

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049792.D
 Acq On : 13 Jul 2018 13:06
 Operator : MD\SY
 Sample : J3762-07 LOD/MDL 0.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 13 23:46:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1179500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1849733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1598984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	632135	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	794436	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	
35) Dibromofluoromethane	7.59	113	754569	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
50) Toluene-d8	10.09	98	2304691	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.40	95	708625	41.57	ug/l	0.00
Spiked Amount			Recovery	=	83.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	7652	Below Cal		92
3) Chloromethane	2.06	50	11332	Below Cal		100
5) Bromomethane	2.57	94	11085	Below Cal		92
6) Chloroethane	2.71	64	7269	0.69 ug/l		96
7) Trichlorofluoromethane	3.01	101	15972	0.71 ug/l		94
8) Diethyl Ether	3.41	74	2824	0.35 ug/l	#	1
9) 1,1,2-Trichlorotrifluoroet	3.75	101	5420	0.37 ug/l	#	39
10) Methyl Iodide	3.96	142	8902	0.48 ug/l		95
11) Tert butyl alcohol	4.79	59	436	0.47 ug/l	#	72
12) 1,1-Dichloroethene	3.73	96	8481	0.66 ug/l		87
13) Acrolein	3.61	56	2112	2.62 ug/l	#	1
14) Allyl chloride	4.33	41	13321	0.64 ug/l	#	38
15) Acrylonitrile	5.00	53	13698	2.98 ug/l	#	53
16) Acetone	3.83	43	14187	2.14 ug/l		98
17) Carbon Disulfide	4.05	76	26674	0.39 ug/l		98
18) Methyl Acetate	4.34	43	17924	0.84 ug/l		96
19) Methyl tert-butyl Ether	5.05	73	10795	0.31 ug/l		95
21) trans-1,2-Dichloroethene	5.05	96	8391	0.60 ug/l		95
22) Diisopropyl ether	5.96	45	24384	0.57 ug/l	#	87
23) Vinyl Acetate	5.91	43	74358	2.60 ug/l		95
24) 1,1-Dichloroethane	5.85	63	16384	0.61 ug/l		97
25) 2-Butanone	6.84	43	16253	3.04 ug/l		90
26) 2,2-Dichloropropane	6.83	77	15955	0.72 ug/l		96
27) cis-1,2-Dichloroethene	6.83	96	9613	0.60 ug/l		94
29) Tetrahydrofuran	7.22	42	9894	2.95 ug/l	#	79
30) Chloroform	7.37	83	18627	0.67 ug/l		87
31) Cyclohexane	7.66	56	30545	1.18 ug/l	#	3
32) 1,1,1-Trichloroethane	7.57	97	15466	0.66 ug/l	#	50
36) 1,1-Dichloropropene	7.79	75	13376	0.63 ug/l		94
37) Ethyl Acetate	6.94	43	4727	0.37 ug/l	#	93
38) Carbon Tetrachloride	7.77	117	15131	0.68 ug/l		92
39) Methylcyclohexane	9.08	83	12646	0.56 ug/l		88
40) Benzene	8.04	78	37945	0.60 ug/l		91
41) Methacrylonitrile	7.18	41	2359	0.33 ug/l	#	79

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	13011	0.62	ug/l	92
43) Isopropyl Acetate	8.17	43	12178	0.54	ug/l	97
44) Trichloroethene	8.83	130	10775	0.63	ug/l	92
45) 1,2-Dichloropropane	9.12	63	9530	0.56	ug/l	98
46) Dibromomethane	9.21	93	5979	0.59	ug/l	99
47) Bromodichloromethane	9.41	83	14292	0.64	ug/l	98
48) Methyl methacrylate	9.20	41	5089	0.45	ug/l #	84
49) 1,4-Dioxane	9.20	88	1514	10.19	ug/l #	74
51) 4-Methyl-2-Pentanone	9.99	43	29666	2.41	ug/l	96
52) Toluene	10.16	92	22992	0.60	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	11154	0.52	ug/l #	75
54) cis-1,3-Dichloropropene	9.84	75	12592	0.51	ug/l #	90
56) Ethyl methacrylate	10.43	69	8740	0.51	ug/l	95
57) 1,3-Dichloropropane	10.71	76	13730	0.56	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	16620	2.01	ug/l	100
59) 2-Hexanone	10.76	43	19130	2.34	ug/l	91
60) Dibromochloromethane	10.90	129	10265	0.61	ug/l	89
61) 1,2-Dibromoethane	11.01	107	7959	0.57	ug/l	95
64) Tetrachloroethene	10.63	164	8879	0.61	ug/l	91
65) Chlorobenzene	11.44	112	24834	0.60	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	8989	0.57	ug/l #	59
67) Ethyl Benzene	11.51	91	35948	0.53	ug/l	99
68) m/p-Xylenes	11.62	106	25934	1.01	ug/l	94
69) o-Xylene	11.95	106	10870	0.44	ug/l	87
70) Styrene	11.97	104	16779	0.43	ug/l	96
71) Bromoform	12.13	173	5802	0.55	ug/l #	91
73) Isopropylbenzene	12.25	105	29346	0.56	ug/l	94
74) N-amyl acetate	12.07	43	6919	0.51	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	10319	Below	Cal	99
76) 1,2,3-Trichloropropane	12.55	75	10848	0.97	ug/l #	100
77) Bromobenzene	12.53	156	10567	0.76	ug/l	88
78) n-propylbenzene	12.59	91	36421	0.61	ug/l	97
79) 2-Chlorotoluene	12.68	91	23657	0.65	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	24128	0.58	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	346177	99.55	ug/l #	13
82) 4-Chlorotoluene	12.77	91	21519	0.60	ug/l	98
83) tert-Butylbenzene	12.99	119	21109	0.57	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	21560	0.51	ug/l	99
85) sec-Butylbenzene	13.17	105	27012	0.55	ug/l	98
86) p-Isopropyltoluene	13.29	119	20007	0.48	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	13936	0.58	ug/l	95
88) 1,4-Dichlorobenzene	13.29	146	13936	0.59	ug/l	94
89) n-Butylbenzene	13.62	91	15375	0.45	ug/l	95
90) Hexachloroethane	13.88	117	5769	Below	Cal	95
91) 1,2-Dichlorobenzene	13.66	146	15254	0.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1775	0.47	ug/l	69
93) 1,2,4-Trichlorobenzene	14.91	180	5112	3.26	ug/l	99
94) Hexachlorobutadiene	15.01	225	5796	Below	Cal	91
95) Naphthalene	15.13	128	9534	4.34	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	5996	0.52	ug/l	92

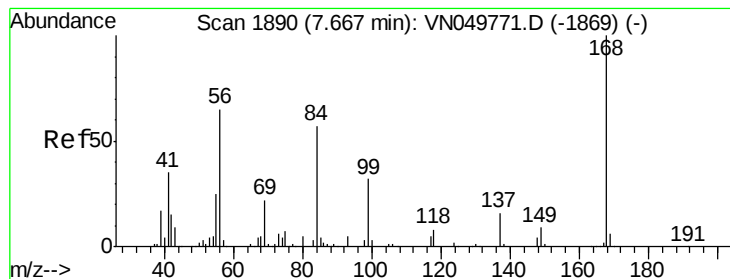
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

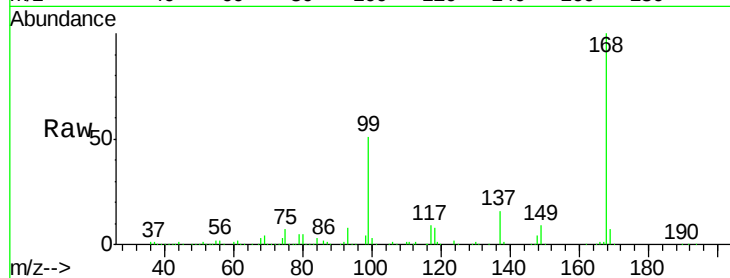
LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 1179500

Ion Ratio Lower Upper

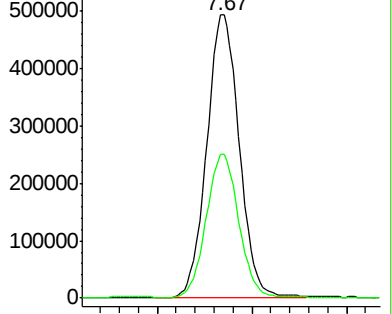
168 100

99 50.4 40.6 61.0

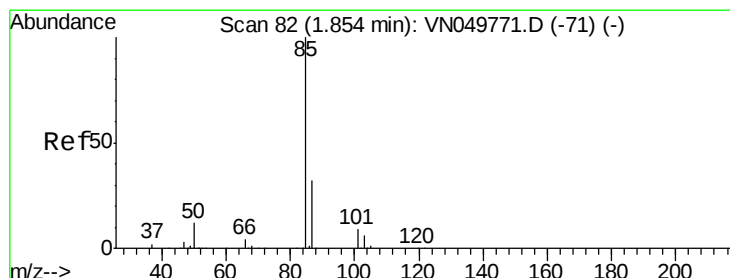
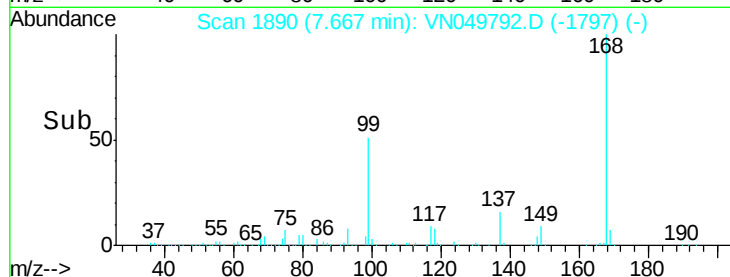


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049792.D

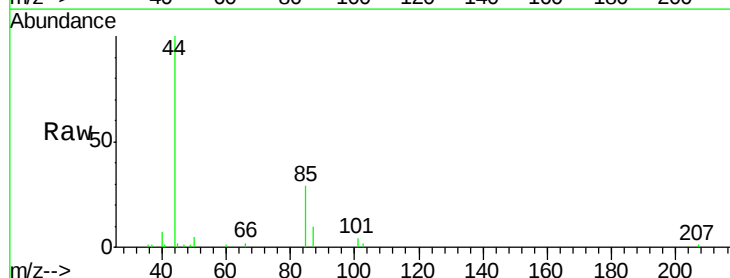
Acq: 13 Jul 2018 13:06

Tgt Ion: 85 Resp: 7652

Ion Ratio Lower Upper

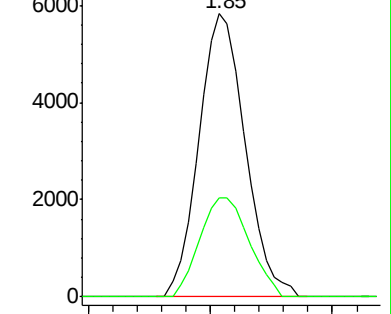
85 100

87 35.0 15.4 46.1

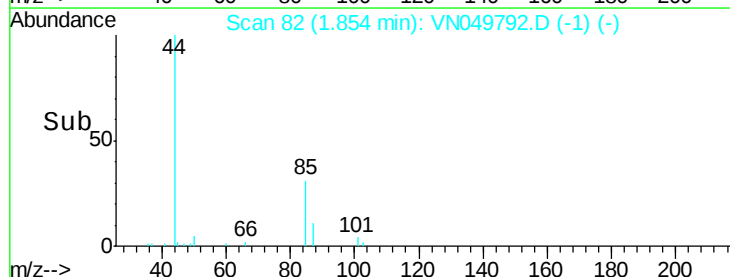


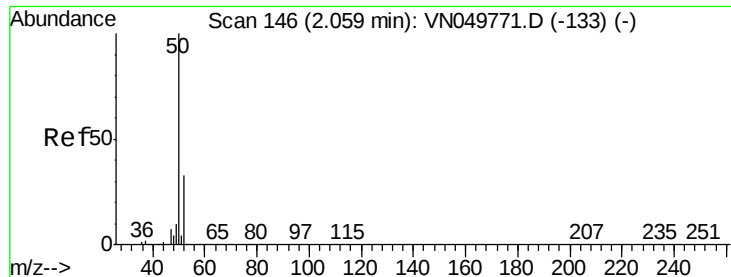
Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0



Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

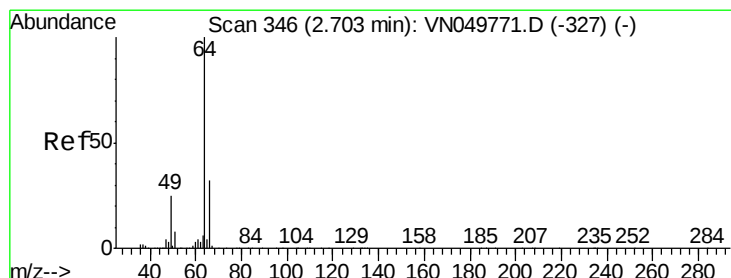
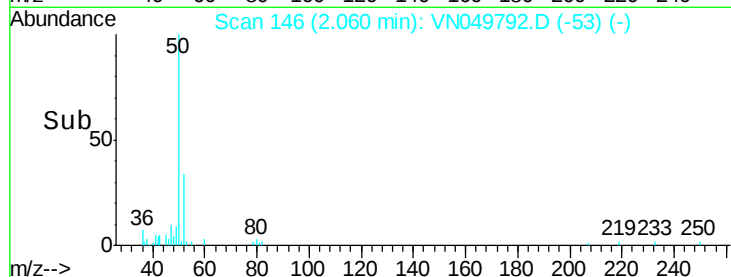
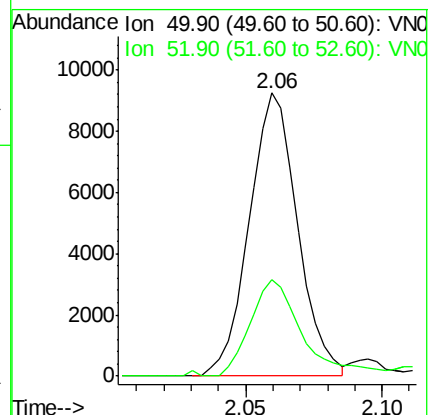
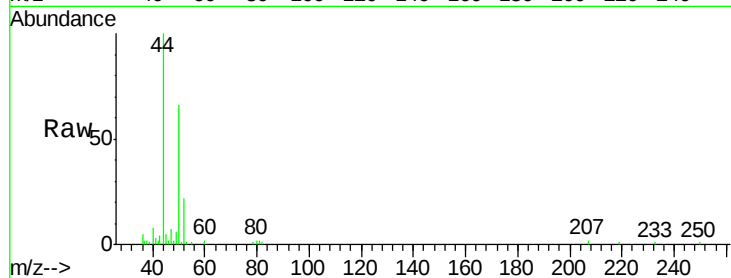
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 11332

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#6

Chloroethane

Concen: 0.69 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049792.D

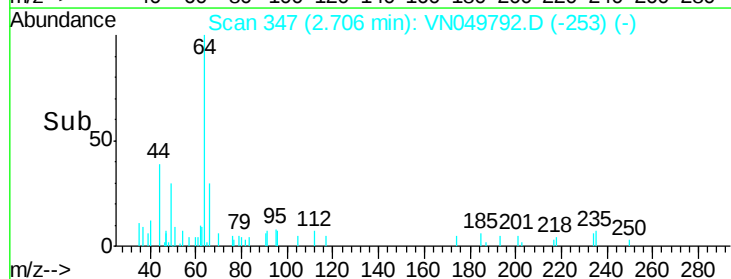
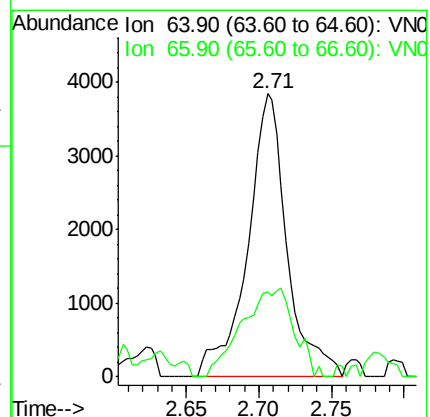
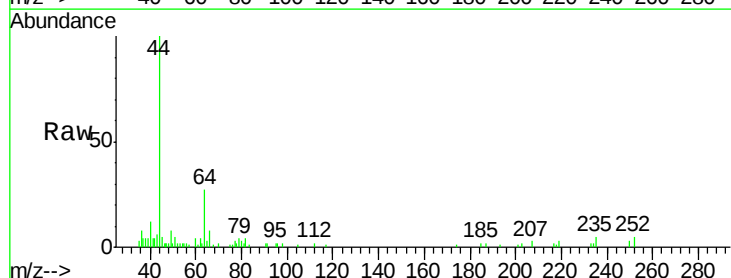
Acq: 13 Jul 2018 13:06

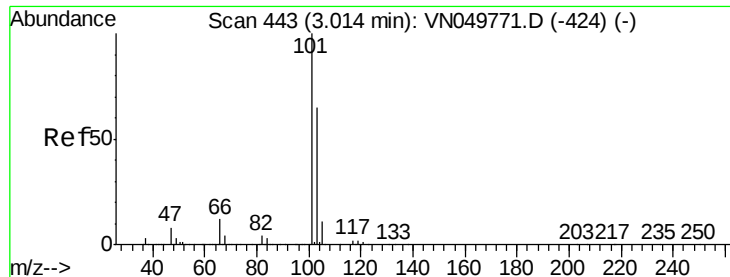
Tgt Ion: 64 Resp: 7269

Ion Ratio Lower Upper

64 100

66 30.0 25.6 38.4





#7

Trichlorofluoromethane

Concen: 0.71 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

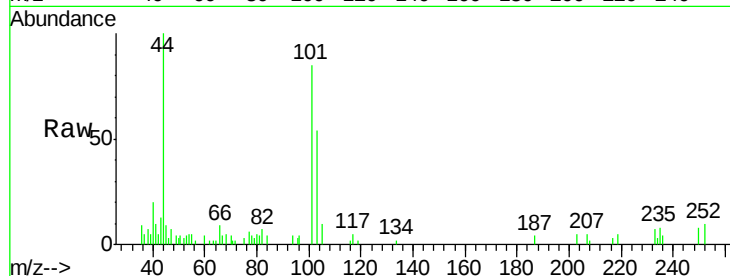
LOD-MDL-WATER-01-QT3-2018

Tot Ion:101 Resp: 15972

Ion Ratio Lower Upper

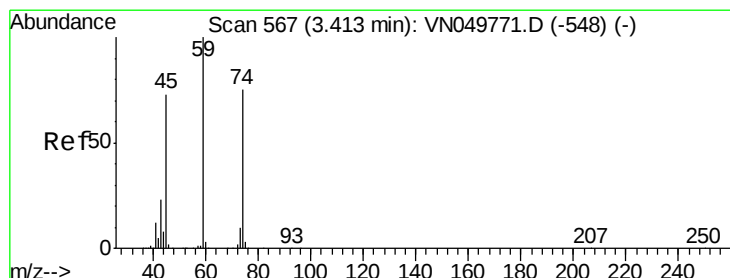
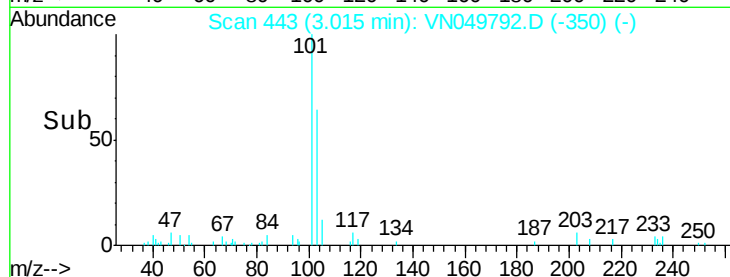
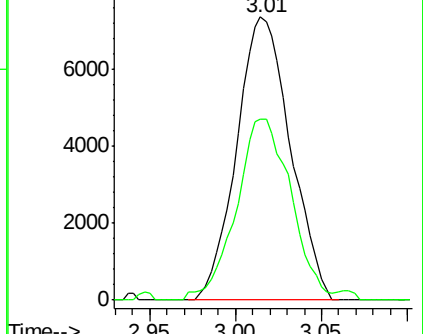
101 100

103 61.3 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.35 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049792.D

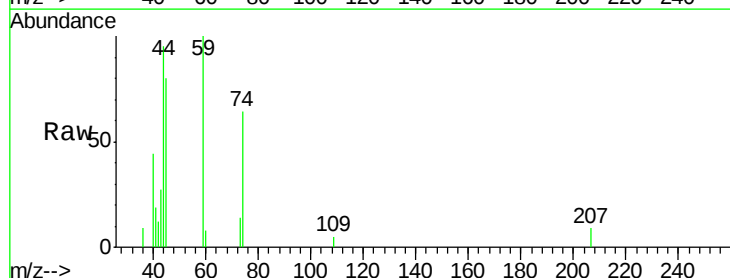
Acq: 13 Jul 2018 13:06

Tgt Ion: 74 Resp: 2824

Ion Ratio Lower Upper

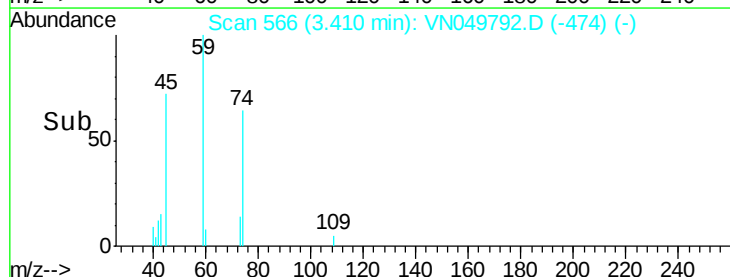
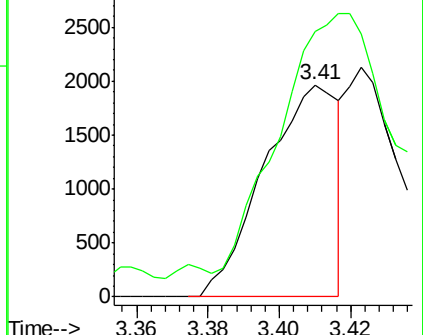
74 100

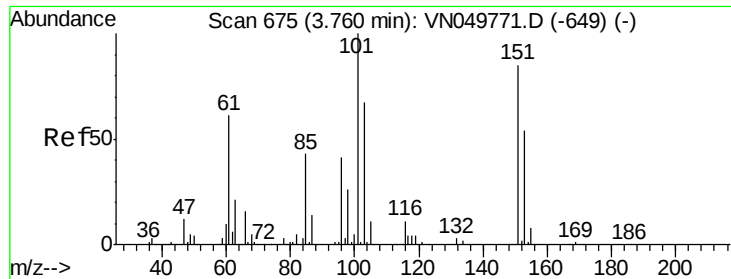
45 229.7 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.37 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

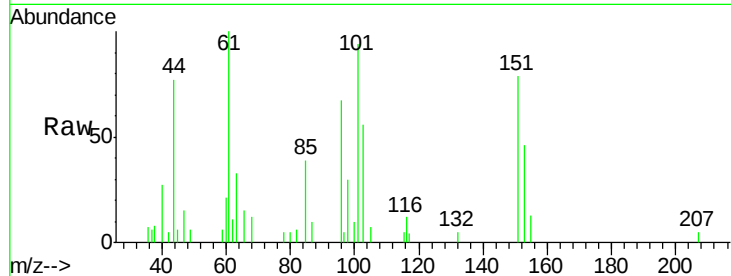
Tot Ion:101 Resp: 5420

Ion Ratio Lower Upper

101 100

85 50.2 34.4 51.6

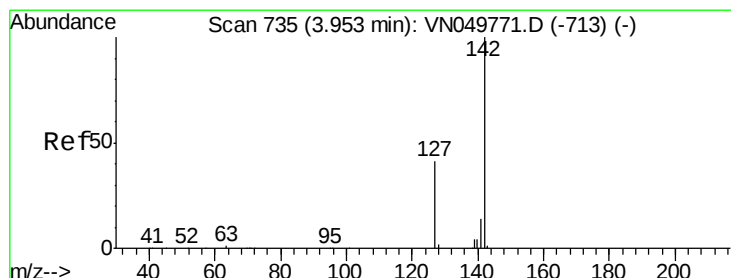
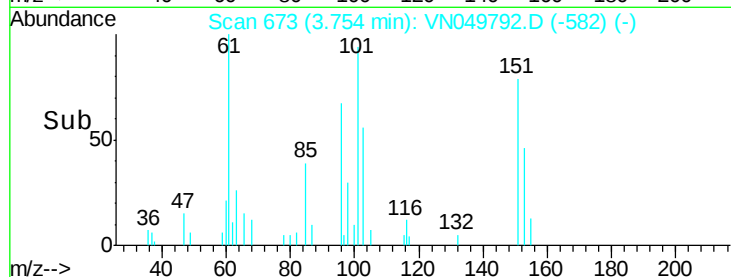
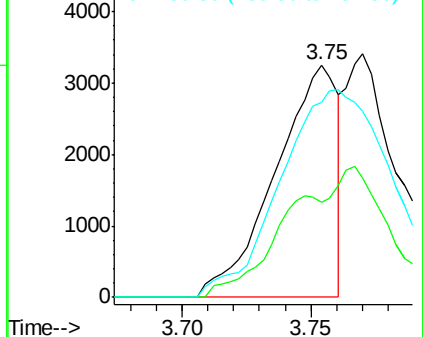
151 160.8 66.2 99.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.48 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

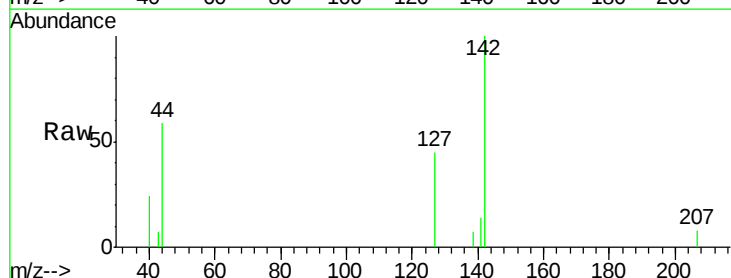
Tgt Ion:142 Resp: 8902

Ion Ratio Lower Upper

142 100

127 44.5 32.5 48.7

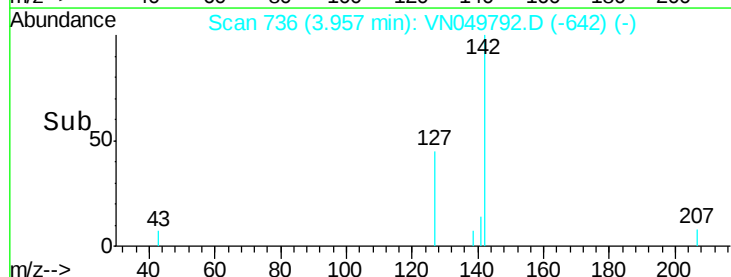
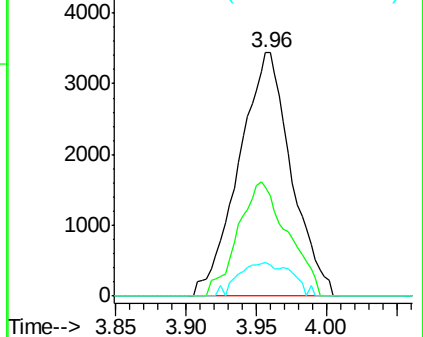
141 13.9 11.1 16.7

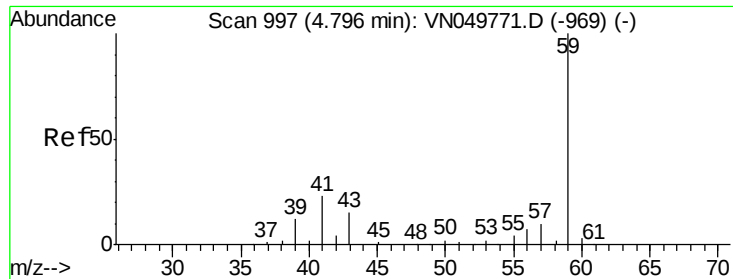


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

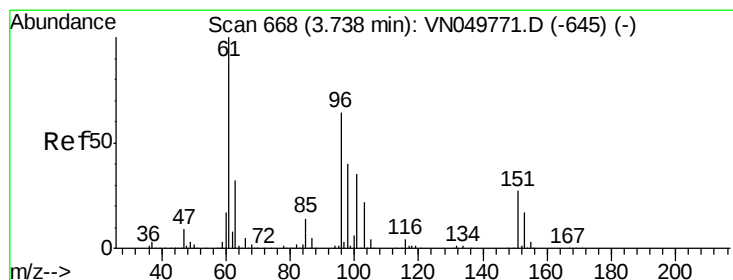
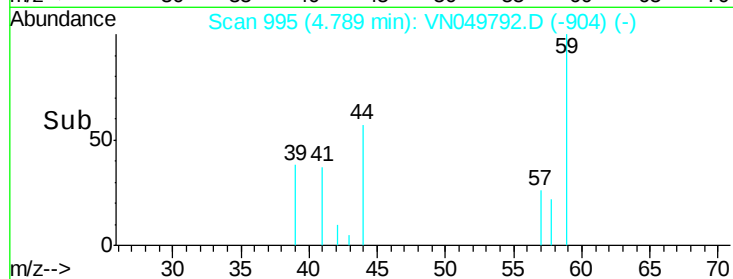
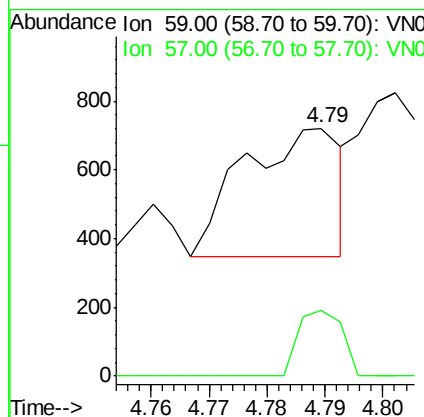
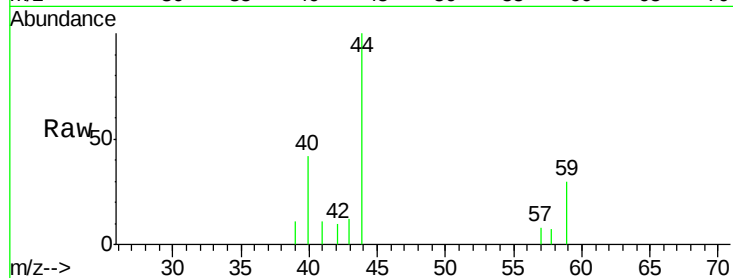




#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

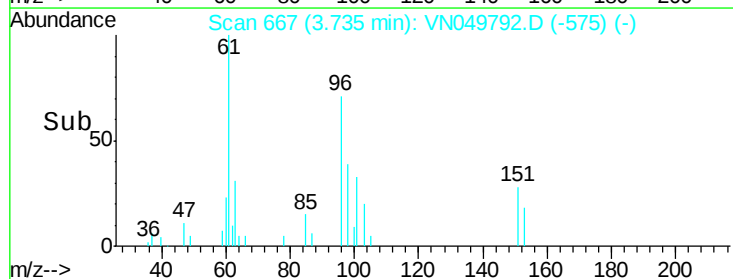
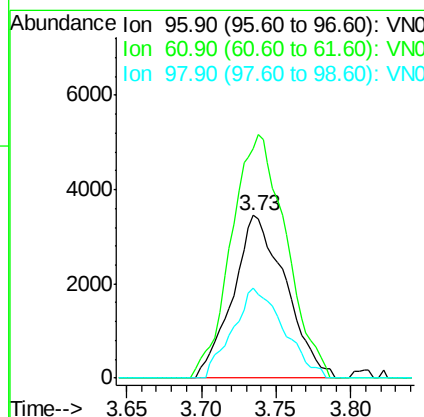
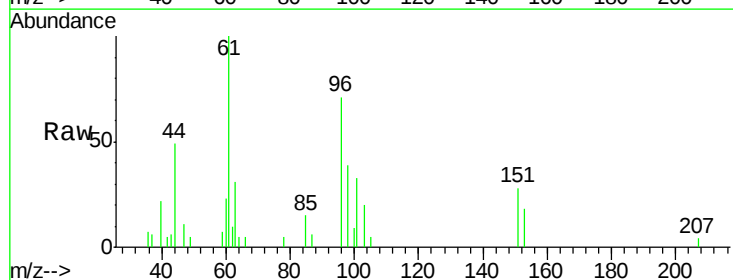
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

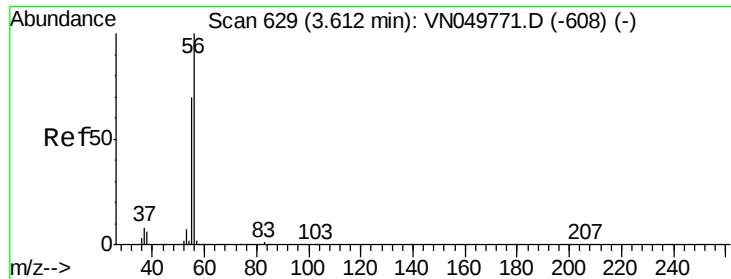
Tot Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.66 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 96 Resp: 8481
Ion Ratio Lower Upper
96 100
61 140.6 126.5 189.7
98 54.9 51.0 76.6





#13

Acrolein

Concen: 2.62 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

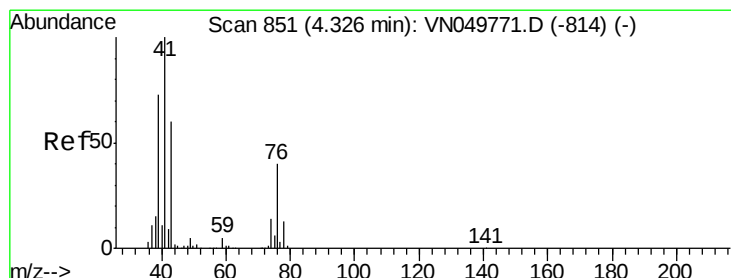
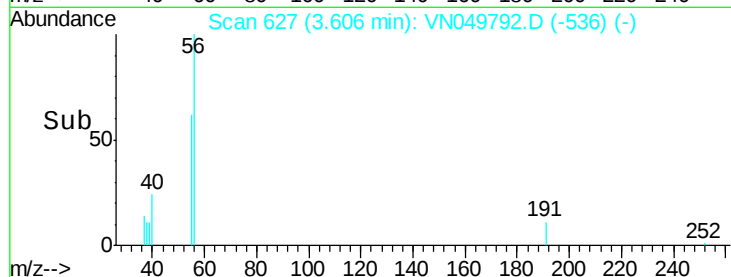
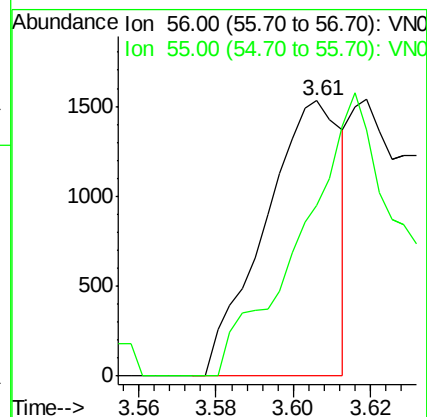
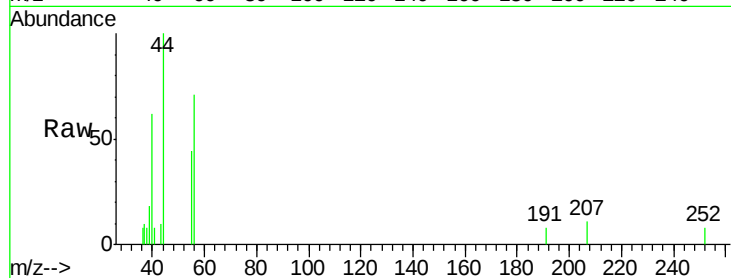
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 56 Resp: 2112

Ion Ratio Lower Upper

56 100

55 158.2 55.8 83.8#



#14

Allyl chloride

Concen: 0.64 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

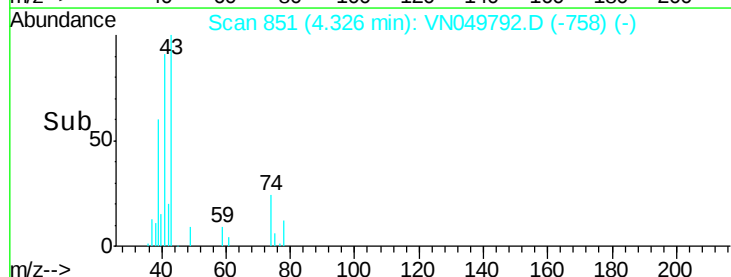
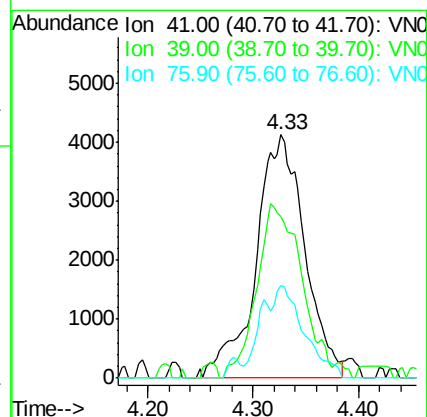
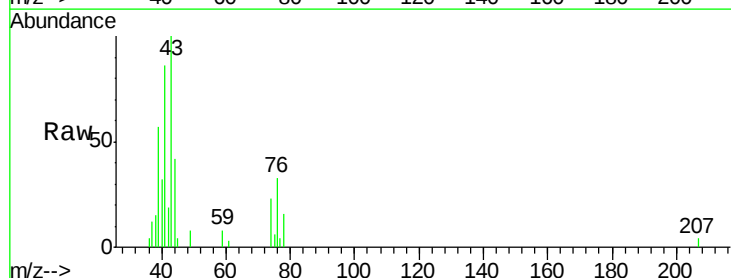
Tgt Ion: 41 Resp: 13321

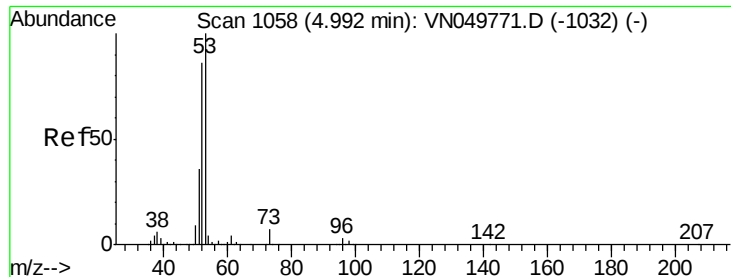
Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 23.3 29.0 43.6#





#15

Acrylonitrile

Concen: 2.98 ug/l

RT: 5.00 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

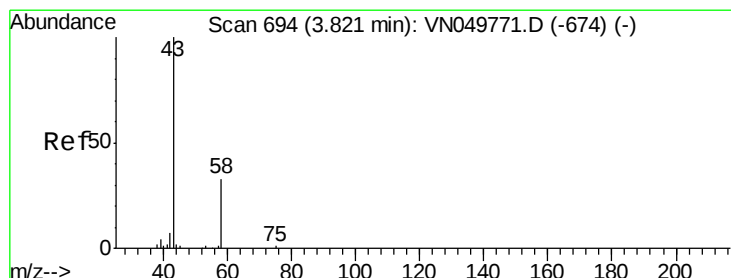
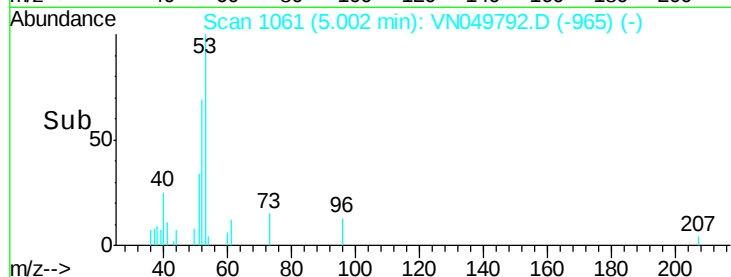
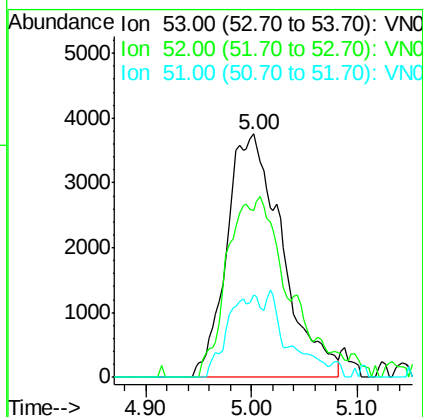
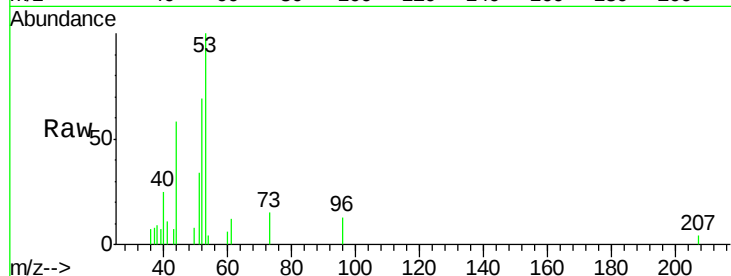
Tot Ion: 53 Resp: 13698

Ion Ratio Lower Upper

53 100

52 36.3 64.8 97.2#

51 12.6 28.9 43.3#



#16

Acetone

Concen: 2.14 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049792.D

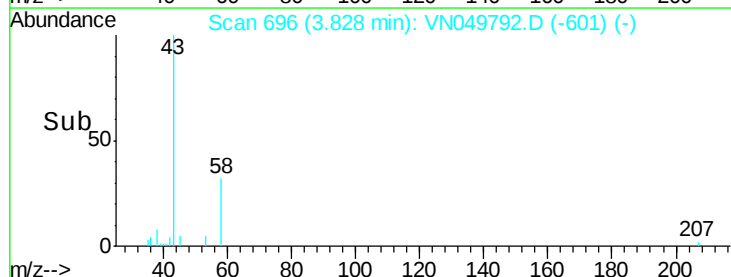
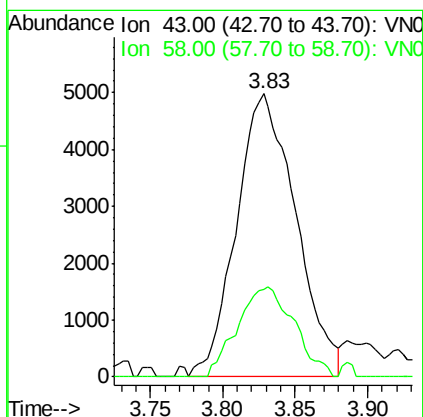
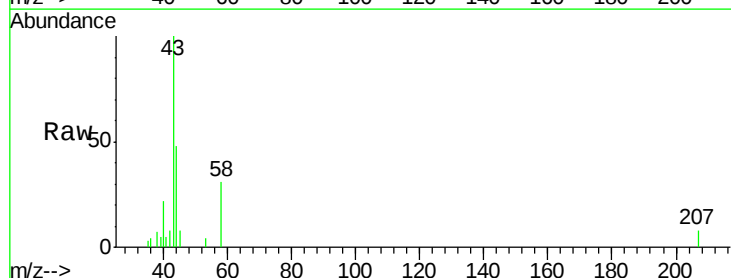
Acq: 13 Jul 2018 13:06

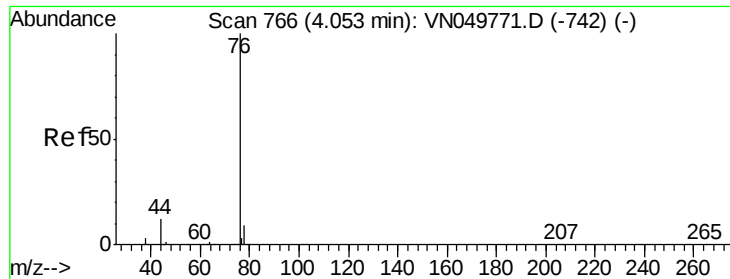
Tgt Ion: 43 Resp: 14187

Ion Ratio Lower Upper

43 100

58 31.1 25.9 38.9

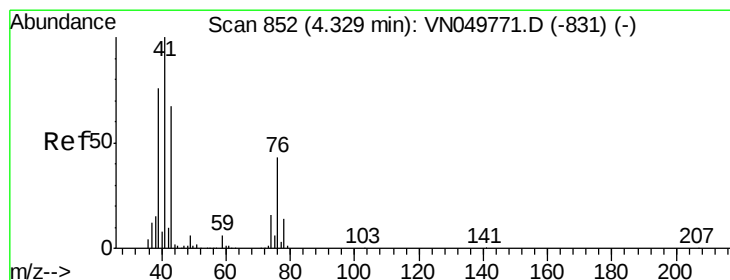
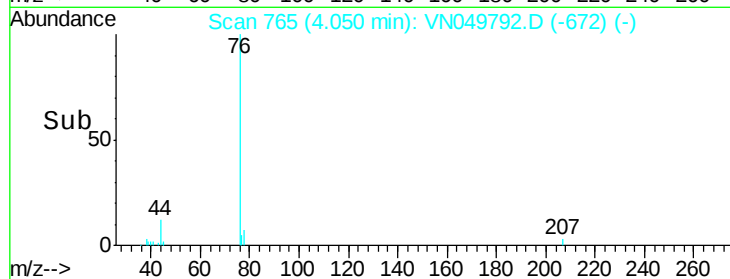
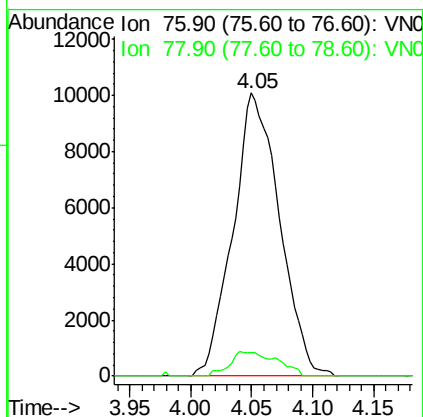
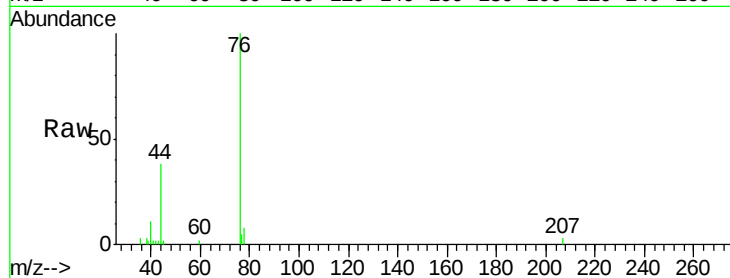




#17
Carbon Disulfide
Concen: 0.39 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

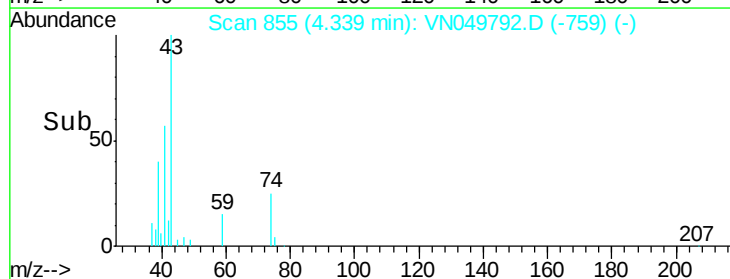
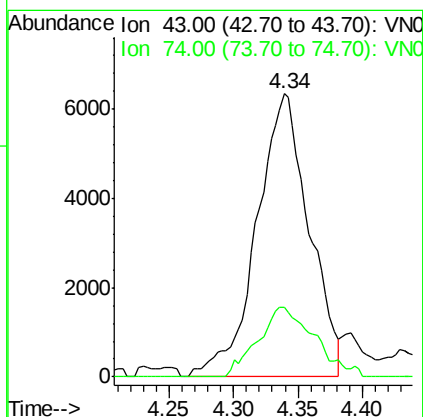
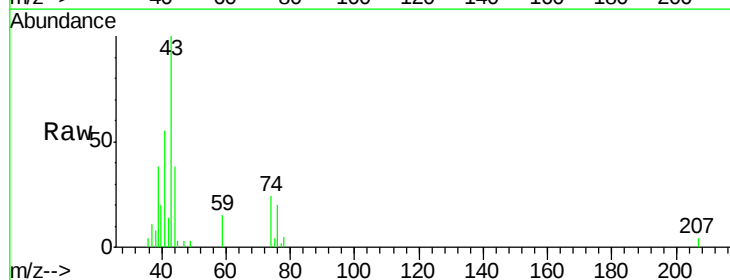
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

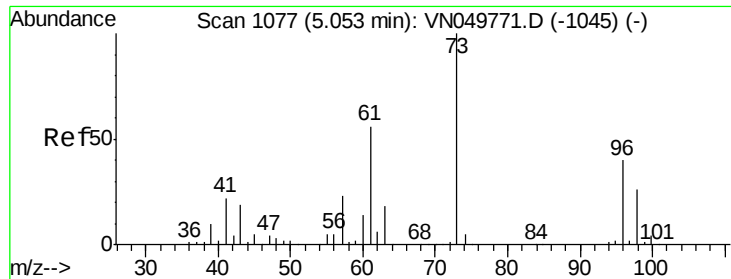
Tot Ion: 76 Resp: 26674
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#18
Methyl Acetate
Concen: 0.84 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 43 Resp: 17924
Ion Ratio Lower Upper
43 100
74 26.6 19.8 29.8

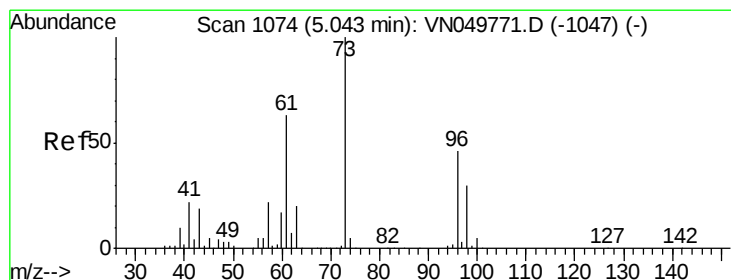
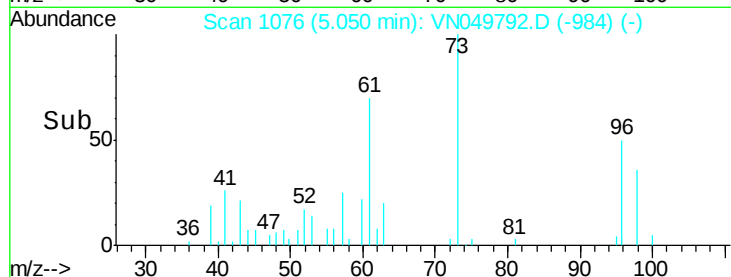
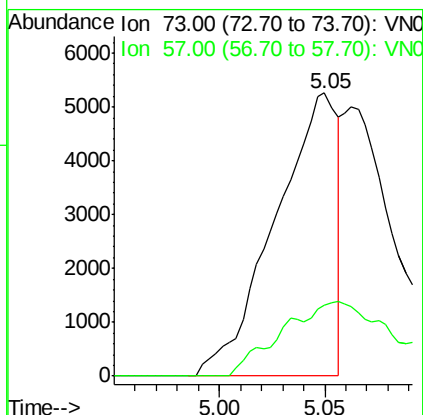
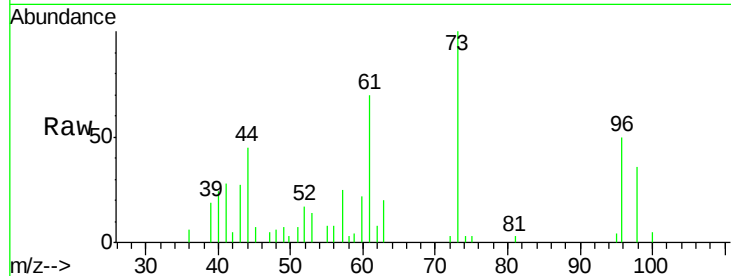




#19
Methvl tert-butvl Ether
Concen: 0.31 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

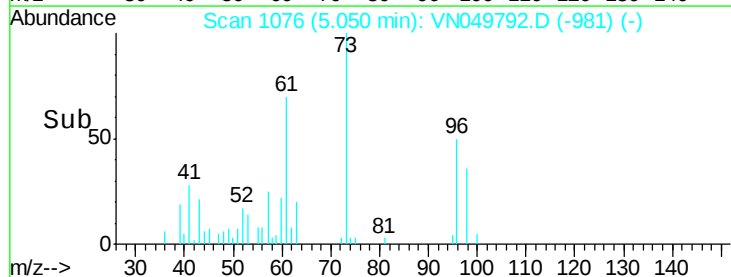
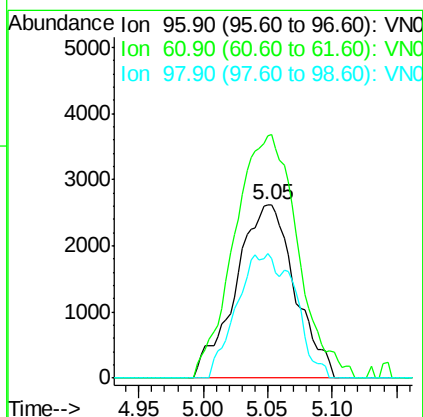
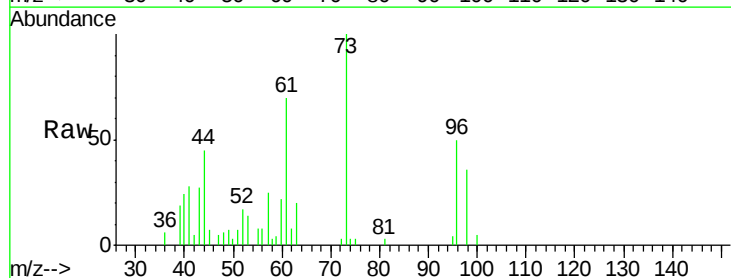
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

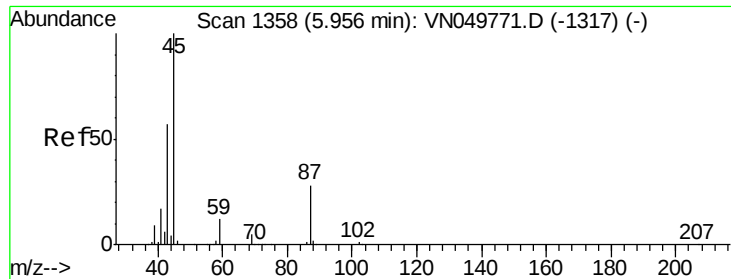
Tot Ion: 73 Resp: 10795
Ion Ratio Lower Upper
73 100
57 25.0 18.1 27.1



#21
trans-1,2-Dichloroethene
Concen: 0.60 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 96 Resp: 8391
Ion Ratio Lower Upper
96 100
61 140.0 109.0 163.6
98 72.1 51.1 76.7

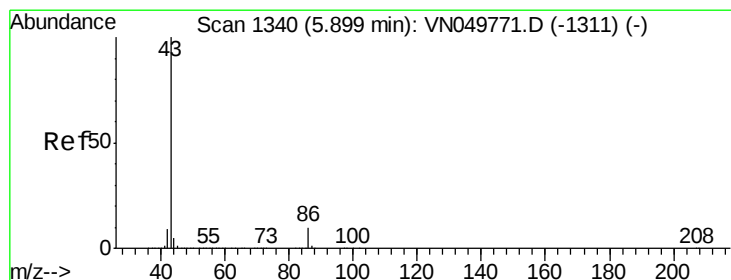
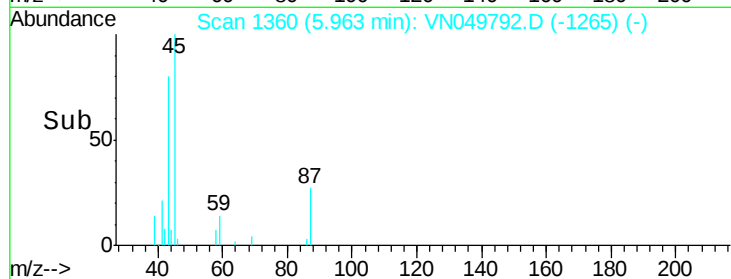
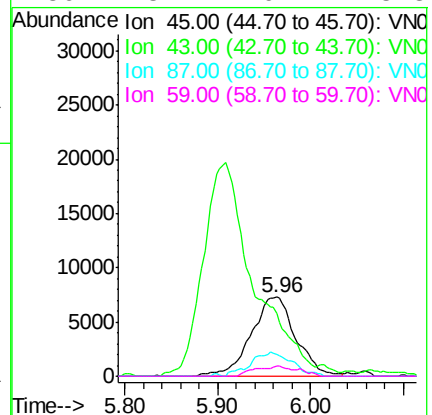
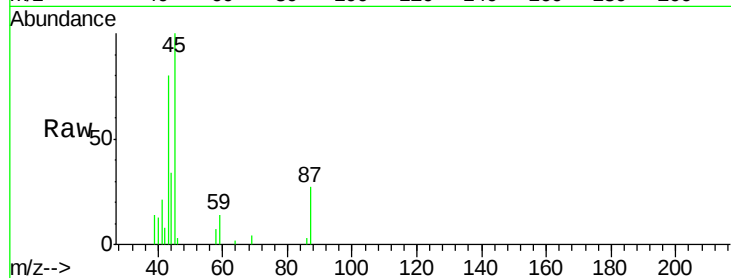




#22
 Diisopropyl ether
 Concen: 0.57 ug/l
 RT: 5.96 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

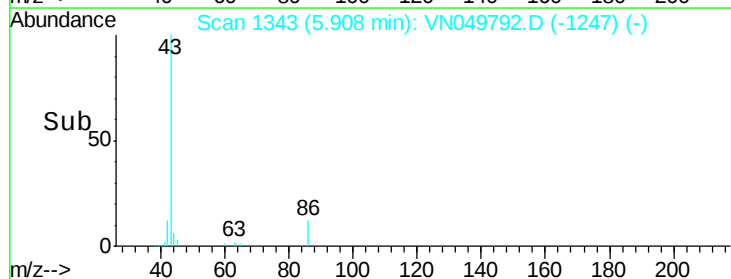
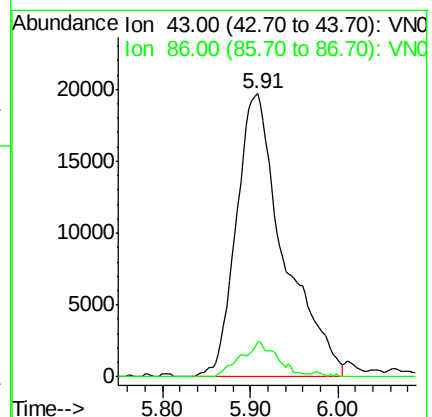
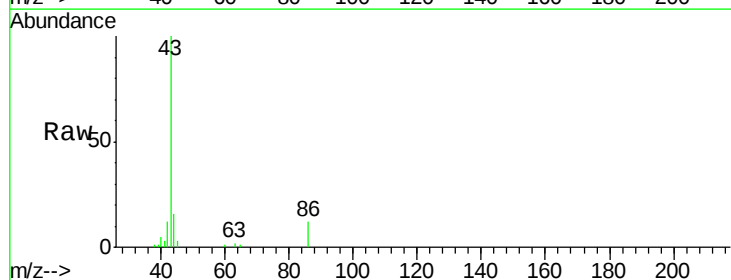
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

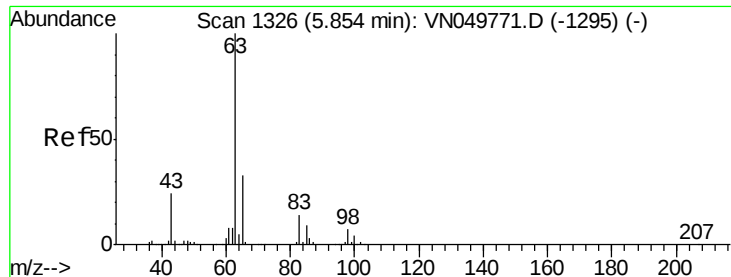
Tot Ion: 45 Resp: 24384
 Ion Ratio Lower Upper
 45 100
 43 74.6 48.1 72.1#
 87 26.9 22.6 34.0
 59 13.7 9.2 13.8



#23
 Vinyl Acetate
 Concen: 2.60 ug/l
 RT: 5.91 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion: 43 Resp: 74358
 Ion Ratio Lower Upper
 43 100
 86 12.3 8.4 12.6





#24

1,1-Dichloroethane

Concen: 0.61 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

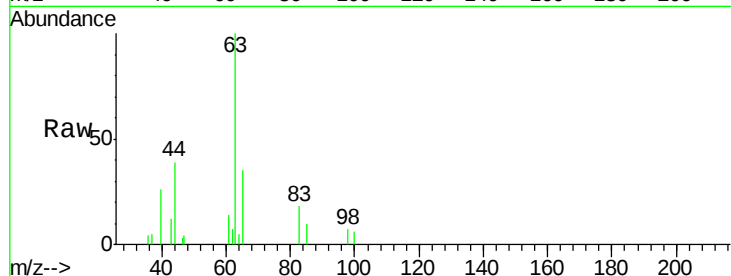
Tot Ion: 63 Resp: 16384

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

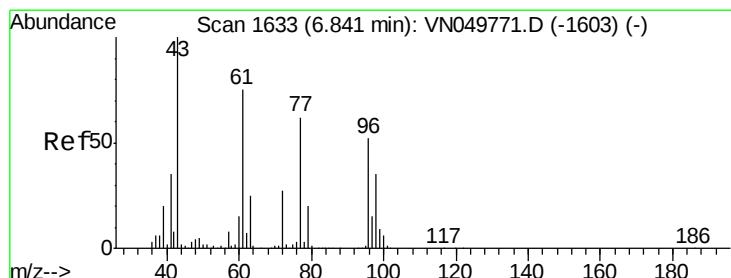
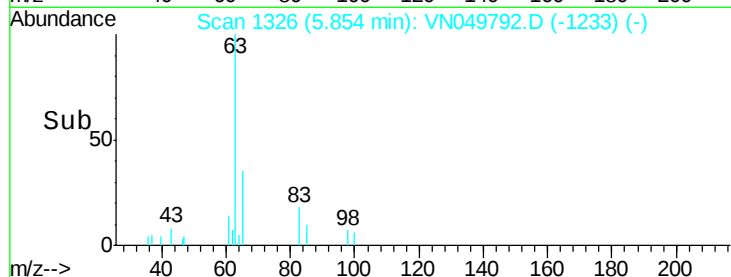
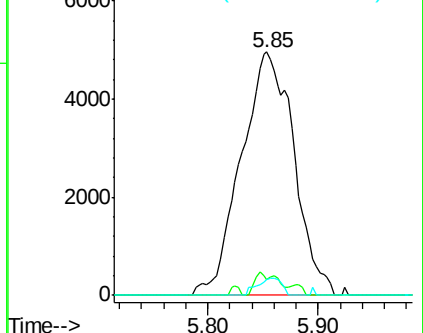
100 6.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049792.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN049792.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN049792.D (-1233) (-)



#25

2-Butanone

Concen: 3.04 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049792.D

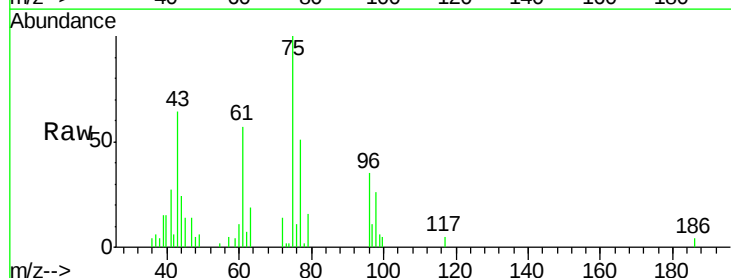
Acq: 13 Jul 2018 13:06

Tgt Ion: 43 Resp: 16253

Ion Ratio Lower Upper

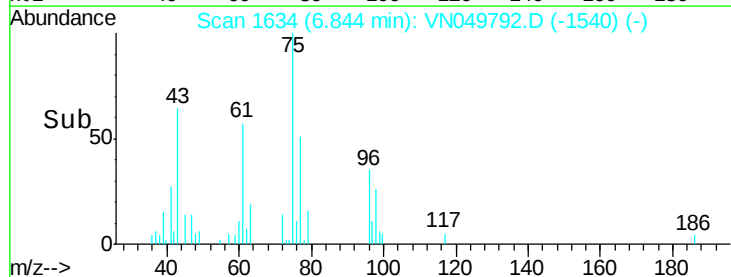
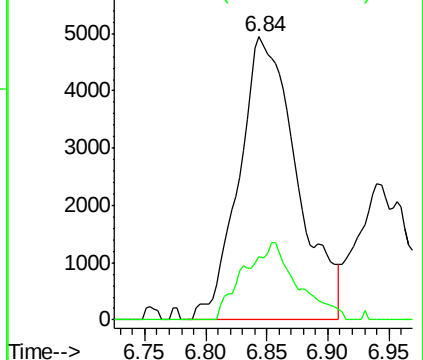
43 100

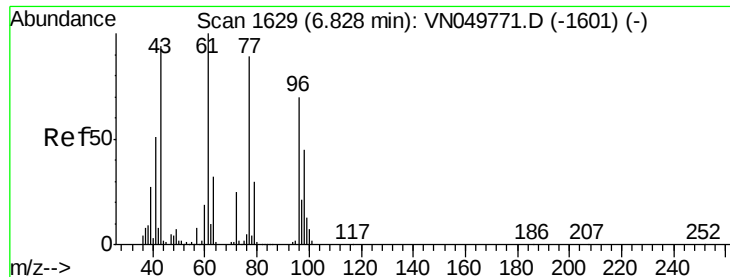
72 22.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN049792.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN049792.D (-1540) (-)

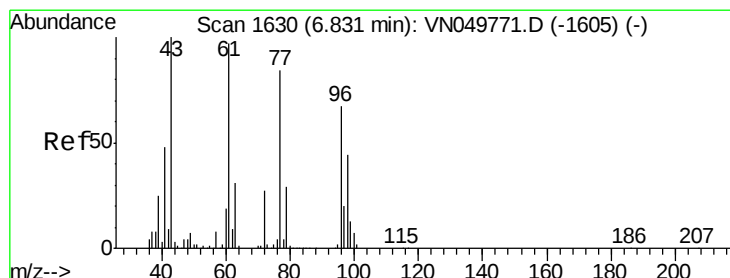
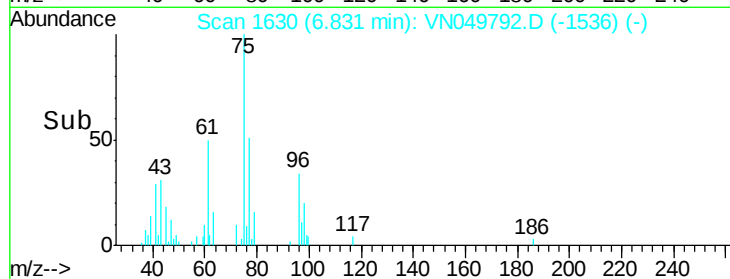
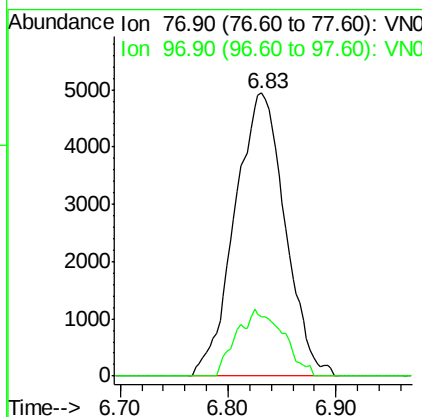
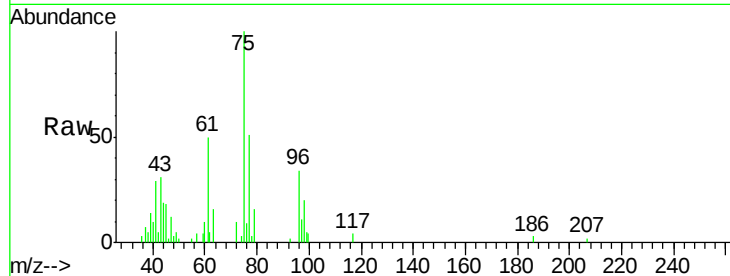




#26
 2,2-Dichloropropane
 Concen: 0.72 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

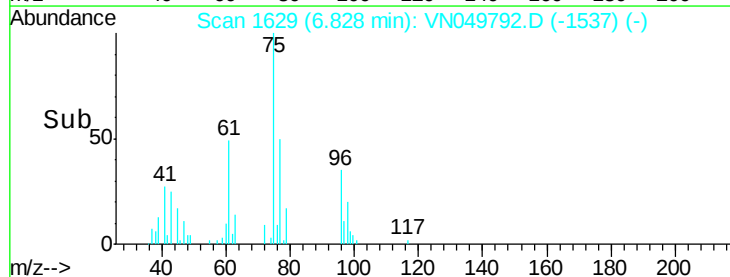
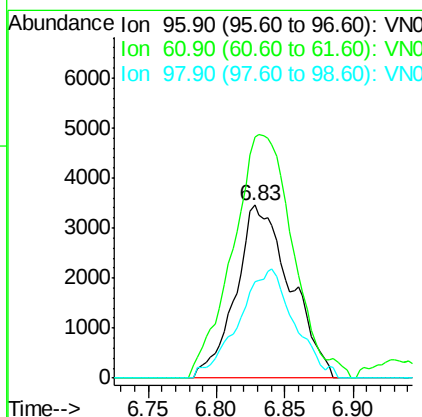
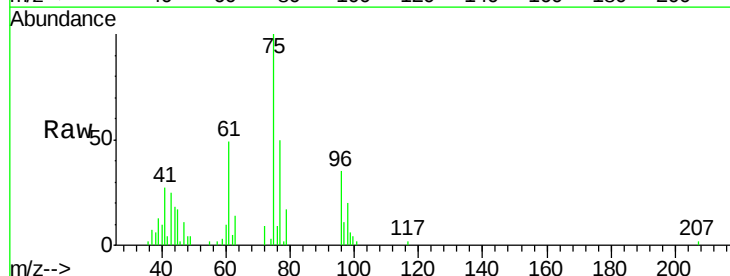
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

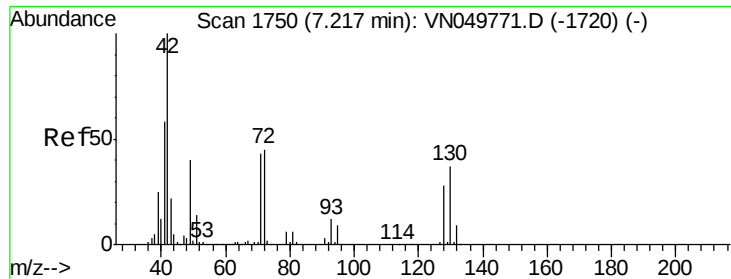
Tot Ion: 77 Resp: 15955
 Ion Ratio Lower Upper
 77 100
 97 21.7 11.9 35.5



#27
 cis-1,2-Dichloroethene
 Concen: 0.60 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion: 96 Resp: 9613
 Ion Ratio Lower Upper
 96 100
 61 155.3 0.0 289.0
 98 64.0 0.0 130.2

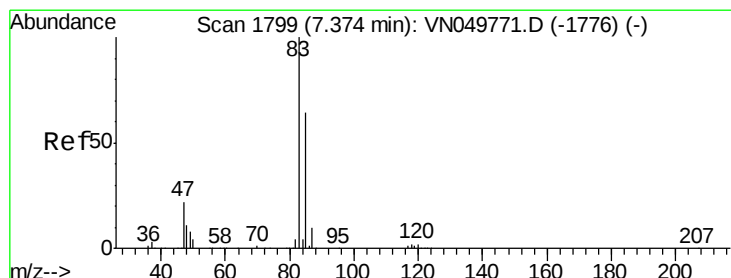
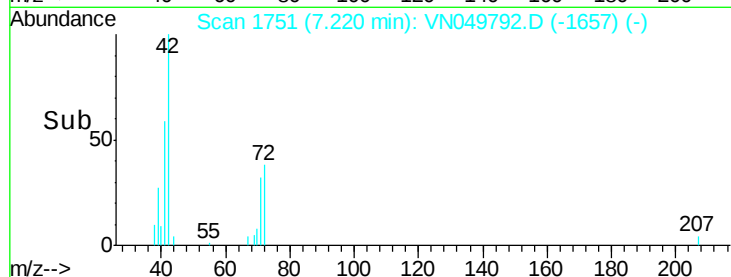
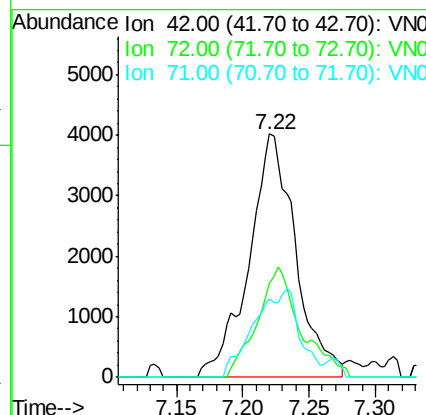
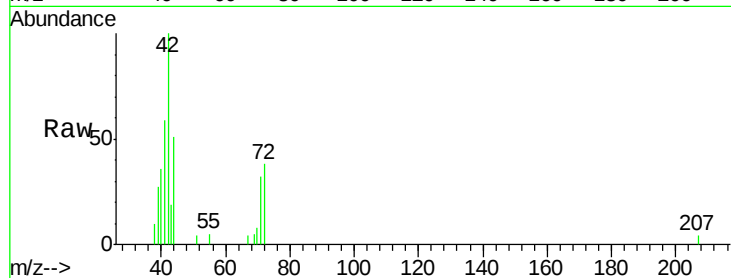




#29
Tetrahydrofuran
Concen: 2.95 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

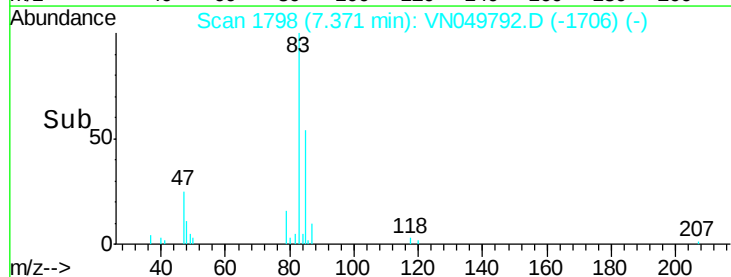
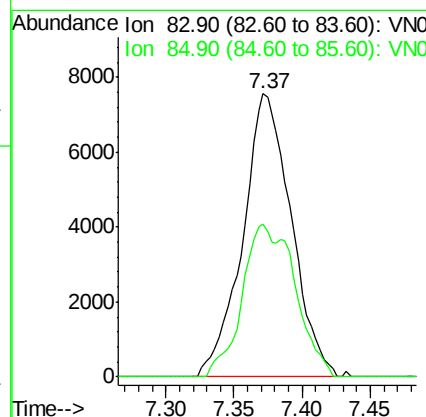
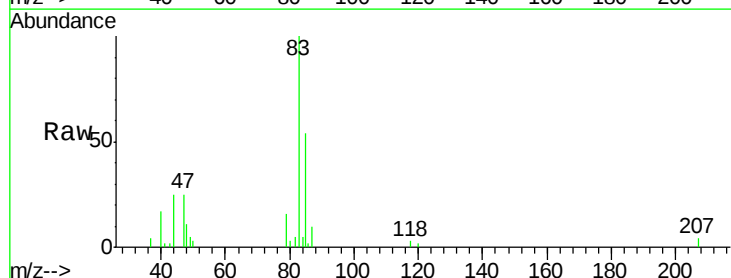
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

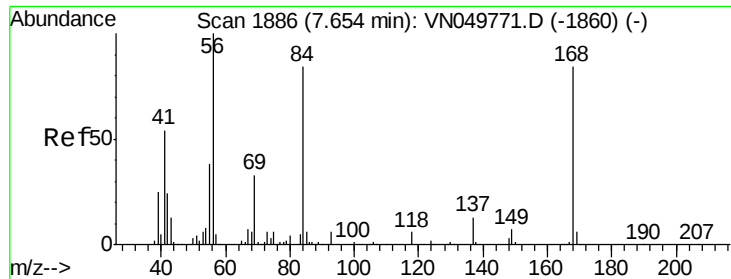
Tot Ion: 42 Resp: 9894
Ion Ratio Lower Upper
42 100
72 42.2 35.6 53.4
71 17.9 34.0 51.0#



#30
Chloroform
Concen: 0.67 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 83 Resp: 18627
Ion Ratio Lower Upper
83 100
85 54.0 51.4 77.2

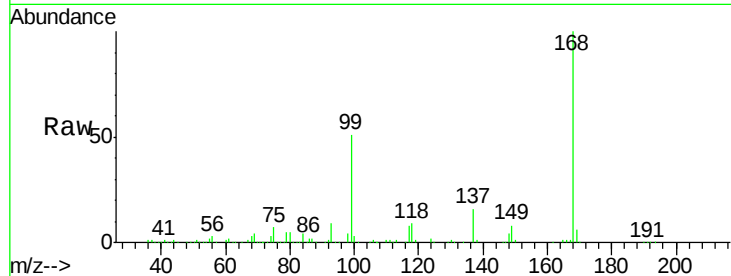




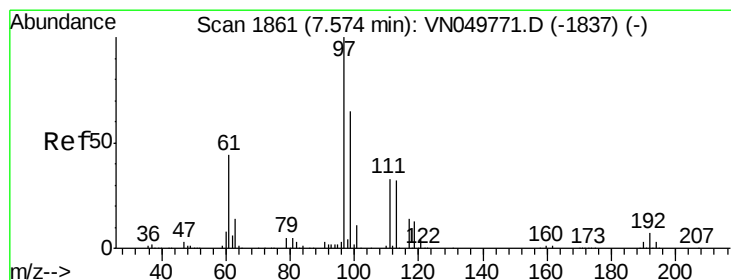
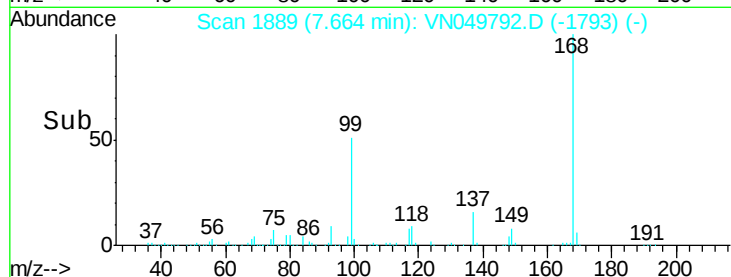
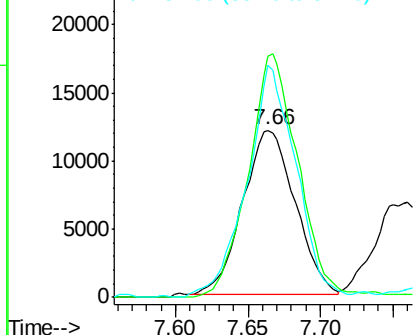
#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 56 Resp: 30545
Ion Ratio Lower Upper
56 100
69 146.7 26.6 40.0#
84 139.0 69.0 103.6#

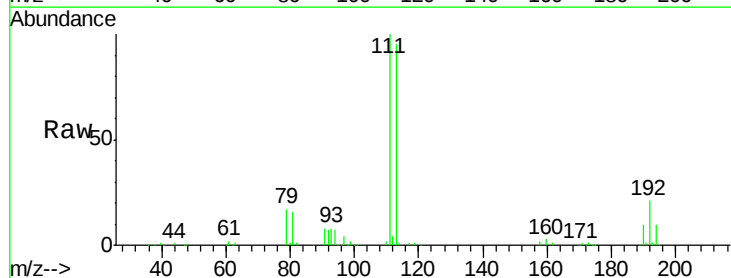


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

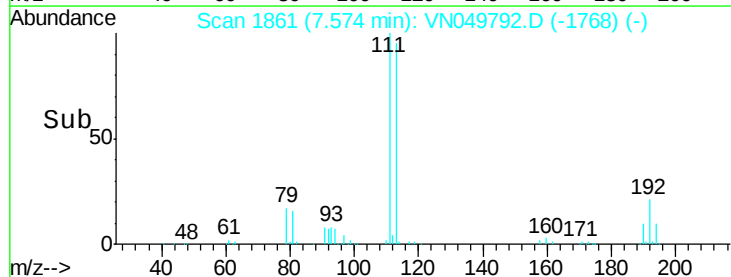
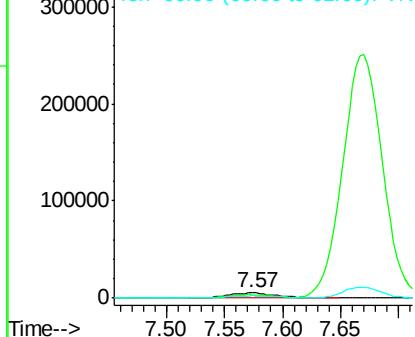


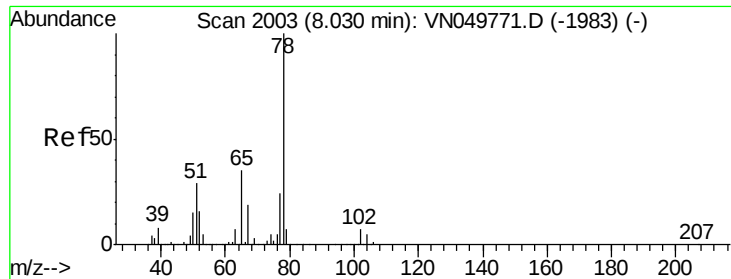
#32
1,1,1-Trichloroethane
Concen: 0.66 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 97 Resp: 15466
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 41.4 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

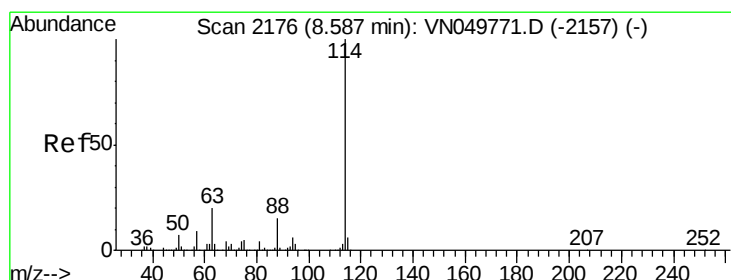
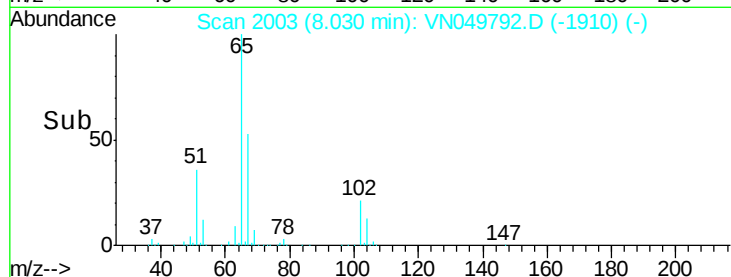
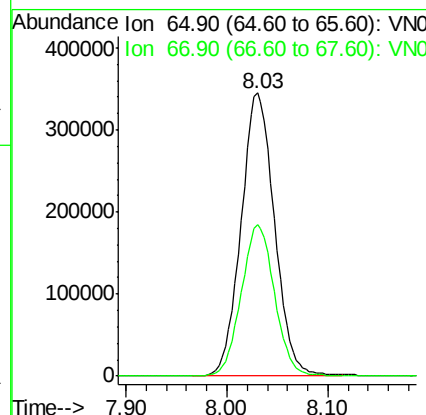
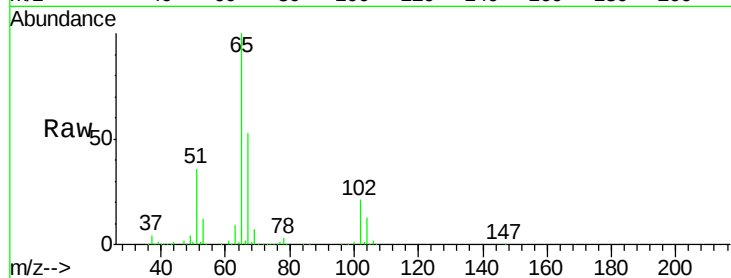




#33
 1,2-Dichloroethane-d4
 Concen: 57.90 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

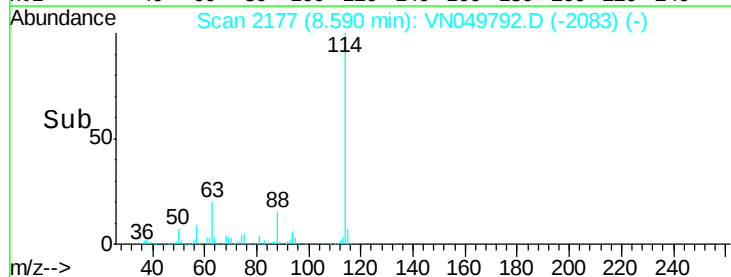
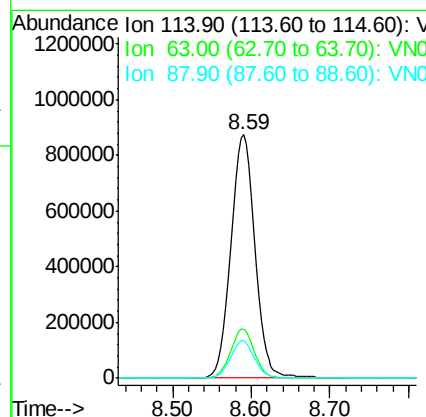
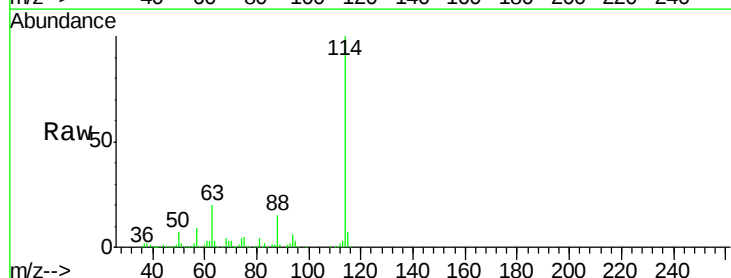
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

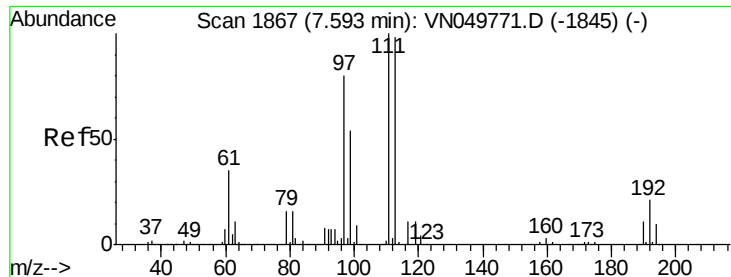
Tot Ion: 65 Resp: 794436
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion: 114 Resp: 1849733
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.3 0.0 30.6

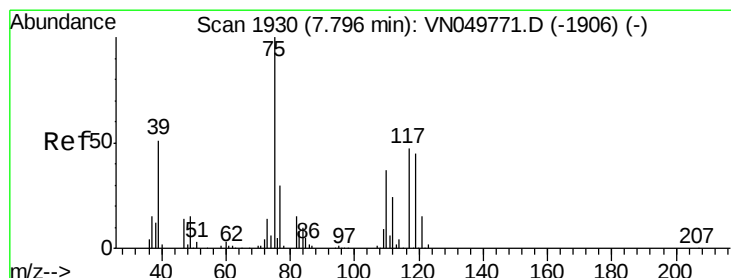
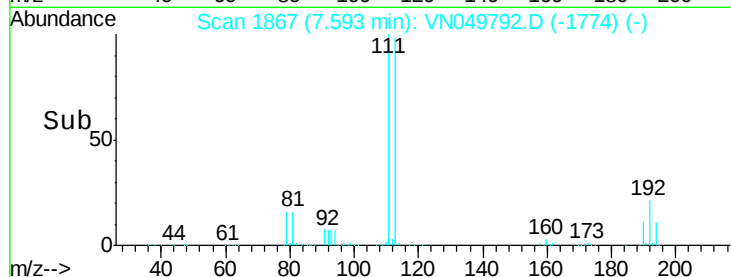
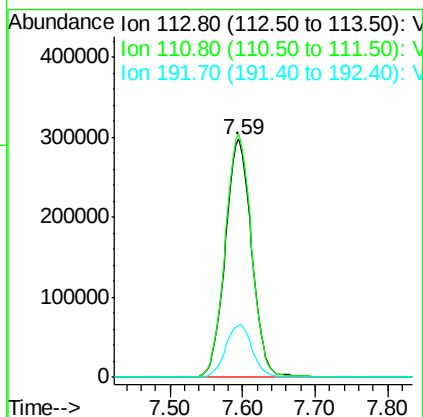
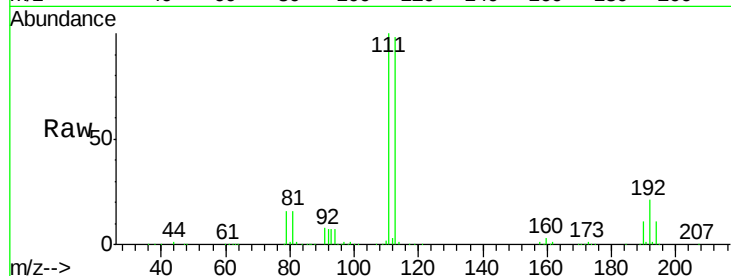




#35
 Dibromofluoromethane
 Concen: 54.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

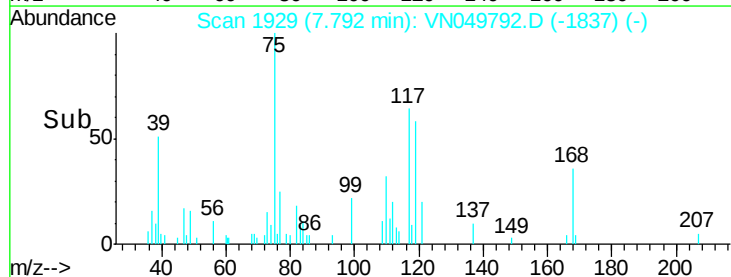
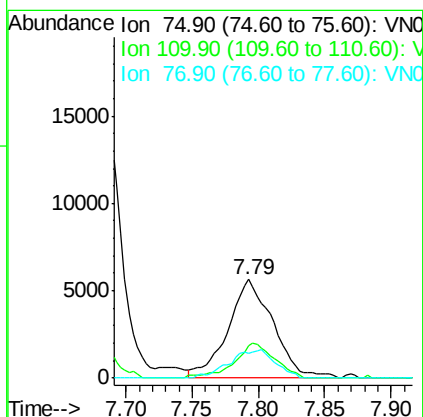
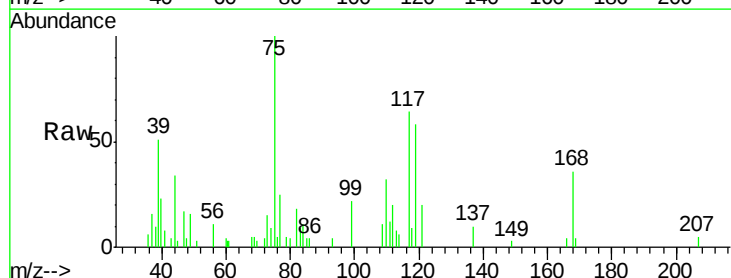
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

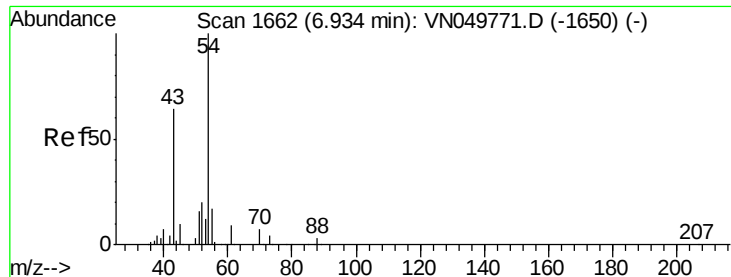
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 0.63 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	18.1	54.4
77	29.1	24.9	37.3

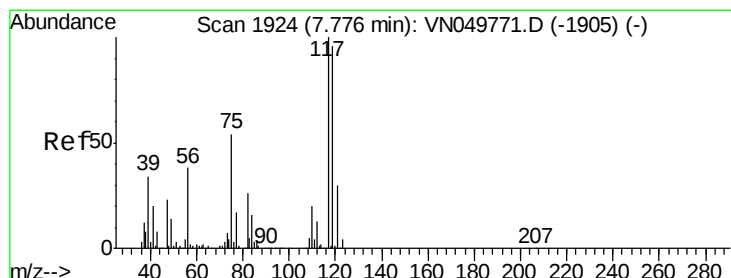
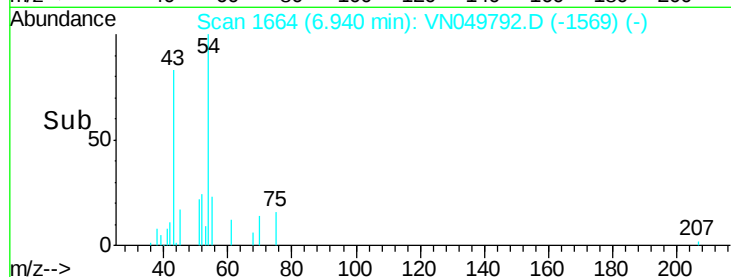
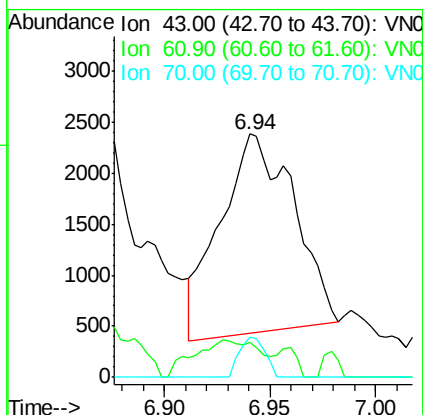
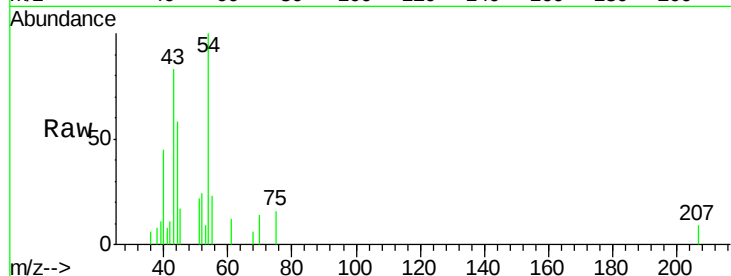




#37
Ethyl Acetate
Concen: 0.37 ug/l
RT: 6.94 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

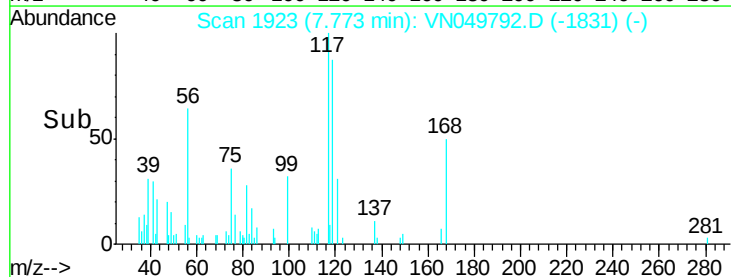
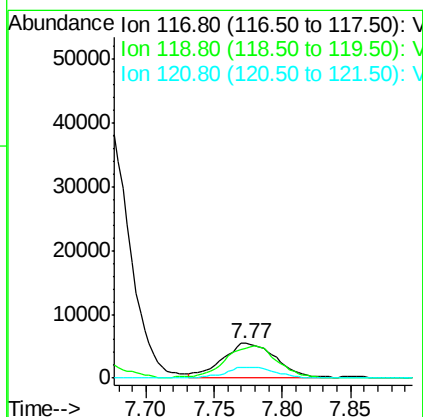
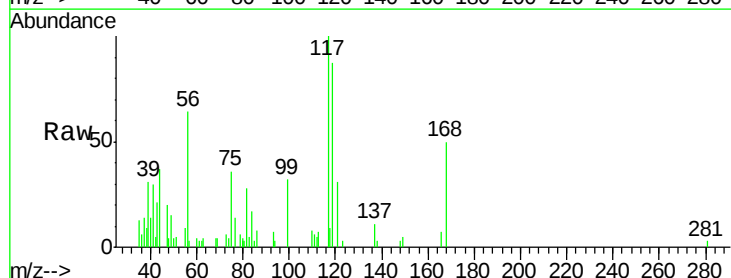
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

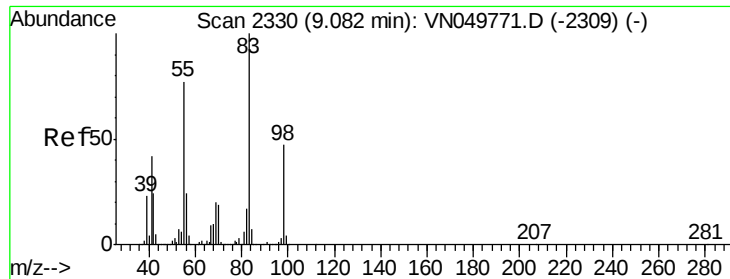
Tot Ion: 43 Resp: 4727
Ion Ratio Lower Upper
43 100
61 16.5 11.7 17.5
70 7.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 0.68 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 117 Resp: 15131
Ion Ratio Lower Upper
117 100
119 87.1 77.2 115.8
121 30.6 25.0 37.6

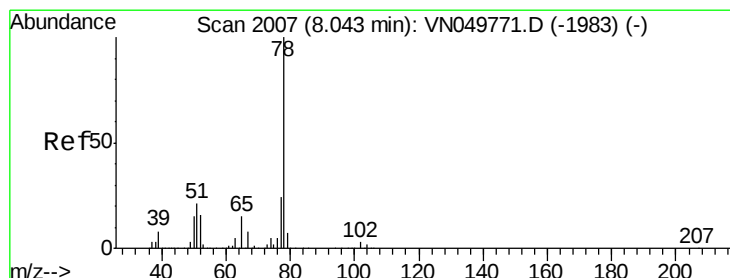
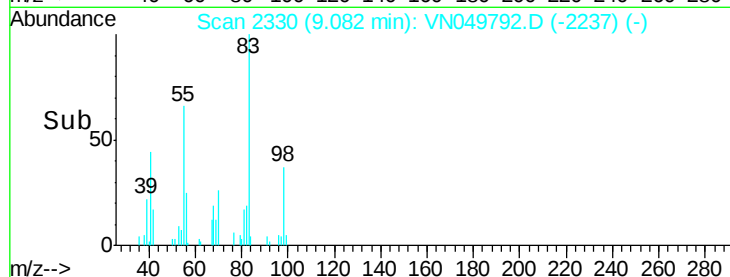
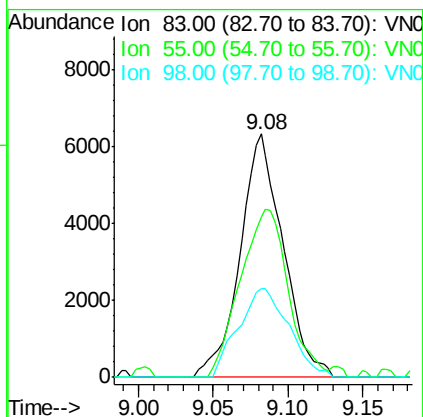
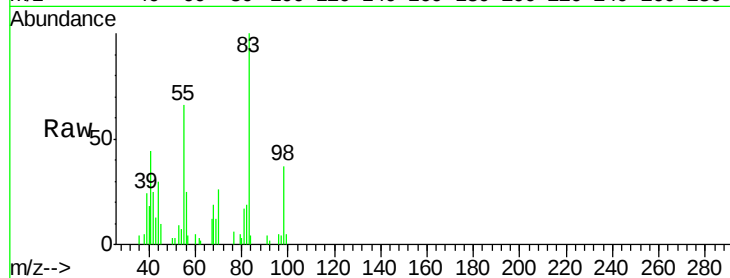




#39
Methvlcvclohexane
Concen: 0.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

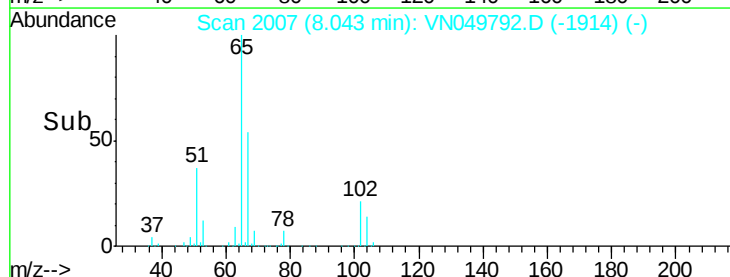
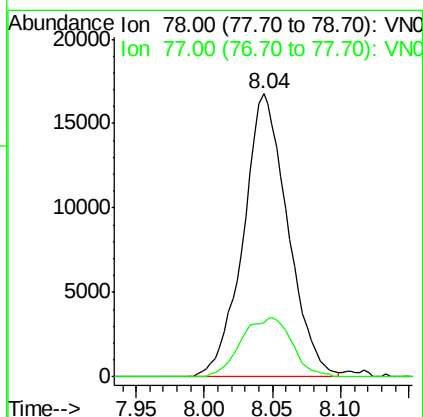
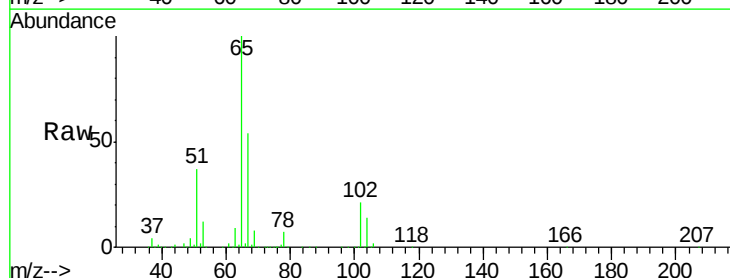
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

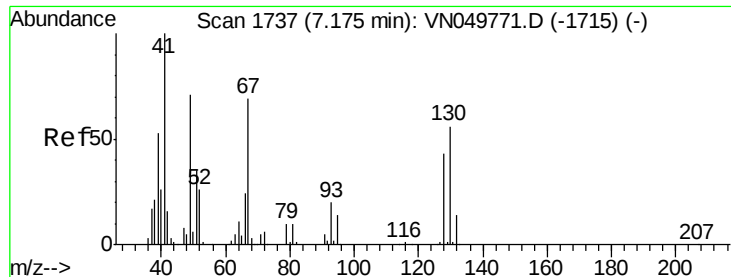
Tot Ion: 83 Resp: 12646
Ion Ratio Lower Upper
83 100
55 65.9 59.7 89.5
98 36.6 36.5 54.7



#40
Benzene
Concen: 0.60 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 78 Resp: 37945
Ion Ratio Lower Upper
78 100
77 19.3 19.0 28.4

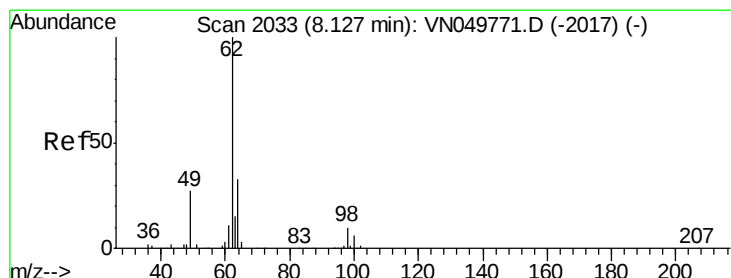
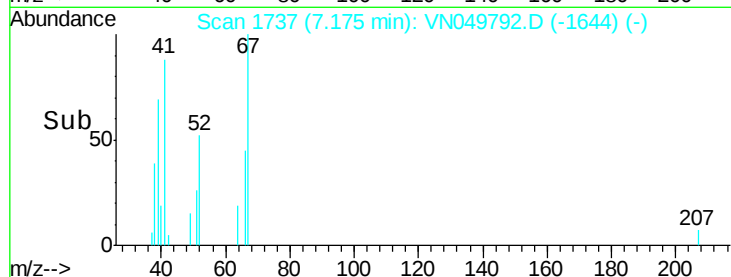
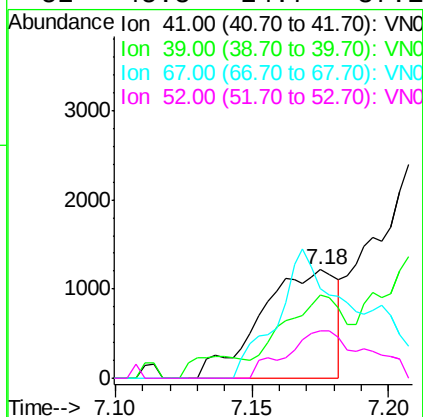
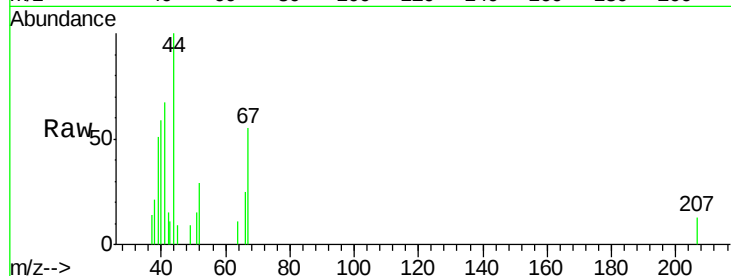




#41
Methacrylonitrile
Concen: 0.33 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

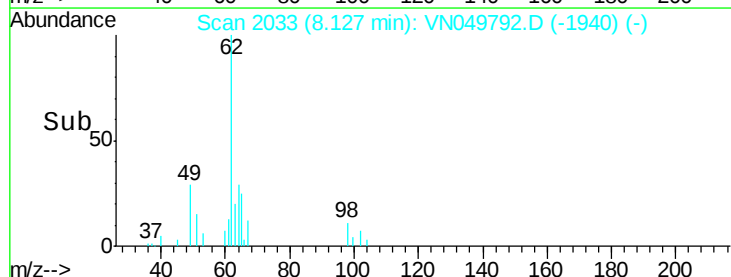
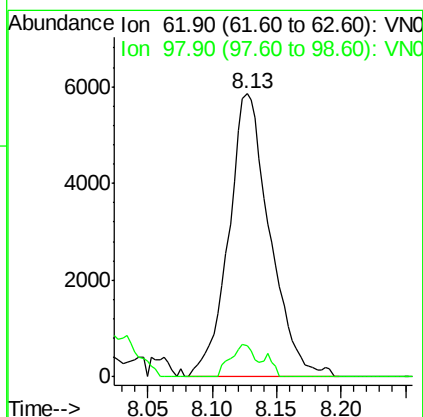
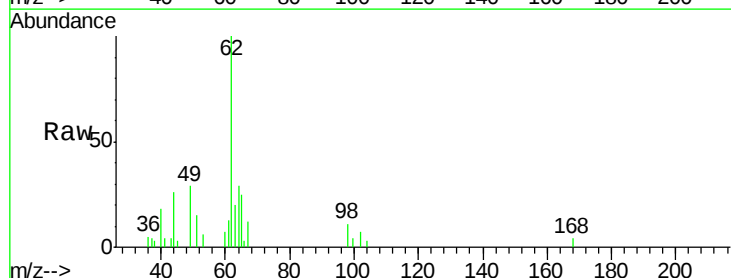
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

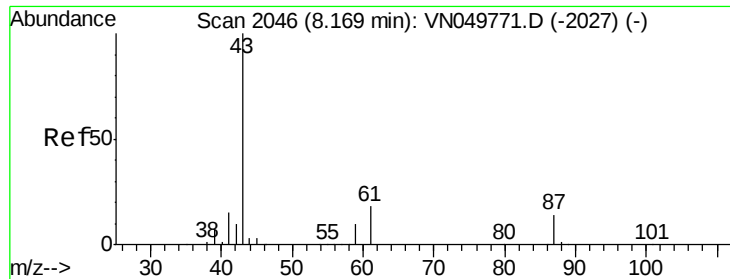
Tot Ion: 41 Resp: 2359
Ion Ratio Lower Upper
41 100
39 42.3 45.4 68.2#
67 99.2 65.4 98.0#
52 45.8 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 0.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 62 Resp: 13011
Ion Ratio Lower Upper
62 100
98 6.6 0.0 19.0



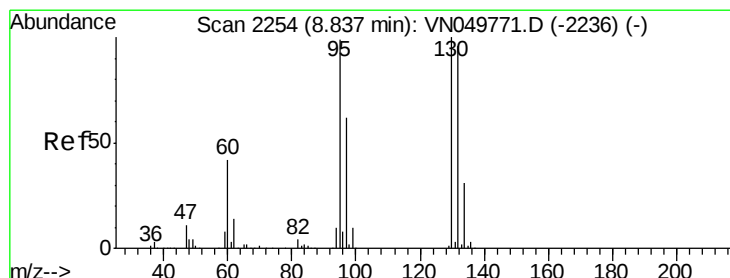
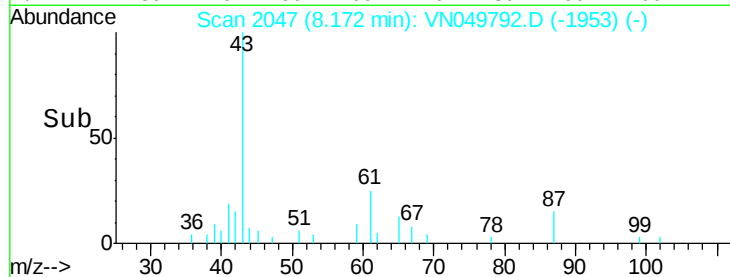
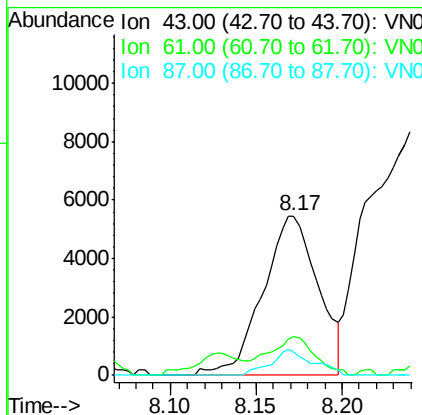
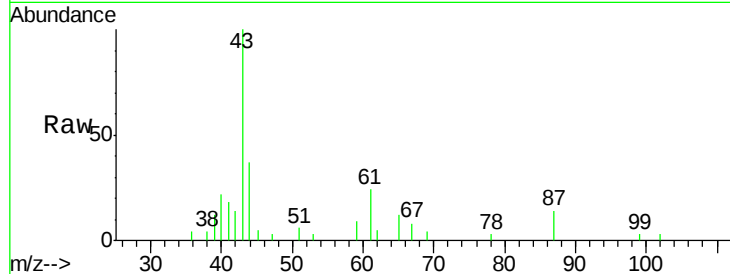


#43

Isopropyl Acetate
 Concen: 0.54 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

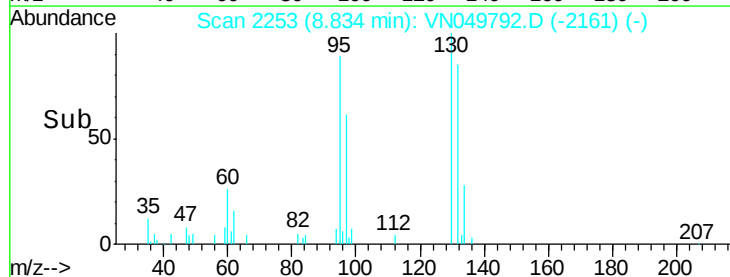
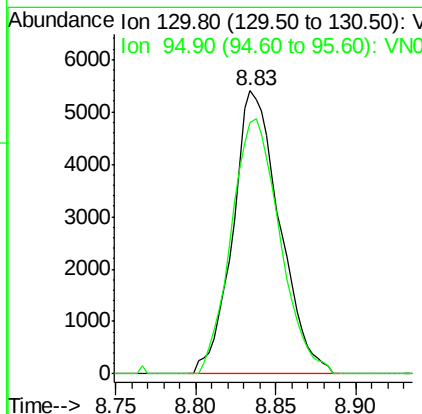
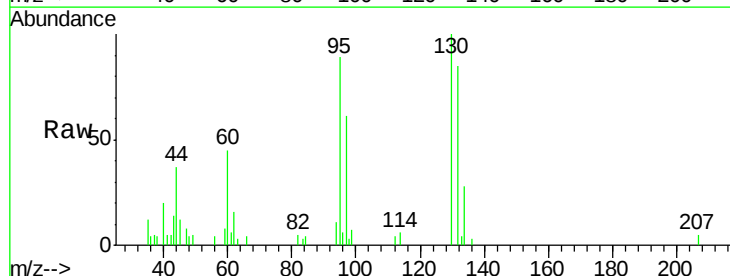
Tot Ion: 43 Resp: 12178
 Ion Ratio Lower Upper
 43 100
 61 20.8 14.9 22.3
 87 12.2 10.0 15.0

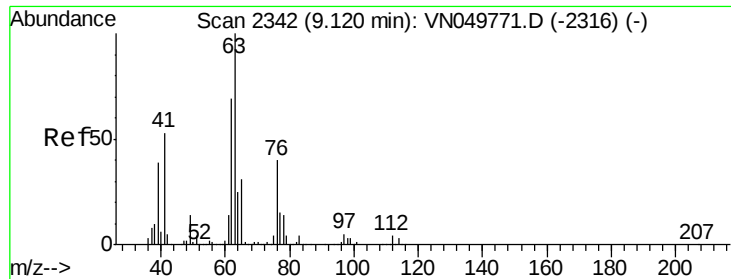


#44

Trichloroethene
 Concen: 0.63 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion: 130 Resp: 10775
 Ion Ratio Lower Upper
 130 100
 95 88.6 0.0 192.8





#45

1,2-Dichloropropane

Concen: 0.56 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

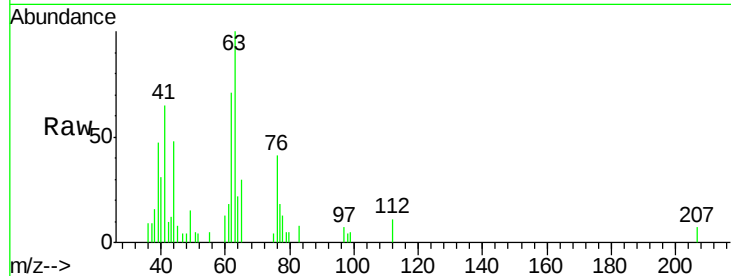
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 9530

Ion Ratio Lower Upper

63 100

65 29.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

5000

4000

3000

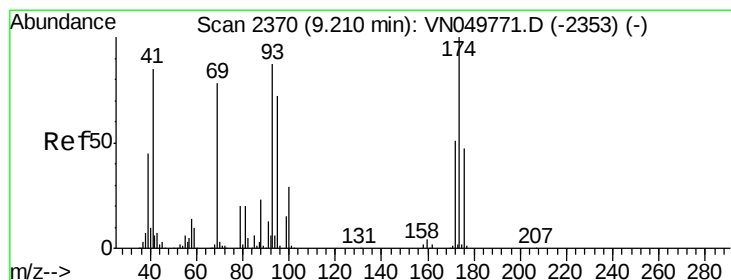
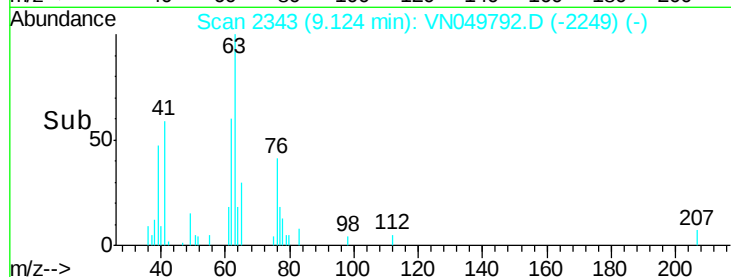
2000

1000

0

9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 0.59 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

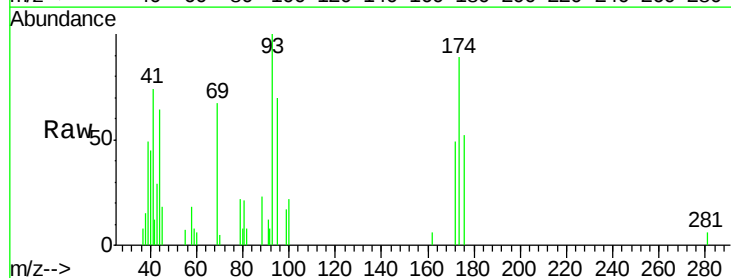
Tgt Ion: 93 Resp: 5979

Ion Ratio Lower Upper

93 100

95 85.2 67.9 101.9

174 112.4 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

4000

3000

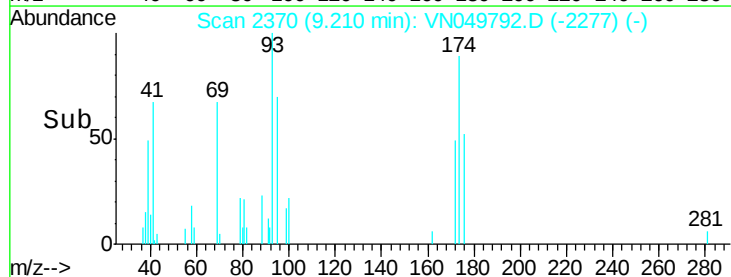
2000

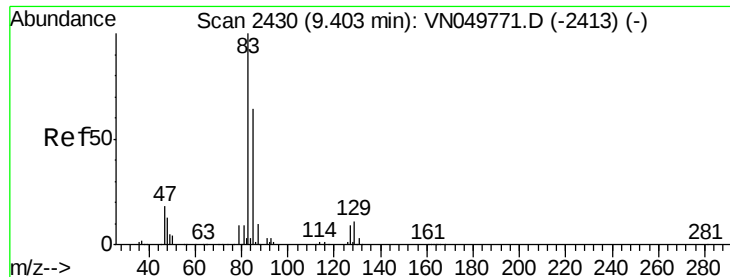
1000

0

9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 0.64 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

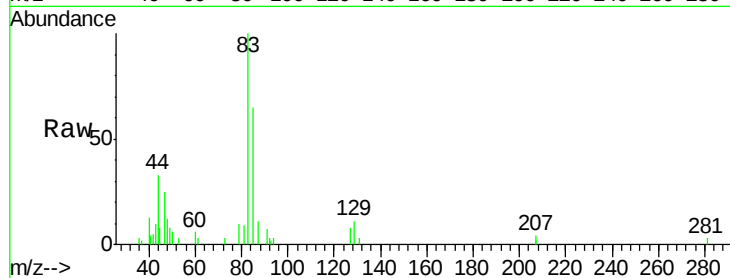
Tot Ion: 83 Resp: 14292

Ion Ratio Lower Upper

83 100

85 64.7 50.5 75.7

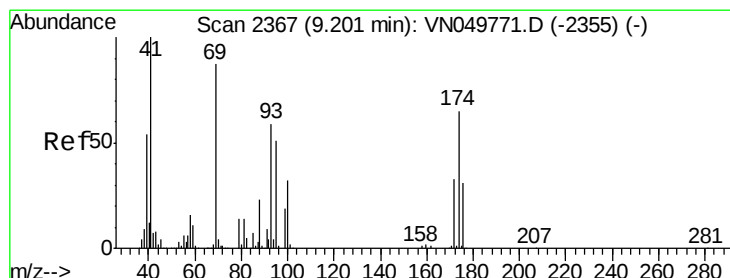
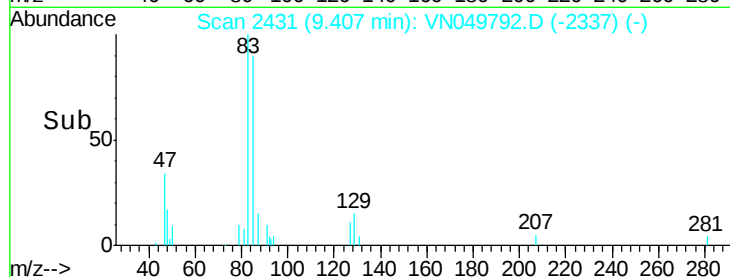
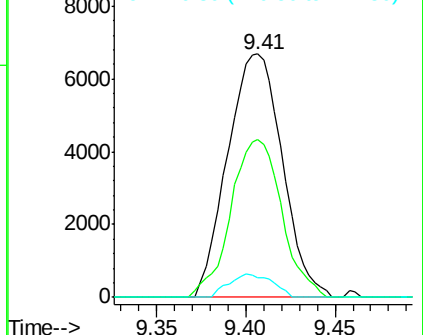
127 8.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049792.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049792.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049792.D (-2337) (-)



#48

Methyl methacrylate

Concen: 0.45 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

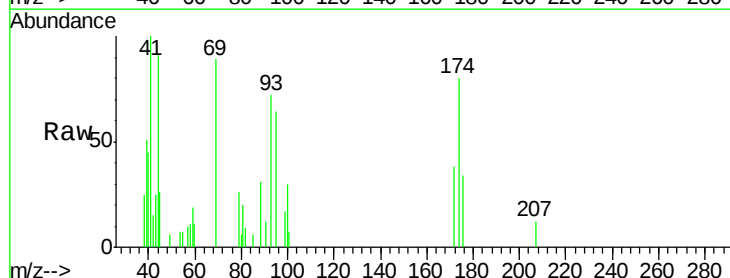
Tgt Ion: 41 Resp: 5089

Ion Ratio Lower Upper

41 100

69 100.7 71.5 107.3

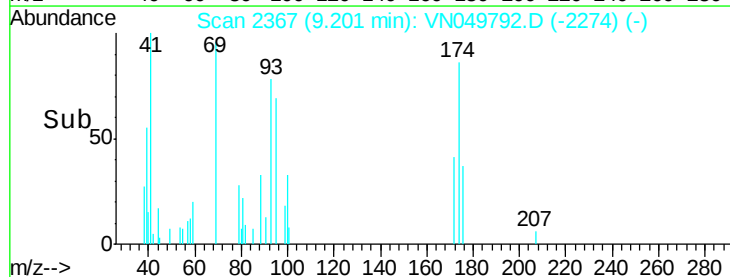
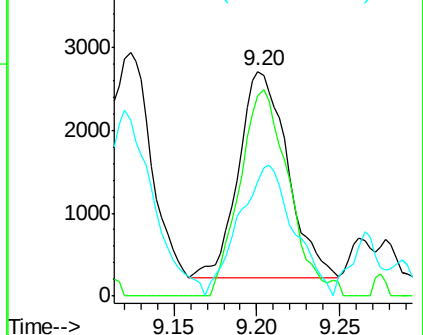
39 71.3 44.7 67.1#

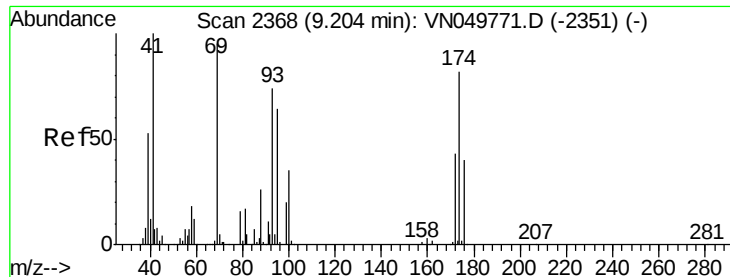


Abundance Ion 41.00 (40.70 to 41.70): VN049792.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049792.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049792.D (-2274) (-)





#49

1,4-Dioxane

Concen: 10.19 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

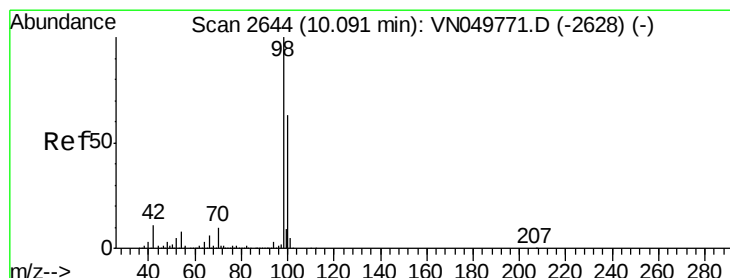
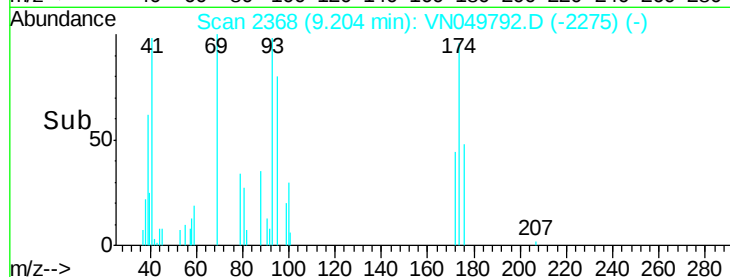
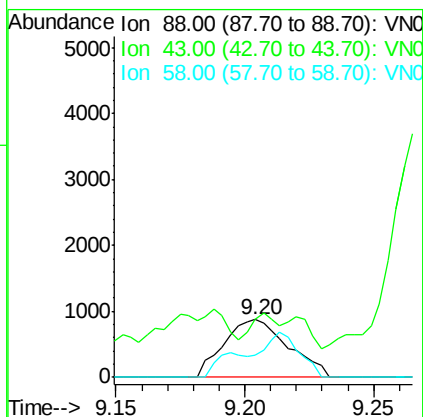
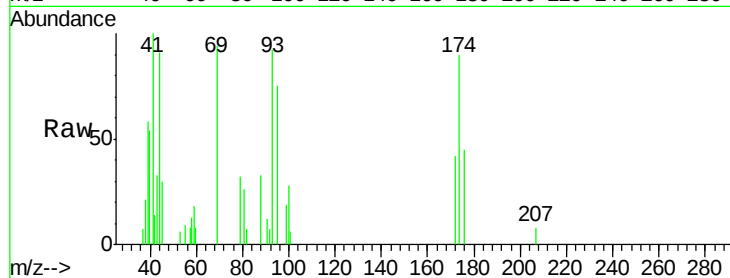
Tot Ion: 88 Resp: 1514

Ion Ratio Lower Upper

88 100

43 17.3 25.1 37.7#

58 45.1 52.5 78.7#



#50

Toluene-d8

Concen: 48.29 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049792.D

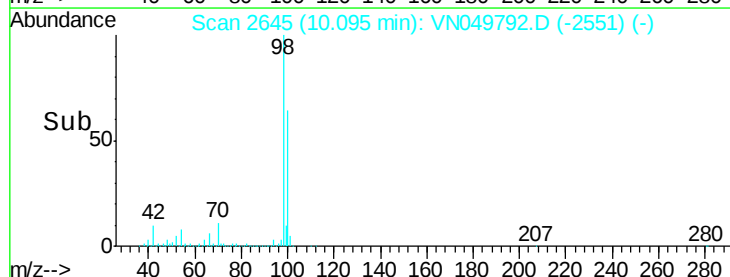
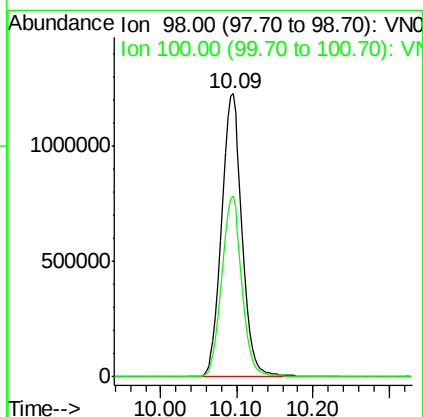
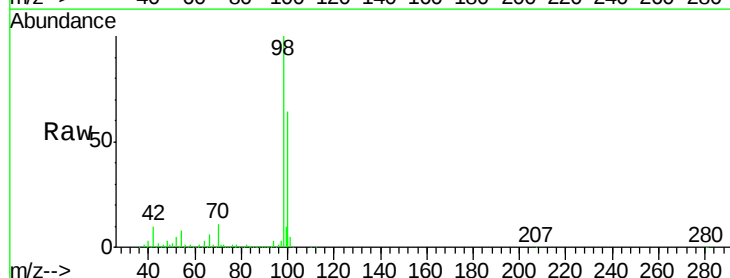
Acq: 13 Jul 2018 13:06

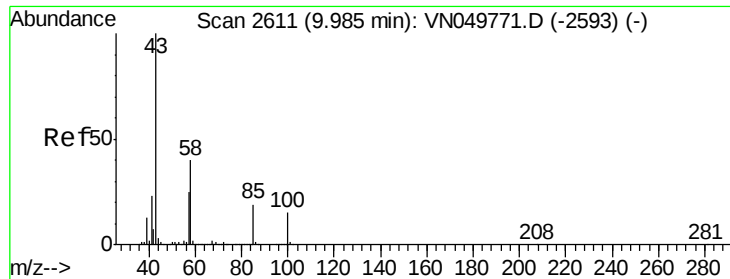
Tgt Ion: 98 Resp: 2304691

Ion Ratio Lower Upper

98 100

100 62.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 2.41 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

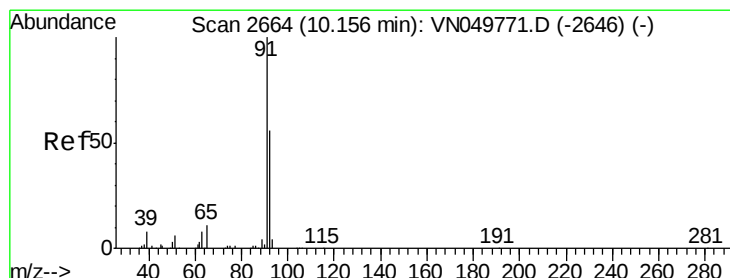
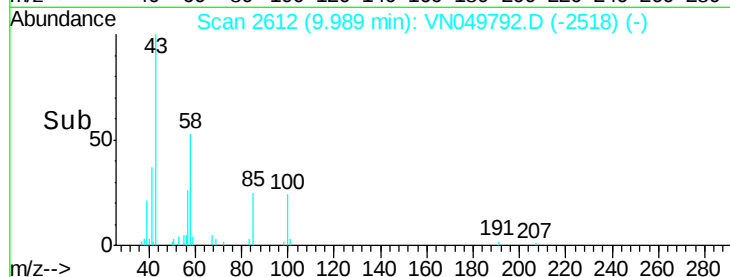
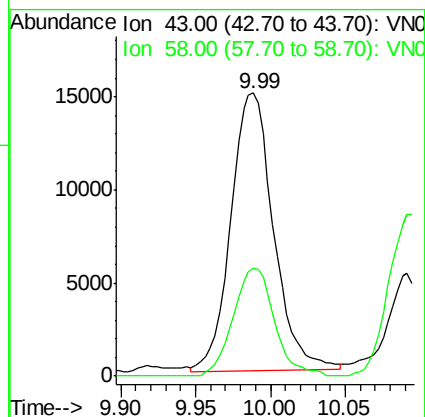
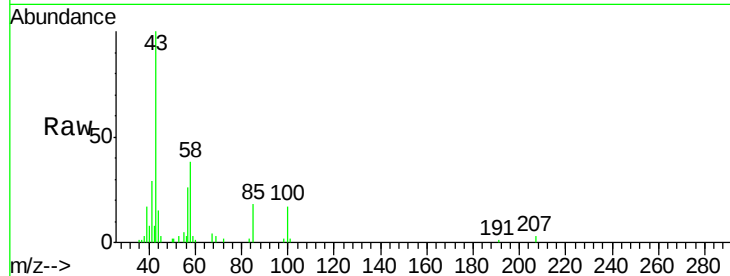
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 29666

Ion Ratio Lower Upper

43 100

58 37.4 31.8 47.8



#52

Toluene

Concen: 0.60 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049792.D

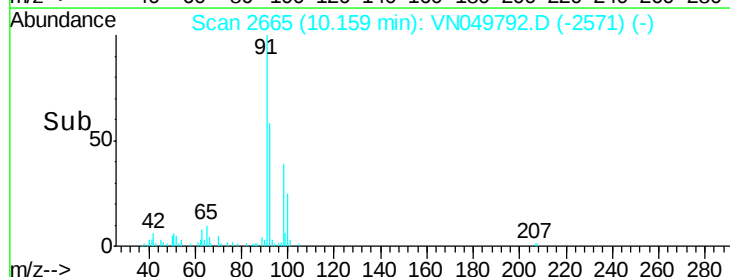
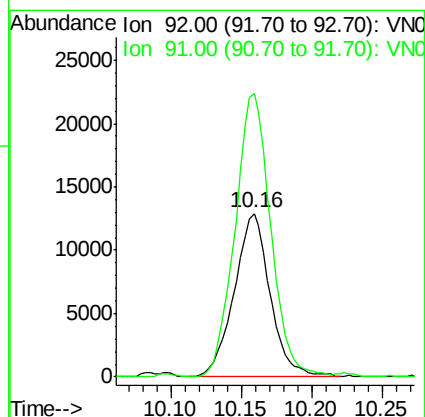
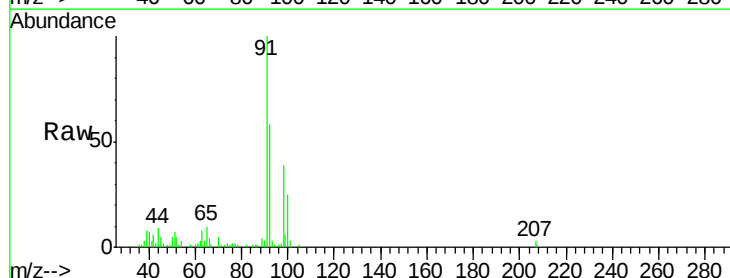
Acq: 13 Jul 2018 13:06

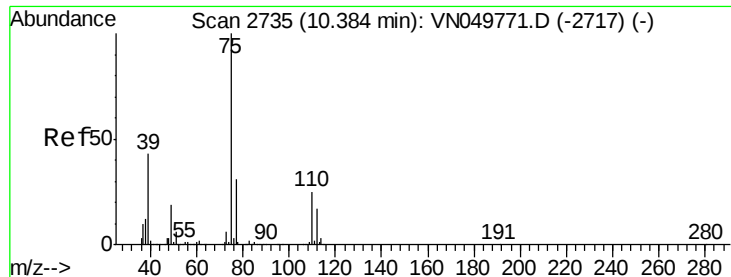
Tgt Ion: 92 Resp: 22992

Ion Ratio Lower Upper

92 100

91 172.4 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 0.52 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

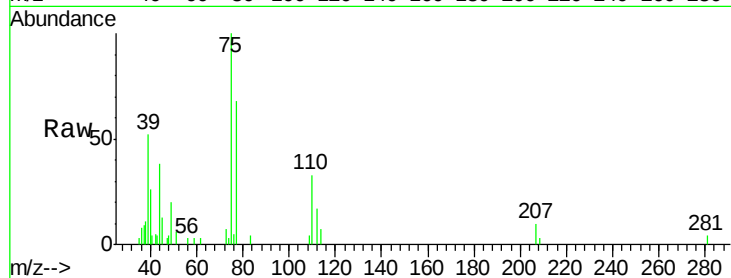
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 75 Resp: 11154

Ion Ratio Lower Upper

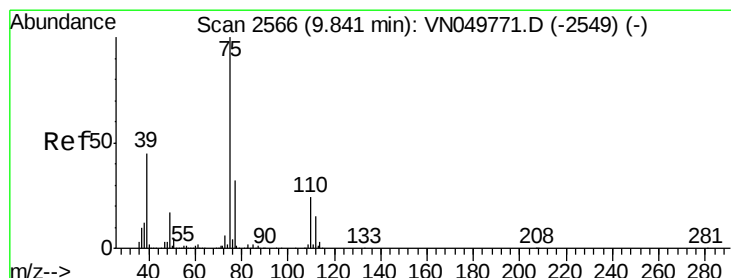
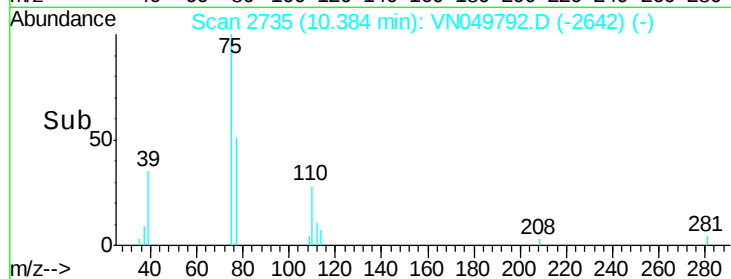
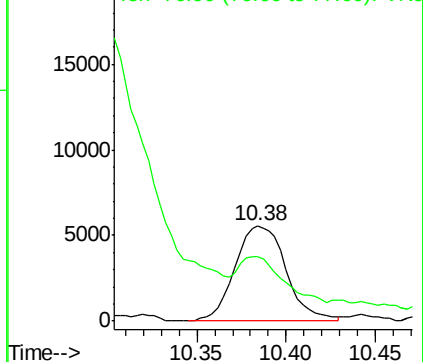
75 100

77 45.2 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.51 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

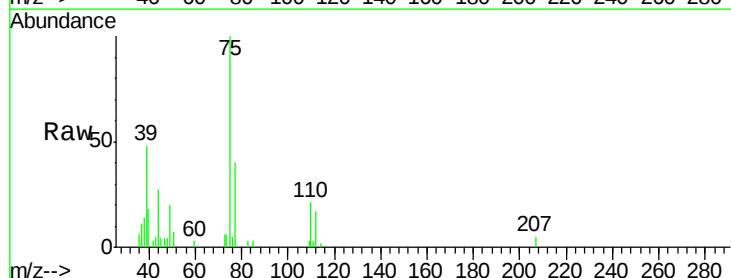
Tgt Ion: 75 Resp: 12592

Ion Ratio Lower Upper

75 100

77 40.1 25.3 37.9#

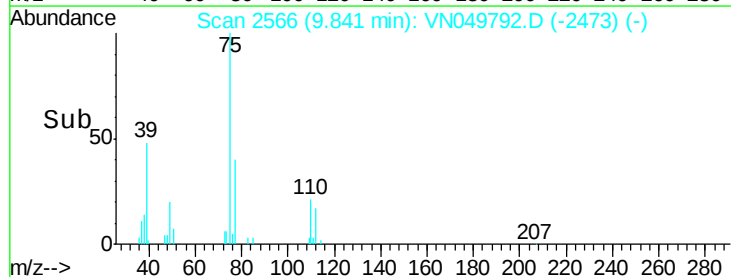
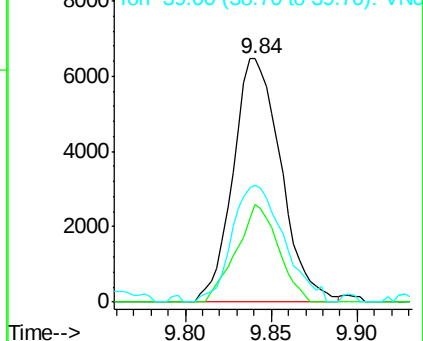
39 48.0 35.5 53.3

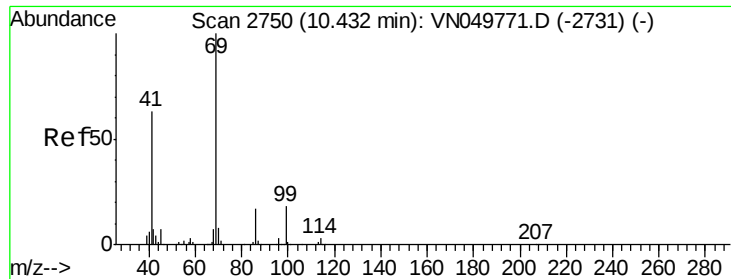


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

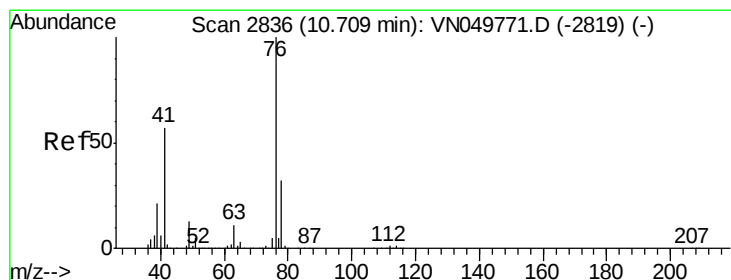
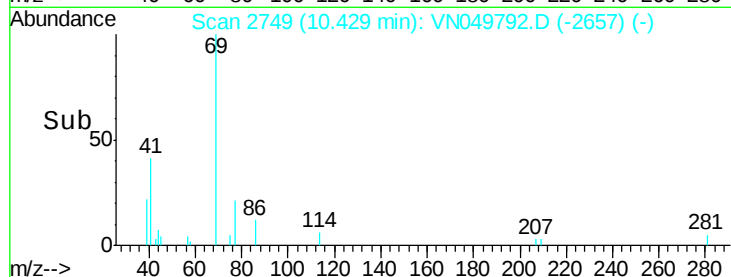
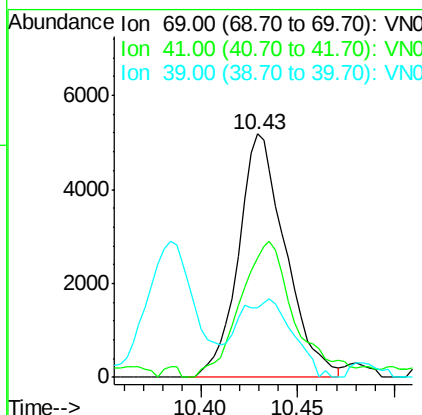
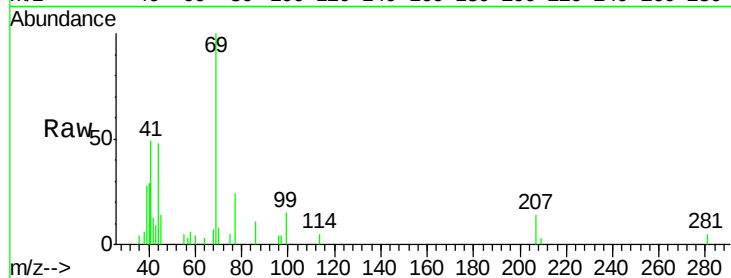




#56
Ethyl methacrylate
Concen: 0.51 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

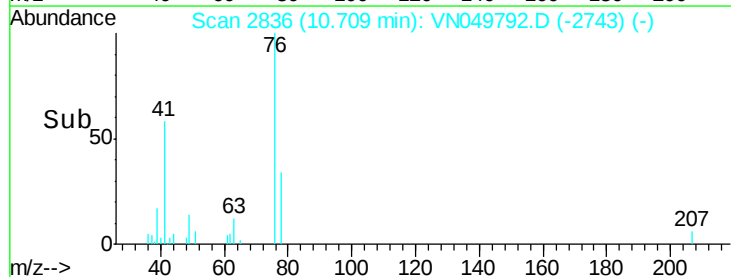
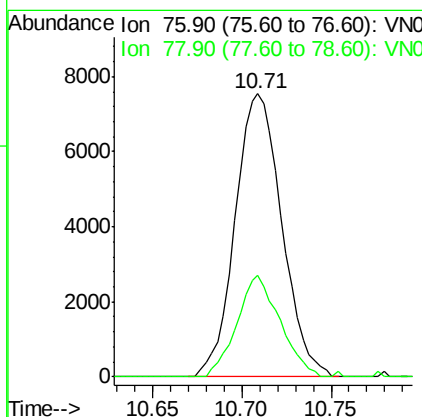
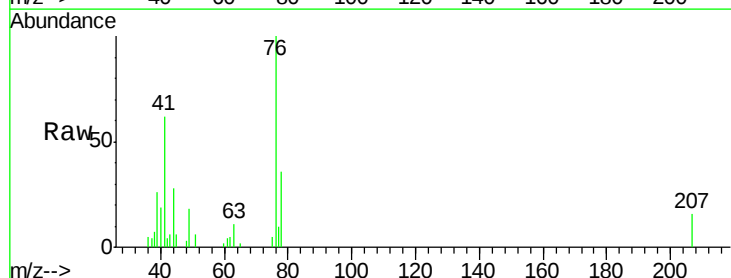
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

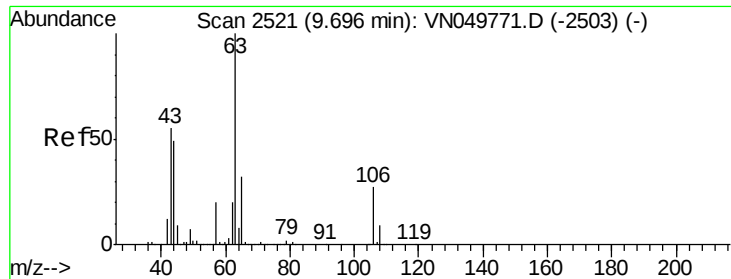
Tot Ion: 69 Resp: 8740
Ion Ratio Lower Upper
69 100
41 66.4 51.6 77.4
39 38.0 25.8 38.8



#57
1,3-Dichloropropane
Concen: 0.56 ug/l
RT: 10.71 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 76 Resp: 13730
Ion Ratio Lower Upper
76 100
78 33.1 25.8 38.8

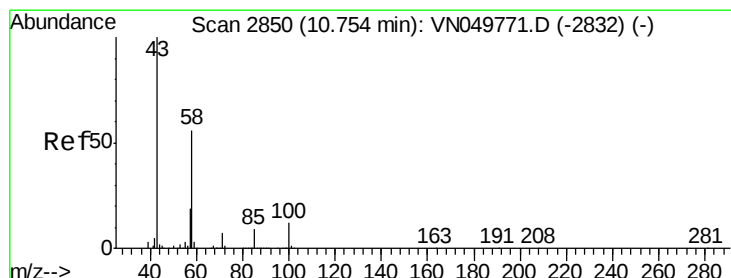
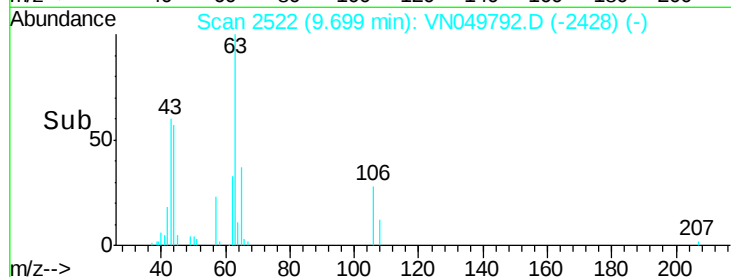
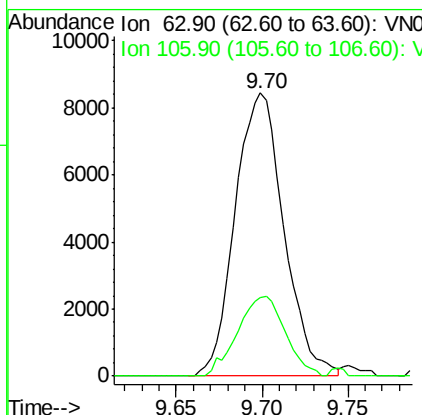
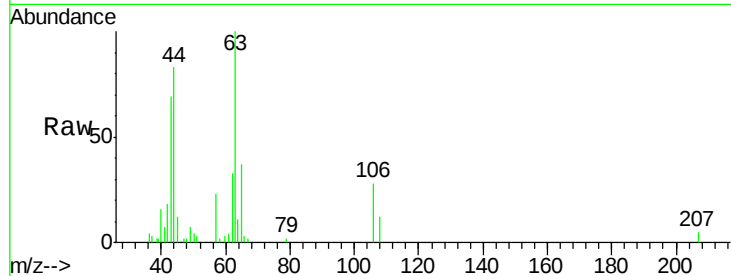




#58
2-Chloroethyl Vinyl ether
Concen: 2.01 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

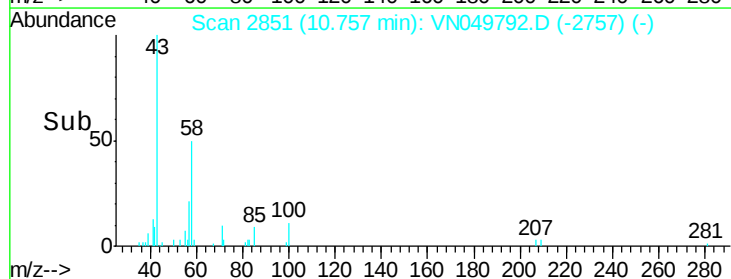
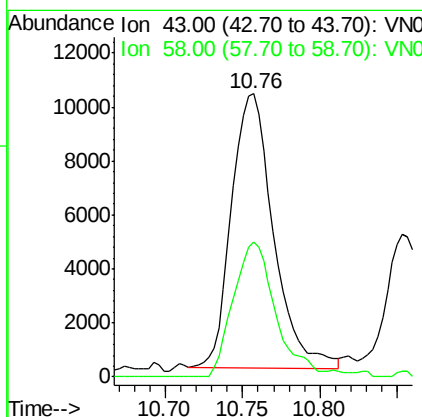
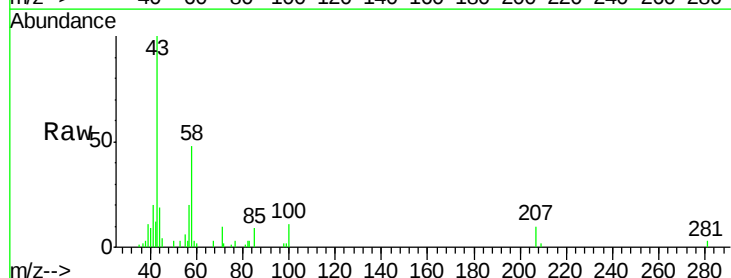
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

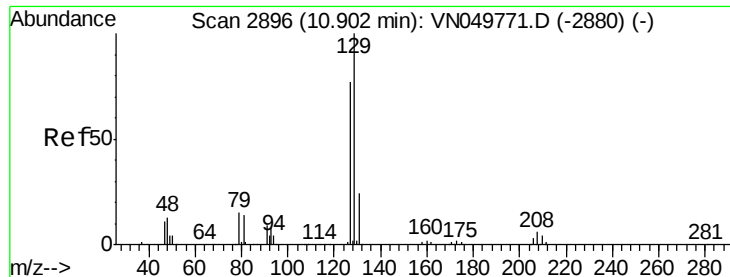
Tot Ion: 63 Resp: 16620
Ion Ratio Lower Upper
63 100
106 27.5 21.8 32.8



#59
2-Hexanone
Concen: 2.34 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 43 Resp: 19130
Ion Ratio Lower Upper
43 100
58 49.4 27.8 83.4





#60

Dibromochloromethane

Concen: 0.61 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

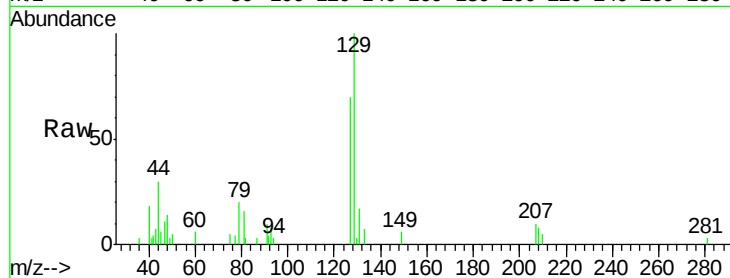
LOD-MDL-WATER-01-QT3-2018

Tot Ion:129 Resp: 10265

Ion Ratio Lower Upper

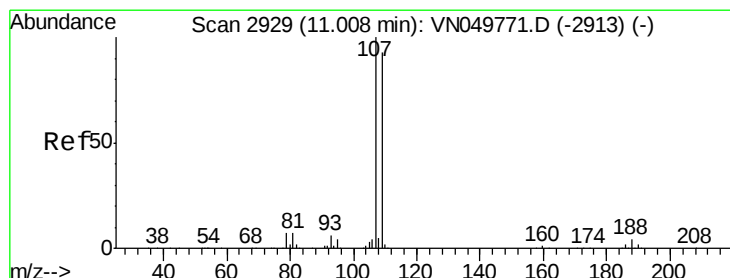
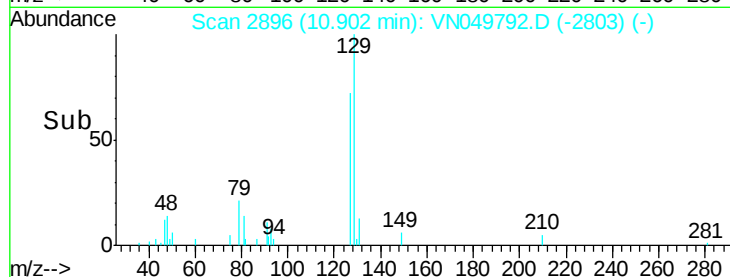
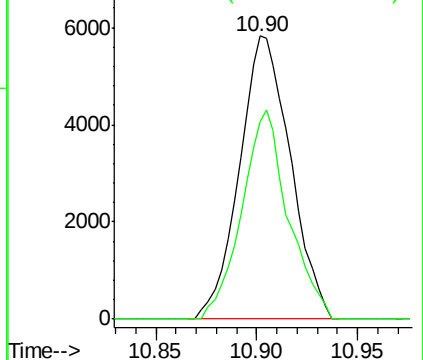
129 100

127 67.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.57 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049792.D

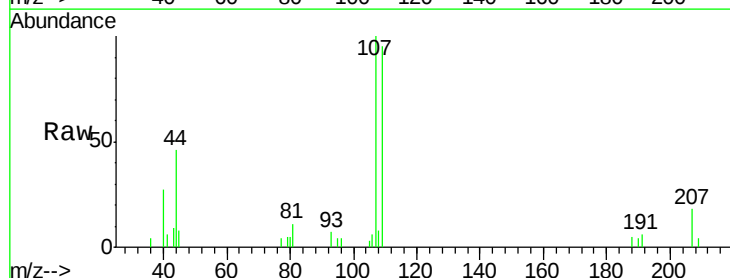
Acq: 13 Jul 2018 13:06

Tgt Ion:107 Resp: 7959

Ion Ratio Lower Upper

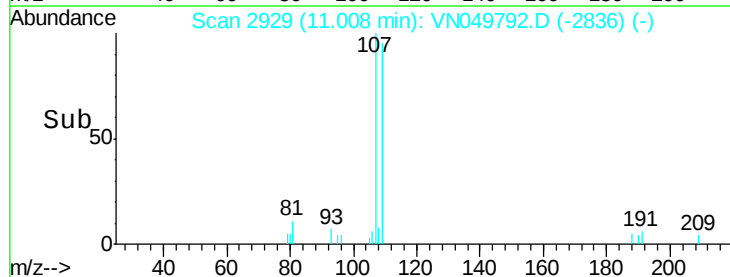
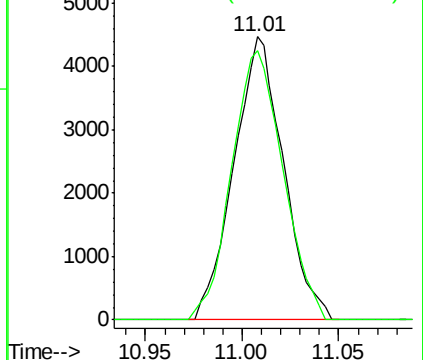
107 100

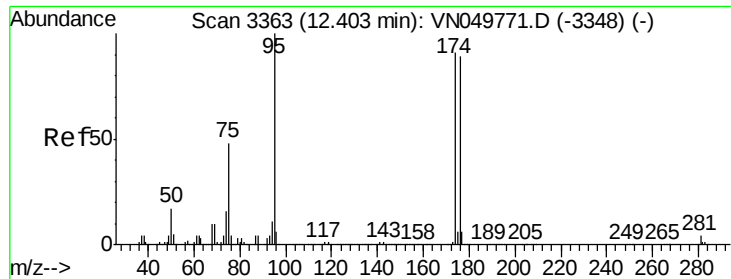
109 98.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 41.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

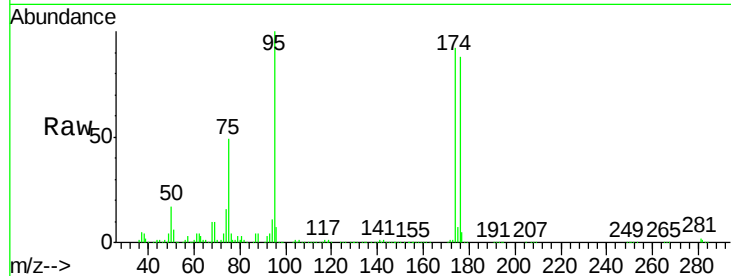
Tot Ion: 95 Resp: 708625

Ion Ratio Lower Upper

95 100

174 92.1 0.0 179.6

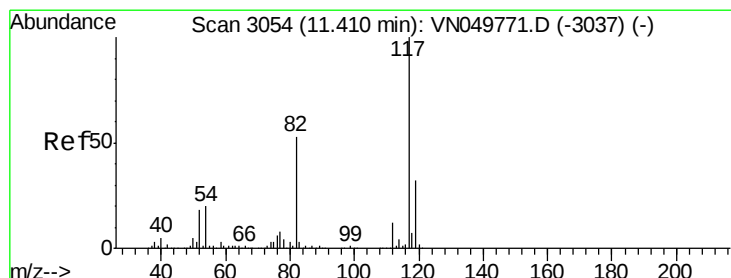
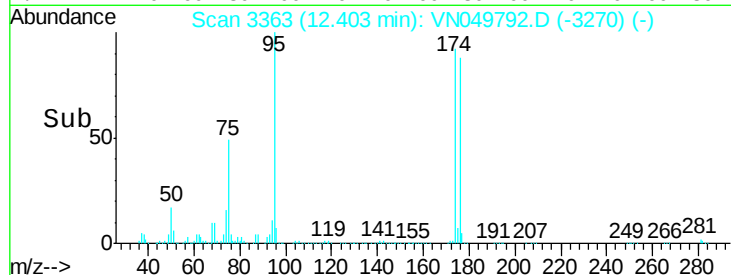
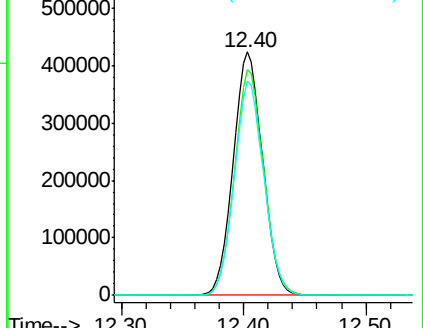
176 87.8 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049771.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049771.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049771.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

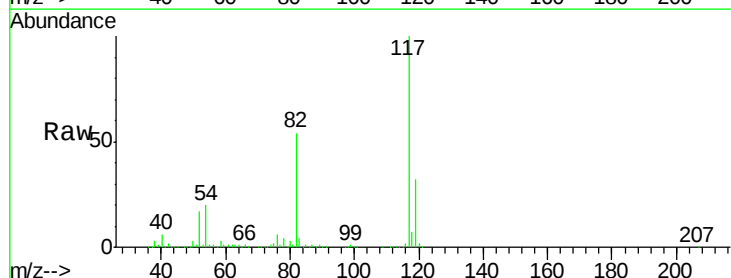
Tgt Ion: 117 Resp: 1598984

Ion Ratio Lower Upper

117 100

82 53.6 41.9 62.9

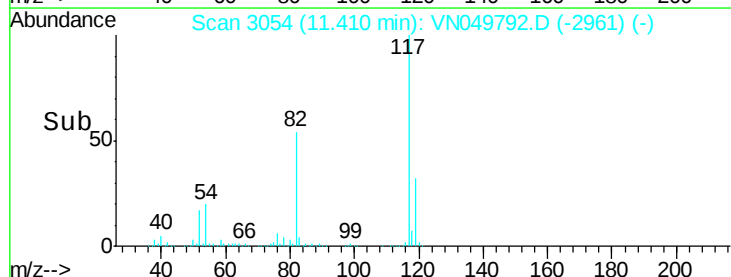
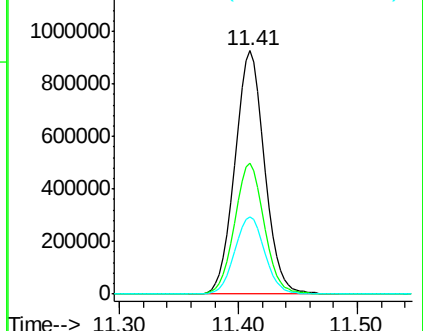
119 31.8 25.4 38.2

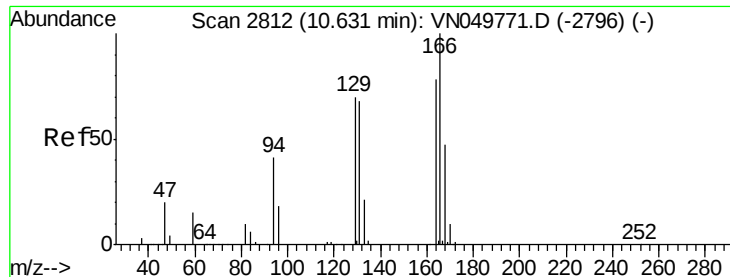


Abundance Ion 116.90 (116.60 to 117.60): VN049771.D (-3037) (-)

Ion 82.00 (81.70 to 82.70): VN049771.D (-3037) (-)

Ion 118.90 (118.60 to 119.60): VN049771.D (-3037) (-)





#64

Tetrachloroethene

Concen: 0.61 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:164 Resp: 8879

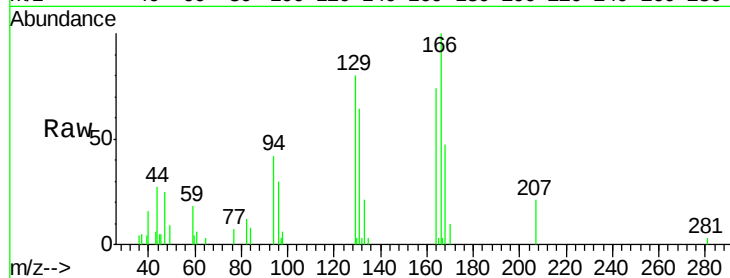
Ion Ratio Lower Upper

164 100

166 135.2 101.8 152.6

129 108.2 72.8 109.2

131 86.5 70.0 105.0

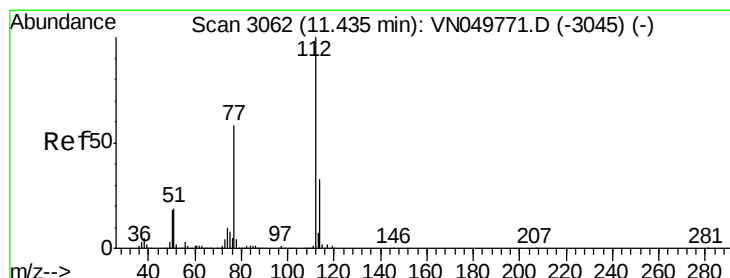
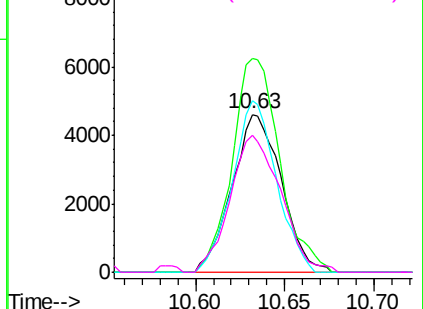
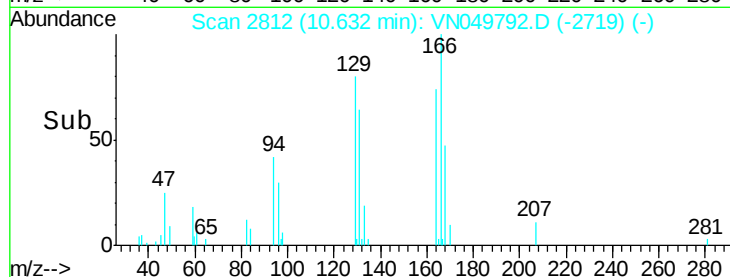


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.60 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049792.D

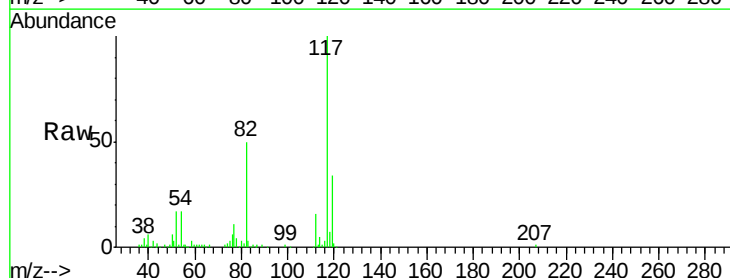
Acq: 13 Jul 2018 13:06

Tgt Ion:112 Resp: 24834

Ion Ratio Lower Upper

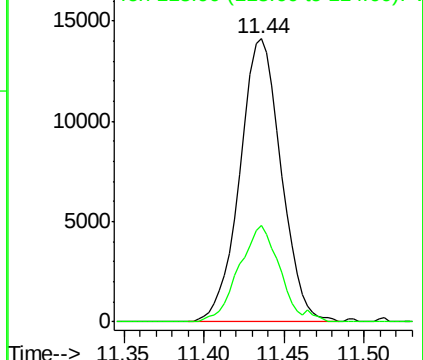
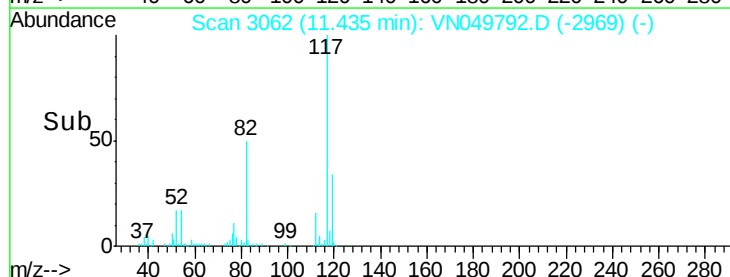
112 100

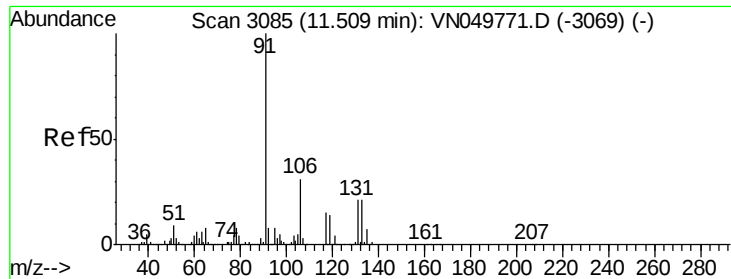
114 34.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.57 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

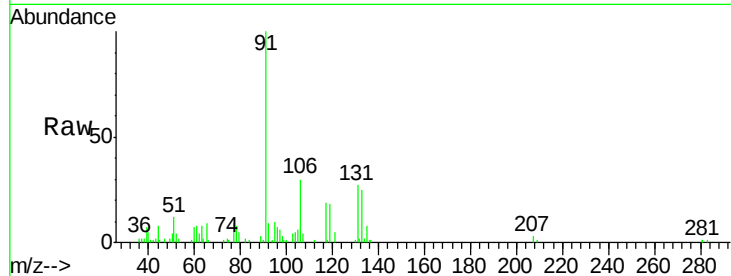
Tot Ion:131 Resp: 8989

Ion Ratio Lower Upper

131 100

133 105.8 47.5 142.6

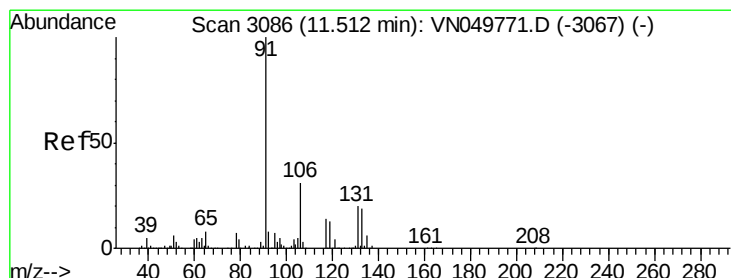
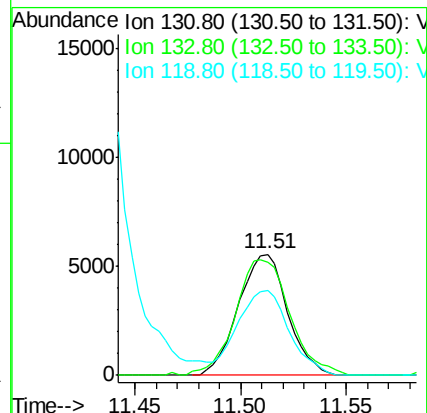
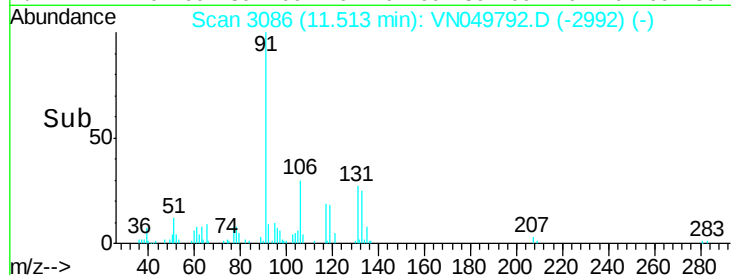
119 0.0 33.1 99.3#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.53 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049792.D

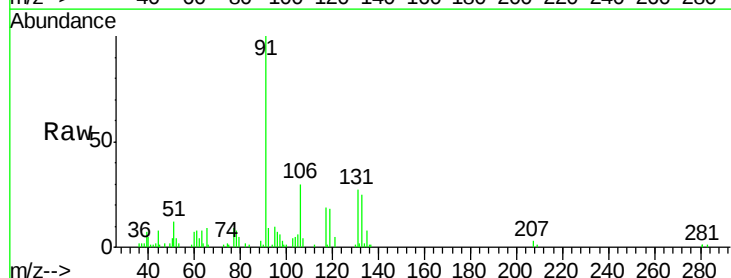
Acq: 13 Jul 2018 13:06

Tgt Ion: 91 Resp: 35948

Ion Ratio Lower Upper

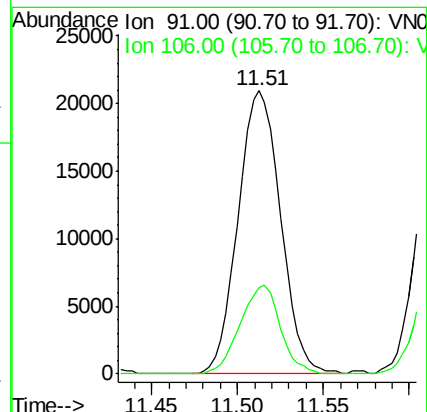
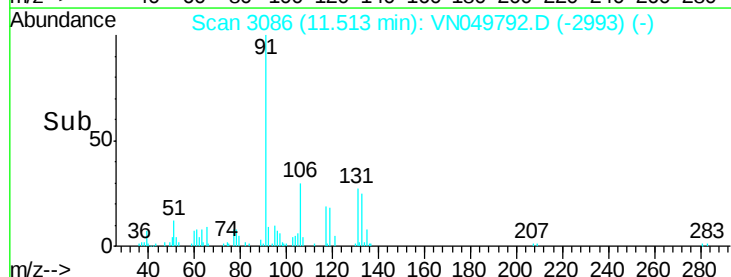
91 100

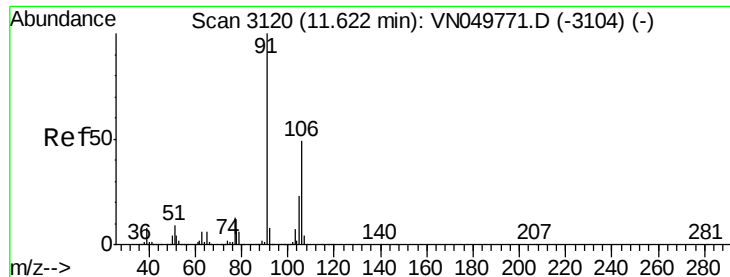
106 30.3 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.01 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

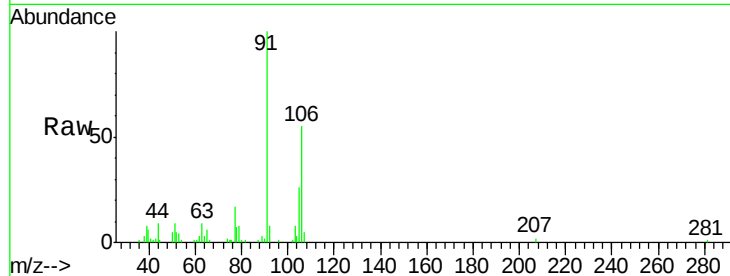
LOD-MDL-WATER-01-QT3-2018

Tot Ion:106 Resp: 25934

Ion Ratio Lower Upper

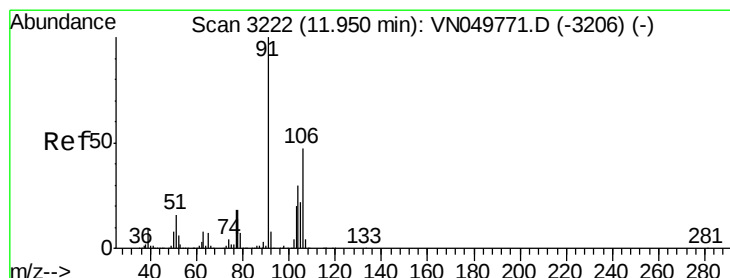
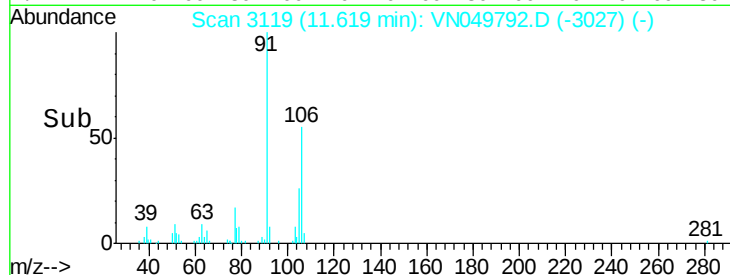
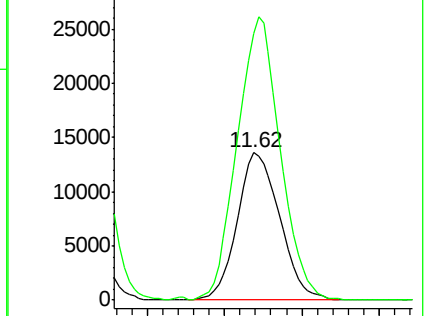
106 100

91 194.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.44 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN049792.D

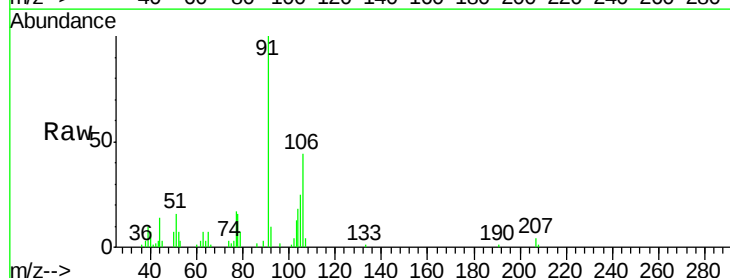
Acq: 13 Jul 2018 13:06

Tgt Ion:106 Resp: 10870

Ion Ratio Lower Upper

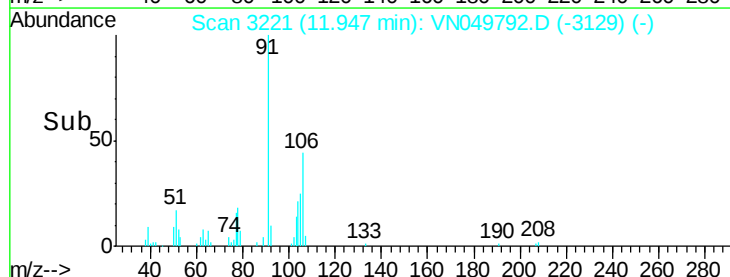
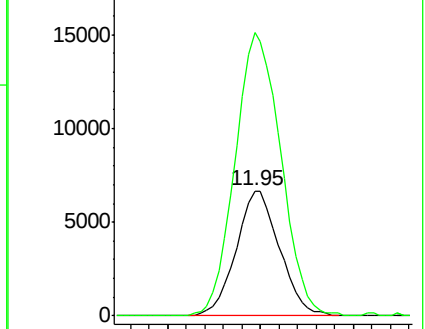
106 100

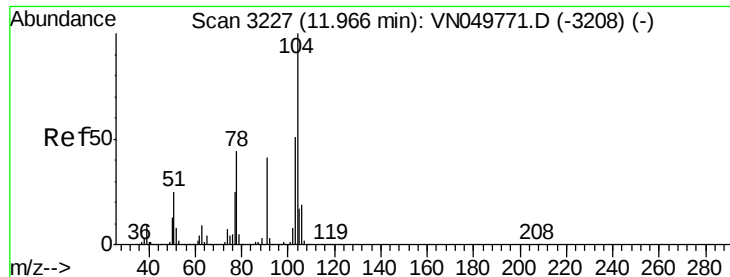
91 238.9 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 0.43 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

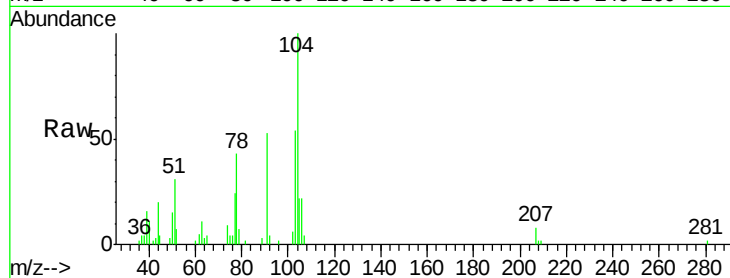
Tot Ion:104 Resp: 16779

Ion Ratio Lower Upper

104 100

78 54.1 39.2 58.8

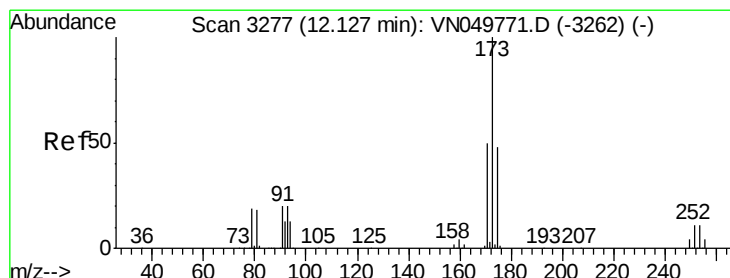
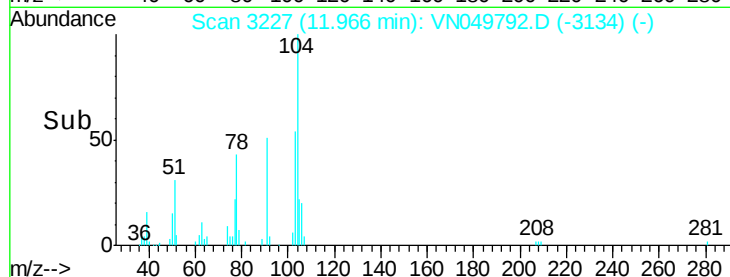
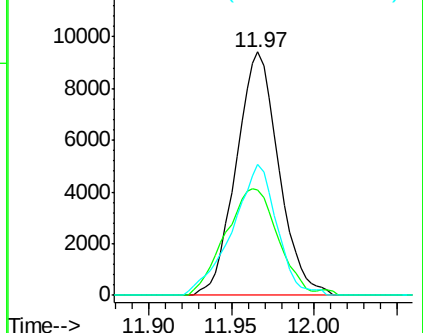
103 56.5 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.55 ug/l

RT: 12.13 min Scan# 3279

Delta R.T. 0.01 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

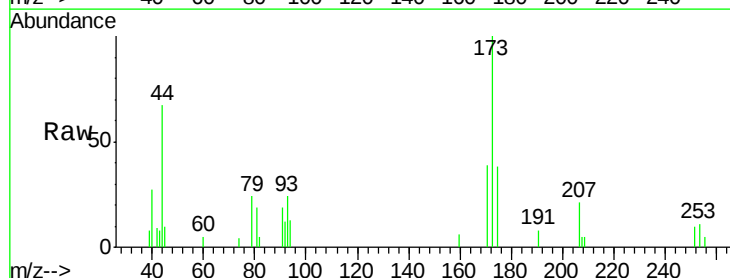
Tgt Ion:173 Resp: 5802

Ion Ratio Lower Upper

173 100

175 42.8 24.6 73.8

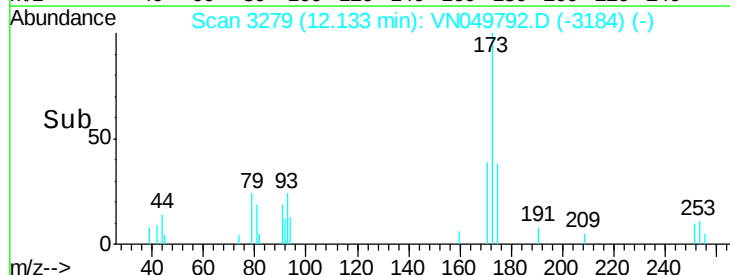
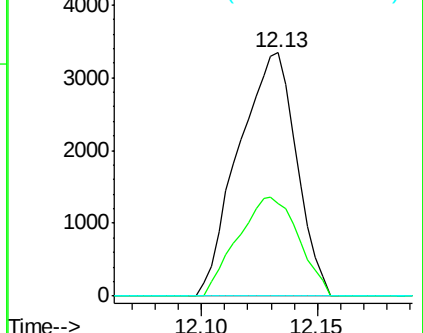
254 0.0 0.2 0.2#

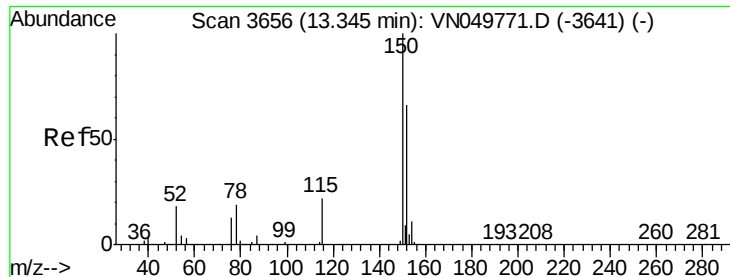


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

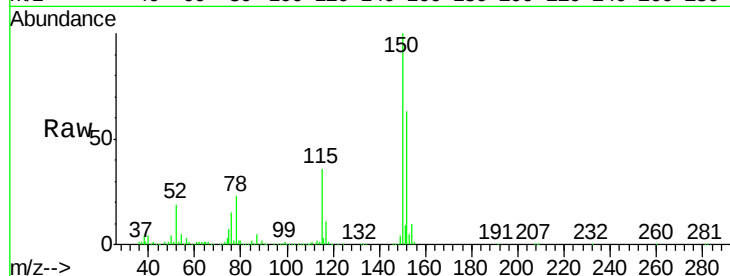
Tot Ion:152 Resp: 632135

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

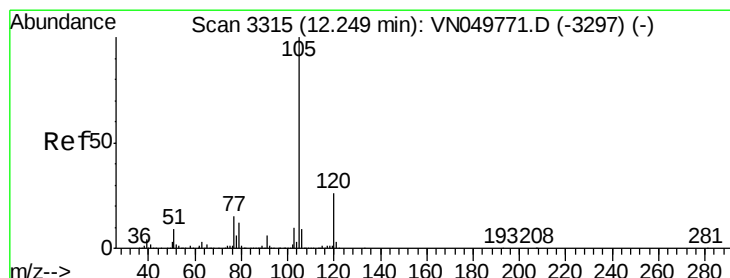
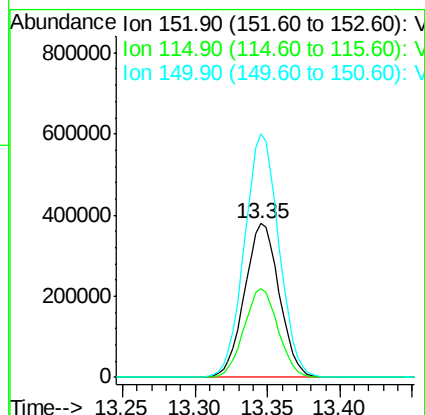
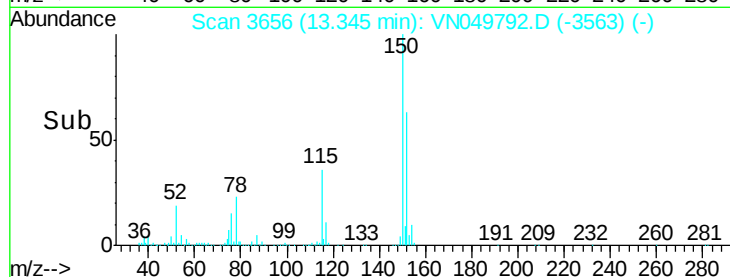
150 156.9 0.0 347.6



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



#73

Isopropylbenzene

Concen: 0.56 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049792.D

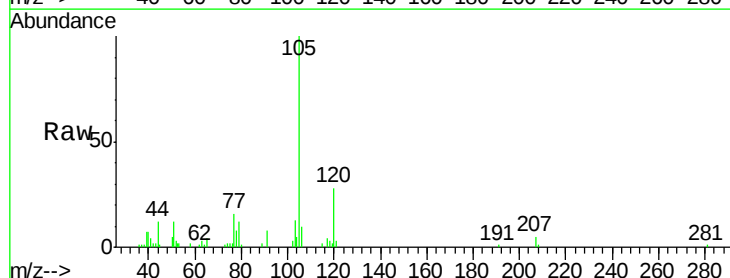
Acq: 13 Jul 2018 13:06

Tgt Ion:105 Resp: 29346

Ion Ratio Lower Upper

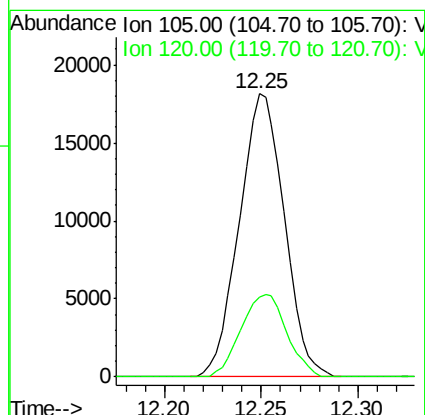
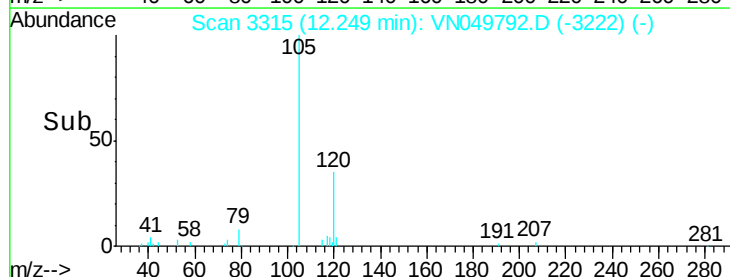
105 100

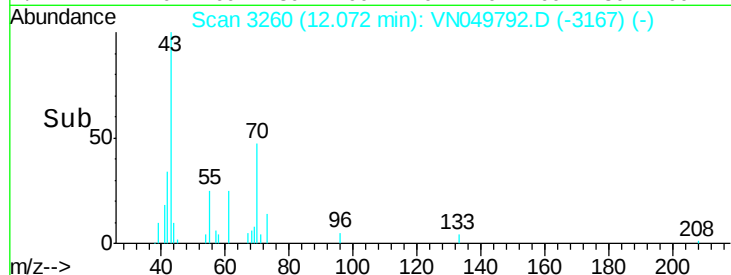
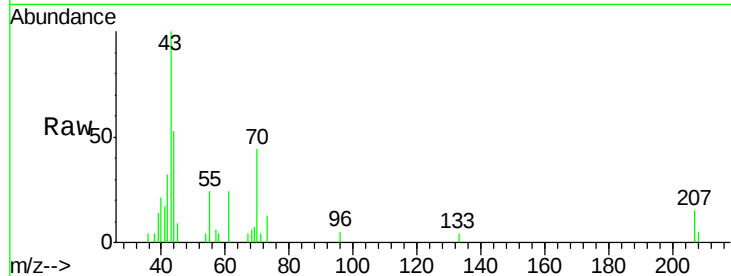
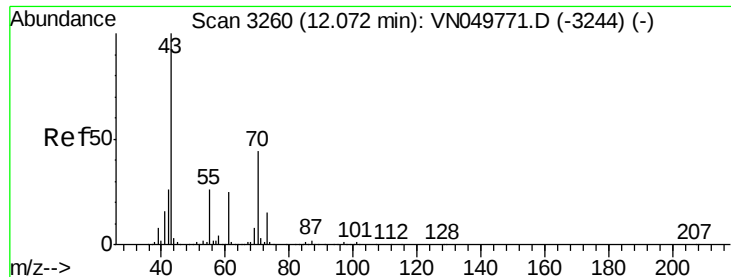
120 29.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.51 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 6919

Ion Ratio Lower Upper

43 100

70 43.5 34.8 52.2

55 32.8 20.9 31.3#

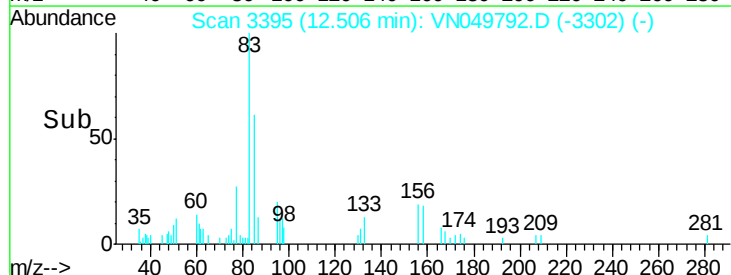
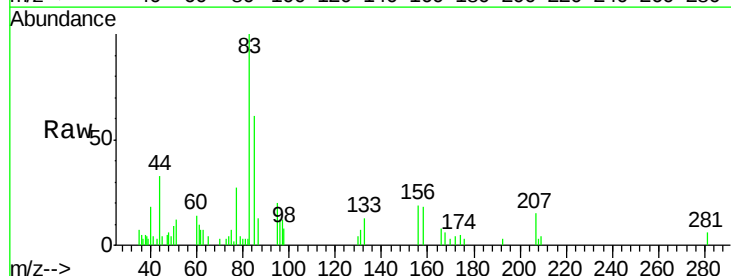
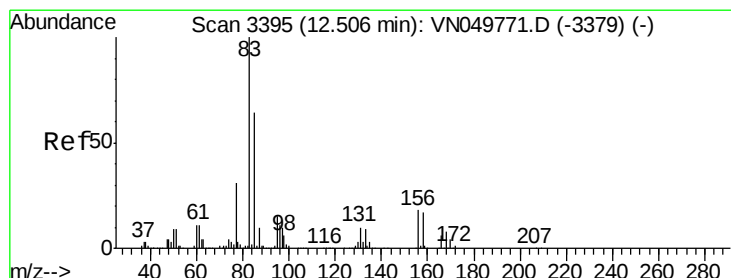
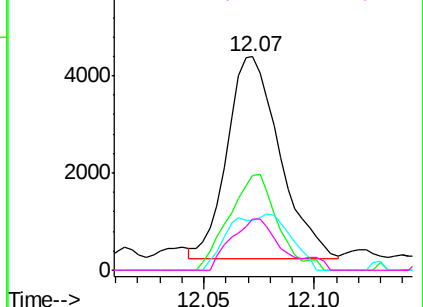
61 24.6 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Tgt Ion: 83 Resp: 10319

Ion Ratio Lower Upper

83 100

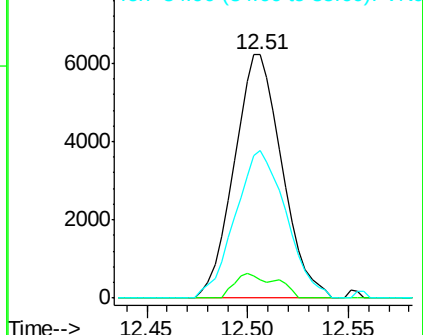
131 8.8 5.2 15.6

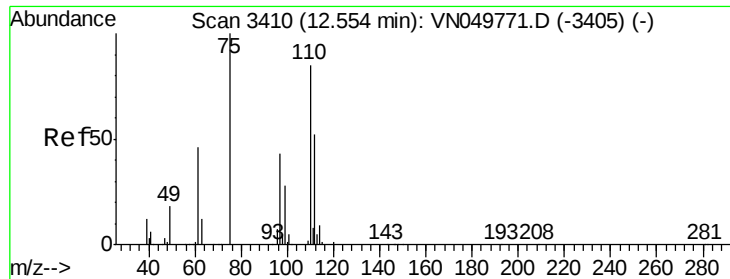
85 64.5 32.5 97.4

Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 0.97 ug/l

RT: 12.55 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

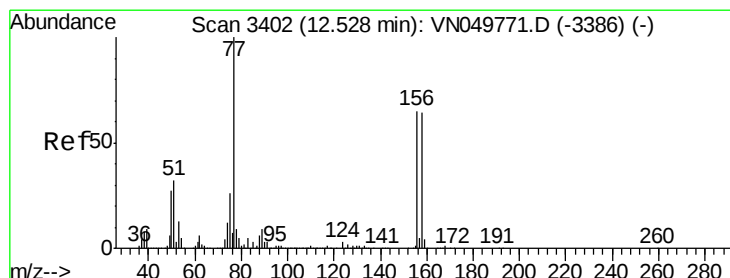
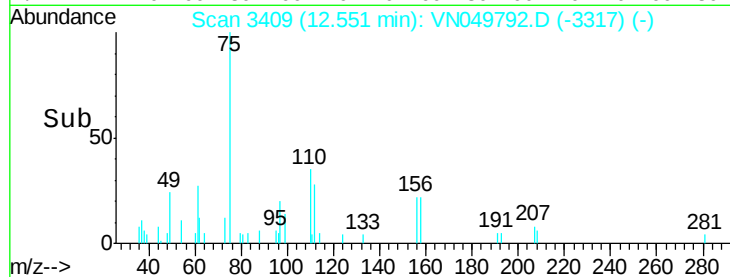
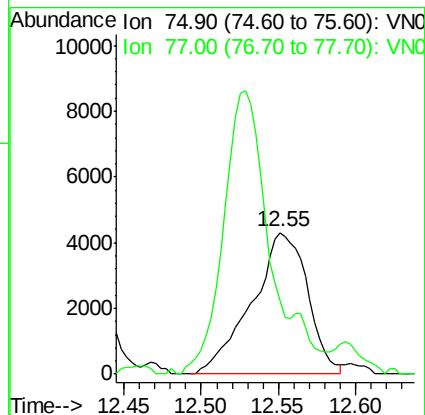
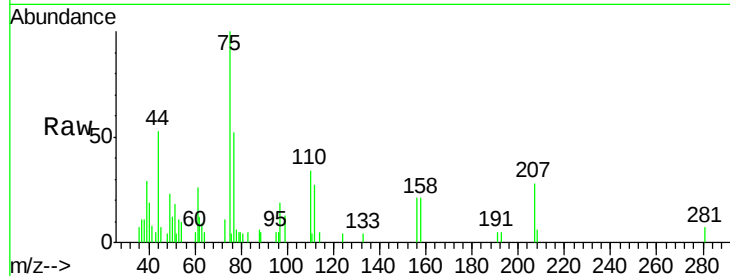
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 75 Resp: 10848

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 0.76 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

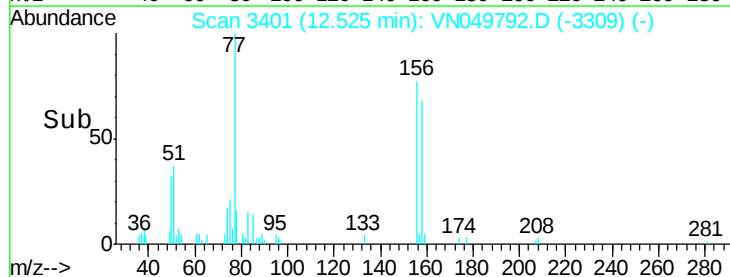
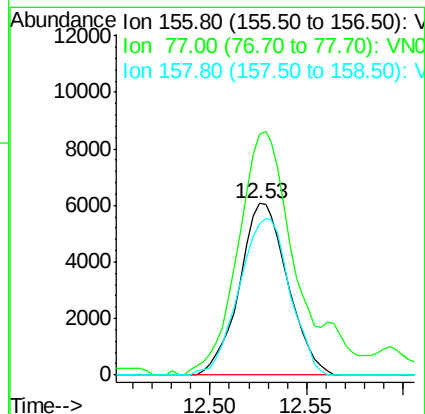
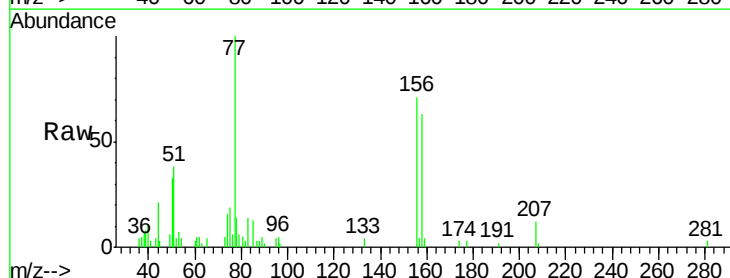
Tgt Ion: 156 Resp: 10567

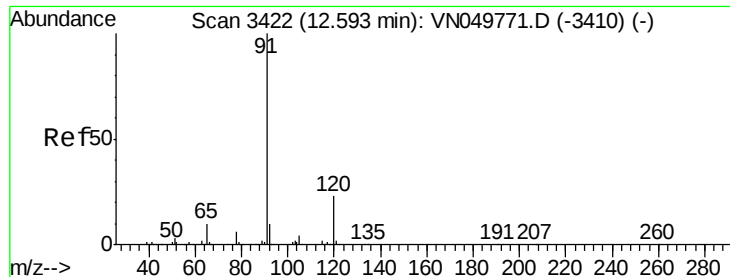
Ion Ratio Lower Upper

156 100

77 156.0 90.2 270.6

158 95.0 49.1 147.3





#78

n-propylbenzene

Concen: 0.61 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

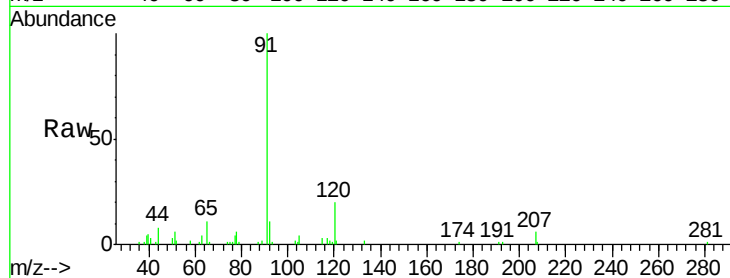
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 36421

Ion Ratio Lower Upper

91 100

120 21.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3410) (-)

12.59

25000

20000

15000

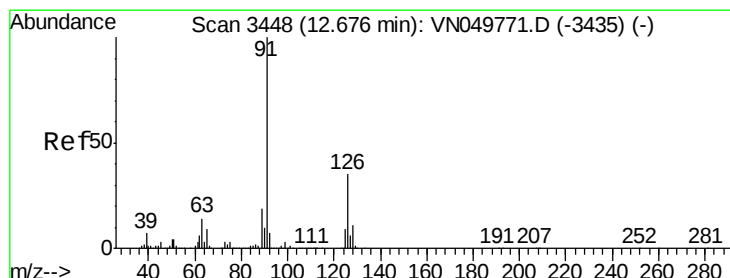
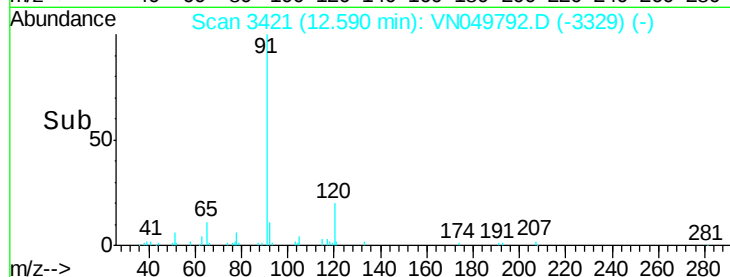
10000

5000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 0.65 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049792.D

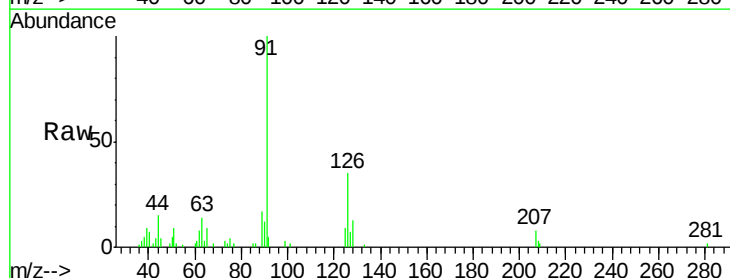
Acq: 13 Jul 2018 13:06

Tgt Ion: 91 Resp: 23657

Ion Ratio Lower Upper

91 100

126 36.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)

12.68

25000

20000

15000

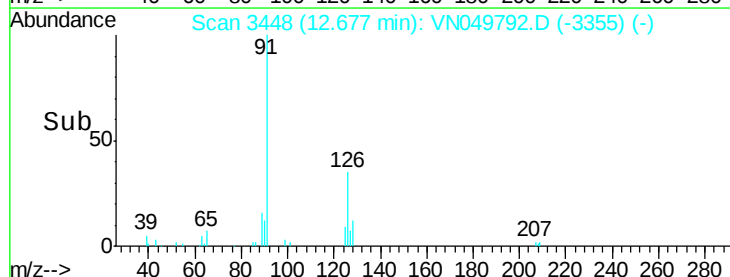
10000

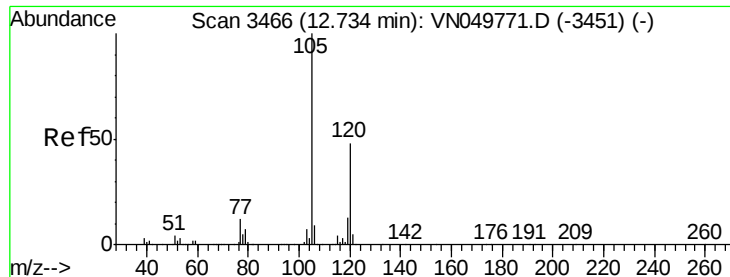
5000

0

Time-->

12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 0.58 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

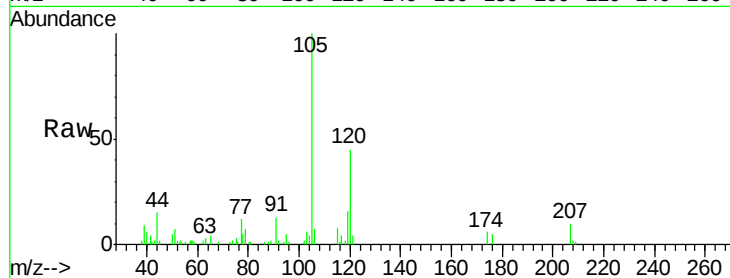
LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 24128

Ion Ratio Lower Upper

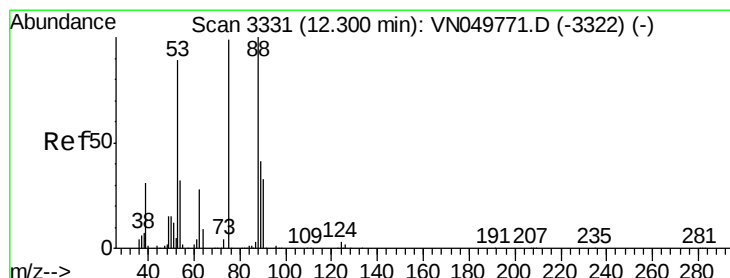
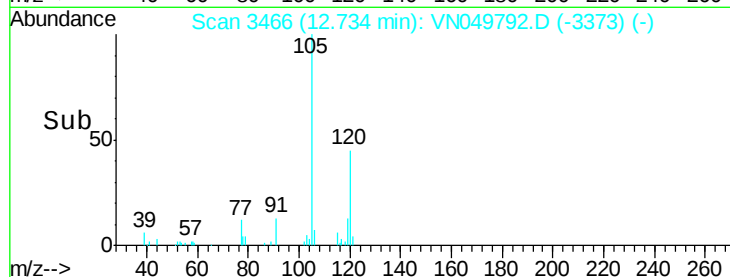
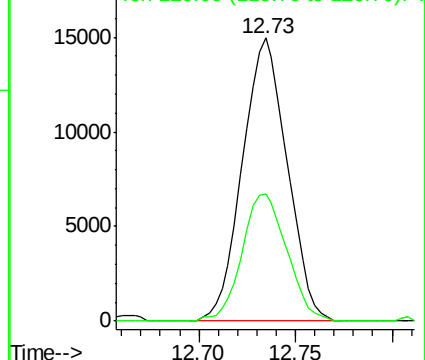
105 100

120 45.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 99.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

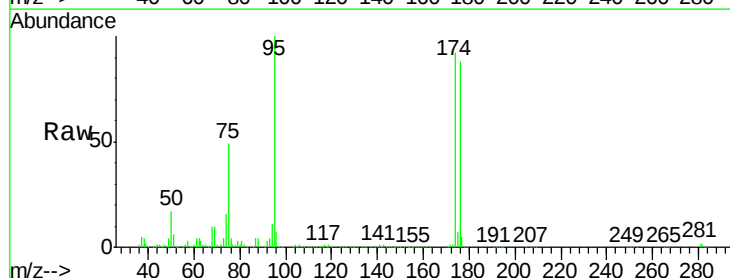
Tgt Ion: 75 Resp: 346177

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

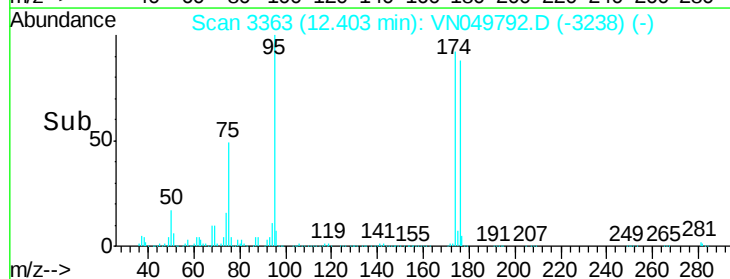
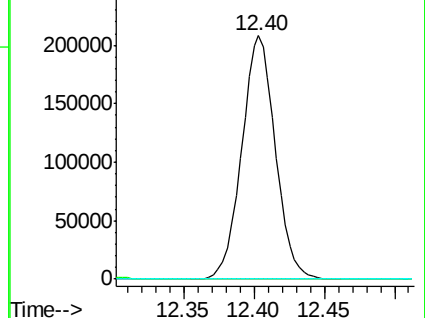
89 0.0 35.9 53.9#

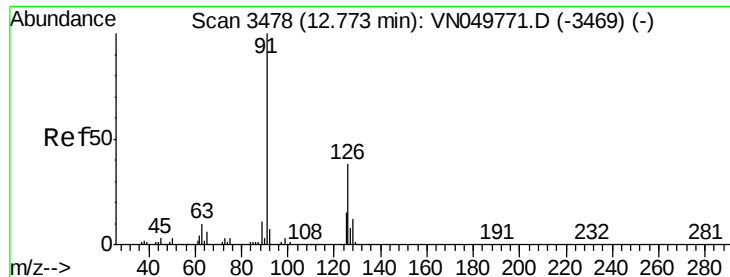


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

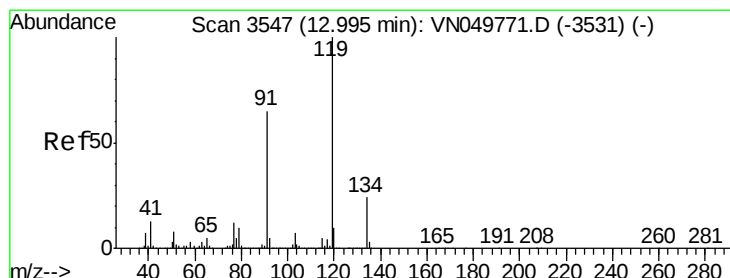
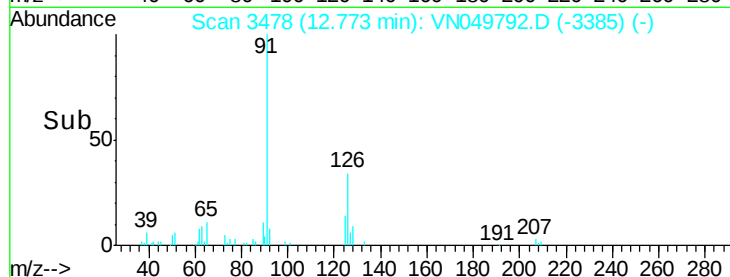
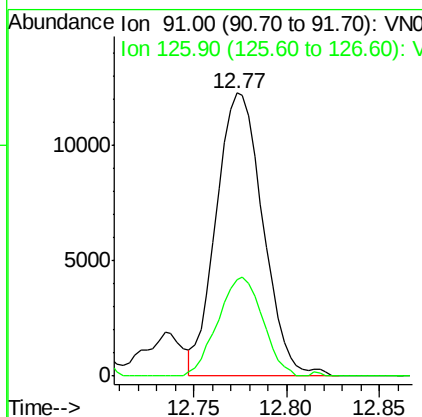
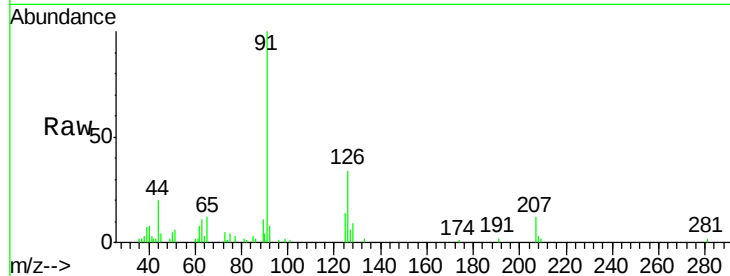




#82
4-Chlorotoluene
Concen: 0.60 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

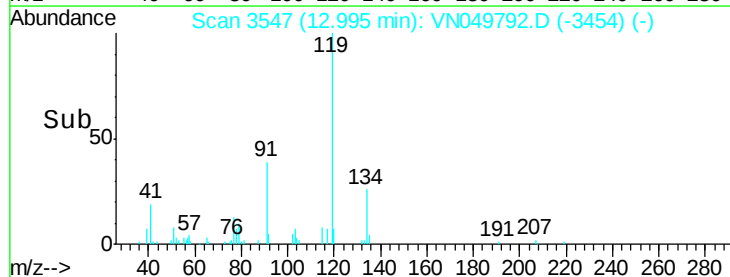
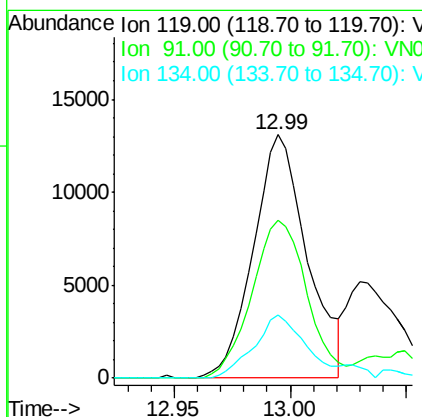
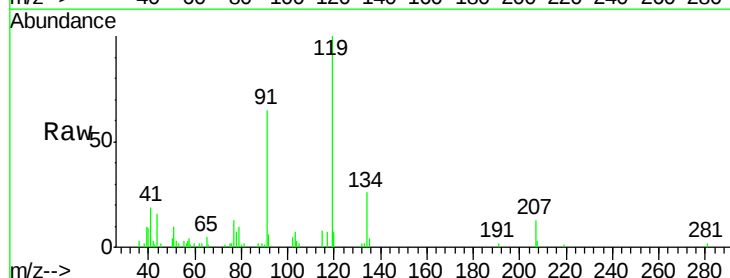
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

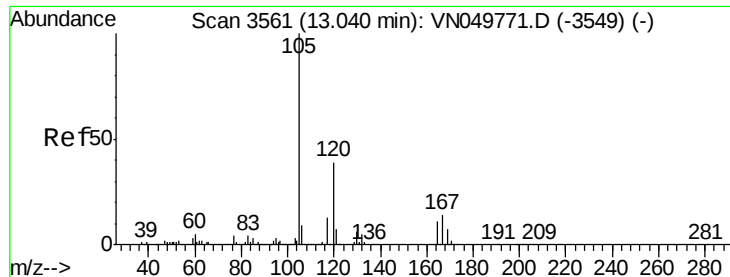
Tot Ion: 91 Resp: 21519
Ion Ratio Lower Upper
91 100
126 33.4 17.2 51.6



#83
tert-Butylbenzene
Concen: 0.57 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 119 Resp: 21109
Ion Ratio Lower Upper
119 100
91 66.3 32.0 96.2
134 24.8 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.51 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

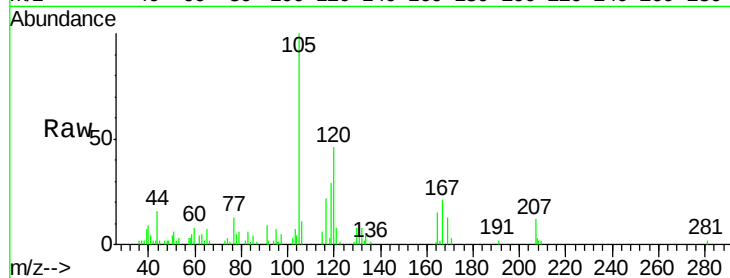
LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 21560

Ion Ratio Lower Upper

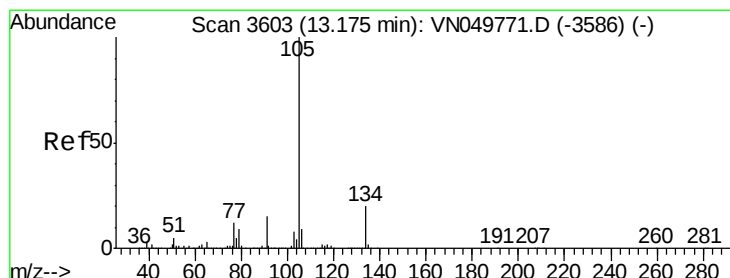
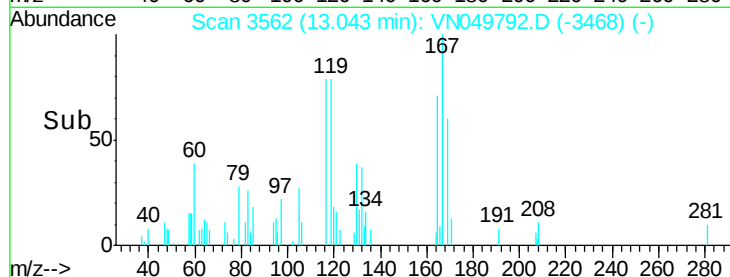
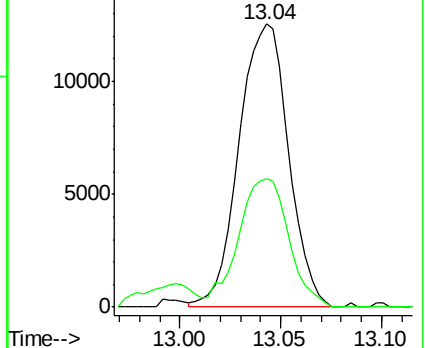
105 100

120 46.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.55 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049792.D

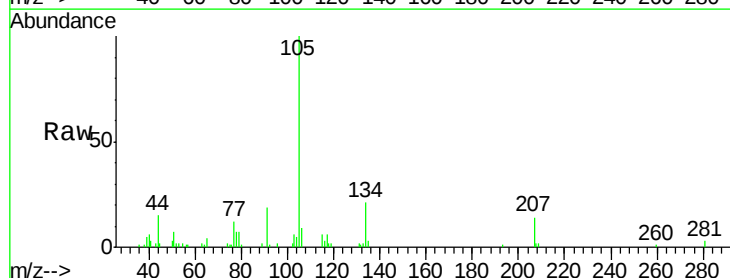
Acq: 13 Jul 2018 13:06

Tgt Ion:105 Resp: 27012

Ion Ratio Lower Upper

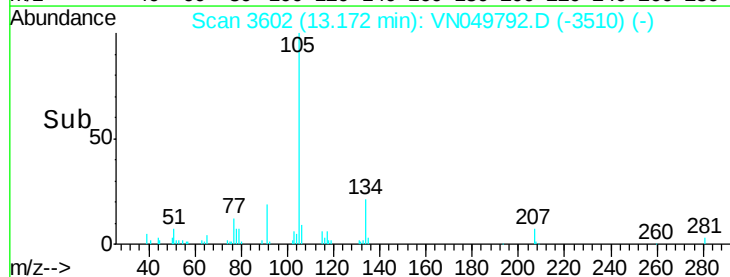
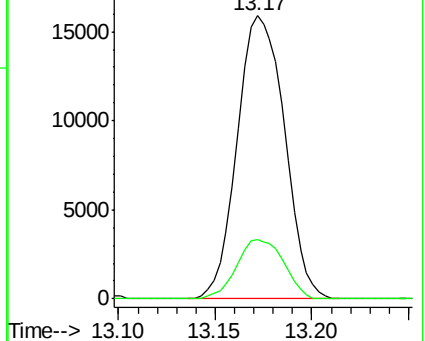
105 100

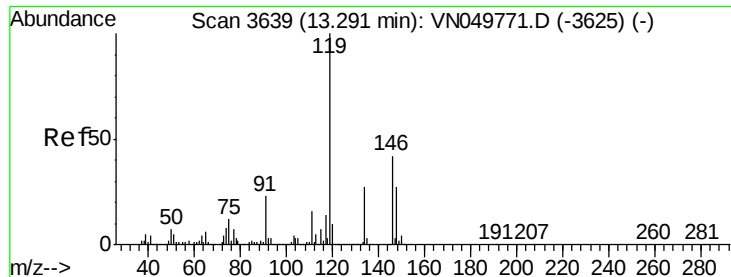
134 20.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

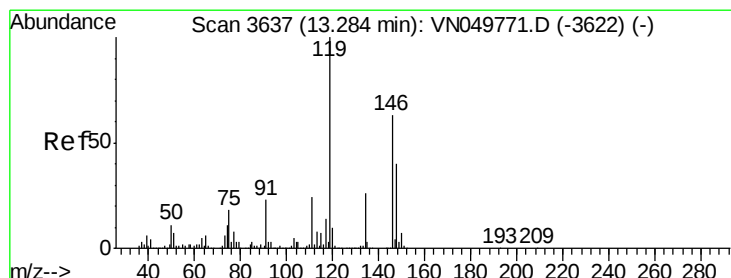
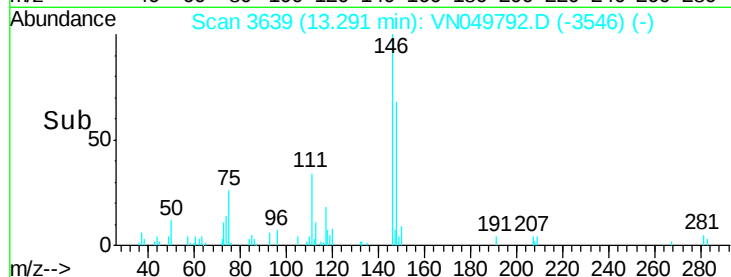
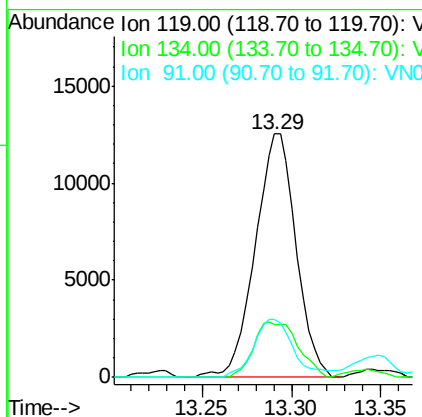
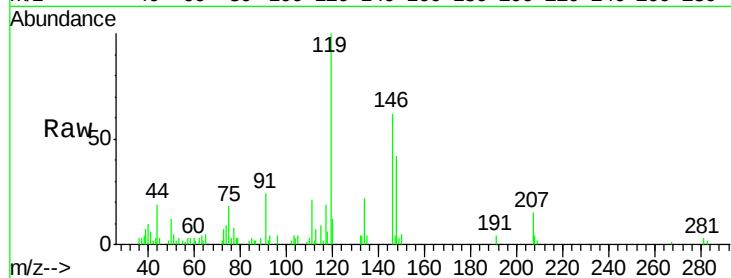




#86
p-Isopropyltoluene
Concen: 0.48 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

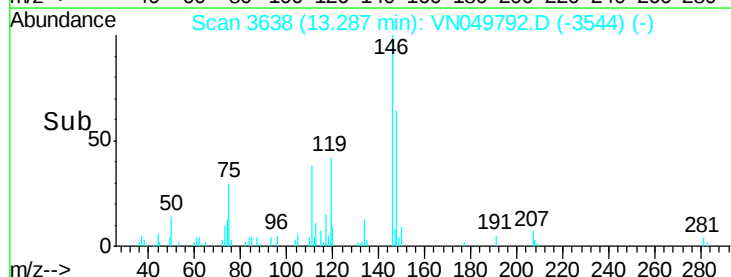
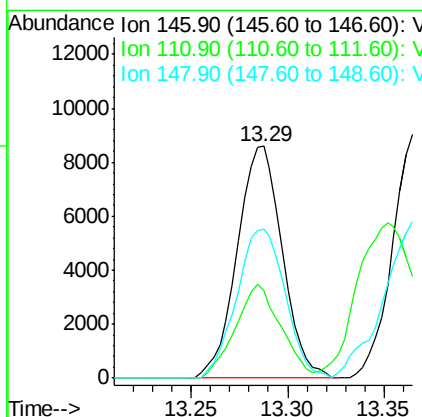
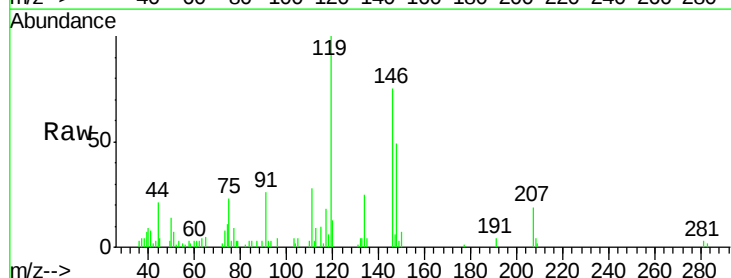
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

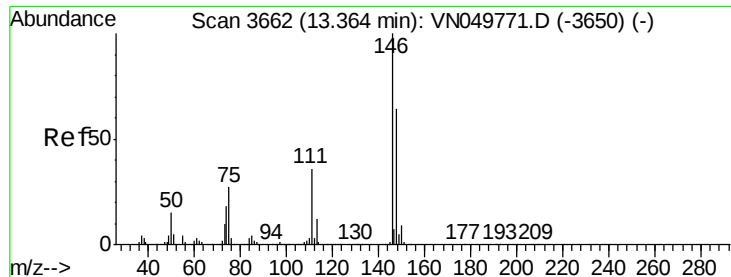
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.3	39.9
91	23.6	11.4	34.1



#87
1,3-Dichlorobenzene
Concen: 0.58 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.0	57.0
148	69.1	32.5	97.5

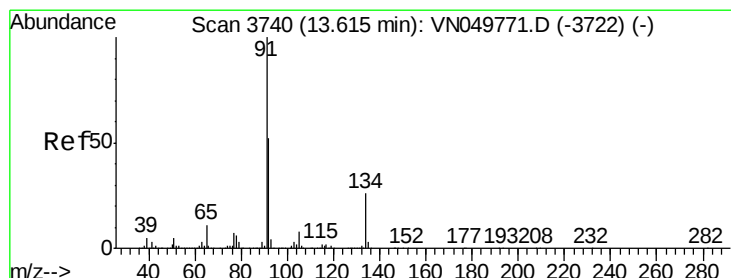
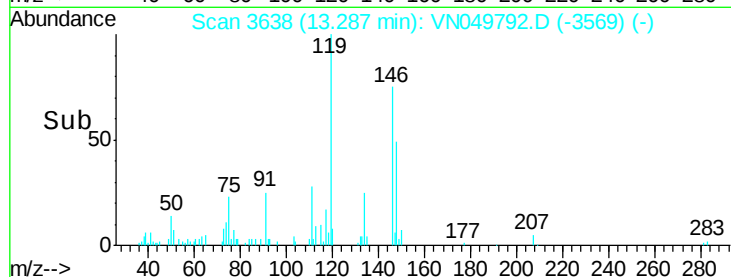
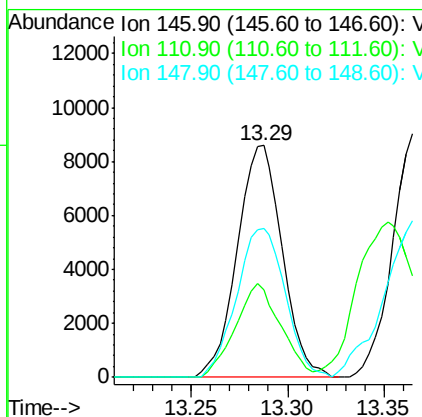
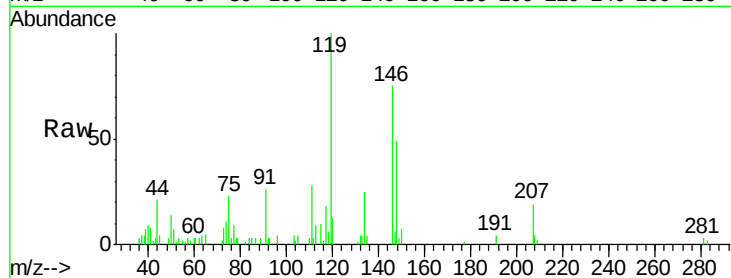




#88
1,4-Dichlorobenzene
Concen: 0.59 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. -0.08 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

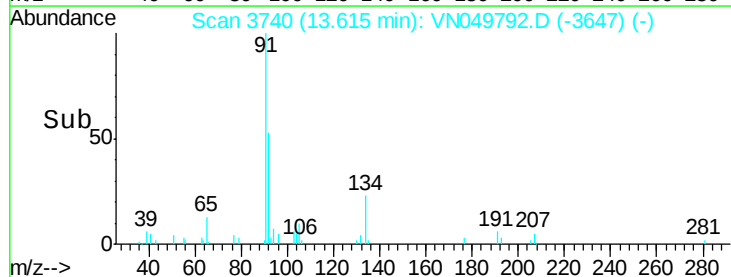
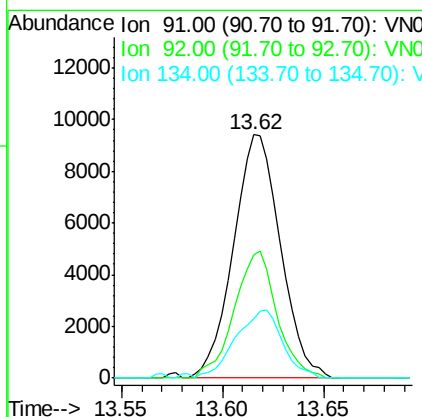
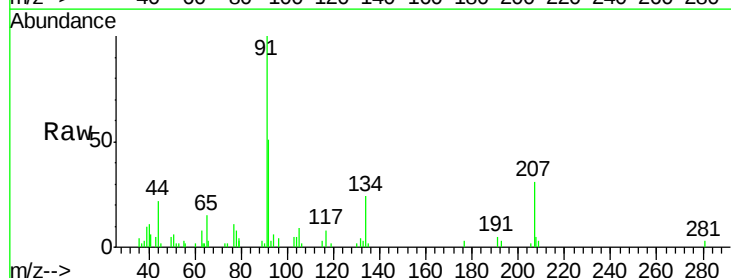
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

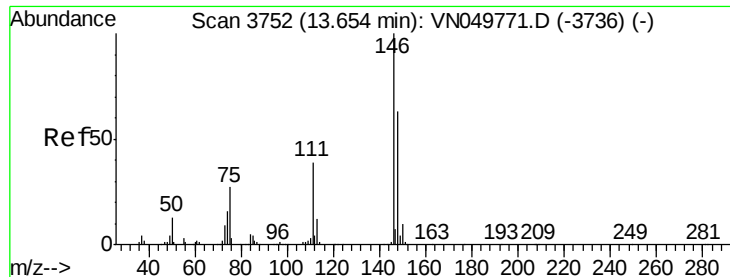
Tot Ion:146 Resp: 13936
Ion Ratio Lower Upper
146 100
111 40.5 18.9 56.5
148 69.1 32.1 96.3



#89
n-Butylbenzene
Concen: 0.45 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049792.D
Acq: 13 Jul 2018 13:06

Tgt Ion: 91 Resp: 15375
Ion Ratio Lower Upper
91 100
92 47.3 25.8 77.3
134 27.9 13.0 38.9

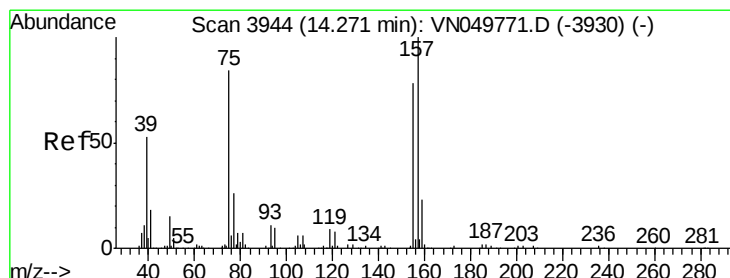
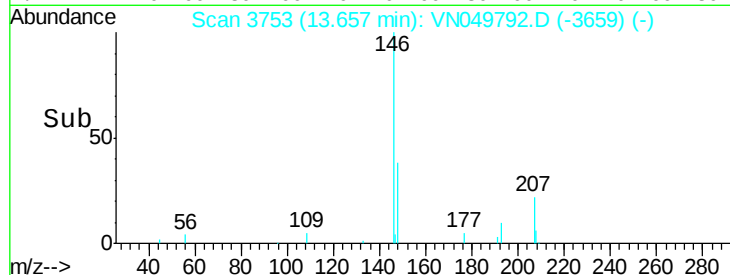
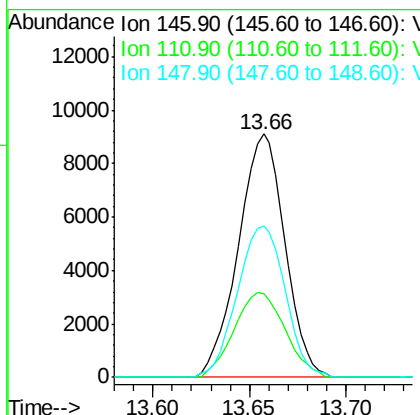
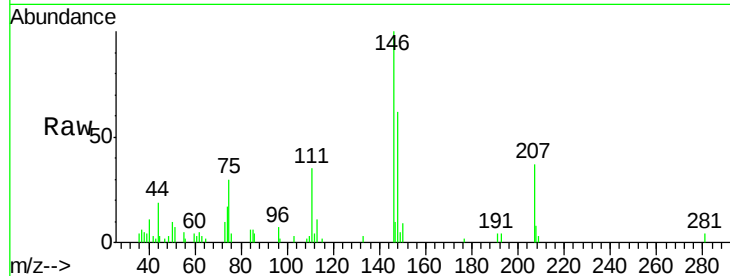




#91
 1,2-Dichlorobenzene
 Concen: 0.65 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

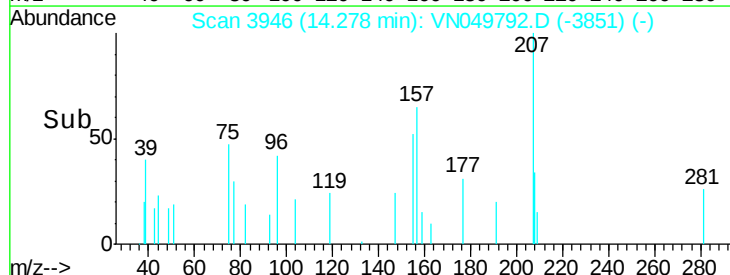
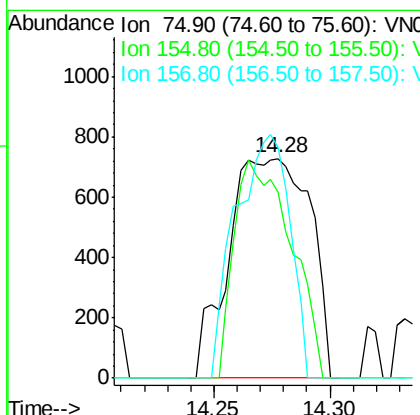
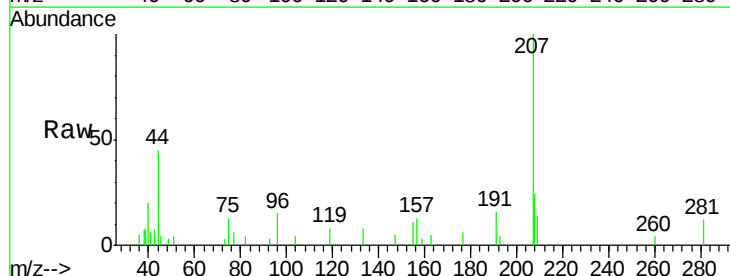
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

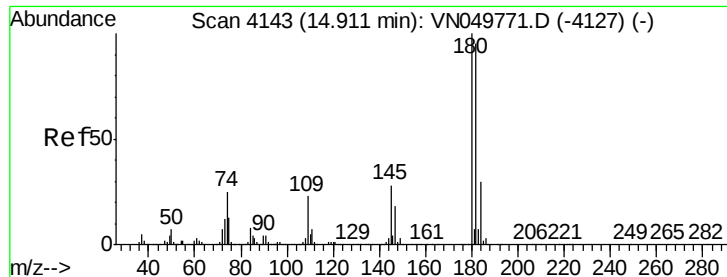
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.1
148	63.9	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.47 ug/l
 RT: 14.28 min Scan# 3946
 Delta R.T. 0.01 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.4	45.7	137.1
157	73.9	56.9	170.7

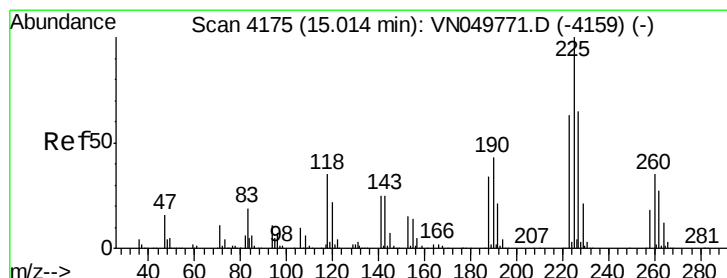
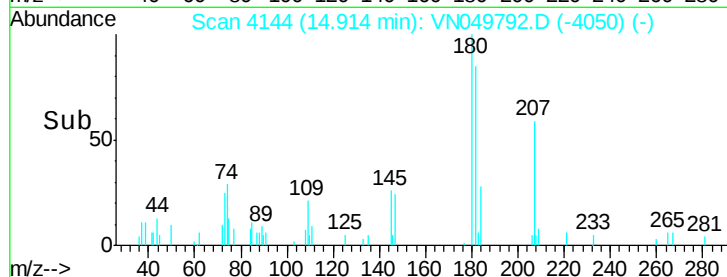
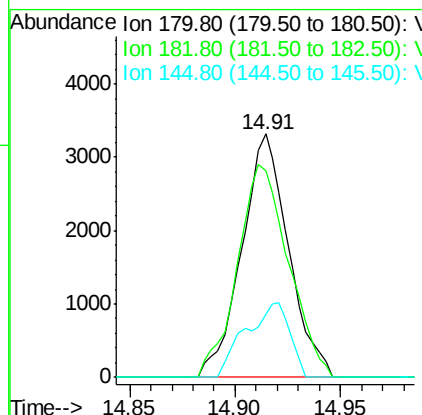
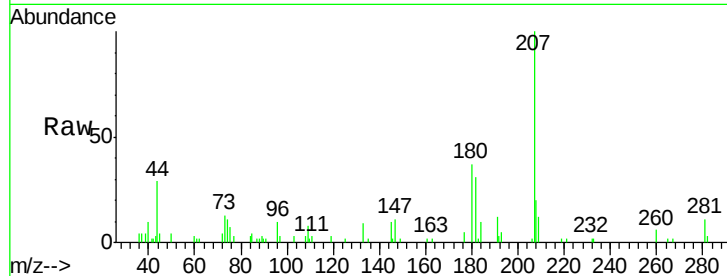




#93
 1,2,4-Trichlorobenzene
 Concen: 3.26 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

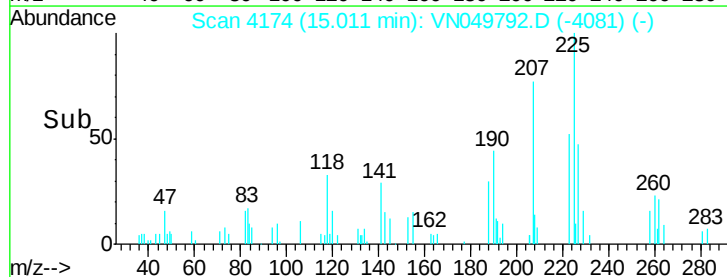
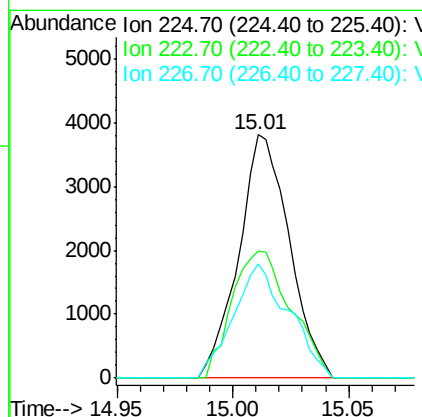
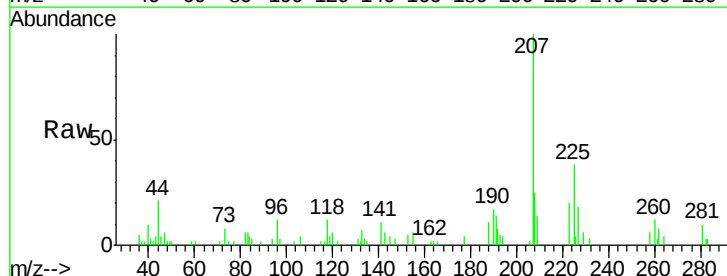
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

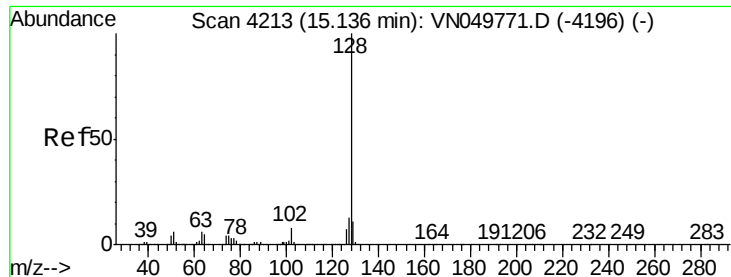
Tot Ion:180 Resp: 5112
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 141.9
 145 28.9 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049792.D
 Acq: 13 Jul 2018 13:06

Tgt Ion:225 Resp: 5796
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.9 92.7
 227 51.3 31.8 95.4





#95

Naphthalene

Concen: 4.34 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

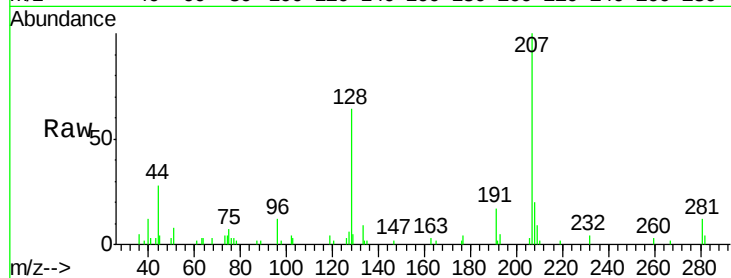
Tot Ion:128 Resp: 9534

Ion Ratio Lower Upper

128 100

127 10.7 10.4 15.6

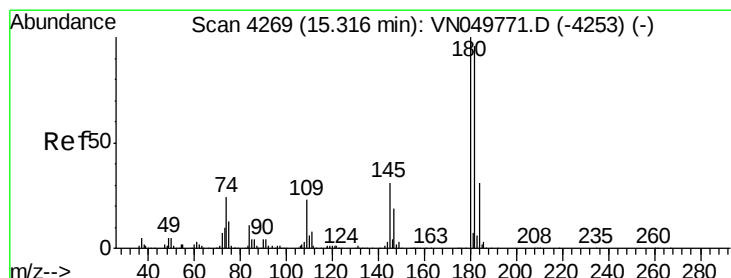
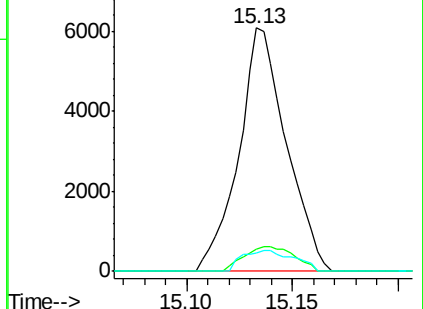
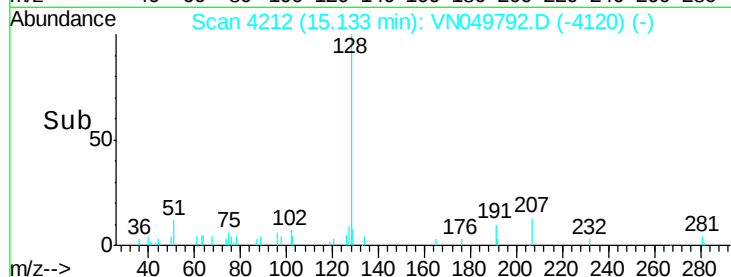
129 9.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.52 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049792.D

Acq: 13 Jul 2018 13:06

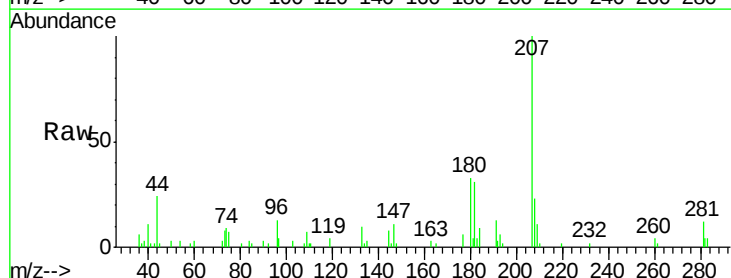
Tgt Ion:180 Resp: 5996

Ion Ratio Lower Upper

180 100

182 86.0 47.4 142.2

145 27.6 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

