

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016173.D
 Acq On : 01 Nov 2023 17:00
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLK

Quant Time: Nov 02 02:29:06 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)

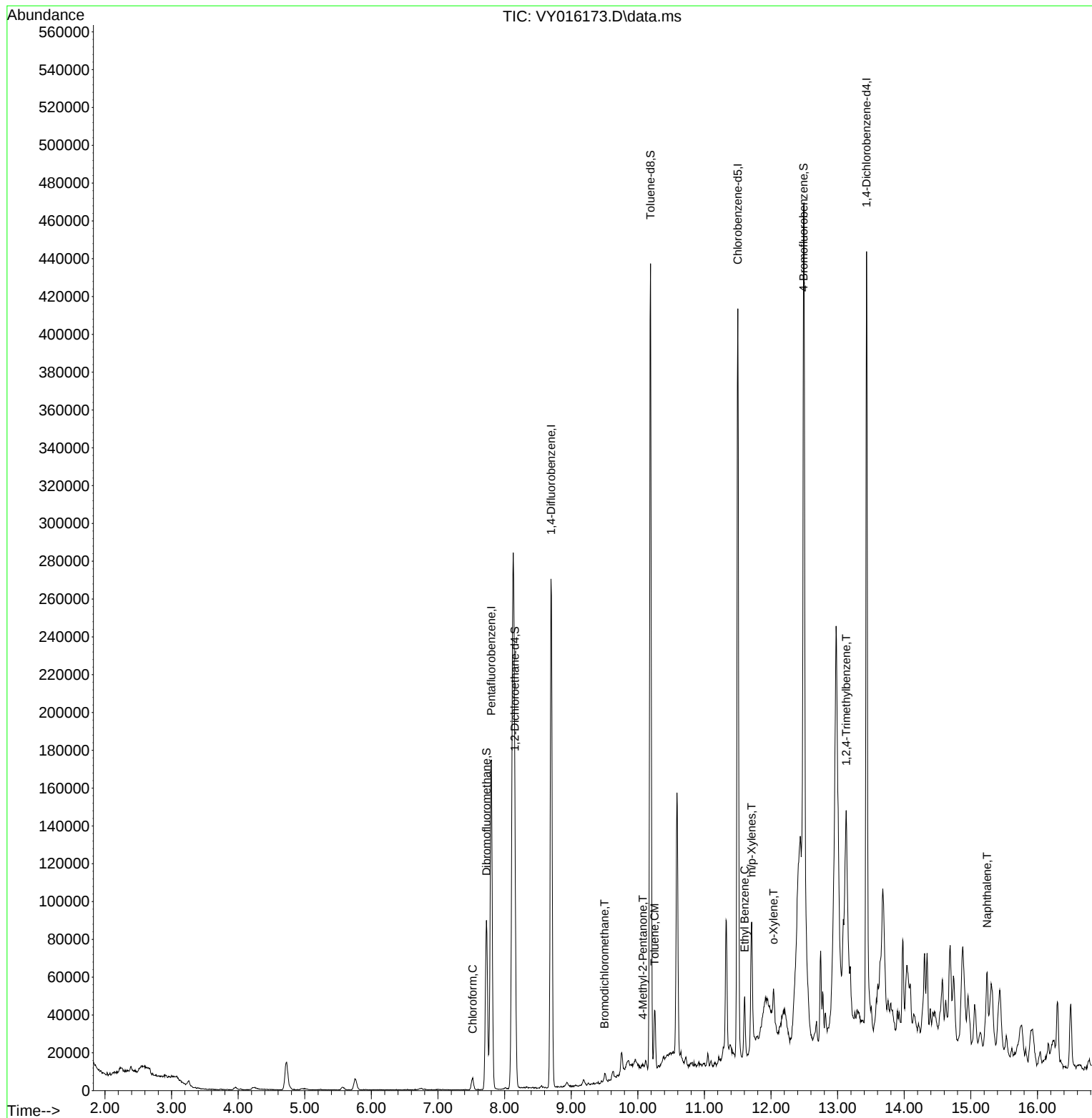
Internal Standards						
1) Pentafluorobenzene	7.801	168	138553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	232756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	219870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	75980	58.605	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.200%
35) Dibromofluoromethane	7.728	113	64464	46.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.920%
50) Toluene-d8	10.191	98	279405	50.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.580%
62) 4-Bromofluorobenzene	12.489	95	100915	53.642	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.280%
Target Compounds						
						Qvalue
30) Chloroform	7.521	83	6059	2.452	ug/l	92
47) Bromodichloromethane	9.502	83	3453	1.731	ug/l #	83
51) 4-Methyl-2-Pentanone	10.075	43	1164	1.321	ug/l #	69
52) Toluene	10.252	92	13817	3.707	ug/l	93
67) Ethyl Benzene	11.605	91	22359	2.862	ug/l	100
68) m/p-Xylenes	11.709	106	19718	6.531	ug/l	98
69) o-Xylene	12.038	106	4595	1.594	ug/l	94
84) 1,2,4-Trimethylbenzene	13.129	105	21599	3.389	ug/l	90
95) Naphthalene	15.245	128	25238	6.842	ug/l	97

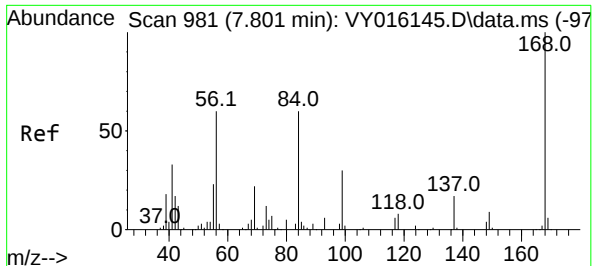
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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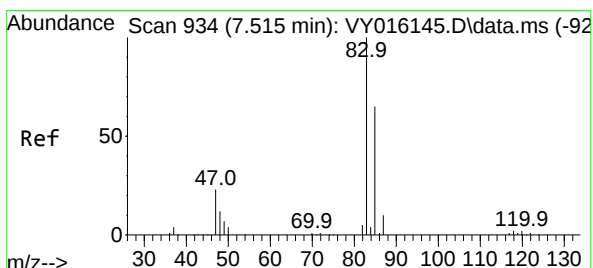
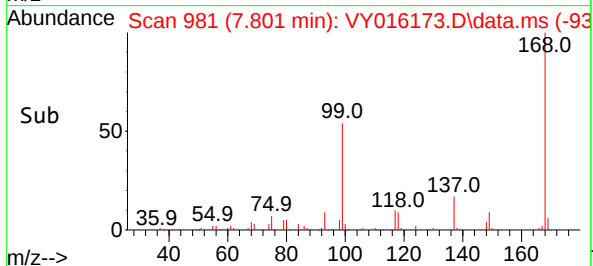
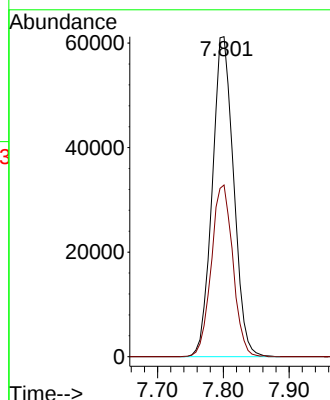
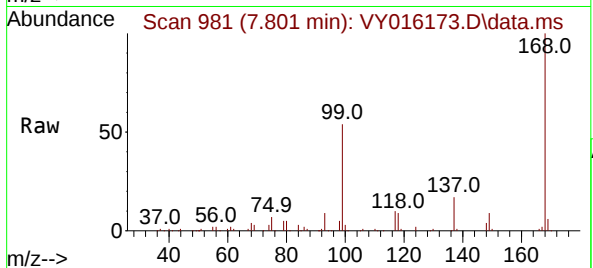




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

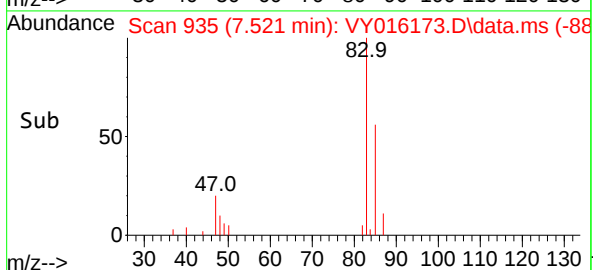
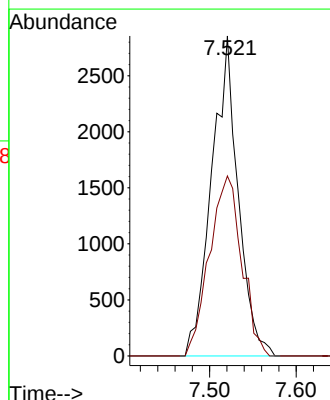
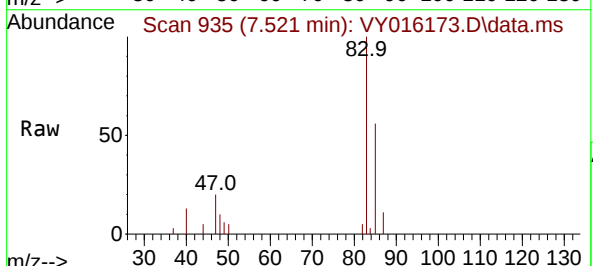
Instrument :
MSVOA_Y
ClientSampleId :
BLK

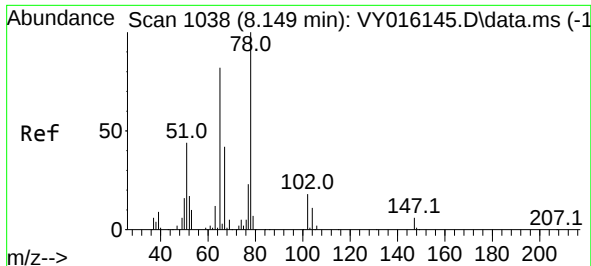
Tgt Ion:168 Resp: 138553
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#30
Chloroform
Concen: 2.452 ug/l
RT: 7.521 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 83 Resp: 6059
Ion Ratio Lower Upper
83 100
85 56.3 49.7 74.5





#33

1,2-Dichloroethane-d4

Concen: 58.605 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

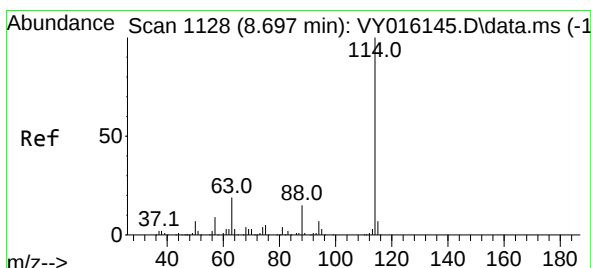
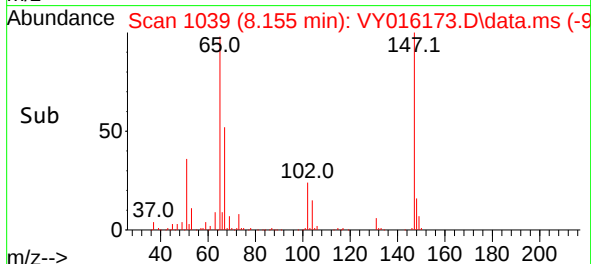
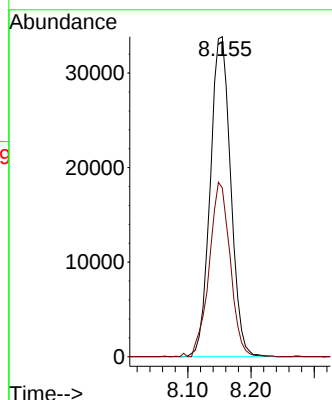
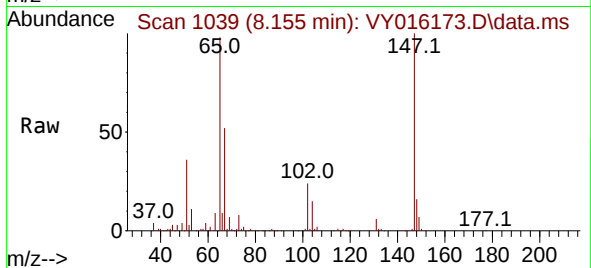
BLK

Tgt Ion: 65 Resp: 75980

Ion Ratio Lower Upper

65 100

67 56.0 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: VY016173.D

Acq: 01 Nov 2023 17:00

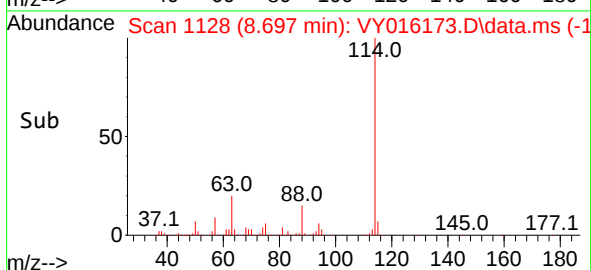
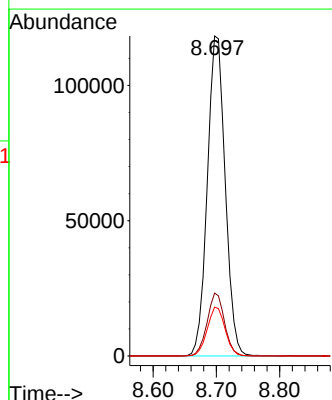
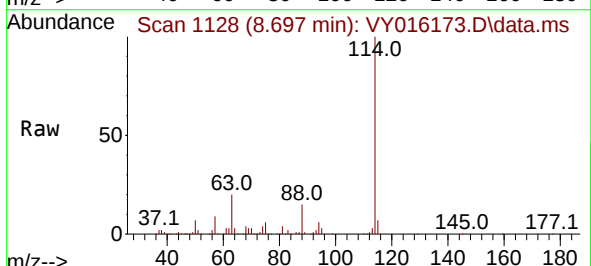
Tgt Ion: 114 Resp: 232756

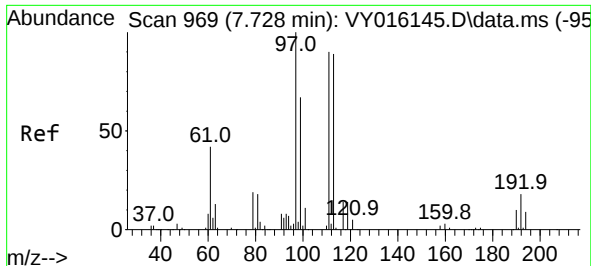
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.2 0.0 30.6

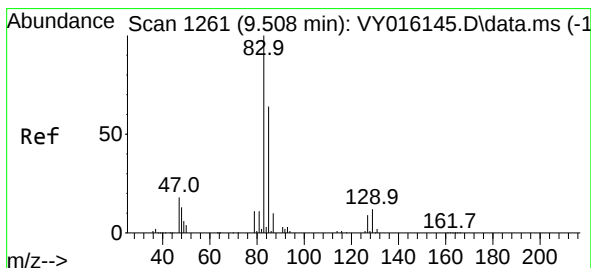
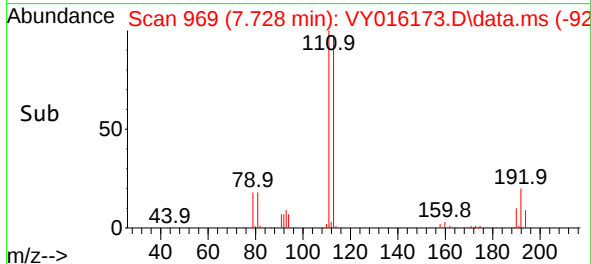
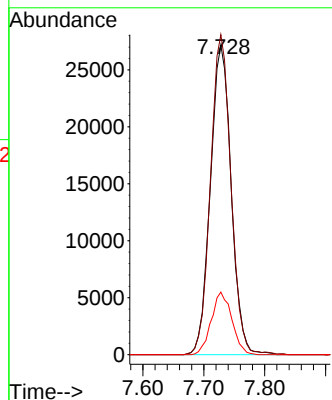
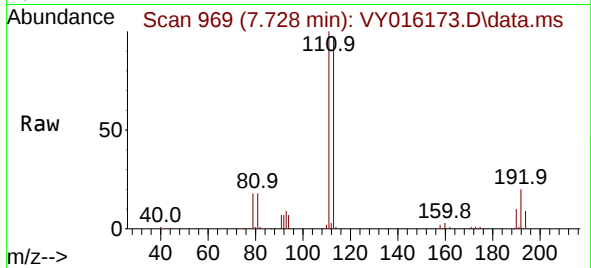




#35
Dibromofluoromethane
Concen: 46.456 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

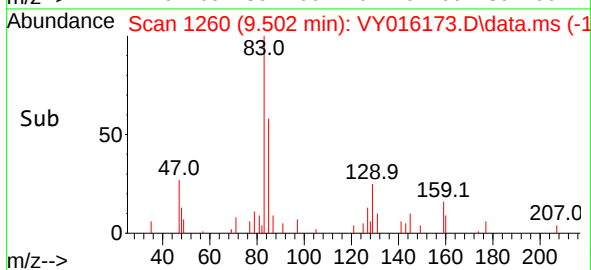
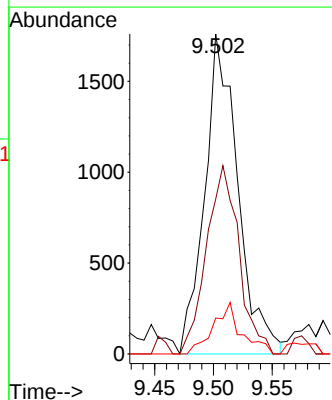
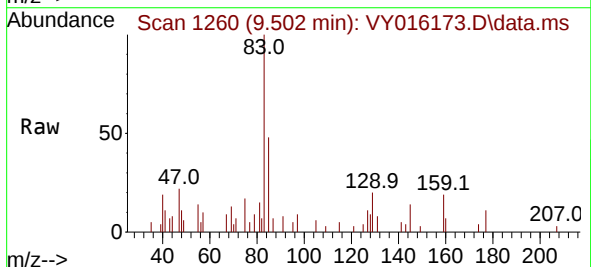
Instrument :
MSVOA_Y
ClientSampleId :
BLK

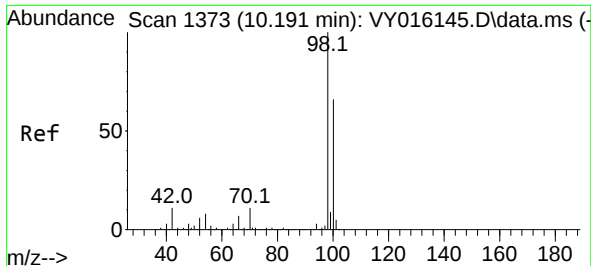
Tgt Ion:113 Resp: 64464
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 20.0 16.9 25.3



#47
Bromodichloromethane
Concen: 1.731 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 83 Resp: 3453
Ion Ratio Lower Upper
83 100
85 48.4 50.1 75.1#
127 11.2 7.1 10.7#

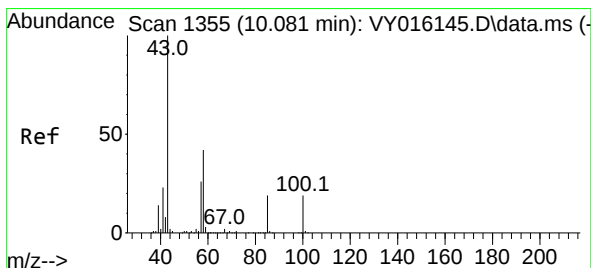
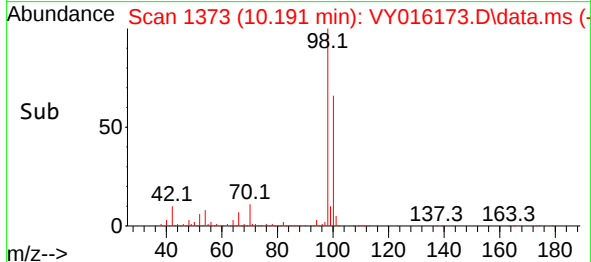
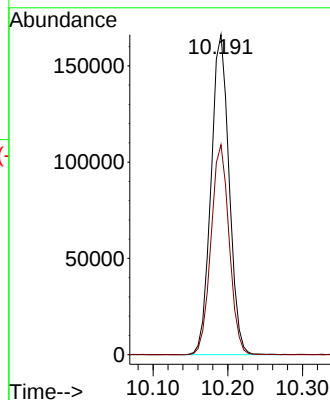
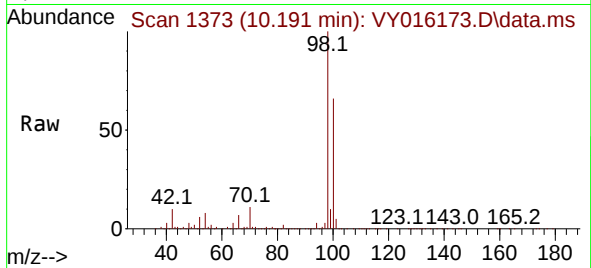




#50
Toluene-d8
Concen: 50.786 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

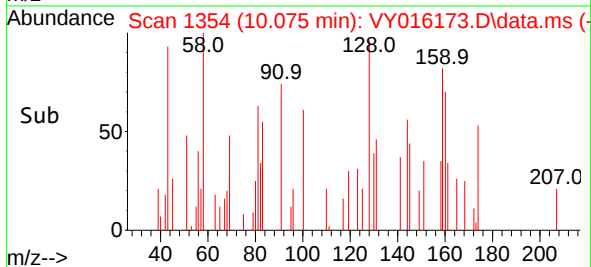
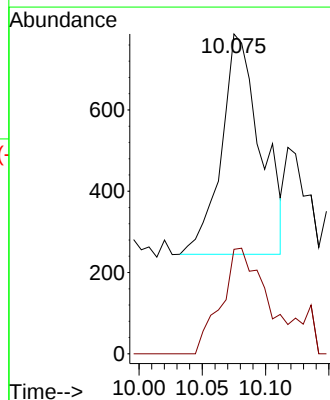
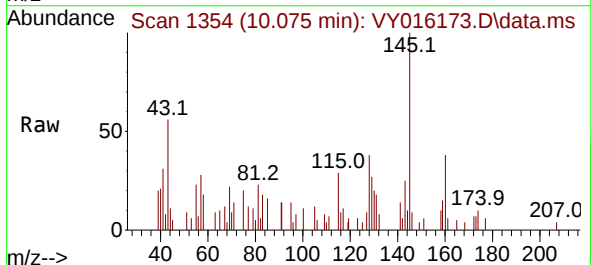
Instrument :
MSVOA_Y
ClientSampleId :
BLK

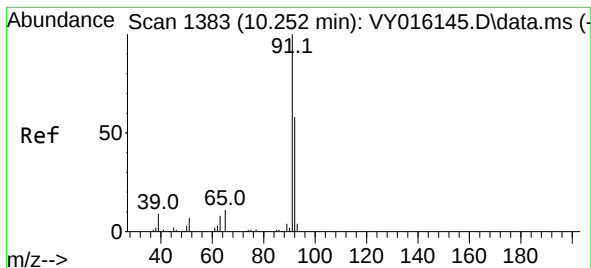
Tgt Ion: 98 Resp: 279405
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 54.6 29.0 43.6#





#52

Toluene

Concen: 3.707 ug/l

RT: 10.252 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

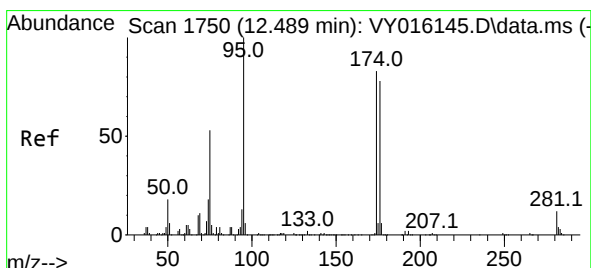
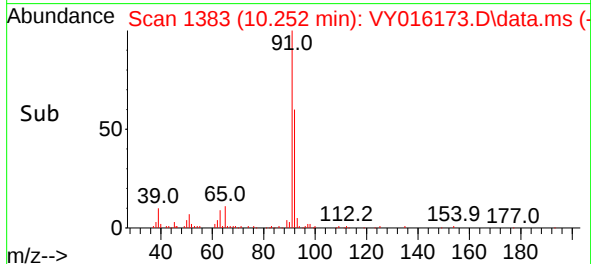
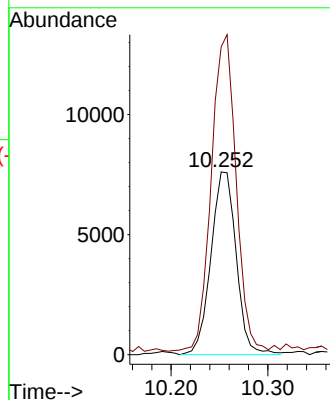
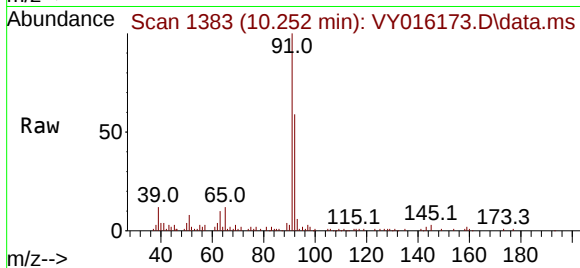
BLK

Tgt Ion: 92 Resp: 13817

Ion Ratio Lower Upper

92 100

91 169.3 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.642 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

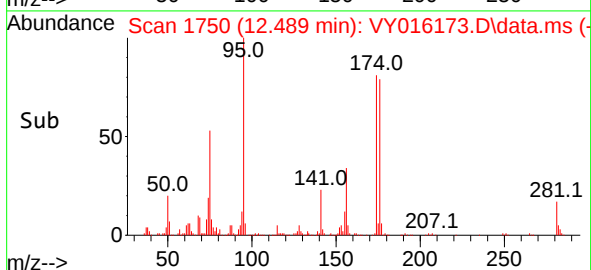
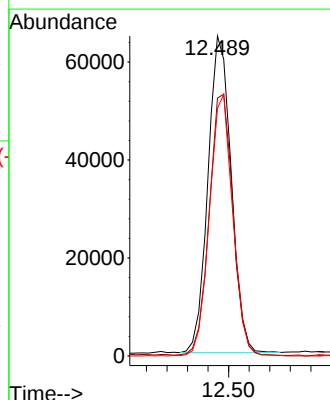
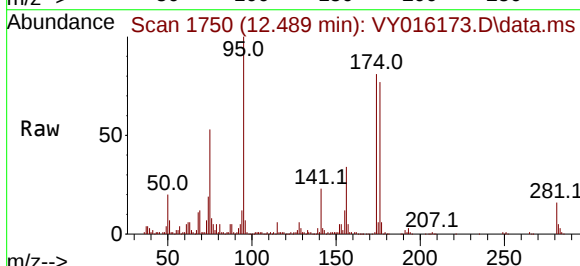
Tgt Ion: 95 Resp: 100915

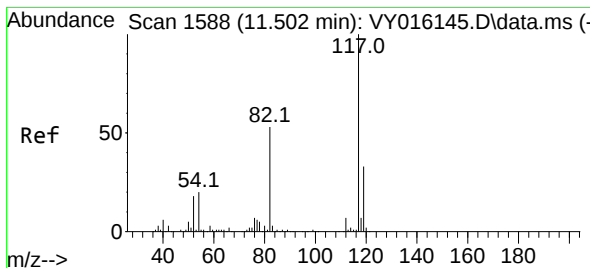
Ion Ratio Lower Upper

95 100

174 85.2 0.0 178.2

176 82.7 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: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

BLK

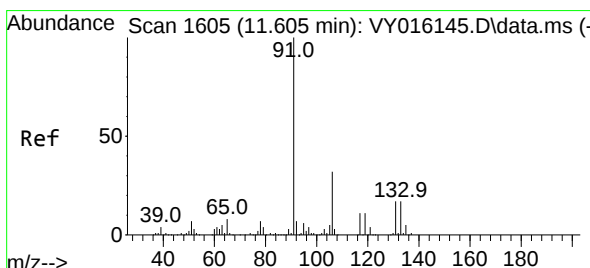
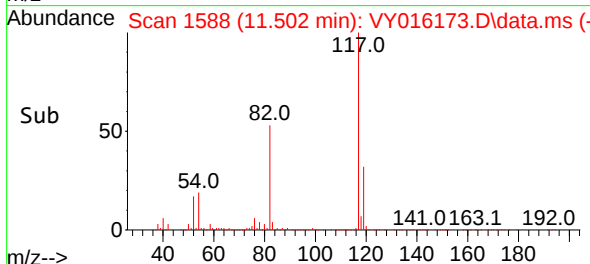
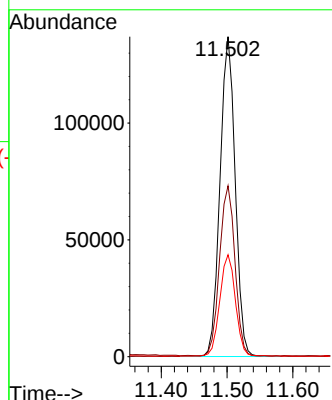
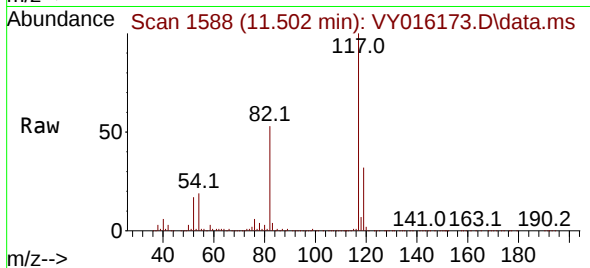
Tgt Ion:117 Resp: 219870

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.7 26.3 39.5



#67

Ethyl Benzene

Concen: 2.862 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. -0.000 min

Lab File: VY016173.D

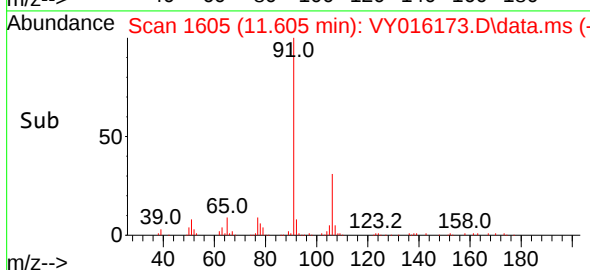
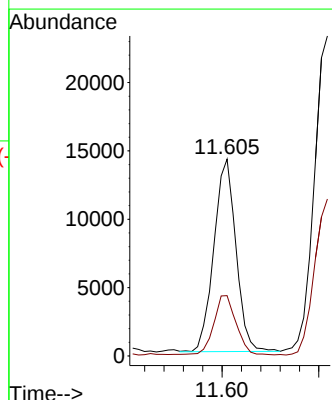
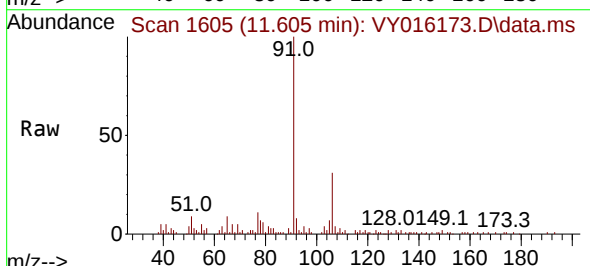
Acq: 01 Nov 2023 17:00

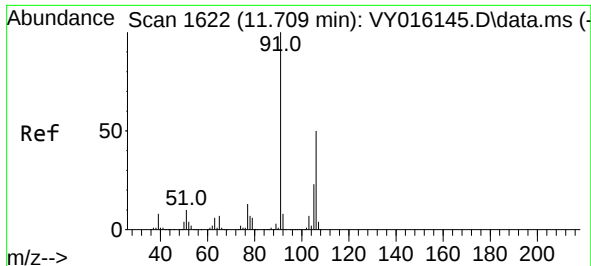
Tgt Ion: 91 Resp: 22359

Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8

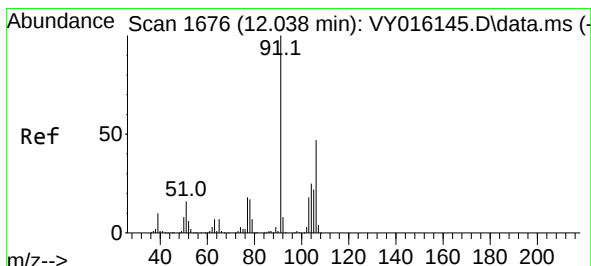
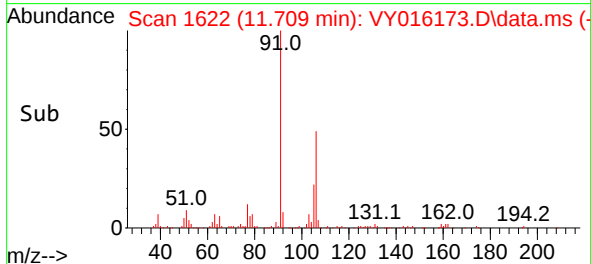
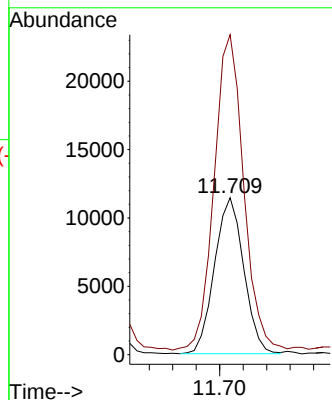
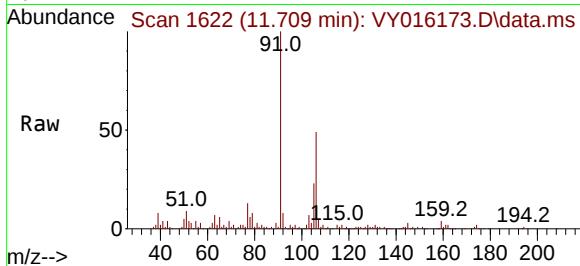




#68
m/p-Xylenes
Concen: 6.531 ug/l
RT: 11.709 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

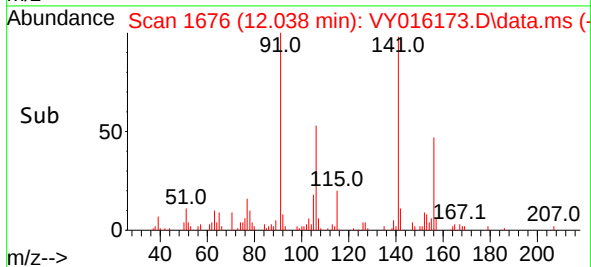
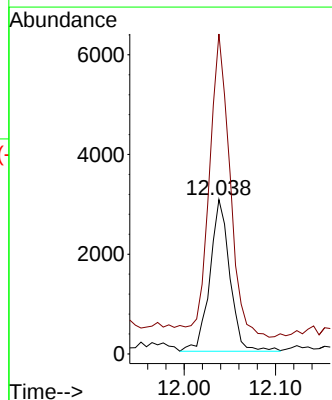
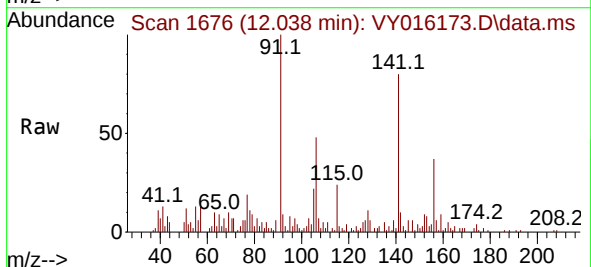
Instrument :
MSVOA_Y
ClientSampleId :
BLK

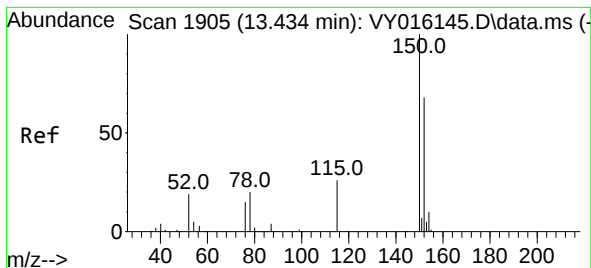
Tgt Ion:106 Resp: 19718
Ion Ratio Lower Upper
106 100
91 203.8 166.1 249.1



#69
o-Xylene
Concen: 1.594 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion:106 Resp: 4595
Ion Ratio Lower Upper
106 100
91 206.1 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

BLK

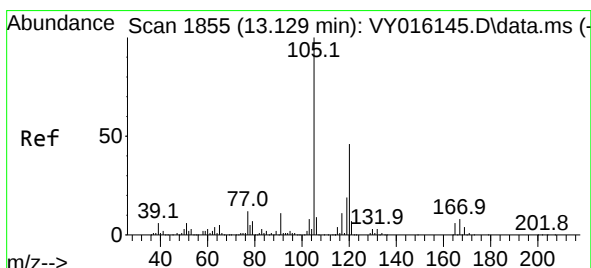
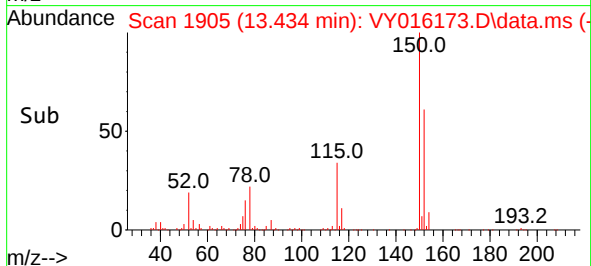
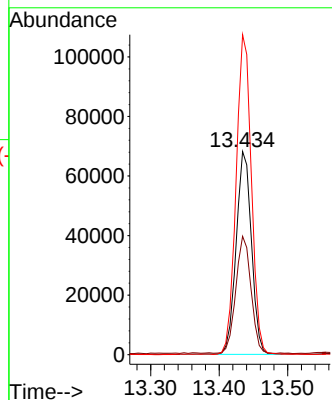
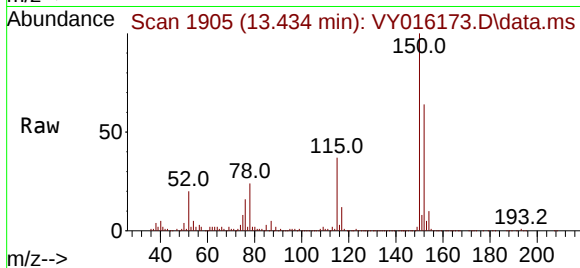
Tgt Ion:152 Resp: 105997

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 157.1 0.0 348.8



#84

1,2,4-Trimethylbenzene

Concen: 3.389 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016173.D

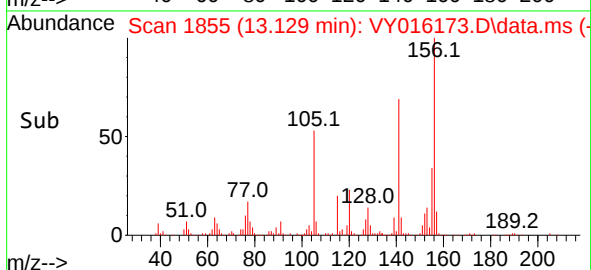
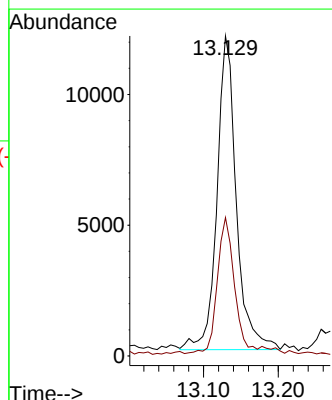
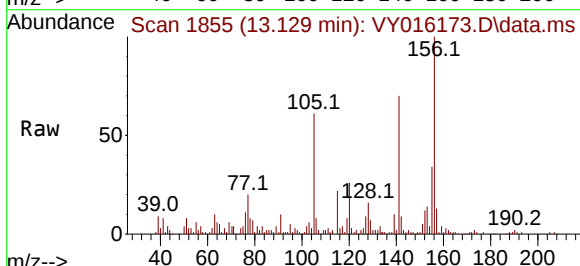
Acq: 01 Nov 2023 17:00

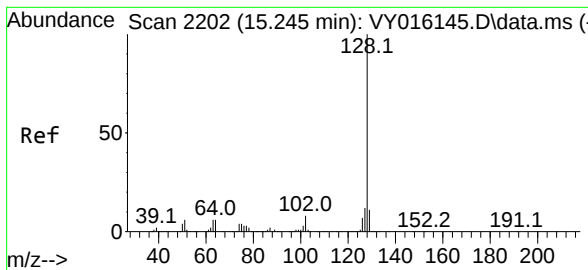
Tgt Ion:105 Resp: 21599

Ion Ratio Lower Upper

105 100

120 38.2 22.2 66.6





#95

Naphthalene

Concen: 6.842 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016173.D

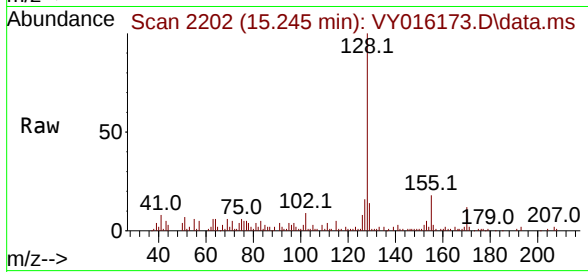
Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

BLK



Tgt Ion:128 Resp: 25238

Ion Ratio Lower Upper

128 100

127 15.1 10.8 16.2

129 11.3 8.6 13.0

