

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

Quant Time: May 03 23:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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%	

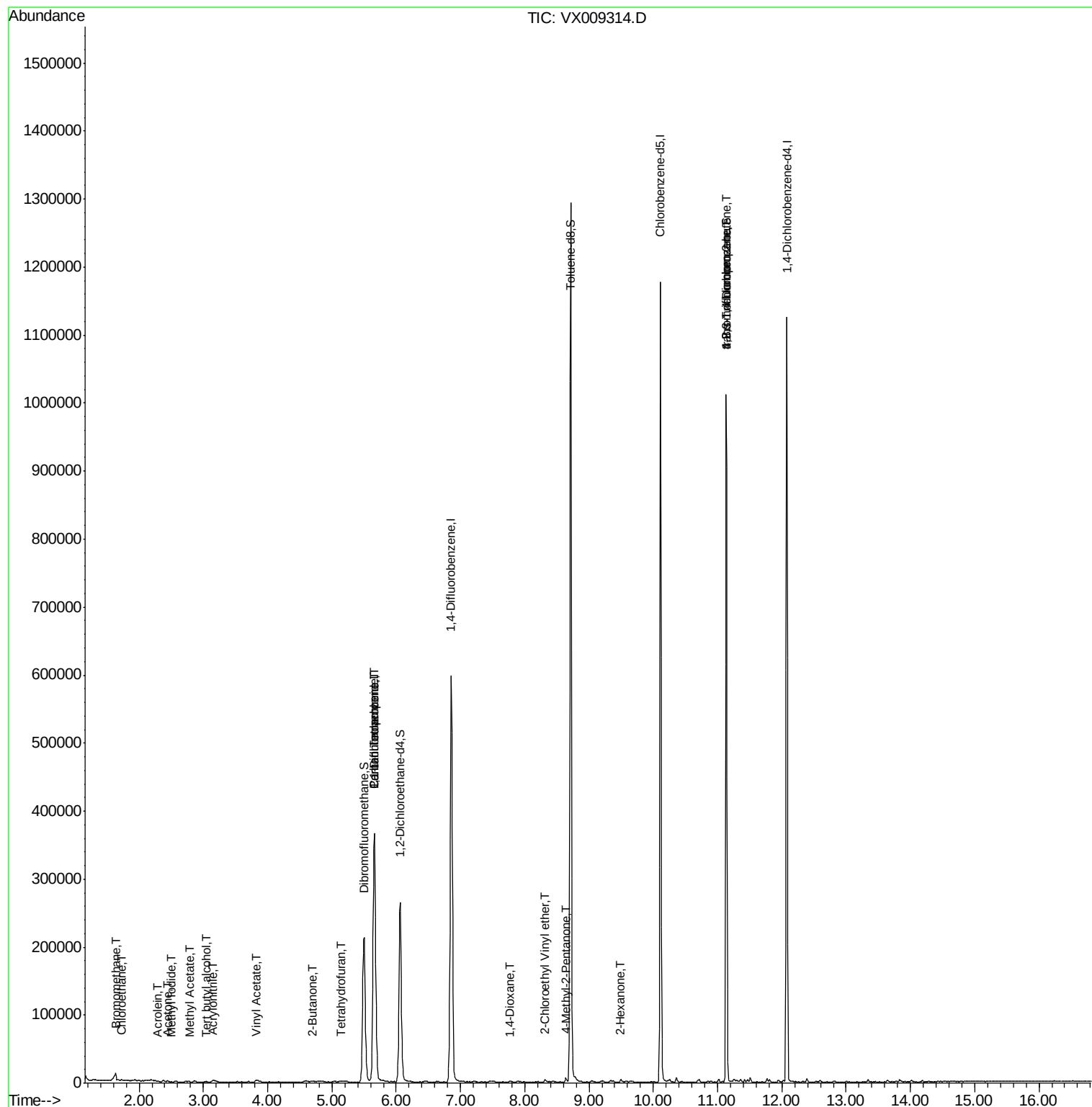
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	842	0.315	ug/l #	69
6) Chloroethane	1.73	64	642	0.224	ug/l #	87
10) Methyl Iodide	2.51	142	496	4.708	ug/l #	65
11) Tert butyl alcohol	3.04	59	769	0.670	ug/l #	80
13) Acrolein	2.29	56	720	0.693	ug/l	96
15) Acrylonitrile	3.15	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
28) Bromochloromethane	5.00	49	389	Below Cal	#	82
29) Tetrahydrofuran	5.13	42	1741	0.654	ug/l #	88
36) 1,1-Dichloropropene	5.67	75	27935	5.086	ug/l #	50
38) Carbon Tetrachloride	5.66	117	33362	6.685	ug/l #	15
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
76) 1,2,3-Trichloropropane	11.13	75	131969	24.286	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	131969	62.138	ug/l #	10

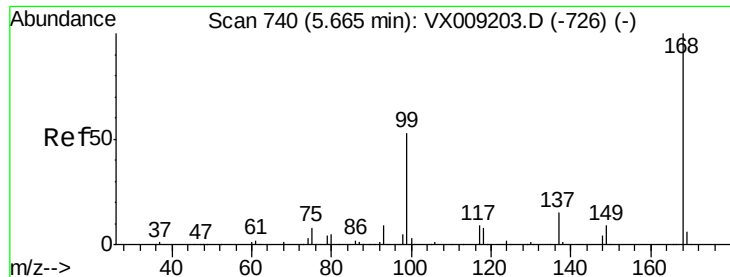
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 03 23:18:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 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 :

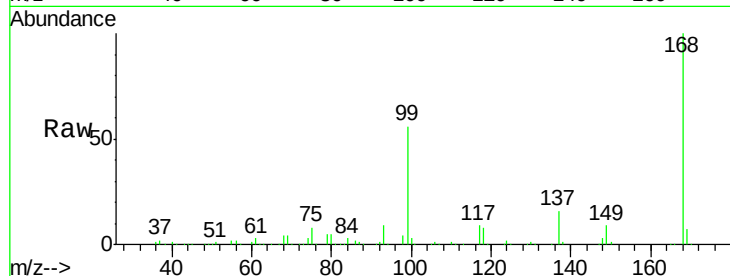
LOD-MDL-WATER-01-QT2-2019

Tot Ion:168 Resp: 363305

Ion Ratio Lower Upper

168 100

99 55.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

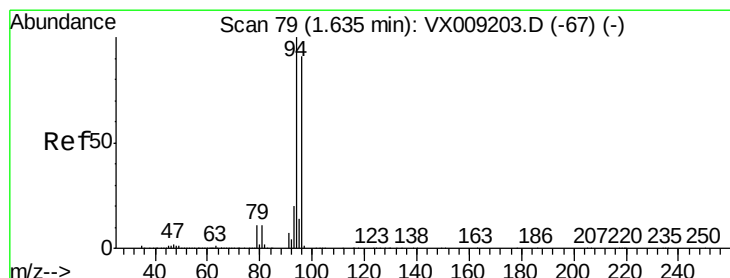
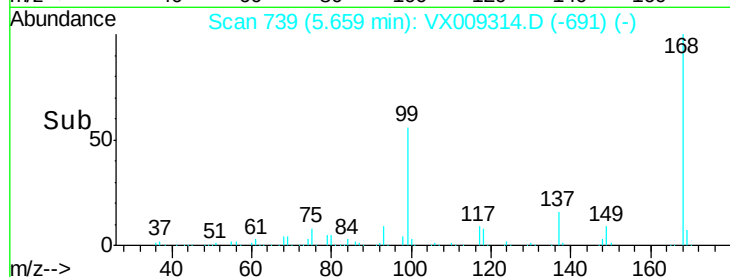
150000

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

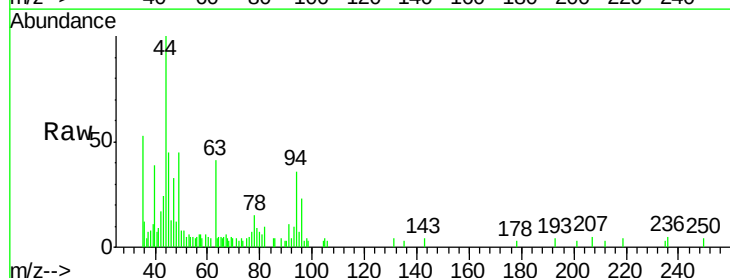
Acq: 03 May 2019 17:04

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

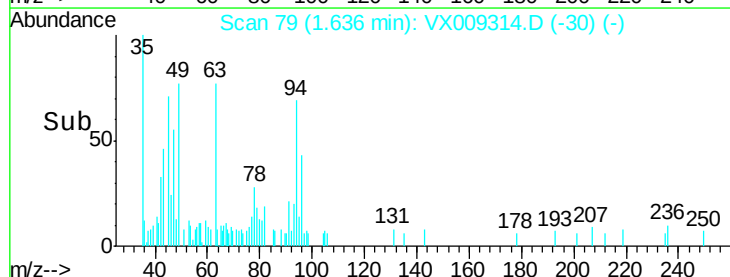
600

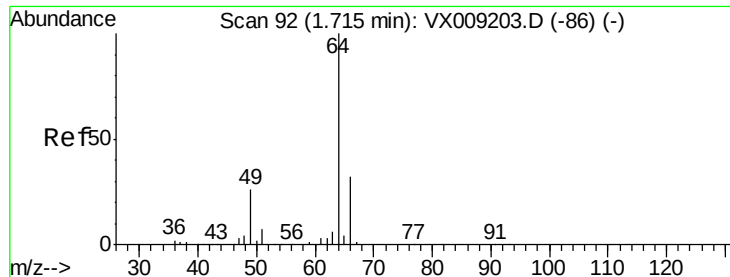
400

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 :

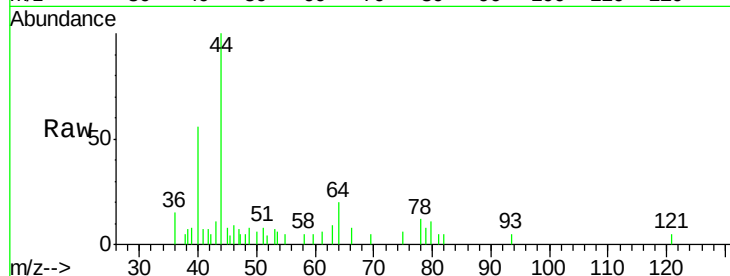
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 64 Resp: 642

Ion Ratio Lower Upper

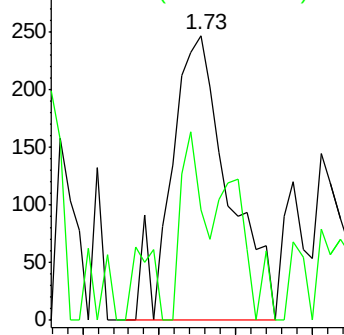
64 100

66 38.9 25.3 37.9#

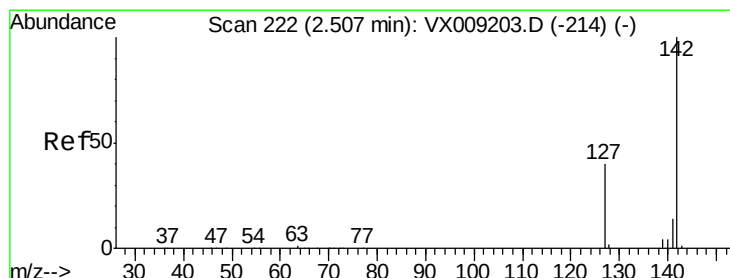
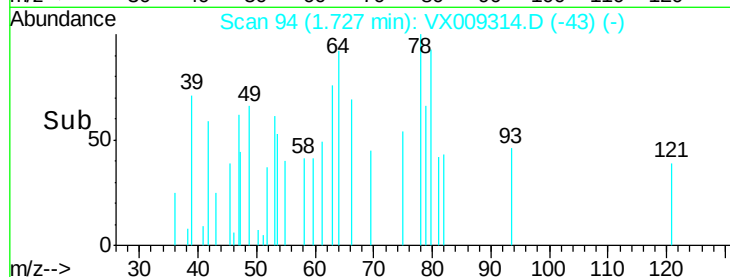


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.708 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

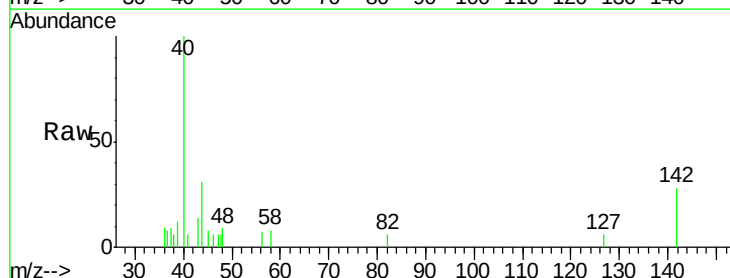
Tgt Ion: 142 Resp: 496

Ion Ratio Lower Upper

142 100

127 18.8 32.7 49.1#

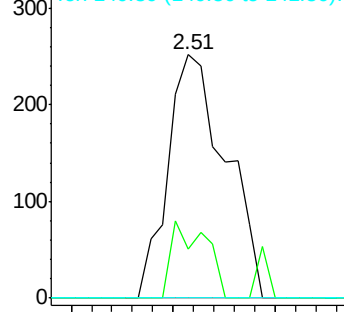
141 0.0 11.5 17.3#



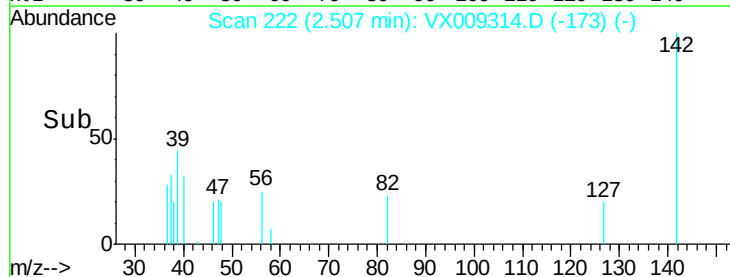
Abundance Ion 141.80 (141.50 to 142.50): V

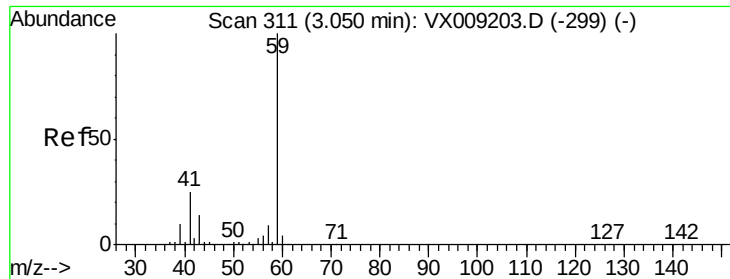
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

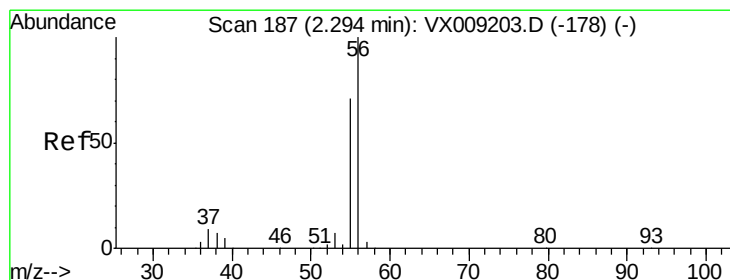
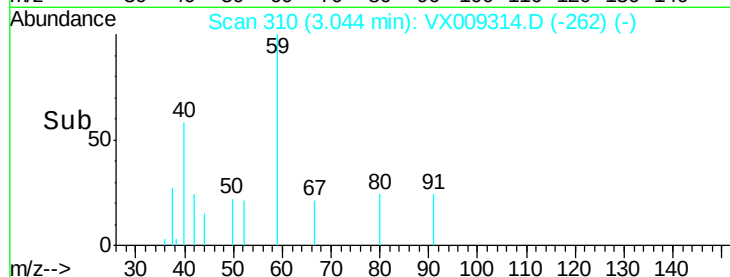
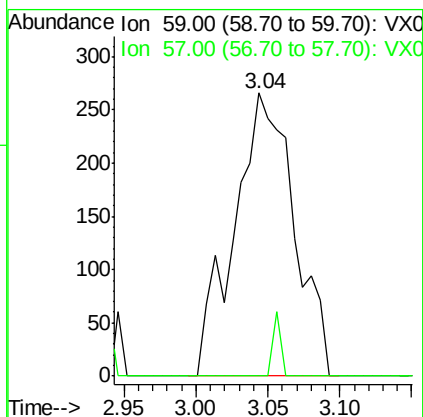
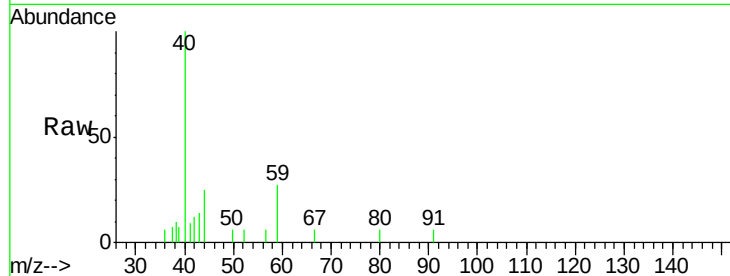




#11
Tert butyl alcohol
Concen: 0.670 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

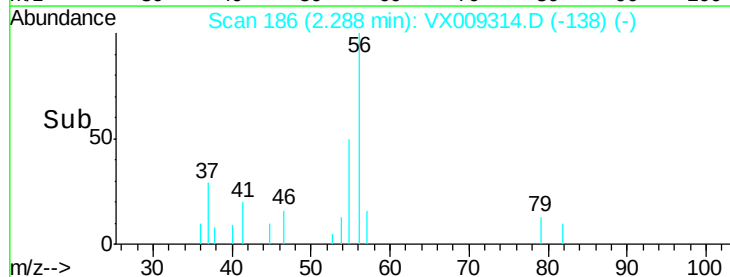
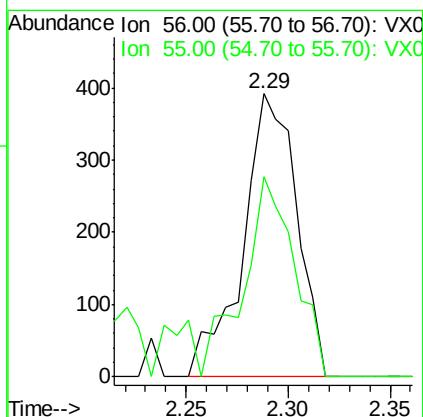
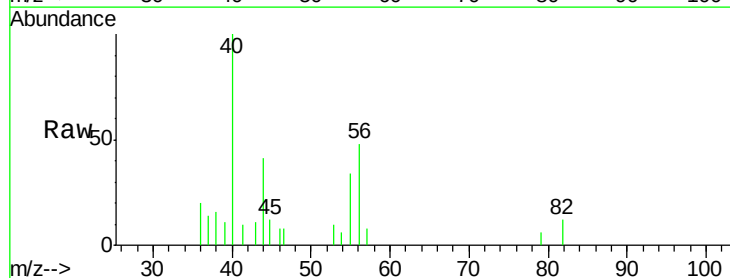
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

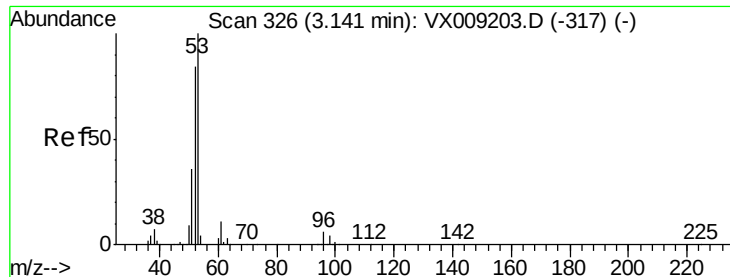
Tot Ion: 59 Resp: 769
Ion Ratio Lower Upper
59 100
57 2.9 8.2 12.2#



#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

Tgt Ion: 56 Resp: 720
Ion Ratio Lower Upper
56 100
55 67.4 56.6 85.0





#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

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

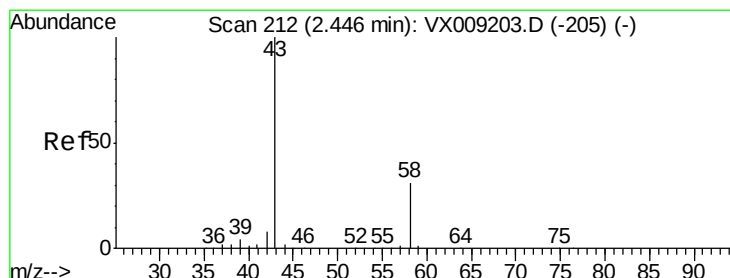
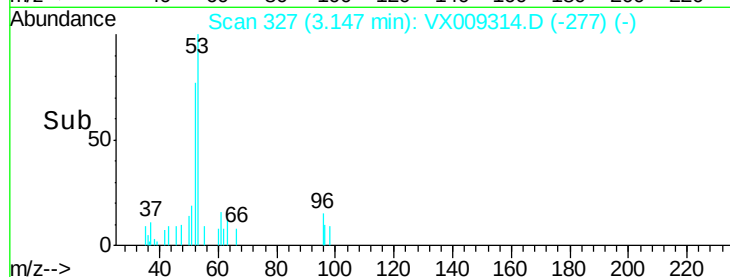
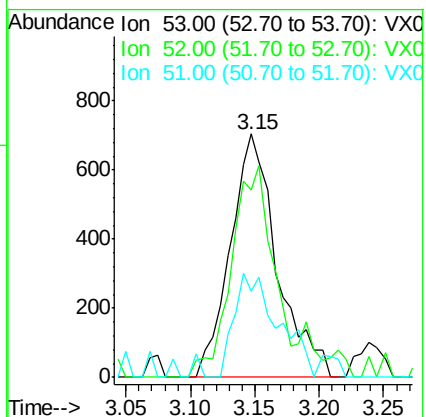
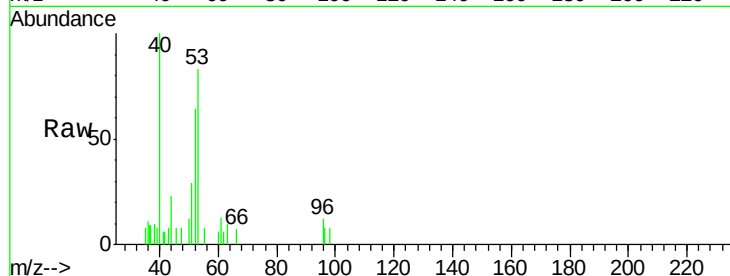
Tot Ion: 53 Resp: 1777

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

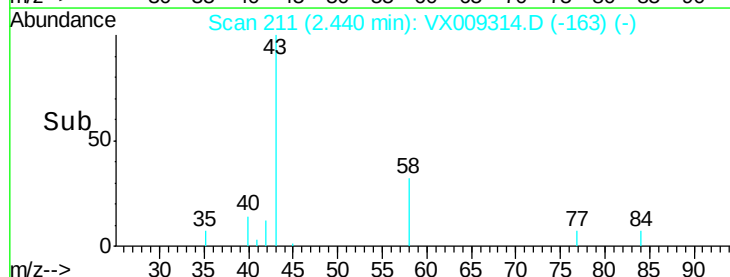
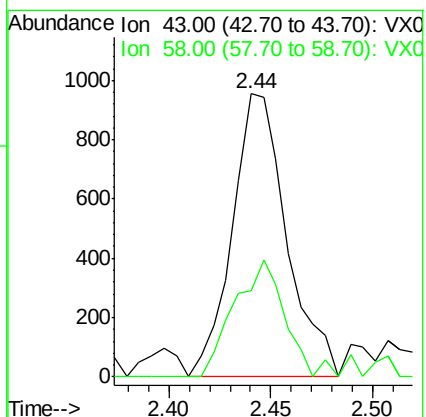
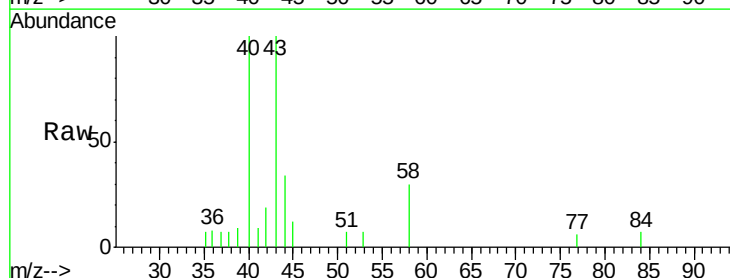
Acq: 03 May 2019 17:04

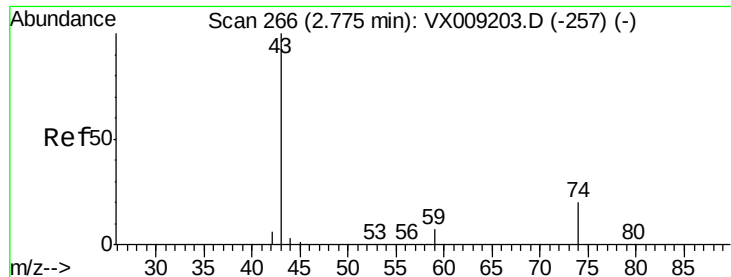
Tgt Ion: 43 Resp: 1765

Ion Ratio Lower Upper

43 100

58 30.3 24.9 37.3

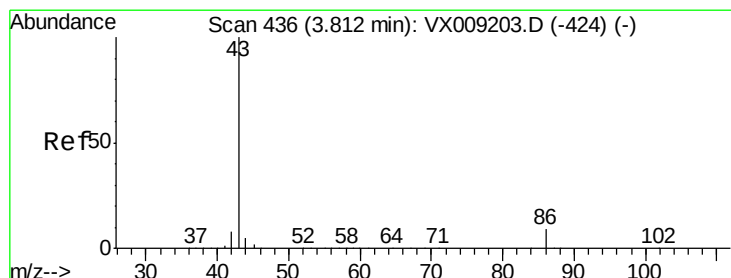
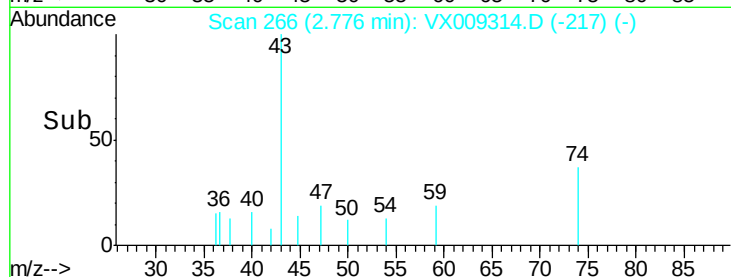
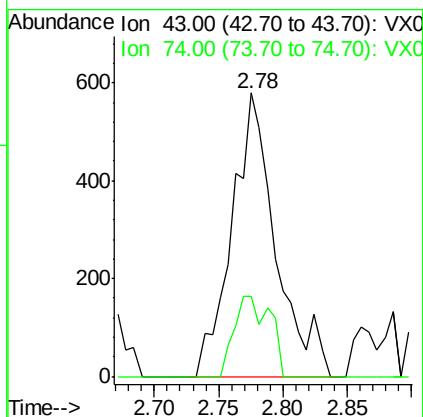
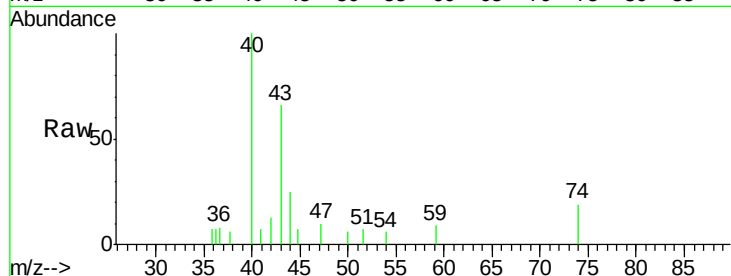




#18
Methvl Acetate
Concen: 0.216 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

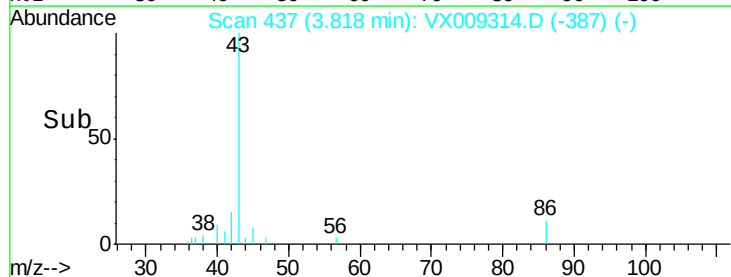
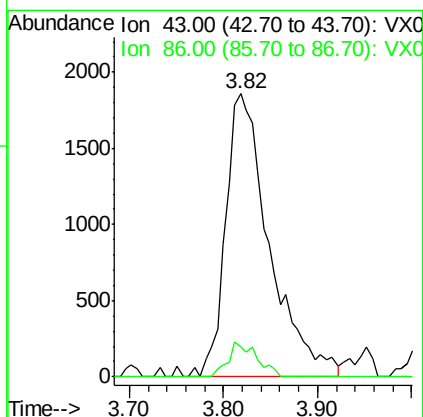
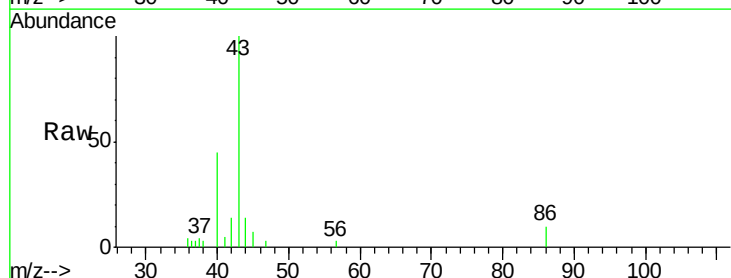
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

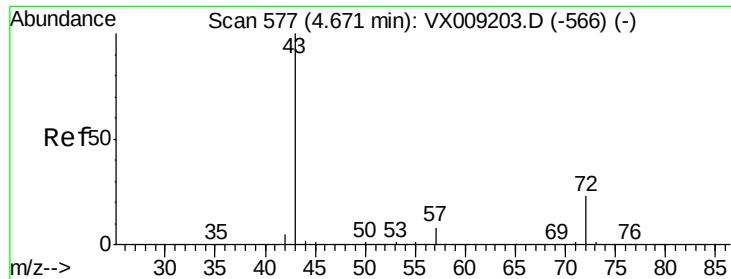
Tot Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
74 23.0 16.2 24.4



#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

Tgt Ion: 43 Resp: 6019
Ion Ratio Lower Upper
43 100
86 10.5 6.9 10.3#





#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

Instrument :

MSVOA_X

ClientSampleId :

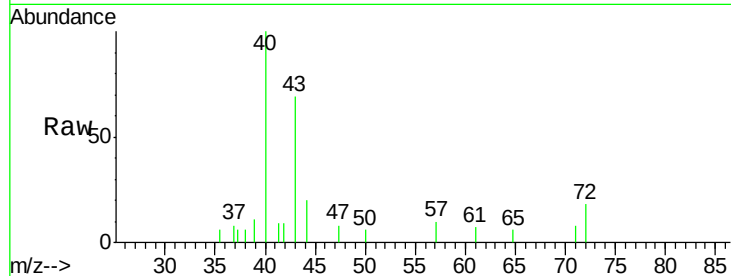
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 2496

Ion Ratio Lower Upper

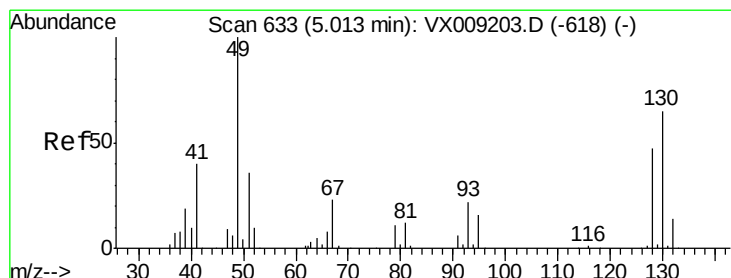
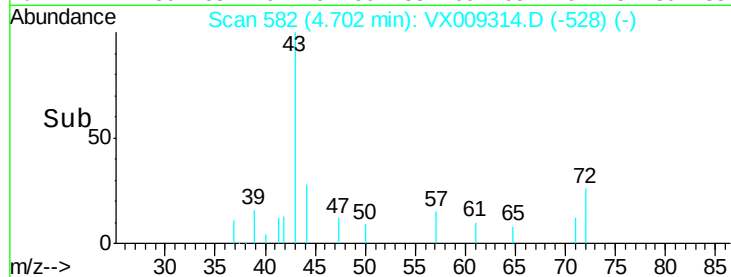
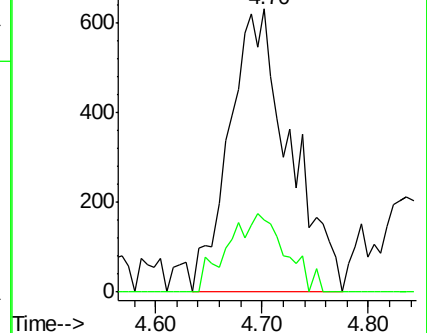
43 100

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



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009314.D

Acq: 03 May 2019 17:04

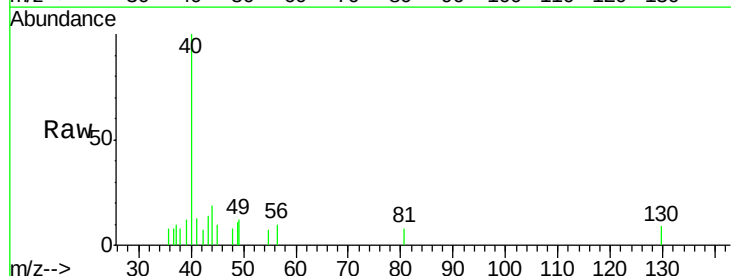
Tgt Ion: 49 Resp: 389

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

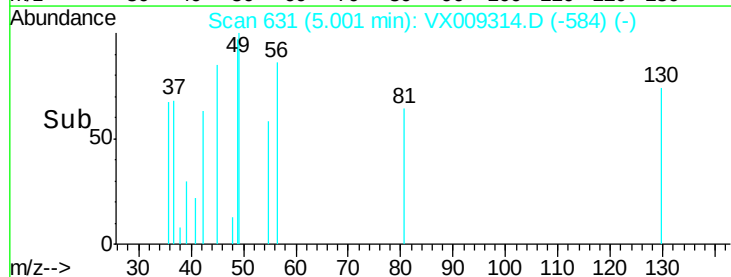
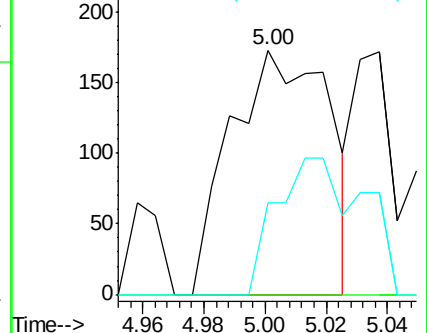
130 49.4 51.2 76.8#

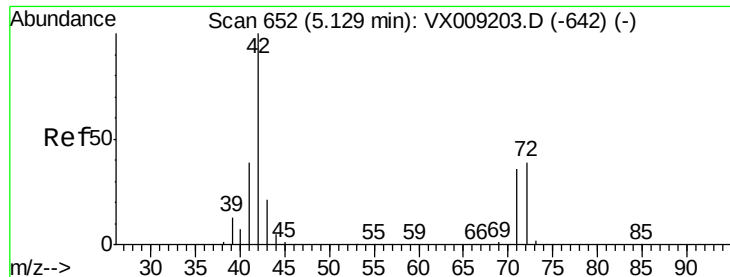


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#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

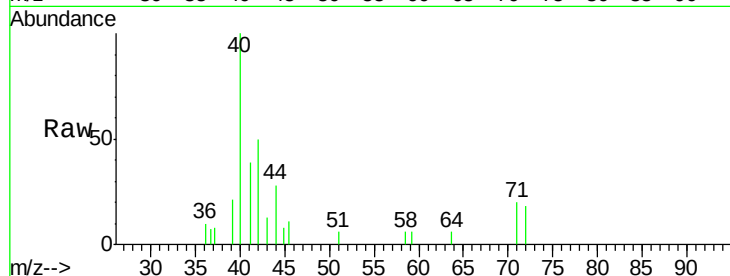
Tot Ion: 42 Resp: 1741

Ion Ratio Lower Upper

42 100

72 45.8 30.4 45.6#

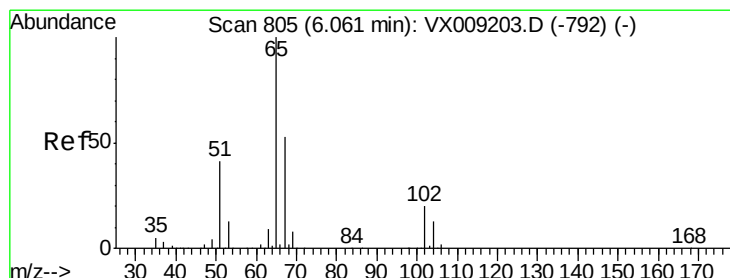
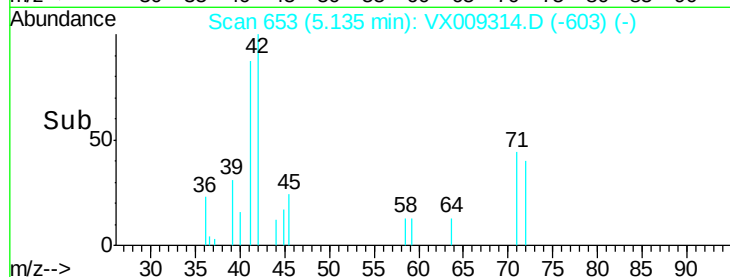
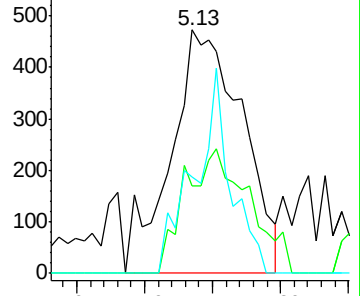
71 42.5 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#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

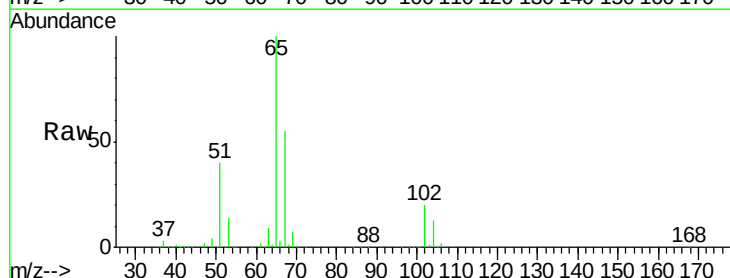
Acq: 03 May 2019 17:04

Tgt Ion: 65 Resp: 250797

Ion Ratio Lower Upper

65 100

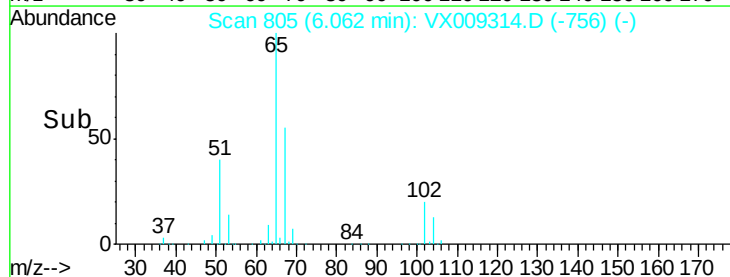
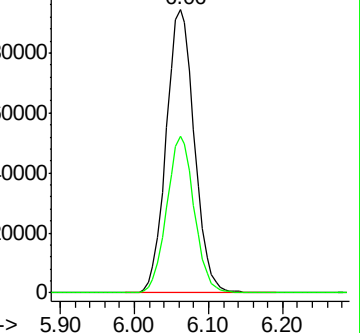
67 53.7 0.0 106.6

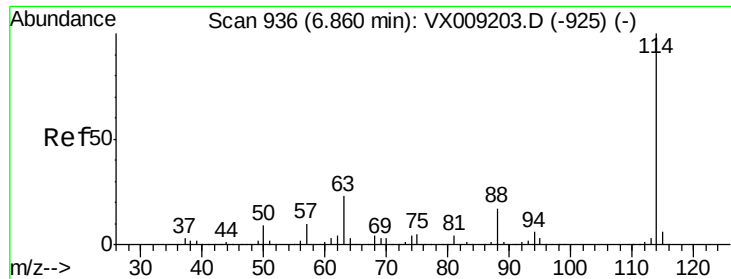


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

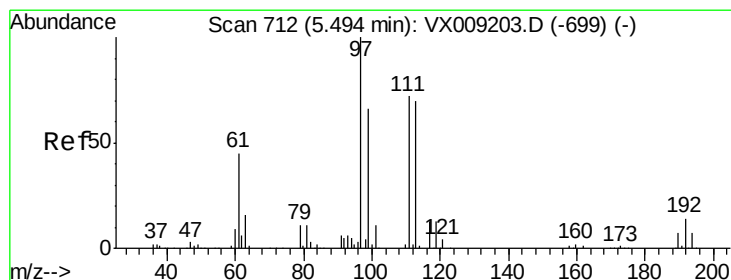
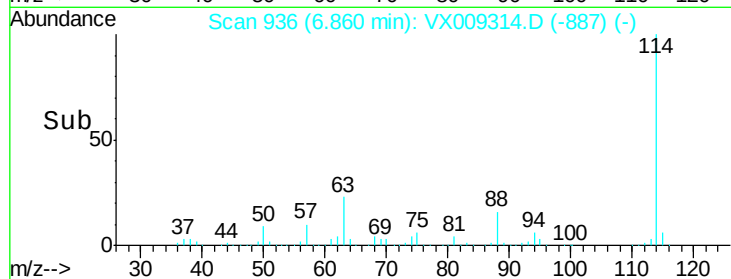
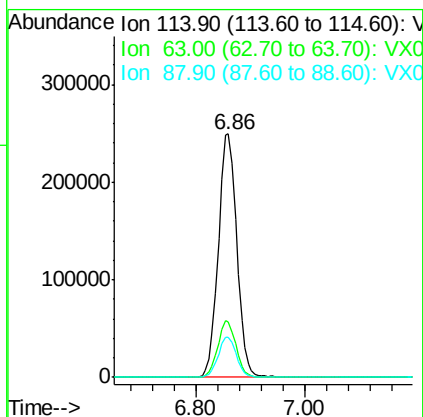
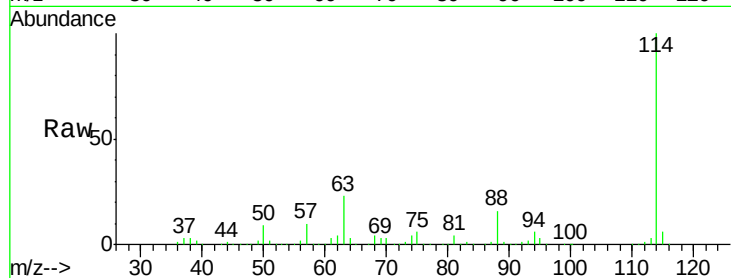




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

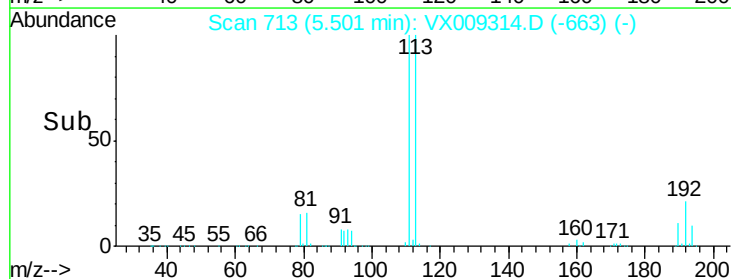
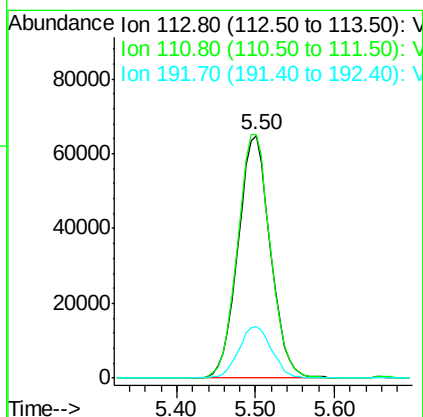
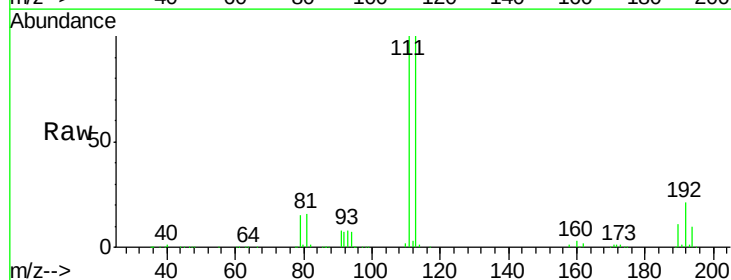
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

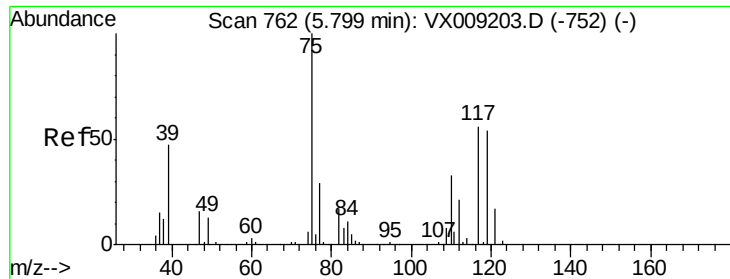
Tot Ion:114 Resp: 591061
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.3 0.0 33.2



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

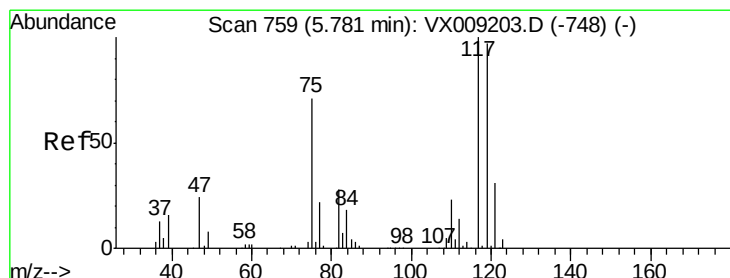
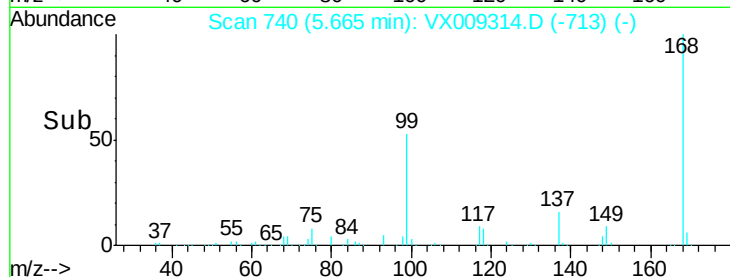
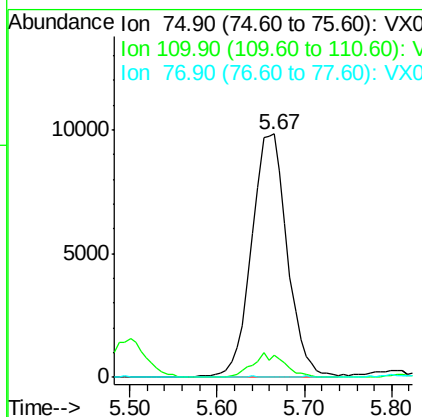
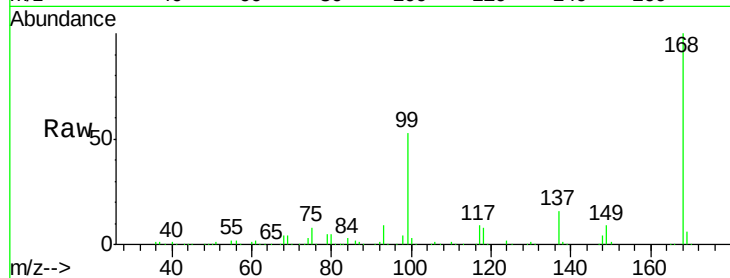




#36
 1,1-Dichloropropene
 Concen: 5.086 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

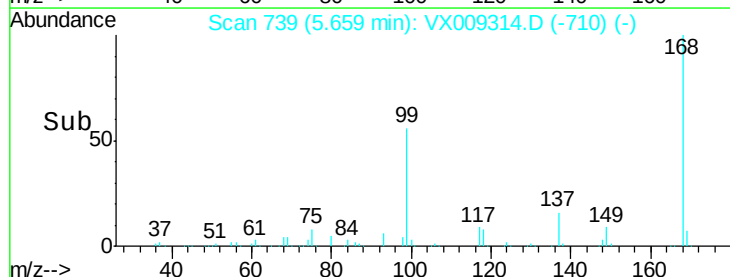
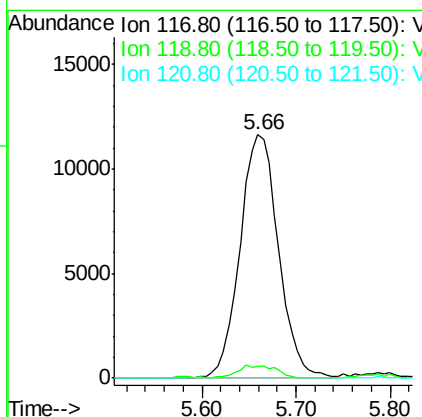
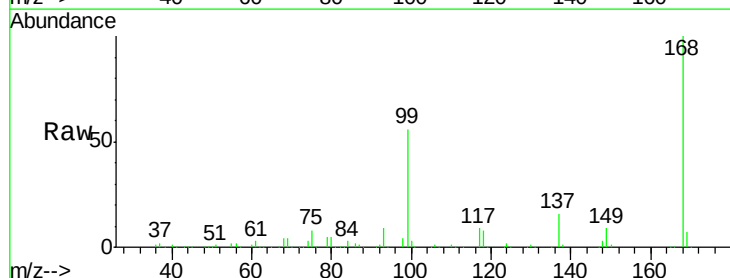
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

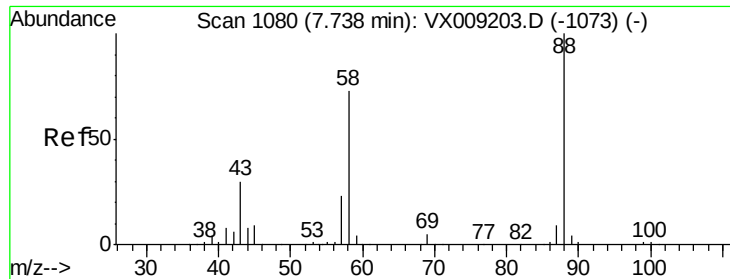
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.685 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.5	116.3#
121	0.0	24.7	37.1#

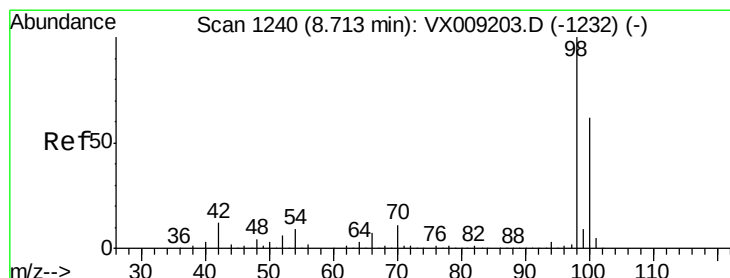
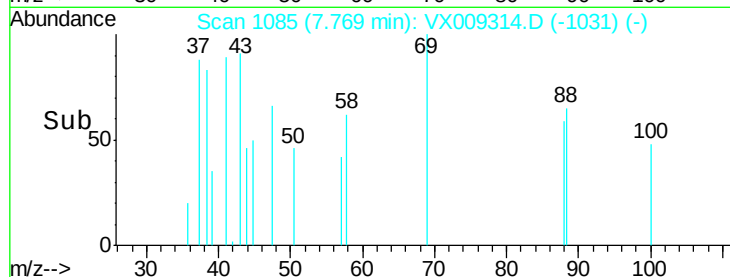
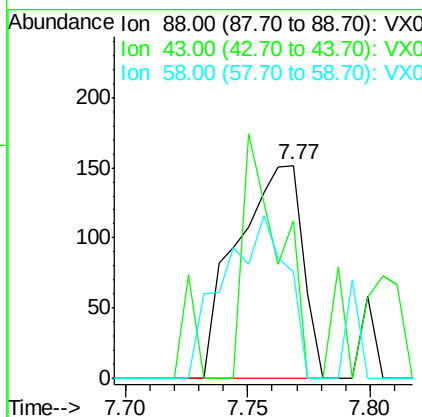
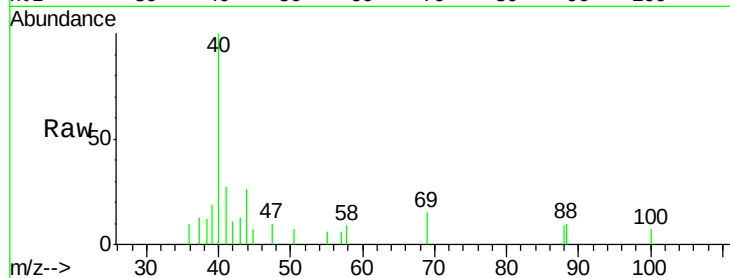




#49
 1,4-Dioxane
 Concen: 2.314 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

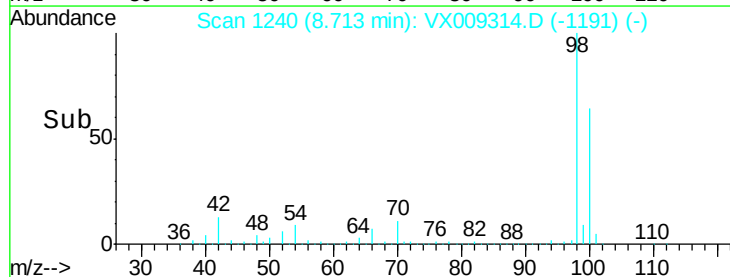
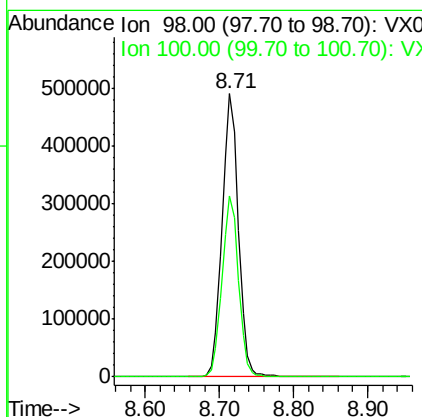
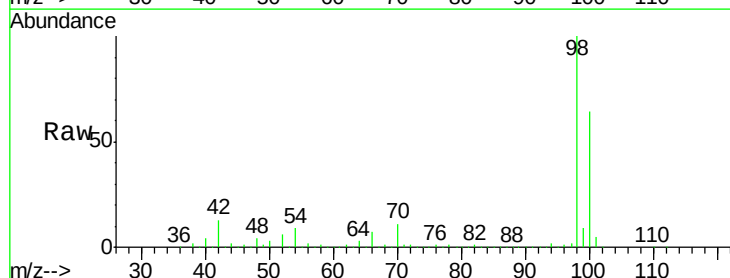
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

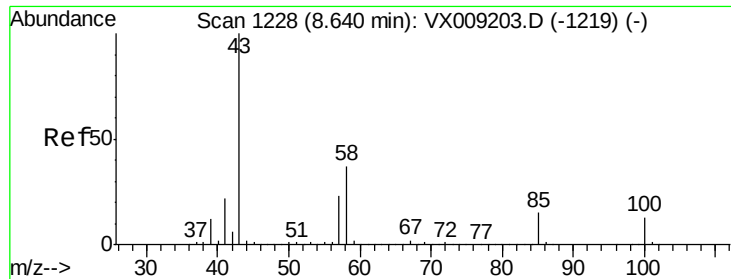
Tot Ion: 88 Resp: 285
 Ion Ratio Lower Upper
 88 100
 43 63.2 28.6 42.8#
 58 73.7 61.7 92.5



#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

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

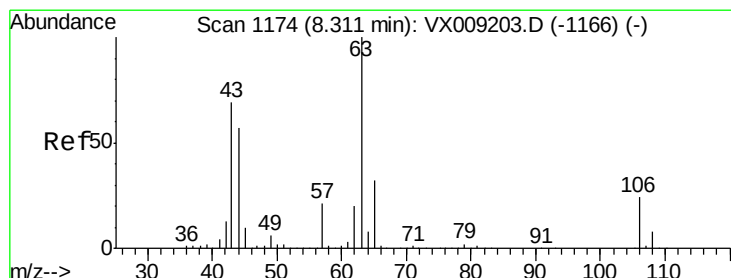
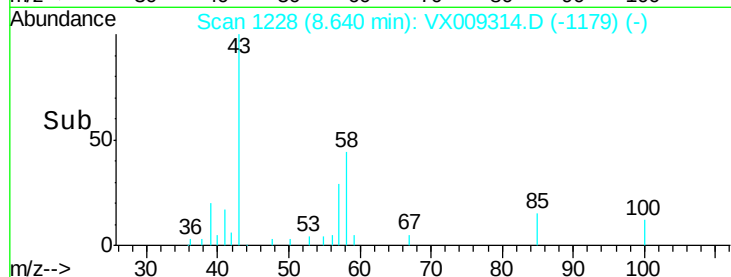
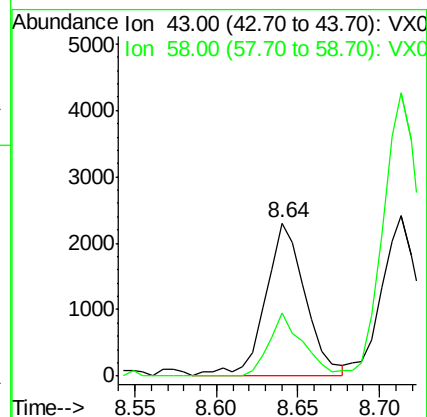
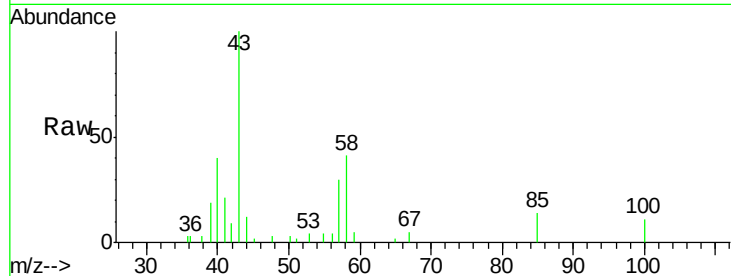




#51
 4-Methyl-2-Pentanone
 Concen: 0.491 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

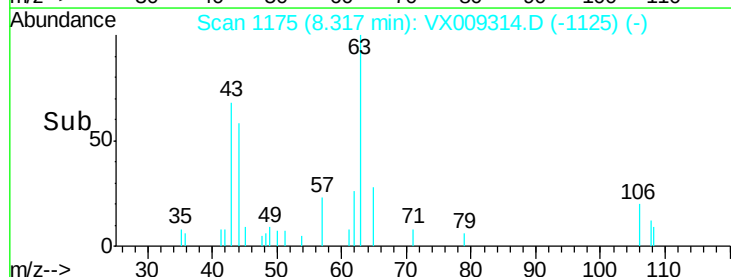
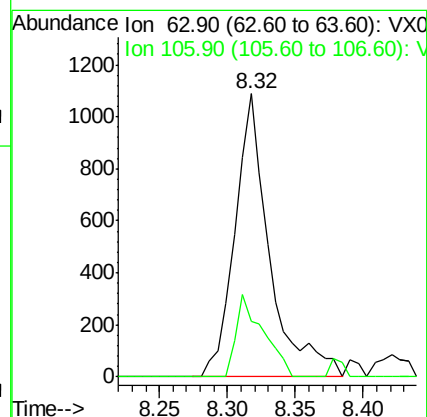
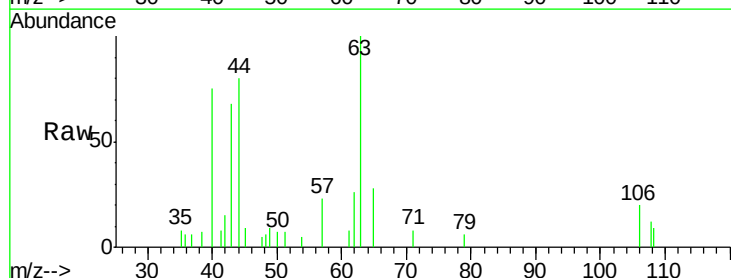
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

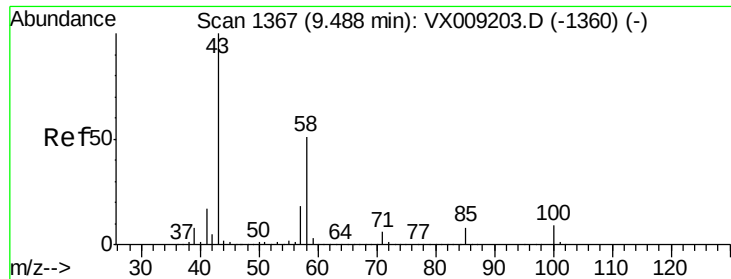
Tot Ion: 43 Resp: 3925
 Ion Ratio Lower Upper
 43 100
 58 34.6 29.5 44.3



#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

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

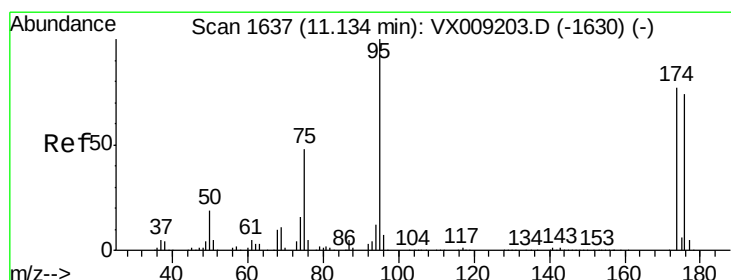
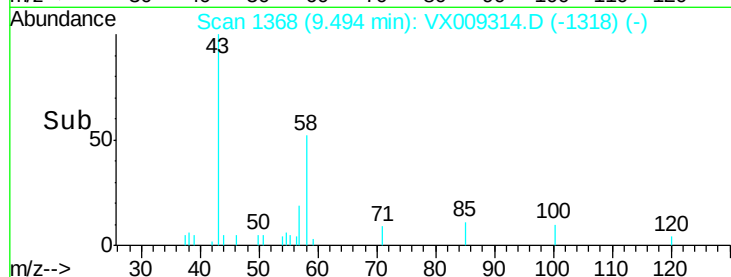
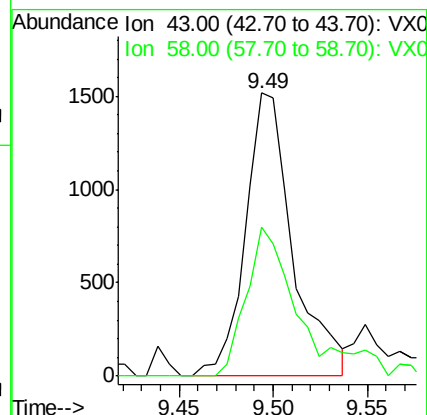
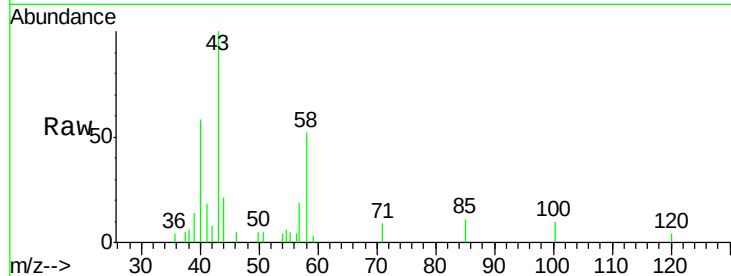




#59
2-Hexanone
Concen: 0.422 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

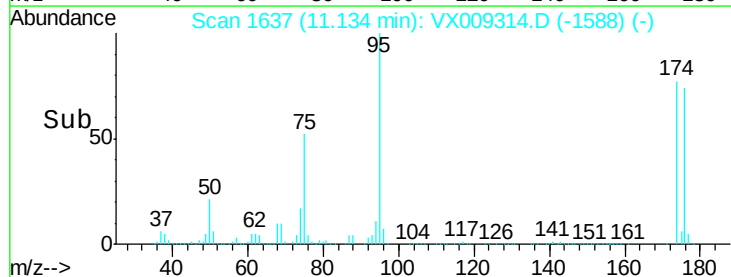
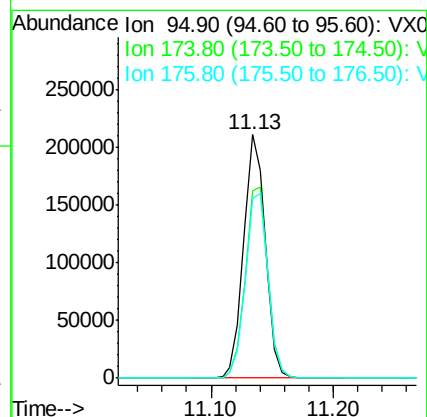
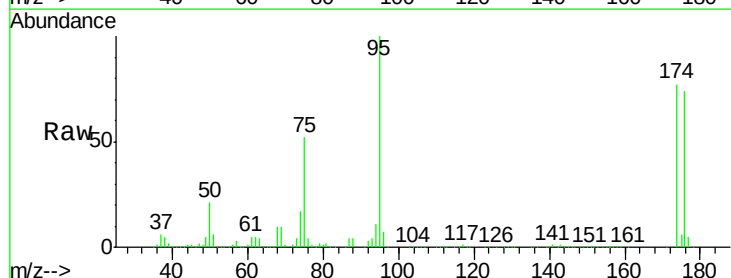
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

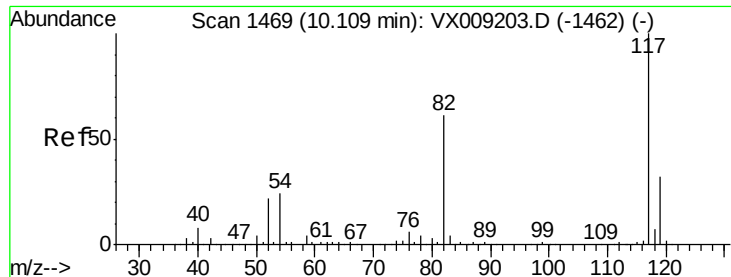
Tot Ion: 43 Resp: 2652
Ion Ratio Lower Upper
43 100
58 58.4 25.9 77.7



#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

Tgt Ion: 95 Resp: 256248
Ion Ratio Lower Upper
95 100
174 82.0 0.0 161.6
176 79.4 0.0 159.2

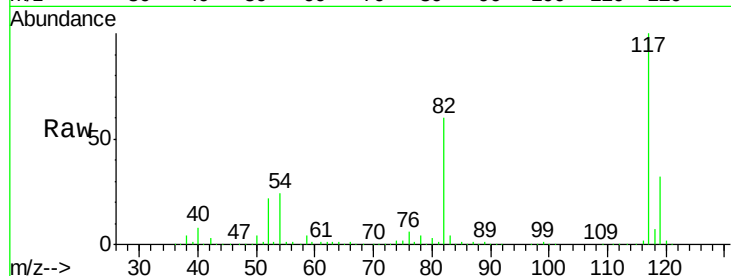




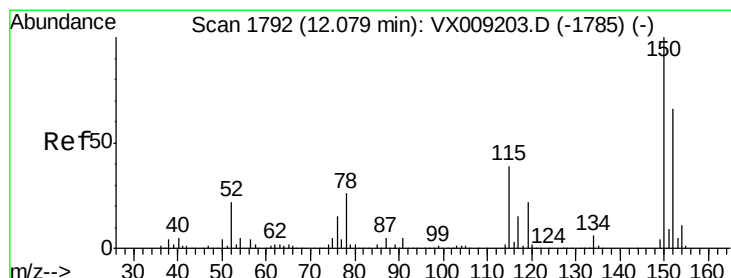
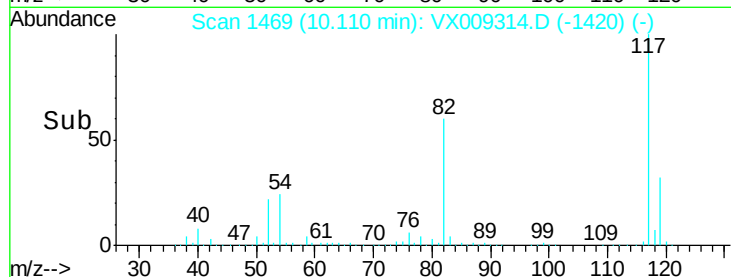
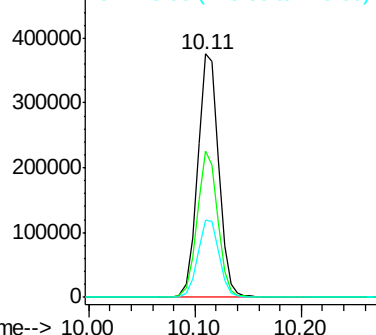
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

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

Tot Ion:117 Resp: 520542
Ion Ratio Lower Upper
117 100
82 59.9 48.8 73.2
119 31.9 25.8 38.6

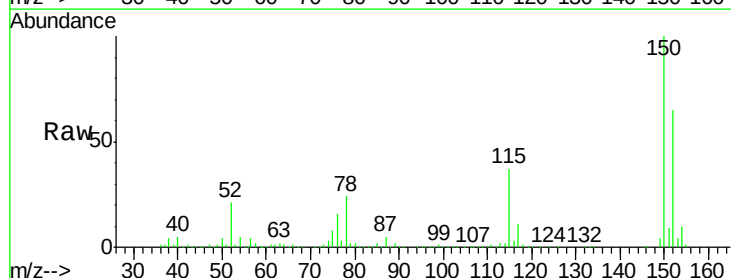


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

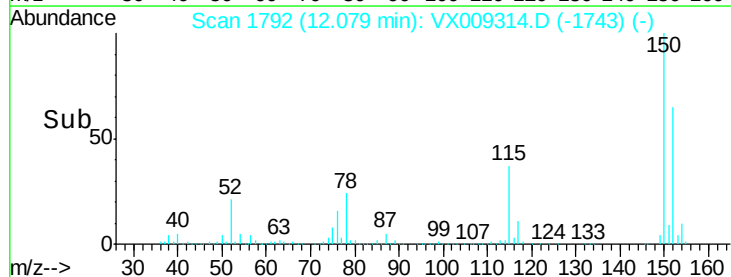
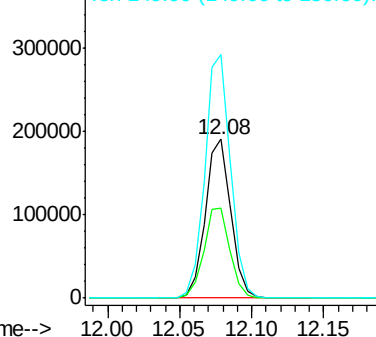


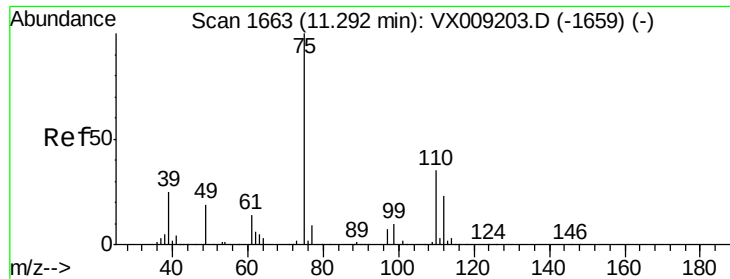
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009314.D
Acq: 03 May 2019 17:04

Tgt Ion:152 Resp: 234262
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 155.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

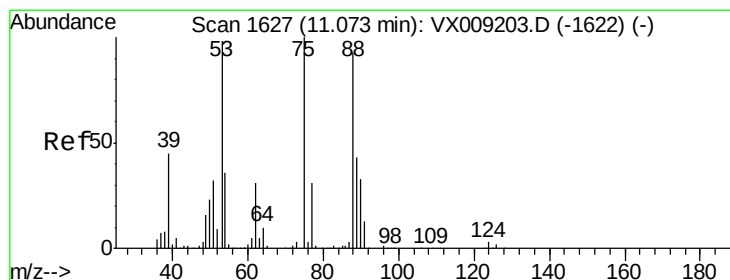
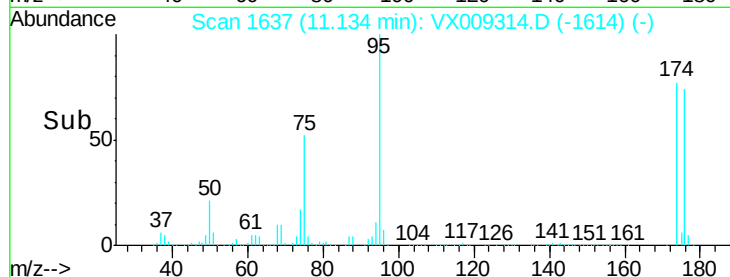
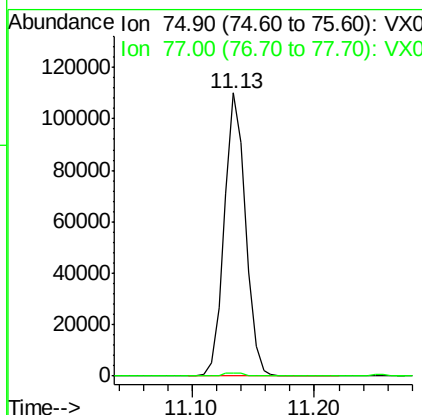
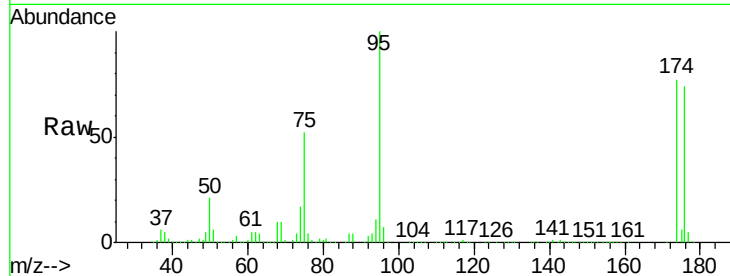




#76
 1,2,3-Trichloropropane
 Concen: 24.286 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

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

Tot Ion: 75 Resp: 131969
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.138 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009314.D
 Acq: 03 May 2019 17:04

Tgt Ion: 75 Resp: 131969
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

