

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101122\
 Data File : VY010916.D
 Acq On : 11 Oct 2022 14:50
 Operator : KP/MD
 Sample : N5004-16
 Misc : 7.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22015-8.5

Quant Time: Oct 12 04:45:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

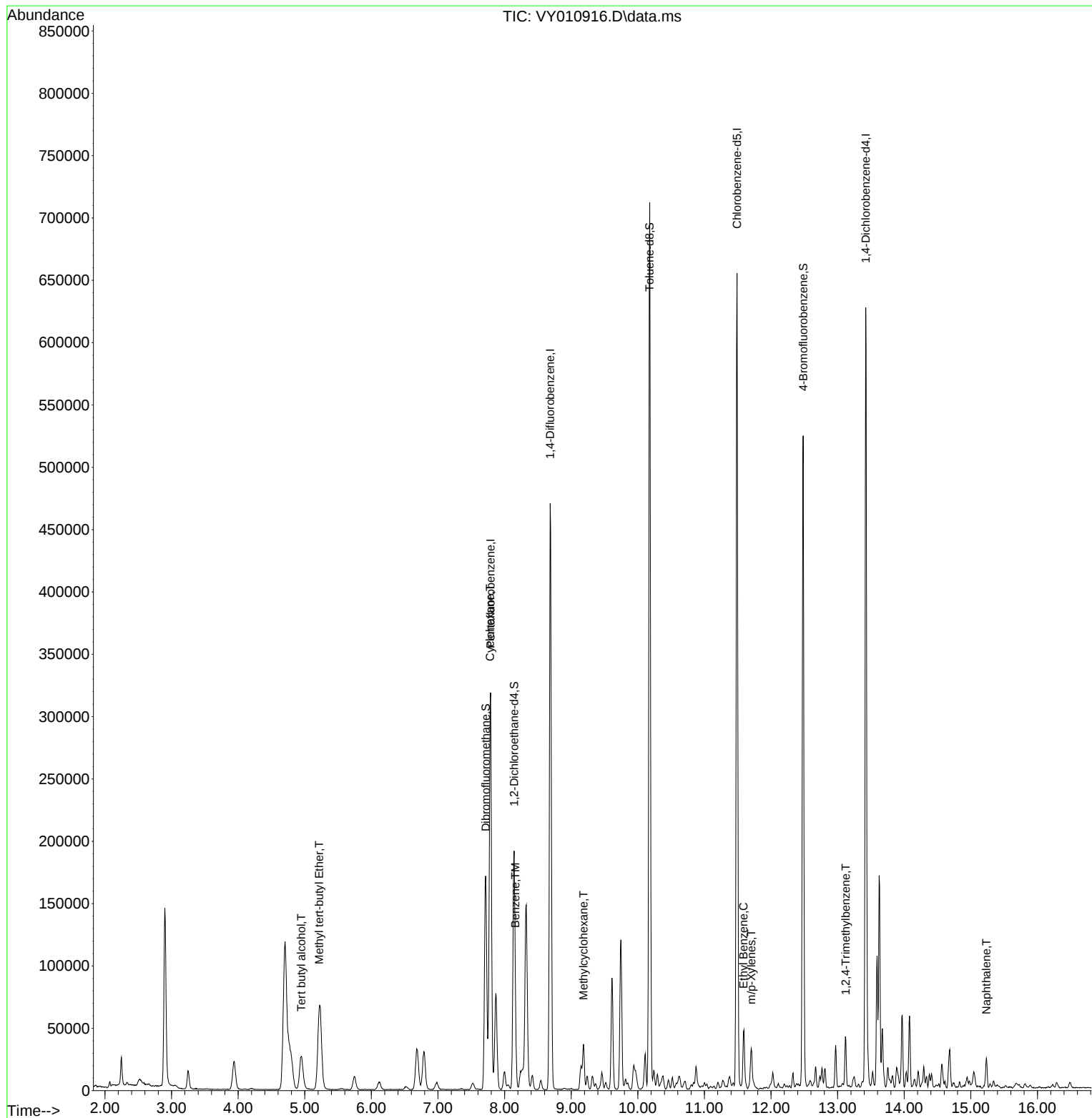
Internal Standards						
1) Pentafluorobenzene	7.789	168	241307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	408458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	131747	53.863	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.720%	
35) Dibromofluoromethane	7.716	113	125453	46.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.540%	
50) Toluene-d8	10.179	98	467044	50.368	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	12.483	95	153723	41.833	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	52953	247.323	ug/l #	95
19) Methyl tert-butyl Ether	5.216	73	81610	13.665	ug/l #	52
31) Cyclohexane	7.783	56	12372	2.826	ug/l #	55
39) Methylcyclohexane	9.185	83	7426	1.545	ug/l #	71
40) Benzene	8.161	78	40423	3.585	ug/l	98
67) Ethyl Benzene	11.587	91	31064	2.342	ug/l	96
68) m/p-Xylenes	11.703	106	9125	1.758	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	22389	2.237	ug/l	100
95) Naphthalene	15.233	128	20020	3.664	ug/l	97

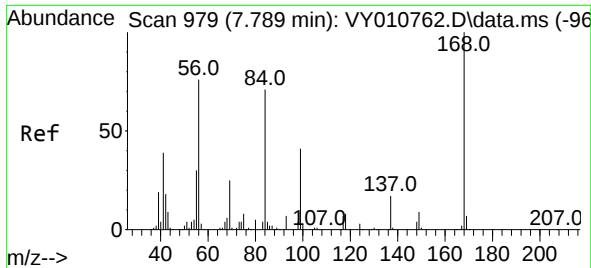
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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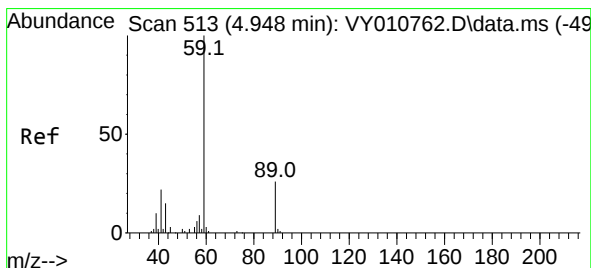
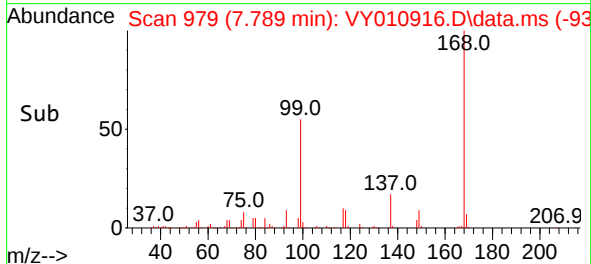
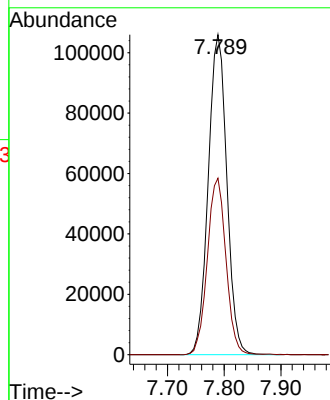
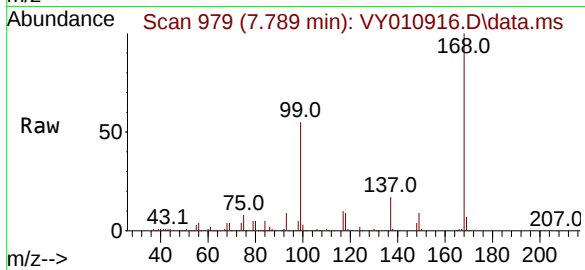




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

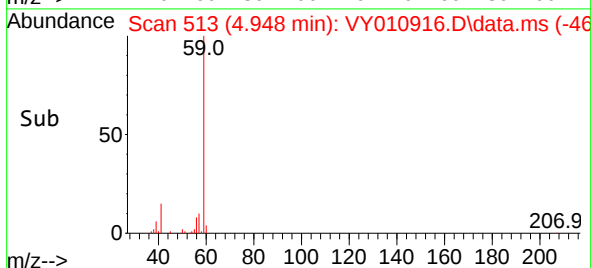
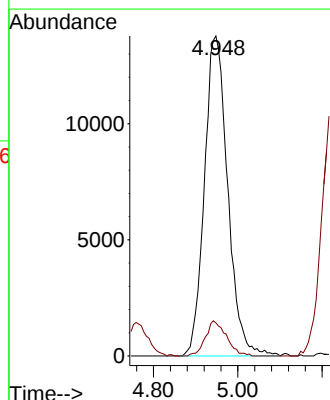
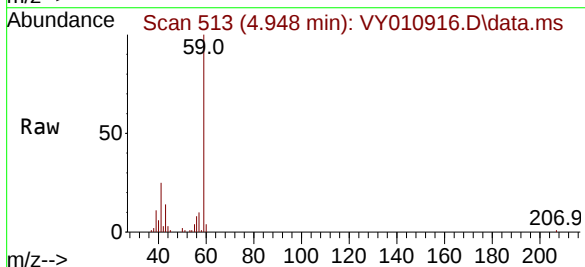
Instrument :
MSVOA_Y
ClientSampleId :
D22015-8.5

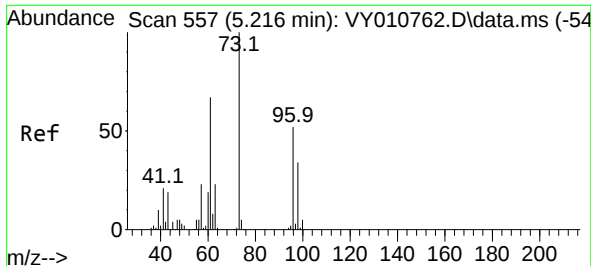
Tgt Ion:168 Resp: 241307
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#11
Tert butyl alcohol
Concen: 247.323 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

Tgt Ion: 59 Resp: 52953
Ion Ratio Lower Upper
59 100
57 9.9 6.4 9.6#





#19

Methyl tert-butyl Ether

Concen: 13.665 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

Instrument :

MSVOA_Y

ClientSampleId :

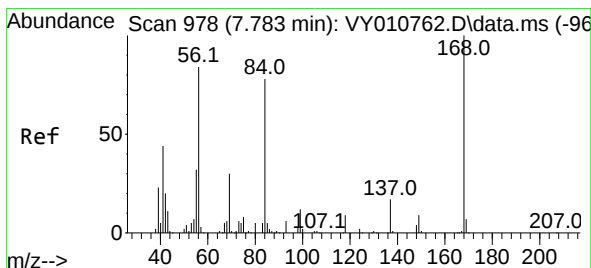
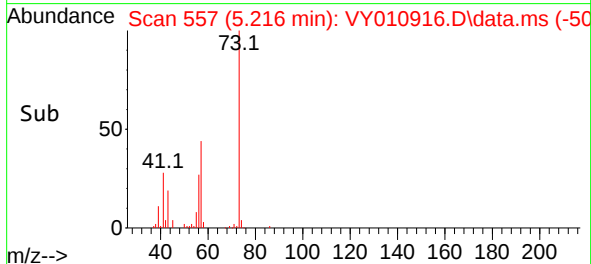
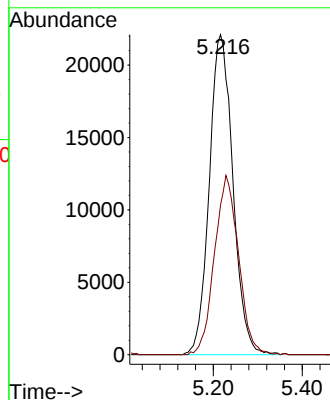
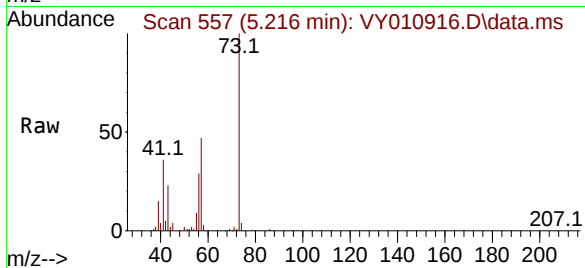
D22015-8.5

Tgt Ion: 73 Resp: 81610

Ion Ratio Lower Upper

73 100

57 46.7 18.6 27.8#



#31

Cyclohexane

Concen: 2.826 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

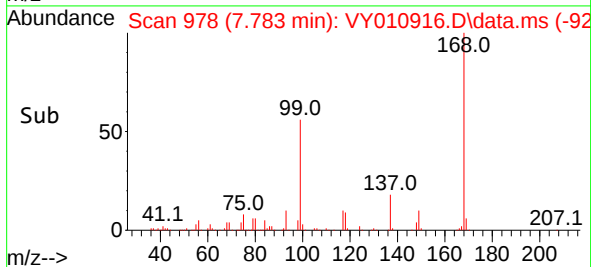
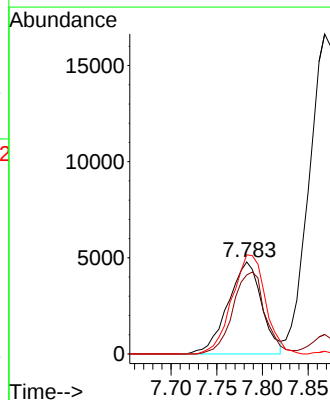
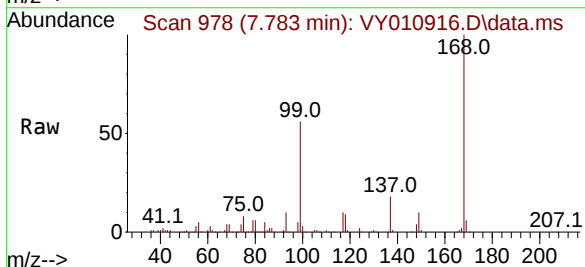
Tgt Ion: 56 Resp: 12372

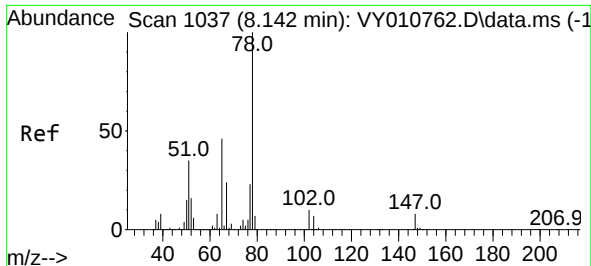
Ion Ratio Lower Upper

56 100

69 86.0 26.7 40.1#

84 107.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.863 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

Instrument :

MSVOA_Y

ClientSampleId :

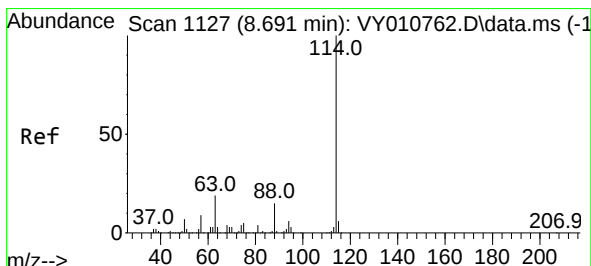
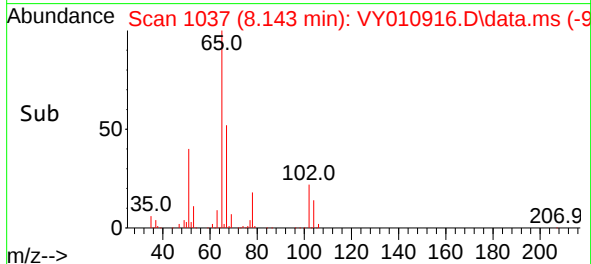
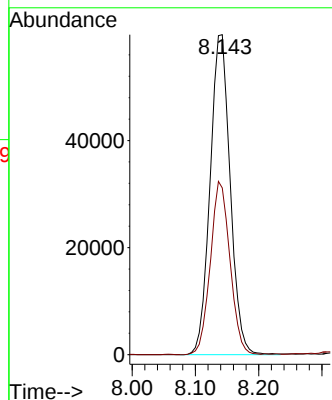
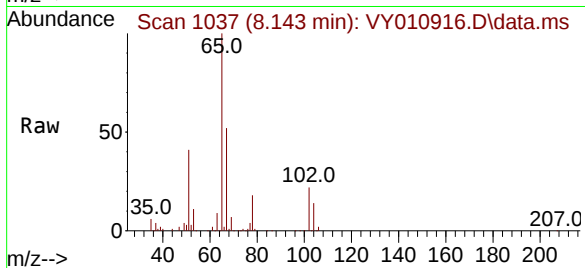
D22015-8.5

Tgt Ion: 65 Resp: 131747

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

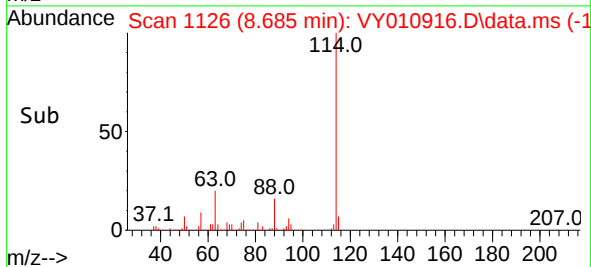
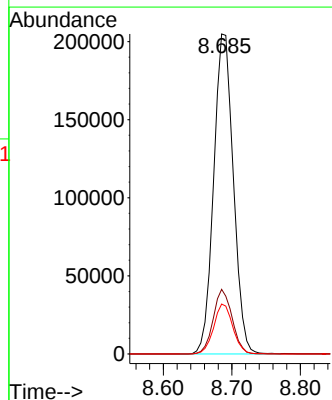
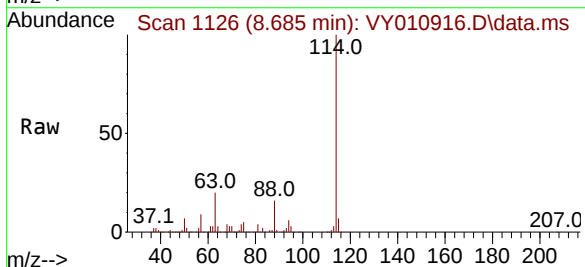
Tgt Ion: 114 Resp: 408458

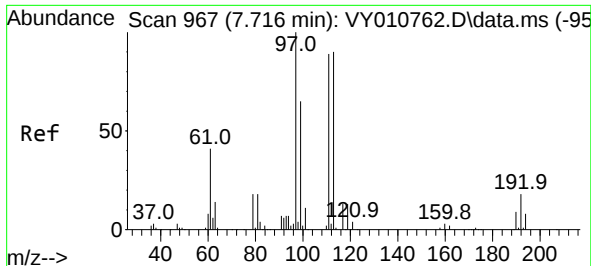
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.6 0.0 31.8

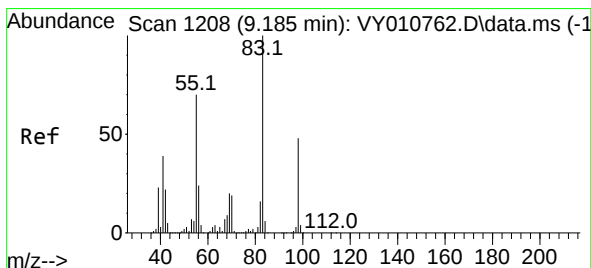
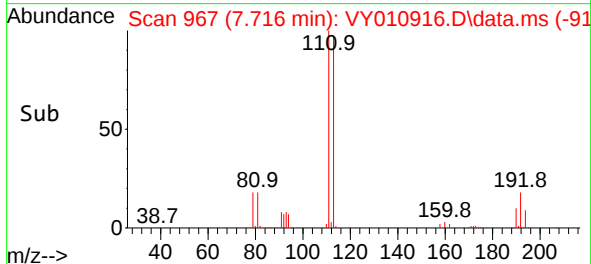
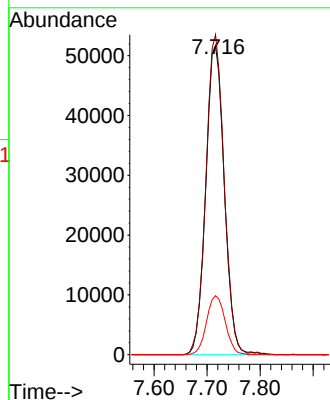
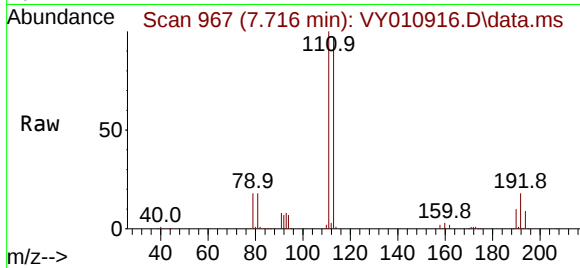




#35
Dibromofluoromethane
Concen: 46.269 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

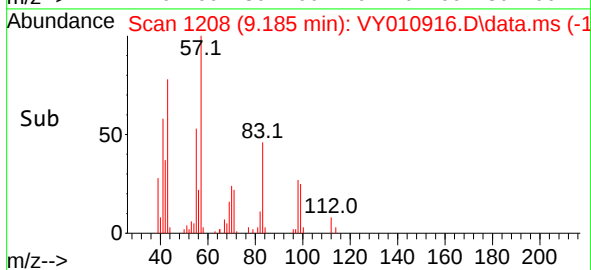
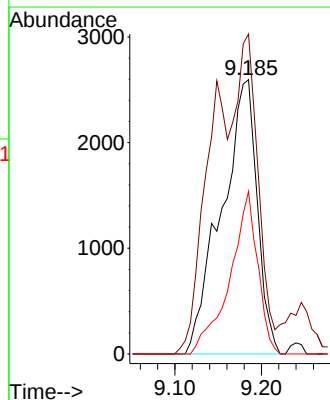
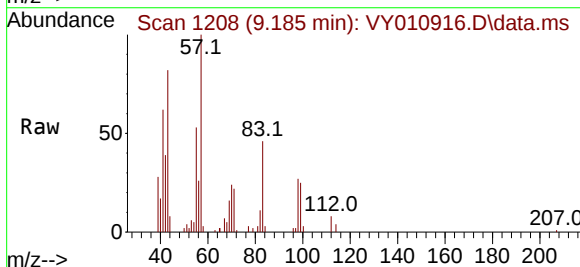
Instrument :
MSVOA_Y
ClientSampleId :
D22015-8.5

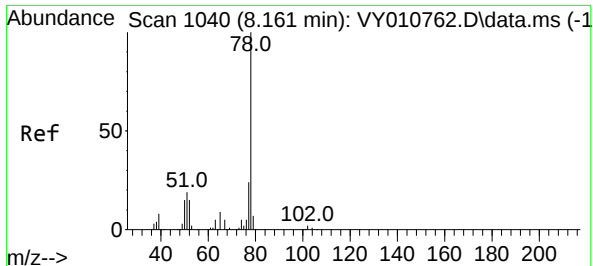
Tgt Ion:113 Resp: 125453
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 19.2 17.6 26.4



#39
Methylcyclohexane
Concen: 1.545 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

Tgt Ion: 83 Resp: 7426
Ion Ratio Lower Upper
83 100
55 114.7 66.5 99.7#
98 59.3 37.9 56.9#

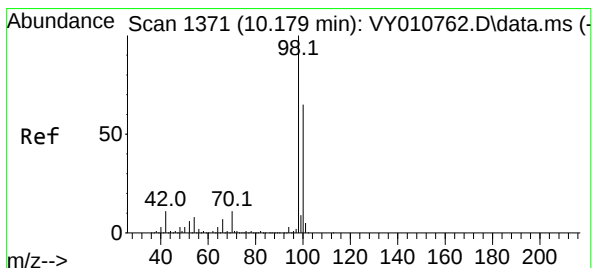
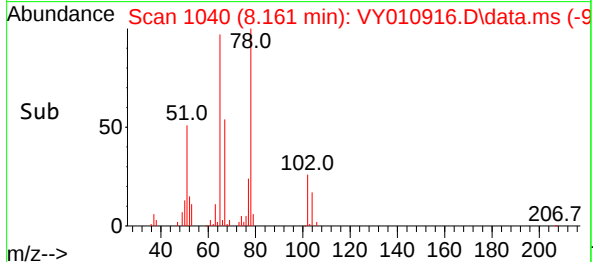
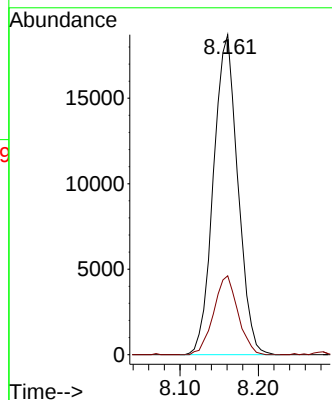
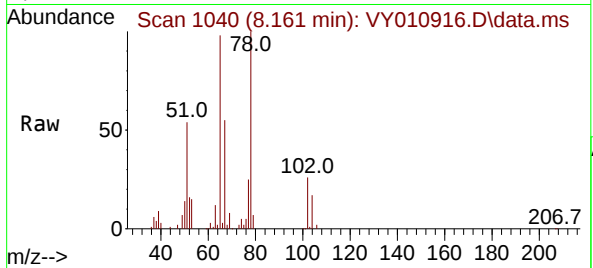




#40
Benzene
Concen: 3.585 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

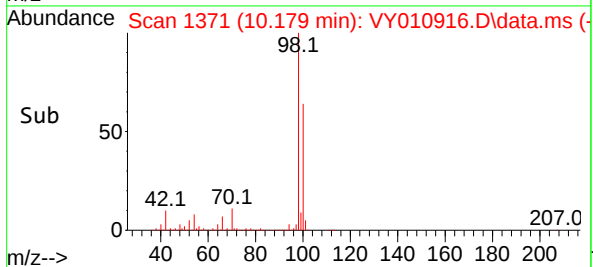
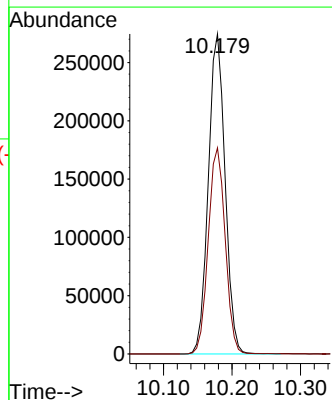
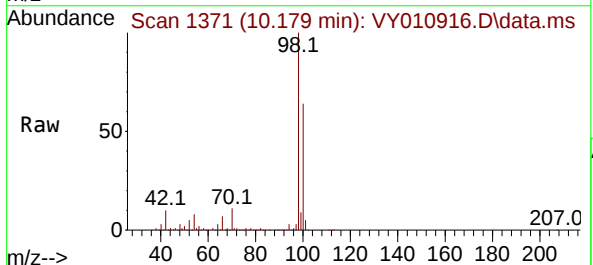
Instrument :
MSVOA_Y
ClientSampleId :
D22015-8.5

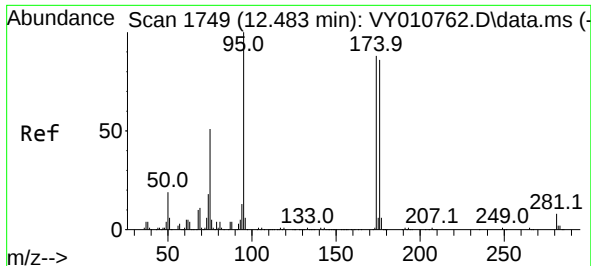
Tgt Ion: 78 Resp: 40423
Ion Ratio Lower Upper
78 100
77 24.6 20.4 30.6



#50
Toluene-d8
Concen: 50.368 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

Tgt Ion: 98 Resp: 467044
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 41.833 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

Instrument :

MSVOA_Y

ClientSampleId :

D22015-8.5

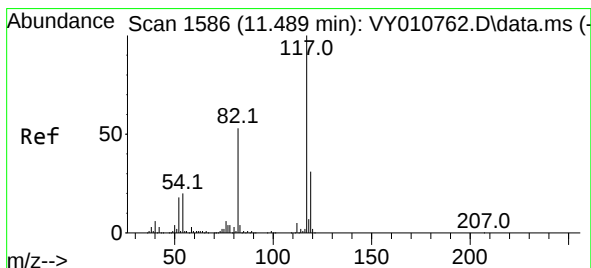
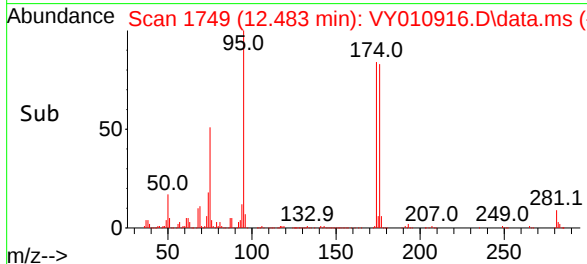
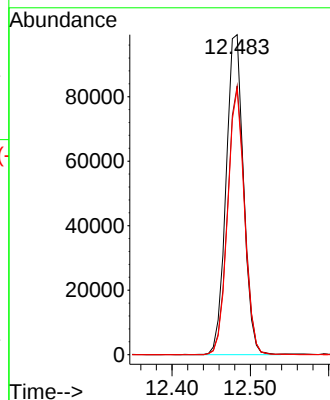
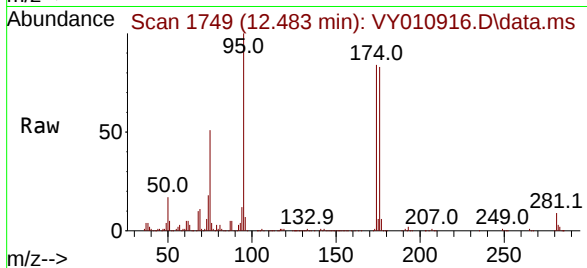
Tgt Ion: 95 Resp: 153723

Ion Ratio Lower Upper

95 100

174 82.5 0.0 177.0

176 79.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

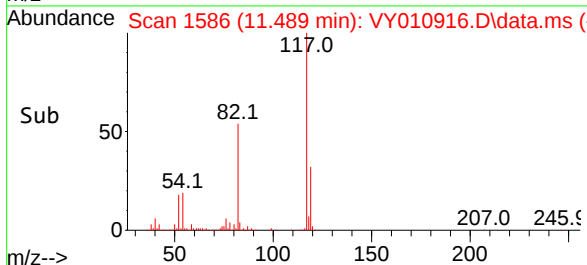
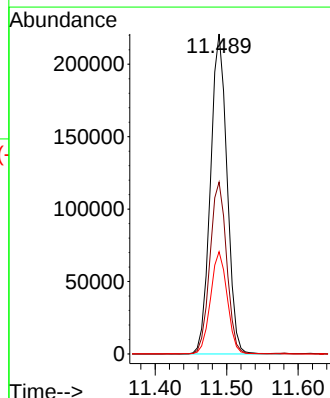
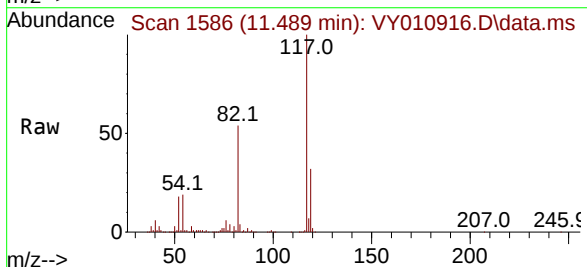
Tgt Ion: 117 Resp: 355972

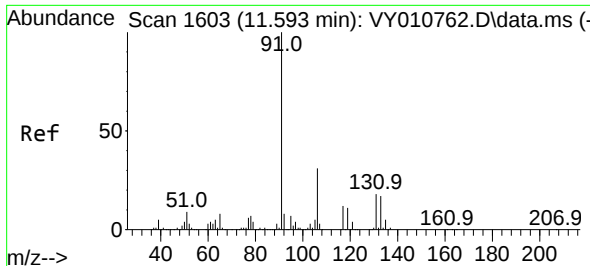
Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.4

119 31.9 25.4 38.0





#67

Ethyl Benzene

Concen: 2.342 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY010916.D

Acq: 11 Oct 2022 14:50

Instrument :

MSVOA_Y

ClientSampleId :

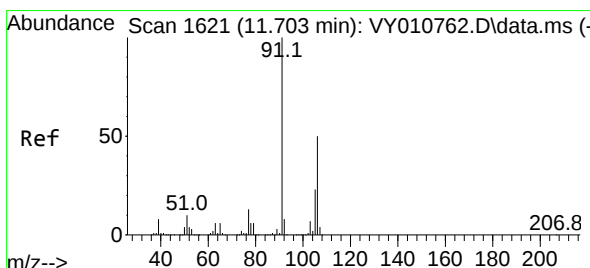
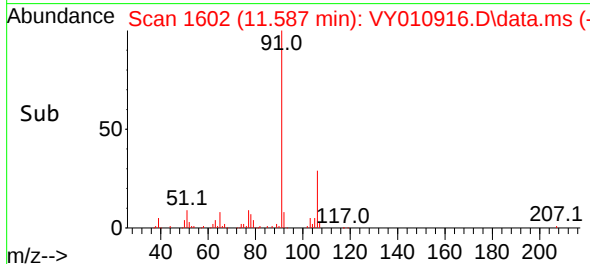
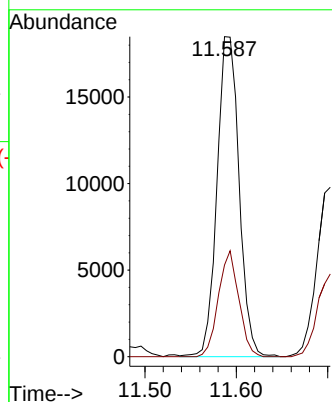
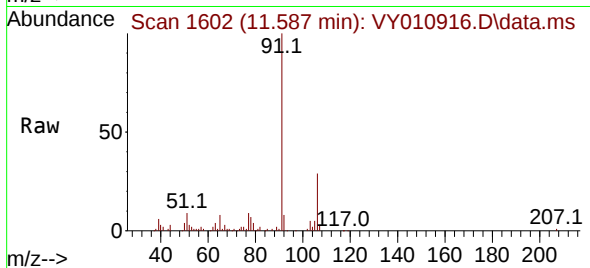
D22015-8.5

Tgt Ion: 91 Resp: 31064

Ion Ratio Lower Upper

91 100

106 28.7 24.5 36.7



#68

m/p-Xylenes

Concen: 1.758 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY010916.D

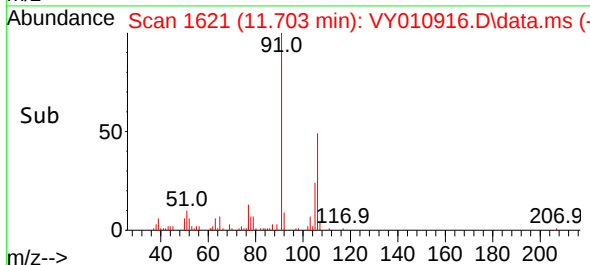
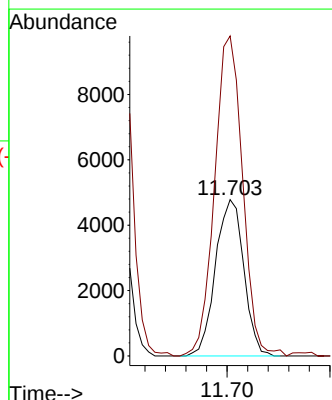
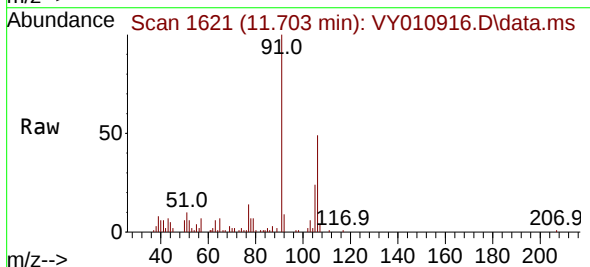
Acq: 11 Oct 2022 14:50

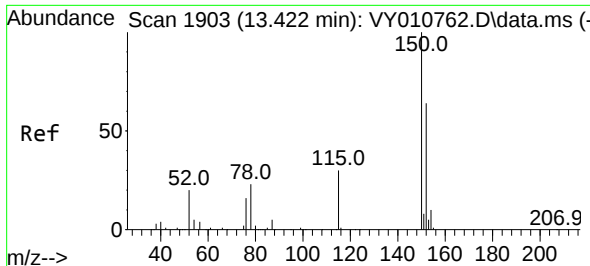
Tgt Ion: 106 Resp: 9125

Ion Ratio Lower Upper

106 100

91 202.6 166.6 249.8

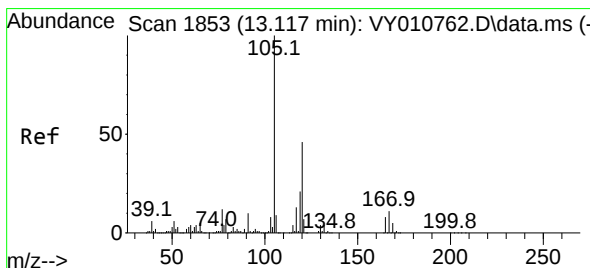
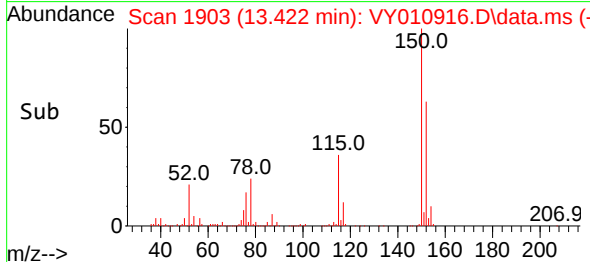
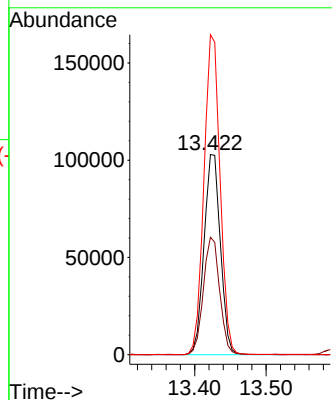
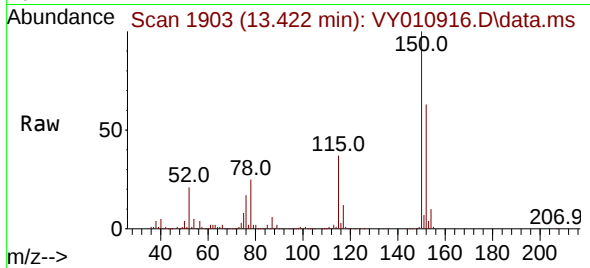




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010916.D
 Acq: 11 Oct 2022 14:50

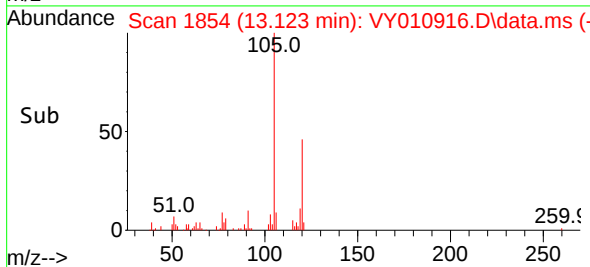
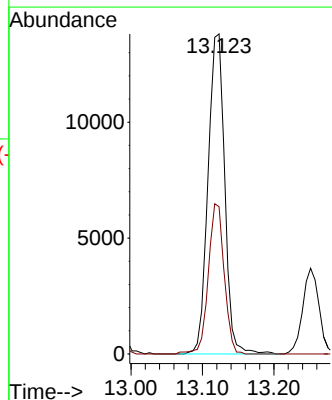
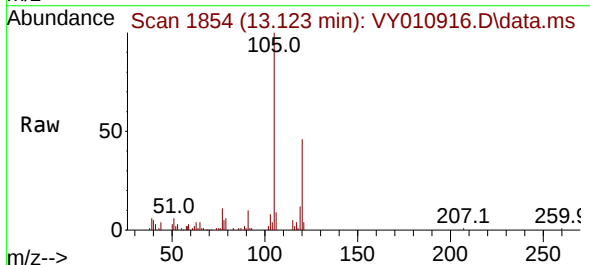
Instrument :
 MSVOA_Y
 ClientSampleId :
 D22015-8.5

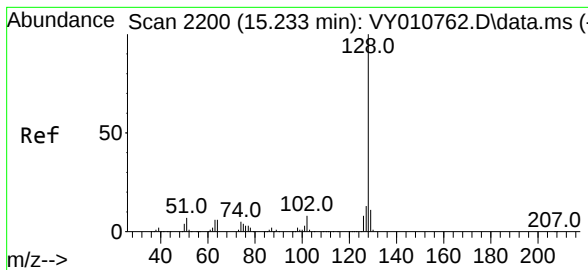
Tgt Ion:152 Resp: 163749
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.2 84.7
 150 157.5 0.0 347.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.237 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY010916.D
 Acq: 11 Oct 2022 14:50

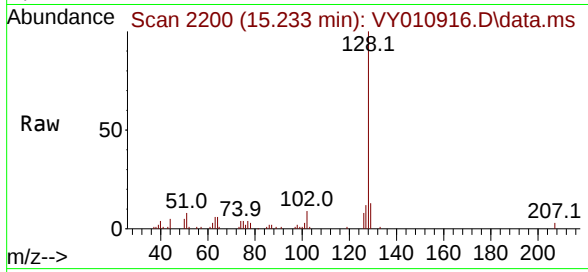
Tgt Ion:105 Resp: 22389
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.3 66.9





#95
Naphthalene
Concen: 3.664 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010916.D
Acq: 11 Oct 2022 14:50

Instrument :
MSVOA_Y
ClientSampleId :
D22015-8.5



Tgt Ion:	128	Resp:	20020
Ion Ratio	Lower	Upper	
128	100		
127	12.9	11.0	16.4
129	12.0	8.4	12.6

