

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018442.D
 Acq On : 16 Sep 2020 16:05
 Operator : JC/SP
 Sample : L3988-25
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW1011-20200910

Quant Time: Sep 17 05:02:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	442001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	704172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	677472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	343564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	313098	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	5.46	113	242250	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.70	98	867495	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.12	95	320858	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

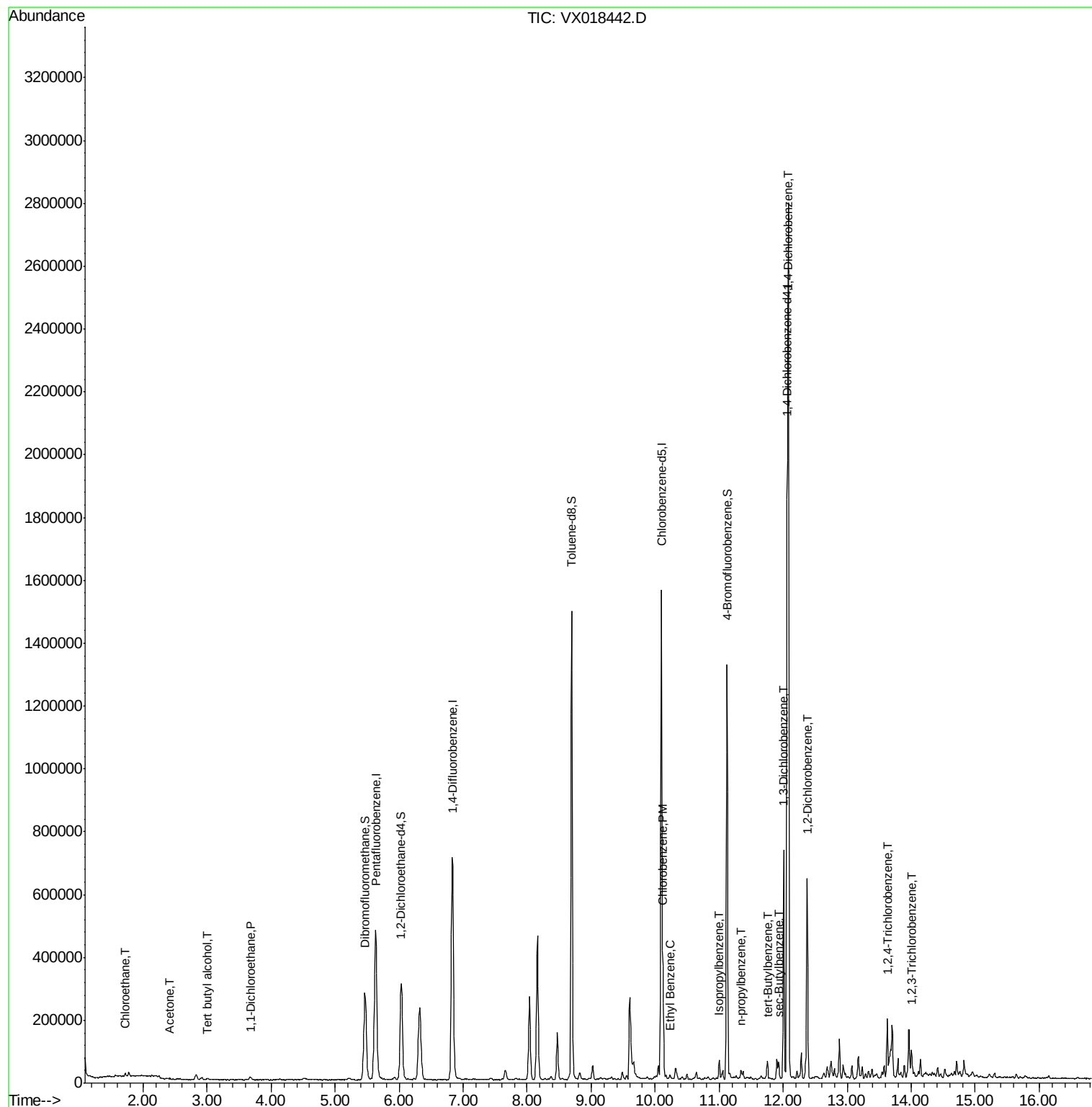
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	4905	1.617	ug/l	89
11) Tert butyl alcohol	3.01	59	4931	4.133	ug/l	96
16) Acetone	2.42	43	3889	1.627	ug/l	97
24) 1,1-Dichloroethane	3.67	63	11520	1.321	ug/l #	90
65) Chlorobenzene	10.12	112	140562	10.388	ug/l	97
67) Ethyl Benzene	10.24	91	4959	0.216	ug/l #	87
73) Isopropylbenzene	11.00	105	30018	1.325	ug/l	93
78) n-propylbenzene	11.35	91	14052	0.546	ug/l	96
83) tert-Butylbenzene	11.76	119	18444	1.004	ug/l	77
85) sec-Butylbenzene	11.93	105	27903	1.335	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	237028	21.552	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	780058	70.837	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	206551	19.951	ug/l	100
93) 1,2,4-Trichlorobenzene	13.63	180	39207	5.679	ug/l	94
96) 1,2,3-Trichlorobenzene	14.00	180	17006	2.493	ug/l #	59

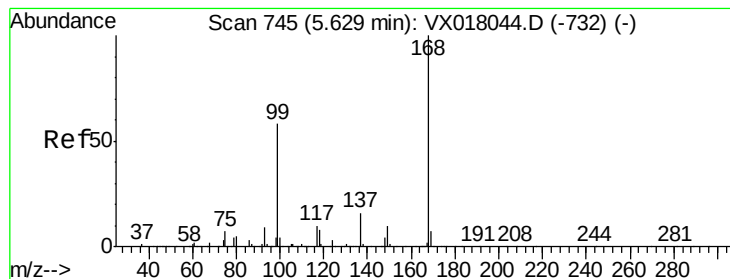
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

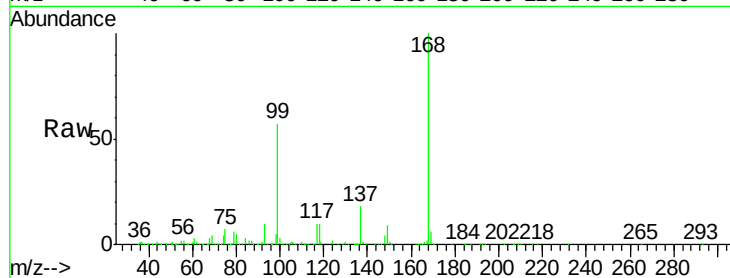
FC-MW1011-20200910

Tot Ion:168 Resp: 442001

Ion Ratio Lower Upper

168 100

99 57.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

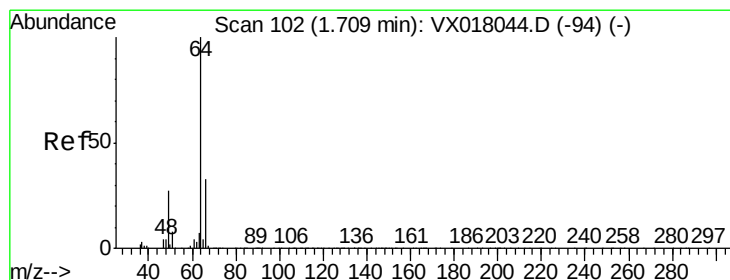
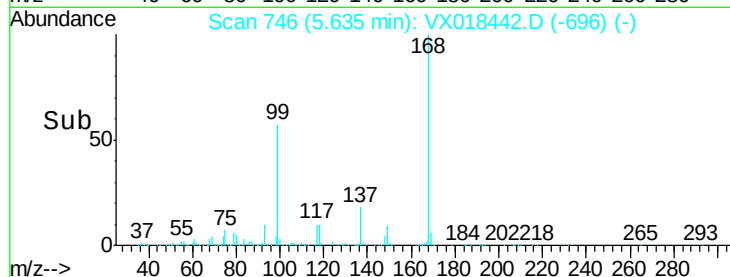
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 1.617 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018442.D

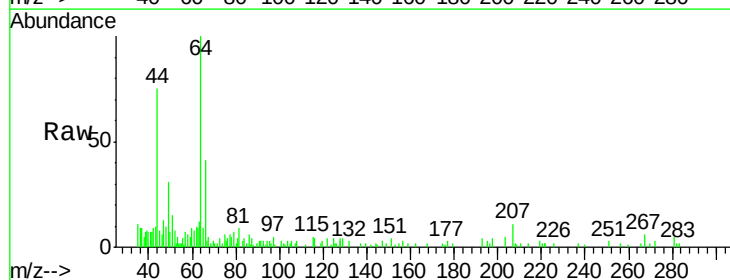
Acq: 16 Sep 2020 16:05

Tgt Ion: 64 Resp: 4905

Ion Ratio Lower Upper

64 100

66 39.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

4000

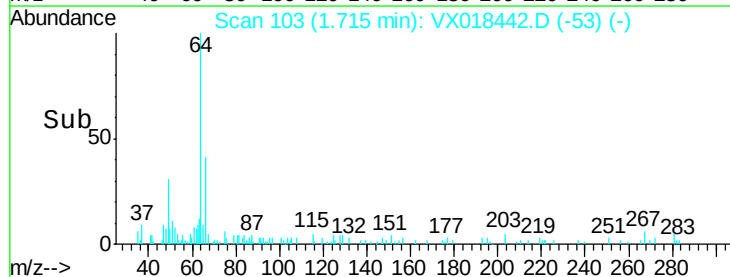
3000

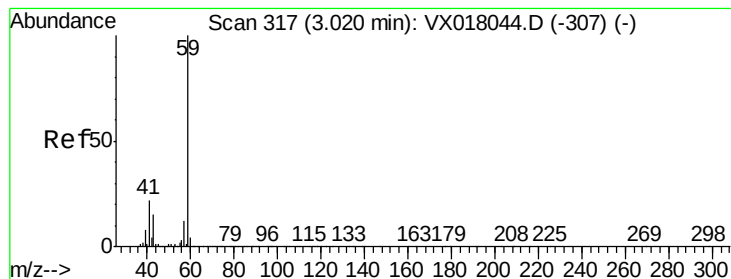
2000

1000

0

Time-->





#11

Tert butyl alcohol

Concen: 4.133 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

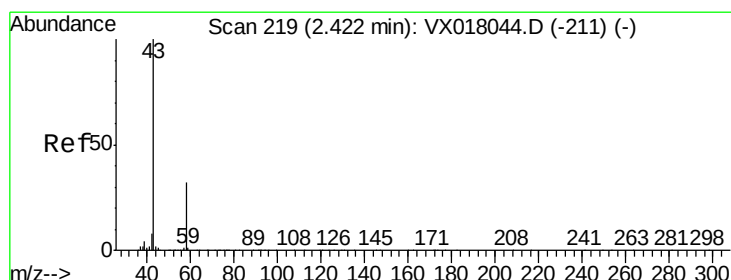
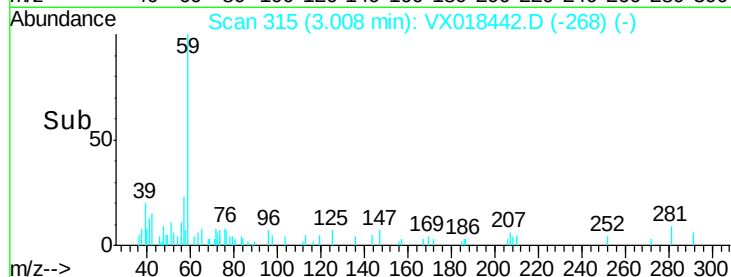
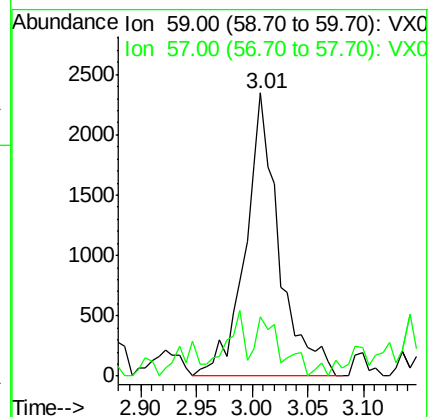
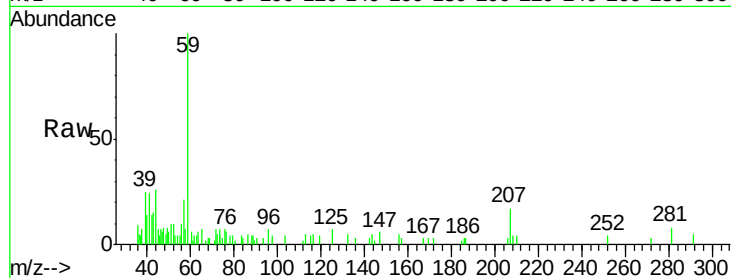
FC-MW1011-20200910

Tot Ion: 59 Resp: 4931

Ion Ratio Lower Upper

59 100

57 9.4 8.9 13.3



#16

Acetone

Concen: 1.627 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018442.D

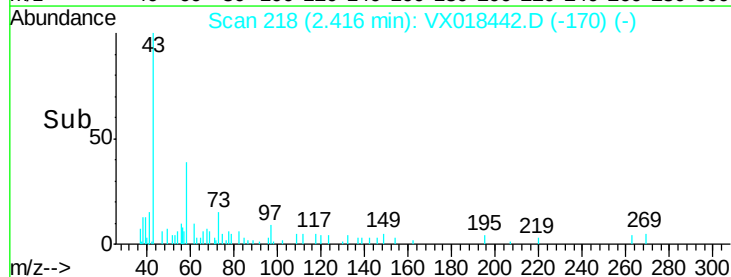
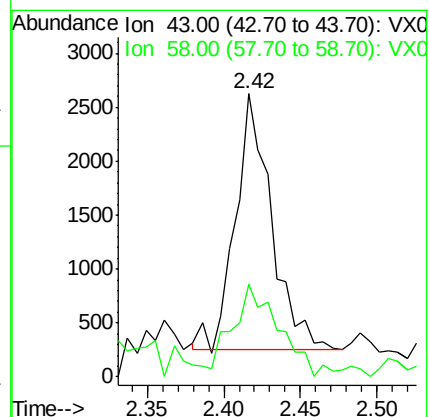
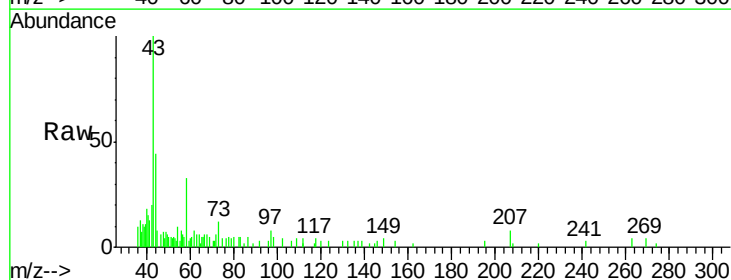
Acq: 16 Sep 2020 16:05

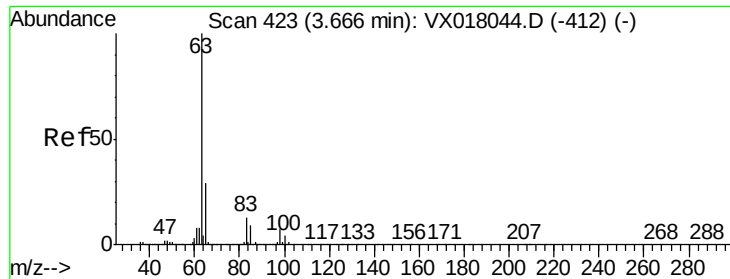
Tgt Ion: 43 Resp: 3889

Ion Ratio Lower Upper

43 100

58 33.5 25.5 38.3





#24

1,1-Dichloroethane

Concen: 1.321 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

FC-MW1011-20200910

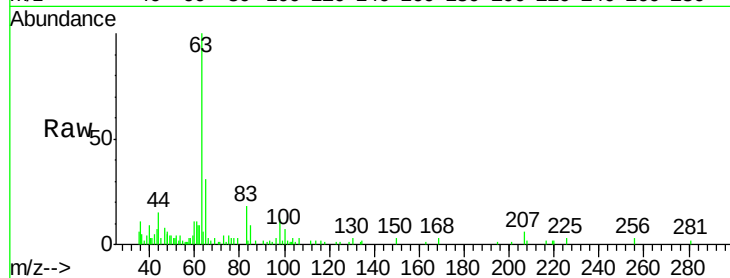
Tot Ion: 63 Resp: 11520

Ion Ratio Lower Upper

63 100

98 11.7 3.6 10.8#

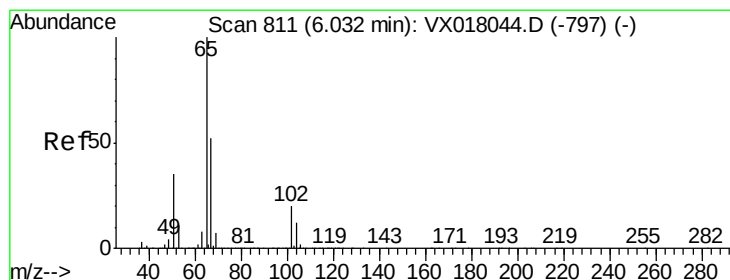
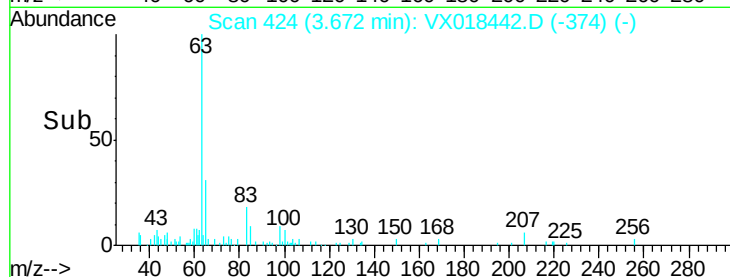
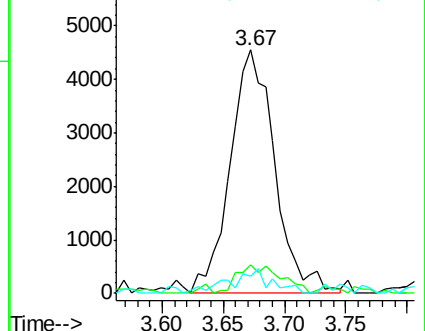
100 5.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.026 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018442.D

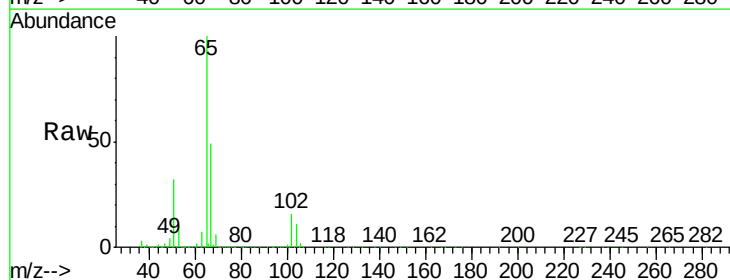
Acq: 16 Sep 2020 16:05

Tgt Ion: 65 Resp: 313098

Ion Ratio Lower Upper

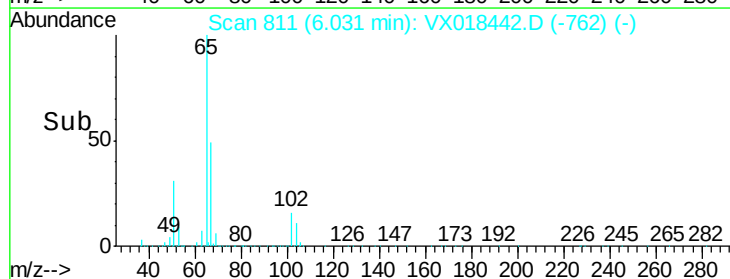
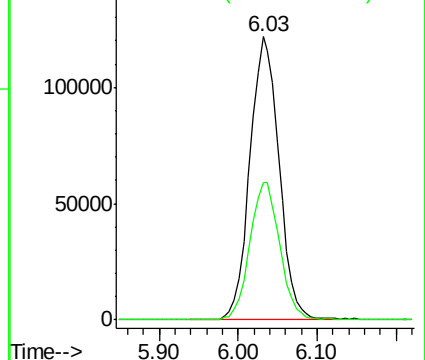
65 100

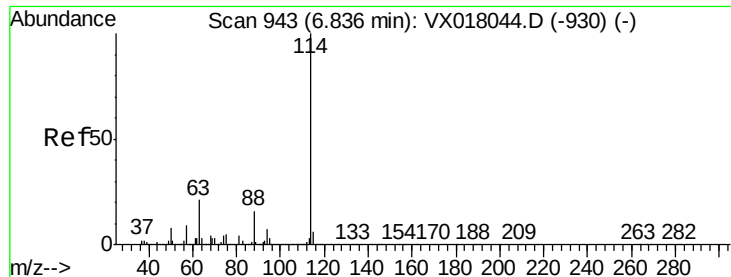
67 50.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

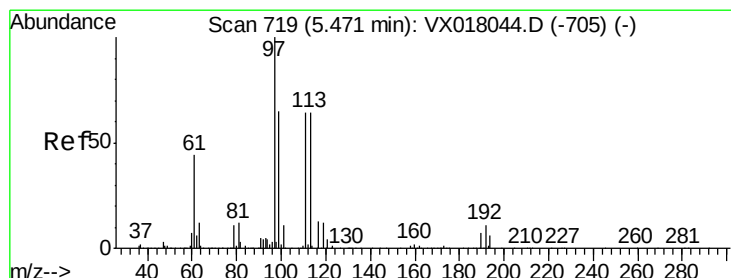
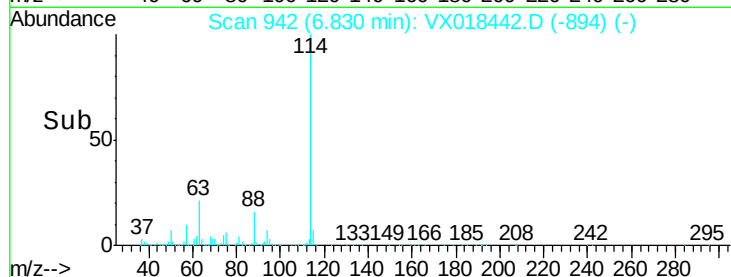
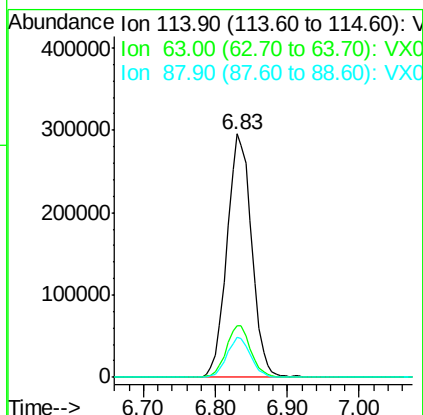
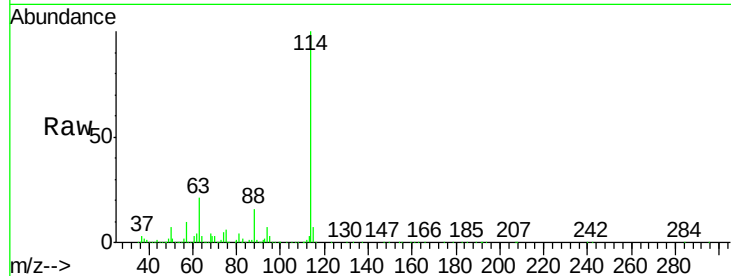




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018442.D
 Acq: 16 Sep 2020 16:05

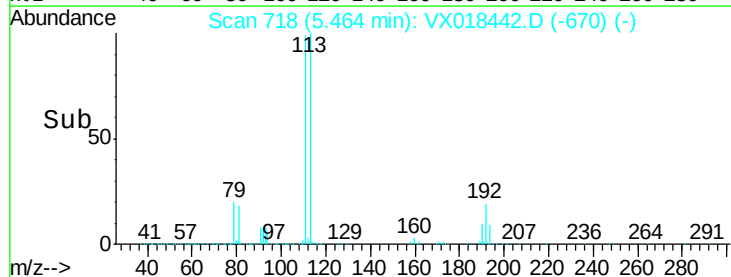
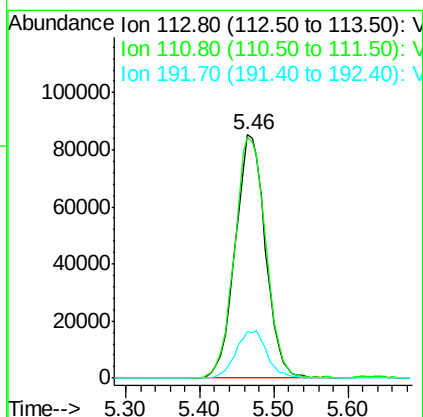
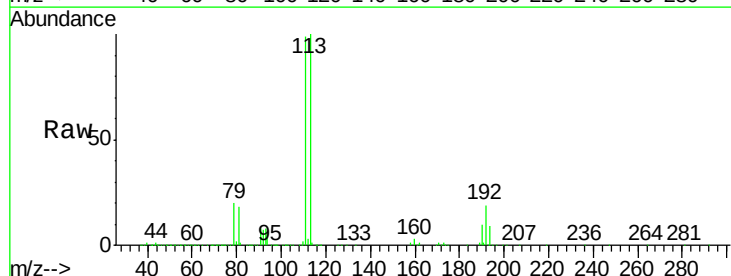
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW1011-20200910

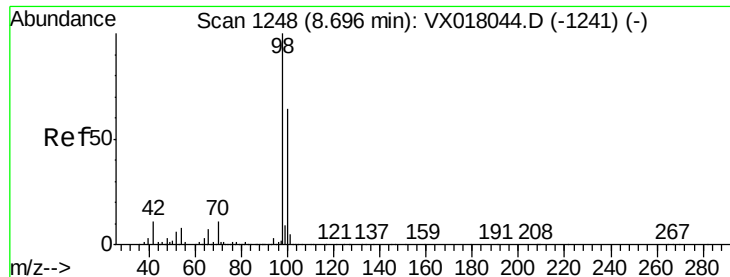
Tot Ion:	114	Resp:	704172
Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.6
88	16.3	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 50.513 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018442.D
 Acq: 16 Sep 2020 16:05

Tgt Ion:	113	Resp:	242250
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	20.1	15.8	23.8





#50

Toluene-d8

Concen: 48.566 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

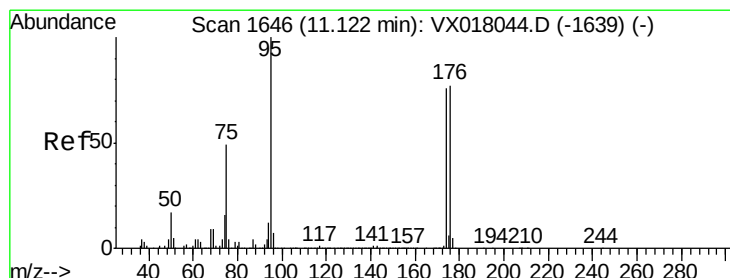
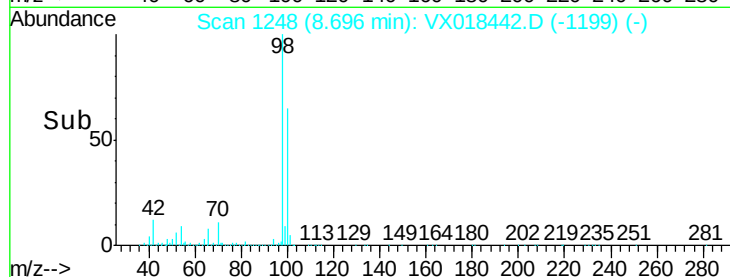
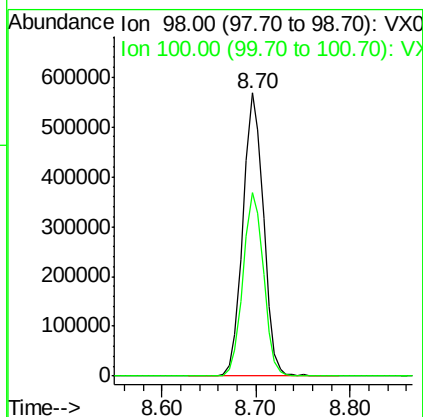
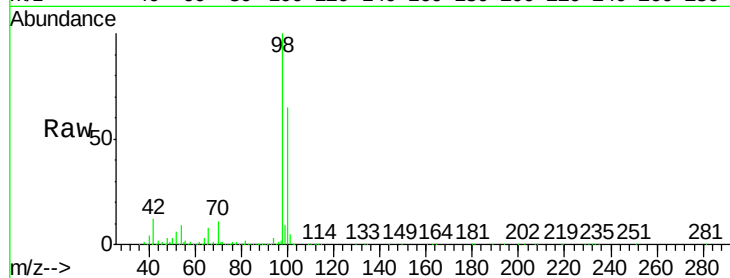
FC-MW1011-20200910

Tot Ion: 98 Resp: 867495

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.657 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

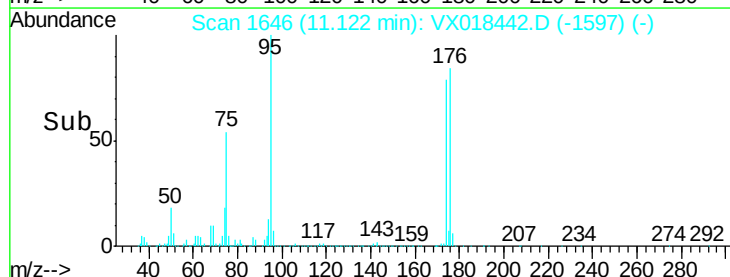
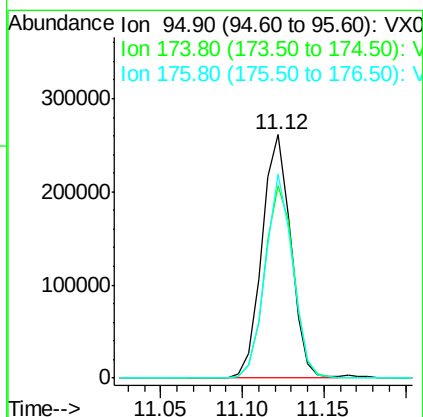
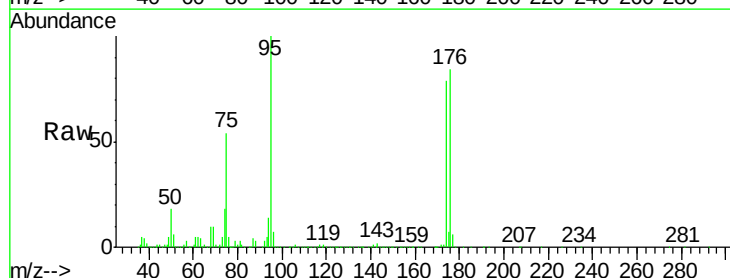
Tgt Ion: 95 Resp: 320858

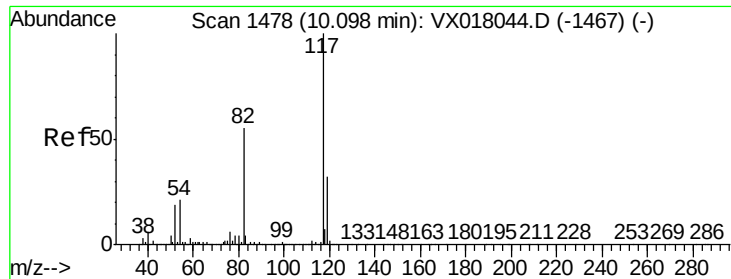
Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.2

176 79.7 0.0 155.8

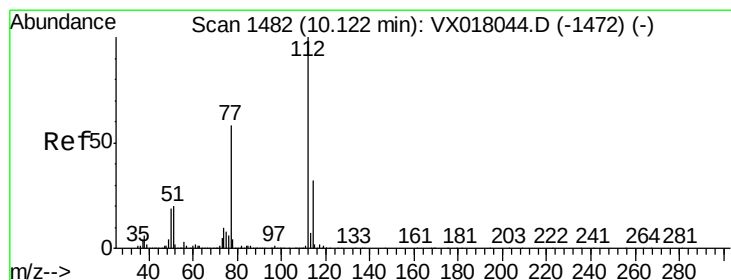
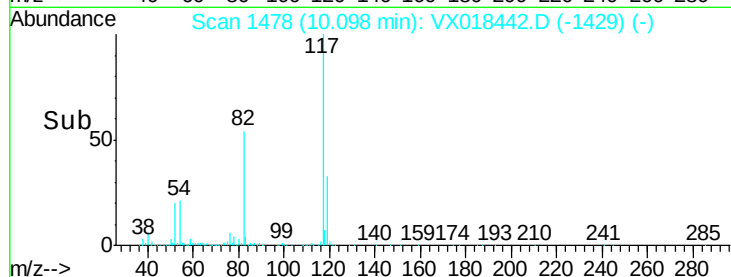
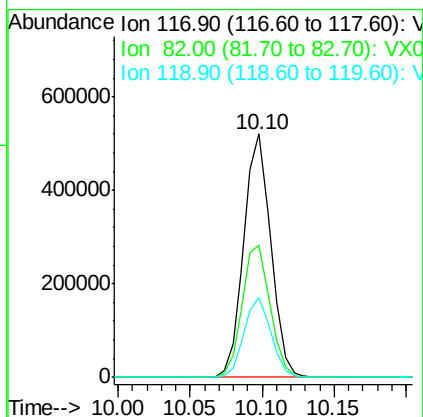
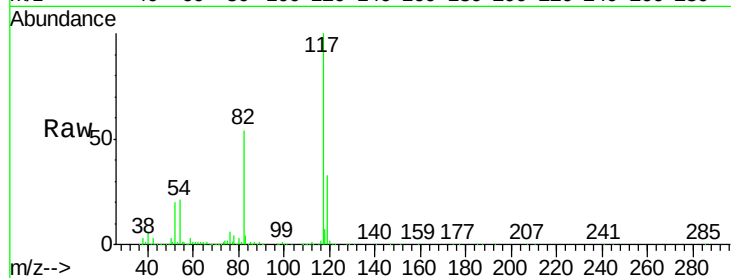




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018442.D
Acq: 16 Sep 2020 16:05

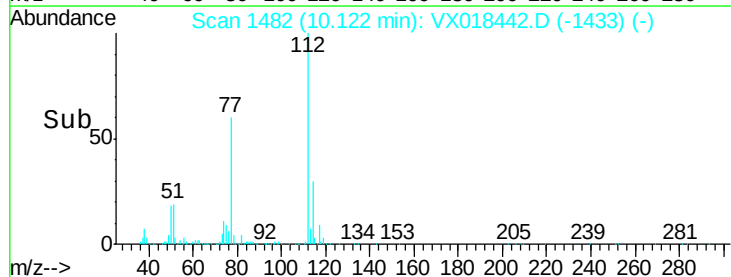
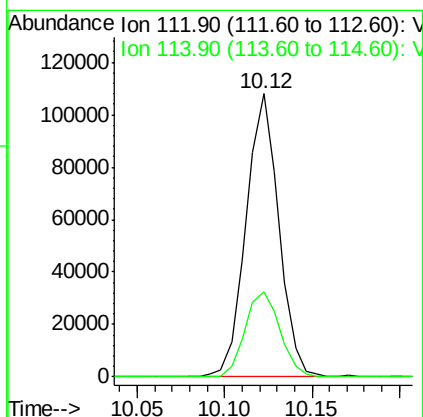
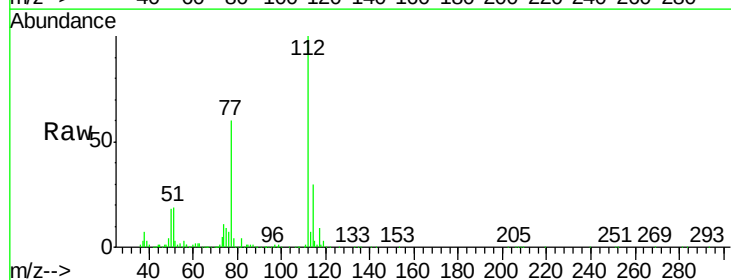
Instrument :
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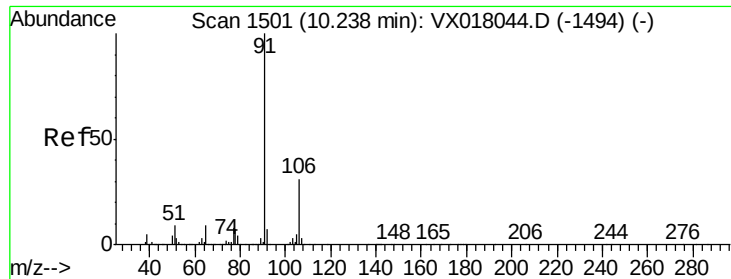
Tot Ion:117 Resp: 677472
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.7 25.7 38.5



#65
Chlorobenzene
Concen: 10.388 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX018442.D
Acq: 16 Sep 2020 16:05

Tgt Ion:112 Resp: 140562
Ion Ratio Lower Upper
112 100
114 30.2 25.7 38.5





#67

Ethyl Benzene

Concen: 0.216 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

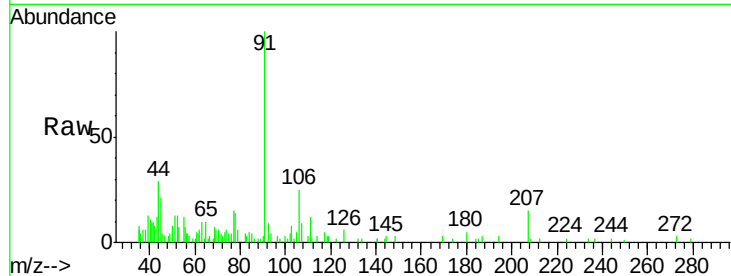
FC-MW1011-20200910

Tot Ion: 91 Resp: 4959

Ion Ratio Lower Upper

91 100

106 24.1 24.9 37.3#

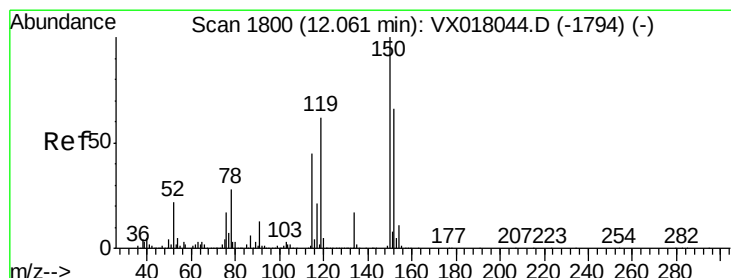
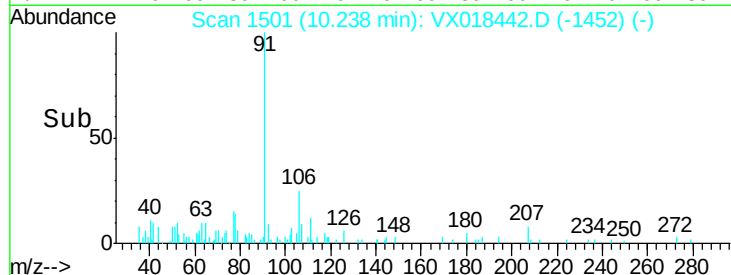


Abundance Ion 91.00 (90.70 to 91.70): VX018044.D (-1494) (-)

Ion 106.00 (105.70 to 106.70): VX018044.D (-1494) (-)

10.24

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

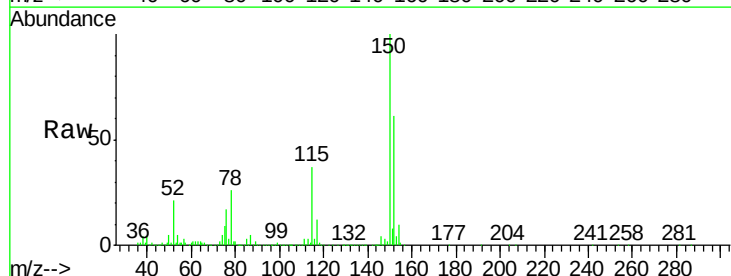
Tgt Ion: 152 Resp: 343564

Ion Ratio Lower Upper

152 100

115 59.9 41.5 124.5

150 181.1 0.0 343.8



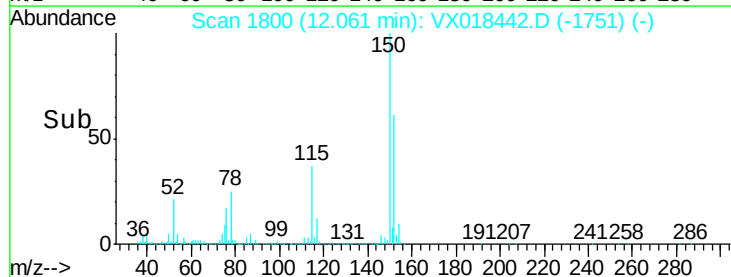
Abundance Ion 151.90 (151.60 to 152.60): VX018044.D (-1794) (-)

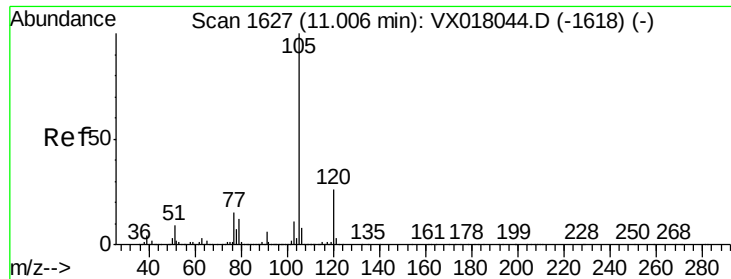
Ion 114.90 (114.60 to 115.60): VX018044.D (-1794) (-)

Ion 149.90 (149.60 to 150.60): VX018044.D (-1794) (-)

12.06

Time-->





#73

Isopropylbenzene

Concen: 1.325 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

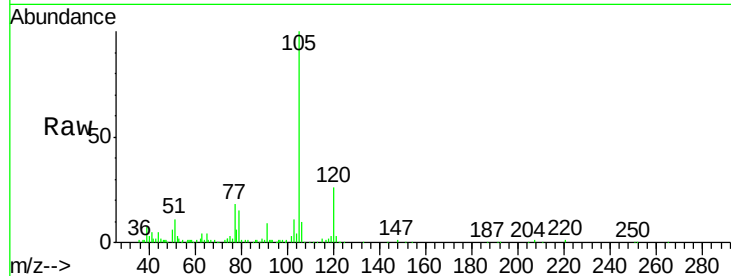
FC-MW1011-20200910

Tot Ion:105 Resp: 30018

Ion Ratio Lower Upper

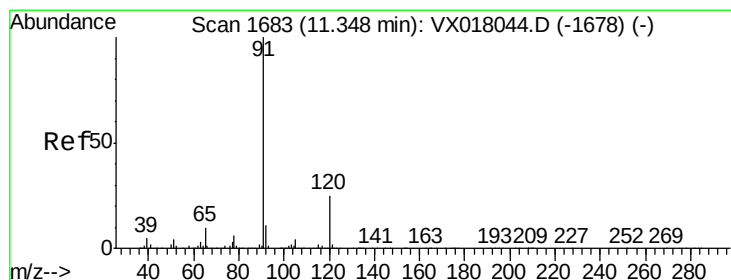
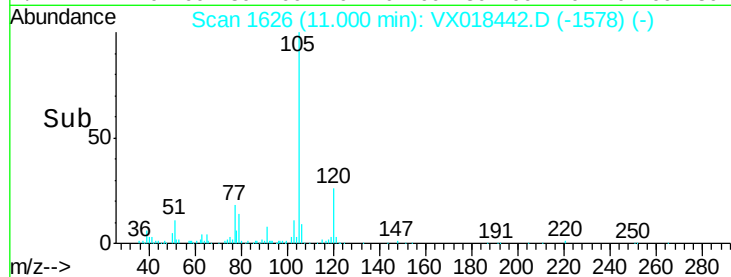
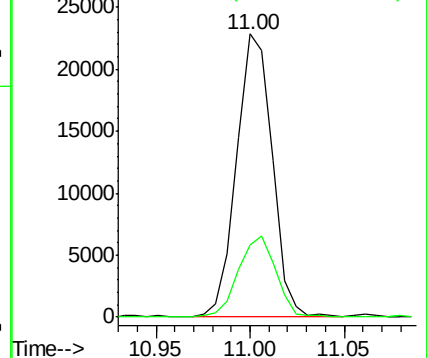
105 100

120 30.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.546 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX018442.D

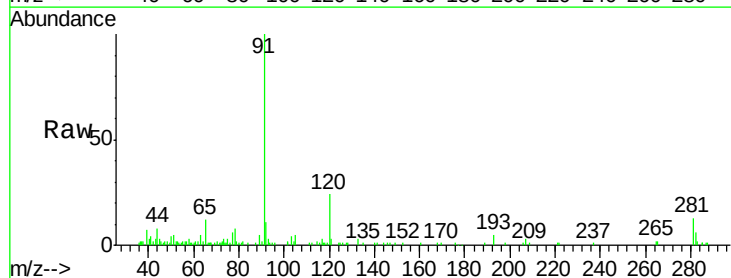
Acq: 16 Sep 2020 16:05

Tgt Ion: 91 Resp: 14052

Ion Ratio Lower Upper

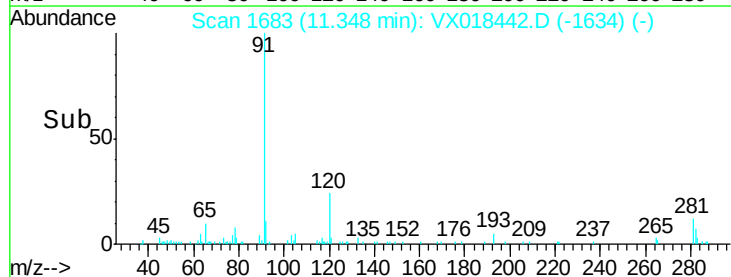
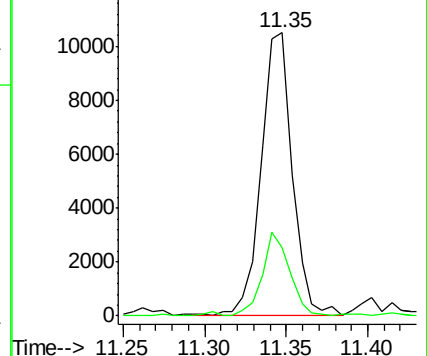
91 100

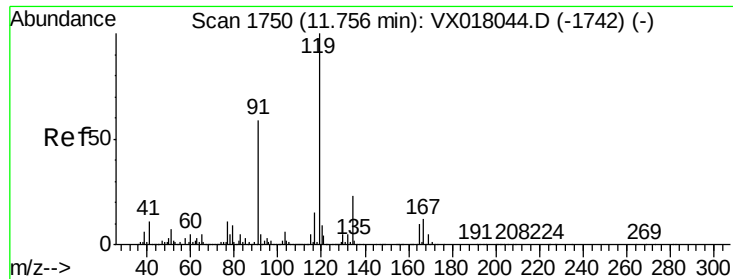
120 25.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

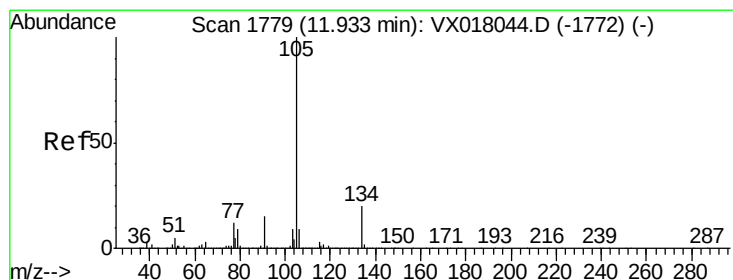
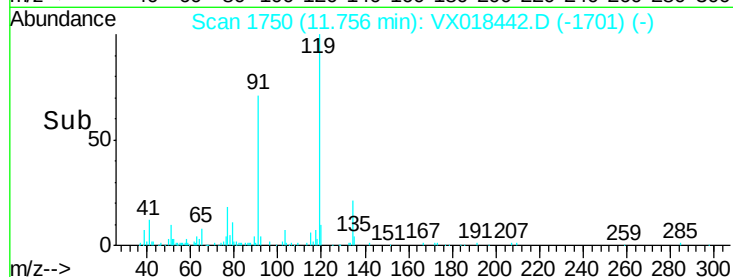
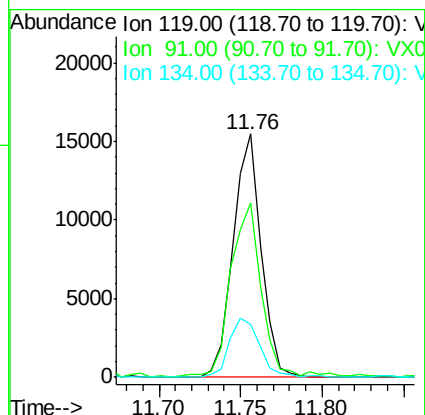
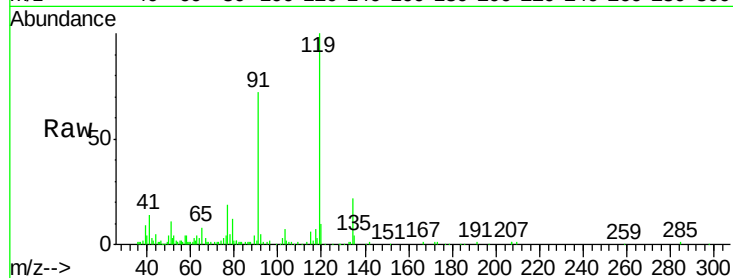




#83
tert-Butylbenzene
Concen: 1.004 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX018442.D
Acq: 16 Sep 2020 16:05

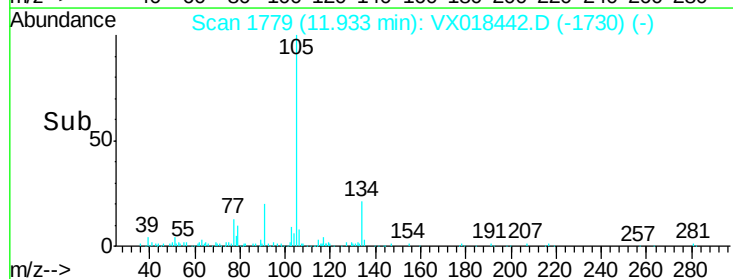
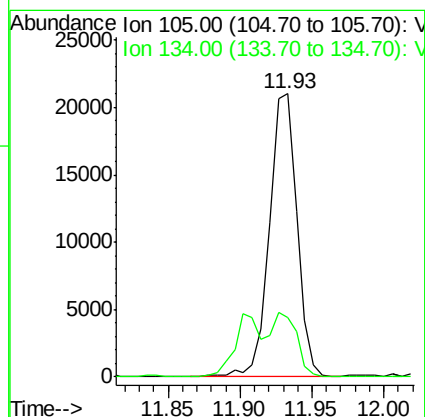
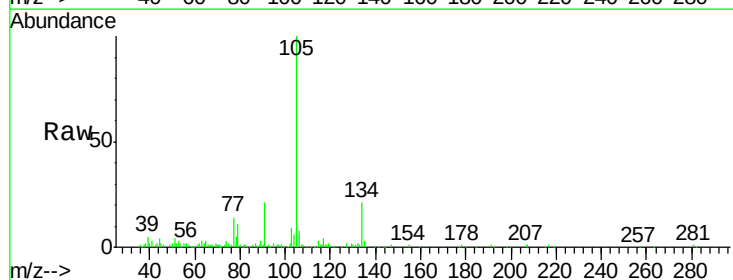
Instrument :
MSVOA_X
ClientSampleId :
FC-MW1011-20200910

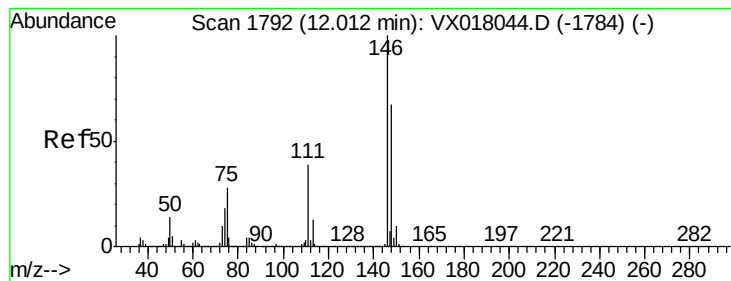
Tot Ion	Ratio	Lower	Upper
119	100		
91	78.0	28.2	84.7
134	26.7	11.3	33.8



#85
sec-Butylbenzene
Concen: 1.335 ug/l
RT: 11.93 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VX018442.D
Acq: 16 Sep 2020 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.1	30.3





#87

1,3-Dichlorobenzene

Concen: 21.552 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

Instrument :

MSVOA_X

ClientSampleId :

FC-MW1011-20200910

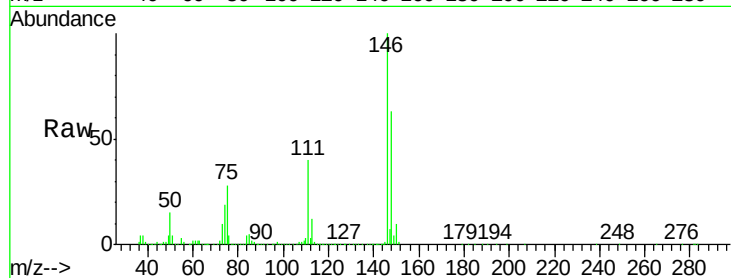
Tot Ion:146 Resp: 237028

Ion Ratio Lower Upper

146 100

111 41.3 20.6 61.8

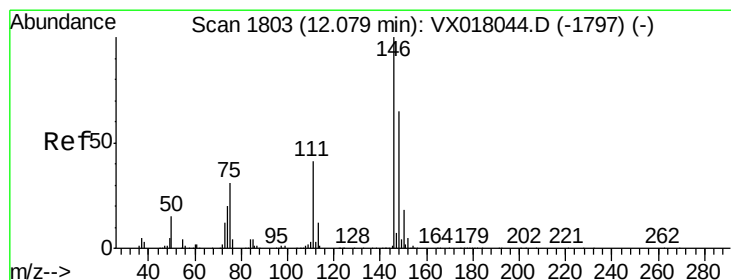
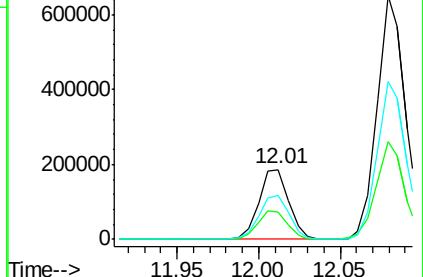
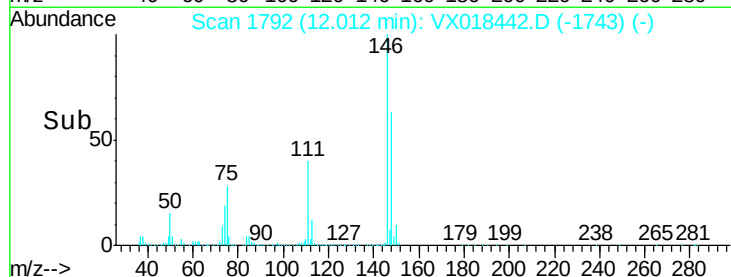
148 64.3 33.1 99.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 70.837 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018442.D

Acq: 16 Sep 2020 16:05

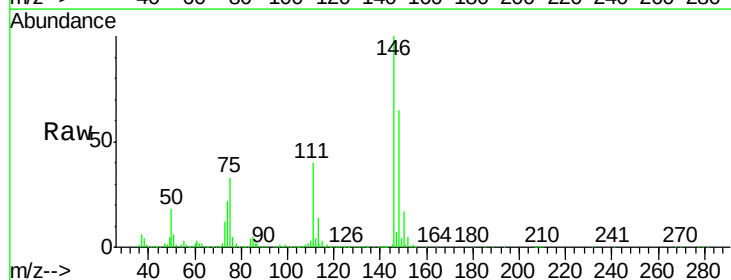
Tgt Ion:146 Resp: 780058

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

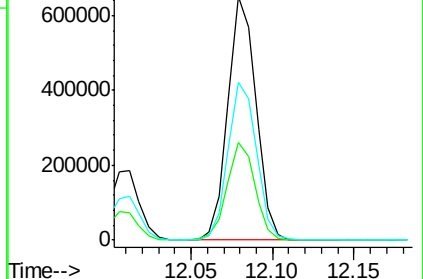
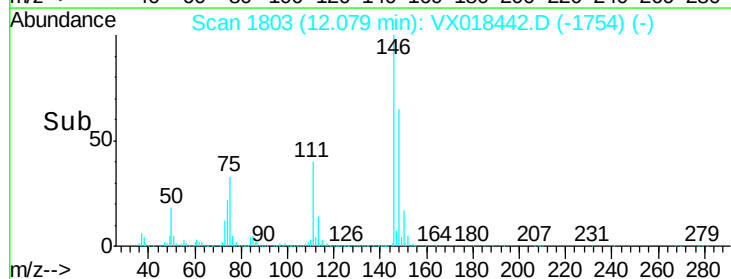
148 65.9 33.1 99.2

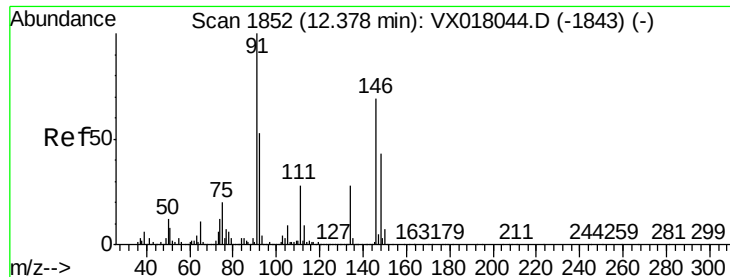


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

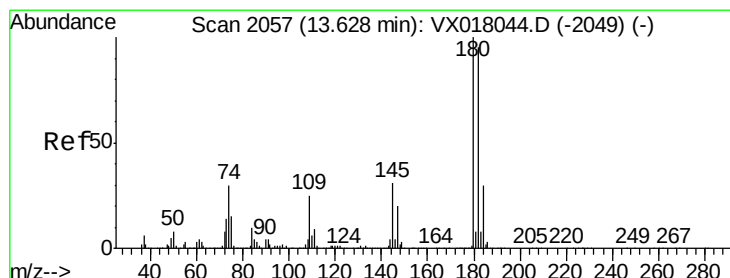
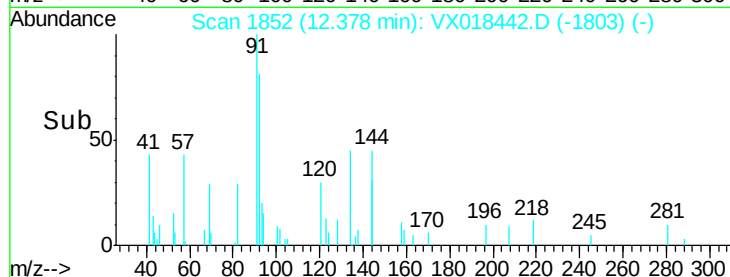
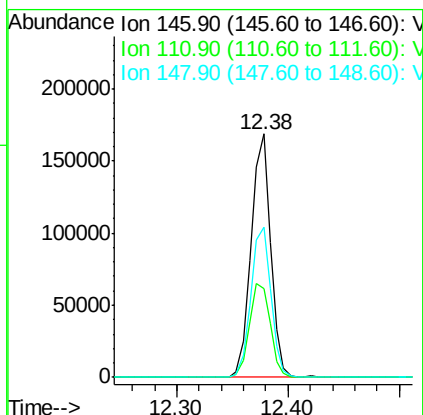
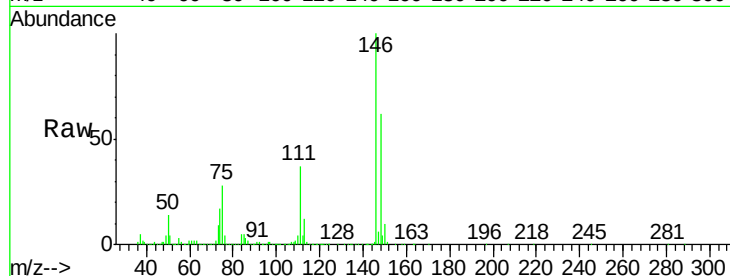




#91
 1,2-Dichlorobenzene
 Concen: 19.951 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018442.D
 Acq: 16 Sep 2020 16:05

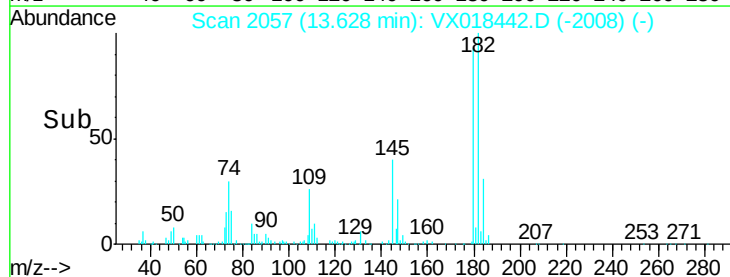
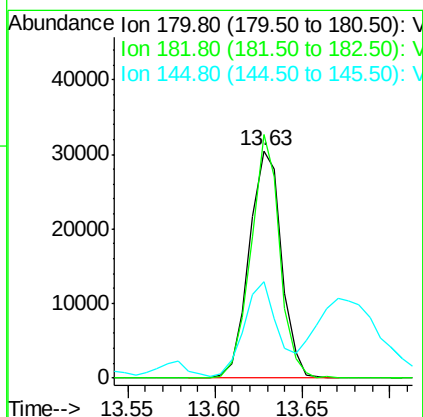
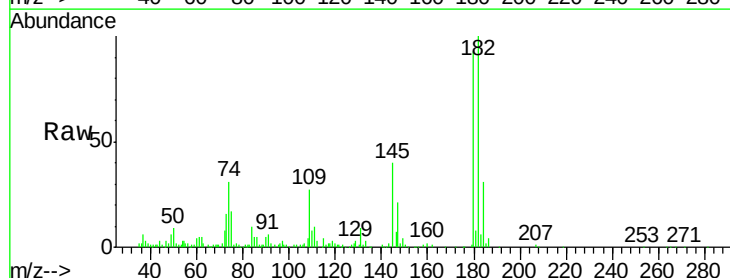
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW1011-20200910

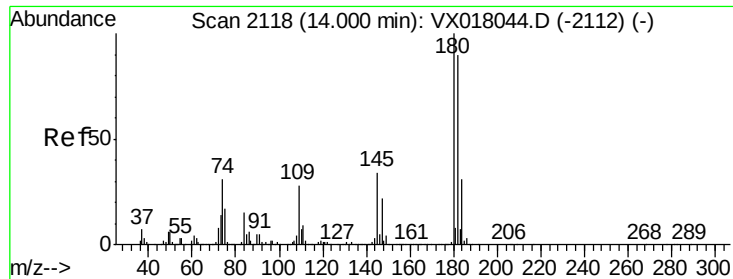
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.1	31.6	95.0



#93
 1,2,4-Trichlorobenzene
 Concen: 5.679 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018442.D
 Acq: 16 Sep 2020 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	44.8	15.7	47.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.493 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX018442.D
 Acq: 16 Sep 2020 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW1011-20200910

Tot Ion:180 Resp: 17006
 Ion Ratio Lower Upper
 180 100
 182 104.1 47.3 142.0
 145 107.8 17.5 52.6#

