

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037808.D
 Acq On : 19 Sep 2023 16:03
 Operator : JC/MD
 Sample : 04465-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWA

Quant Time: Sep 20 01:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	231681	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	387861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193884	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142071	46.673	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.340%
35) Dibromofluoromethane	5.391	113	119486	46.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.080%
50) Toluene-d8	8.653	98	470130	48.755	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.079	95	177636	50.695	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.400%

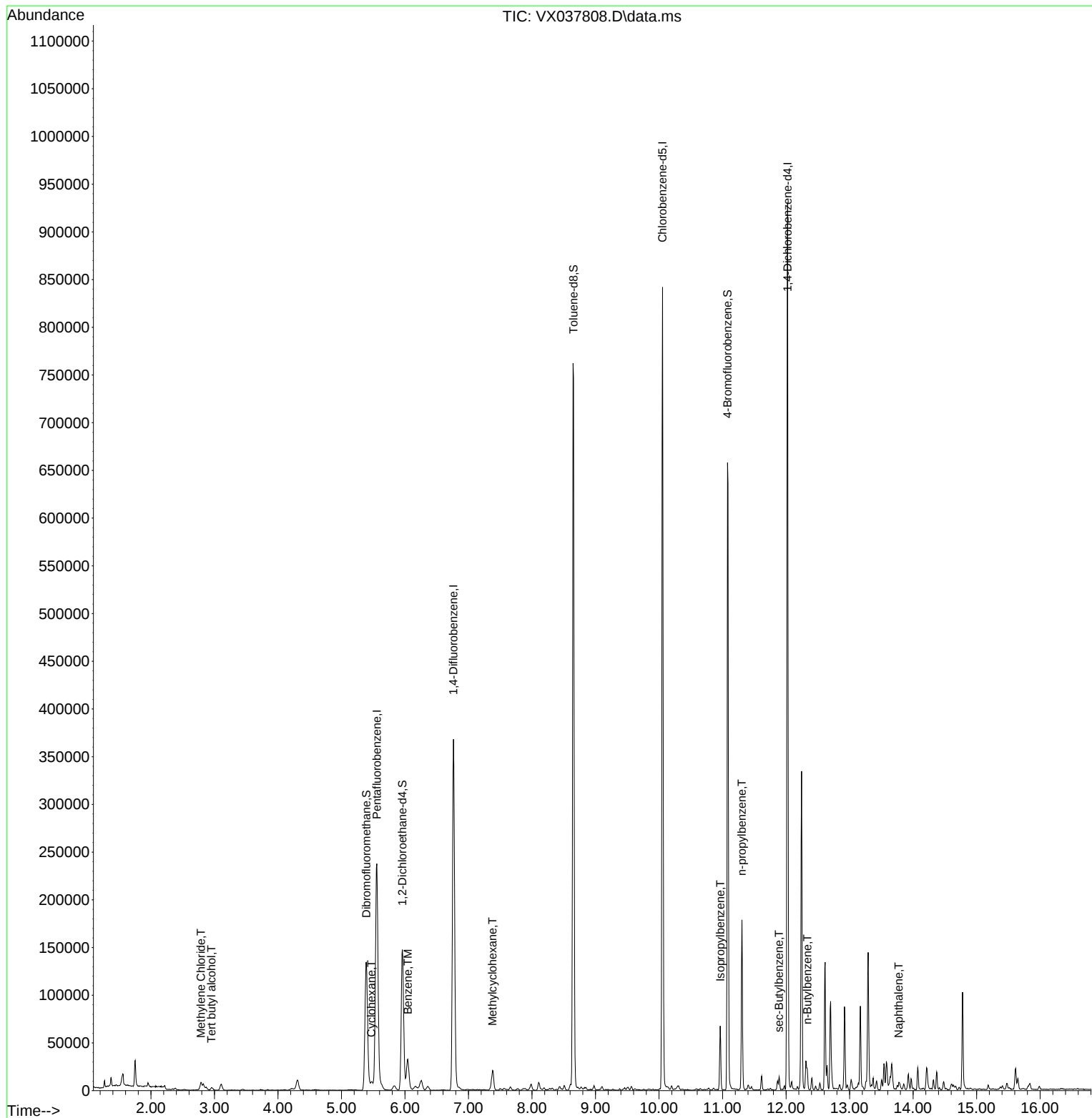
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	3094	4.735	ug/l	# 88
20) Methylene Chloride	2.788	84	2696	0.971	ug/l	87
31) Cyclohexane	5.471	56	5440	1.392	ug/l	98
39) Methylcyclohexane	7.379	83	9023	1.989	ug/l	91
40) Benzene	6.044	78	39964	3.635	ug/l	99
73) Isopropylbenzene	10.964	105	34148	2.401	ug/l	96
78) n-propylbenzene	11.305	91	108044	6.726	ug/l	99
85) sec-Butylbenzene	11.890	105	6710	0.456	ug/l	95
89) n-Butylbenzene	12.335	91	11043	1.027	ug/l	# 72
95) Naphthalene	13.774	128	5326	0.399	ug/l	# 91

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

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Quant Title : SW846 8260
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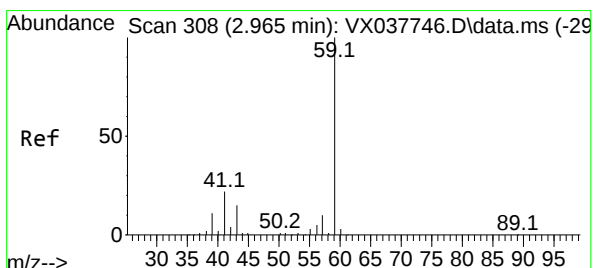
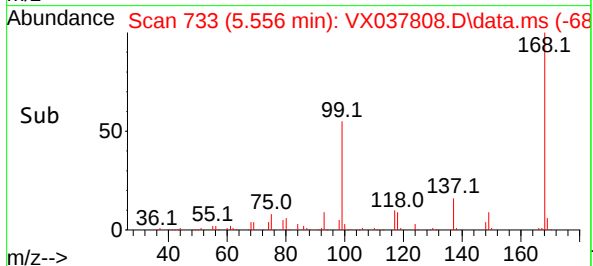
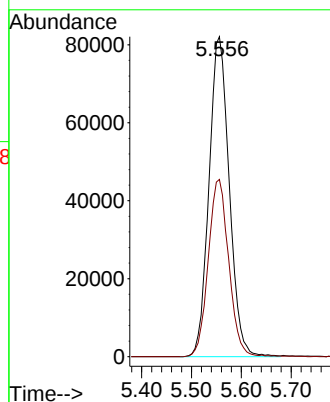
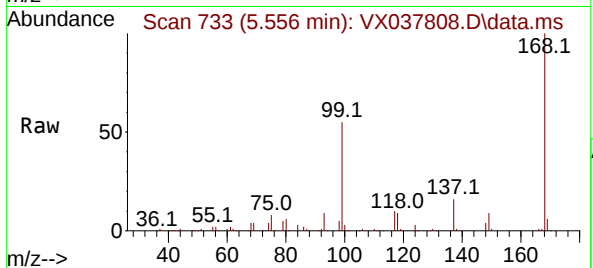




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

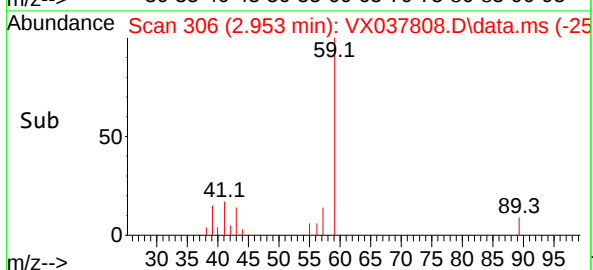
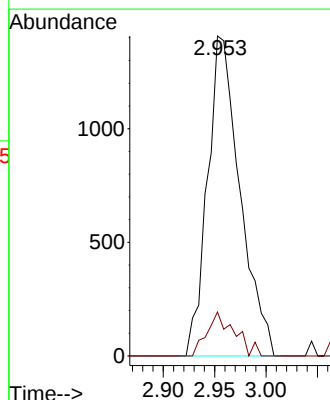
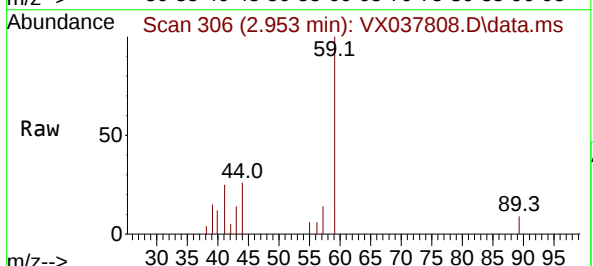
Instrument :
MSVOA_X
ClientSampleId :
MWA

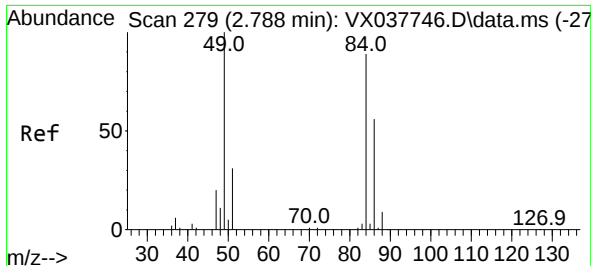
Tgt Ion:168 Resp: 231681
Ion Ratio Lower Upper
168 100
99 55.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 4.735 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 59 Resp: 3094
Ion Ratio Lower Upper
59 100
57 11.7 6.0 9.0#

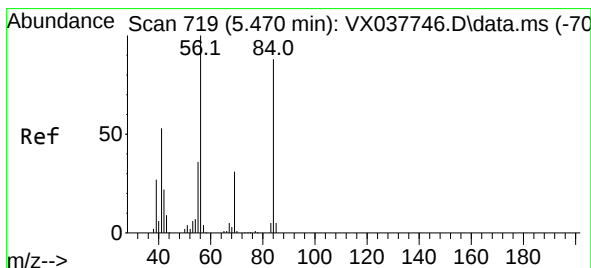
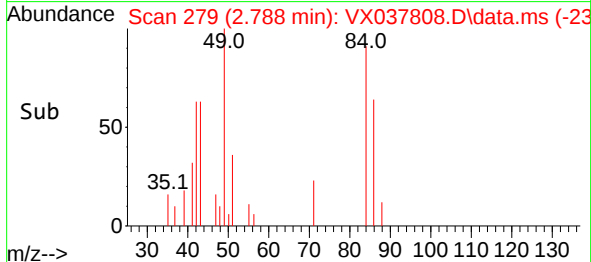
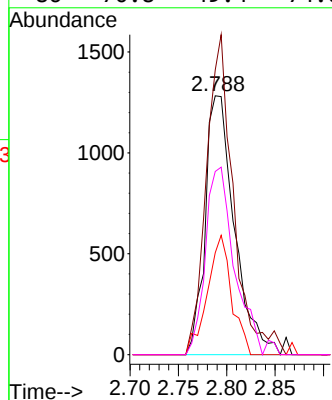
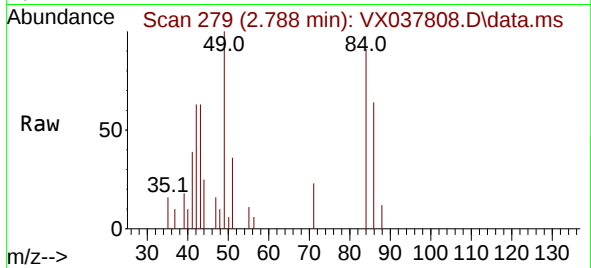




#20
Methylene Chloride
Concen: 0.971 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

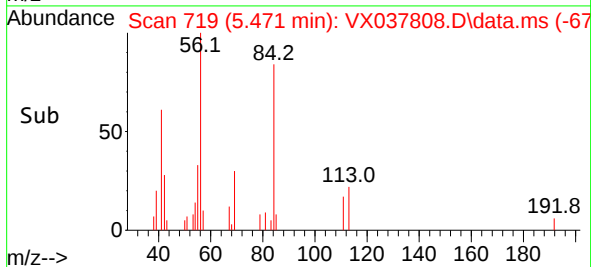
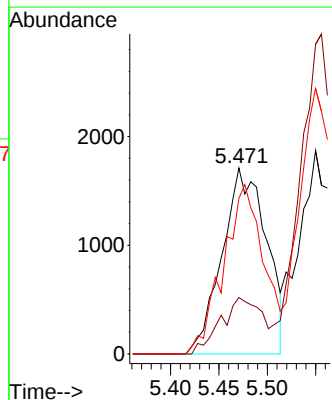
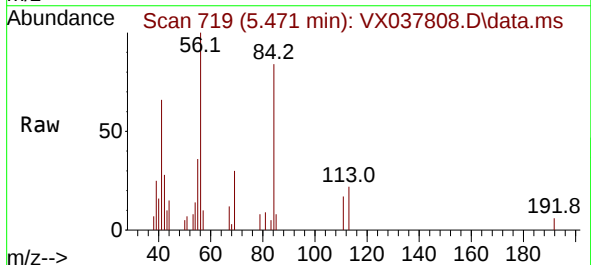
Instrument :
MSVOA_X
ClientSampleId :
MWA

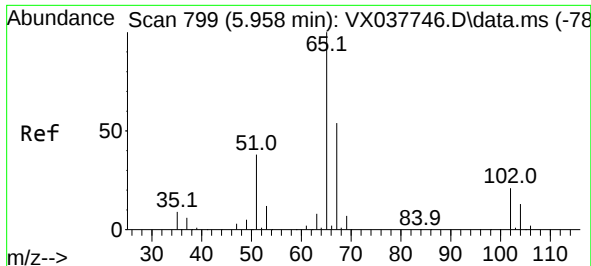
Tgt Ion:	84	Resp:	2696
Ion	Ratio	Lower	Upper
84	100		
49	110.0	103.6	155.4
51	39.4	33.8	50.6
86	70.8	49.4	74.0



#31
Cyclohexane
Concen: 1.392 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion:	56	Resp:	5440
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	83.8	65.9	98.9

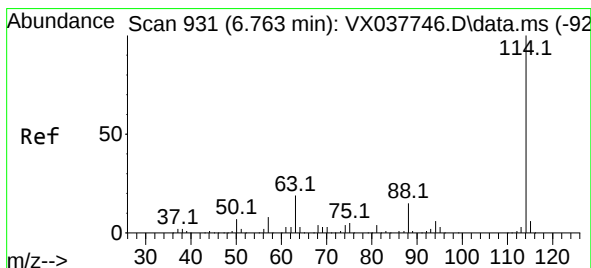
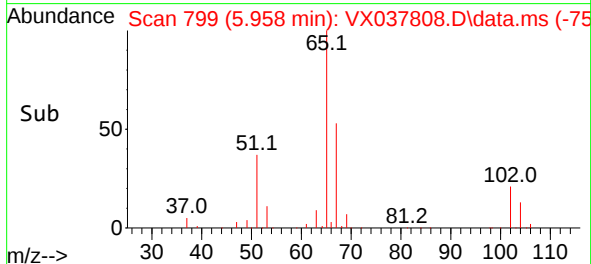
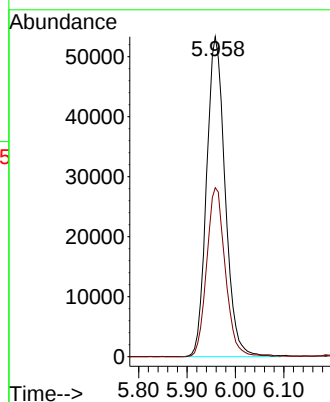
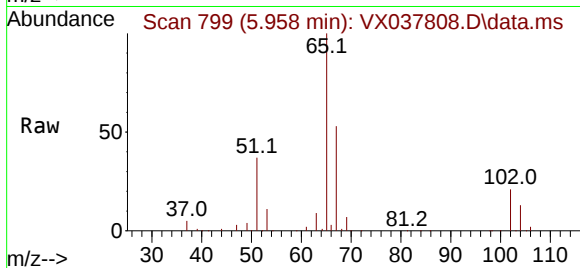




#33
 1,2-Dichloroethane-d4
 Concen: 46.673 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX037808.D
 Acq: 19 Sep 2023 16:03

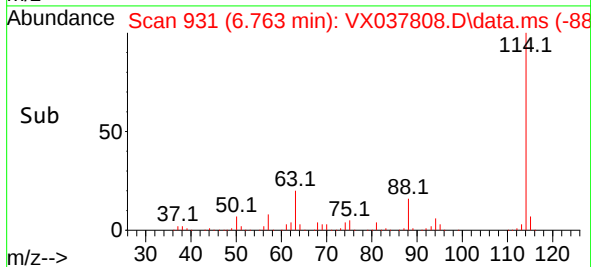
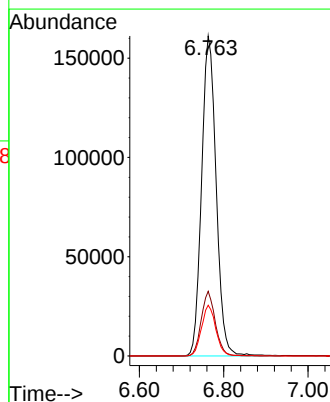
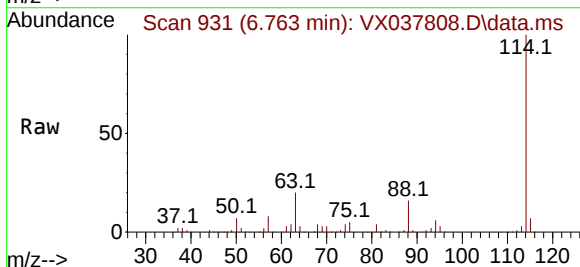
Instrument :
 MSVOA_X
 ClientSampleId :
 MWA

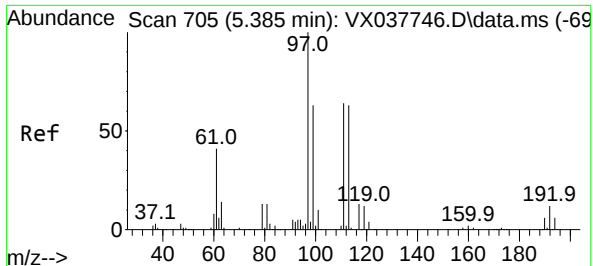
Tgt Ion: 65 Resp: 142071
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX037808.D
 Acq: 19 Sep 2023 16:03

Tgt Ion: 114 Resp: 387861
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.0
 88 15.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.041 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037808.D

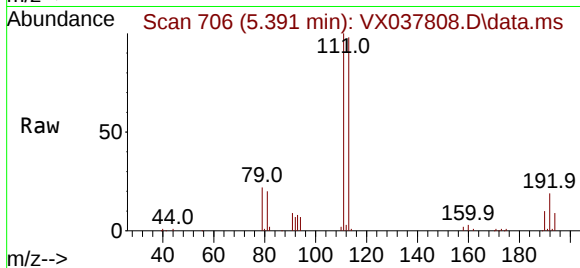
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Instrument :

MSVOA_X

ClientSampleId :

MWA



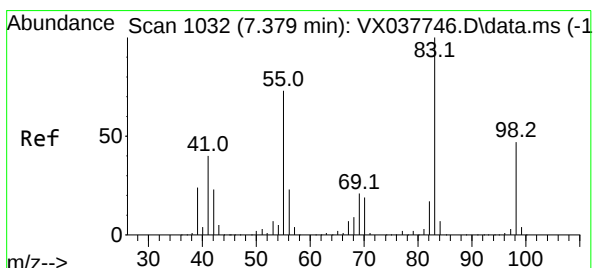
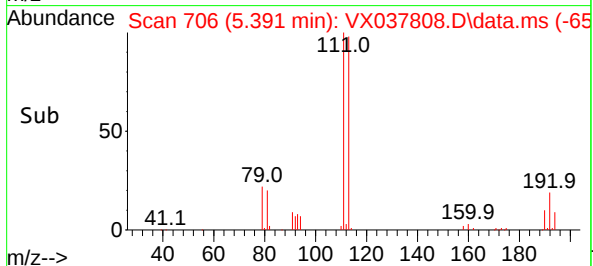
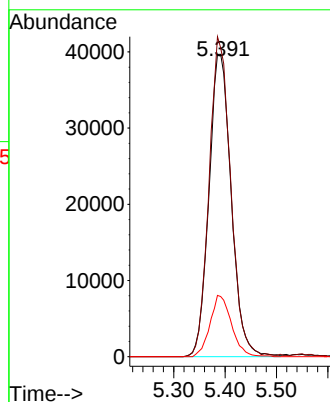
Tgt Ion:113 Resp: 119486

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

192 19.6 13.3 19.9



#39

Methylcyclohexane

Concen: 1.989 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

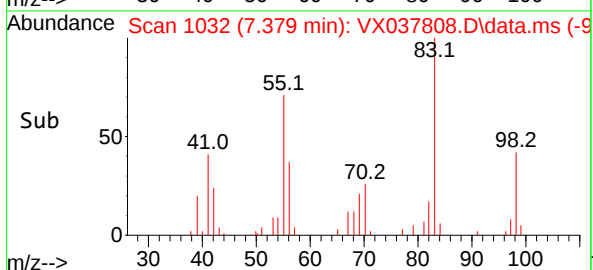
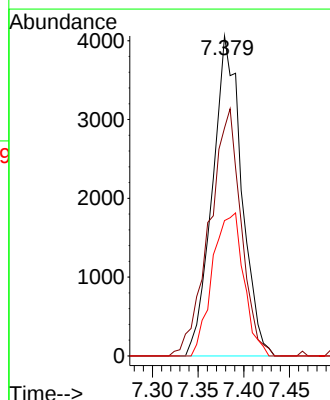
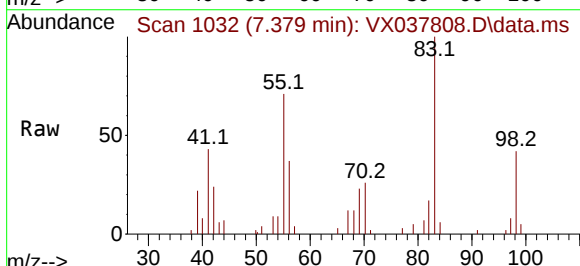
Tgt Ion: 83 Resp: 9023

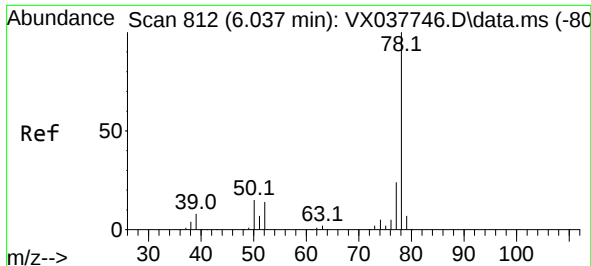
Ion Ratio Lower Upper

83 100

55 71.3 64.6 97.0

98 42.3 36.7 55.1

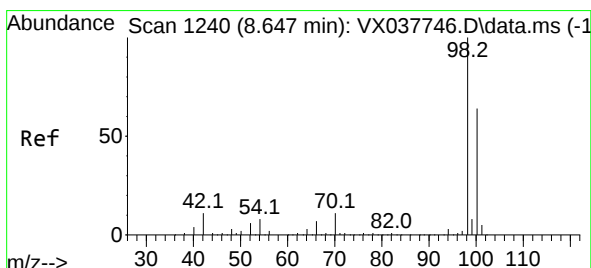
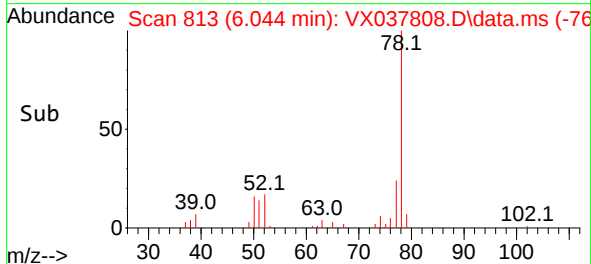
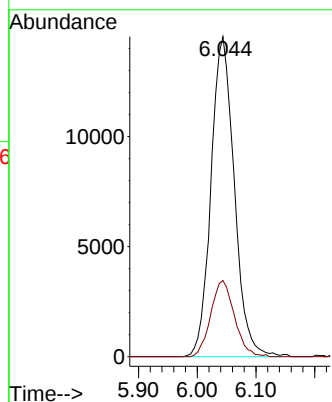
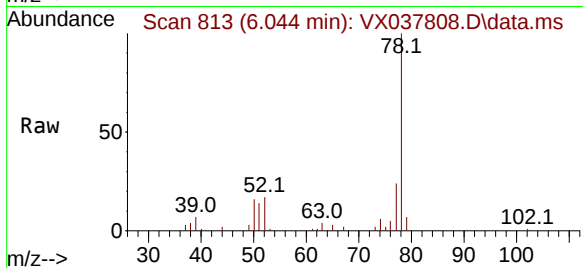




#40
Benzene
Concen: 3.635 ug/l
RT: 6.044 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

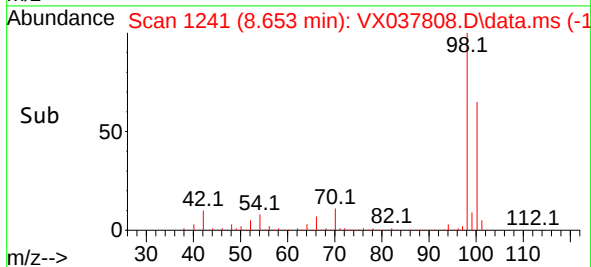
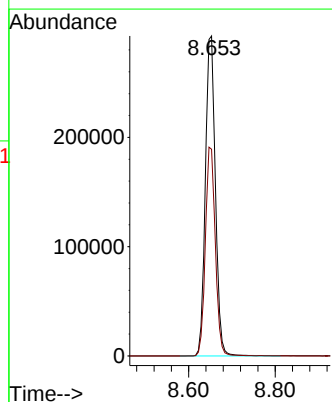
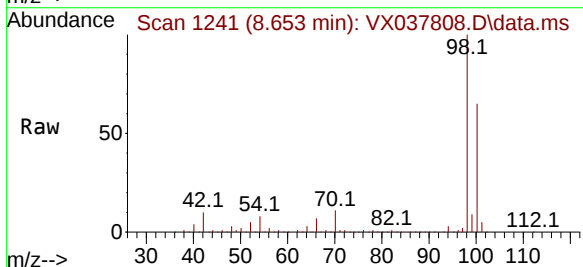
Instrument :
MSVOA_X
ClientSampleId :
MWA

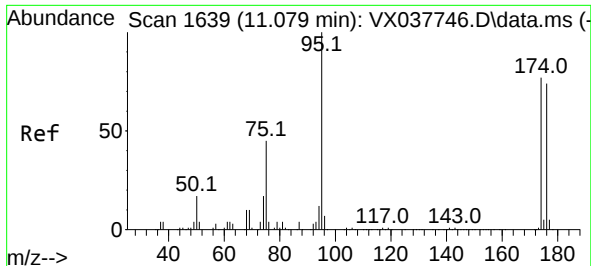
Tgt Ion: 78 Resp: 39964
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9



#50
Toluene-d8
Concen: 48.755 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion: 98 Resp: 470130
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 50.695 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Instrument :

MSVOA_X

ClientSampleId :

MWA

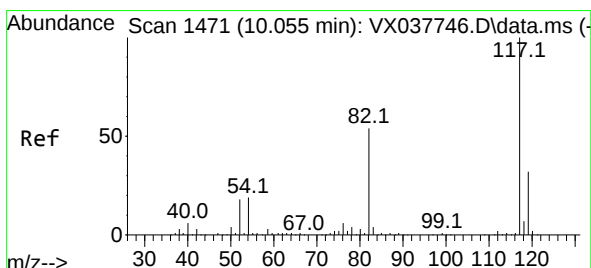
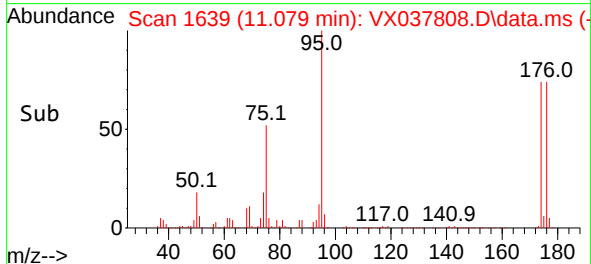
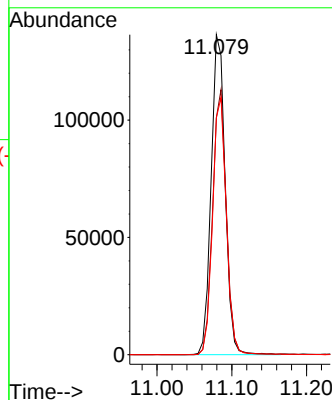
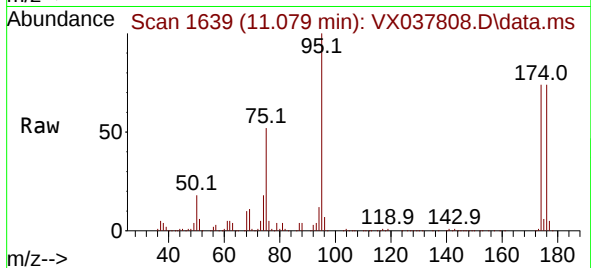
Tgt Ion: 95 Resp: 177636

Ion Ratio Lower Upper

95 100

174 81.5 0.0 135.6

176 79.3 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

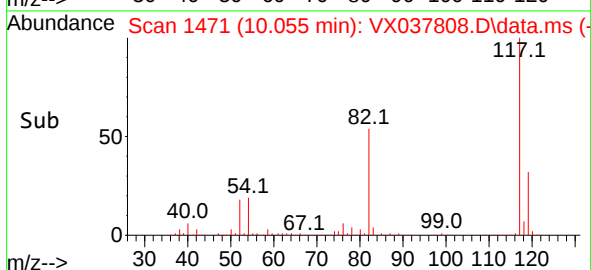
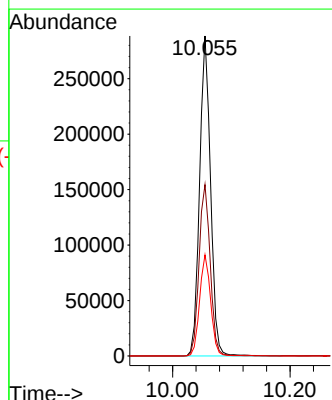
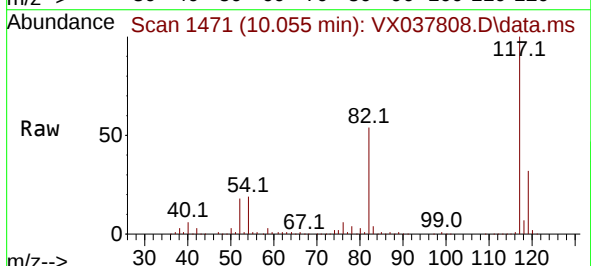
Tgt Ion: 117 Resp: 372875

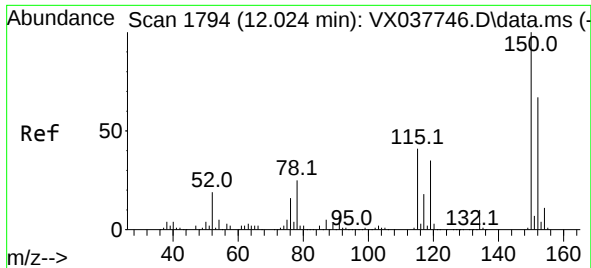
Ion Ratio Lower Upper

117 100

82 53.5 46.2 69.4

119 31.6 25.5 38.3

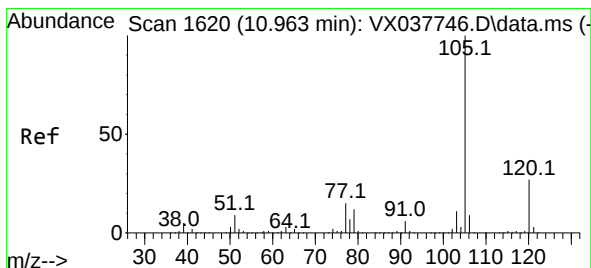
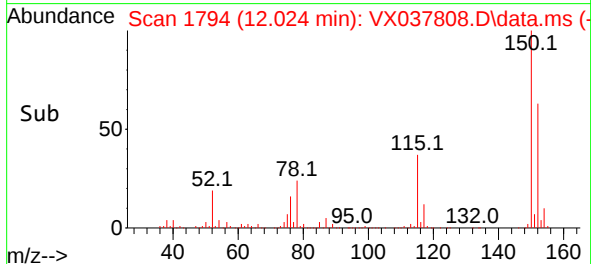
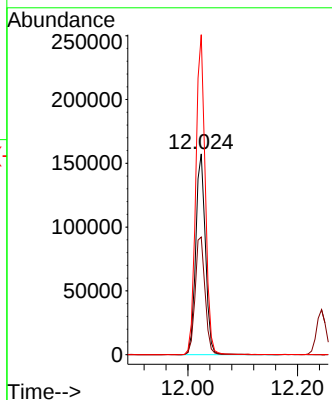
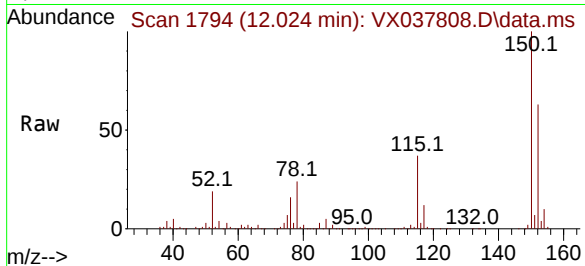




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

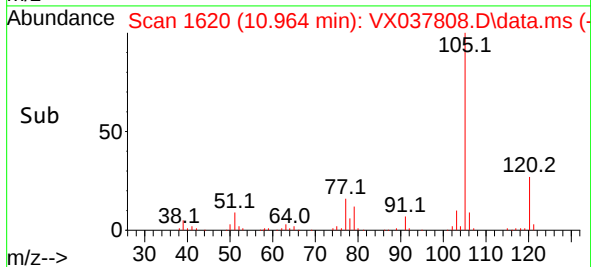
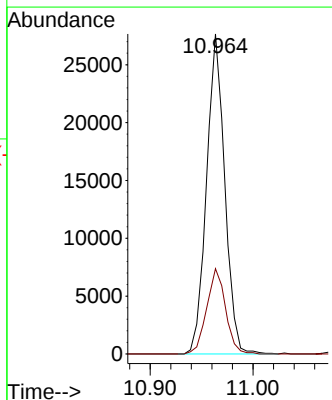
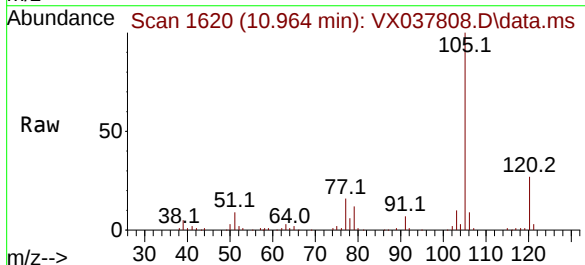
Instrument :
MSVOA_X
ClientSampleId :
MWA

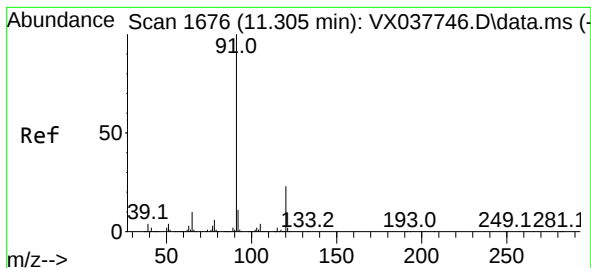
Tgt Ion:152 Resp: 193884
Ion Ratio Lower Upper
152 100
115 60.1 43.3 129.9
150 156.2 0.0 345.0



#73
Isopropylbenzene
Concen: 2.401 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037808.D
Acq: 19 Sep 2023 16:03

Tgt Ion:105 Resp: 34148
Ion Ratio Lower Upper
105 100
120 27.5 12.9 38.6





#78

n-propylbenzene

Concen: 6.726 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Instrument :

MSVOA_X

ClientSampleId :

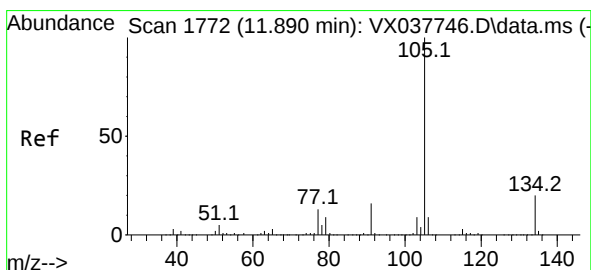
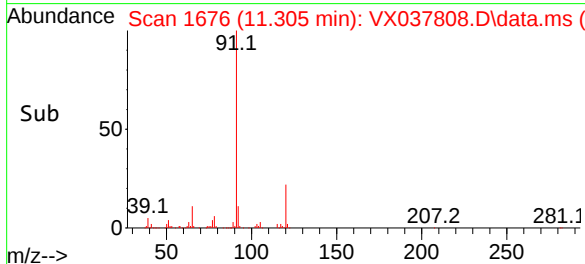
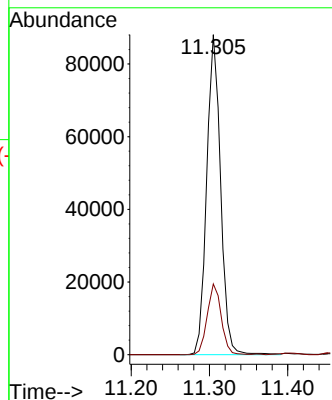
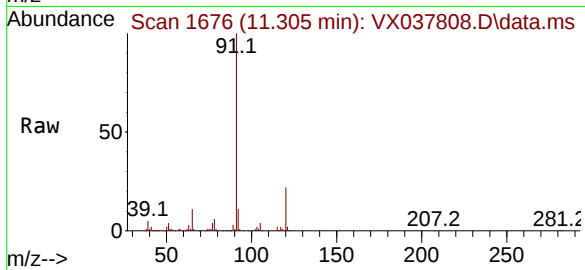
MWA

Tgt Ion: 91 Resp: 108044

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4



#85

sec-Butylbenzene

Concen: 0.456 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037808.D

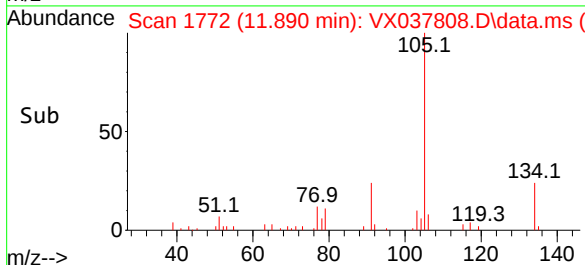
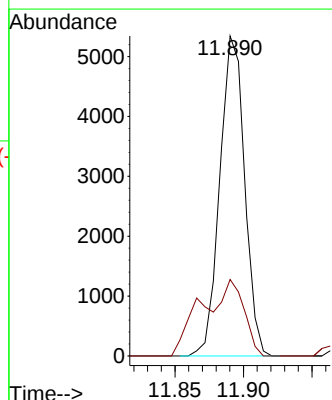
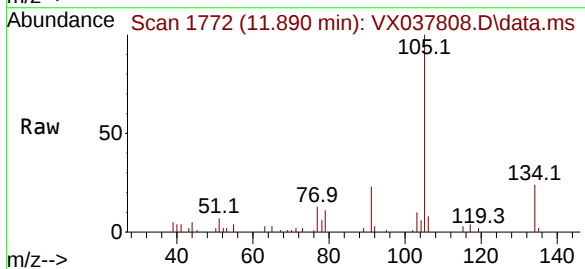
Acq: 19 Sep 2023 16:03

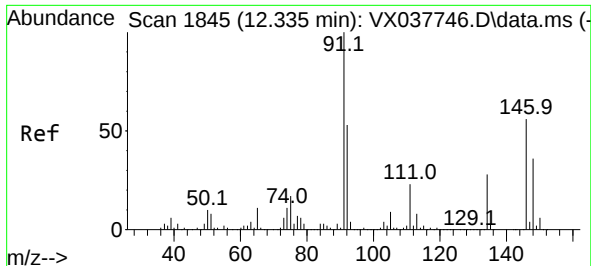
Tgt Ion: 105 Resp: 6710

Ion Ratio Lower Upper

105 100

134 22.1 9.8 29.4





#89

n-Butylbenzene

Concen: 1.027 ug/l

RT: 12.335 min Scan# 11043

Delta R.T. -0.000 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Instrument :

MSVOA_X

ClientSampleId :

MWA

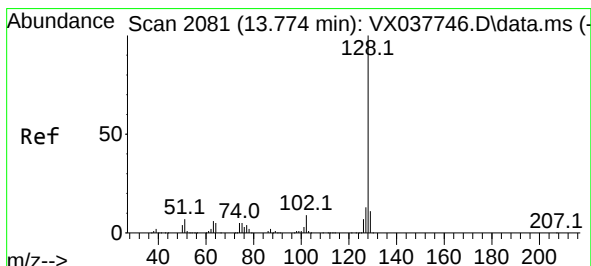
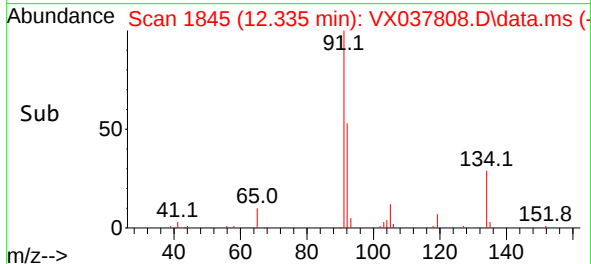
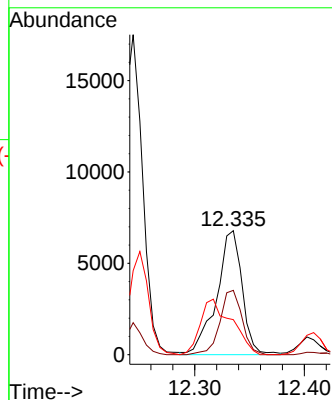
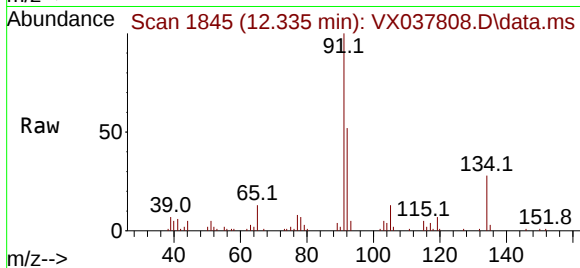
Tgt Ion: 91 Resp: 11043

Ion Ratio Lower Upper

91 100

92 45.0 27.4 82.0

134 54.5 12.6 37.8#



#95

Naphthalene

Concen: 0.399 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX037808.D

Acq: 19 Sep 2023 16:03

Tgt Ion:128 Resp: 5326

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 18.4 8.8 13.2#

