

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050319\
 Data File : VX009314.D
 Acq On : 03 May 2019 17:04
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
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 5/6/2019 9:24:56 AM

Quant Time: May 04 07:17:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	363305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	591061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	520542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234262	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	250797	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
35) Dibromofluoromethane	5.50	113	184785	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
50) Toluene-d8	8.71	98	749172	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.13	95	256248	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	842	0.315	ug/l #	69
6) Chloroethane	1.73	64	642	0.224	ug/l #	87
11) Tert butyl alcohol	3.04	59	769	0.670	ug/l #	80
13) Acrolein	2.29	56	720	0.693	ug/l	96
15) Acrylonitrile	3.15	53	1777	0.633	ug/l	94
16) Acetone	2.44	43	1765	0.663	ug/l	98
18) Methyl Acetate	2.78	43	1367	0.216	ug/l	94
23) Vinyl Acetate	3.82	43	6019	0.440	ug/l #	95
25) 2-Butanone	4.70	43	2496	0.603	ug/l	94
29) Tetrahydrofuran	5.13	42	1741	0.654	ug/l #	88
36) 1,1-Dichloropropene	5.81	75	1107m	0.202	ug/l	
49) 1,4-Dioxane	7.77	88	285	2.314	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	3925	0.491	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	1930	0.483	ug/l	96
59) 2-Hexanone	9.49	43	2652	0.422	ug/l	91

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

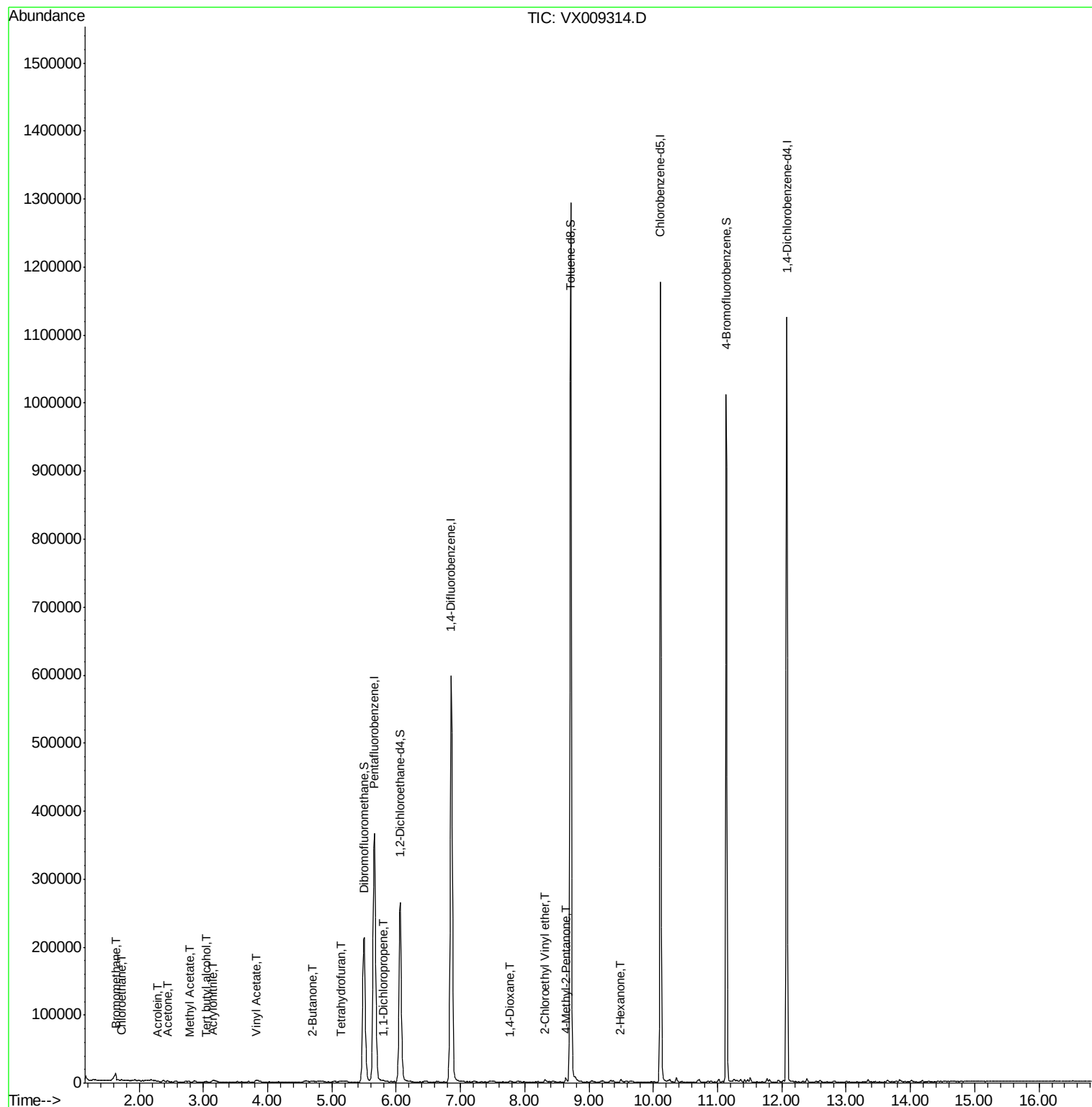
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050319\
Data File : VX009314.D
Acq On : 03 May 2019 17:04
Operator : JC/SP
Sample : K2241-07
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ALS Vial : 16 Sample Multiplier: 1

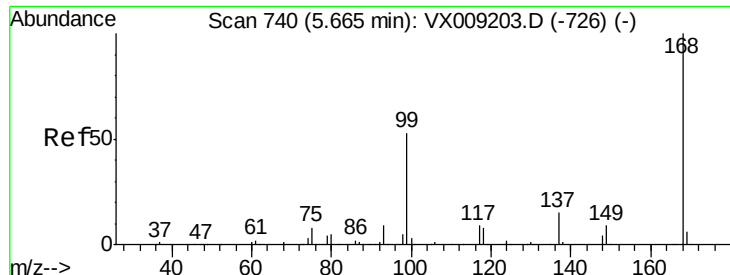
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

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Quant Time: May 04 07:17:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:03:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:168 Resp: 363305

Ion Ratio Lower Upper

168 100

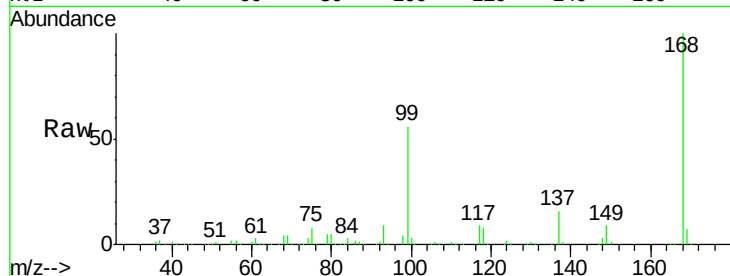
99 55.8 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

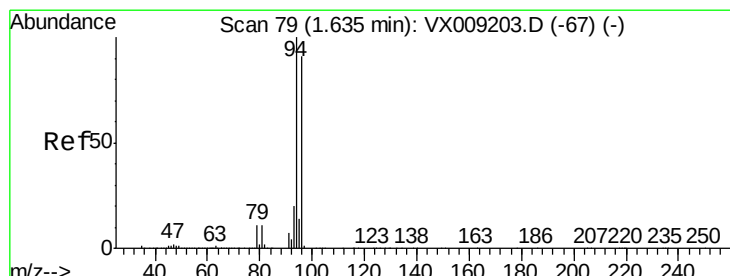
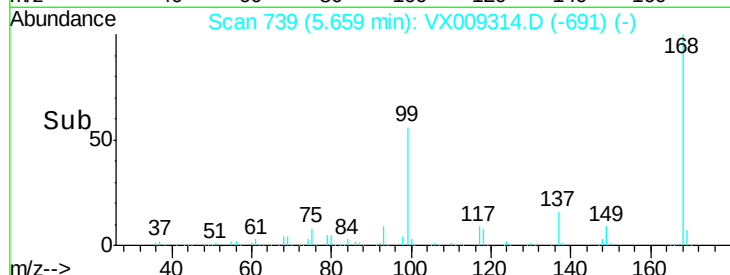
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009314.D

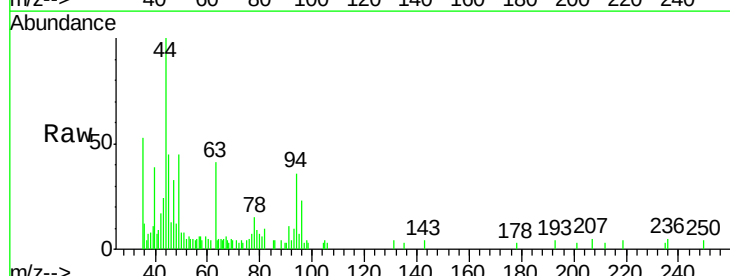
Acq: 03 May 2019 17:04

Tgt Ion: 94 Resp: 842

Ion Ratio Lower Upper

94 100

96 62.2 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

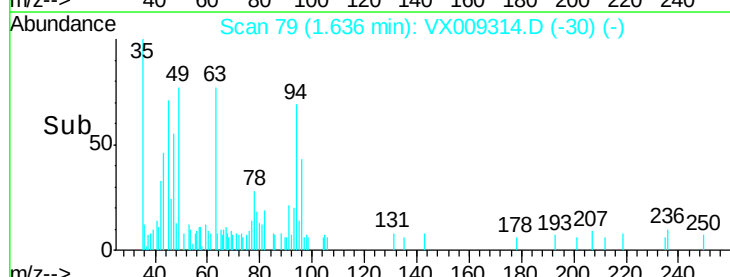
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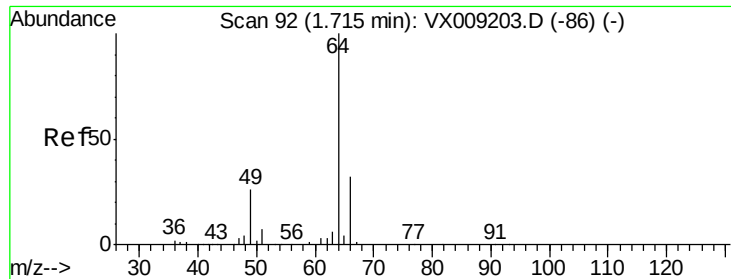
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.224 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 64 Resp: 642

Ion Ratio Lower Upper

64 100

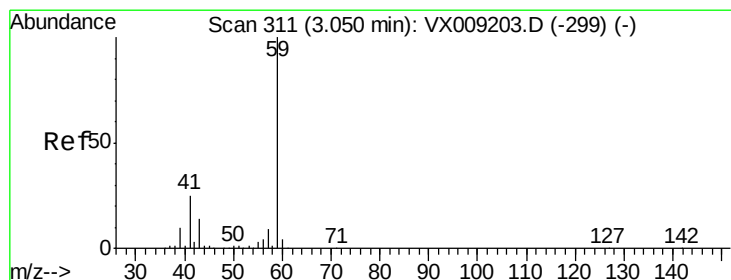
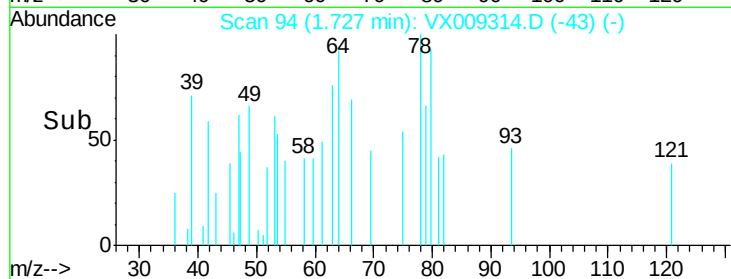
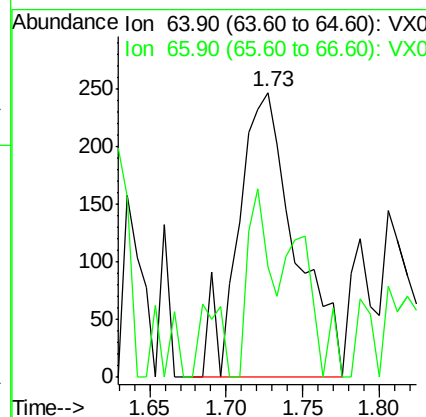
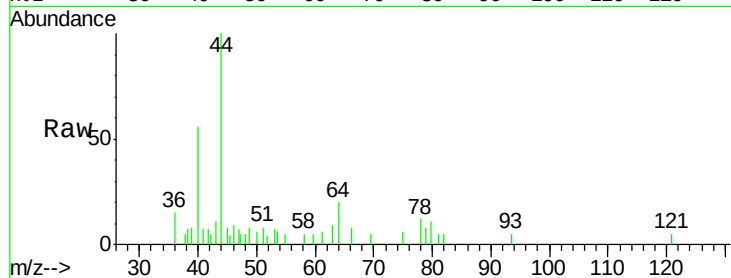
66 38.9 25.3 37.9#

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#11

Tert butyl alcohol

Concen: 0.670 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009314.D

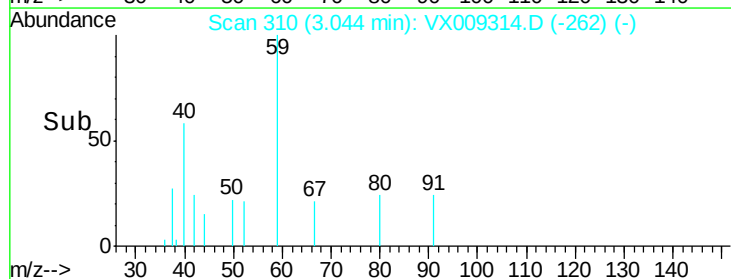
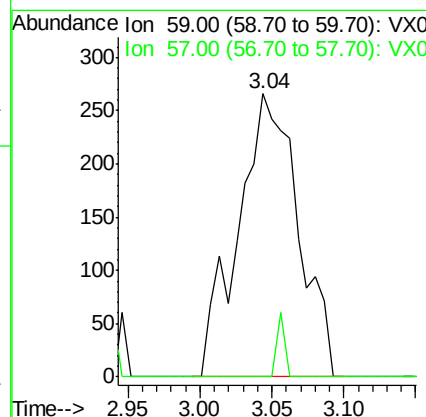
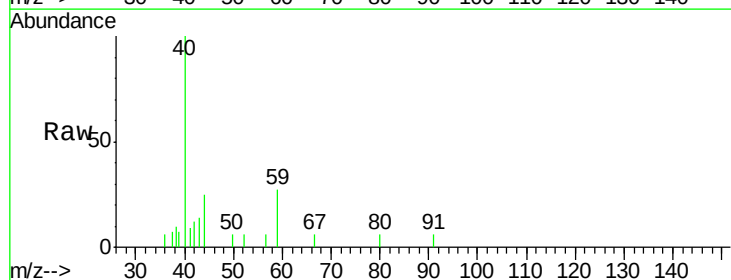
Acq: 03 May 2019 17:04

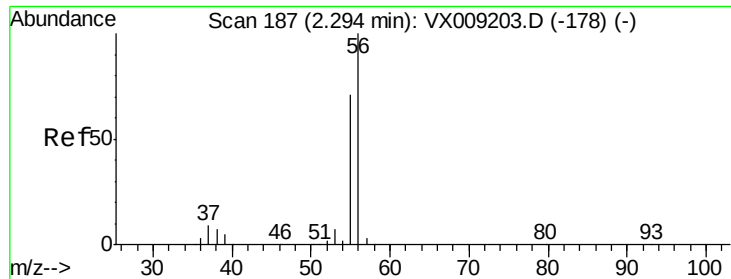
Tgt Ion: 59 Resp: 769

Ion Ratio Lower Upper

59 100

57 2.9 8.2 12.2#





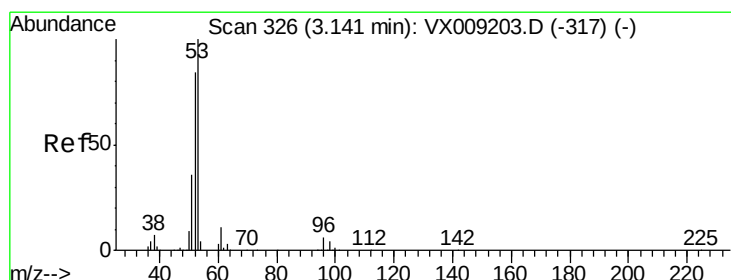
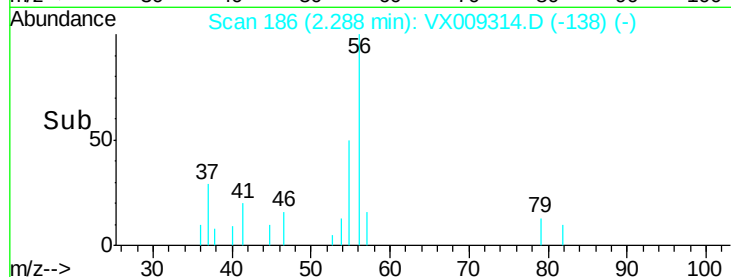
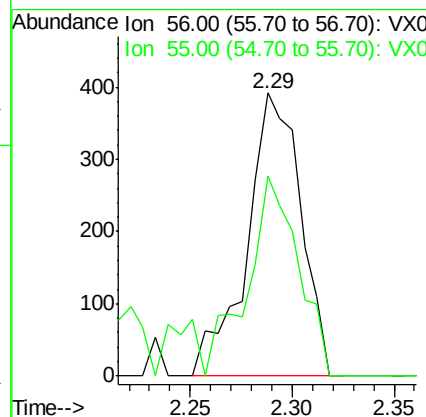
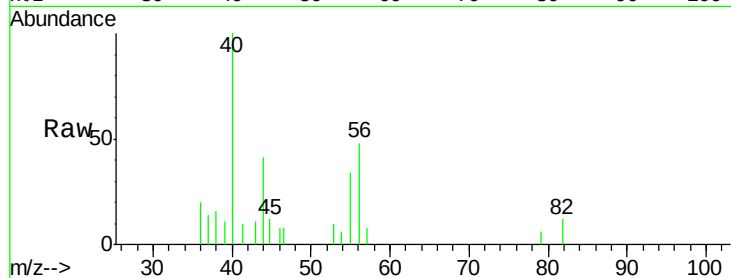
#13
 Acrolein
 Concen: 0.693 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.4	56.6	85.0

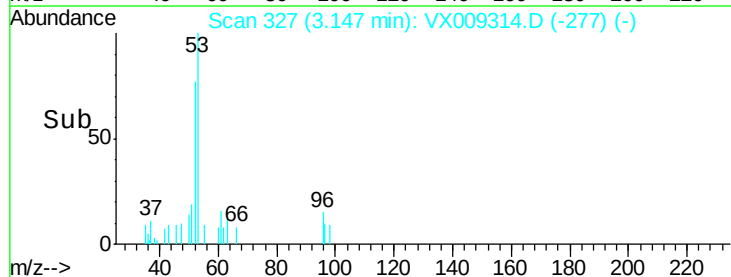
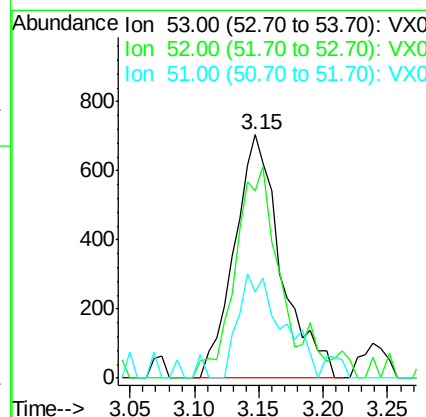
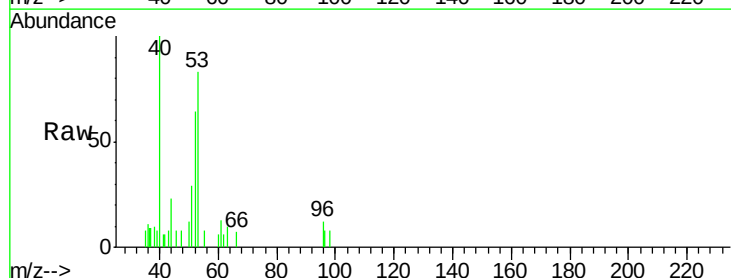
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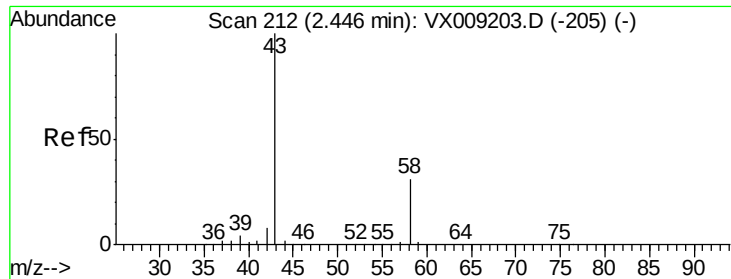
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#15
 Acrylonitrile
 Concen: 0.633 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
53	100		
52	78.6	66.9	100.3
51	40.2	28.2	42.2





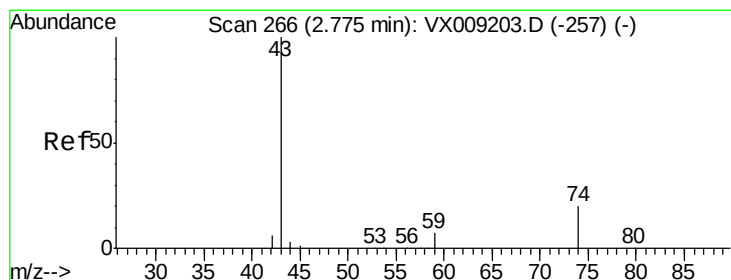
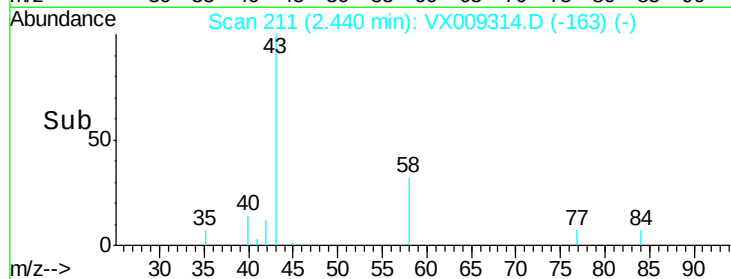
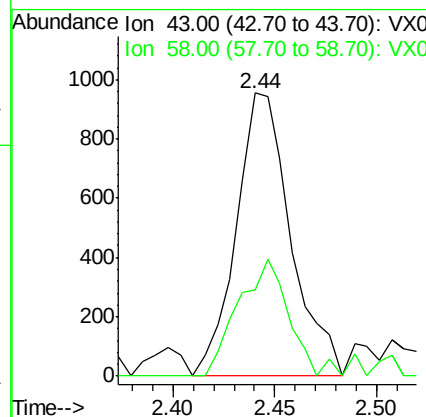
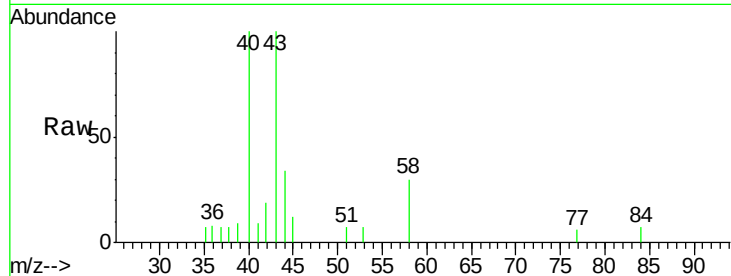
#16
Acetone
Concen: 0.663 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.9	37.3

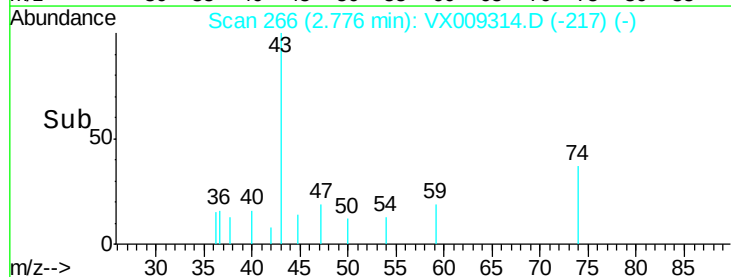
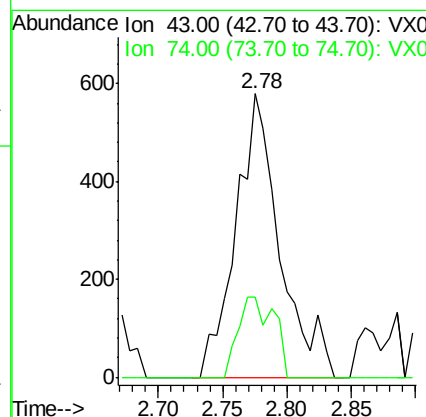
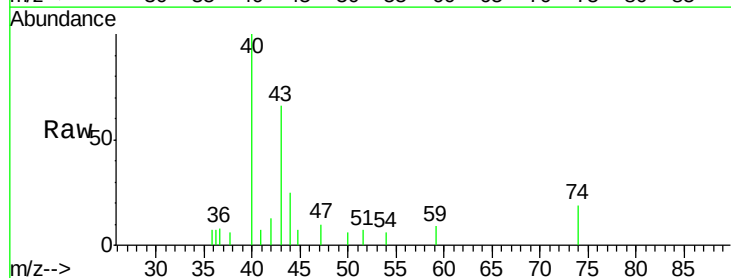
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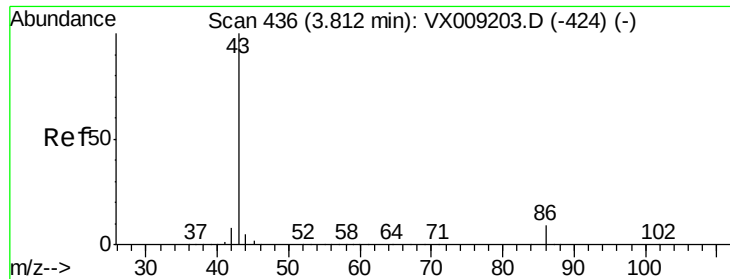
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#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	16.2	24.4





#23

Vinyl Acetate

Concen: 0.440 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 6019

Ion Ratio Lower Upper

43 100

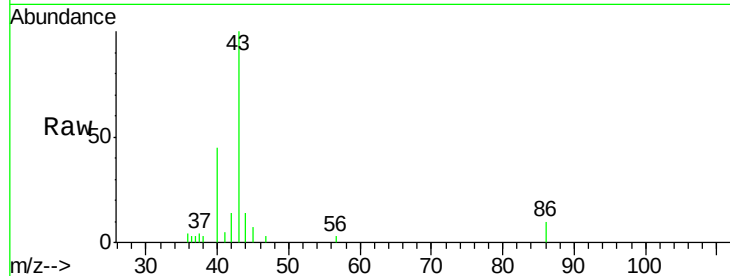
86 10.5 6.9 10.3#

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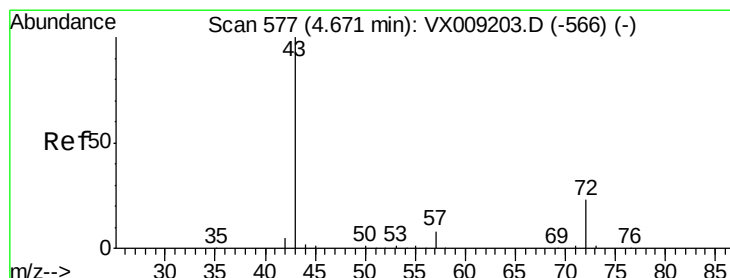
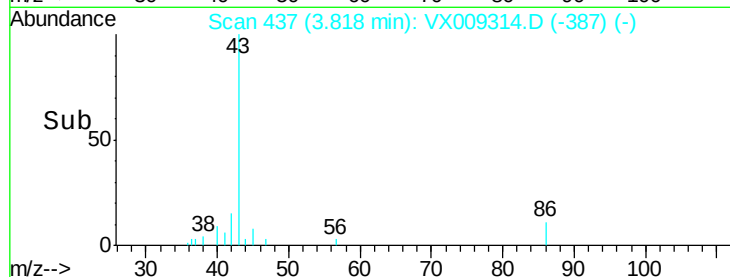
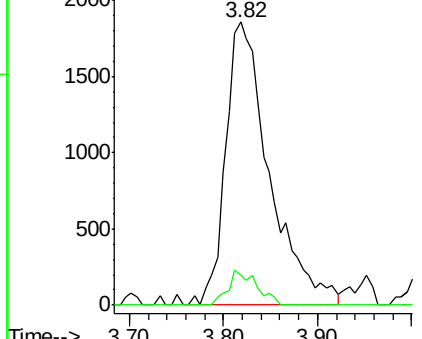
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 0.603 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009314.D

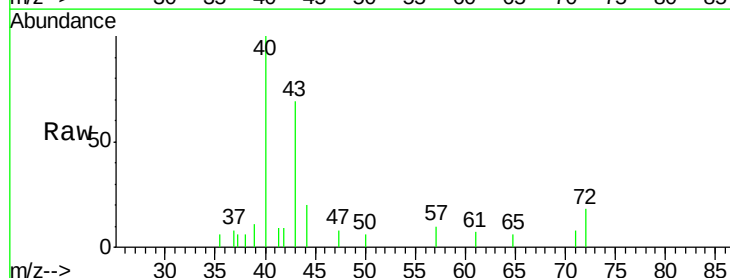
Acq: 03 May 2019 17:04

Tgt Ion: 43 Resp: 2496

Ion Ratio Lower Upper

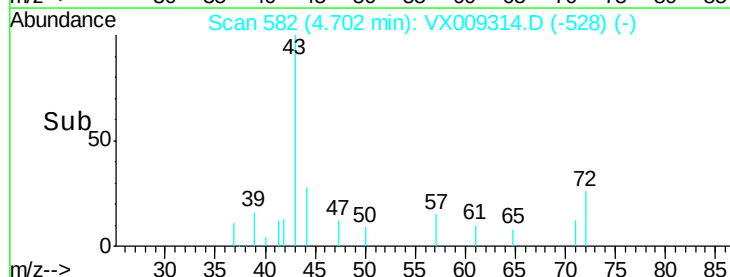
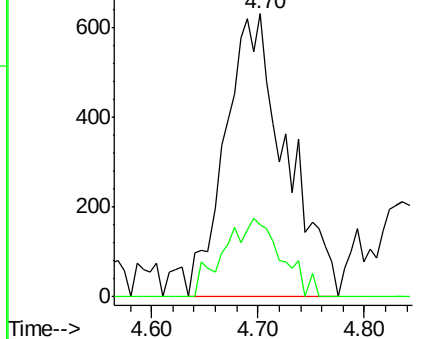
43 100

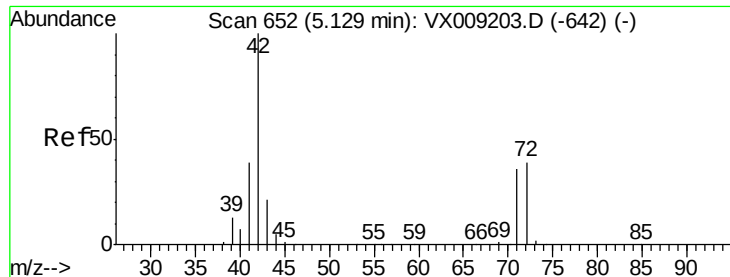
72 25.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





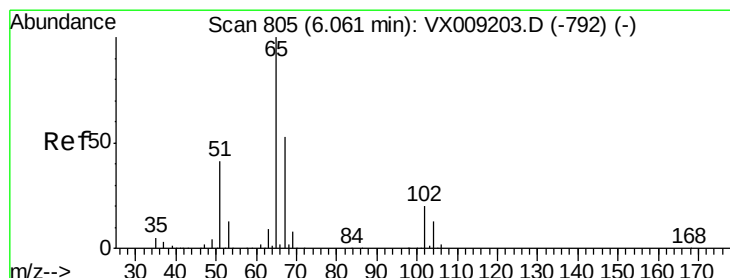
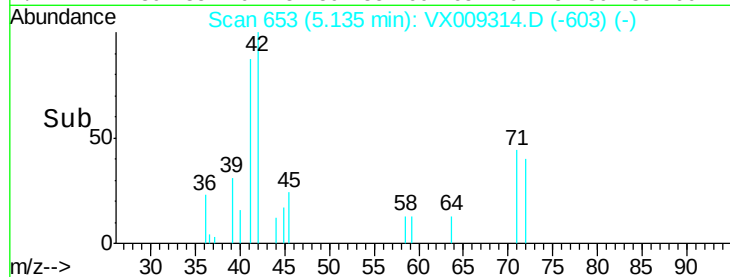
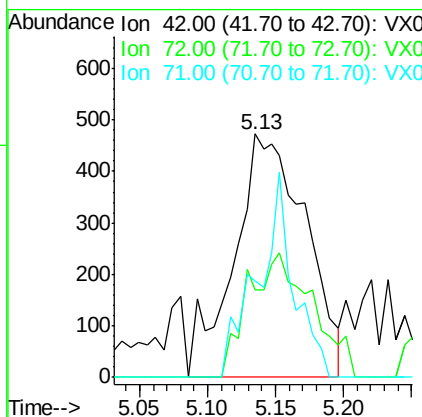
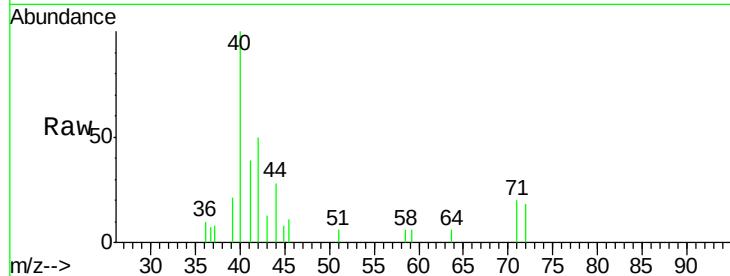
#29
Tetrahydrofuran
Concen: 0.654 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	30.4	45.6#
71	42.5	28.6	43.0

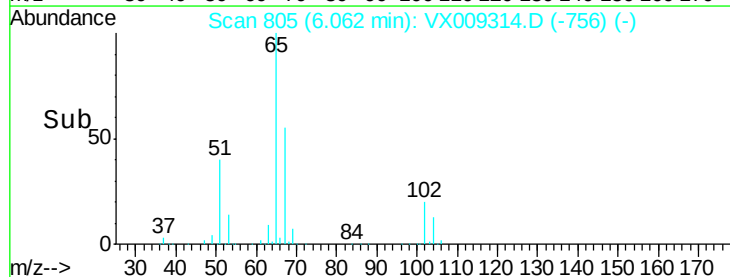
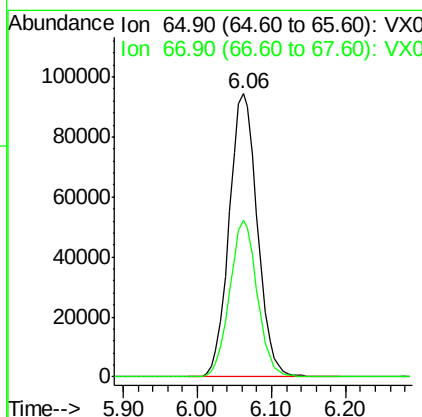
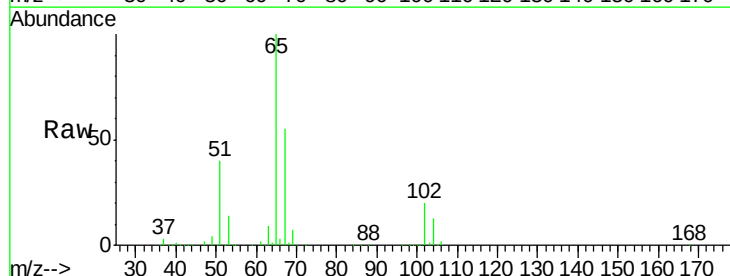
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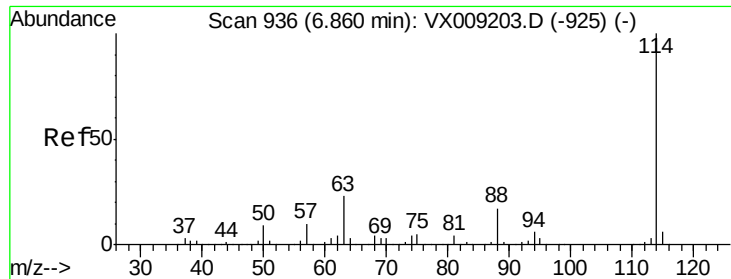
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#33
1,2-Dichloroethane-d4
Concen: 50.569 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.6





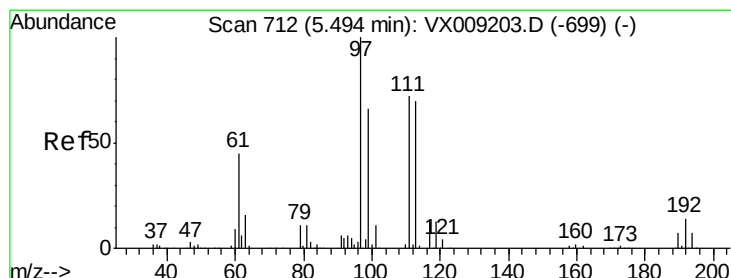
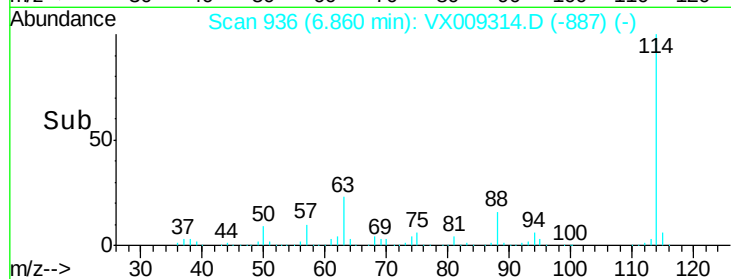
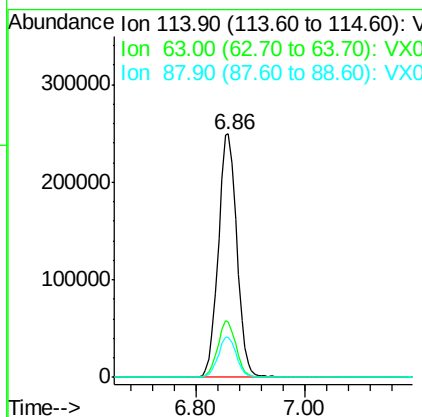
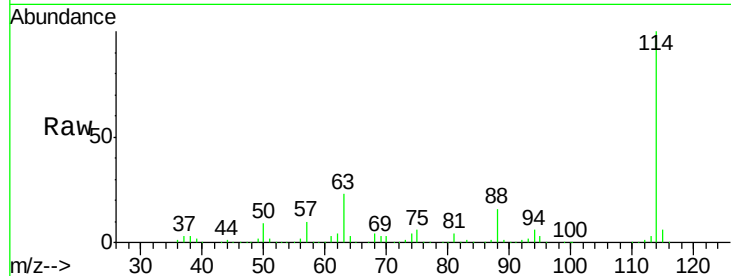
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
114	100	591061		
63	22.9	0.0	45.6	
88	16.3	0.0	33.2	

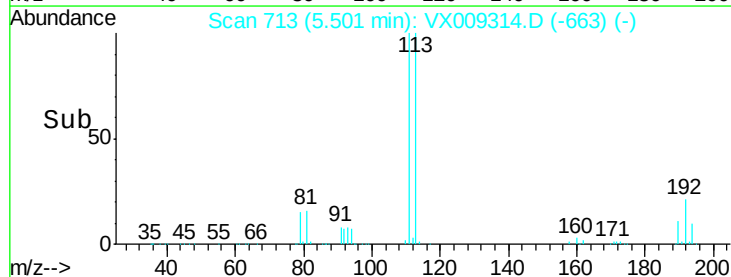
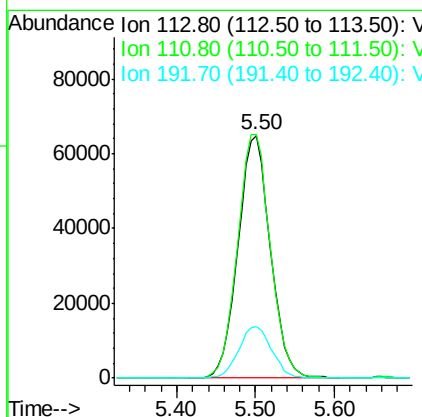
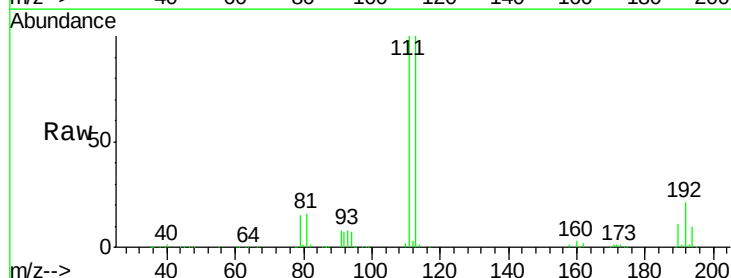
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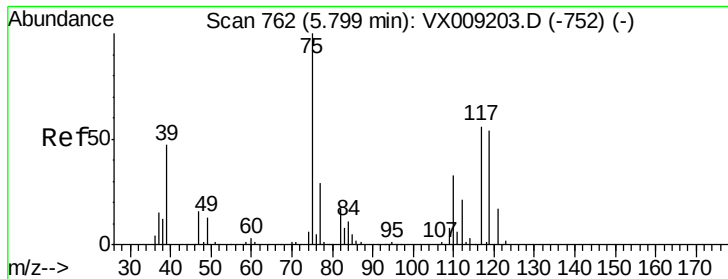
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#35
 Dibromofluoromethane
 Concen: 49.732 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	184785		
111	102.1	82.8	124.2	
192	21.6	17.0	25.6	





#36

1,1-Dichloropropene

Concen: 0.202 ug/l m

RT: 5.81 min Scan# 764

Delta R.T. 0.01 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

Instrument :

MSVOA_X

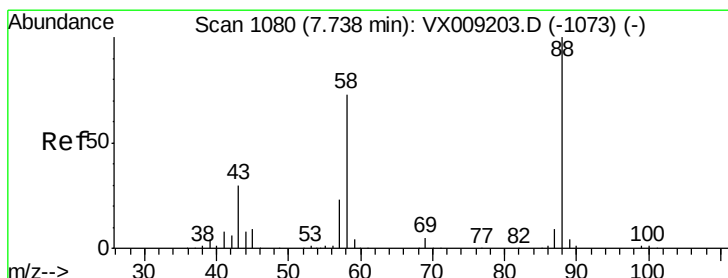
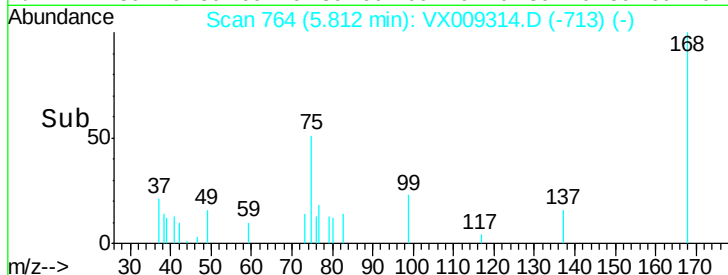
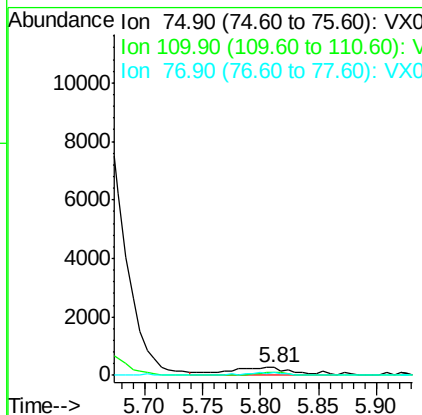
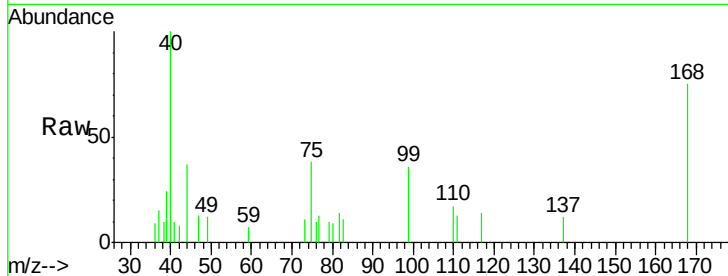
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	1107
Ion	Ratio	Lower	Upper
75	100		
110	224.3	16.9	50.6#
77	0.0	24.8	37.2#

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#49

1,4-Dioxane

Concen: 2.314 ug/l

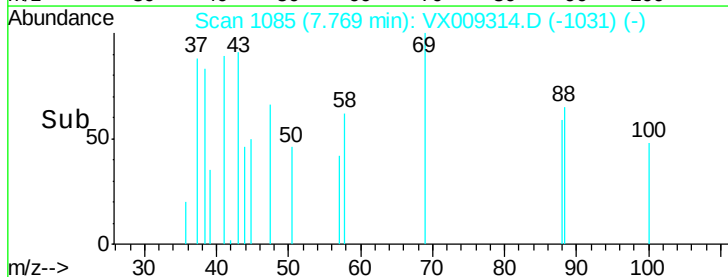
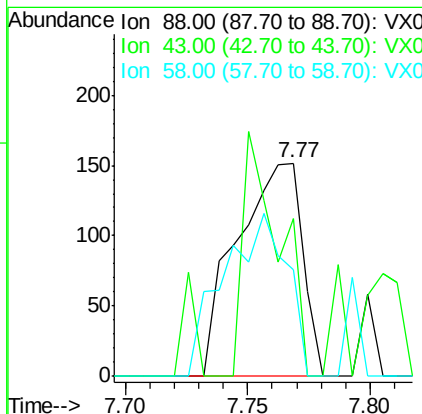
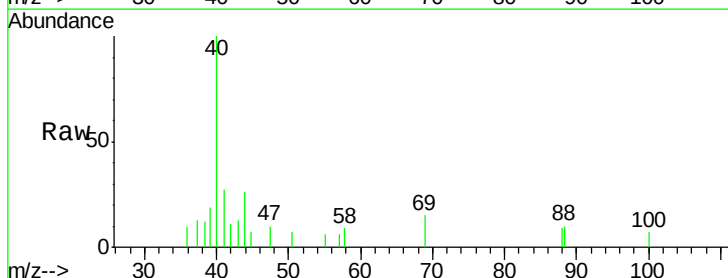
RT: 7.77 min Scan# 1085

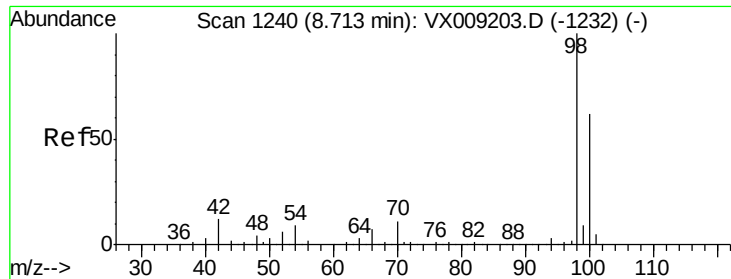
Delta R.T. 0.03 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

Tgt Ion:	88	Resp:	285
Ion	Ratio	Lower	Upper
88	100		
43	63.2	28.6	42.8#
58	73.7	61.7	92.5





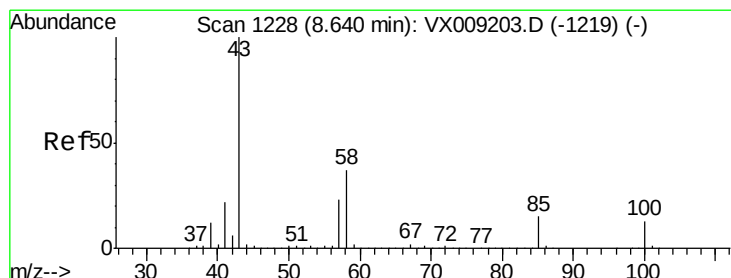
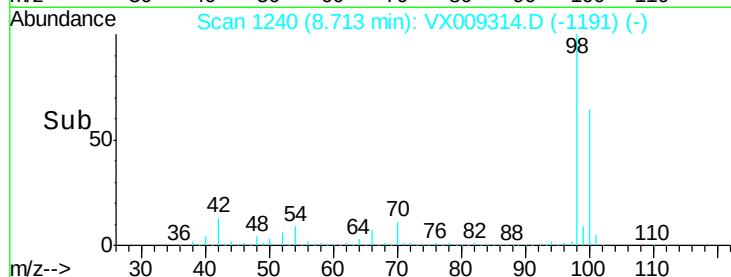
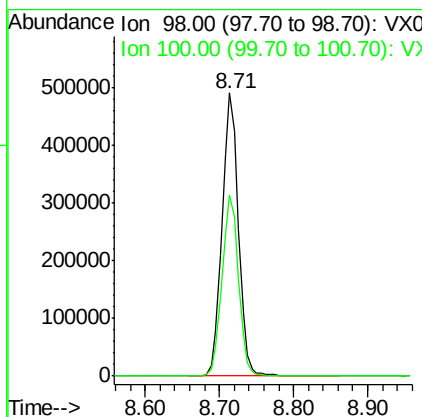
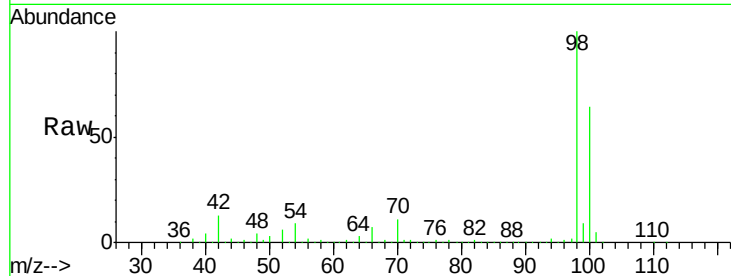
#50
Toluene-d8
Concen: 49.942 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 98 Resp: 749172
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8

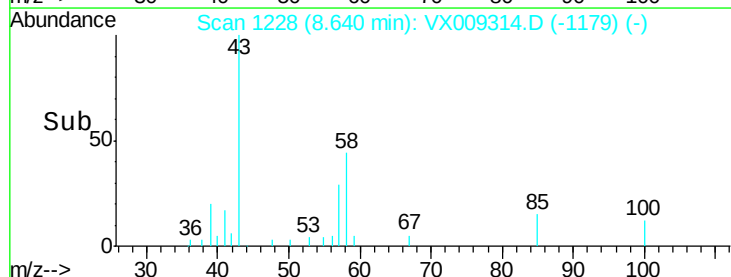
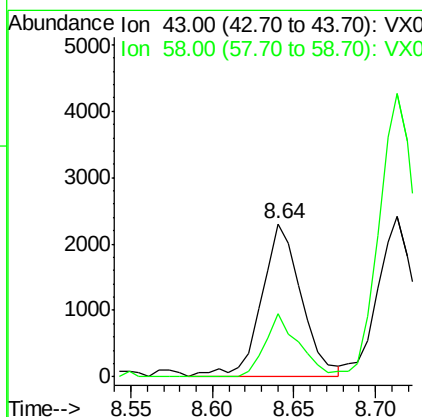
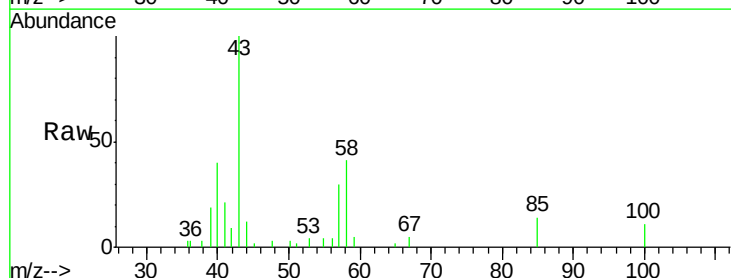
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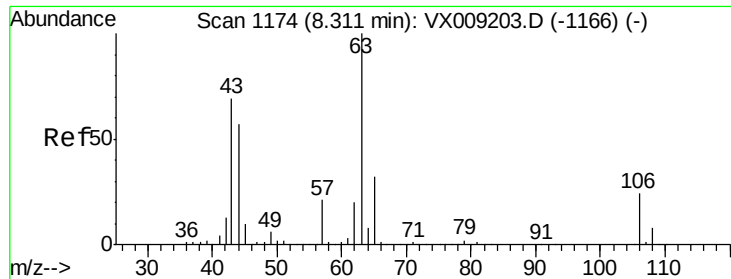
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#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Tgt Ion: 43 Resp: 3925
Ion Ratio Lower Upper
43 100
58 34.6 29.5 44.3





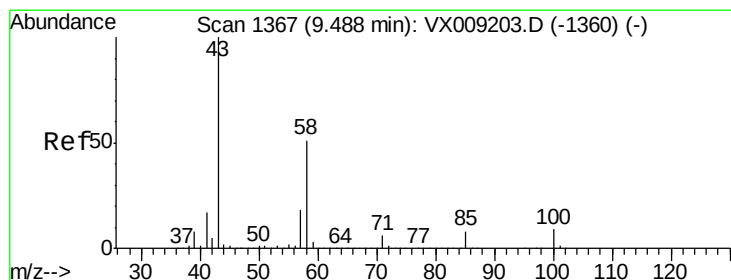
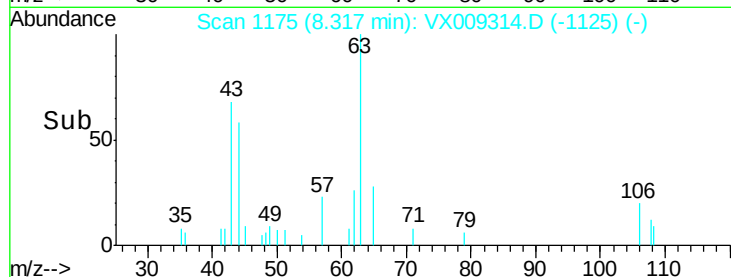
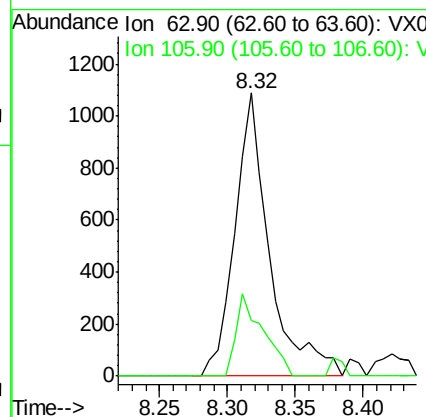
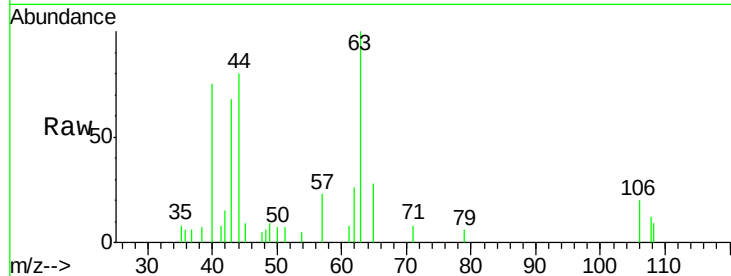
#58
2-Chloroethyl Vinyl ether
Concen: 0.483 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 1930
Ion Ratio Lower Upper
63 100
106 22.8 19.7 29.5

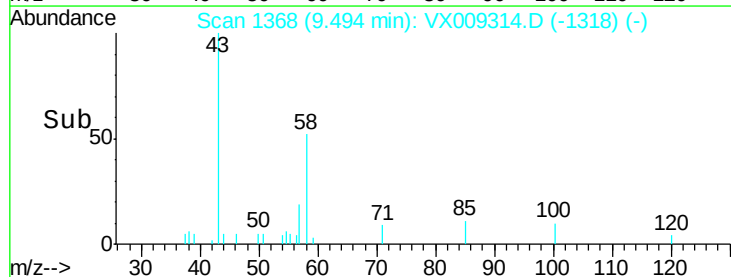
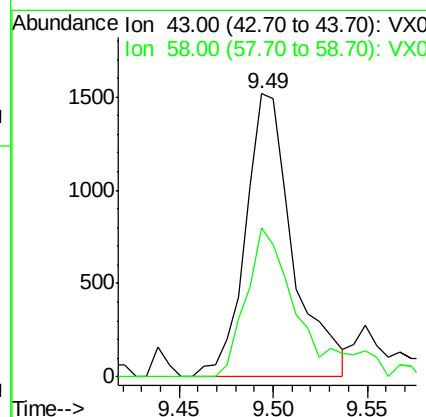
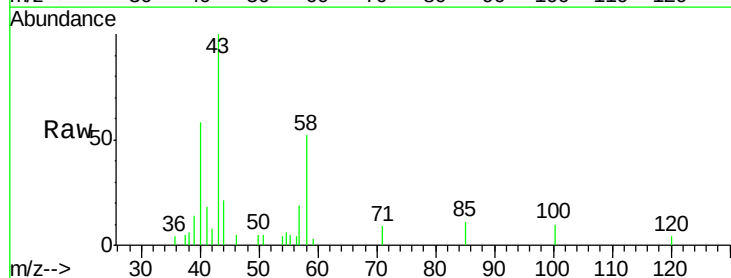
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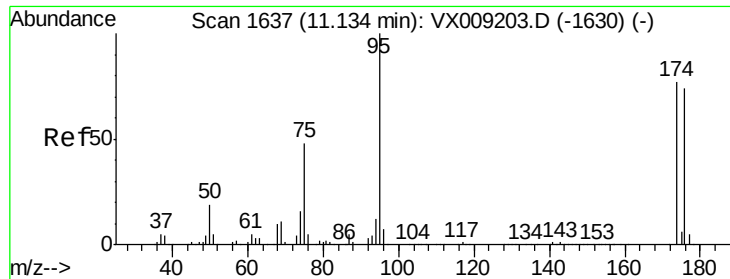
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#59
2-Hexanone
Concen: 0.422 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Tgt Ion: 43 Resp: 2652
Ion Ratio Lower Upper
43 100
58 58.4 25.9 77.7





#62

4-Bromofluorobenzene

Concen: 47.011 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 95 Resp: 256248

Ion Ratio Lower Upper

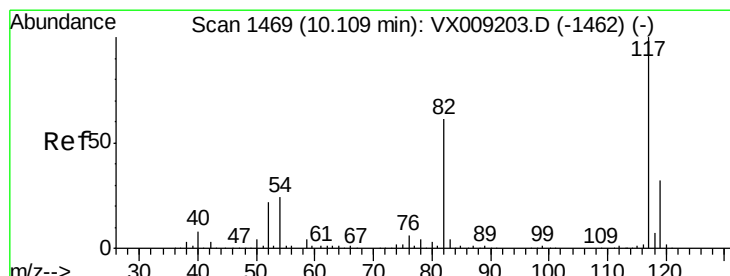
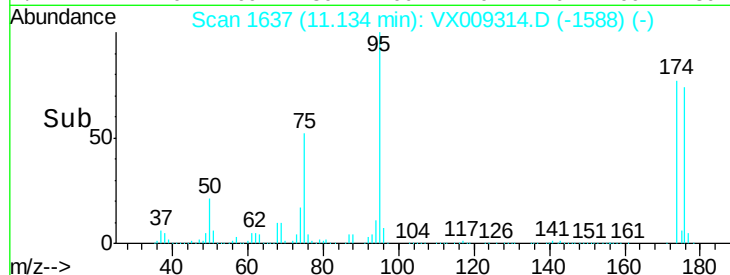
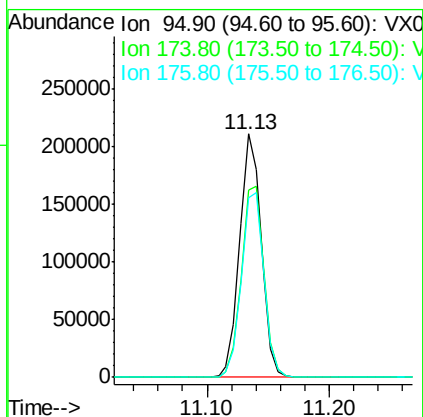
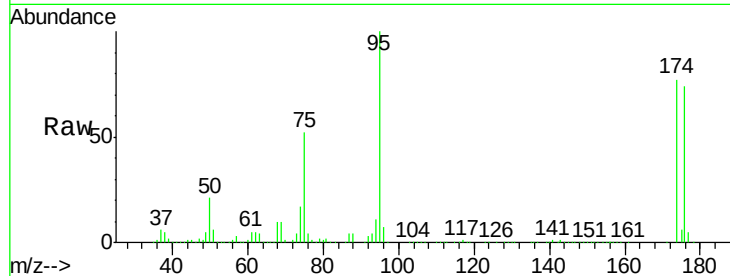
95 100

174 82.0 0.0 161.6

176 79.4 0.0 159.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

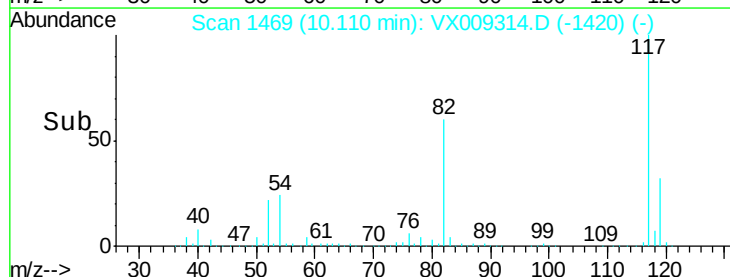
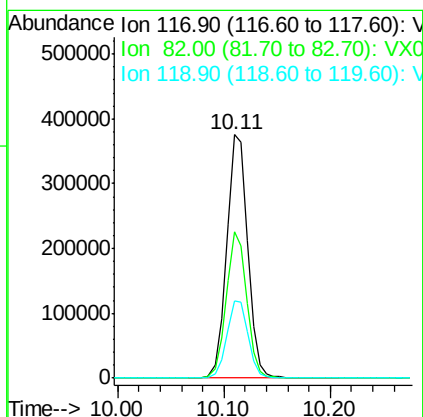
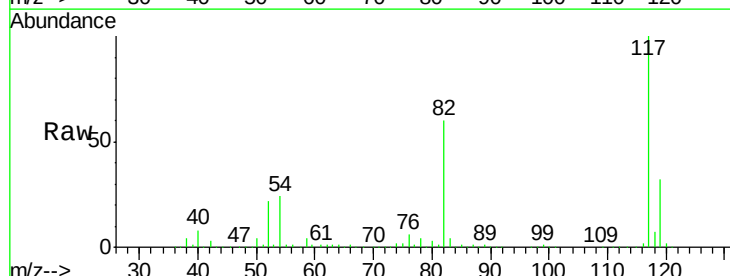
Tgt Ion: 117 Resp: 520542

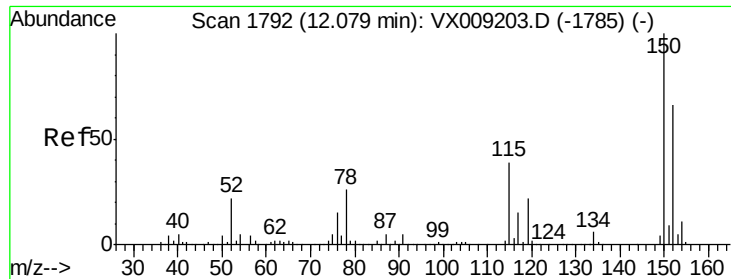
Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009314.D

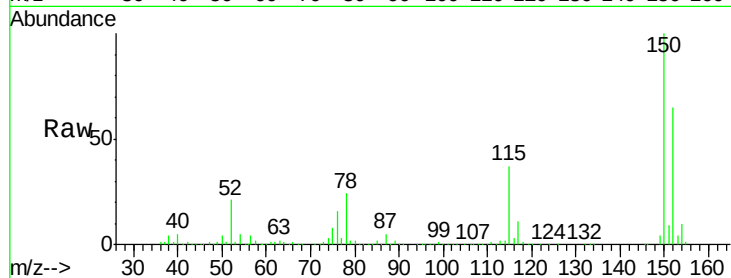
Acq: 03 May 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019



Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.2	123.6
150	155.3	0.0	346.4

Manual Integrations
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