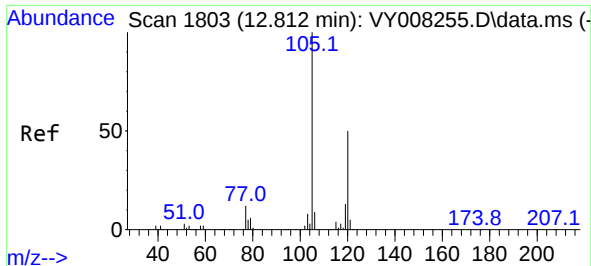
Tgt Ion:105 Resp: 1588570
Ion Ratio Lower Upper
105 100
120 28.5 13.4 40.2



#78
n-propylbenzene
Concen: 190.297 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion: 91 Resp: 2220025
Ion Ratio Lower Upper
91 100
120 26.0 11.3 33.9

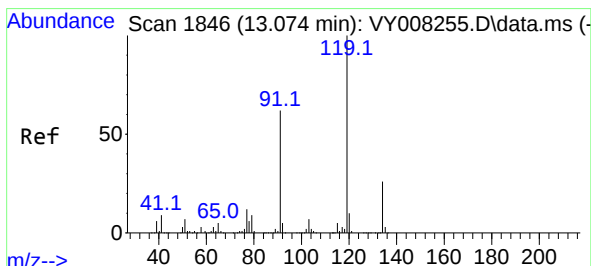
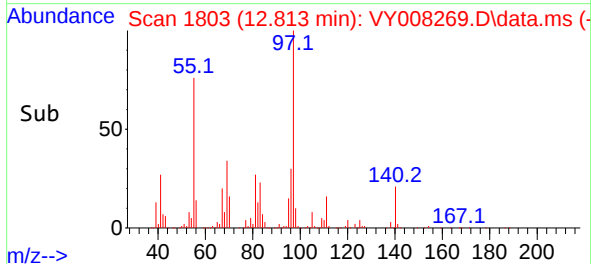
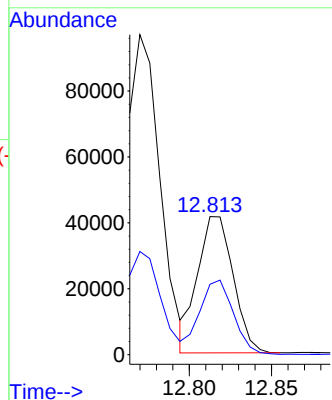
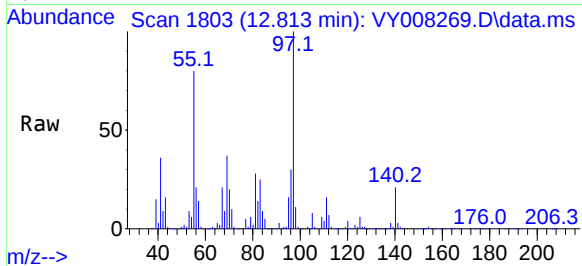




#80
1,3,5-Trimethylbenzene
Concen: 7.687 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

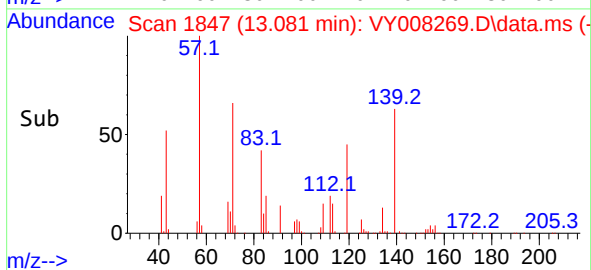
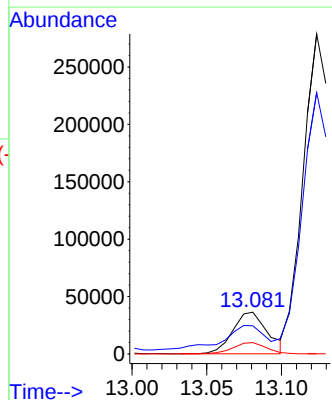
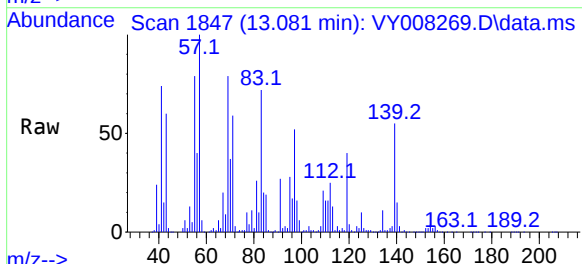
Instrument :
MSVOA_Y
ClientSampleId :
B-2

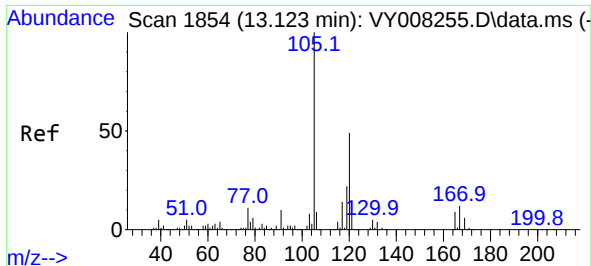
Tgt Ion:105 Resp: 62314
Ion Ratio Lower Upper
105 100
120 52.0 24.4 73.4



#83
tert-Butylbenzene
Concen: 8.031 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.007 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion:119 Resp: 58410
Ion Ratio Lower Upper
119 100
91 68.5 34.8 104.4
134 26.4 13.3 39.9

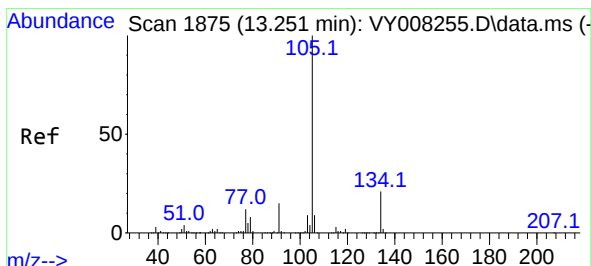
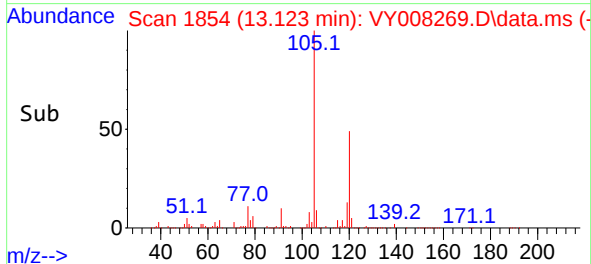
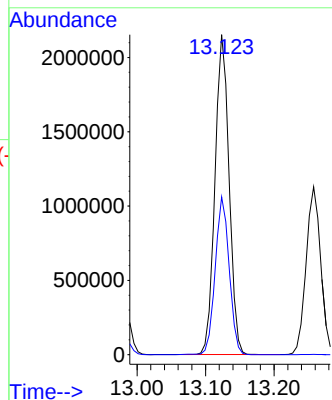
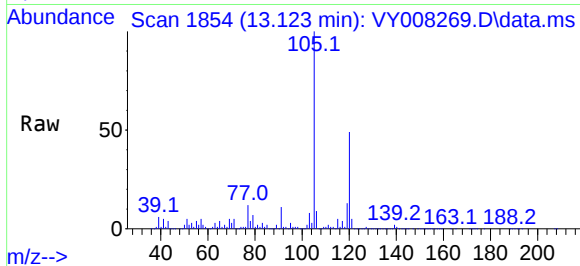




#84
1,2,4-Trimethylbenzene
Concen: 383.764 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

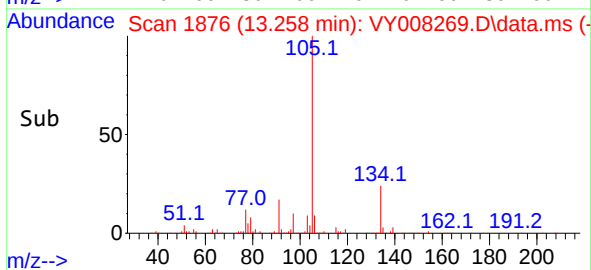
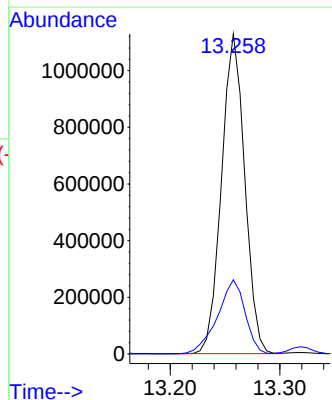
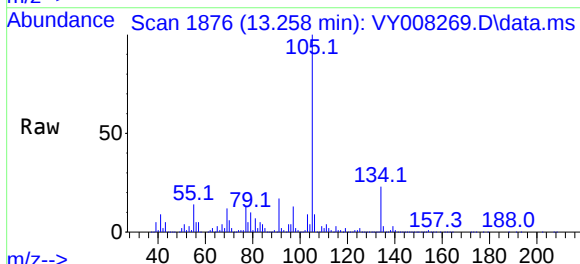
Instrument :
MSVOA_Y
ClientSampleId :
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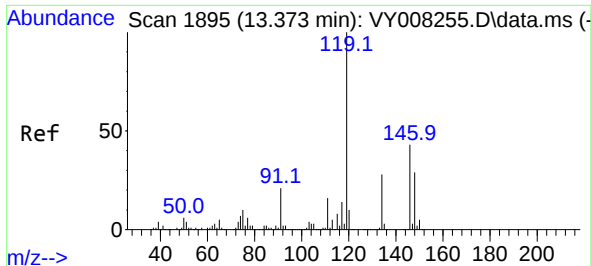
Tgt Ion:105 Resp: 3078873
Ion Ratio Lower Upper
105 100
120 48.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 153.952 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.007 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion:105 Resp: 1659930
Ion Ratio Lower Upper
105 100
134 27.7 10.2 30.4

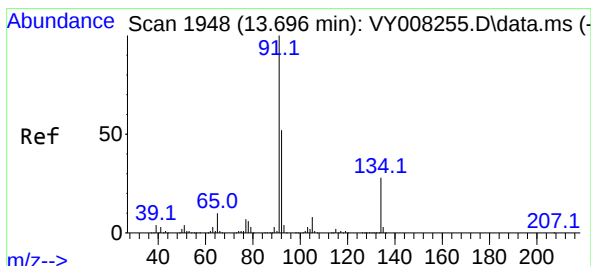
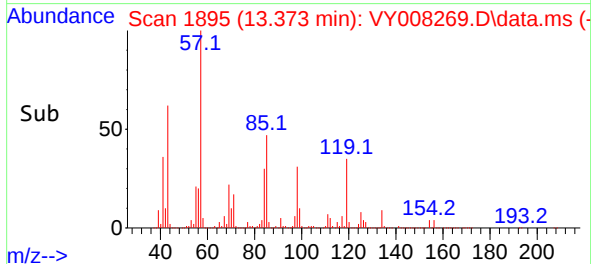
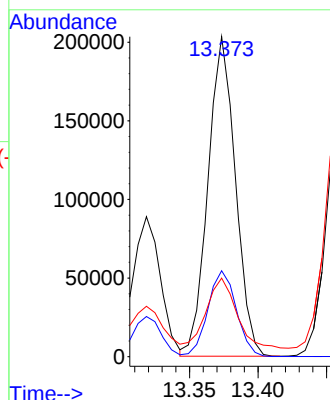
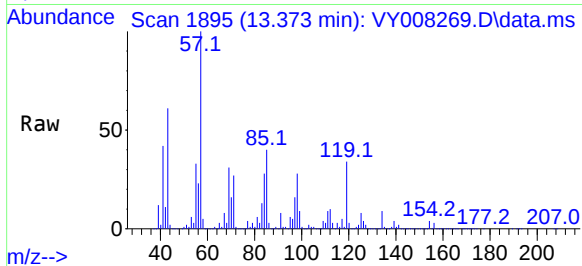




#86
p-Isopropyltoluene
Concen: 31.478 ug/l
RT: 13.373 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

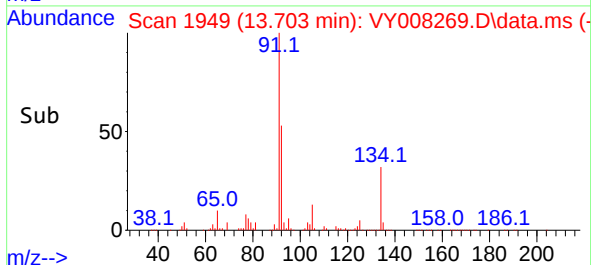
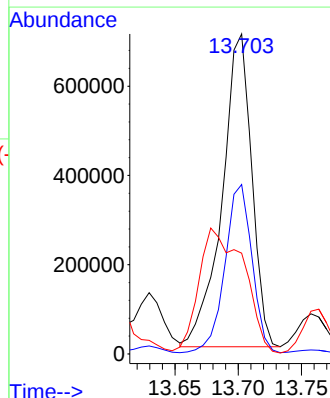
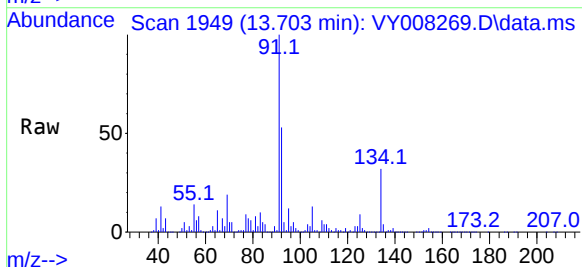
Instrument :
MSVOA_Y
ClientSampleId :
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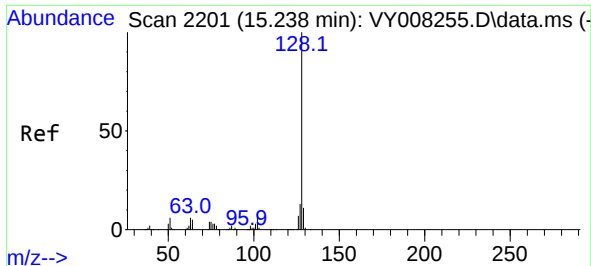
Tgt Ion:119 Resp: 283227
Ion Ratio Lower Upper
119 100
134 27.9 13.2 39.5
91 23.8 12.4 37.2



#89
n-Butylbenzene
Concen: 140.904 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VY008269.D
Acq: 11 Apr 2022 13:46

Tgt Ion: 91 Resp: 1145435
Ion Ratio Lower Upper
91 100
92 49.1 26.3 78.9
134 0.0 13.0 38.9#





#95

Naphthalene

Concen: 75.028 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.001 min

Lab File: VY008269.D

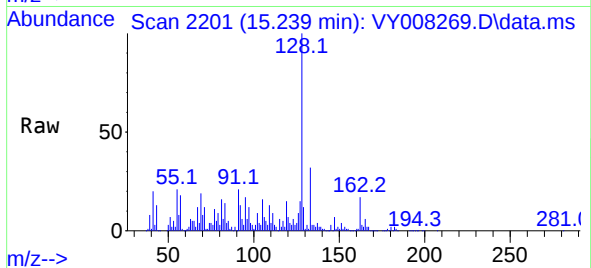
Acq: 11 Apr 2022 13:46

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion:128 Resp: 405774

Ion Ratio Lower Upper

128 100

127 15.6 11.0 16.4

129 9.3 8.4 12.6

