

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092923\
 Data File : VX037968.D
 Acq On : 29 Sep 2023 12:18
 Operator : JC/MD
 Sample : 04656-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-105D

Quant Time: Sep 29 23:02:54 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)

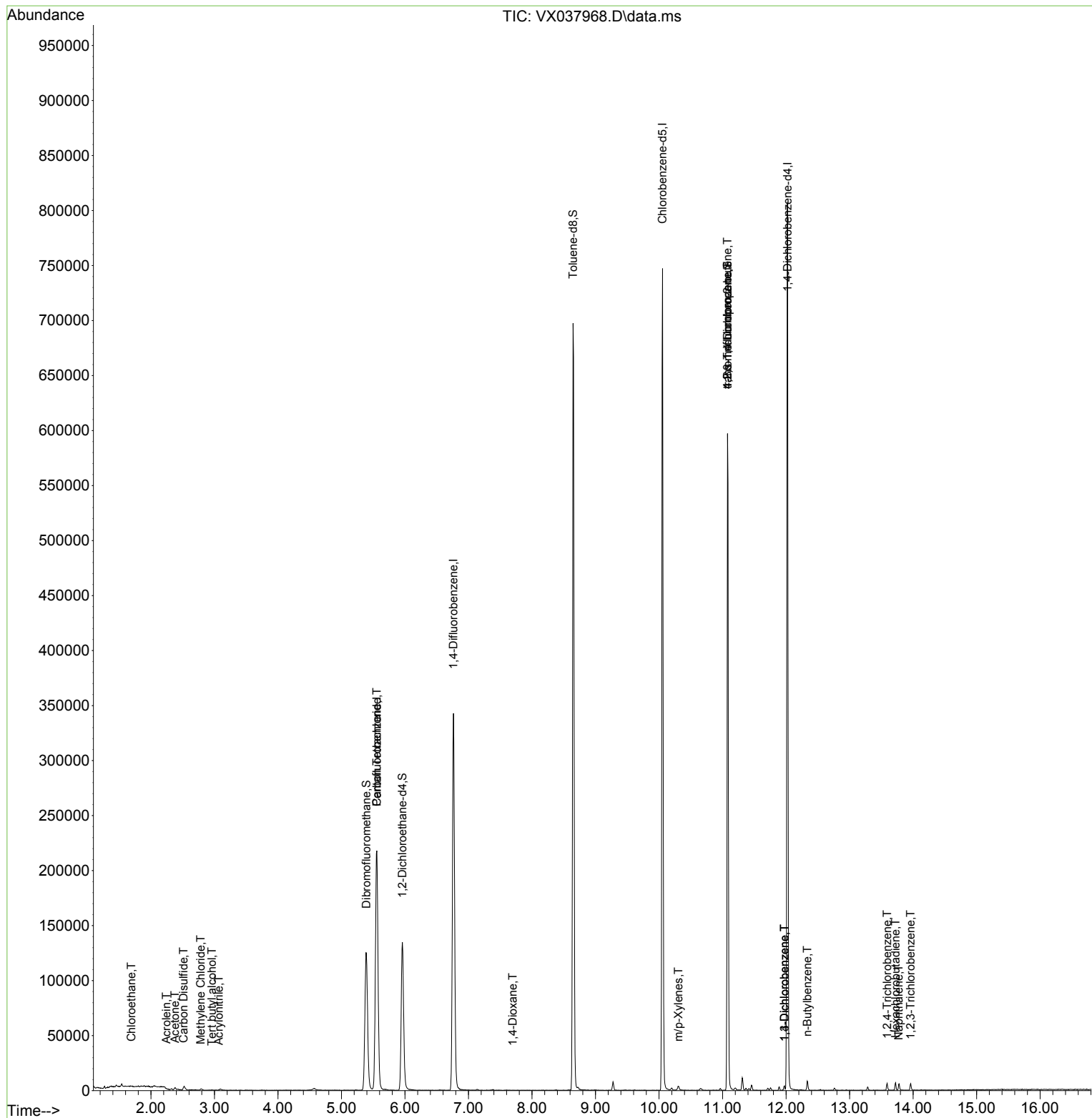
Internal Standards						
1) Pentafluorobenzene	5.556	168	212510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	358151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	342665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	130349	46.686	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.380%		
35) Dibromofluoromethane	5.391	113	110720	46.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.400%		
50) Toluene-d8	8.647	98	432189	48.538	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.080%		
62) 4-Bromofluorobenzene	11.079	95	160274	49.535	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.060%		
Target Compounds						Qvalue
6) Chloroethane	1.691	64	453	0.250	ug/l #	85
11) Tert butyl alcohol	2.959	59	216	0.360	ug/l #	78
13) Acrolein	2.239	56	400	0.676	ug/l	100
15) Acrylonitrile	3.069	53	322	0.242	ug/l #	60
16) Acetone	2.380	43	2191	1.631	ug/l	96
17) Carbon Disulfide	2.514	76	2244	0.432	ug/l #	91
20) Methylene Chloride	2.782	84	662	0.241	ug/l #	75
38) Carbon Tetrachloride	5.556	117	21306	6.168	ug/l #	14
49) 1,4-Dioxane	7.696	88	38	0.523	ug/l #	12
68) m/p-Xylenes	10.305	106	1060	0.214	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	79586	19.449	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	79586	62.304	ug/l #	5
87) 1,3-Dichlorobenzene	11.976	146	1645	0.275	ug/l	97
88) 1,4-Dichlorobenzene	11.976	146	1645	0.268	ug/l	98
89) n-Butylbenzene	12.335	91	2859	0.291	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1813	0.503	ug/l	96
94) Hexachlorobutadiene	13.725	225	1092	0.649	ug/l	97
95) Naphthalene	13.774	128	4700	0.386	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	1730	0.467	ug/l	93

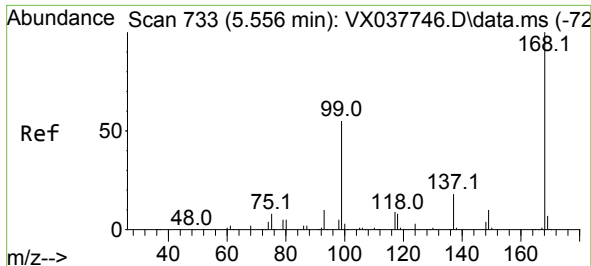
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

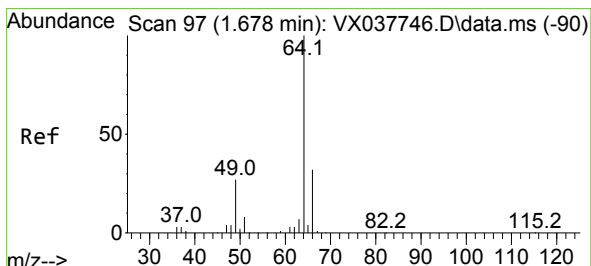
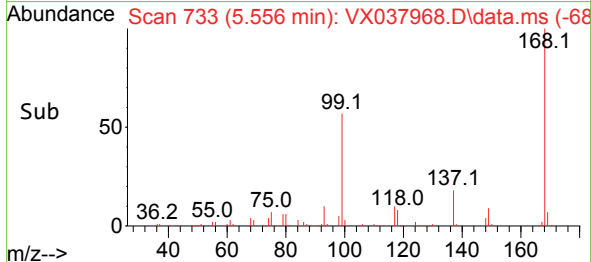
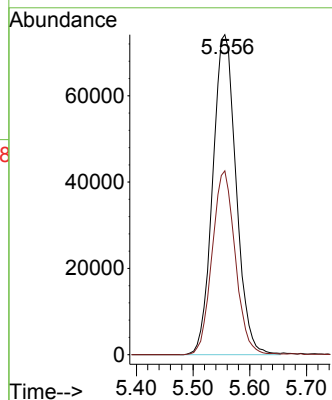
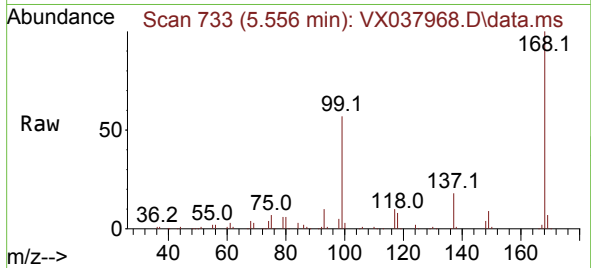




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

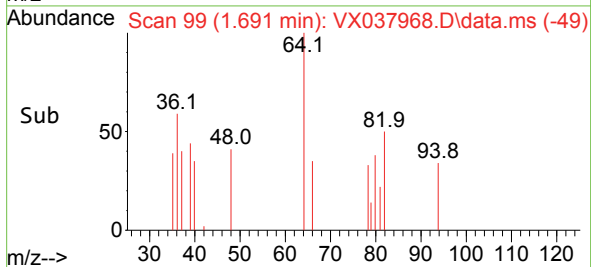
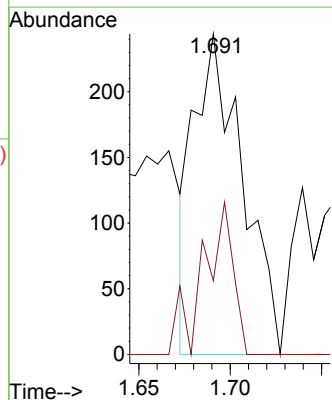
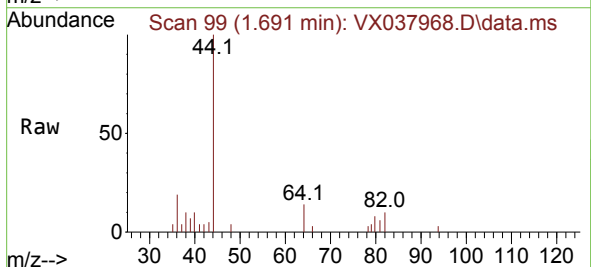
Instrument :
MSVOA_X
ClientSampleId :
MW-105D

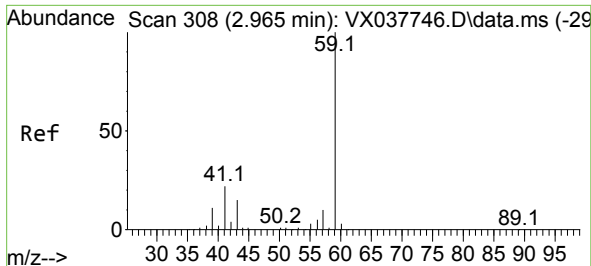
Tgt Ion:168 Resp: 212510
Ion Ratio Lower Upper
168 100
99 57.5 56.6 85.0



#6
Chloroethane
Concen: 0.250 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

Tgt Ion: 64 Resp: 453
Ion Ratio Lower Upper
64 100
66 23.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.360 ug/l

RT: 2.959 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

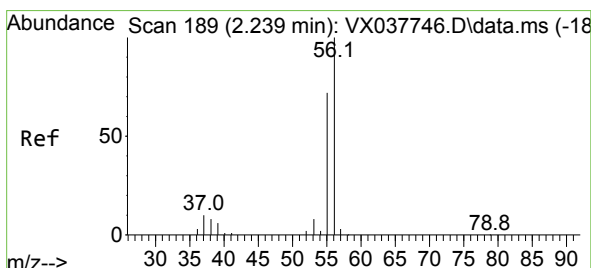
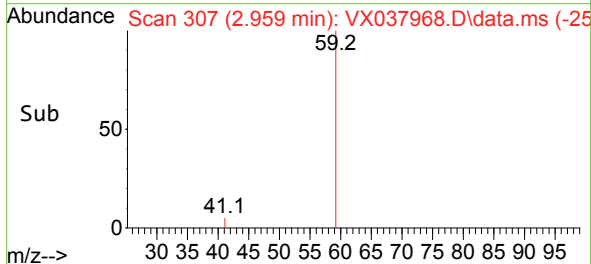
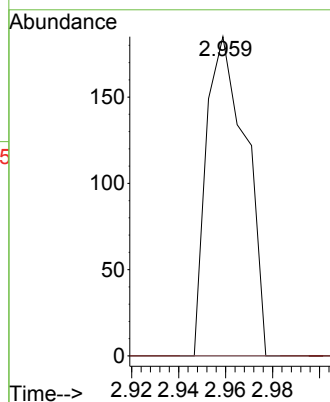
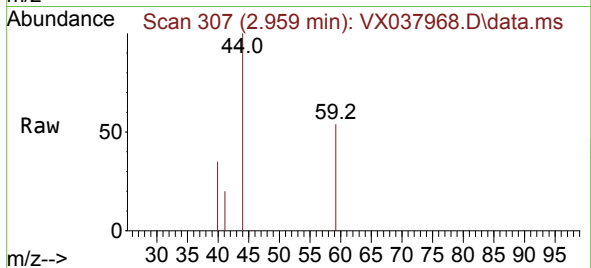
MW-105D

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.676 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX037968.D

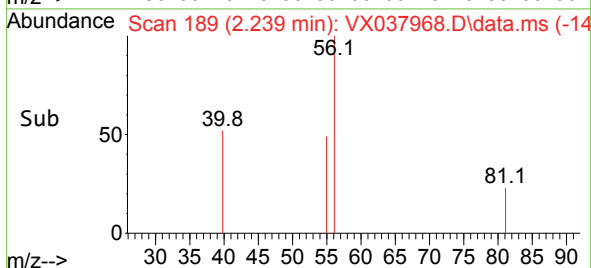
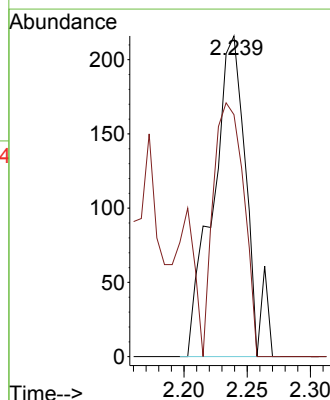
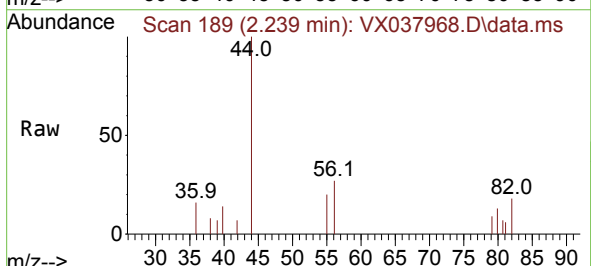
Acq: 29 Sep 2023 12:18

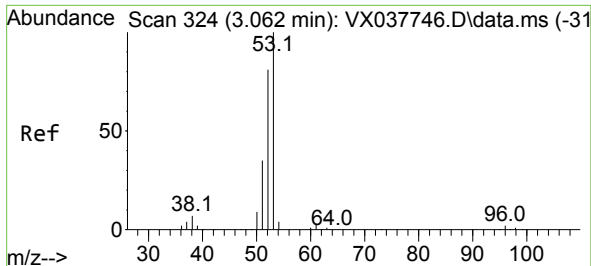
Tgt Ion: 56 Resp: 400

Ion Ratio Lower Upper

56 100

55 71.3 57.1 85.7





#15

Acrylonitrile

Concen: 0.242 ug/l

RT: 3.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

MW-105D

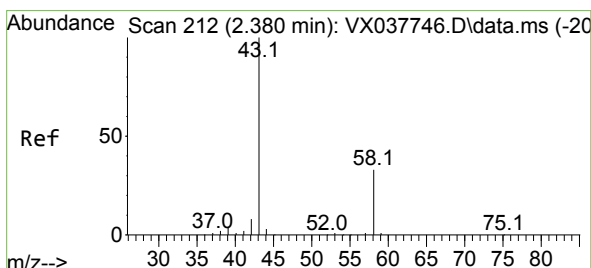
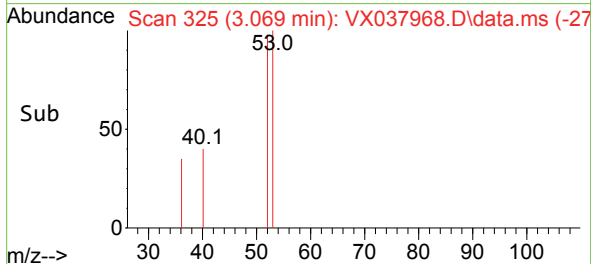
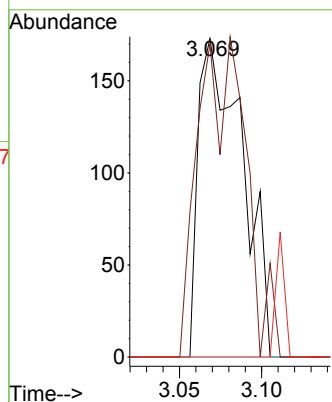
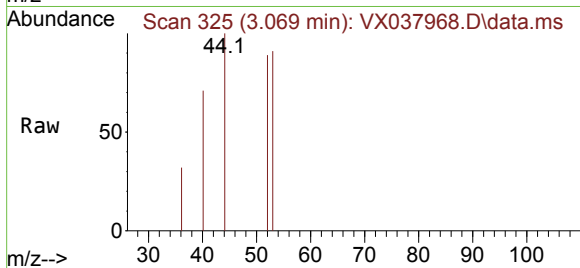
Tgt Ion: 53 Resp: 322

Ion Ratio Lower Upper

53 100

52 56.2 66.0 99.0#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 1.631 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037968.D

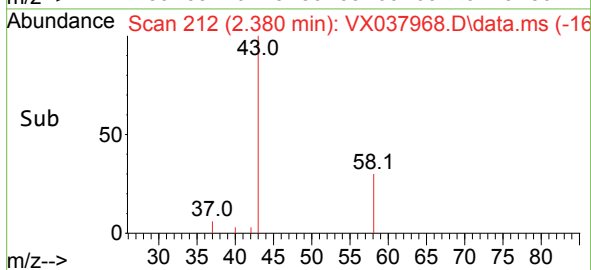
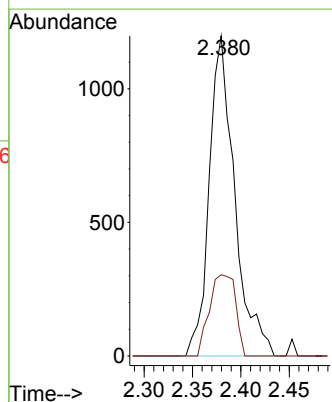
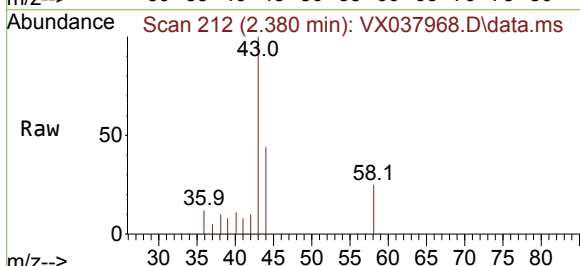
Acq: 29 Sep 2023 12:18

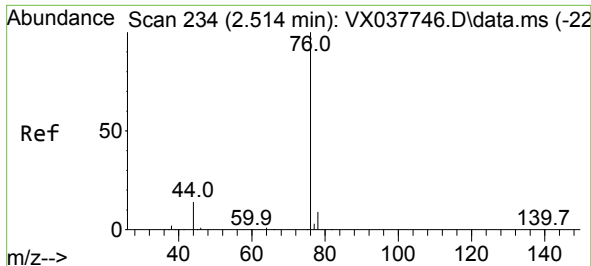
Tgt Ion: 43 Resp: 2191

Ion Ratio Lower Upper

43 100

58 25.4 21.9 32.9

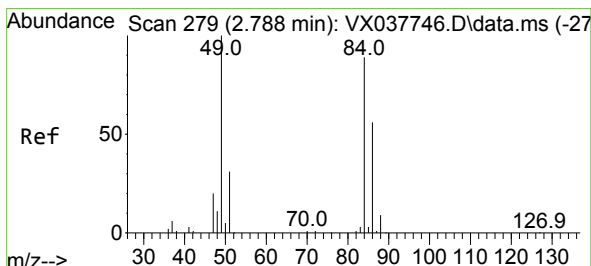
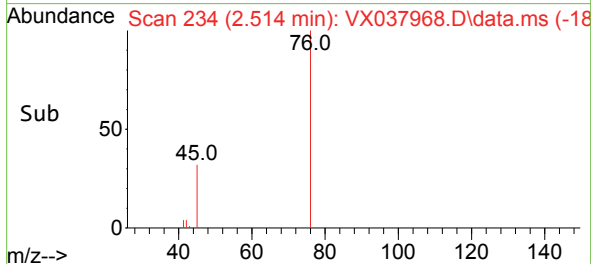
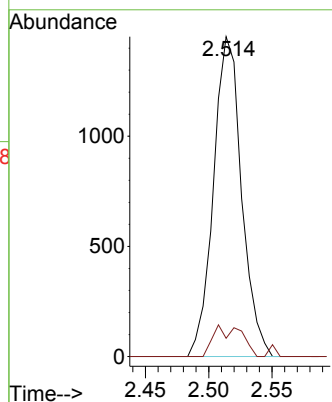
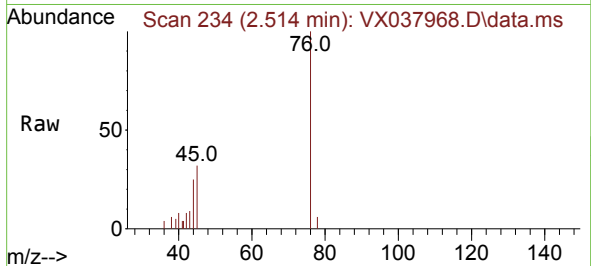




#17
Carbon Disulfide
Concen: 0.432 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

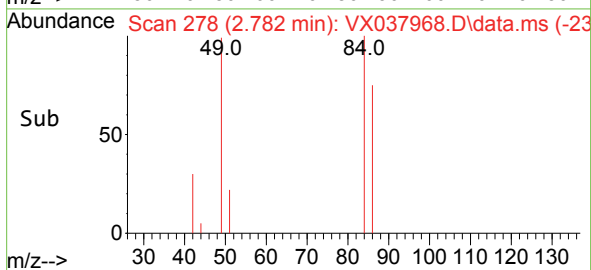
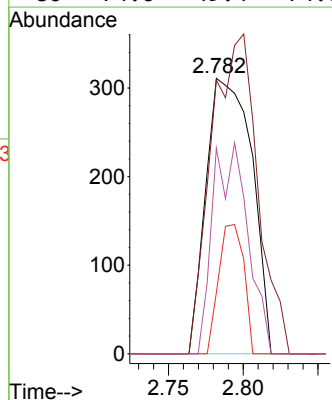
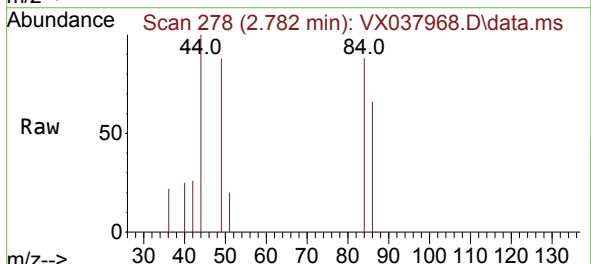
Instrument :
MSVOA_X
ClientSampleId :
MW-105D

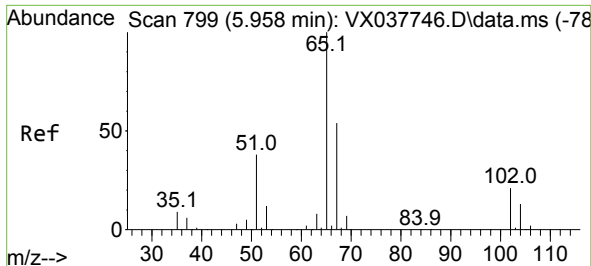
Tgt Ion: 76 Resp: 2244
Ion Ratio Lower Upper
76 100
78 5.7 7.0 10.6#



#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

Tgt Ion: 84 Resp: 662
Ion Ratio Lower Upper
84 100
49 99.4 103.6 155.4#
51 22.2 33.8 50.6#
86 74.6 49.4 74.0#

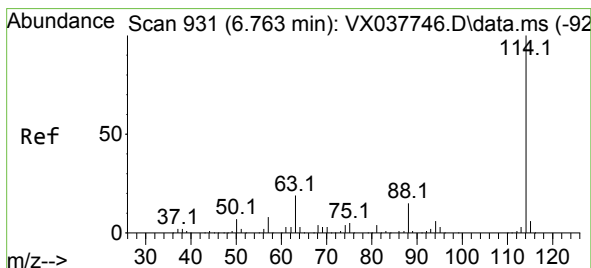
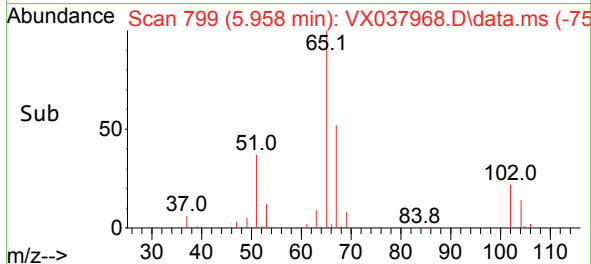
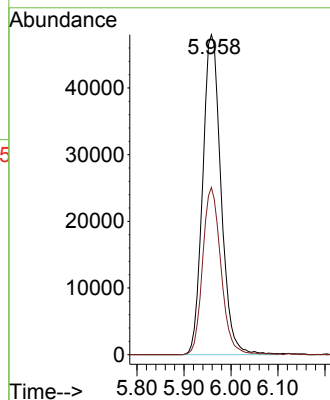
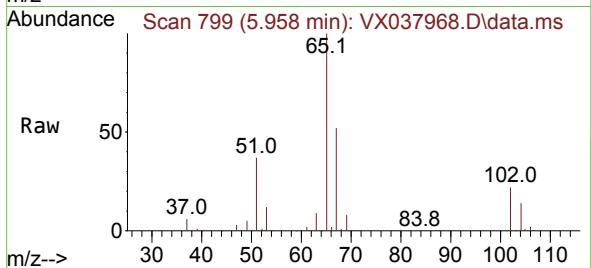




#33
1,2-Dichloroethane-d4
Concen: 46.686 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

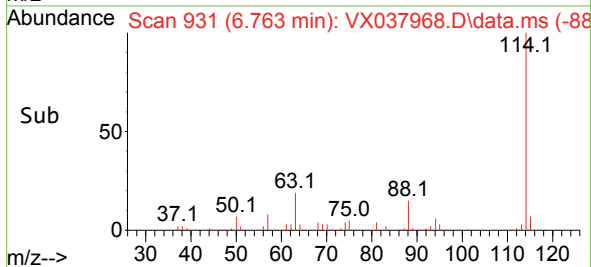
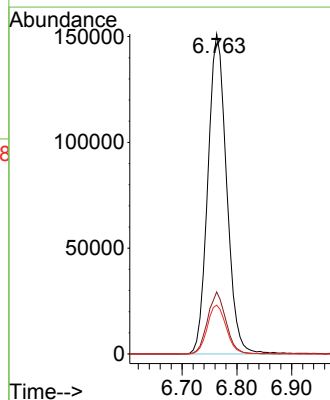
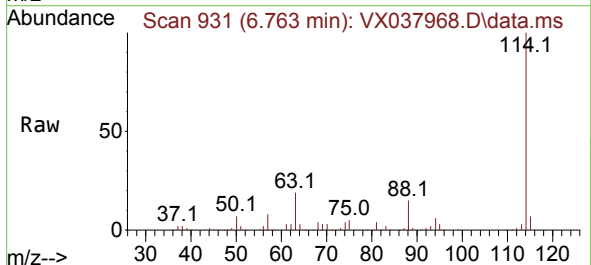
Instrument :
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ClientSampleId :
MW-105D

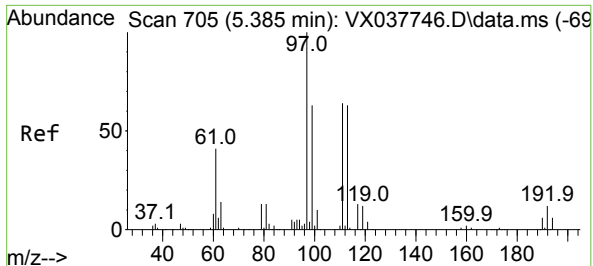
Tgt Ion: 65 Resp: 130349
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

Tgt Ion: 114 Resp: 358151
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 15.2 0.0 36.6

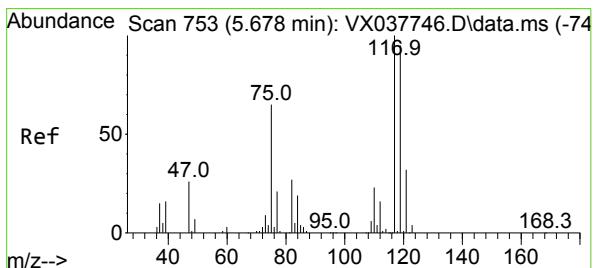
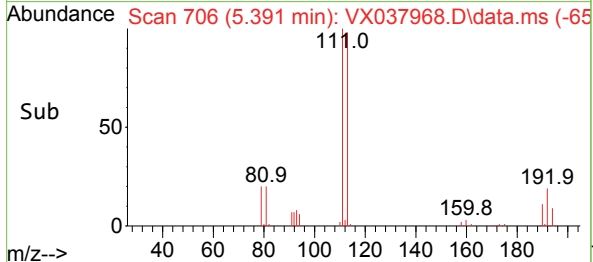
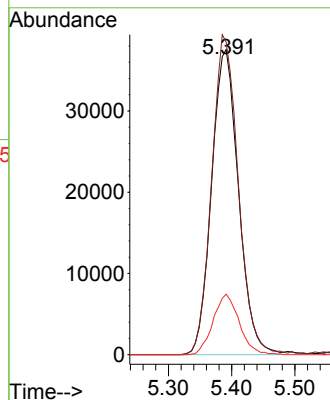
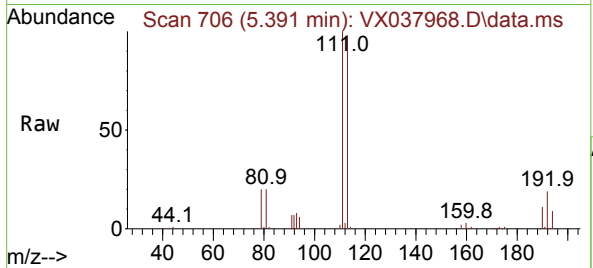




#35
Dibromofluoromethane
Concen: 46.203 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

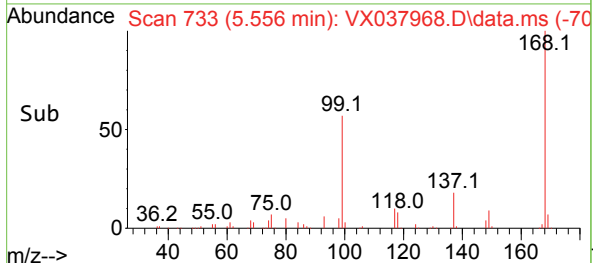
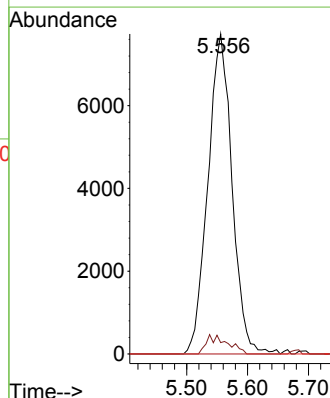
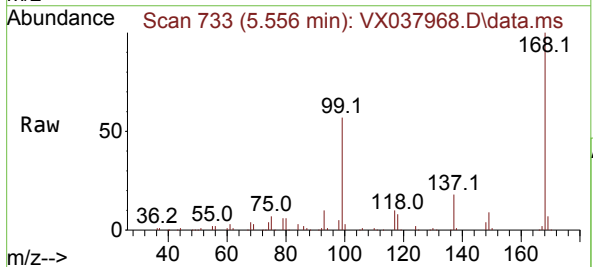
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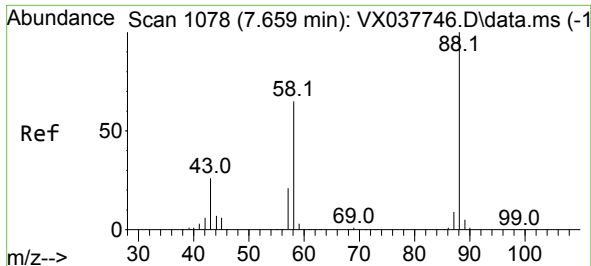
Tgt Ion:113 Resp: 110720
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 19.3 13.3 19.9



#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

Tgt Ion:117 Resp: 21306
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.523 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.024 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

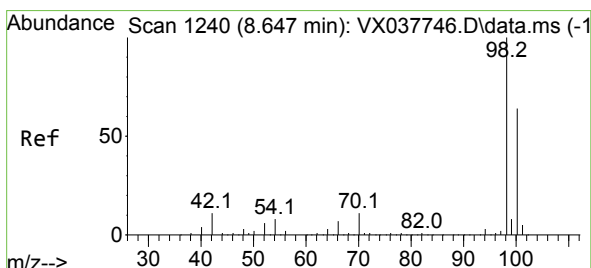
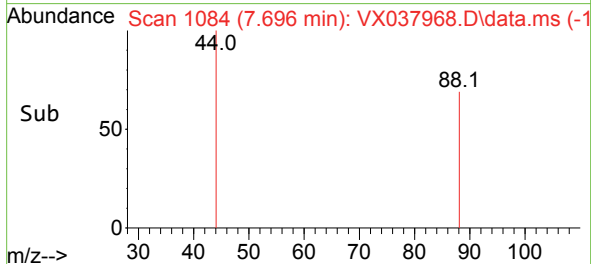
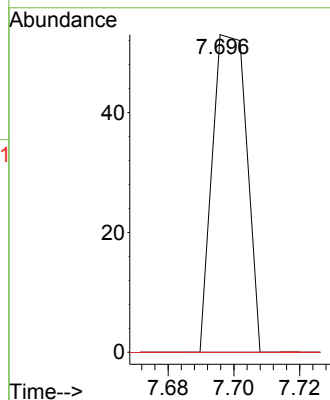
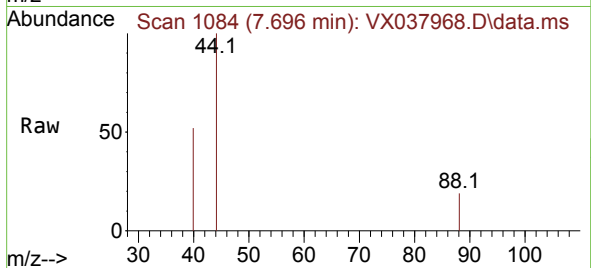
Instrument :

MSVOA_X

ClientSampleId :

MW-105D

Tgt Ion: 88	Resp:	38
Ion	Ratio	Lower Upper
88	100	
43	0.0	0.0 0.0
58	0.0	60.1 90.1



#50

Toluene-d8

Concen: 48.538 ug/l

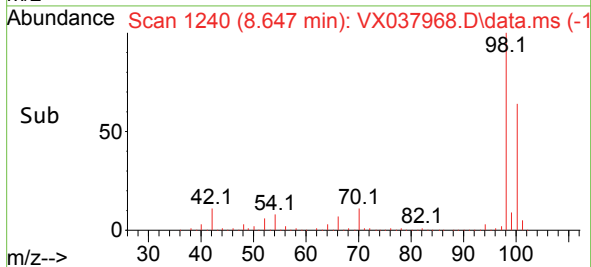
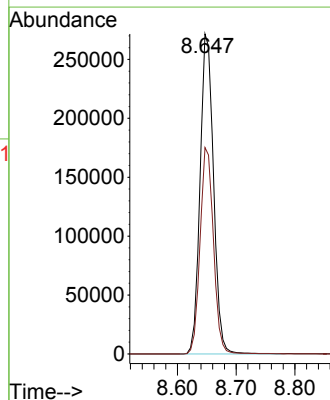
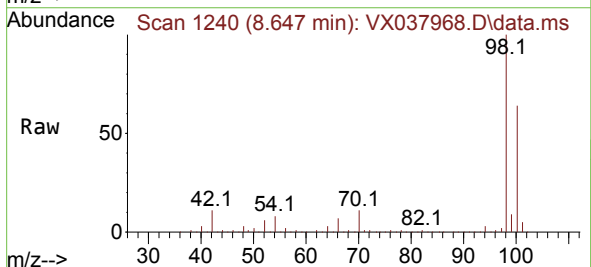
RT: 8.647 min Scan# 1240

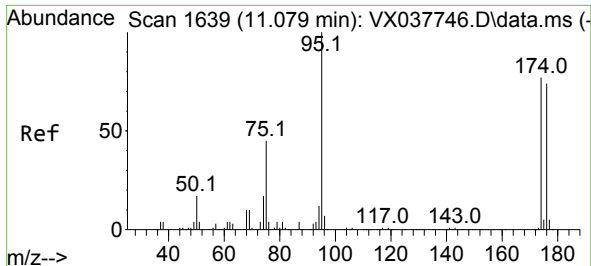
Delta R.T. 0.000 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

Tgt Ion: 98	Resp:	432189
Ion	Ratio	Lower Upper
98	100	
100	64.2	53.1 79.7

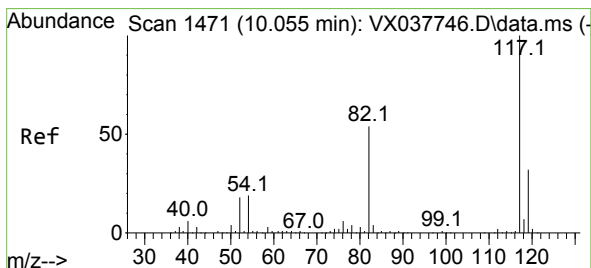
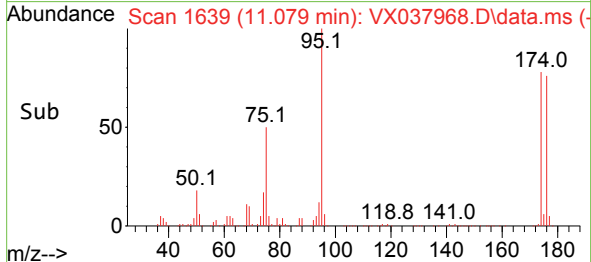
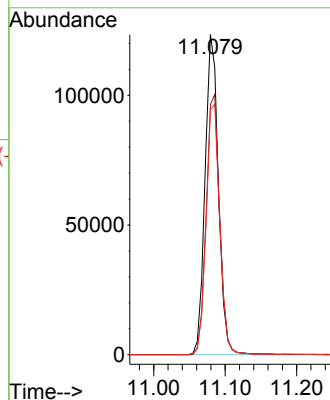
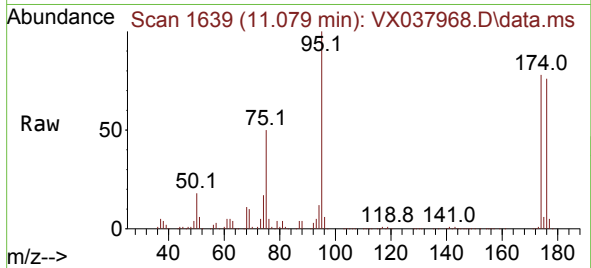




#62
4-Bromofluorobenzene
Concen: 49.535 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

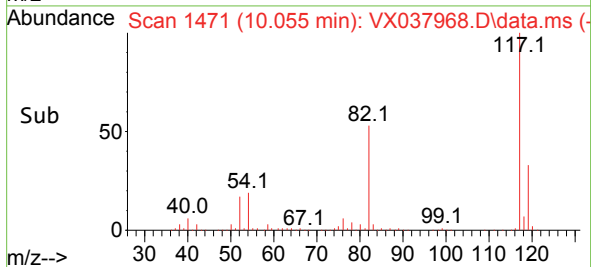
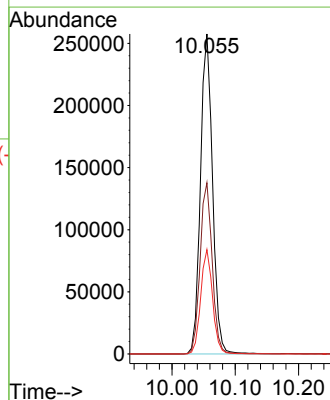
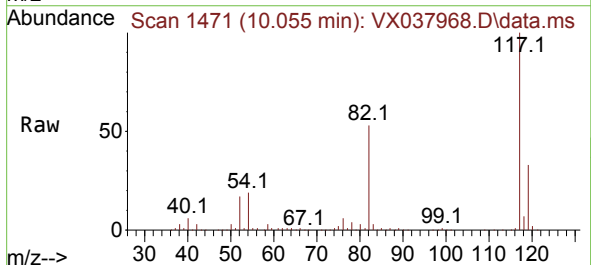
Instrument :
MSVOA_X
ClientSampleId :
MW-105D

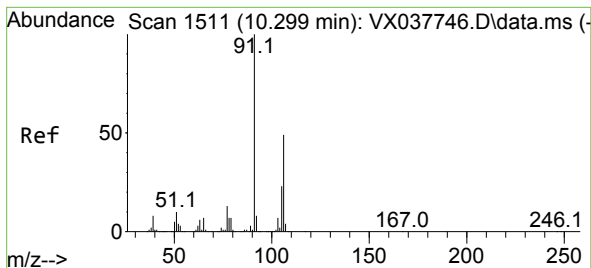
Tgt Ion: 95 Resp: 160274
Ion Ratio Lower Upper
95 100
174 82.6 0.0 135.6
176 79.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

Tgt Ion: 117 Resp: 342665
Ion Ratio Lower Upper
117 100
82 53.5 46.2 69.4
119 32.6 25.5 38.3

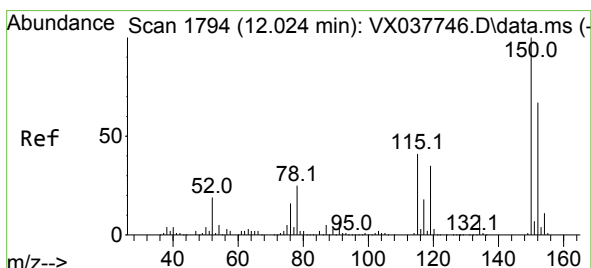
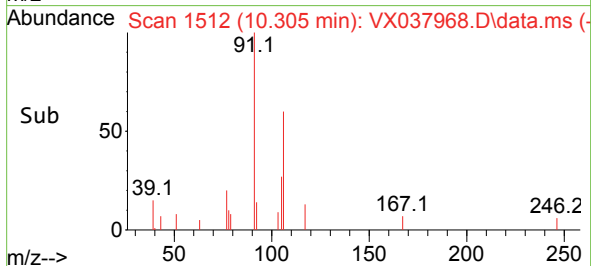
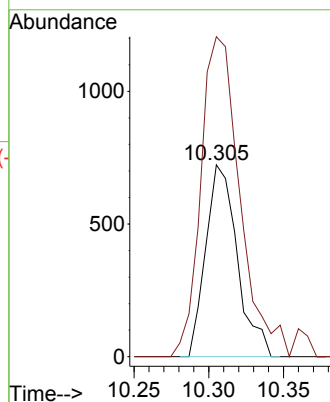
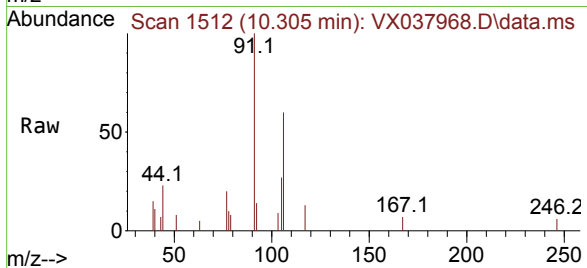




#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

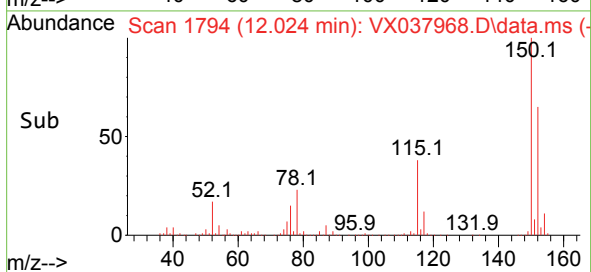
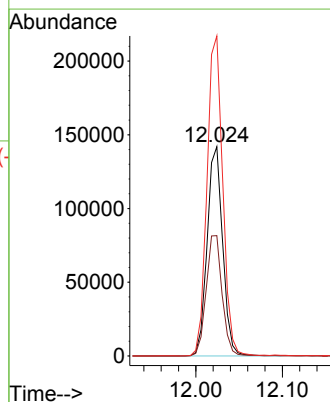
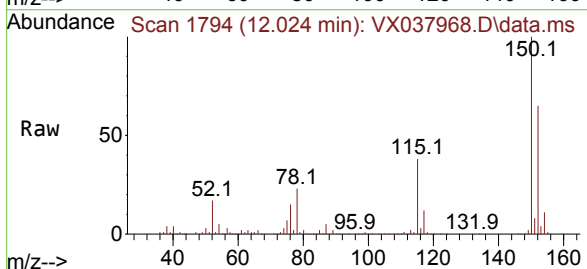
Instrument :
MSVOA_X
ClientSampleId :
MW-105D

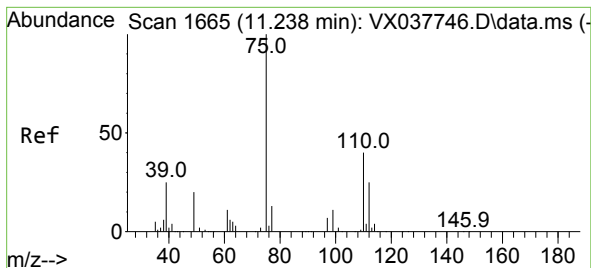
Tgt Ion:106 Resp: 1060
Ion Ratio Lower Upper
106 100
91 206.6 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

Tgt Ion:152 Resp: 176918
Ion Ratio Lower Upper
152 100
115 59.2 43.3 129.9
150 154.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.449 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

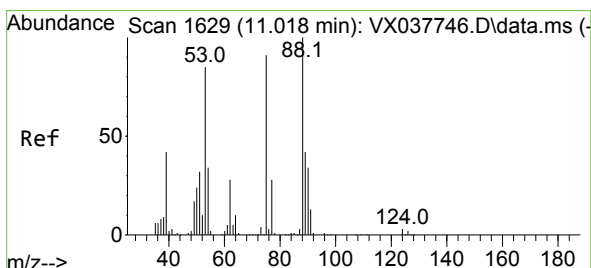
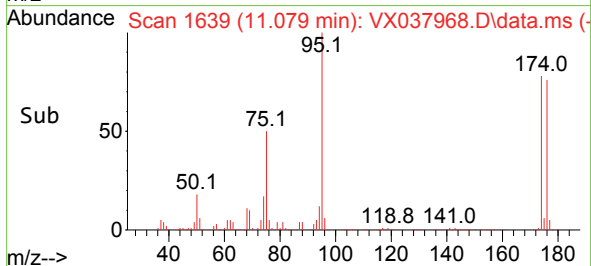
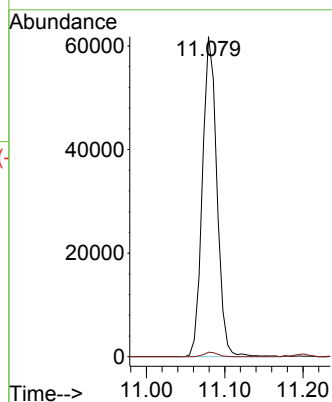
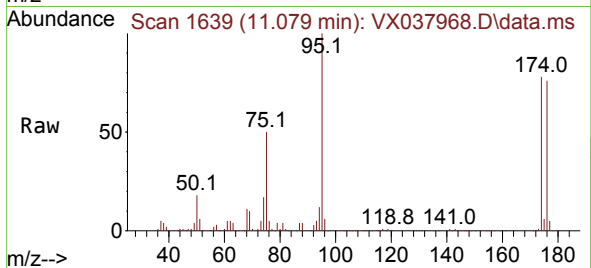
MW-105D

Tgt Ion: 75 Resp: 79586

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.304 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

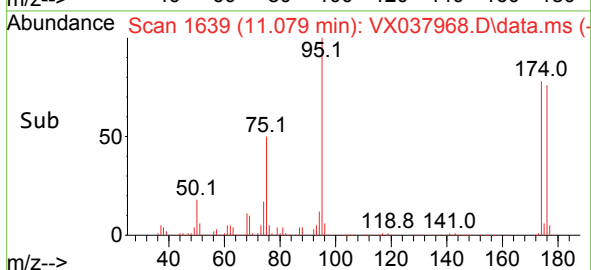
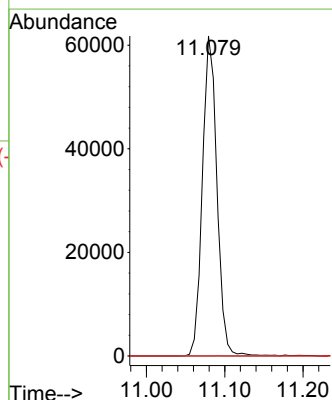
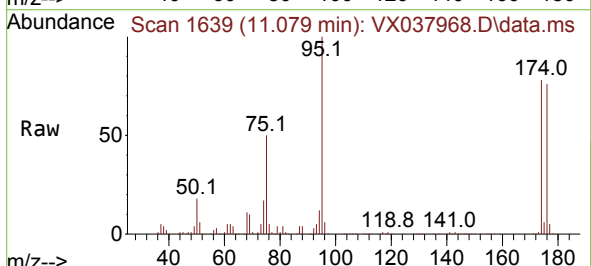
Tgt Ion: 75 Resp: 79586

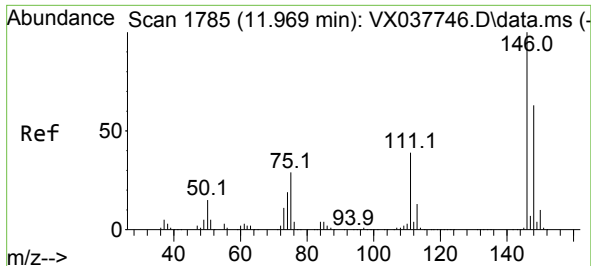
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.275 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

MW-105D

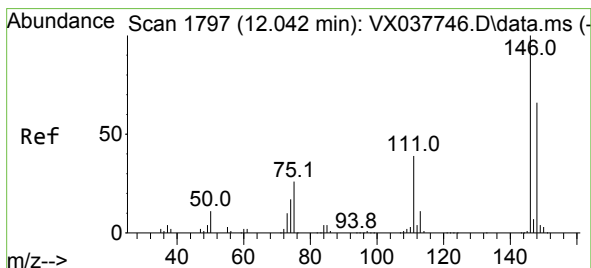
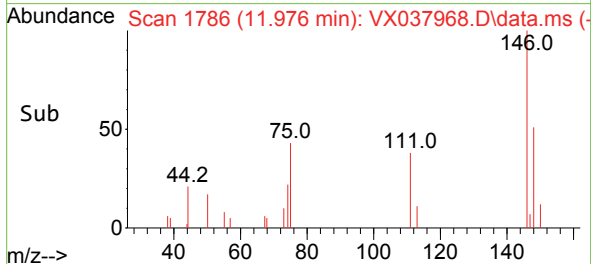
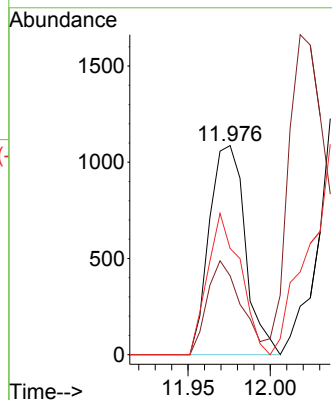
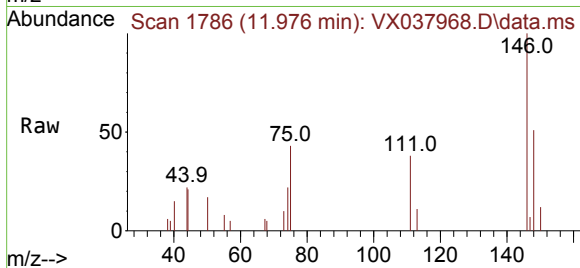
Tgt Ion:146 Resp: 1645

Ion Ratio Lower Upper

146 100

111 42.1 22.1 66.1

148 61.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.268 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

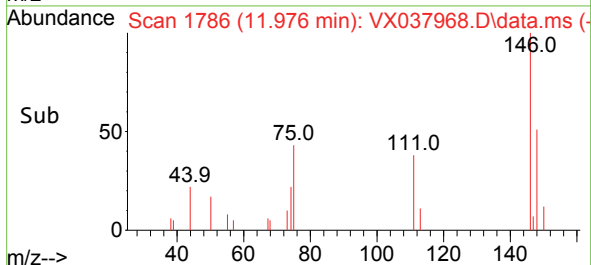
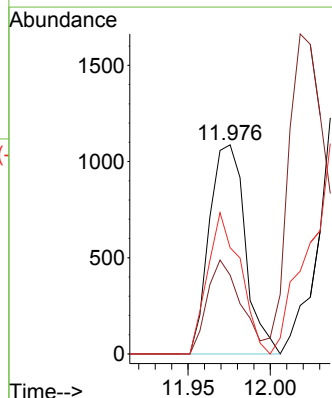
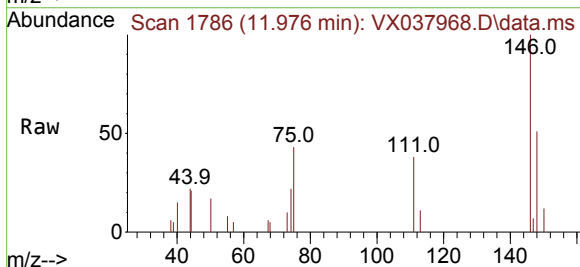
Tgt Ion:146 Resp: 1645

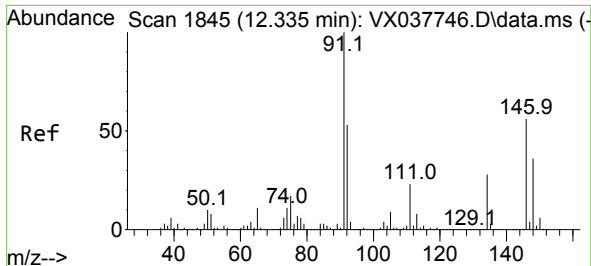
Ion Ratio Lower Upper

146 100

111 42.1 21.3 63.7

148 61.6 31.8 95.4





#89

n-Butylbenzene

Concen: 0.291 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

MW-105D

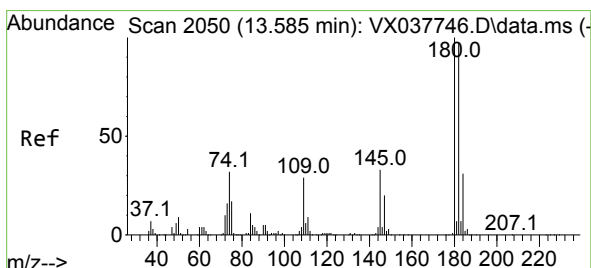
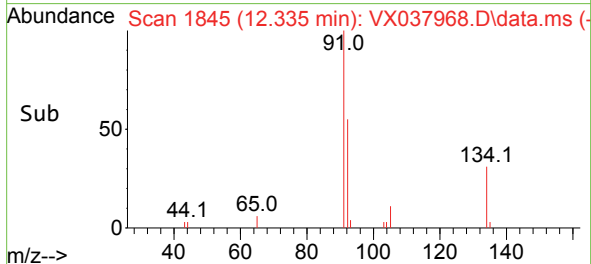
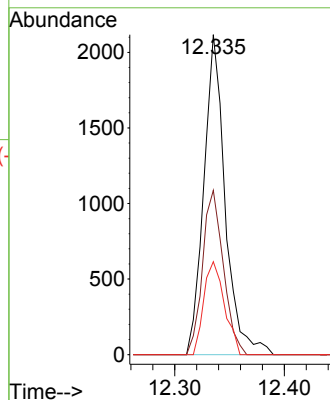
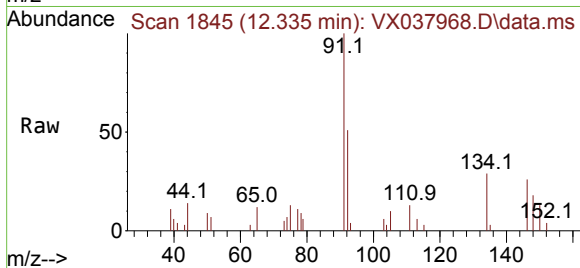
Tgt Ion: 91 Resp: 2859

Ion Ratio Lower Upper

91 100

92 50.1 27.4 82.0

134 28.1 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.503 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037968.D

Acq: 29 Sep 2023 12:18

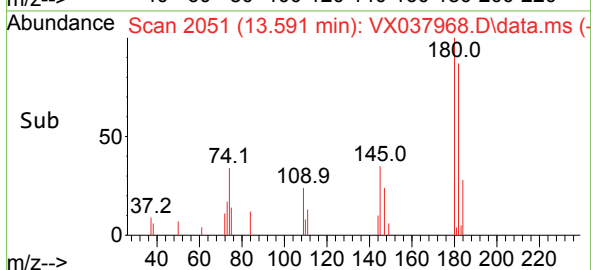
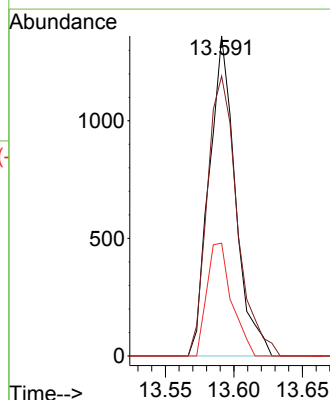
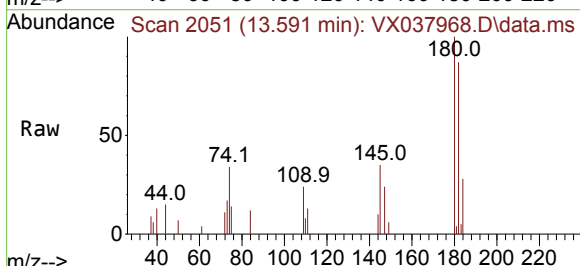
Tgt Ion: 180 Resp: 1813

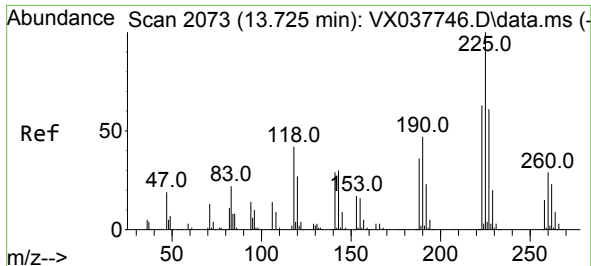
Ion Ratio Lower Upper

180 100

182 99.9 48.3 144.8

145 33.3 18.0 54.0

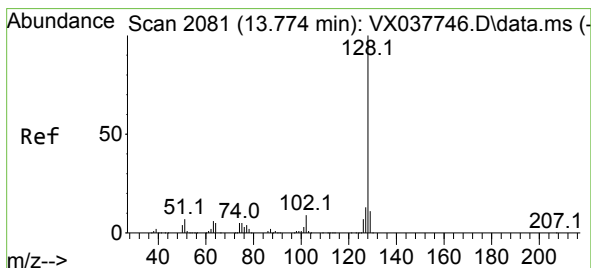
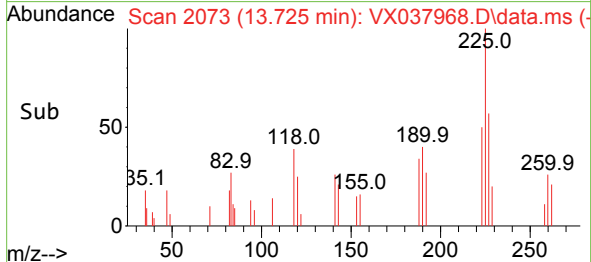
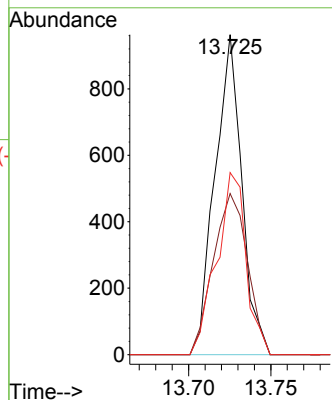
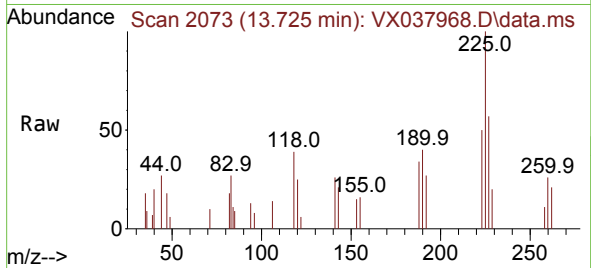




#94
Hexachlorobutadiene
Concen: 0.649 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

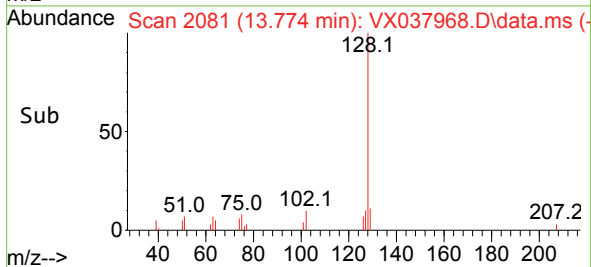
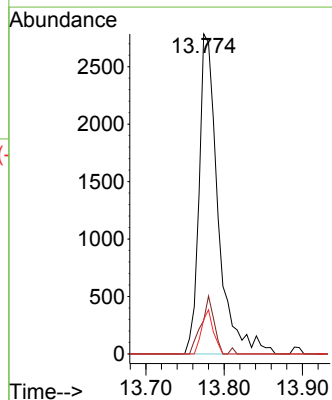
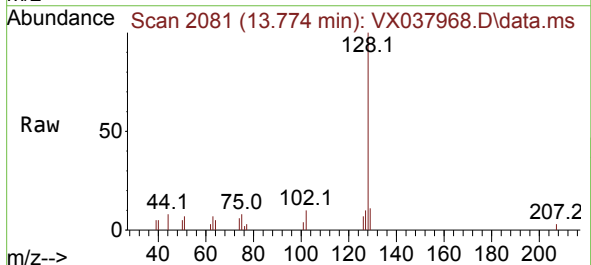
Instrument :
MSVOA_X
ClientSampleId :
MW-105D

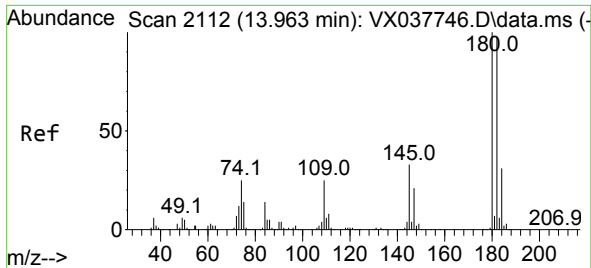
Tgt Ion:225 Resp: 1092
Ion Ratio Lower Upper
225 100
223 64.3 31.1 93.2
227 62.6 32.5 97.5



#95
Naphthalene
Concen: 0.386 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX037968.D
Acq: 29 Sep 2023 12:18

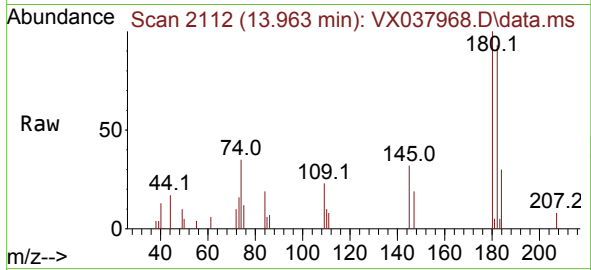
Tgt Ion:128 Resp: 4700
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 8.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.467 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX037968.D
 Acq: 29 Sep 2023 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-105D



Tgt Ion:180 Resp: 1730
 Ion Ratio Lower Upper
 180 100
 182 101.1 46.9 140.6
 145 32.5 17.8 53.5

