

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016175.D
 Acq On : 01 Nov 2023 17:47
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLK

Quant Time: Nov 02 02:30:23 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)

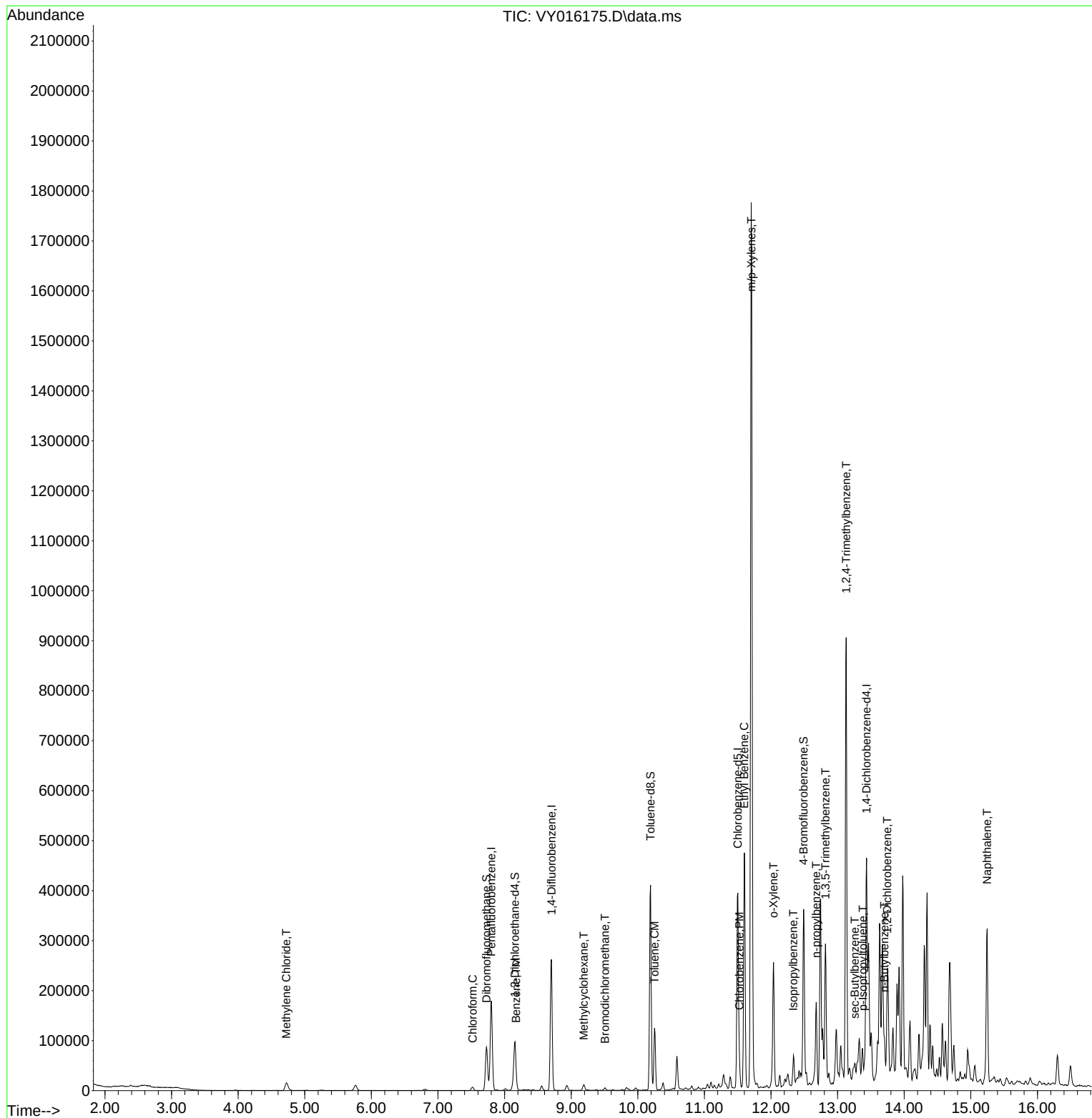
Internal Standards						
1) Pentafluorobenzene	7.801	168	141043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	235935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	223954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	110146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	72855	55.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.400%
35) Dibromofluoromethane	7.728	113	61884	43.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.000%
50) Toluene-d8	10.191	98	273697	49.078	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.489	95	100721	52.817	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.640%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.722	84	12759	6.878	ug/l #	85
30) Chloroform	7.520	83	6966	2.769	ug/l	94
39) Methylcyclohexane	9.191	83	3391	1.399	ug/l #	71
40) Benzene	8.173	78	10822	1.856	ug/l	98
47) Bromodichloromethane	9.508	83	3493	1.728	ug/l #	91
52) Toluene	10.252	92	53252	14.094	ug/l	94
65) Chlorobenzene	11.526	112	27825	6.254	ug/l	99
67) Ethyl Benzene	11.599	91	327062	41.097	ug/l	98
68) m/p-Xylenes	11.703	106	522015	169.748	ug/l	95
69) o-Xylene	12.038	106	67366	22.943	ug/l	96
73) Isopropylbenzene	12.337	105	33974	4.112	ug/l	97
78) n-propylbenzene	12.678	91	125040	12.801	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	112245	16.768	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	488755	73.790	ug/l	97
85) sec-Butylbenzene	13.257	105	15868	1.805	ug/l #	61
86) p-Isopropyltoluene	13.379	119	14873	2.041	ug/l	99
89) n-Butylbenzene	13.702	91	42487	6.347	ug/l #	75
91) 1,2-Dichlorobenzene	13.745	146	67966	21.260	ug/l	97
95) Naphthalene	15.245	128	262206	68.403	ug/l	99

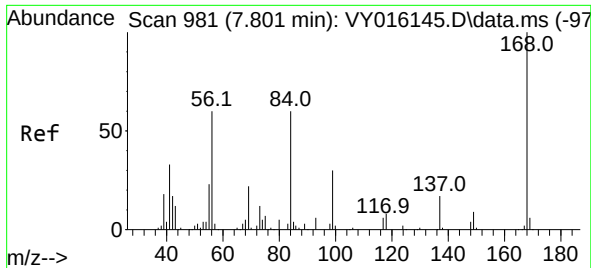
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
Data File : VY016175.D
Acq On : 01 Nov 2023 17:47
Operator : SY/MD
Sample : BLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Quant Time: Nov 02 02:30:23 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

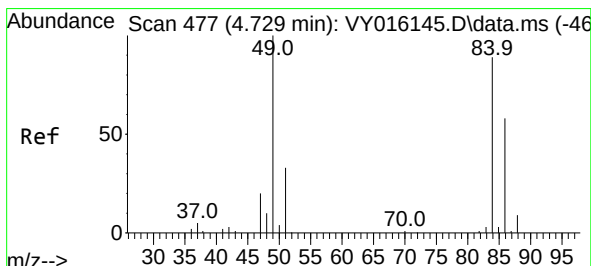
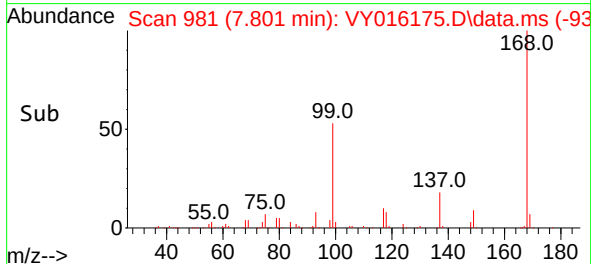
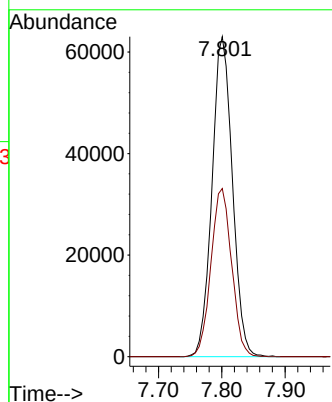
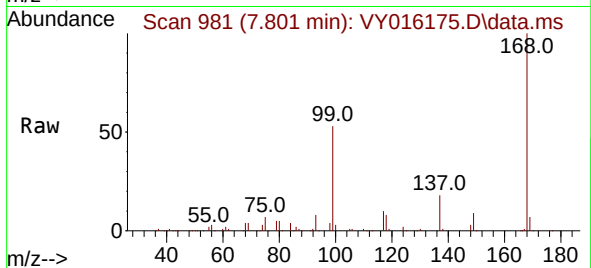




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

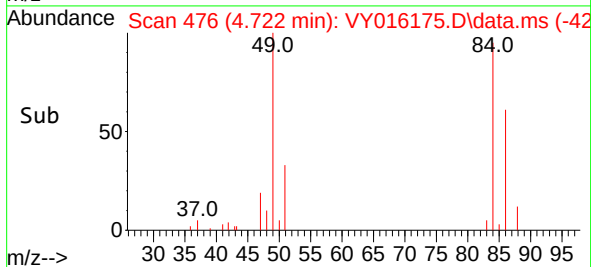
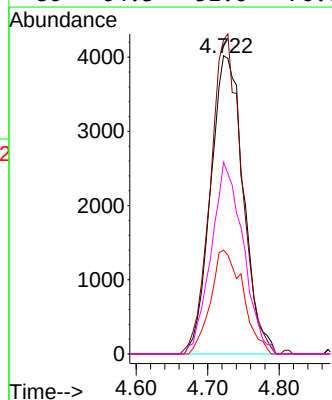
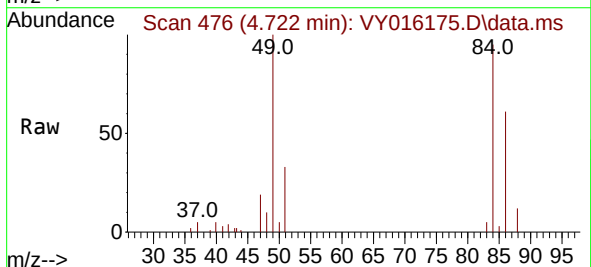
Instrument :
MSVOA_Y
ClientSampleId :
BLK

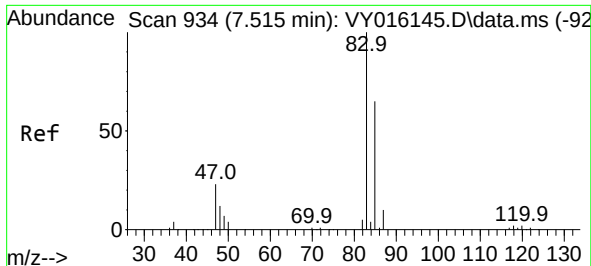
Tgt Ion:168 Resp: 141043
Ion Ratio Lower Upper
168 100
99 52.6 43.4 65.0



#20
Methylene Chloride
Concen: 6.878 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 84 Resp: 12759
Ion Ratio Lower Upper
84 100
49 105.4 106.9 160.3#
51 34.8 33.2 49.8
86 64.3 51.0 76.6

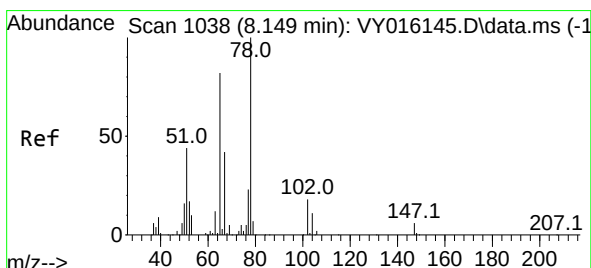
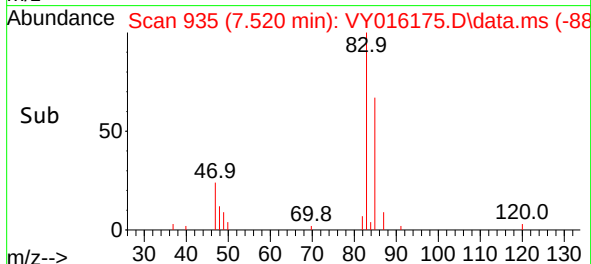
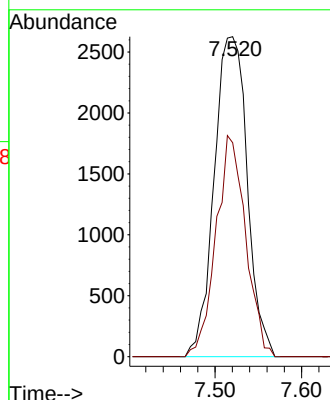
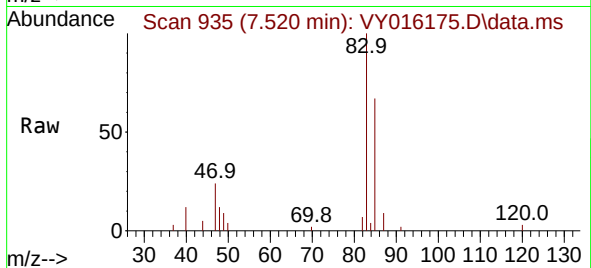




#30
Chloroform
Concen: 2.769 ug/l
RT: 7.520 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

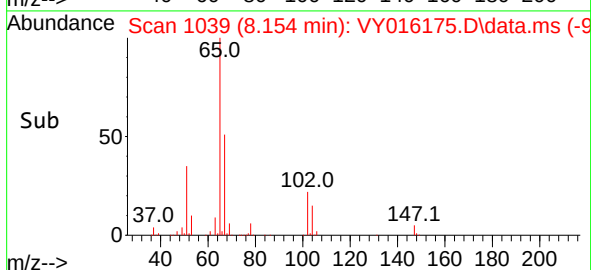
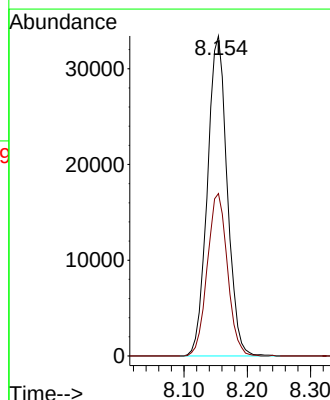
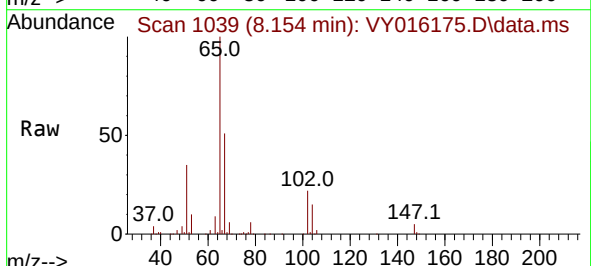
Instrument :
MSVOA_Y
ClientSampleId :
BLK

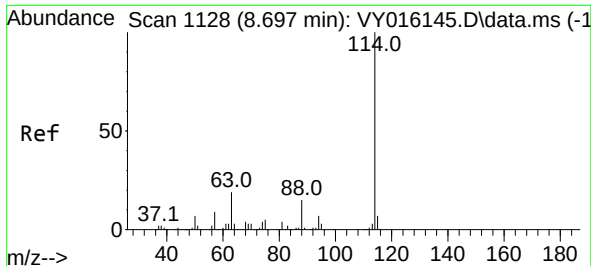
Tgt Ion: 83 Resp: 6966
Ion Ratio Lower Upper
83 100
85 66.9 49.7 74.5



#33
1,2-Dichloroethane-d4
Concen: 55.202 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 65 Resp: 72855
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

BLK

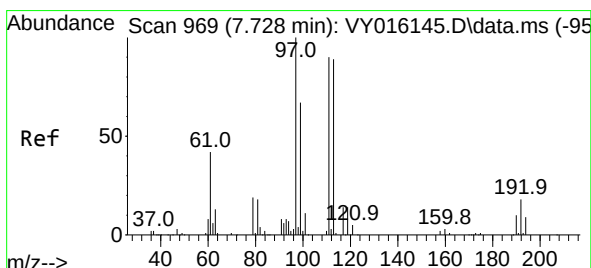
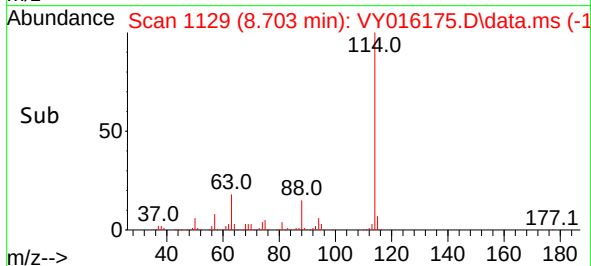
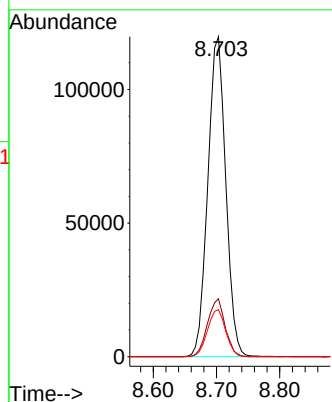
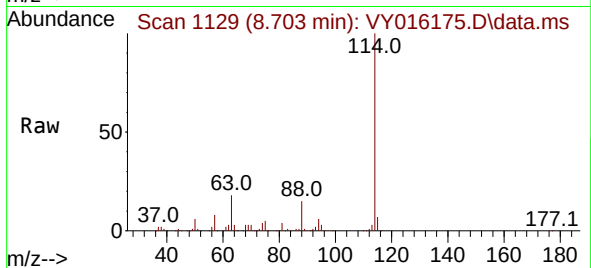
Tgt Ion:114 Resp: 235935

Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 43.996 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

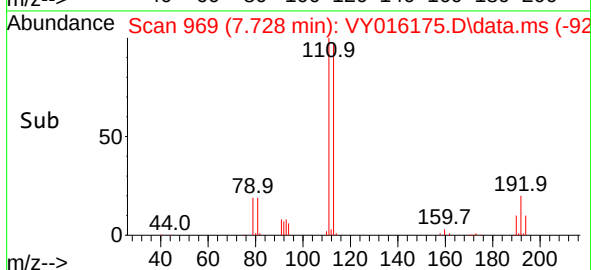
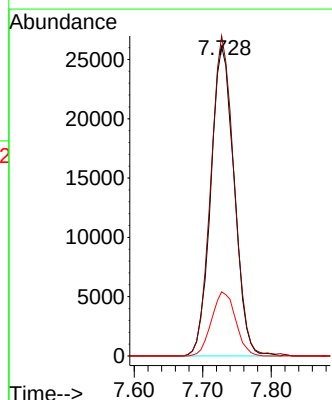
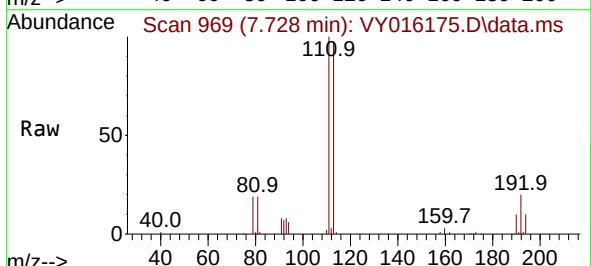
Tgt Ion:113 Resp: 61884

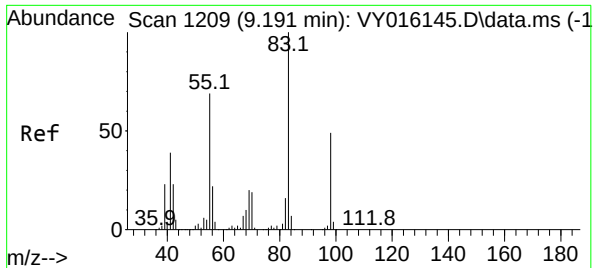
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 21.2 16.9 25.3

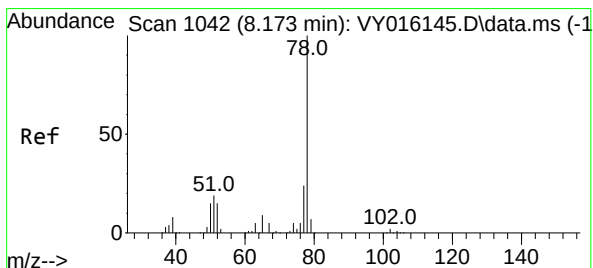
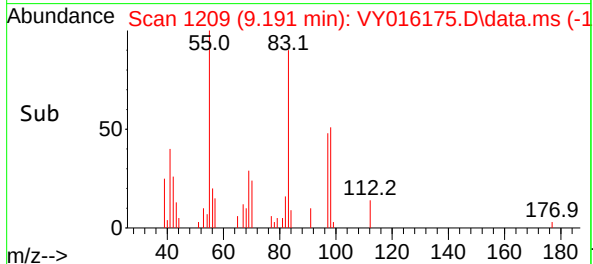
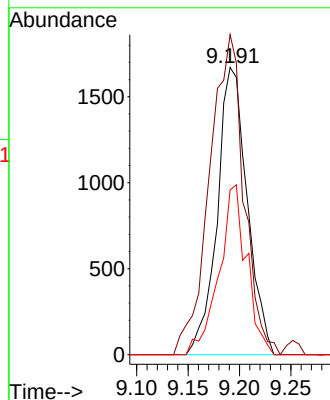
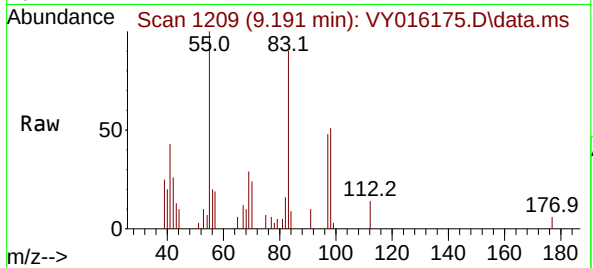




#39
Methylcyclohexane
Concen: 1.399 ug/l
RT: 9.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

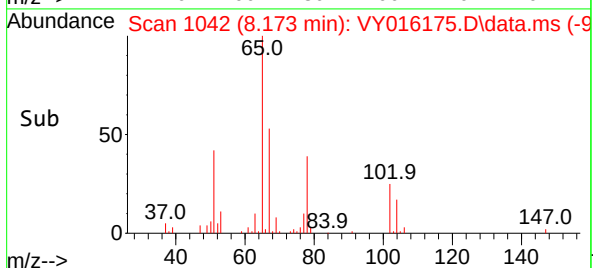
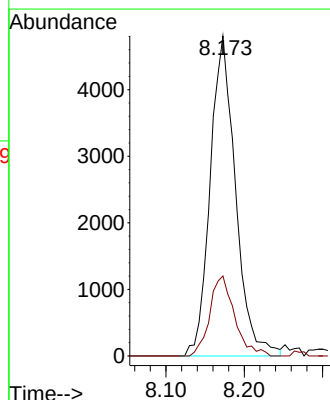
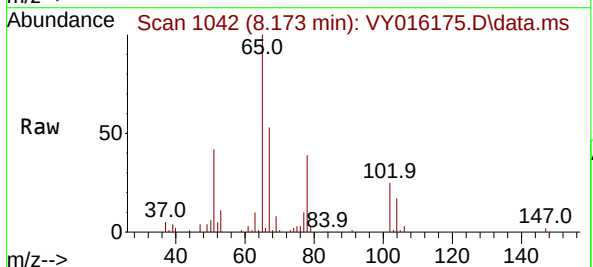
Instrument :
MSVOA_Y
ClientSampleId :
BLK

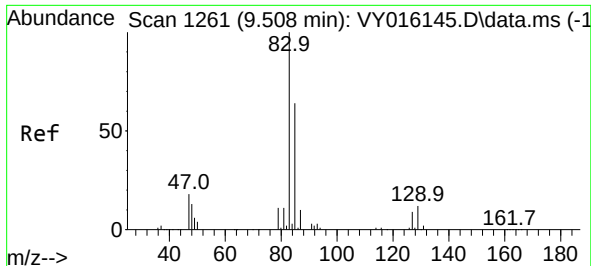
Tgt Ion: 83 Resp: 3391
Ion Ratio Lower Upper
83 100
55 111.4 63.0 94.4#
98 57.4 37.4 56.2#



#40
Benzene
Concen: 1.856 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 78 Resp: 10822
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6

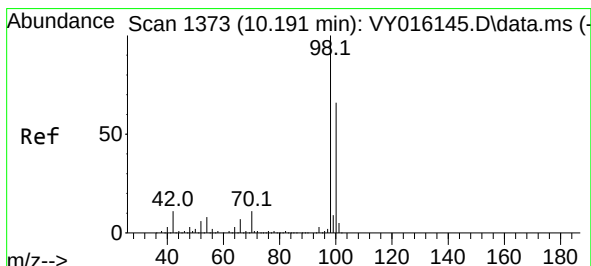
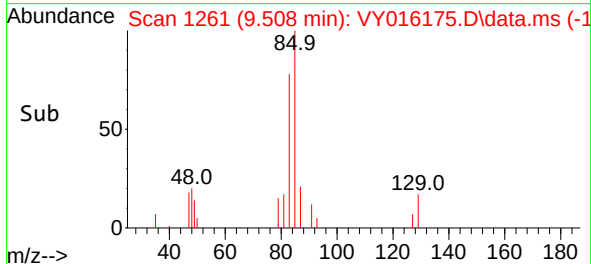
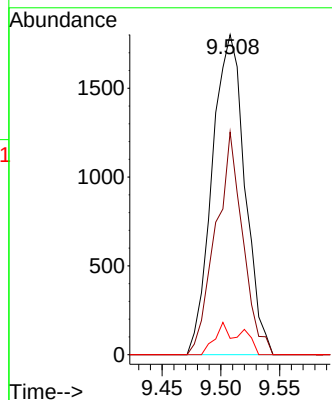
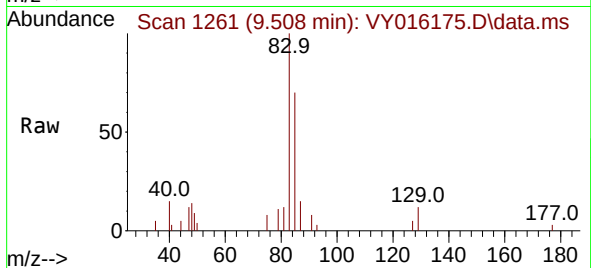




#47
Bromodichloromethane
Concen: 1.728 ug/l
RT: 9.508 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

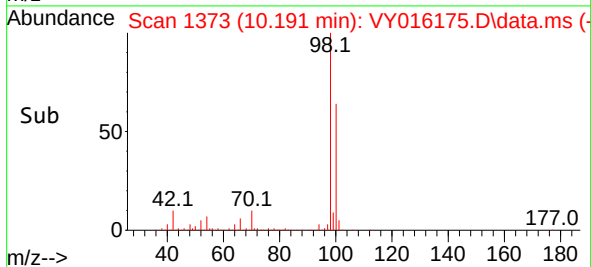
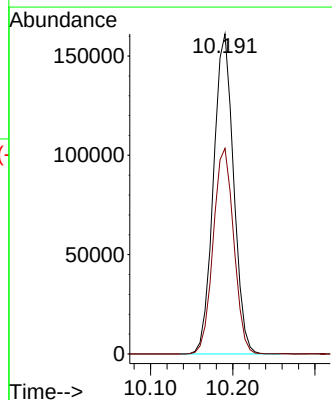
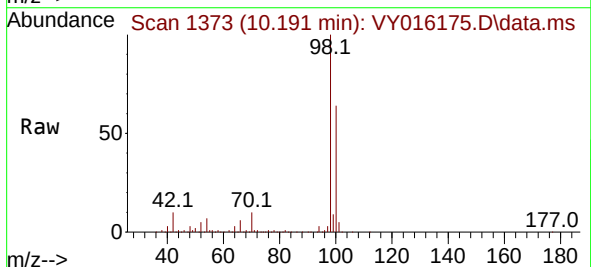
Instrument :
MSVOA_Y
ClientSampleId :
BLK

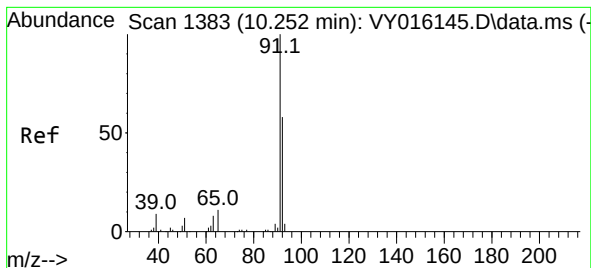
Tgt Ion: 83 Resp: 3493
Ion Ratio Lower Upper
83 100
85 69.5 50.1 75.1
127 5.1 7.1 10.7#



#50
Toluene-d8
Concen: 49.078 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016175.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 98 Resp: 273697
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





#52

Toluene

Concen: 14.094 ug/l

RT: 10.252 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

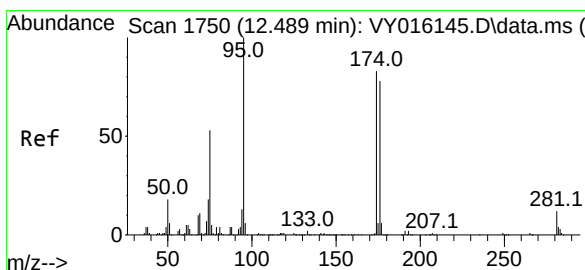
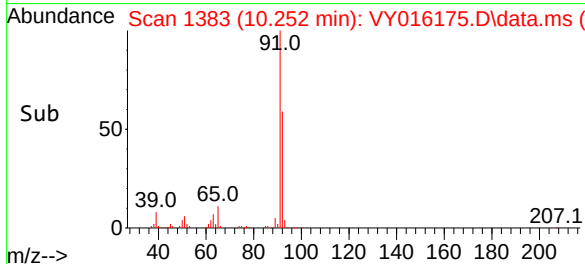
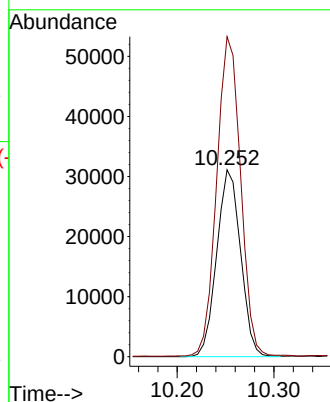
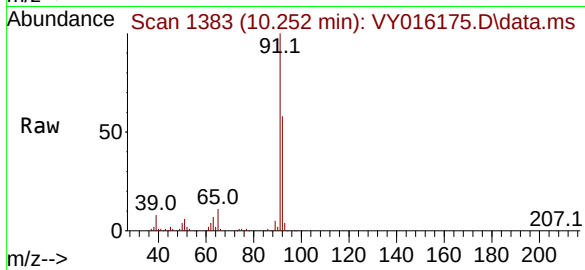
BLK

Tgt Ion: 92 Resp: 53252

Ion Ratio Lower Upper

92 100

91 171.4 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 52.817 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

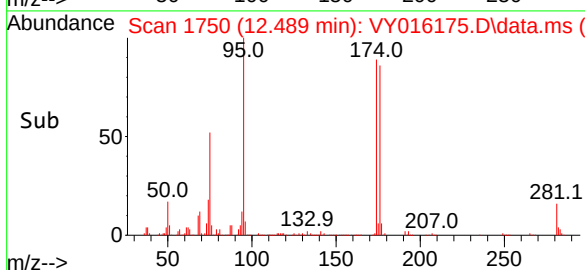
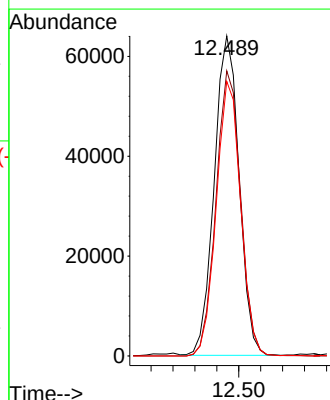
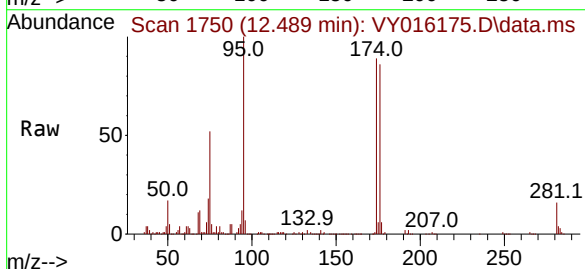
Tgt Ion: 95 Resp: 100721

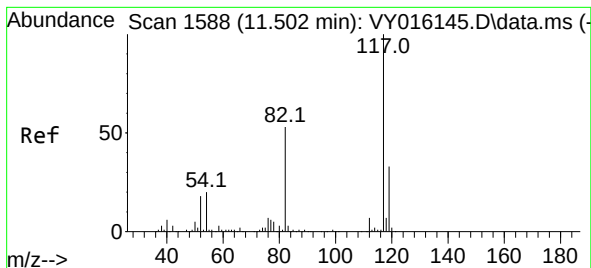
Ion Ratio Lower Upper

95 100

174 88.3 0.0 178.2

176 84.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

BLK

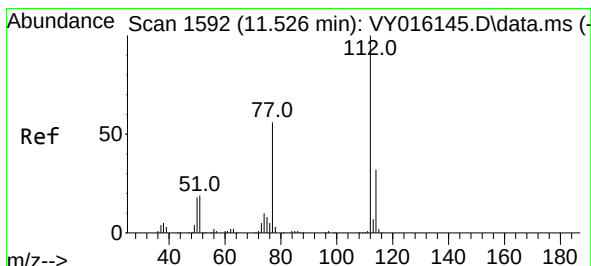
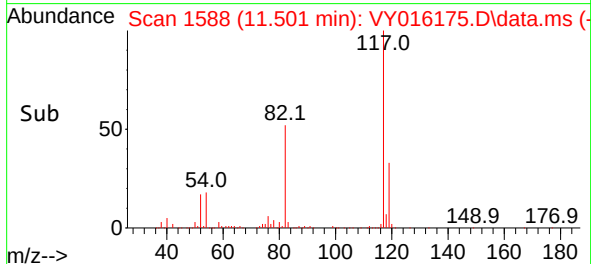
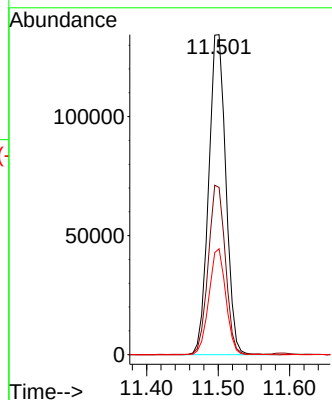
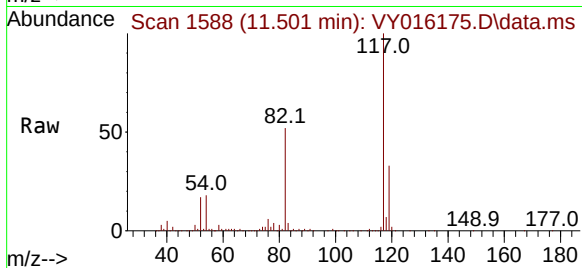
Tgt Ion:117 Resp: 223954

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.0

119 33.1 26.3 39.5



#65

Chlorobenzene

Concen: 6.254 ug/l

RT: 11.526 min Scan# 1592

Delta R.T. -0.000 min

Lab File: VY016175.D

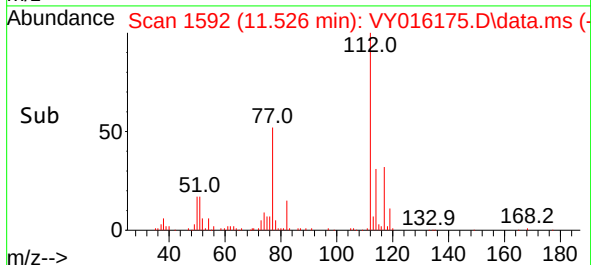
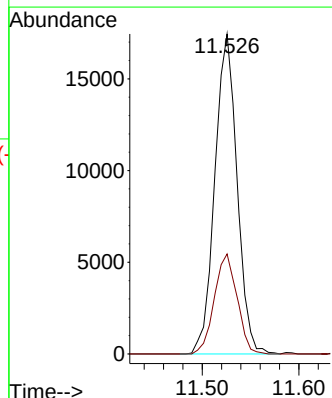
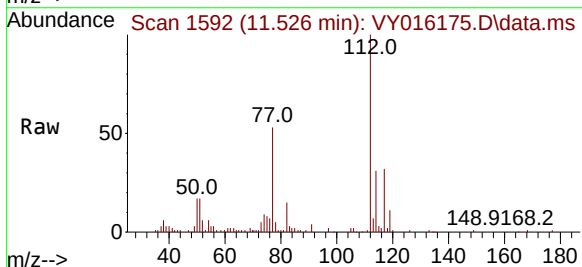
Acq: 01 Nov 2023 17:47

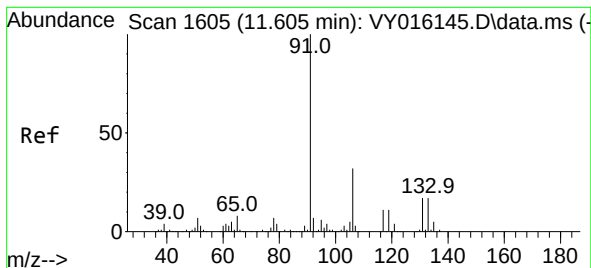
Tgt Ion:112 Resp: 27825

Ion Ratio Lower Upper

112 100

114 31.2 25.5 38.3





#67

Ethyl Benzene

Concen: 41.097 ug/l

RT: 11.599 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

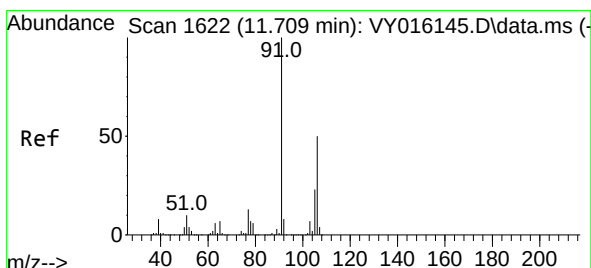
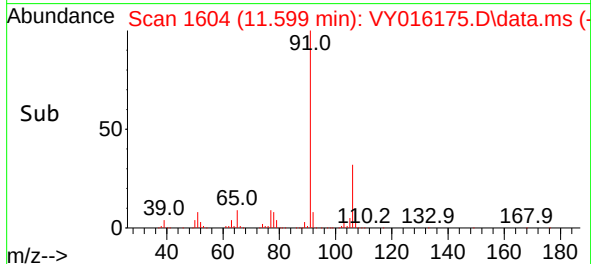
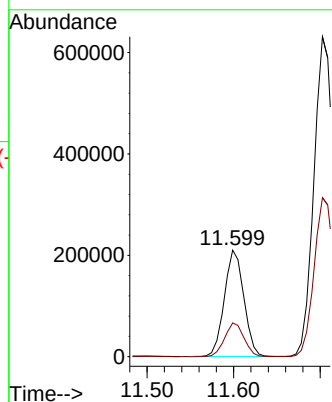
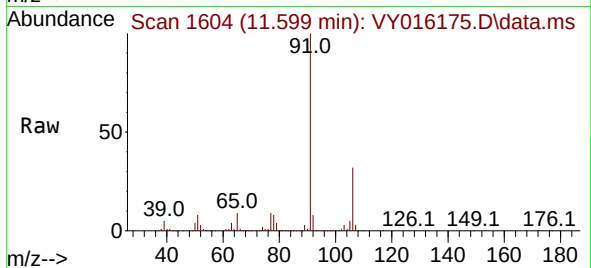
BLK

Tgt Ion: 91 Resp: 327062

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 169.748 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY016175.D

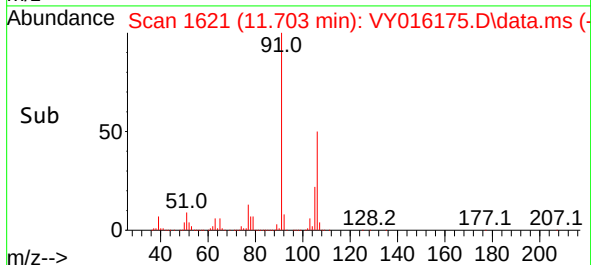
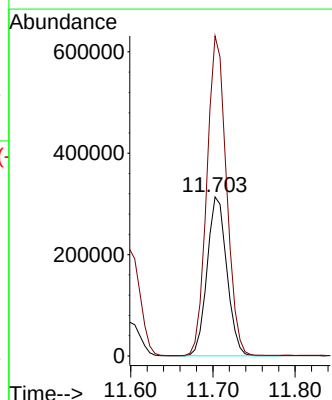
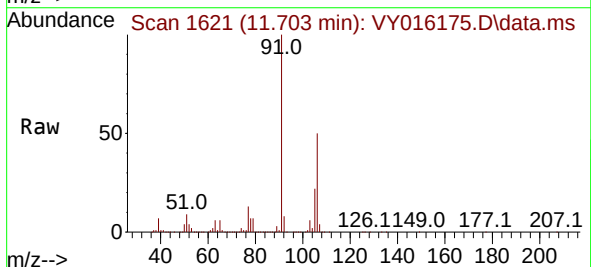
Acq: 01 Nov 2023 17:47

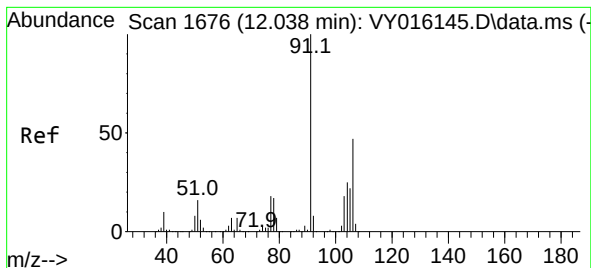
Tgt Ion:106 Resp: 522015

Ion Ratio Lower Upper

106 100

91 199.7 166.1 249.1





#69

o-Xylene

Concen: 22.943 ug/l

RT: 12.038 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

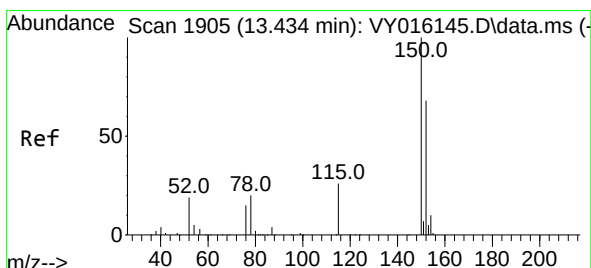
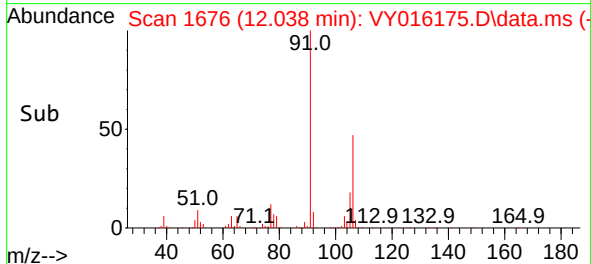
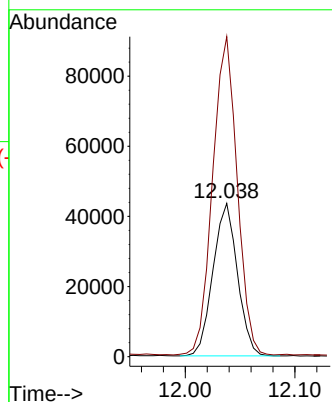
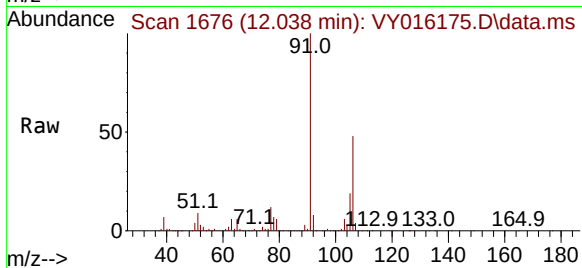
BLK

Tgt Ion:106 Resp: 67366

Ion Ratio Lower Upper

106 100

91 209.1 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

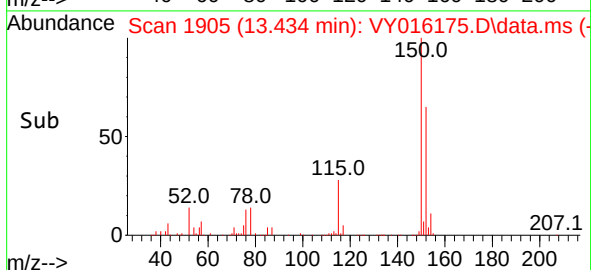
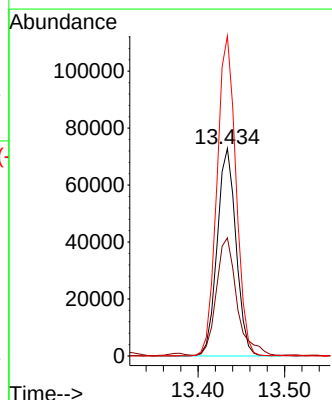
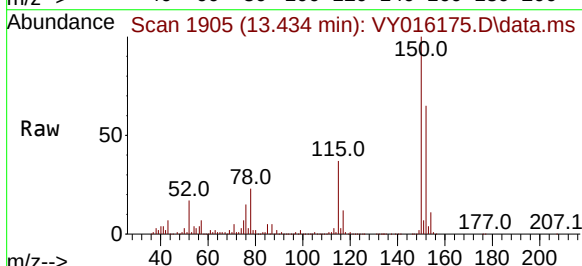
Tgt Ion:152 Resp: 110146

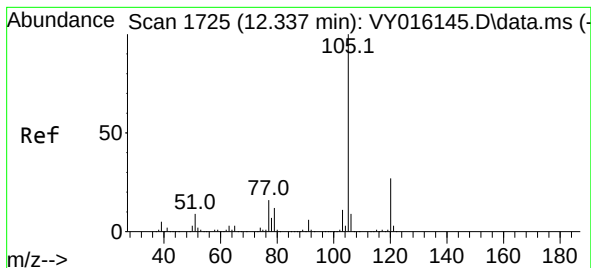
Ion Ratio Lower Upper

152 100

115 61.8 28.8 86.5

150 155.6 0.0 348.8





#73

Isopropylbenzene

Concen: 4.112 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.000 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

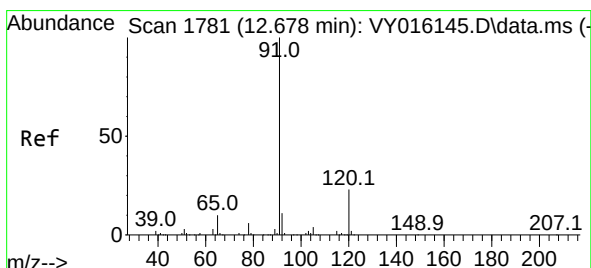
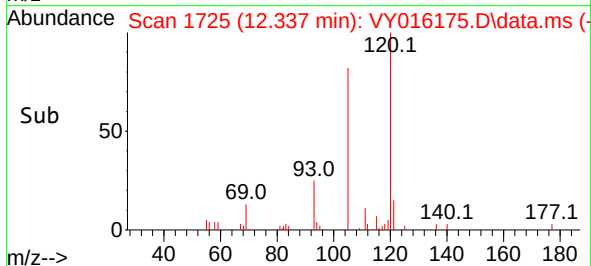
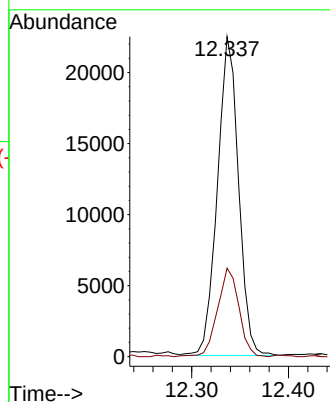
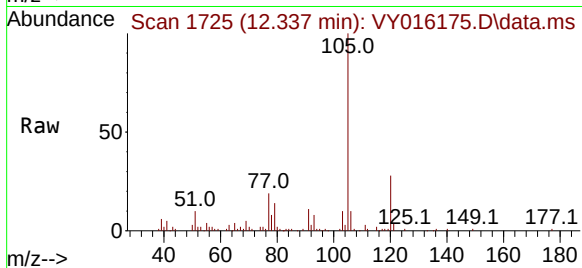
BLK

Tgt Ion:105 Resp: 33974

Ion Ratio Lower Upper

105 100

120 28.1 13.3 39.9



#78

n-propylbenzene

Concen: 12.801 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016175.D

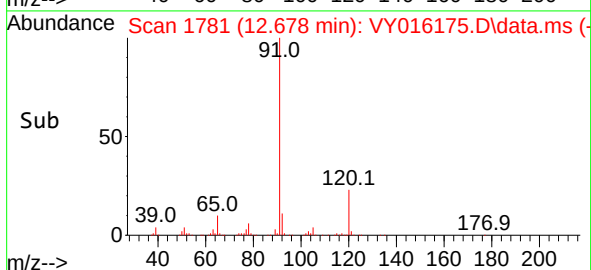
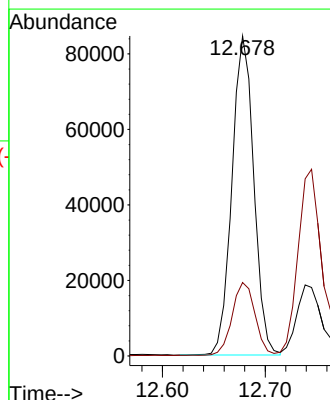
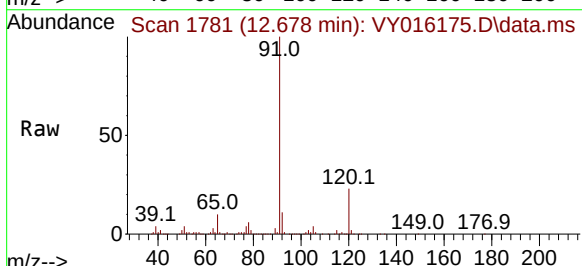
Acq: 01 Nov 2023 17:47

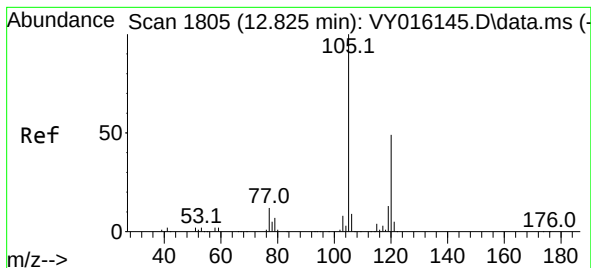
Tgt Ion: 91 Resp: 125040

Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 16.768 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

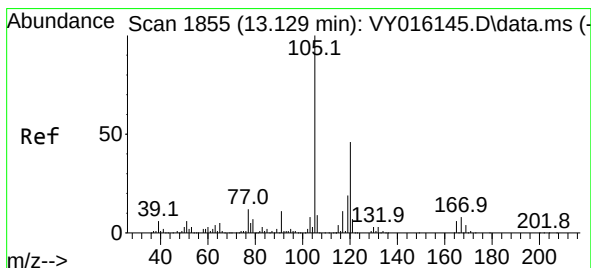
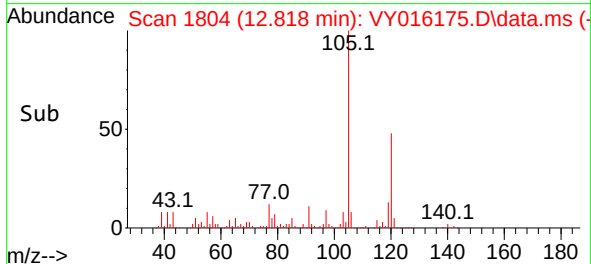
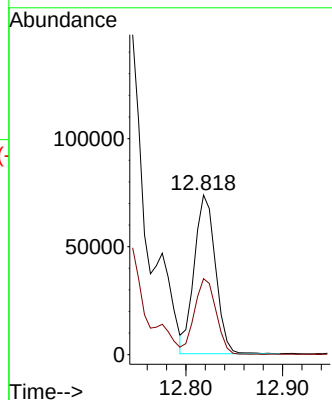
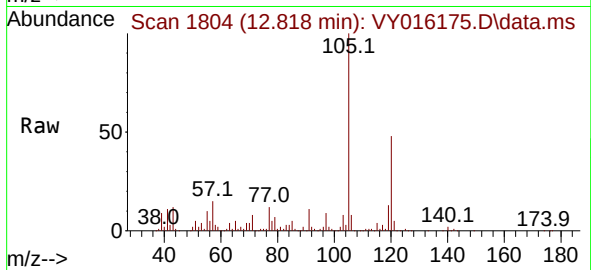
BLK

Tgt Ion:105 Resp: 112245

Ion Ratio Lower Upper

105 100

120 48.8 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 73.790 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016175.D

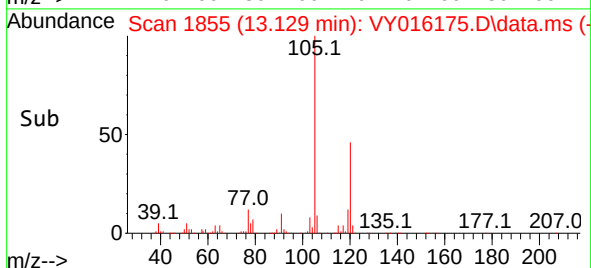
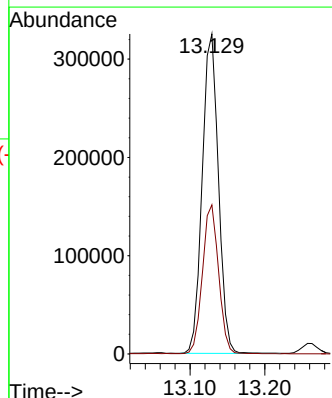
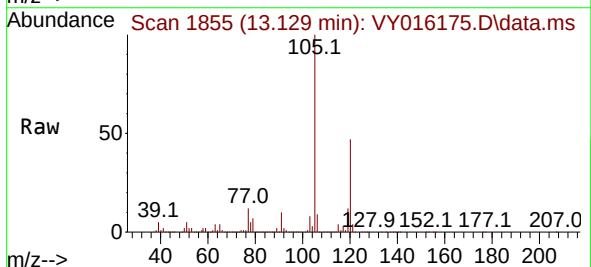
Acq: 01 Nov 2023 17:47

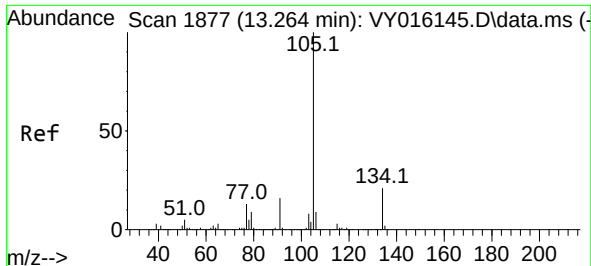
Tgt Ion:105 Resp: 488755

Ion Ratio Lower Upper

105 100

120 46.5 22.2 66.6

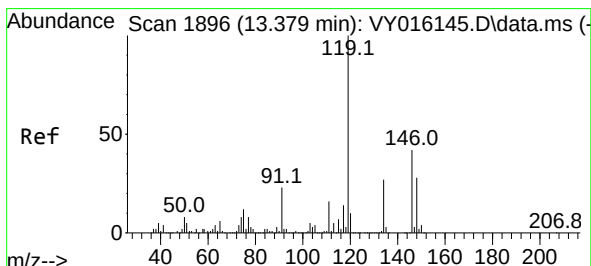
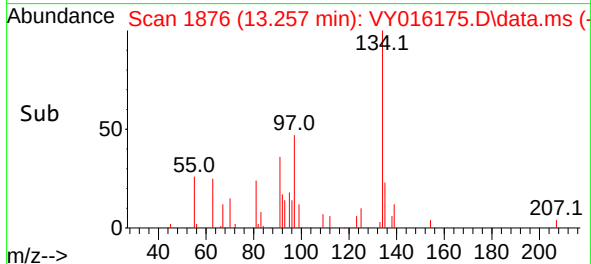
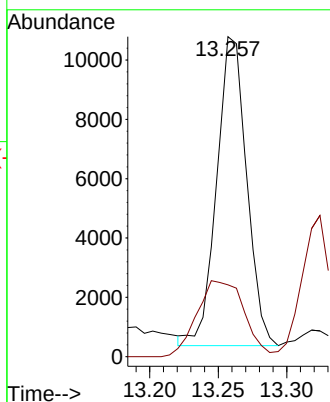
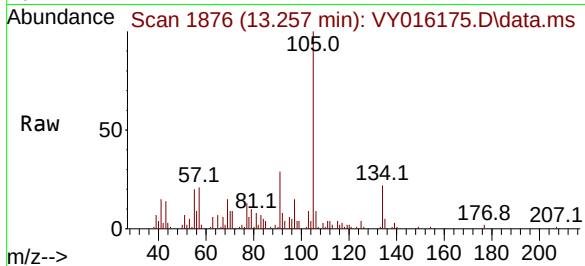




#85
 sec-Butylbenzene
 Concen: 1.805 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VY016175.D
 Acq: 01 Nov 2023 17:47

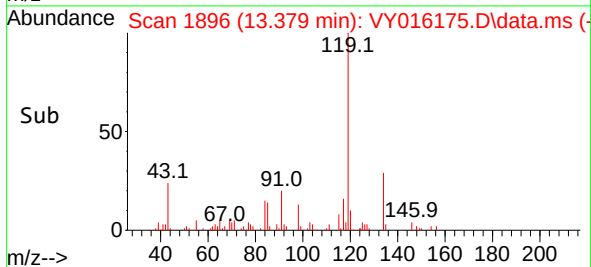
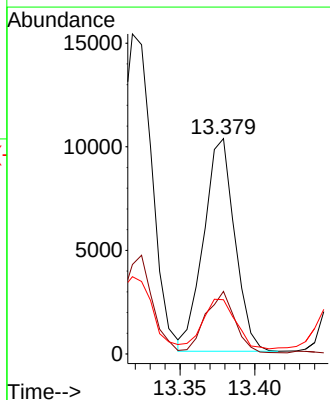
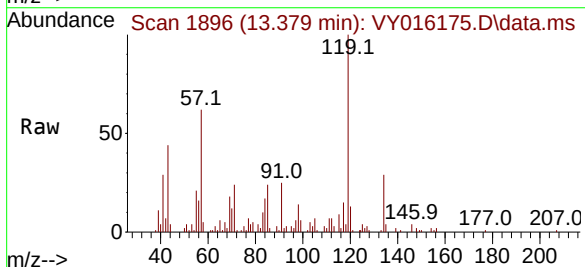
Instrument :
 MSVOA_Y
 ClientSampleId :
 BLK

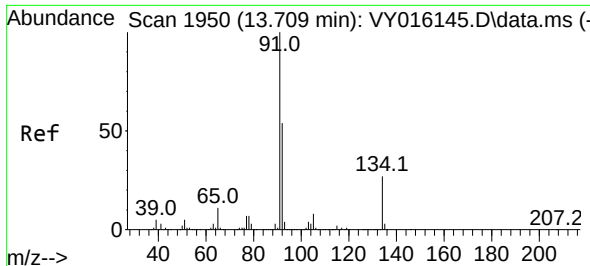
Tgt Ion:105 Resp: 15868
 Ion Ratio Lower Upper
 105 100
 134 38.5 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 2.041 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. -0.000 min
 Lab File: VY016175.D
 Acq: 01 Nov 2023 17:47

Tgt Ion:119 Resp: 14873
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.3 39.8
 91 24.4 12.4 37.4





#89

n-Butylbenzene

Concen: 6.347 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. -0.006 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

BLK

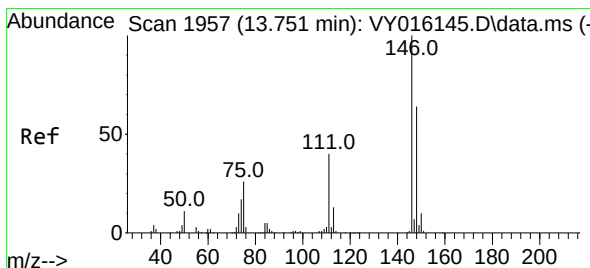
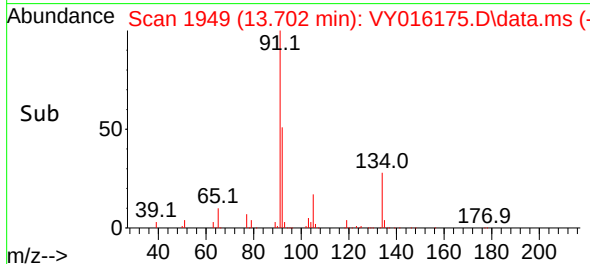
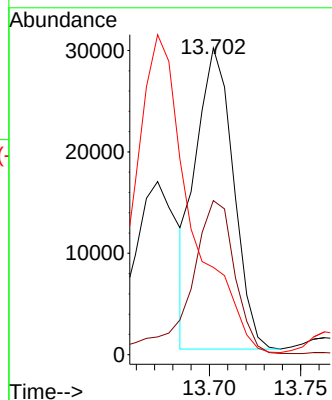
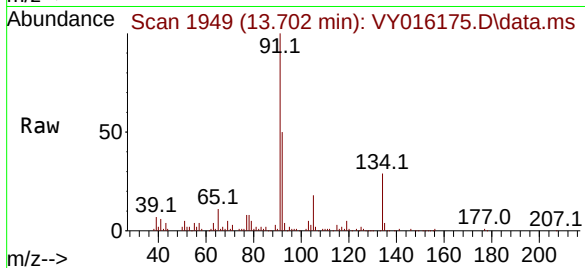
Tgt Ion: 91 Resp: 42487

Ion Ratio Lower Upper

91 100

92 59.5 25.4 76.0

134 0.0 12.6 37.6#



#91

1,2-Dichlorobenzene

Concen: 21.260 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VY016175.D

Acq: 01 Nov 2023 17:47

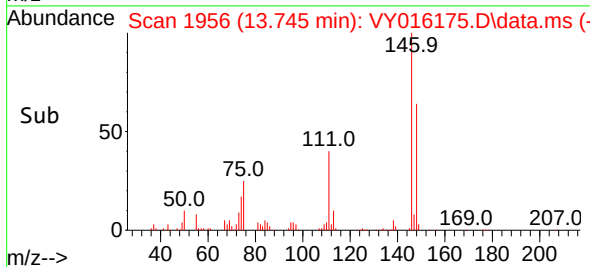
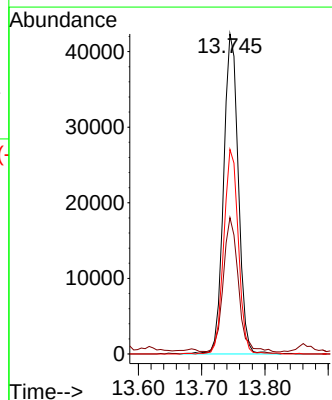
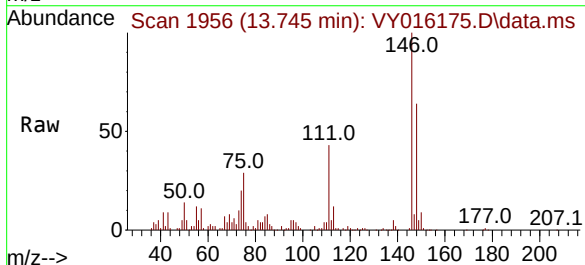
Tgt Ion:146 Resp: 67966

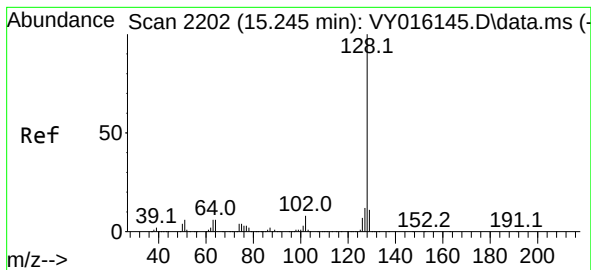
Ion Ratio Lower Upper

146 100

111 42.8 19.7 59.0

148 63.5 32.0 96.2





#95

Naphthalene

Concen: 68.403 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016175.D

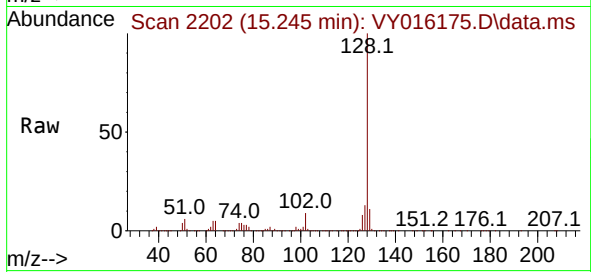
Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_Y

ClientSampleId :

BLK



Tgt Ion:128 Resp: 262206

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.9 8.6 13.0

