

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016171.D
 Acq On : 01 Nov 2023 16:13
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLK

Quant Time: Nov 02 02:27:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

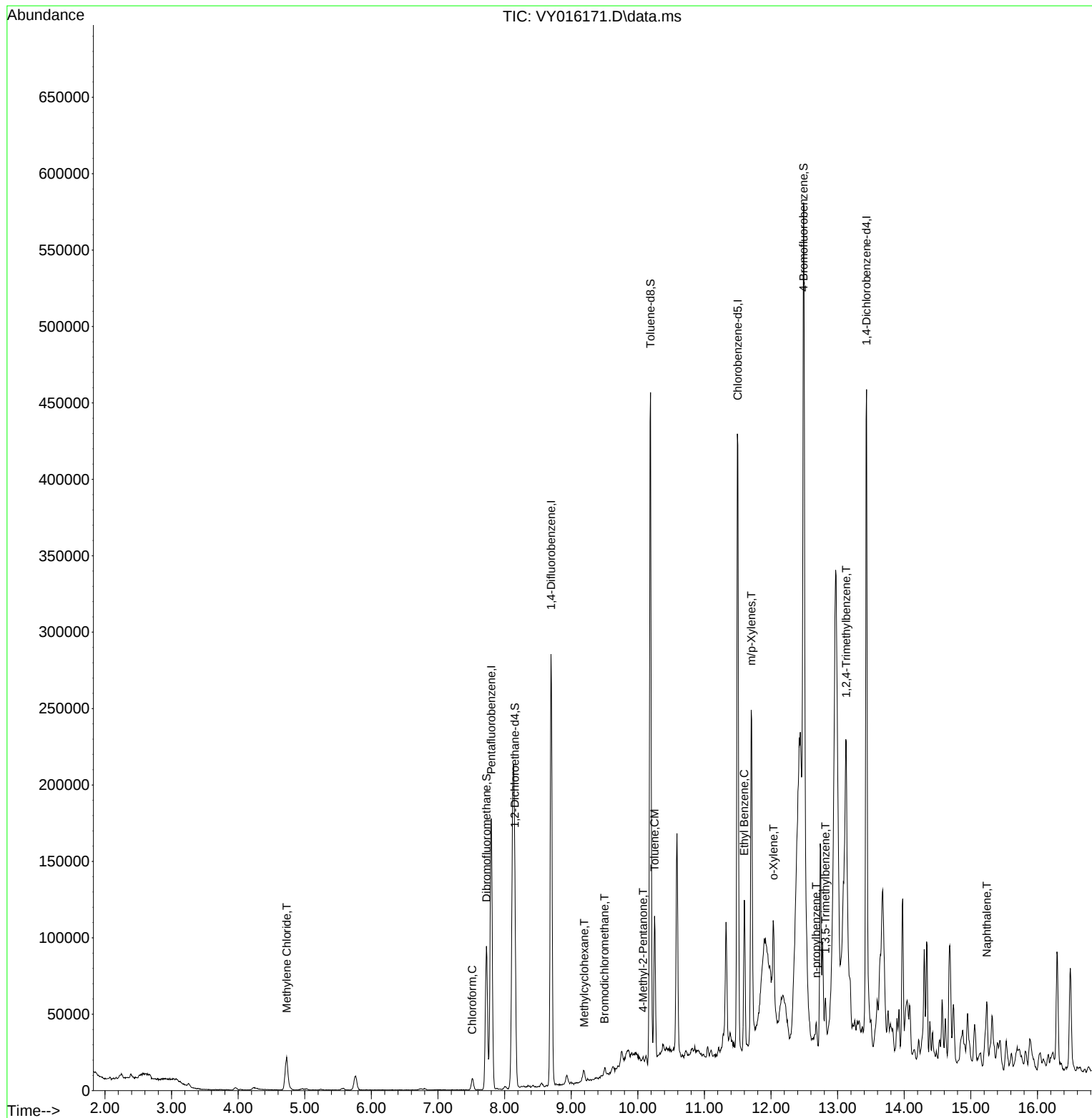
Internal Standards						
1) Pentafluorobenzene	7.801	168	146173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	245747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	228657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	77256	56.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.960%	
35) Dibromofluoromethane	7.728	113	66936	45.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.380%	
50) Toluene-d8	10.191	98	286961	49.402	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.800%	
62) 4-Bromofluorobenzene	12.489	95	103646	52.181	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.360%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.729	84	15837	8.879	ug/l #	84
30) Chloroform	7.515	83	7555	2.898	ug/l	94
39) Methylcyclohexane	9.197	83	3012	1.193	ug/l	92
47) Bromodichloromethane	9.502	83	3976	1.888	ug/l #	98
51) 4-Methyl-2-Pentanone	10.081	43	1662	1.787	ug/l #	85
52) Toluene	10.252	92	39056	9.924	ug/l	94
67) Ethyl Benzene	11.599	91	69159	8.511	ug/l	97
68) m/p-Xylenes	11.703	106	63620	20.262	ug/l	95
69) o-Xylene	12.038	106	13419	4.476	ug/l	96
78) n-propylbenzene	12.678	91	12564	1.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	7826	1.173	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	39037	5.914	ug/l	95
95) Naphthalene	15.239	128	31269	8.185	ug/l	99

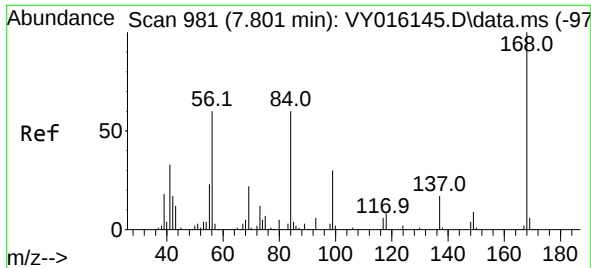
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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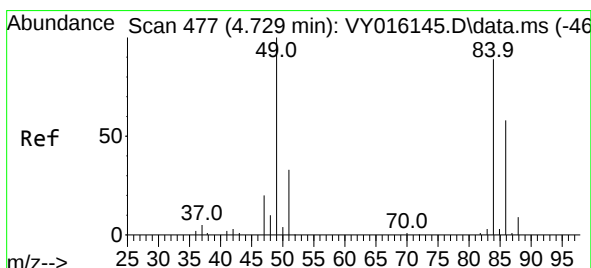
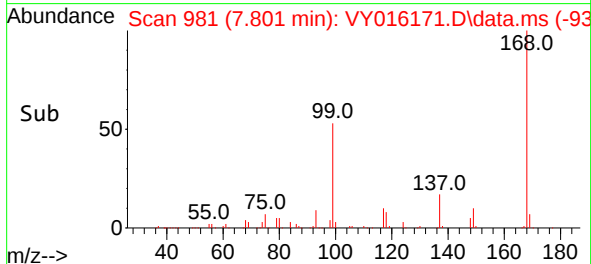
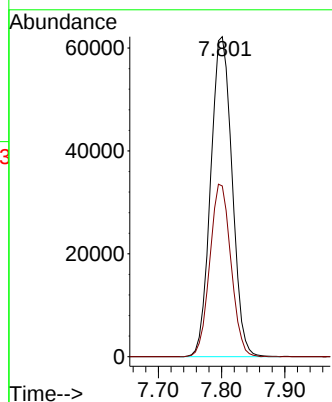
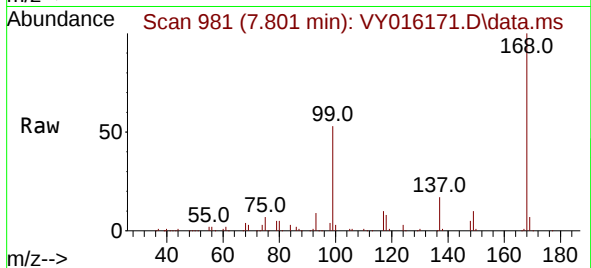




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

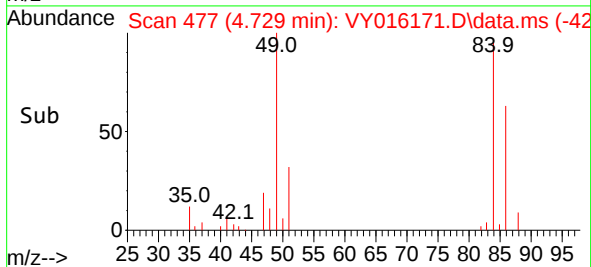
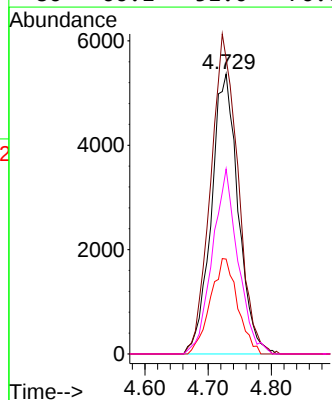
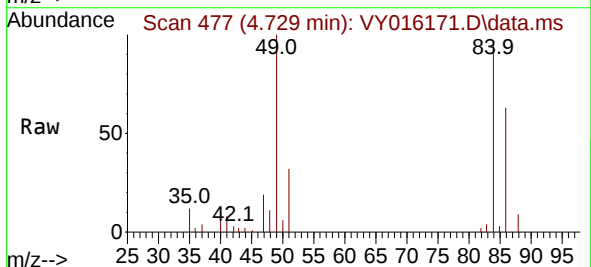
Instrument :
MSVOA_Y
ClientSampleId :
BLK

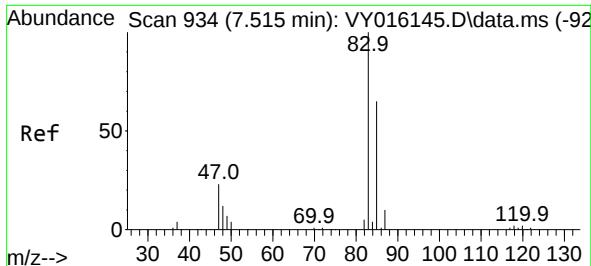
Tgt Ion:168 Resp: 146173
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#20
Methylene Chloride
Concen: 8.879 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 84 Resp: 15837
Ion Ratio Lower Upper
84 100
49 105.5 106.9 160.3#
51 33.9 33.2 49.8
86 66.1 51.0 76.6

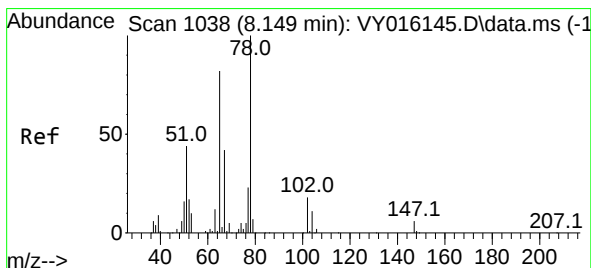
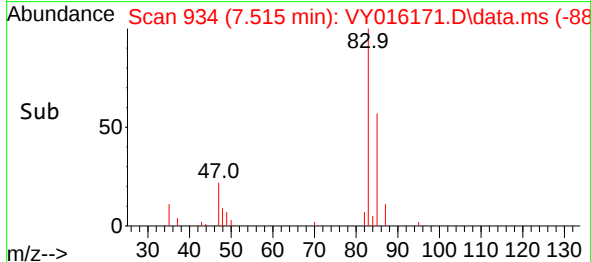
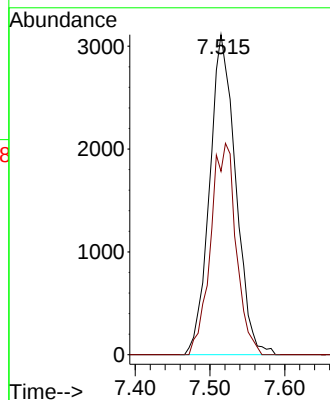
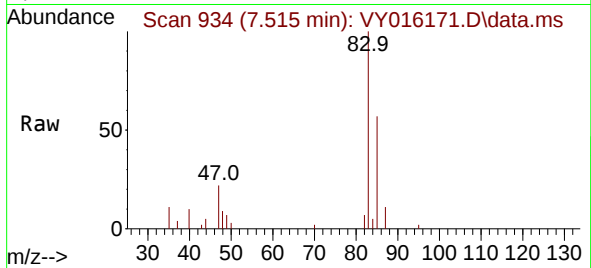




#30
Chloroform
Concen: 2.898 ug/l
RT: 7.515 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

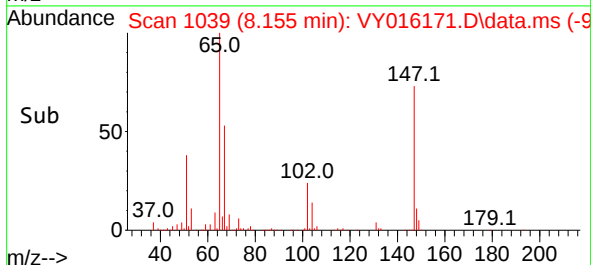
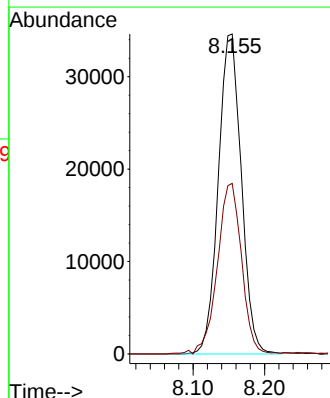
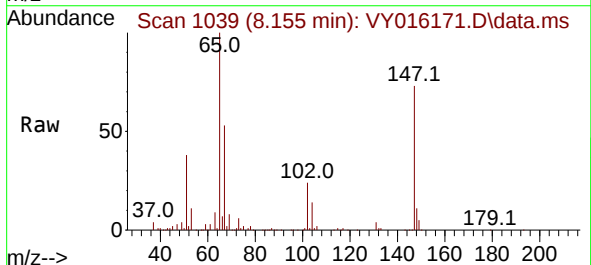
Instrument :
MSVOA_Y
ClientSampleId :
BLK

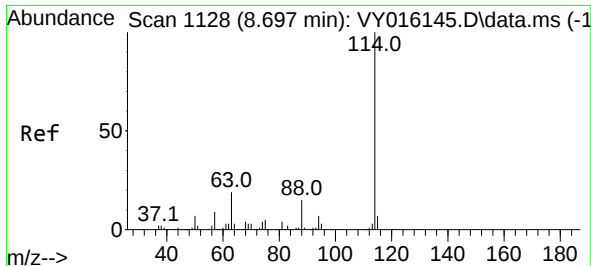
Tgt Ion: 83 Resp: 7555
Ion Ratio Lower Upper
83 100
85 57.3 49.7 74.5



#33
1,2-Dichloroethane-d4
Concen: 56.482 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 65 Resp: 77256
Ion Ratio Lower Upper
65 100
67 56.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

BLK

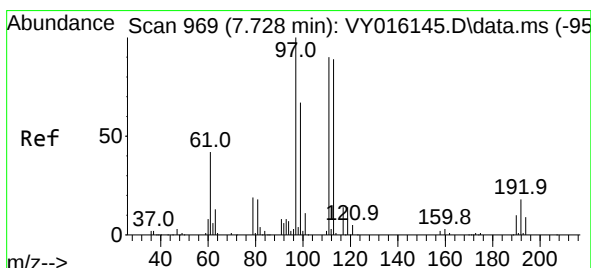
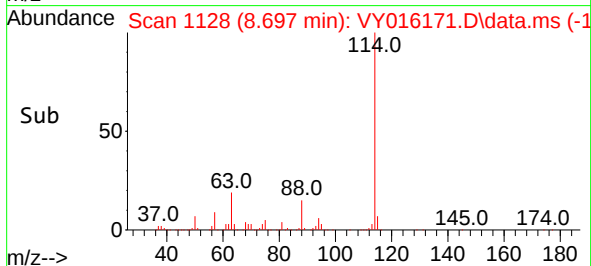
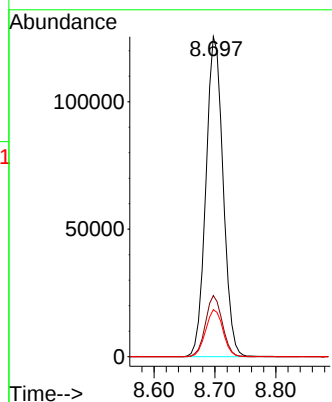
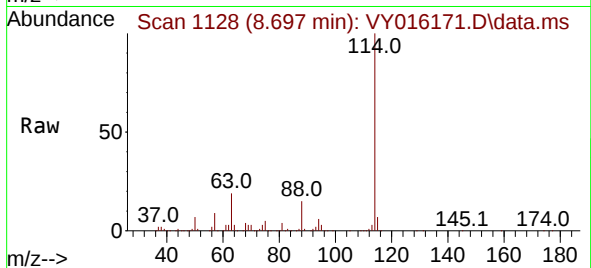
Tgt Ion:114 Resp: 245747

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.688 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

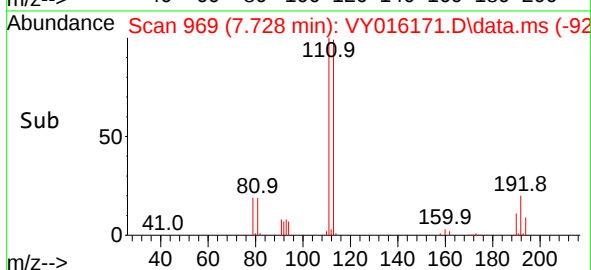
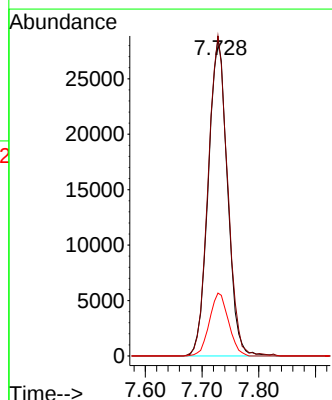
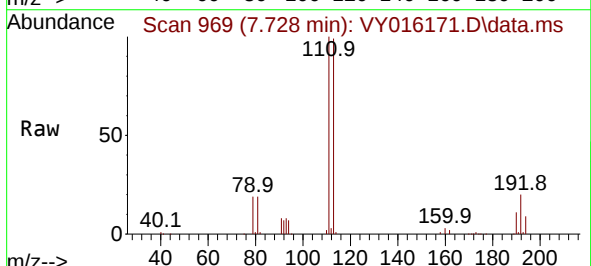
Tgt Ion:113 Resp: 66936

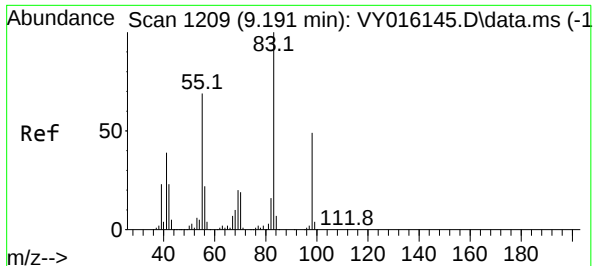
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.8 16.9 25.3





#39

Methylcyclohexane

Concen: 1.193 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

BLK

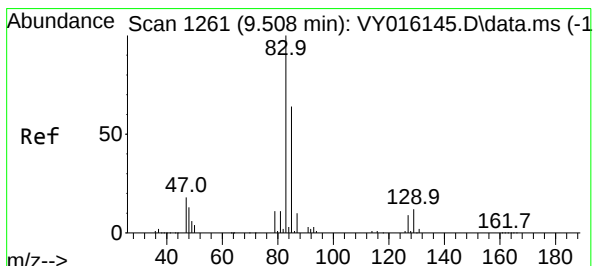
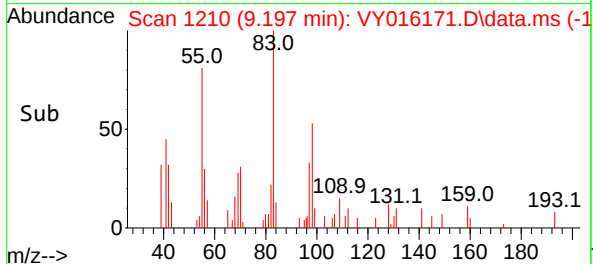
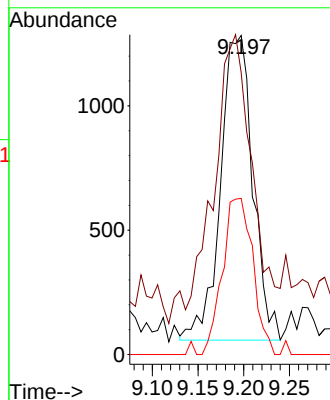
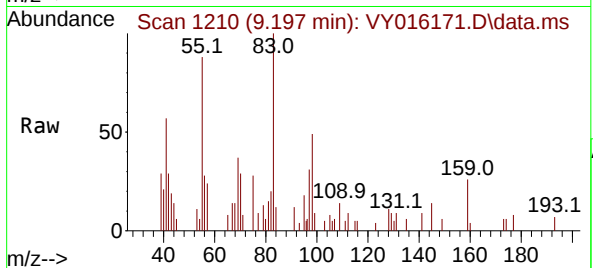
Tgt Ion: 83 Resp: 3012

Ion Ratio Lower Upper

83 100

55 71.7 63.0 94.4

98 51.3 37.4 56.2



#47

Bromodichloromethane

Concen: 1.888 ug/l

RT: 9.502 min Scan# 1260

Delta R.T. -0.006 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

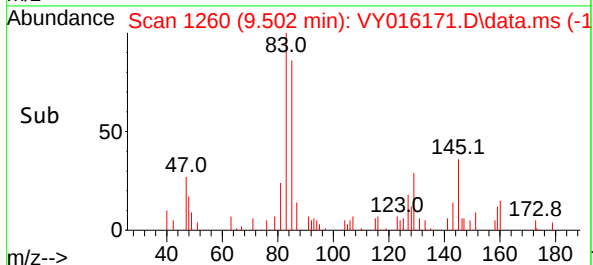
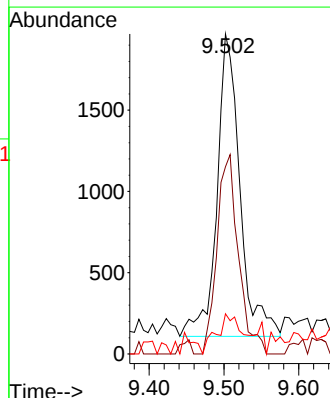
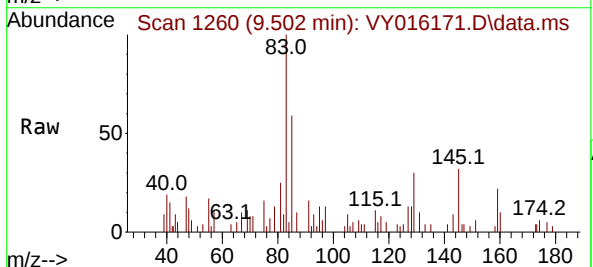
Tgt Ion: 83 Resp: 3976

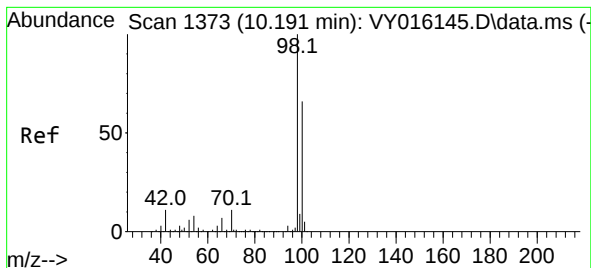
Ion Ratio Lower Upper

83 100

85 61.9 50.1 75.1

127 13.3 7.1 10.7#

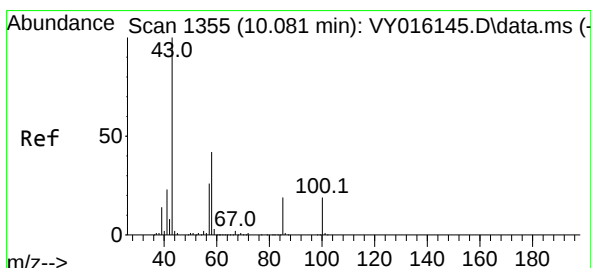
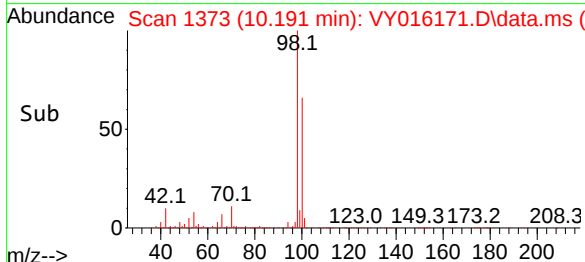
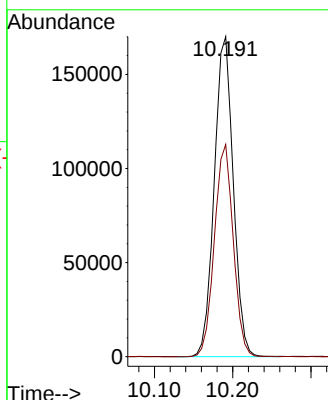
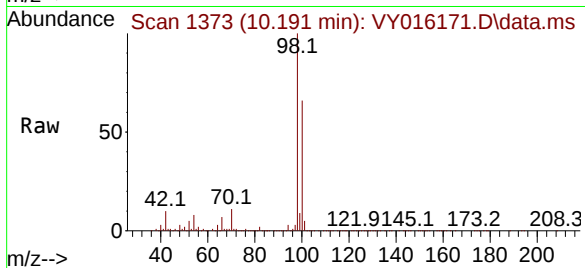




#50
Toluene-d8
Concen: 49.402 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

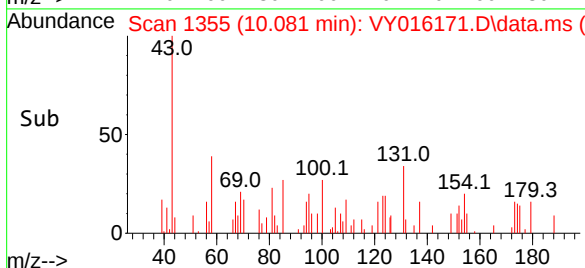
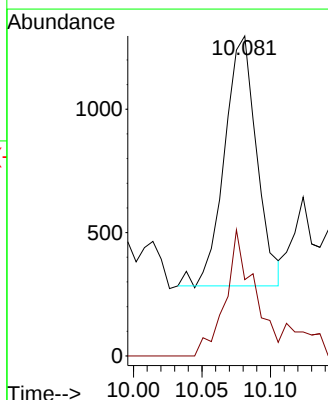
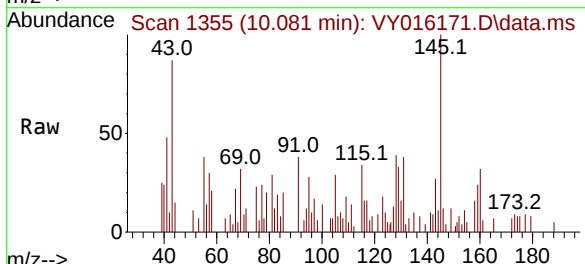
Instrument :
MSVOA_Y
ClientSampleId :
BLK

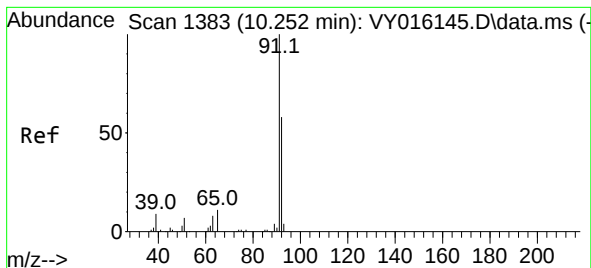
Tgt Ion: 98 Resp: 286961
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.787 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 45.0 29.0 43.6#





#52

Toluene

Concen: 9.924 ug/l

RT: 10.252 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

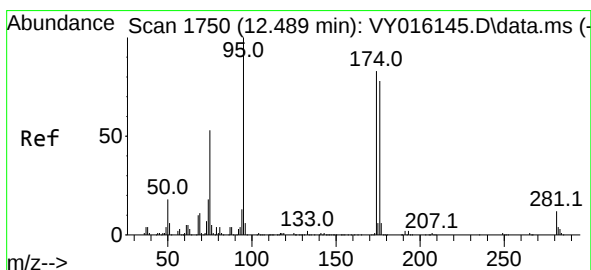
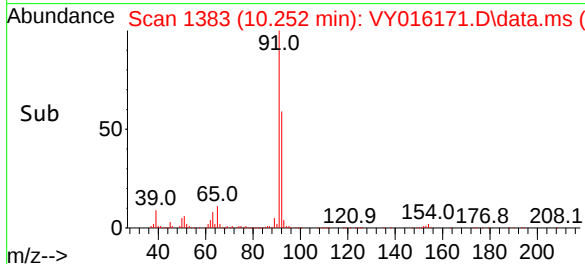
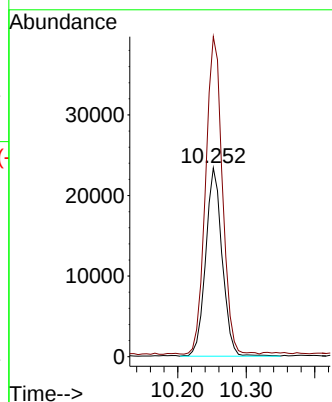
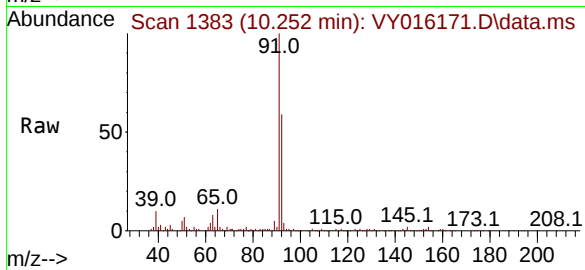
BLK

Tgt Ion: 92 Resp: 39056

Ion Ratio Lower Upper

92 100

91 171.7 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 52.181 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

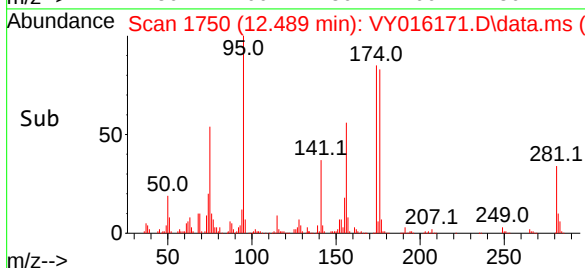
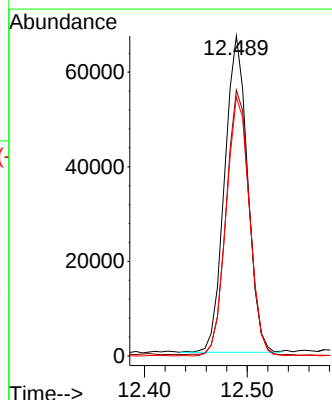
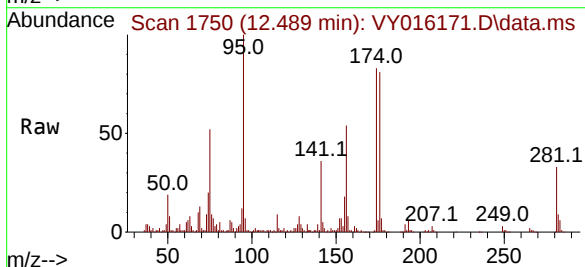
Tgt Ion: 95 Resp: 103646

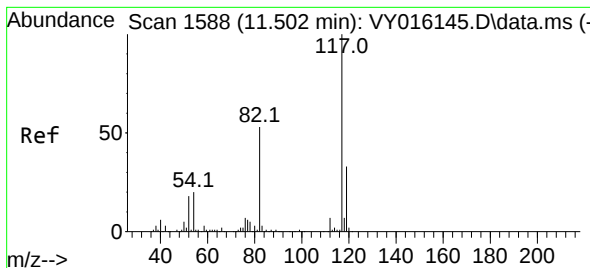
Ion Ratio Lower Upper

95 100

174 85.0 0.0 178.2

176 83.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

BLK

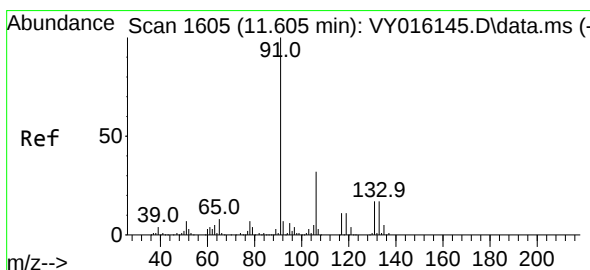
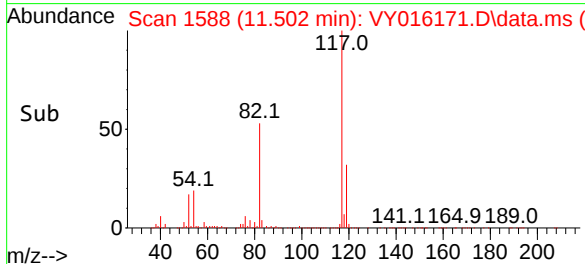
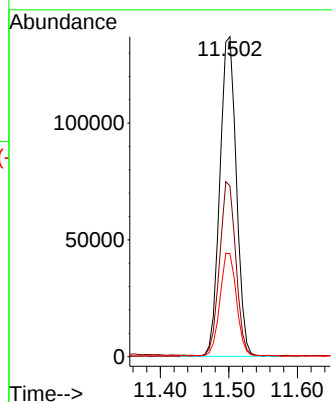
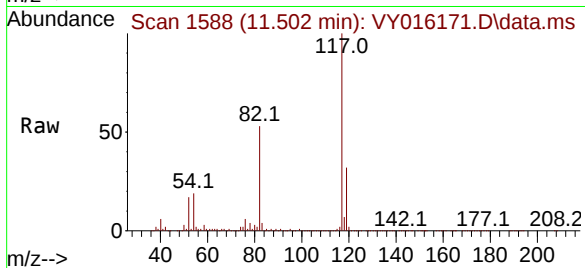
Tgt Ion:117 Resp: 228657

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 32.0 26.3 39.5



#67

Ethyl Benzene

Concen: 8.511 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.006 min

Lab File: VY016171.D

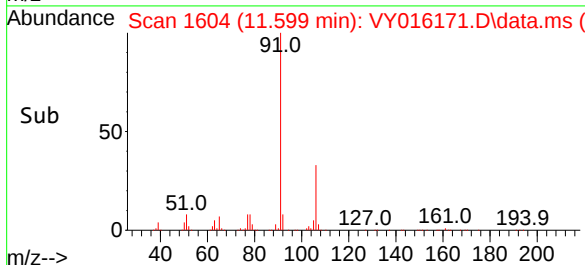
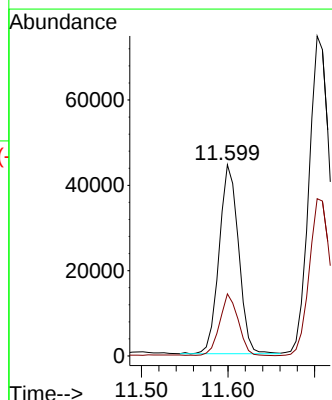
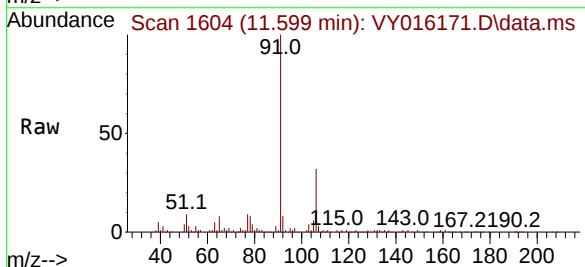
Acq: 01 Nov 2023 16:13

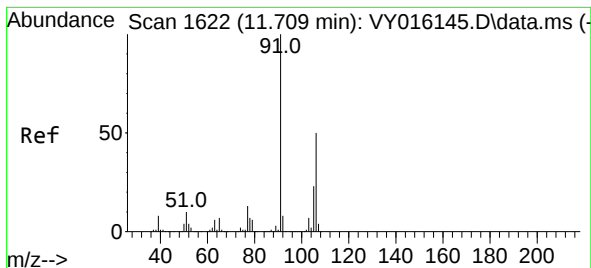
Tgt Ion: 91 Resp: 69159

Ion Ratio Lower Upper

91 100

106 32.6 24.6 36.8

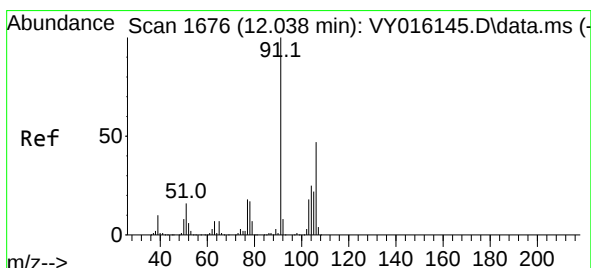
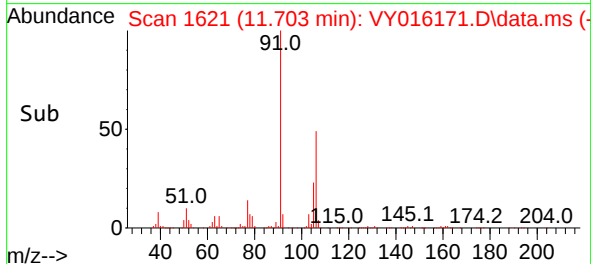
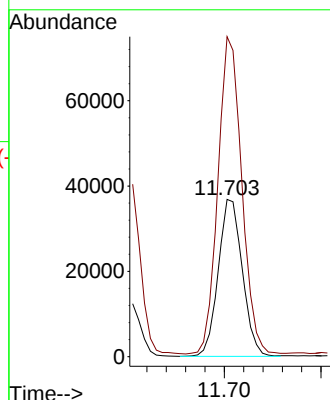
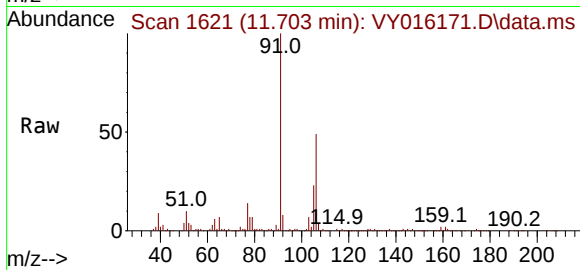




#68
m/p-Xylenes
Concen: 20.262 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

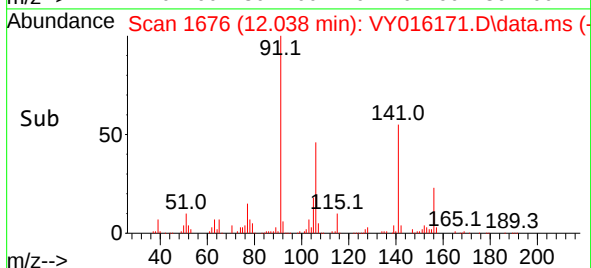
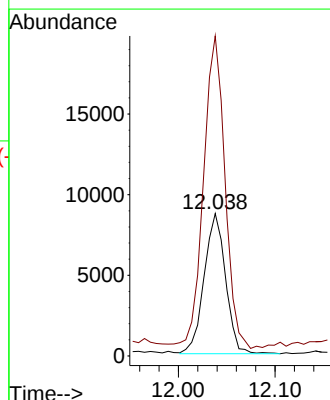
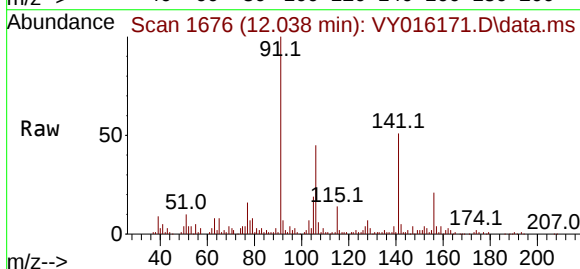
Instrument :
MSVOA_Y
ClientSampleId :
BLK

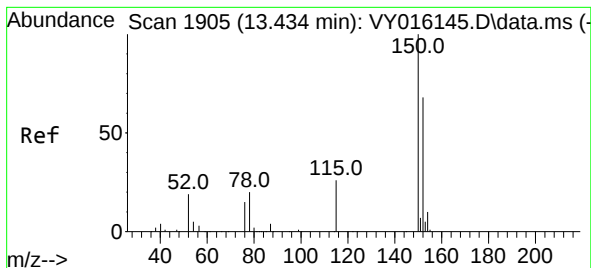
Tgt Ion:106 Resp: 63620
Ion Ratio Lower Upper
106 100
91 199.7 166.1 249.1



#69
o-Xylene
Concen: 4.476 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion:106 Resp: 13419
Ion Ratio Lower Upper
106 100
91 221.8 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

BLK

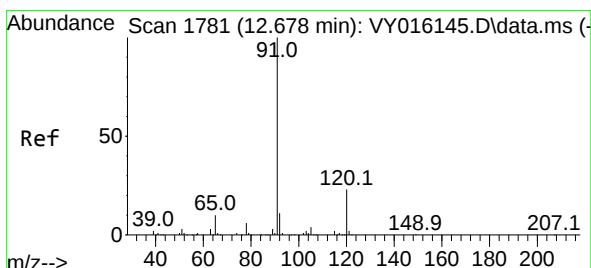
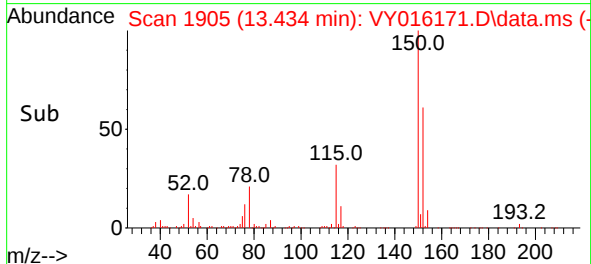
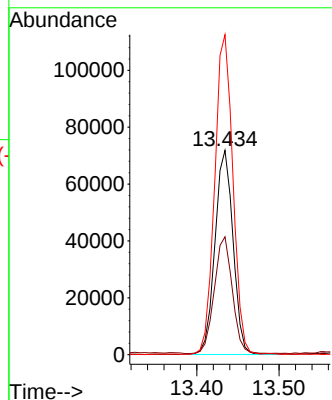
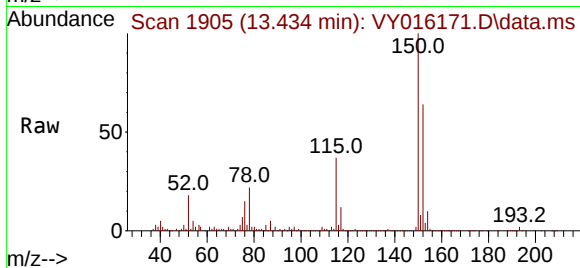
Tgt Ion:152 Resp: 109771

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 157.1 0.0 348.8



#78

n-propylbenzene

Concen: 1.291 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016171.D

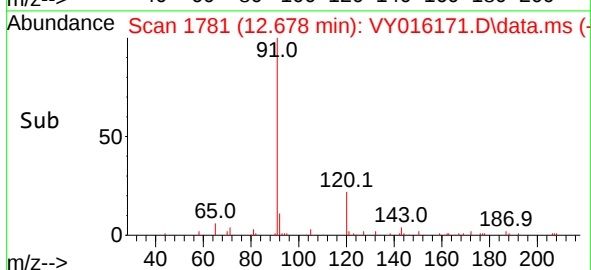
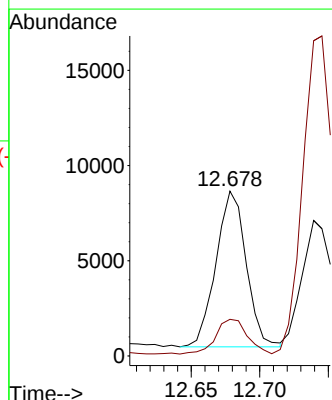
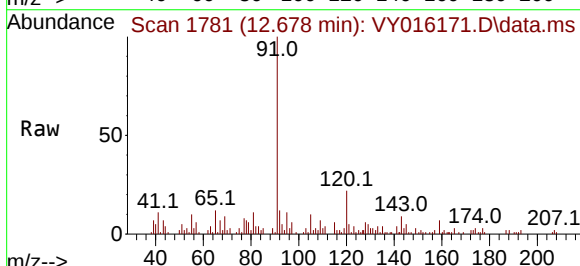
Acq: 01 Nov 2023 16:13

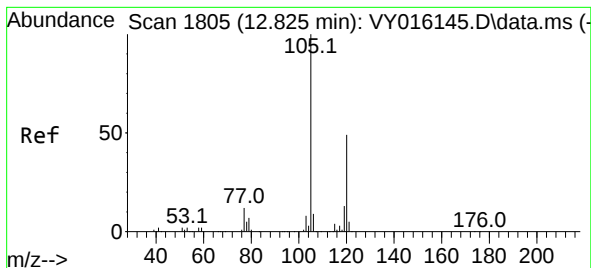
Tgt Ion: 91 Resp: 12564

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4

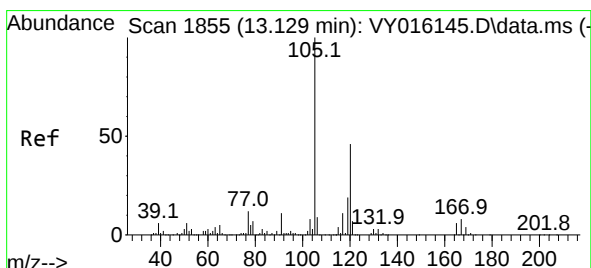
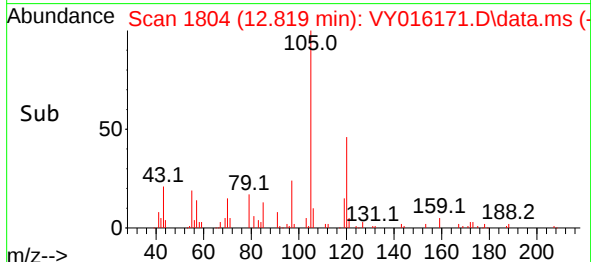
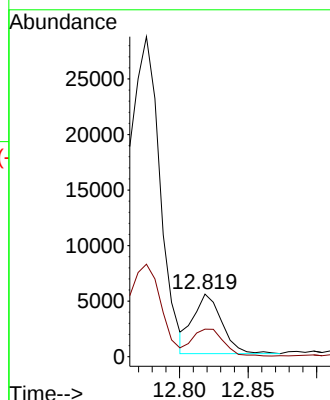
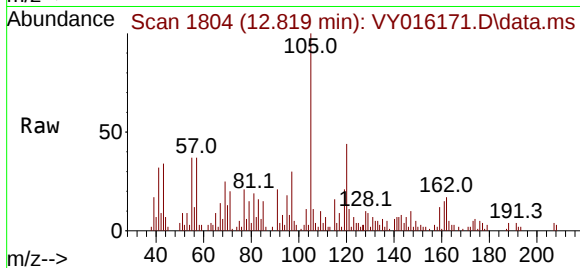




#80
1,3,5-Trimethylbenzene
Concen: 1.173 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

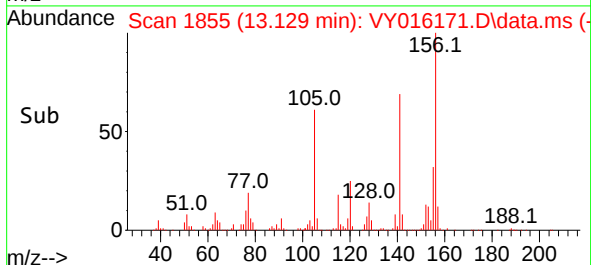
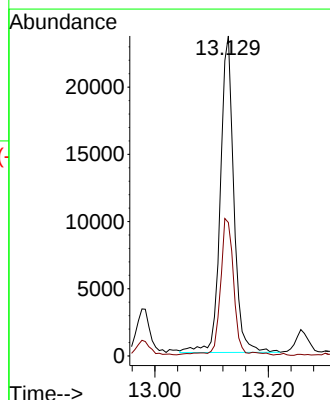
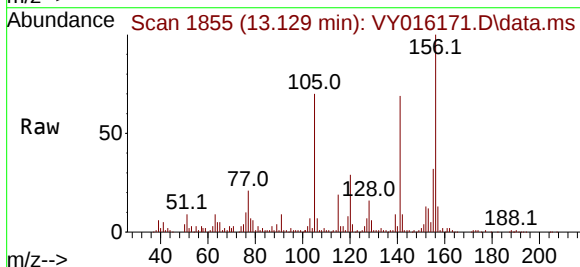
Instrument :
MSVOA_Y
ClientSampleId :
BLK

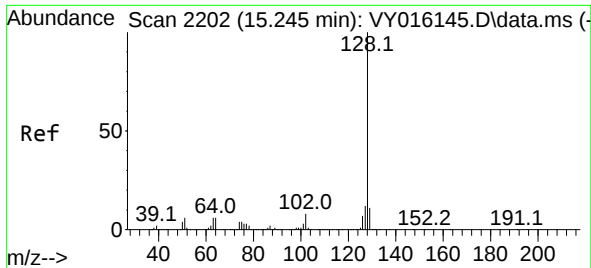
Tgt Ion:105 Resp: 7826
Ion Ratio Lower Upper
105 100
120 49.4 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 5.914 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion:105 Resp: 39037
Ion Ratio Lower Upper
105 100
120 41.4 22.2 66.6





#95

Naphthalene

Concen: 8.185 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY016171.D

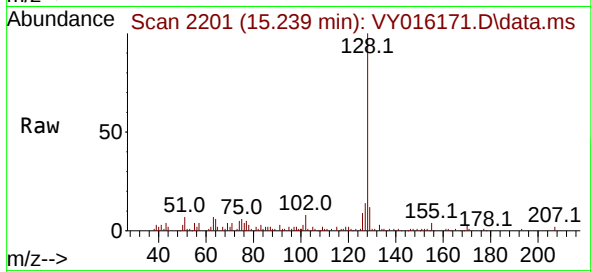
Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

BLK



Tgt Ion:128 Resp: 31269

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.3 8.6 13.0

