

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046549.D
 Acq On : 24 Jan 2018 17:15
 Operator : MD\SY
 Sample : J1161-08 LOQ 10.0PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

Quant Time: Jan 25 03:11:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\624N012418W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 24 12:28:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	36295	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	229631	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	198995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	99681	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.41	95	105071	29.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.33%
63) Toluene-d8	10.09	98	291171	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	22176	9.40	ug/l	97
3) Chloromethane	2.06	50	40496	10.12	ug/l	99
4) Vinyl Chloride	2.18	62	35436	9.69	ug/l	100
5) Bromomethane	2.56	94	20256	10.31	ug/l	99
6) Chloroethane	2.70	64	20774	9.93	ug/l	97
7) Trichlorofluoromethane	3.02	101	35596	9.94	ug/l	97
8) Diethyl Ether	3.41	74	16876	9.76	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	23786	9.92	ug/l	98
10) 1,1-Dichloroethene	3.73	96	23879	9.87	ug/l	97
11) Methyl Iodide	3.95	142	12799	6.38	ug/l	97
12) Methyl Acetate	4.33	43	25502	9.26	ug/l	94
13) Acrolein	3.61	56	21120	62.37	ug/l	98
14) Acrylonitrile	4.99	53	54852	47.78	ug/l	98
15) Acetone	3.82	58	15915	45.99	ug/l	82
16) Carbon Disulfide	4.05	76	78006	9.66	ug/l	99
17) Allyl chloride	4.32	41	54425	9.64	ug/l	98
18) Methylene Chloride	4.55	84	28722	9.99	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	25338	10.03	ug/l	95
20) Diisopropyl ether	5.95	45	99848	9.59	ug/l	97
21) 1,1-Dichloroethane	5.85	63	55711	9.86	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	29175	9.92	ug/l	99
23) tert-Butyl Alcohol	4.80	59	14421	52.49	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	75720	9.58	ug/l	99
25) Chloroform	7.37	83	48664	9.83	ug/l	100
26) Cyclohexane	7.65	56	54311	10.00	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	40018	9.46	ug/l	99
30) 2-Butanone	6.84	43	71674	46.19	ug/l	100
31) 2,2-Dichloropropane	6.83	77	45105	9.55	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	39597	9.46	ug/l	99
33) Carbon Tetrachloride	7.77	117	30674	9.11	ug/l	99
34) Benzene	8.04	78	115773	9.56	ug/l #	87
35) Methacrylonitrile	7.17	41	16539	9.10	ug/l	99
36) 1,2-Dichloroethane	8.13	62	41350	9.64	ug/l	99
37) Trichloroethene	8.83	130	25732	9.44	ug/l	96
38) Methylcyclohexane	9.08	83	47345	9.32	ug/l	96
39) 1,2-Dichloropropane	9.12	63	33080	9.46	ug/l	100
40) Dibromomethane	9.21	93	16776	9.47	ug/l	99

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 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\624N012418W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 24 12:28:49 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	38508	9.52	ug/l	94
42) Vinyl Acetate	5.90	43	369995	45.97	ug/l	99
43) Ethyl Acetate	6.93	43	28824	9.36	ug/l	99
44) Isopropyl Acetate	8.17	43	51803	8.88	ug/l	99
45) 1,4-Dioxane	9.20	88	6028	194.73	ug/l	94
46) Methyl methacrylate	9.20	41	27451	9.48	ug/l	99
47) n-amyl Acetate	12.08	43	48980	9.08	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	39907	8.86	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	46632	9.05	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	23873	9.43	ug/l	99
51) Ethyl methacrylate	10.43	69	37951	9.31	ug/l	100
52) 1,3-Dichloropropane	10.71	76	44947	9.43	ug/l	99
53) Dibromochloromethane	10.90	129	23477	9.06	ug/l	100
54) 1,2-Dibromoethane	11.01	107	21598	9.48	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	89714	51.81	ug/l	99
56) Bromoform	12.13	173	14312	8.94	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	145895	47.68	ug/l	100
59) 2-Hexanone	10.76	43	103166	47.61	ug/l	100
61) Tetrachloroethene	10.63	164	22057	9.86	ug/l	99
62) Toluene	10.16	91	119069	9.78	ug/l	100
64) Chlorobenzene	11.44	112	68958	9.71	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	23057	9.65	ug/l	99
66) Ethyl Benzene	11.52	91	131411	9.84	ug/l	100
67) m/p-Xylenes	11.62	106	92916	19.35	ug/l	98
68) o-Xylene	11.95	106	45612	9.80	ug/l	99
69) Styrene	11.97	104	73598	9.56	ug/l	100
70) Isopropylbenzene	12.26	105	122920	9.93	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	31389	9.81	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	40391	15.33	ug/l	52
73) Bromobenzene	12.53	156	24852	9.55	ug/l	99
74) n-propylbenzene	12.60	91	152309	9.80	ug/l	100
75) 2-Chlorotoluene	12.68	91	88505	9.77	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	101907	9.72	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	9452	9.47	ug/l	94
78) 4-Chlorotoluene	12.78	91	88157	9.52	ug/l	99
79) tert-butylbenzene	13.00	119	86243	9.86	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	104840	9.89	ug/l #	82
81) sec-Butylbenzene	13.18	105	124347	9.82	ug/l	99
82) p-Isopropyltoluene	13.30	119	104726	9.88	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	45518	9.48	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	44406	9.41	ug/l	99
85) n-Butylbenzene	13.62	91	103532	9.68	ug/l	99
86) Hexachloroethane	13.88	117	18510	9.38	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	44482	9.63	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	5099	8.84	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	21325	7.84	ug/l	99
90) Hexachlorobutadiene	15.02	225	14234	9.79	ug/l	99
91) Naphthalene	15.14	128	48563	7.46	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	21023	8.05	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 24 12:28:49 2018
Response via : Initial Calibration

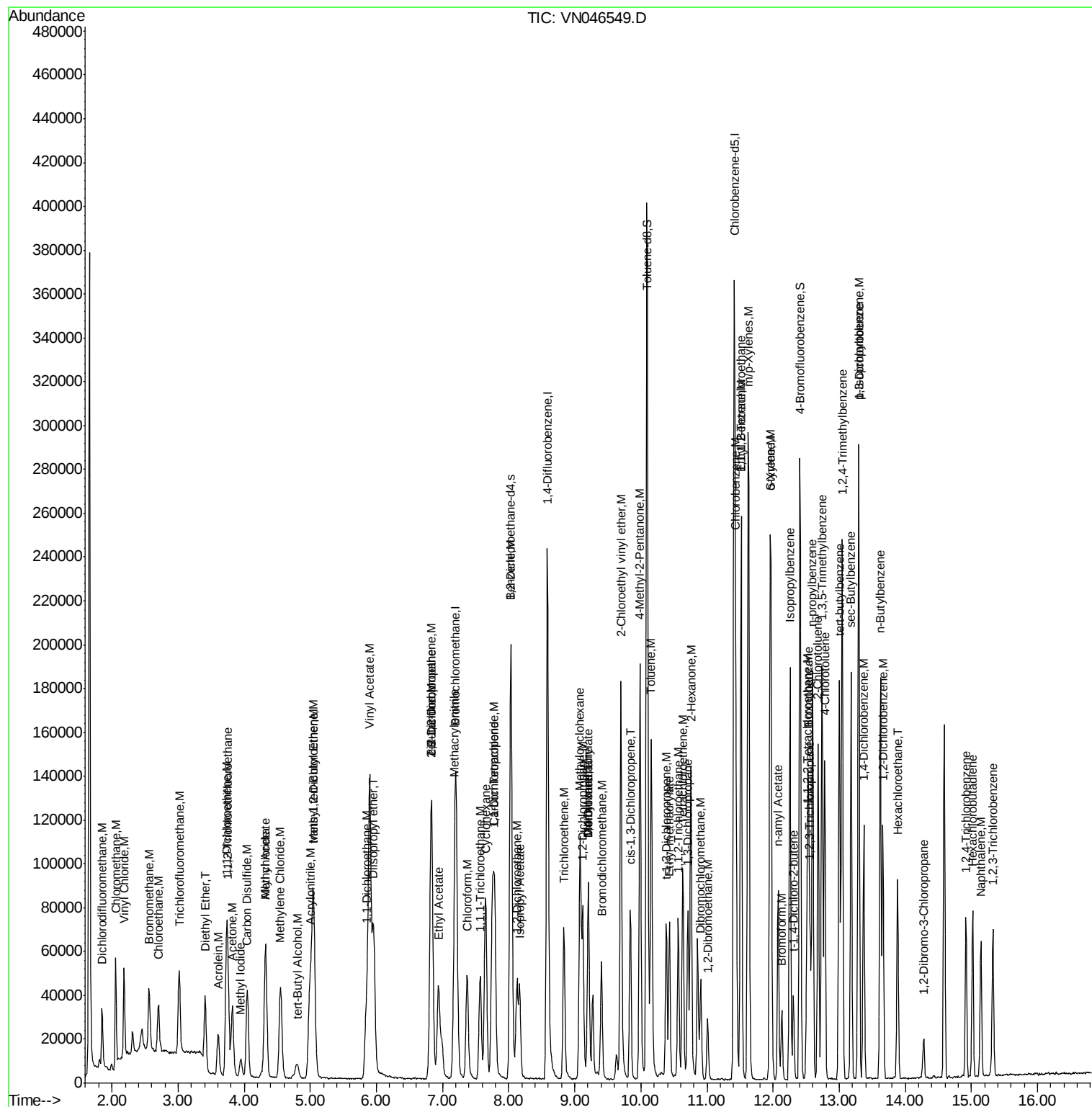
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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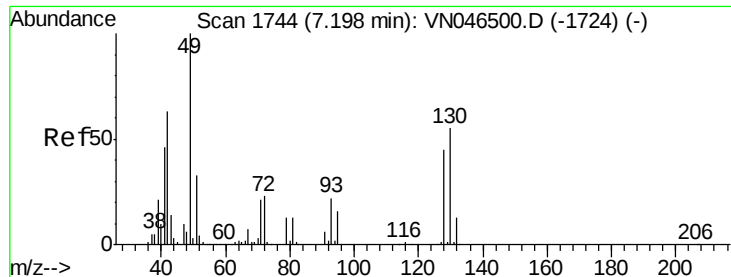
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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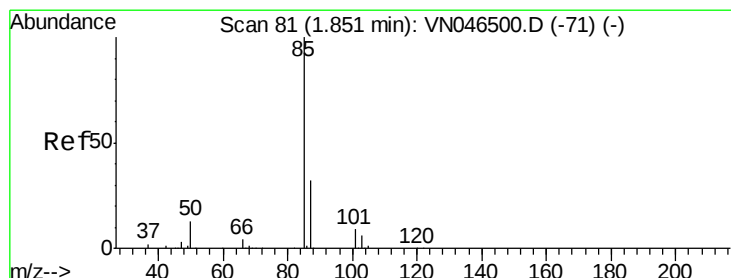
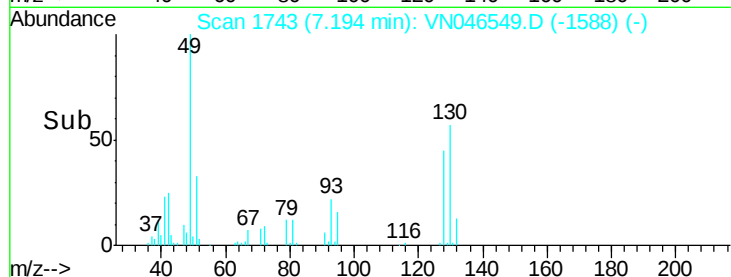
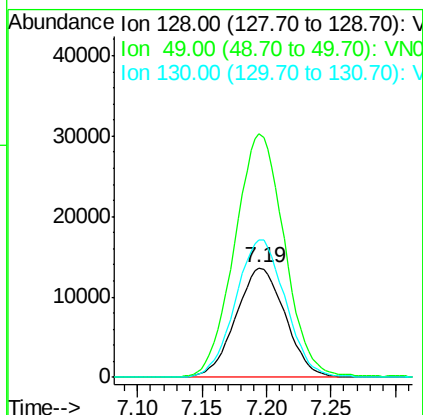
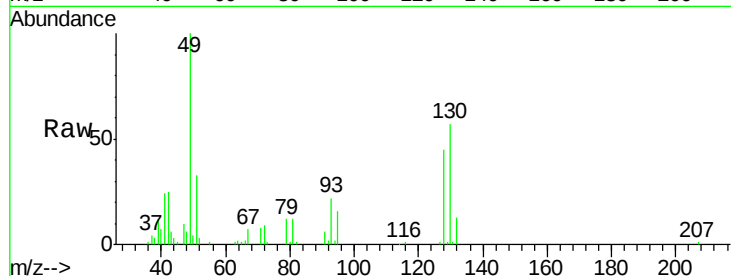




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

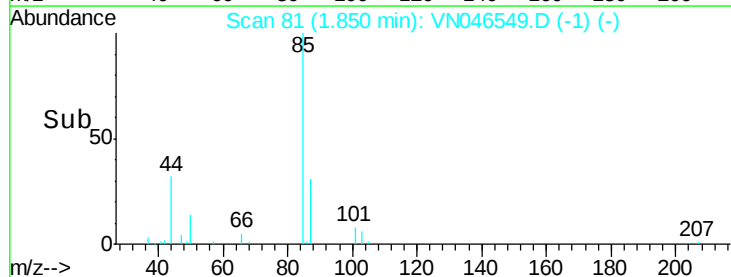
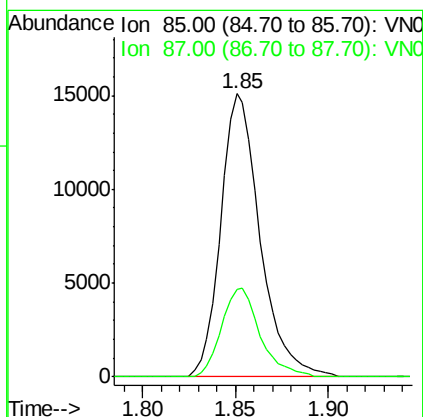
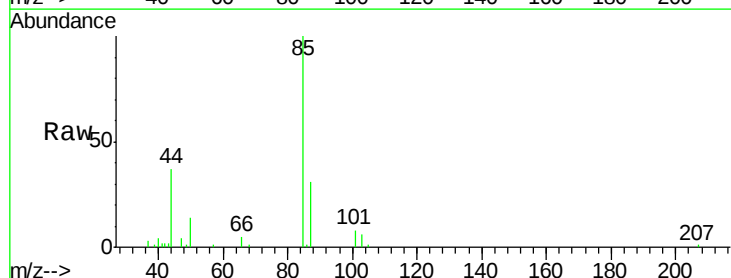
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

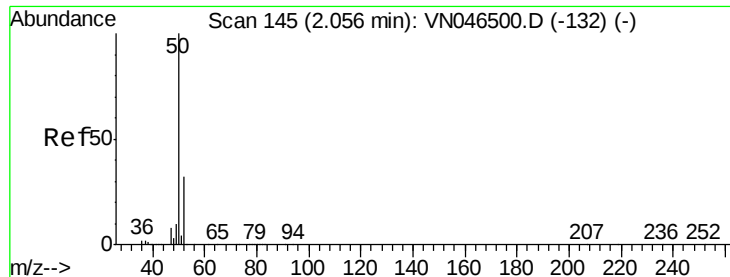
Tgt Ion:128 Resp: 36295
 Ion Ratio Lower Upper
 128 100
 49 224.9 0.0 566.8
 130 127.2 0.0 323.3



#2
 Dichlorodifluoromethane
 Concen: 9.40 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 85 Resp: 22176
 Ion Ratio Lower Upper
 85 100
 87 31.0 16.3 48.8





#3

Chloromethane

Concen: 10.12 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

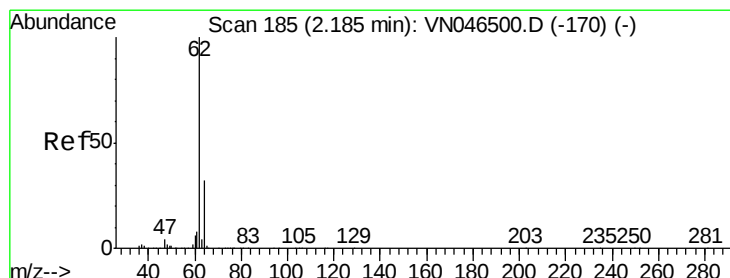
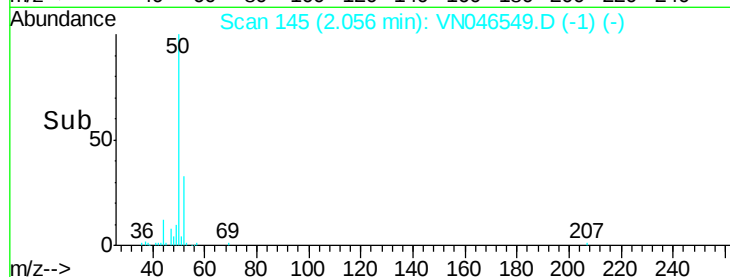
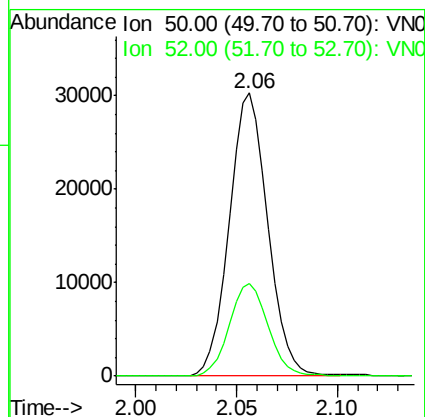
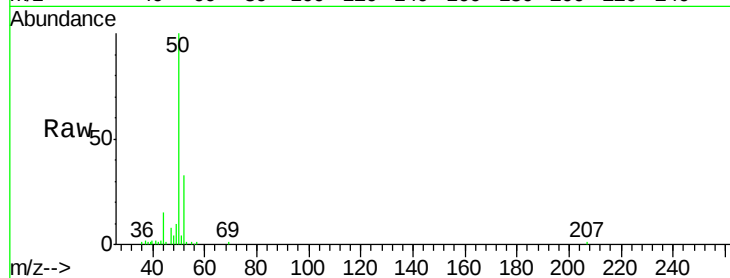
LOQ-WATER-02-QT1-2018

Tgt Ion: 50 Resp: 40496

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.6



#4

Vinyl Chloride

Concen: 9.69 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN046549.D

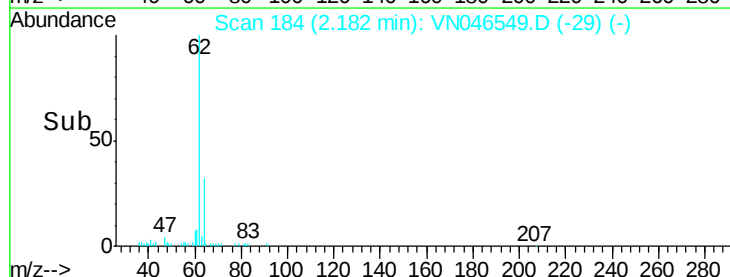
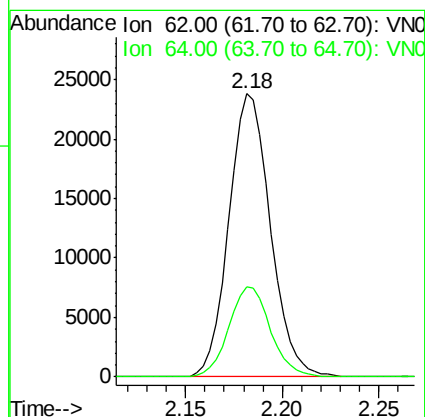
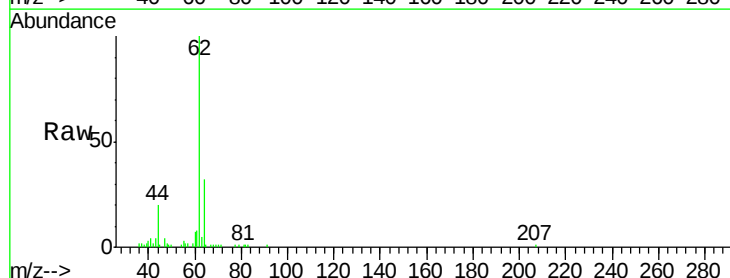
Acq: 24 Jan 2018 17:15

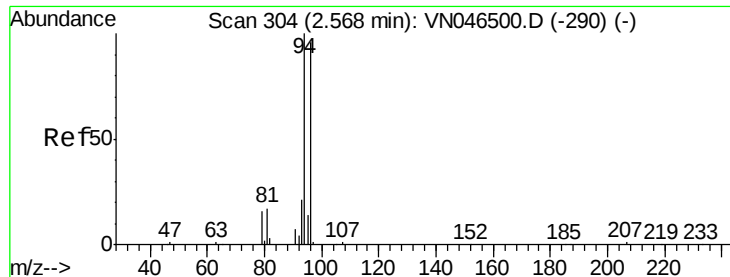
Tgt Ion: 62 Resp: 35436

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 10.31 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.01 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

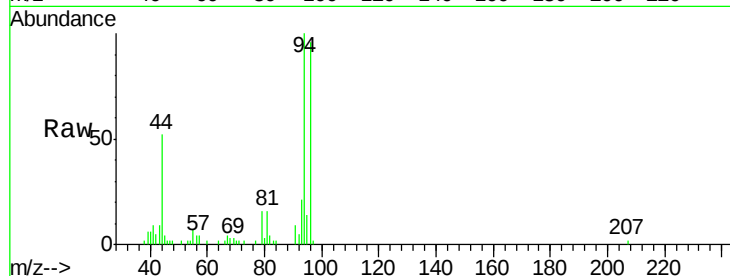
LOQ-WATER-02-QT1-2018

Tgt Ion: 94 Resp: 20256

Ion Ratio Lower Upper

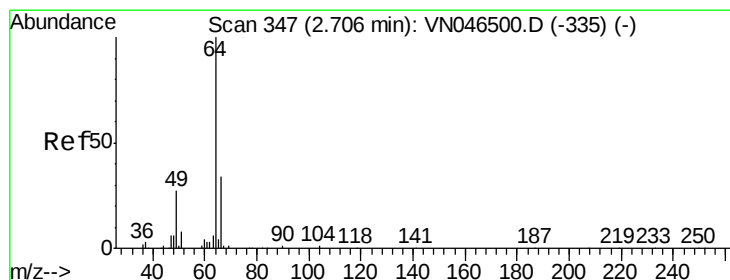
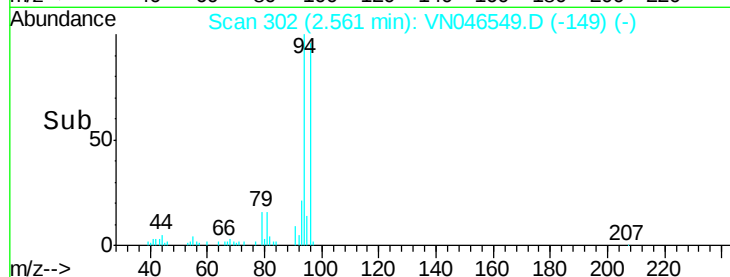
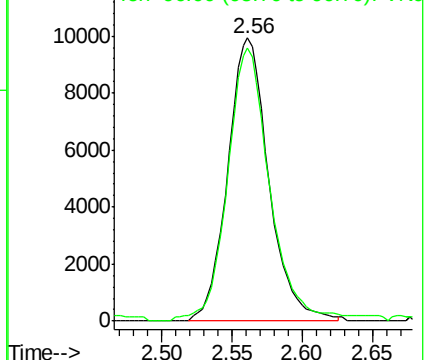
94 100

96 94.3 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 9.93 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN046549.D

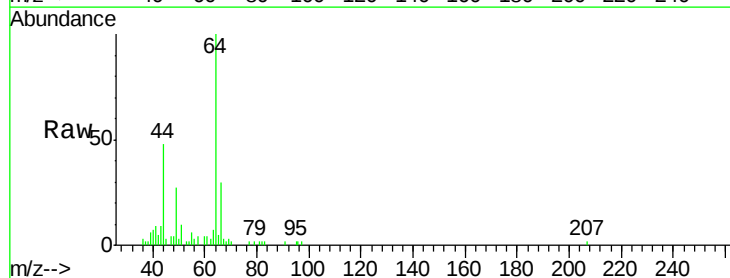
Acq: 24 Jan 2018 17:15

Tgt Ion: 64 Resp: 20774

Ion Ratio Lower Upper

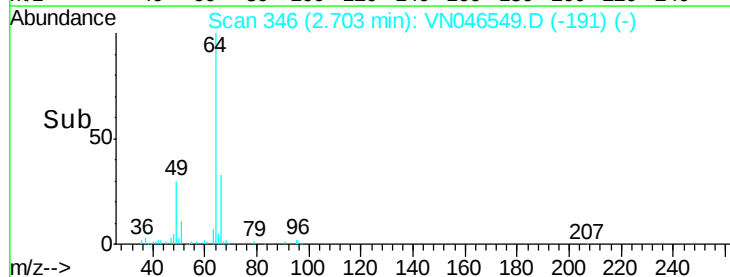
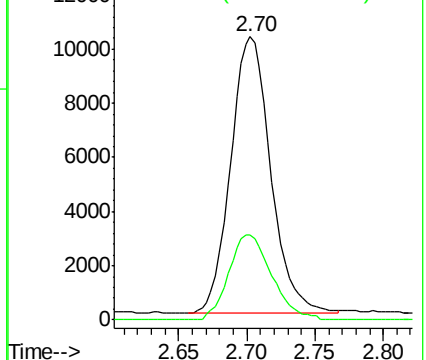
64 100

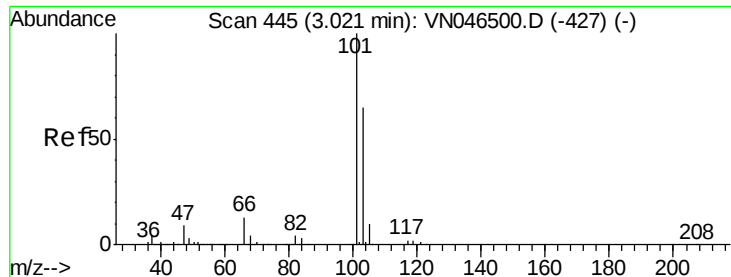
66 30.8 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 9.94 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN046549.D

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Instrument :

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ClientSampleId :

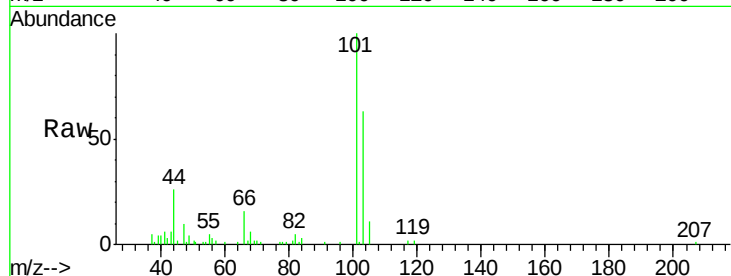
LOQ-WATER-02-QT1-2018

Tgt Ion:101 Resp: 35596

Ion Ratio Lower Upper

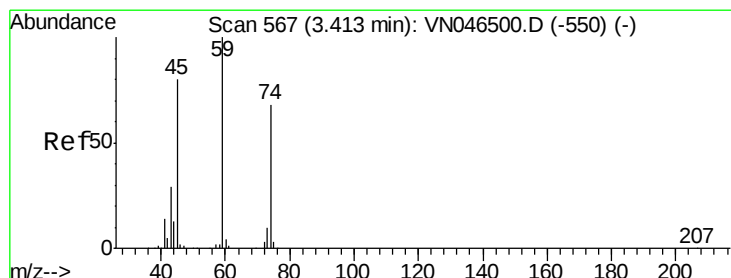
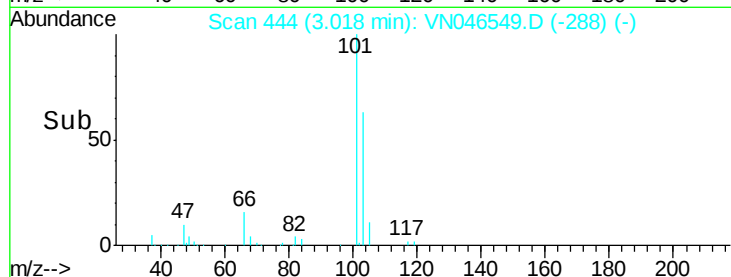
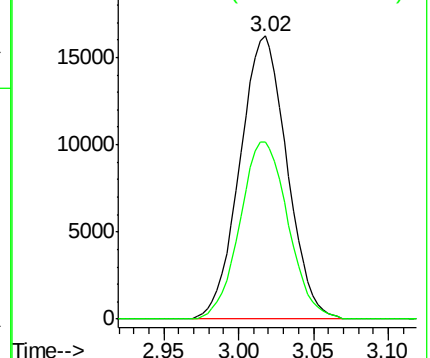
101 100

103 62.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.76 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN046549.D

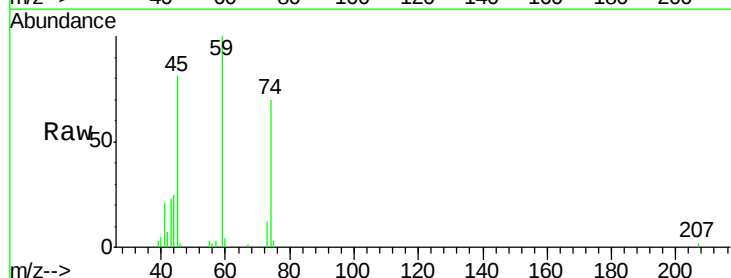
Acq: 24 Jan 2018 17:15

Tgt Ion: 74 Resp: 16876

Ion Ratio Lower Upper

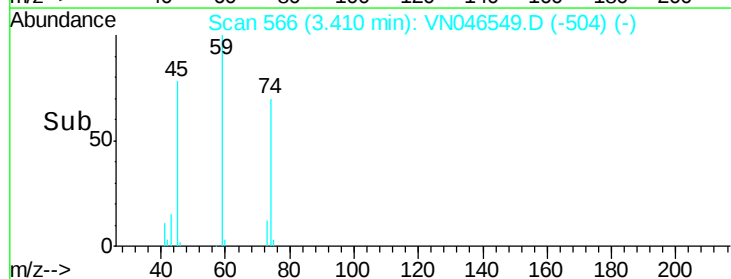
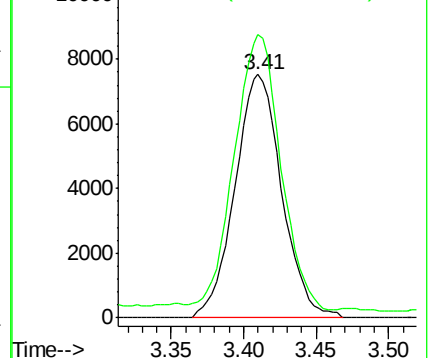
74 100

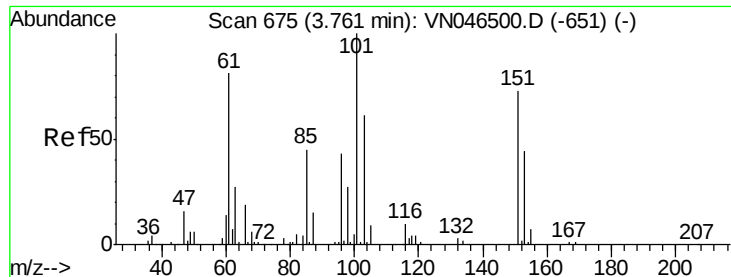
45 111.8 22.0 197.6



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: 9.92 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

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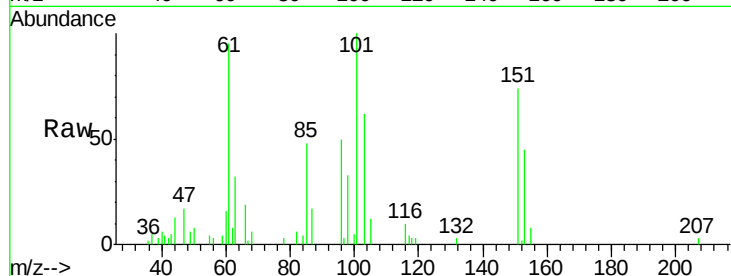
Tgt Ion: 101 Resp: 23786

Ion Ratio Lower Upper

101 100

85 46.6 0.0 90.8

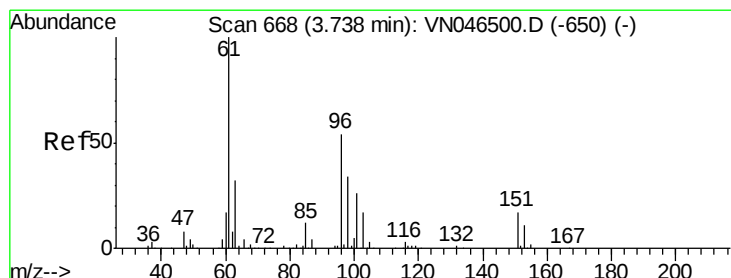
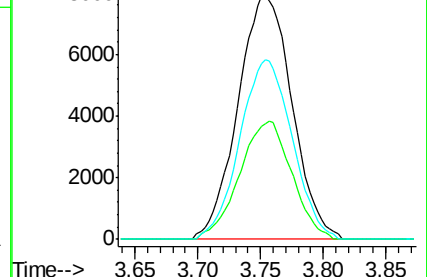
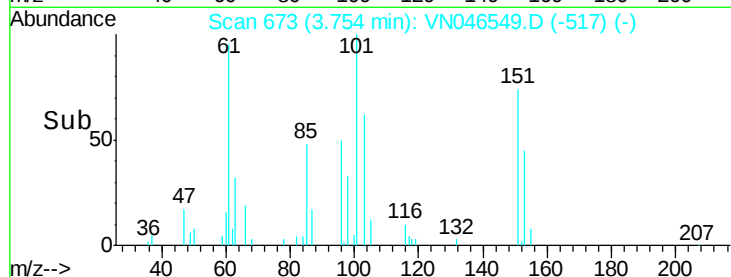
151 71.2 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 9.87 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

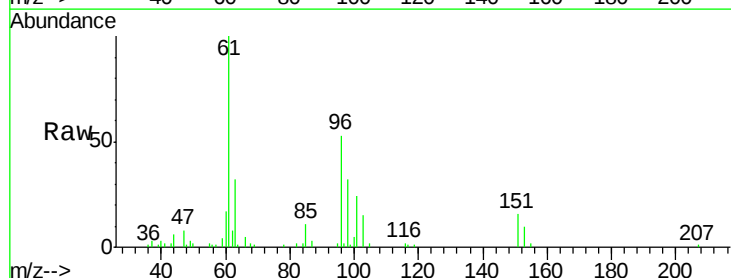
Tgt Ion: 96 Resp: 23879

Ion Ratio Lower Upper

96 100

61 187.3 152.4 228.6

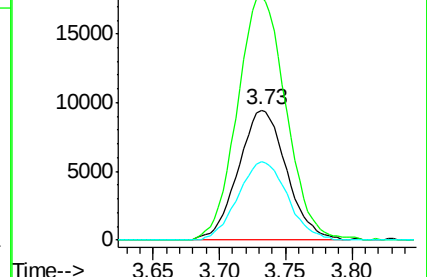
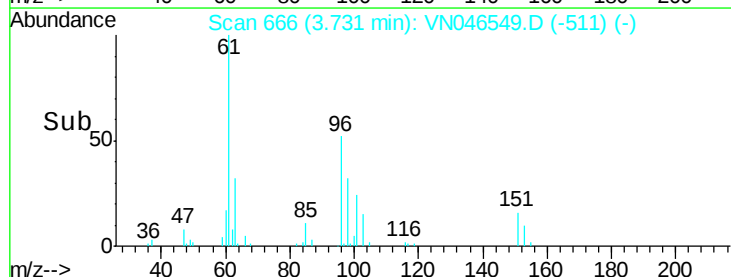
98 60.1 51.3 76.9

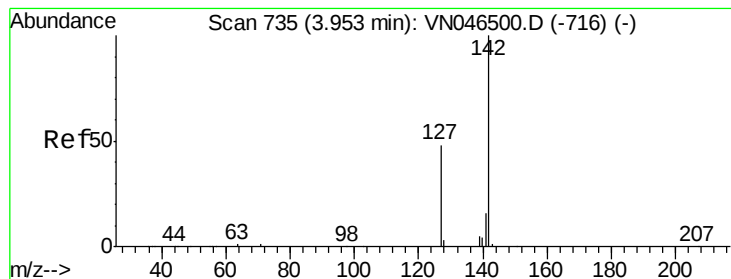


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V





#11

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

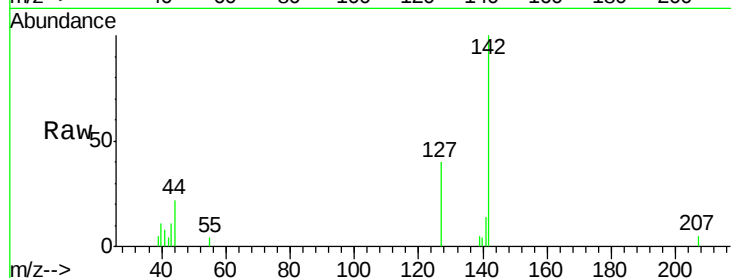
Tgt Ion:142 Resp: 12799

Ion Ratio Lower Upper

142 100

127 39.7 21.1 63.3

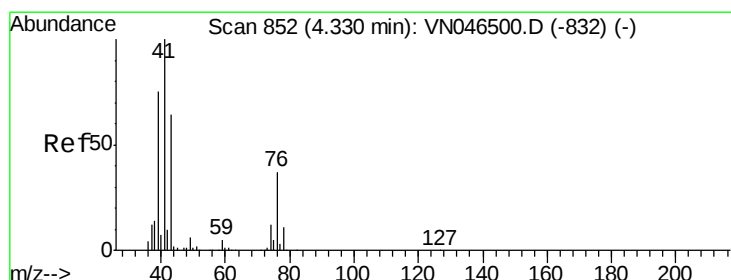
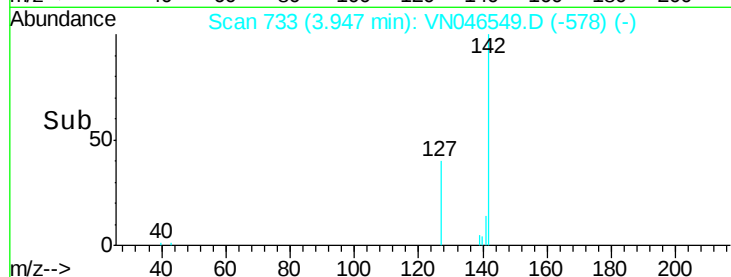
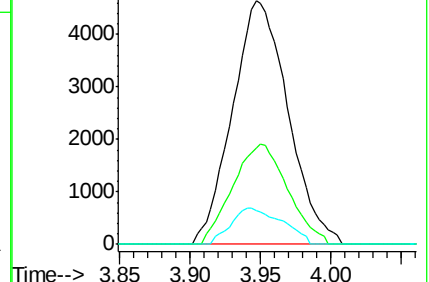
141 13.9 7.3 21.9



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 9.26 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN046549.D

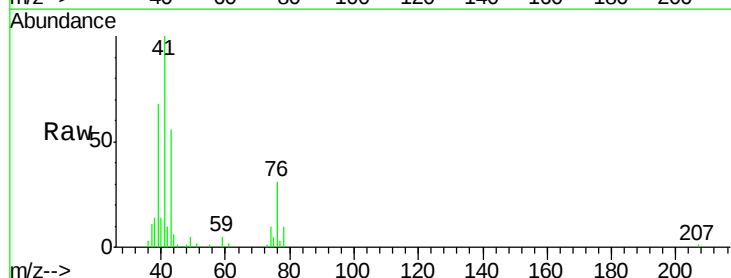
Acq: 24 Jan 2018 17:15

Tgt Ion: 43 Resp: 25502

Ion Ratio Lower Upper

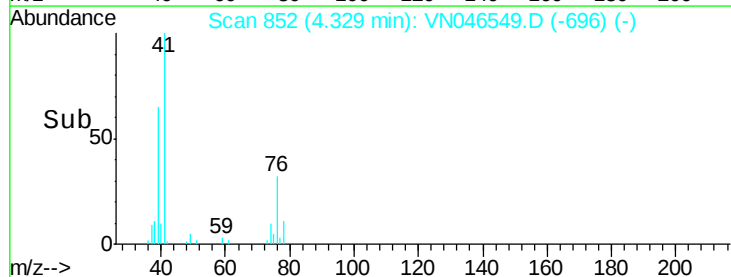
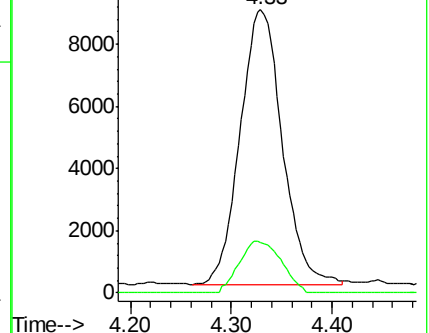
43 100

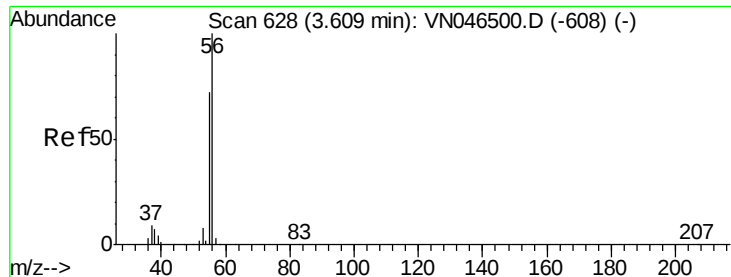
74 18.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 62.37 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

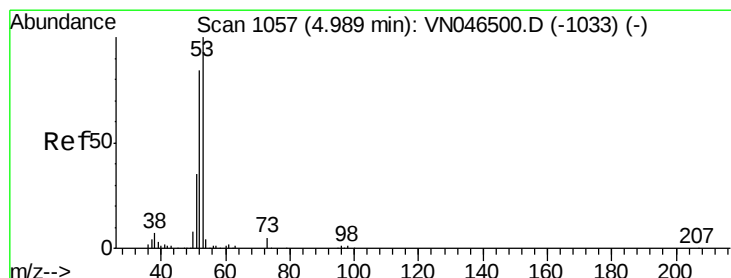
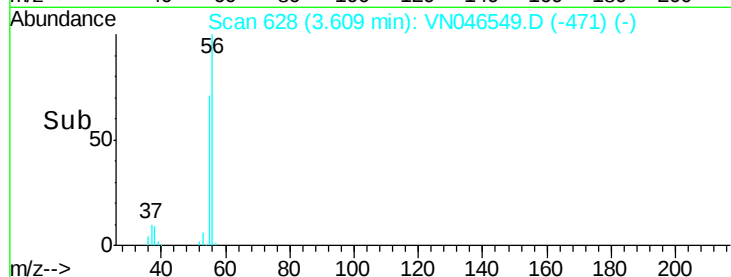
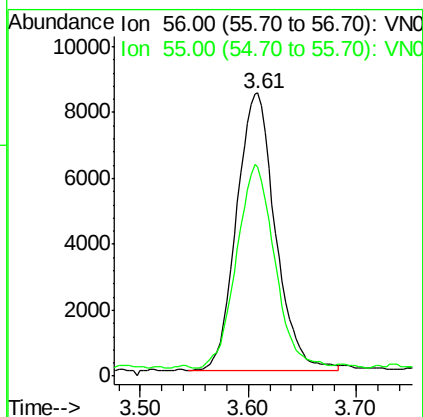
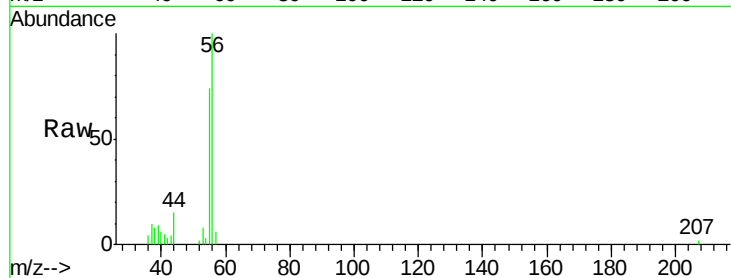
LOQ-WATER-02-QT1-2018

Tgt Ion: 56 Resp: 21120

Ion Ratio Lower Upper

56 100

55 72.1 58.9 88.3



#14

Acrylonitrile

Concen: 47.78 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

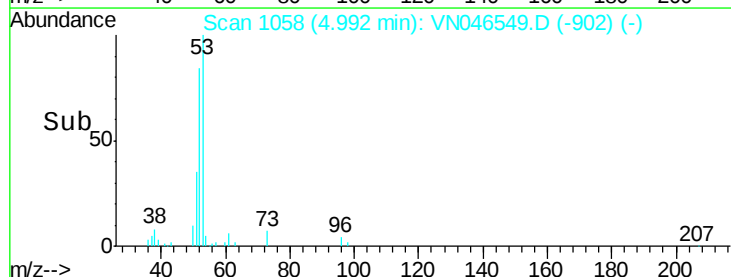
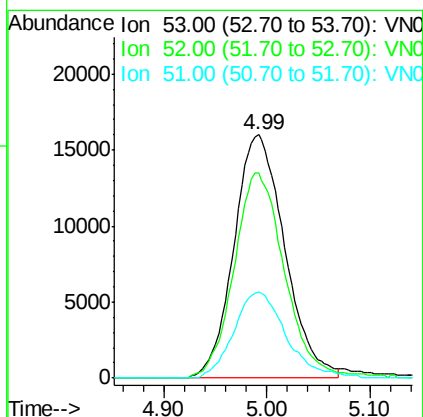
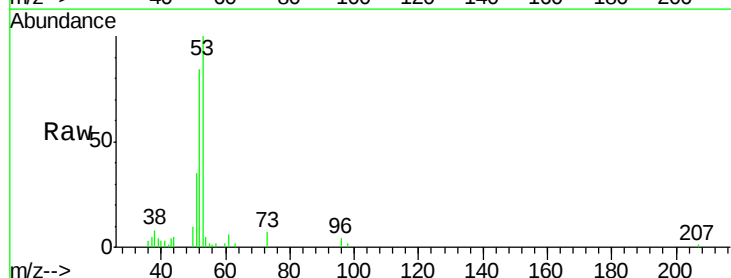
Tgt Ion: 53 Resp: 54852

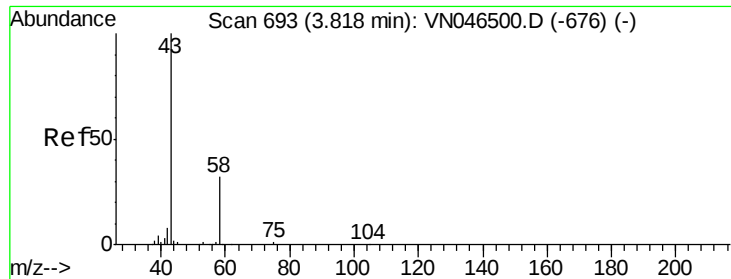
Ion Ratio Lower Upper

53 100

52 83.8 40.9 122.7

51 36.4 18.1 54.1





#15

Acetone

Concen: 45.99 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

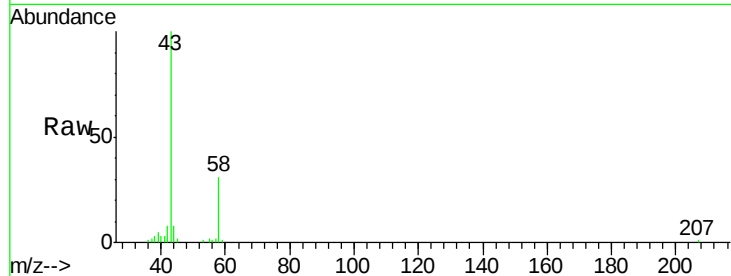
LOQ-WATER-02-QT1-2018

Tgt Ion: 58 Resp: 15915

Ion Ratio Lower Upper

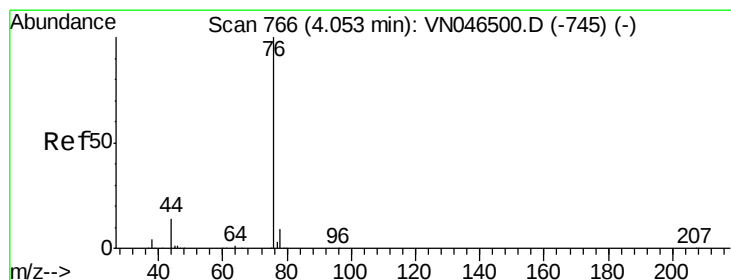
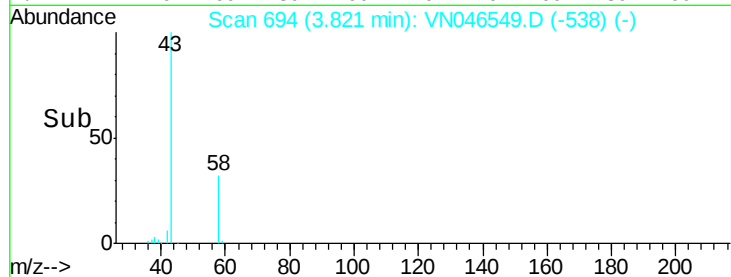
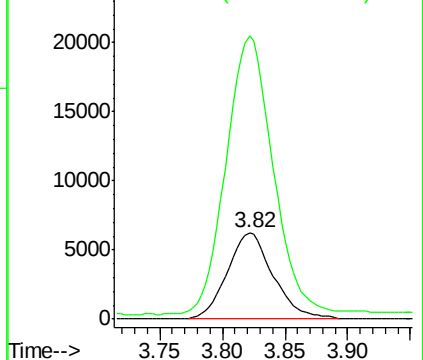
58 100

43 317.8 285.3 427.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 9.66 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN046549.D

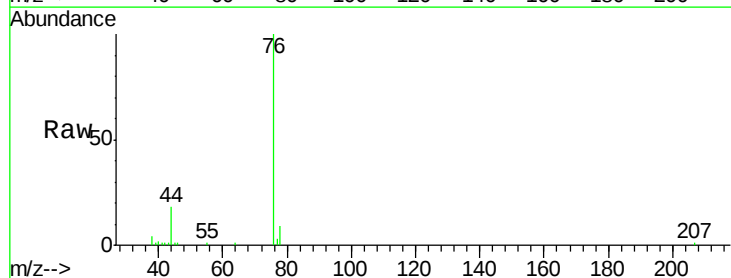
Acq: 24 Jan 2018 17:15

Tgt Ion: 76 Resp: 78006

Ion Ratio Lower Upper

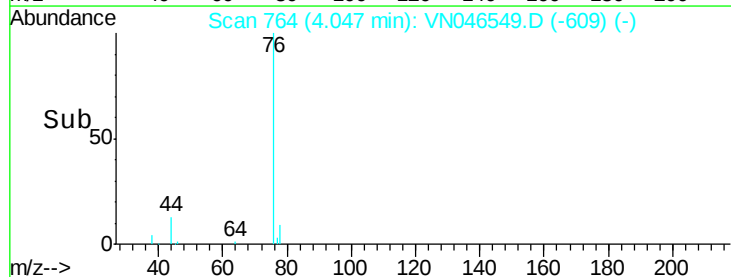
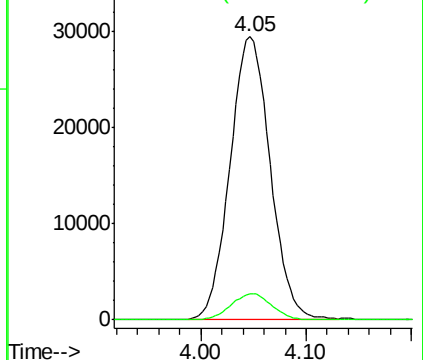
76 100

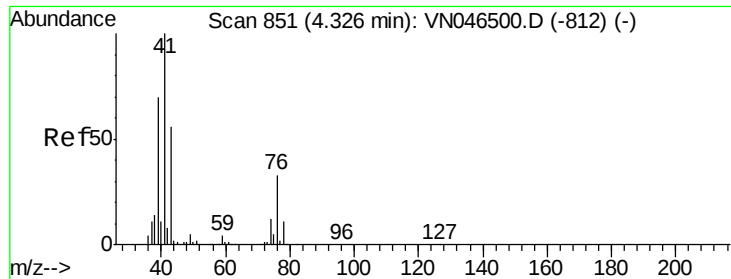
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

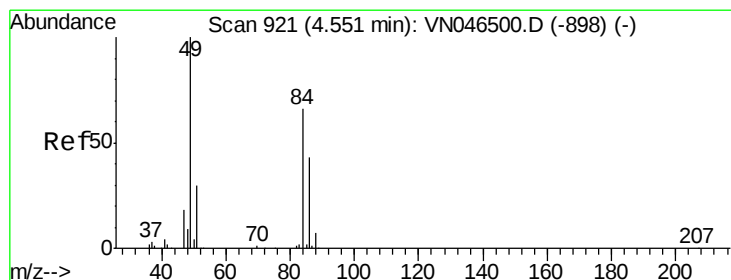
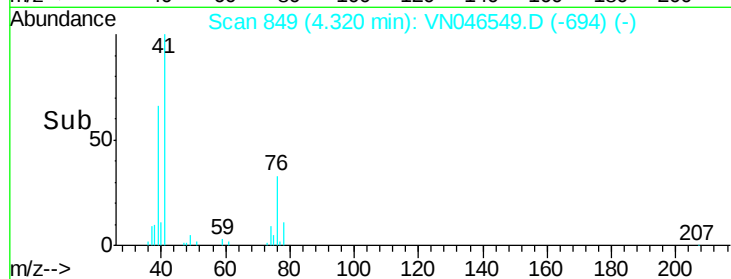
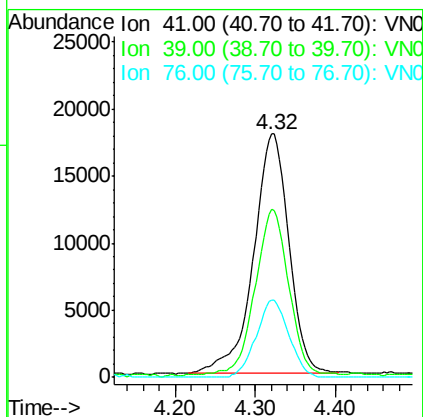
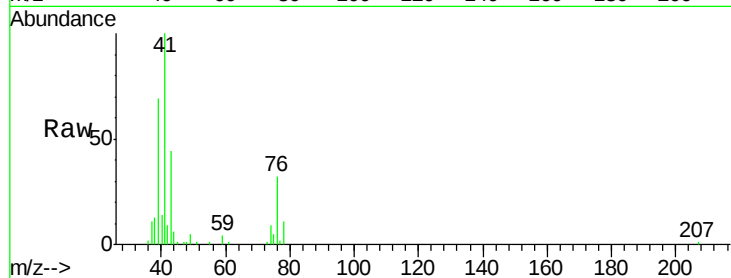




#17
 Allyl chloride
 Concen: 9.64 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

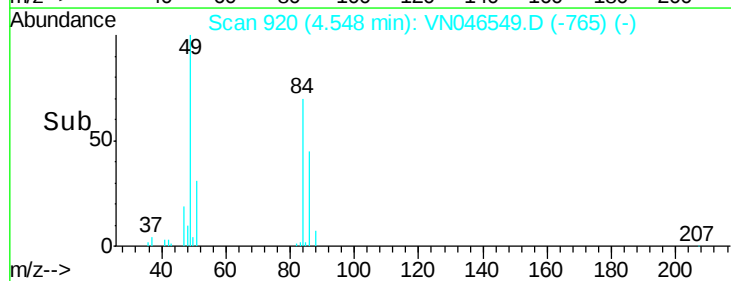
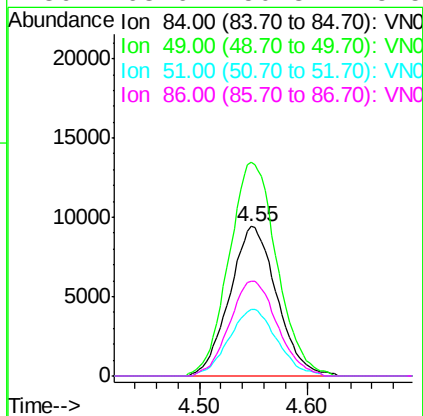
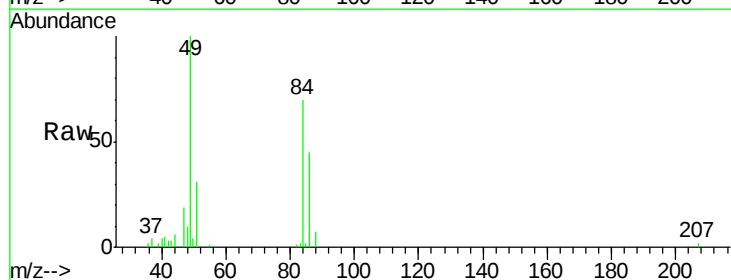
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

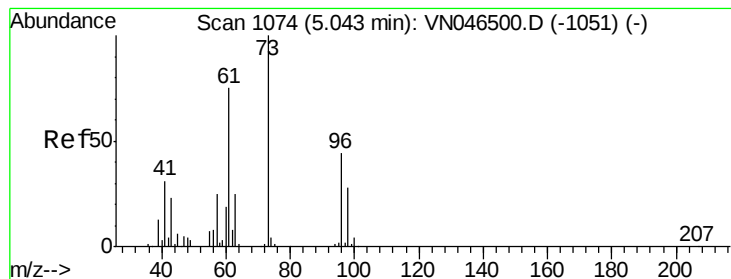
Tgt Ion:	41	Resp:	54425
Ion	Ratio	Lower	Upper
41	100		
39	69.1	33.5	100.4
76	32.4	15.9	47.7



#18
 Methylene Chloride
 Concen: 9.99 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion:	84	Resp:	28722
Ion	Ratio	Lower	Upper
84	100		
49	142.8	113.9	170.9
51	44.7	36.3	54.5
86	63.6	50.3	75.5





#19

trans-1,2-Dichloroethene

Concen: 10.03 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

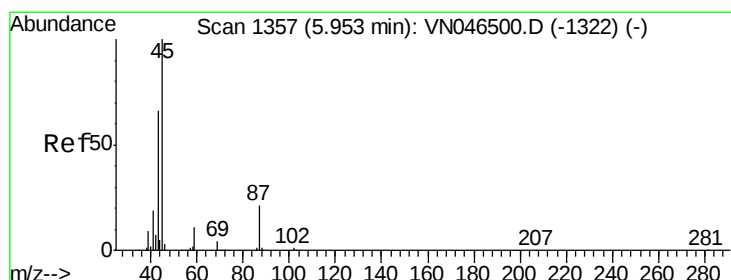
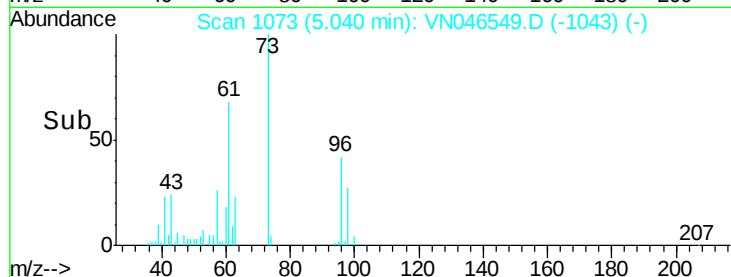
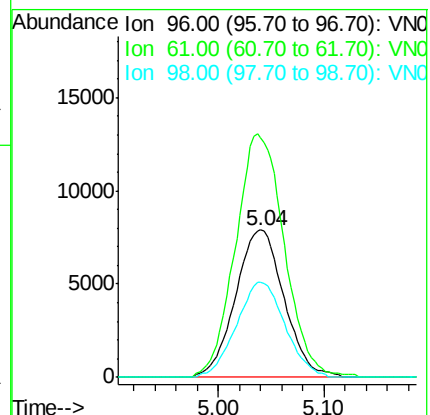
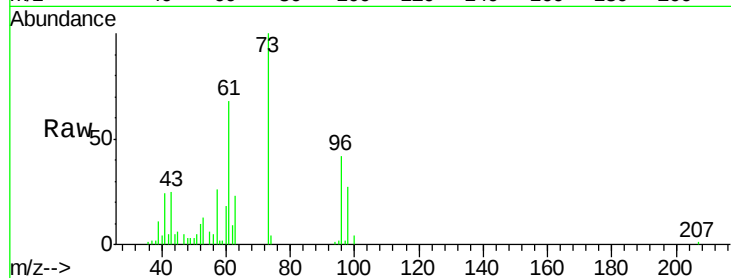
Tgt Ion: 96 Resp: 25338

Ion Ratio Lower Upper

96 100

61 162.8 137.3 205.9

98 64.4 52.3 78.5



#20

Diisopropyl ether

Concen: 9.59 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Tgt Ion: 45 Resp: 99848

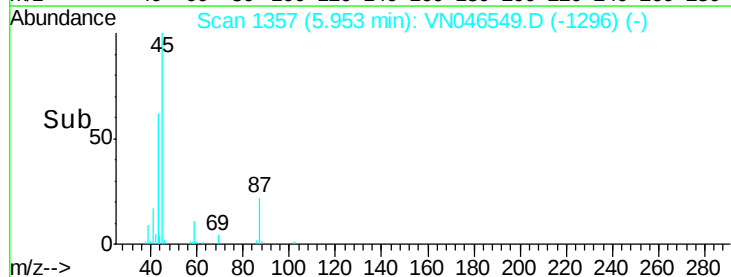
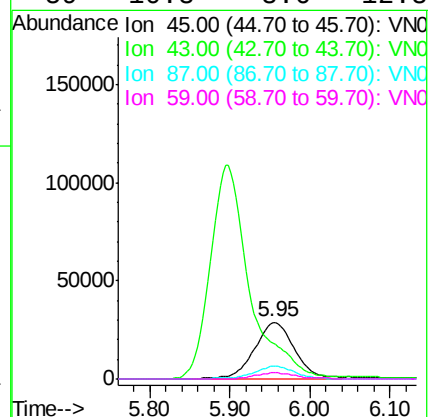
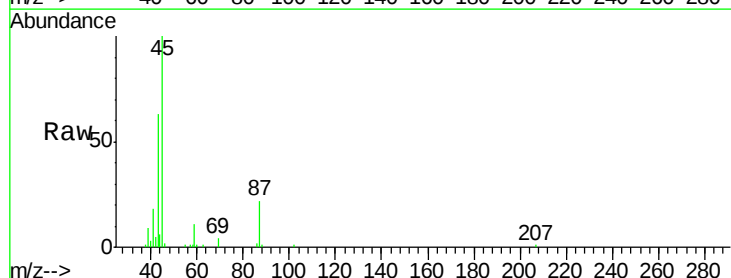
Ion Ratio Lower Upper

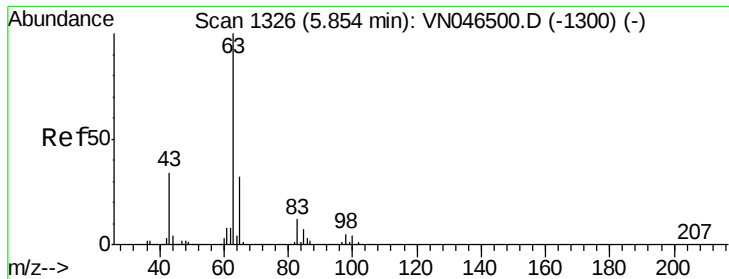
45 100

43 58.8 45.1 67.7

87 21.6 16.6 24.8

59 10.8 8.6 12.8

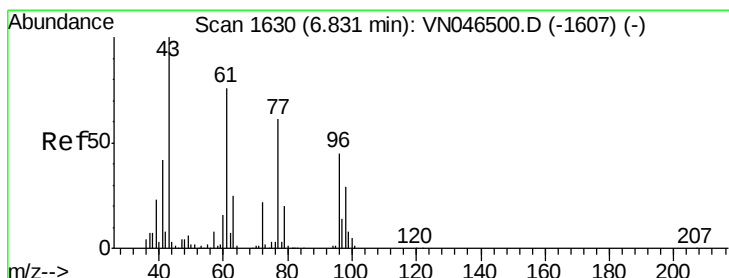
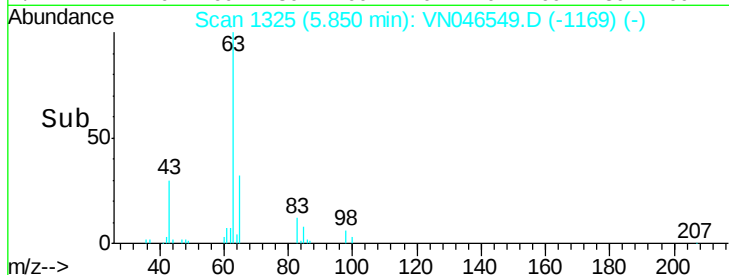
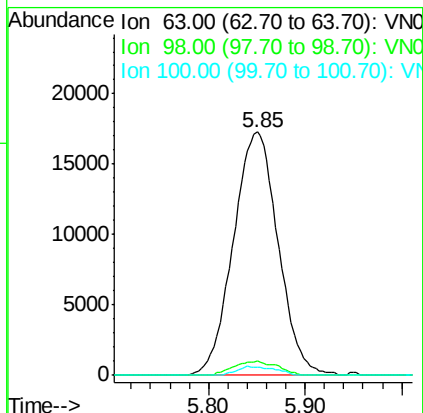
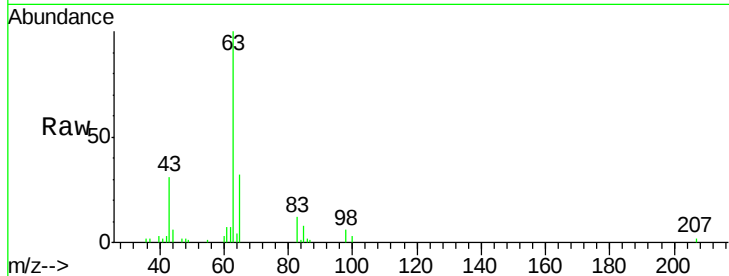




#21
 1,1-Dichloroethane
 Concen: 9.86 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

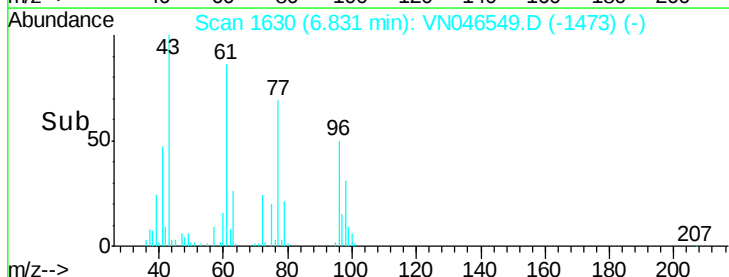
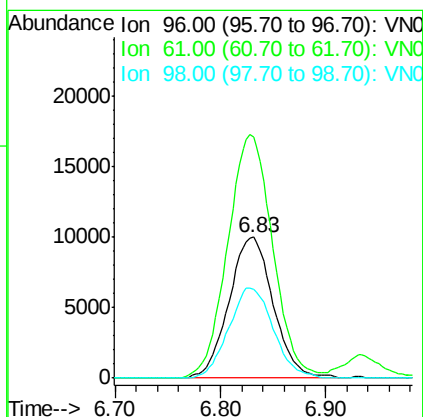
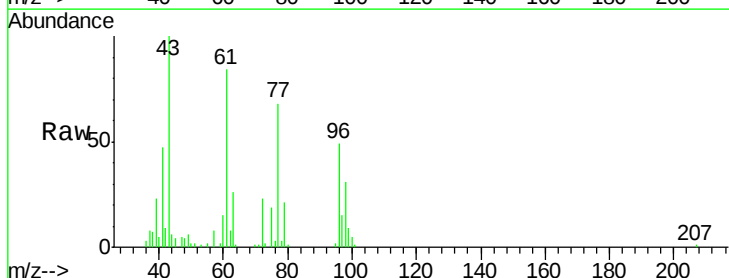
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

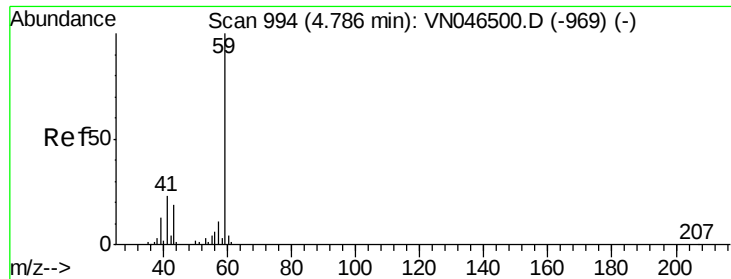
Tgt Ion: 63 Resp: 55711
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.3 9.9
 100 3.3 1.7 5.0



#22
 cis-1,2-Dichloroethene
 Concen: 9.92 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 96 Resp: 29175
 Ion Ratio Lower Upper
 96 100
 61 175.2 141.3 211.9
 98 64.5 51.0 76.6





#23

tert-Butyl Alcohol

Concen: 52.49 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

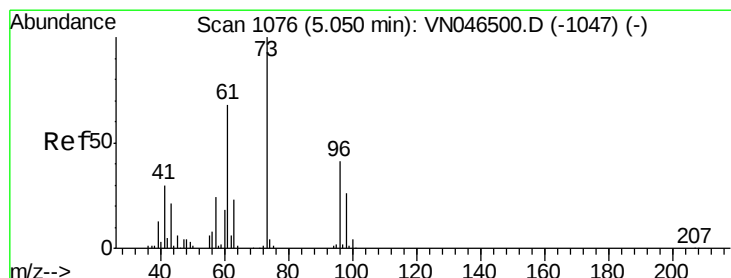
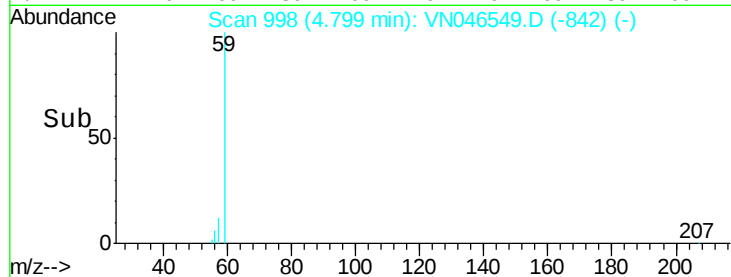
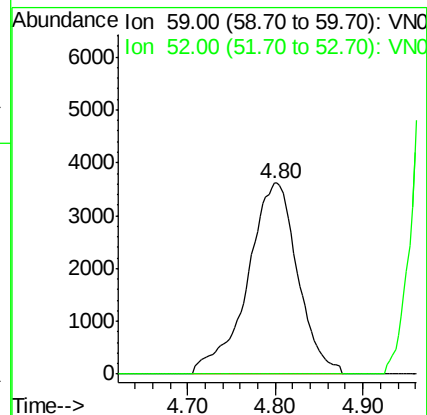
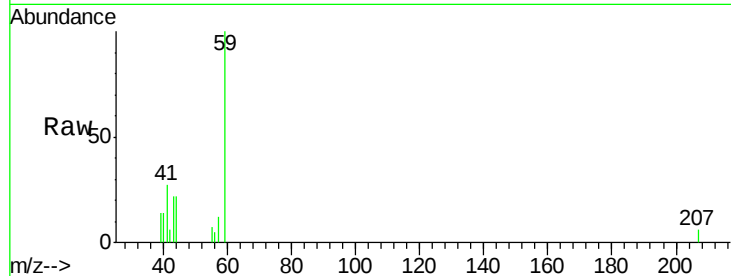
LOQ-WATER-02-QT1-2018

Tgt Ion: 59 Resp: 14421

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 9.58 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN046549.D

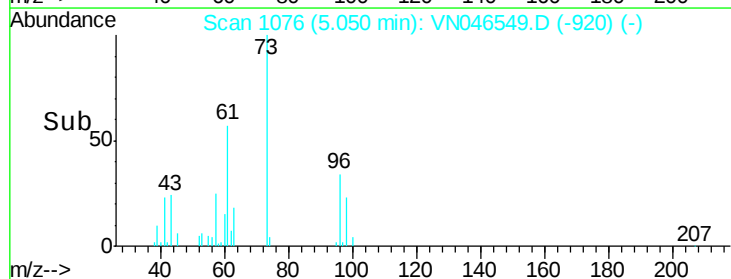
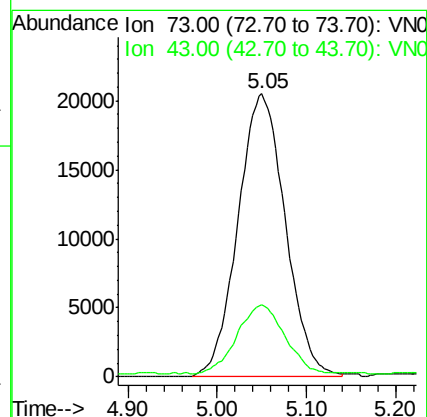
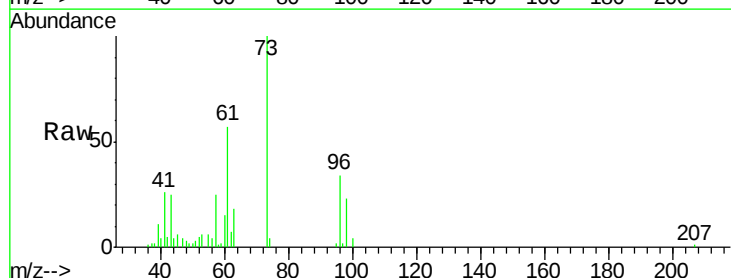
Acq: 24 Jan 2018 17:15

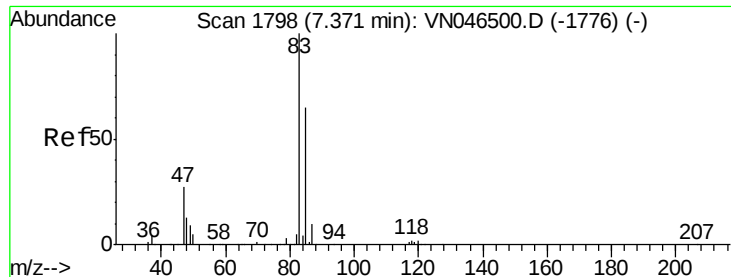
Tgt Ion: 73 Resp: 75720

Ion Ratio Lower Upper

73 100

43 24.3 19.0 28.6





#25

Chloroform

Concen: 9.83 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

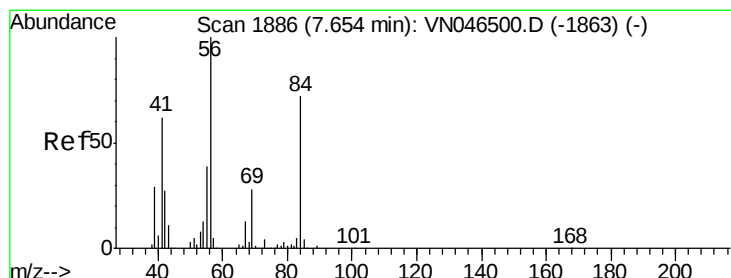
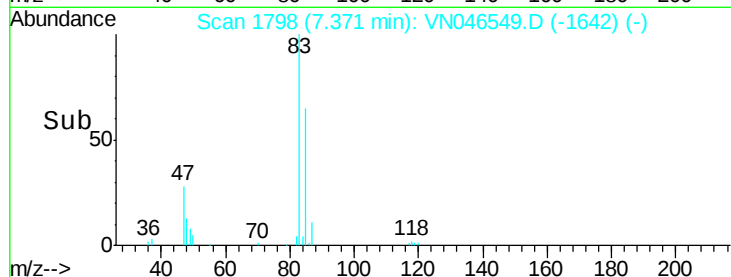
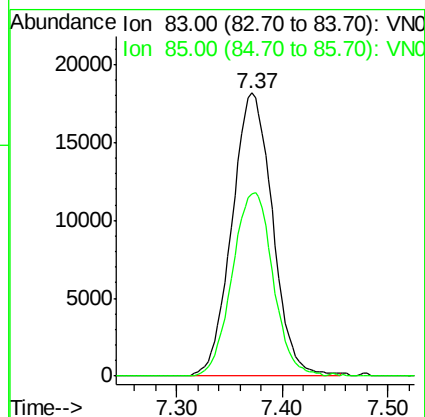
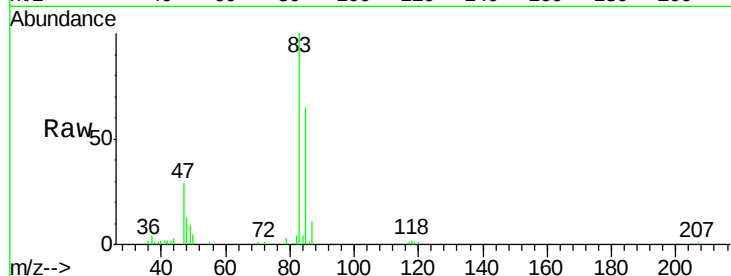
LOQ-WATER-02-QT1-2018

Tgt Ion: 83 Resp: 48664

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.0



#26

Cyclohexane

Concen: 10.00 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

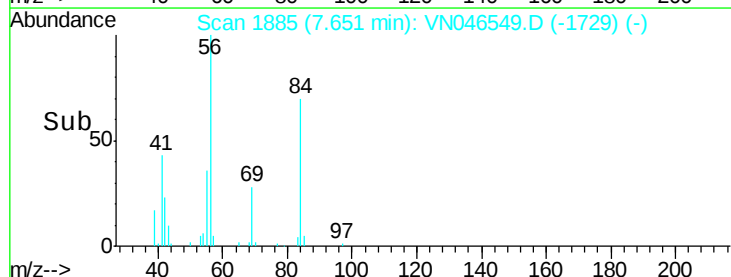
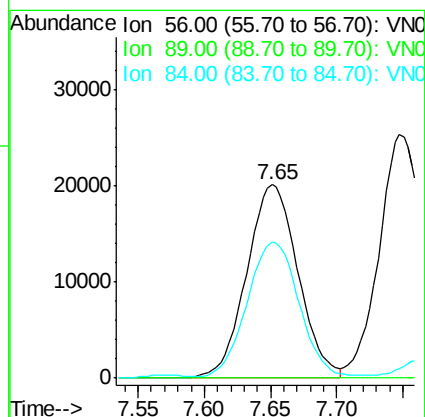
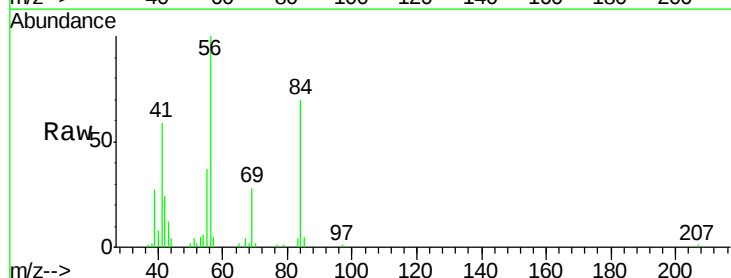
Tgt Ion: 56 Resp: 54311

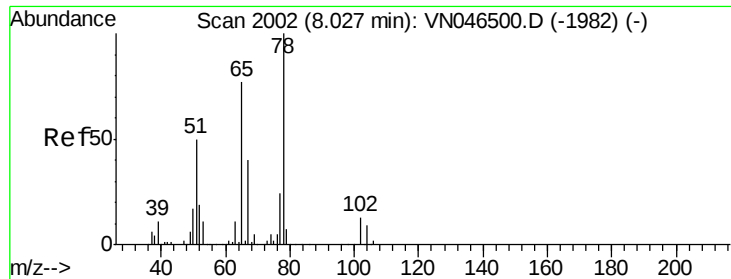
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 70.1 56.8 85.2

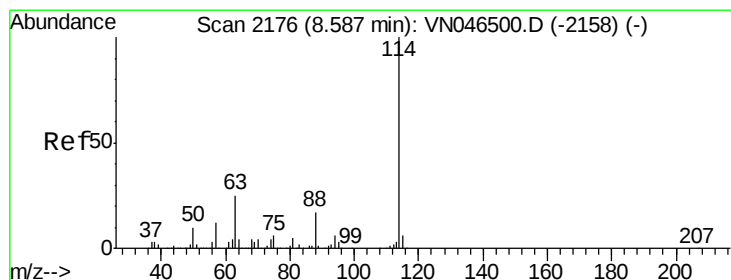
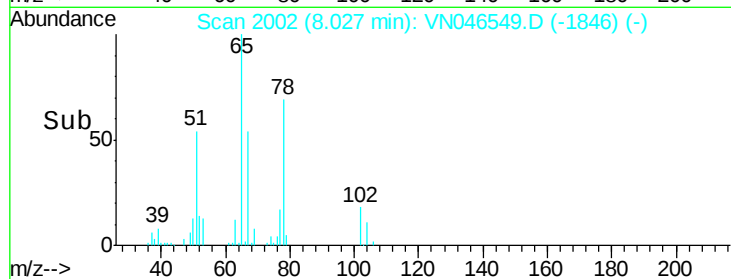
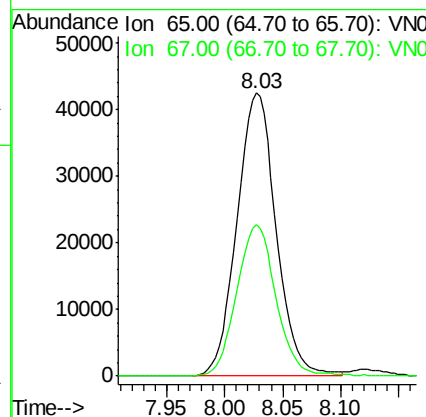
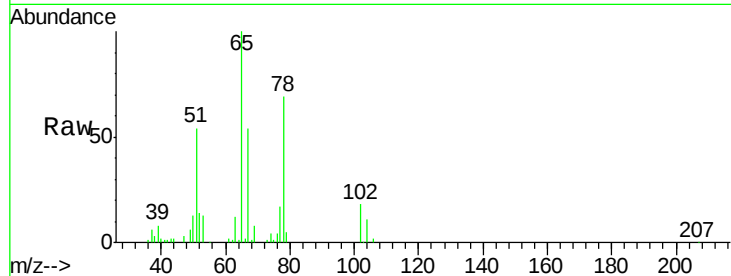




#27
 1,2-Dichloroethane-d4
 Concen: 30.30 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

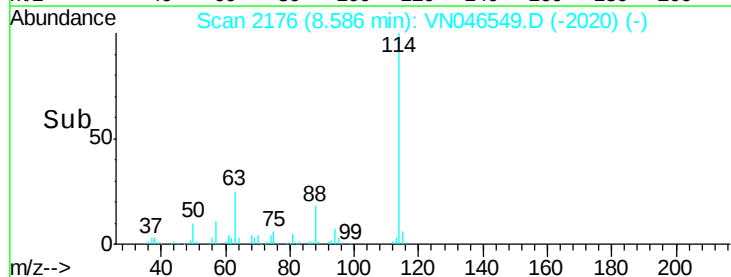
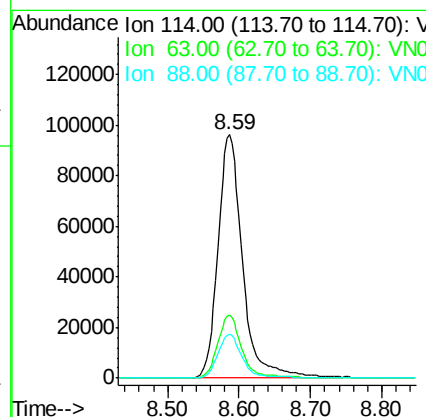
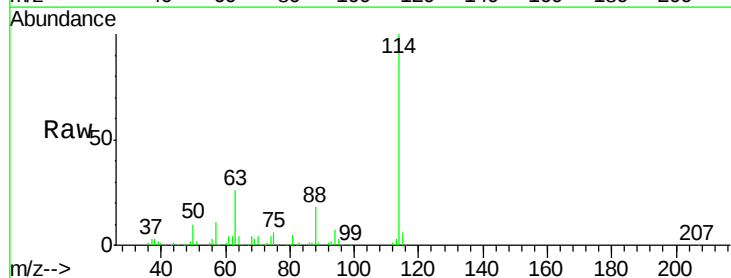
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

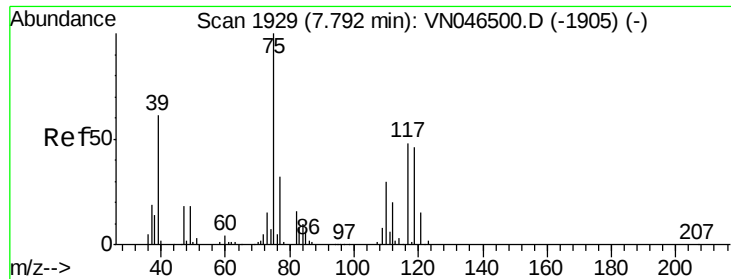
Tgt Ion: 65 Resp: 99681
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 114 Resp: 229631
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.2 30.4
 88 17.5 14.2 21.2

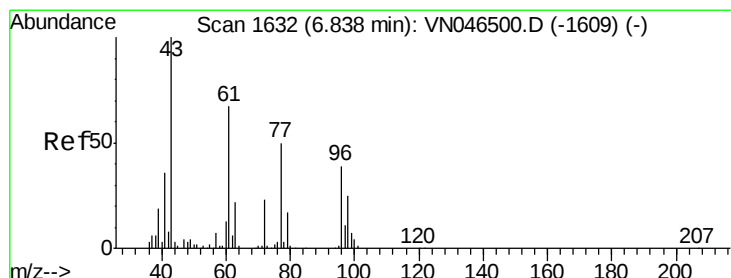
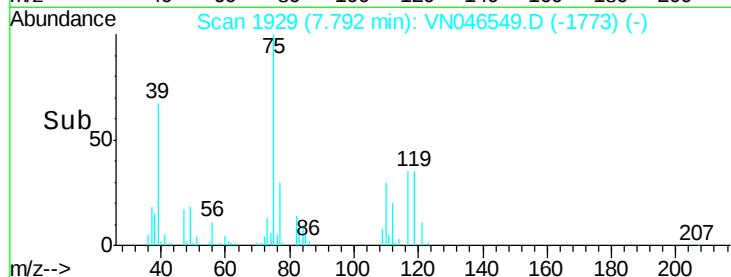
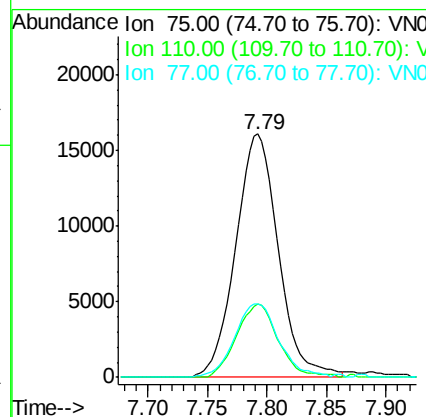
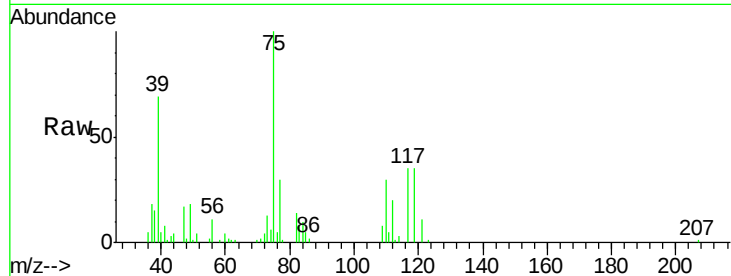




#29
 1,1-Dichloropropene
 Concen: 9.46 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

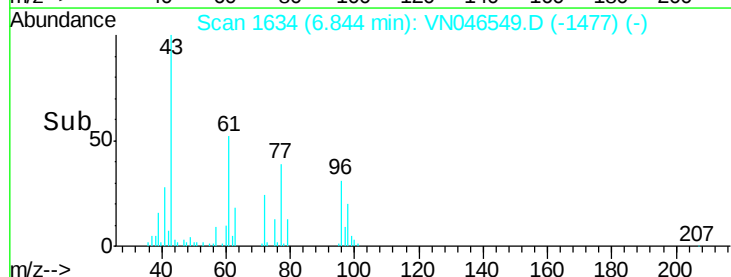
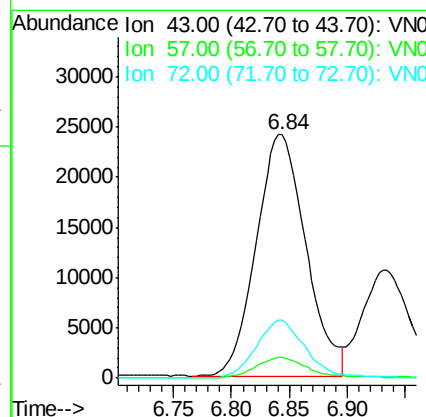
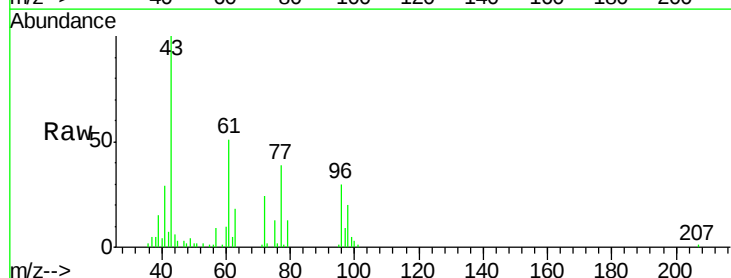
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

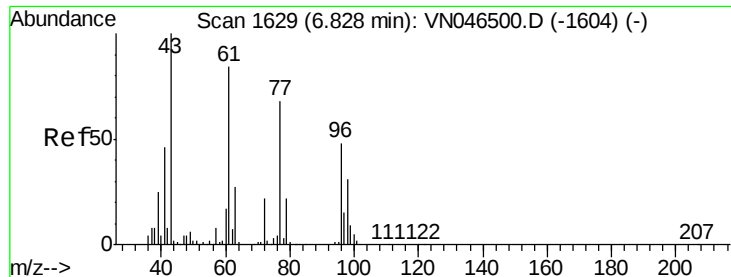
Tgt Ion: 75 Resp: 40018
 Ion Ratio Lower Upper
 75 100
 110 29.5 0.0 61.0
 77 31.2 0.0 63.2



#30
 2-Butanone
 Concen: 46.19 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 43 Resp: 71674
 Ion Ratio Lower Upper
 43 100
 57 8.9 6.8 10.2
 72 23.7 18.9 28.3

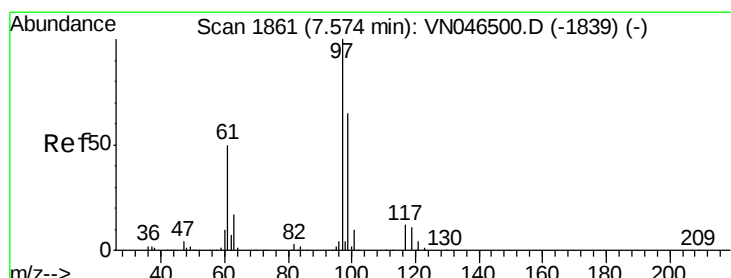
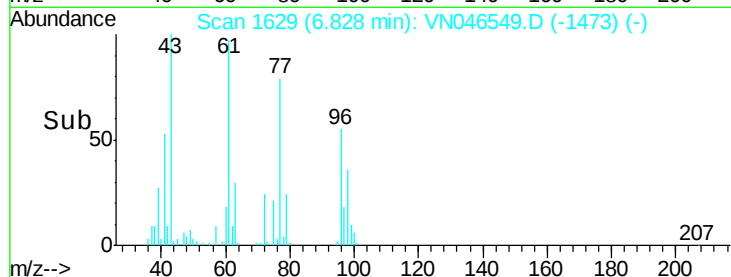
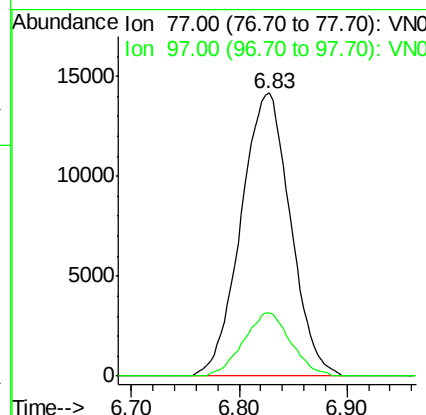
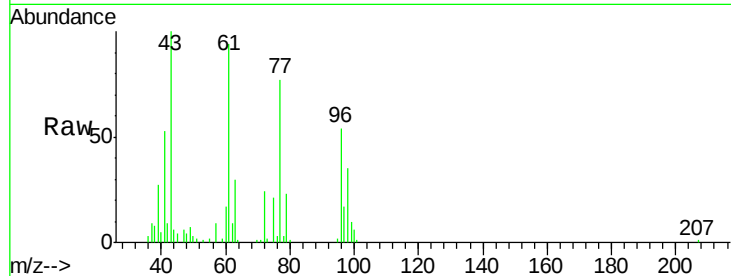




#31
 2,2-Dichloropropane
 Concen: 9.55 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

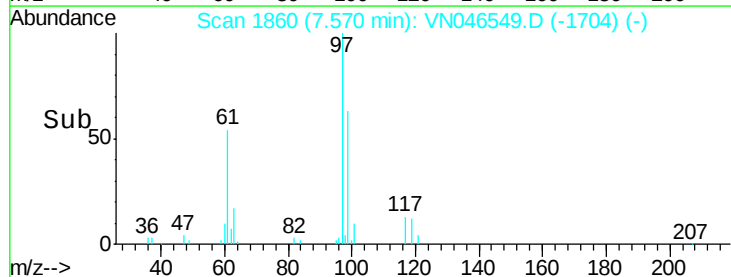
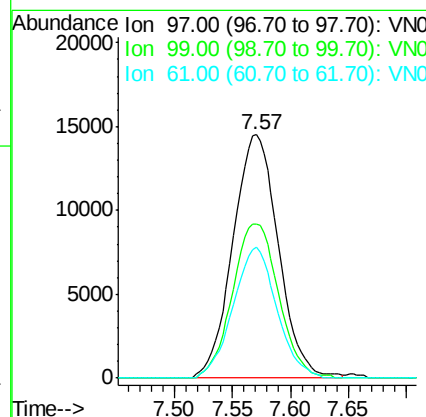
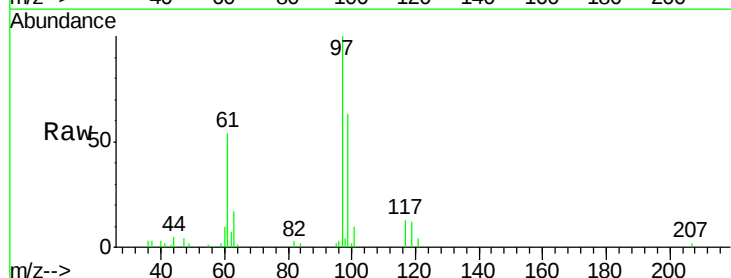
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

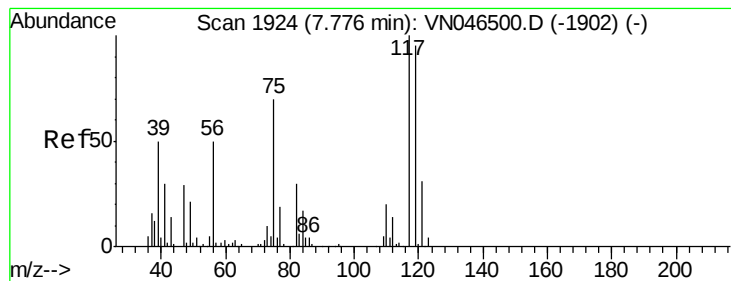
Tgt Ion: 77 Resp: 45105
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.2 25.8



#32
 1,1,1-Trichloroethane
 Concen: 9.46 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 97 Resp: 39597
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.4 75.6
 61 51.6 41.3 61.9





#33

Carbon Tetrachloride

Concen: 9.11 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

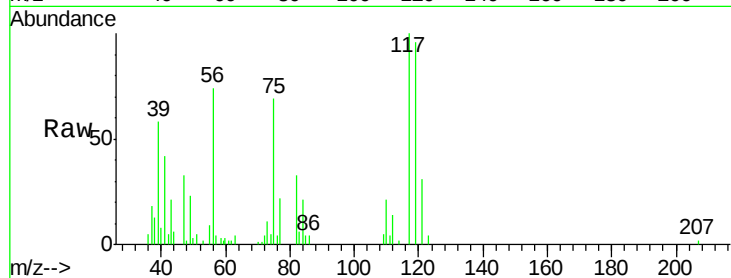
Tgt Ion: 117 Resp: 30674

Ion Ratio Lower Upper

117 100

119 96.2 77.7 116.5

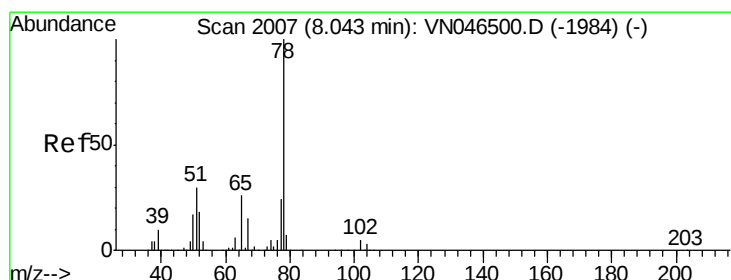
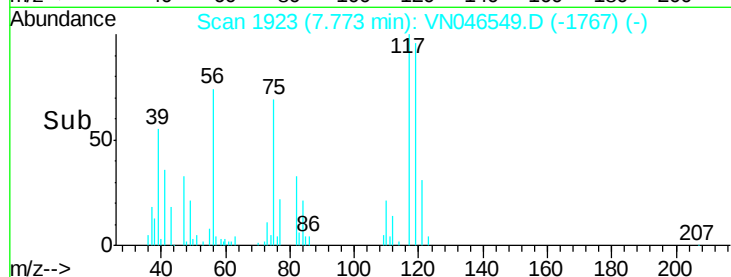
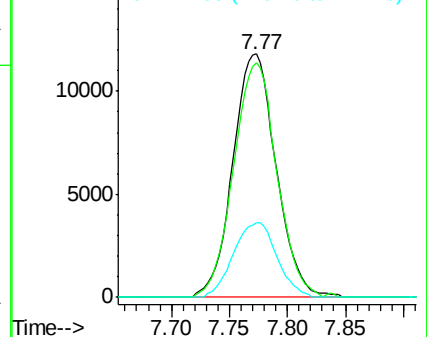
121 30.7 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 9.56 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

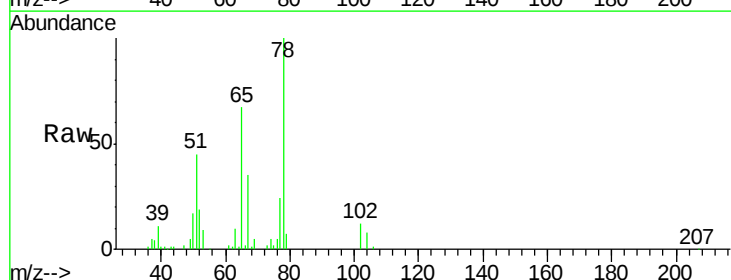
Tgt Ion: 78 Resp: 115773

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

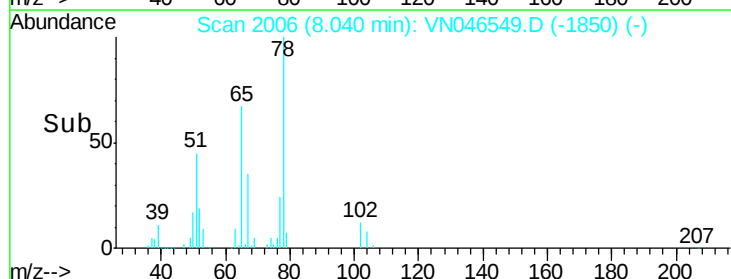
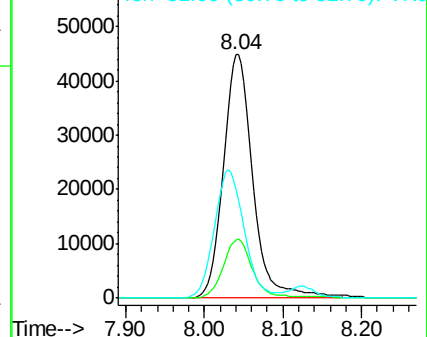
51 44.5 25.4 38.0#

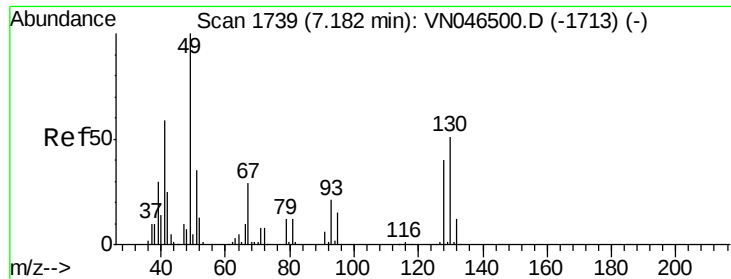


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

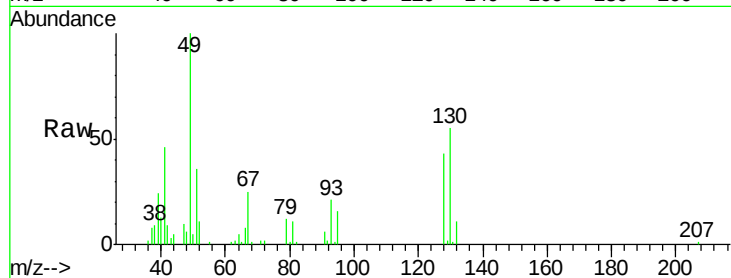




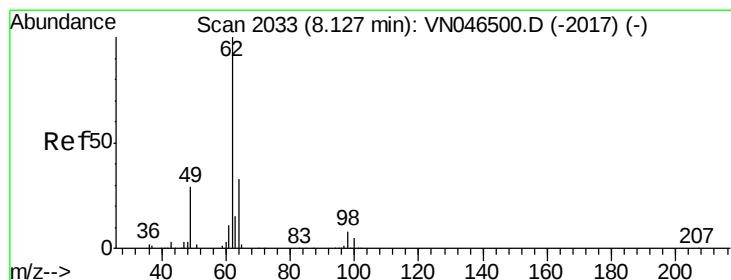
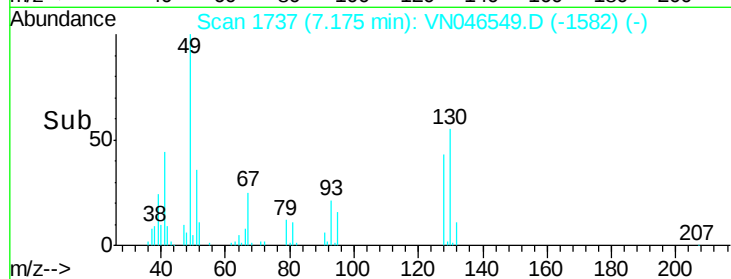
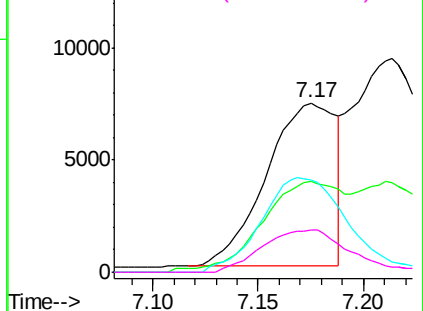
#35
Methacrylonitrile
Concen: 9.10 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

Tgt Ion:	41	Resp:	16539
Ion	Ratio	Lower	Upper
41	100		
39	53.4	26.6	79.8
67	56.6	28.0	83.9
52	25.8	12.7	38.1

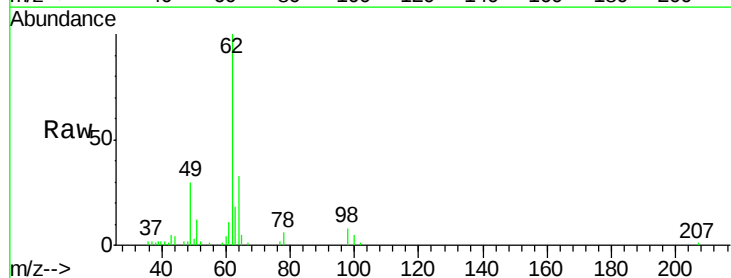


Abundance Ion 41.00 (40.70 to 41.70): VN046500.D (-1713) (-)
Ion 39.00 (38.70 to 39.70): VN046500.D (-1713) (-)
Ion 67.00 (66.70 to 67.70): VN046500.D (-1713) (-)
Ion 52.00 (51.70 to 52.70): VN046500.D (-1713) (-)

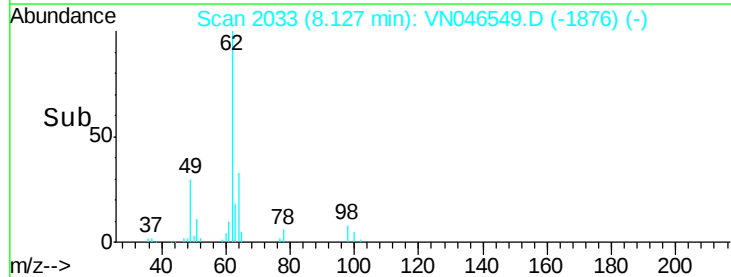
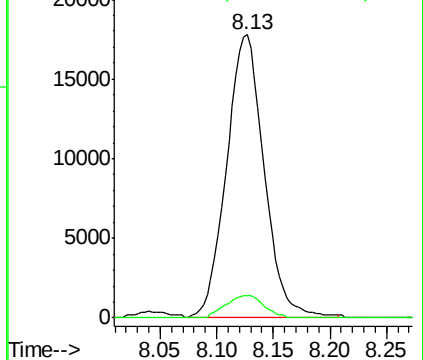


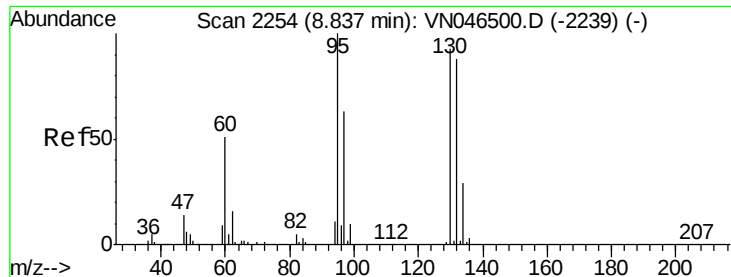
#36
1,2-Dichloroethane
Concen: 9.64 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion:	62	Resp:	41350
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.7	10.1



Abundance Ion 62.00 (61.70 to 62.70): VN046500.D (-1817) (-)
Ion 98.00 (97.70 to 98.70): VN046500.D (-1817) (-)





#37

Trichloroethene

Concen: 9.44 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

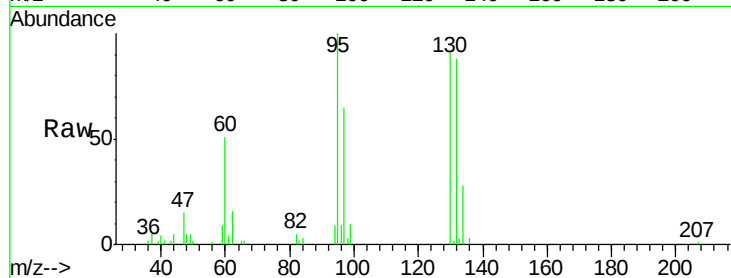
LOQ-WATER-02-QT1-2018

Tgt Ion:130 Resp: 25732

Ion Ratio Lower Upper

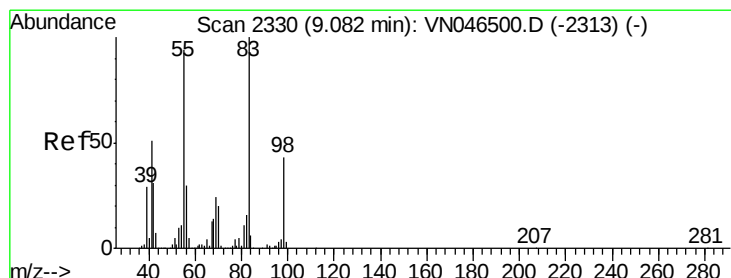
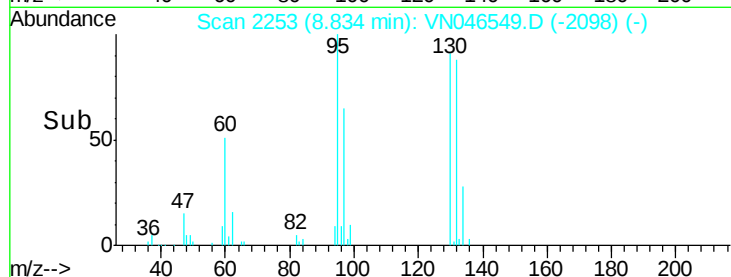
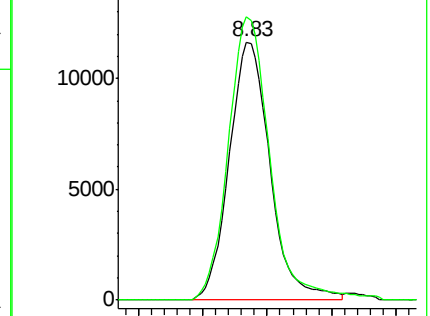
130 100

95 109.6 90.7 136.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0



#38

Methylcyclohexane

Concen: 9.32 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

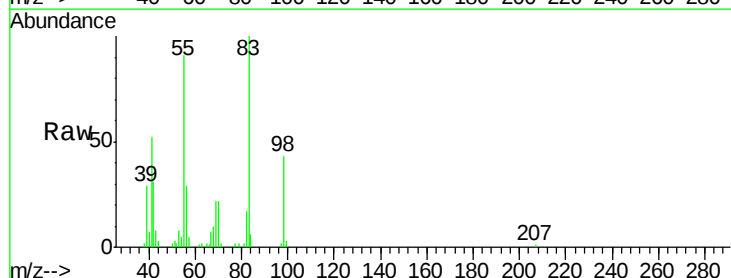
Tgt Ion: 83 Resp: 47345

Ion Ratio Lower Upper

83 100

55 91.9 43.9 131.6

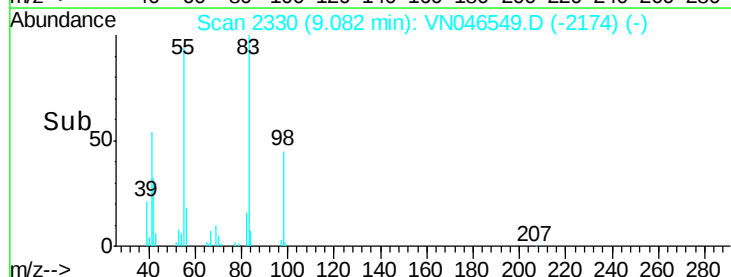
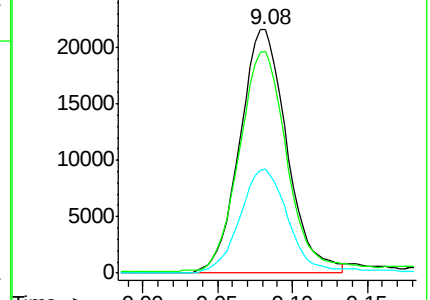
98 43.2 21.1 63.4

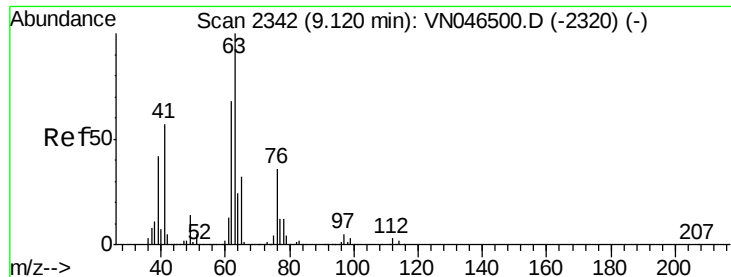


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

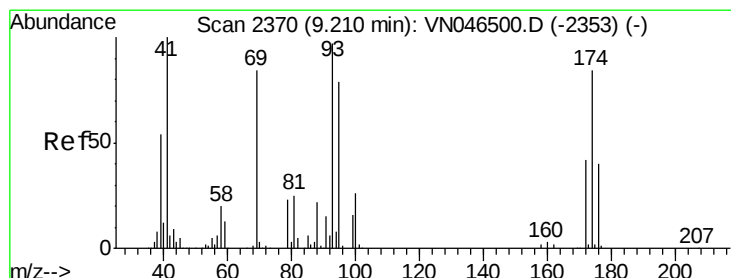
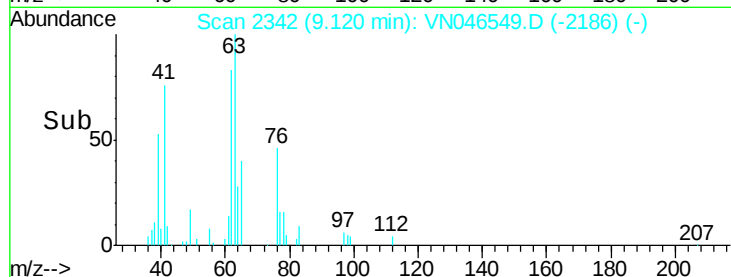
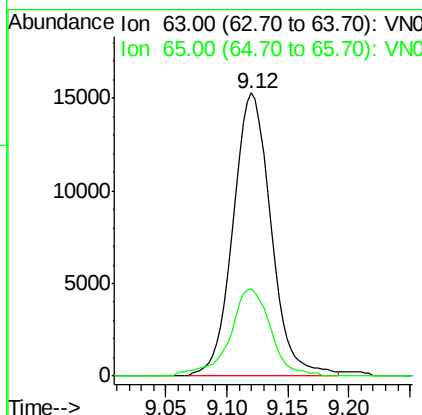
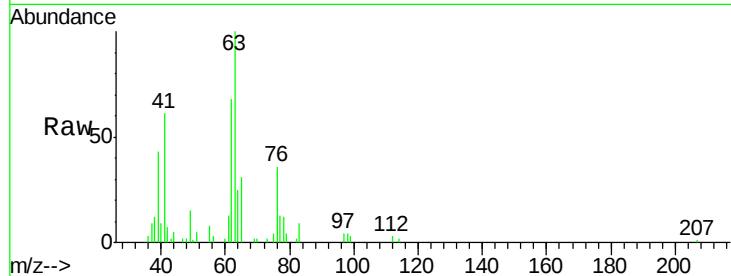




#39
 1,2-Dichloropropane
 Concen: 9.46 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

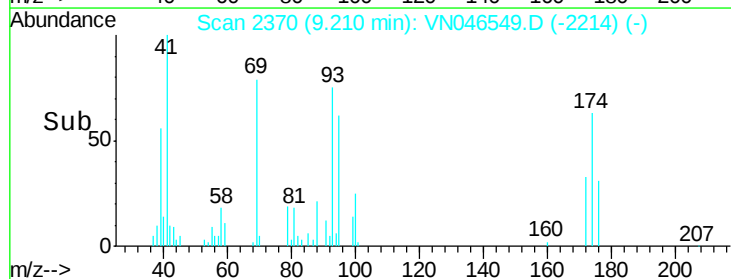
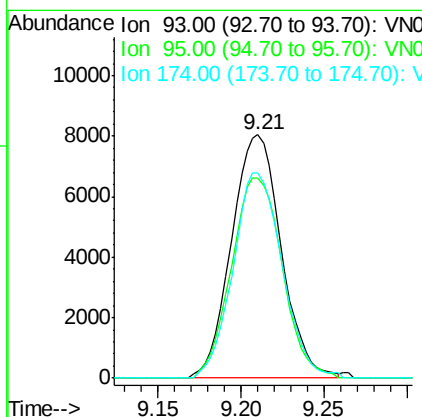
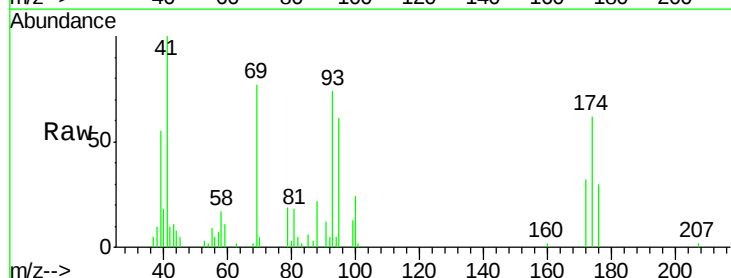
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

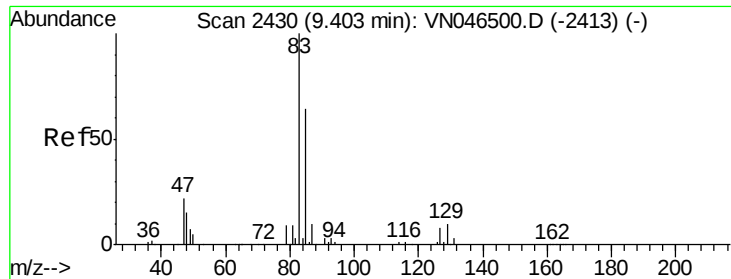
Tgt Ion: 63 Resp: 33080
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0



#40
 Dibromomethane
 Concen: 9.47 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 93 Resp: 16776
 Ion Ratio Lower Upper
 93 100
 95 84.3 0.0 169.8
 174 83.3 0.0 170.4

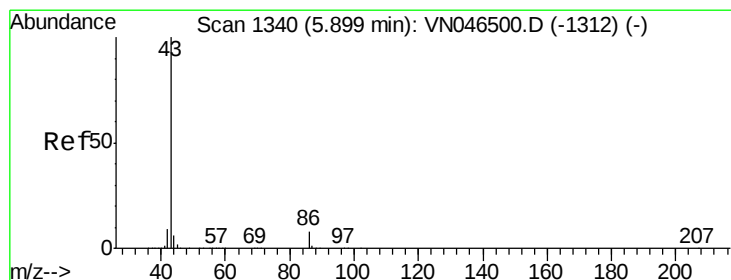
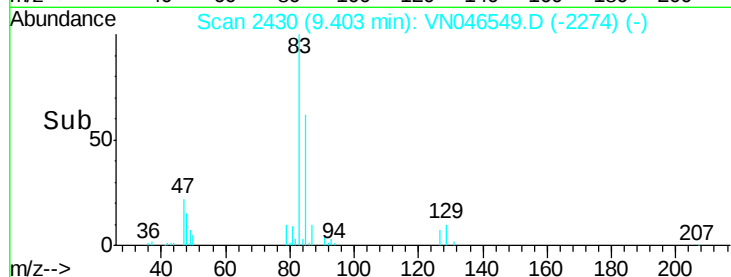
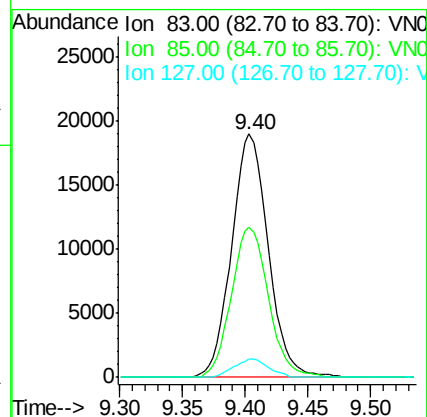
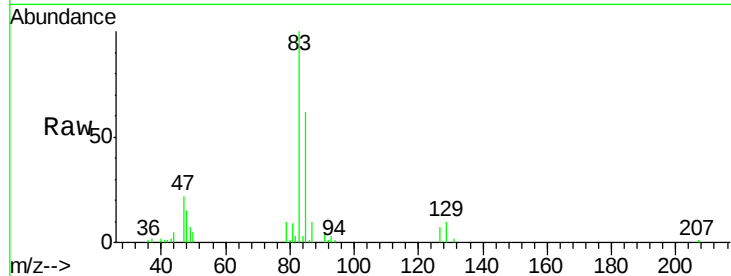




#41
 Bromodichloromethane
 Concen: 9.52 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

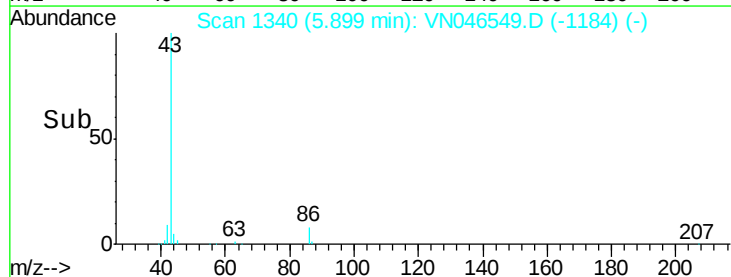
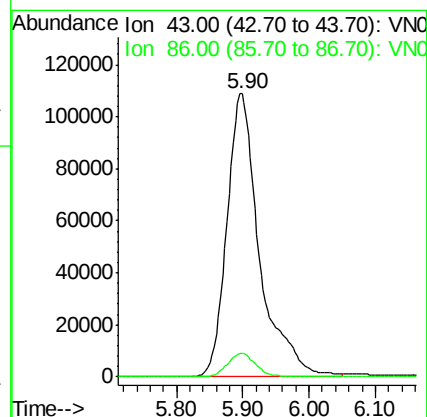
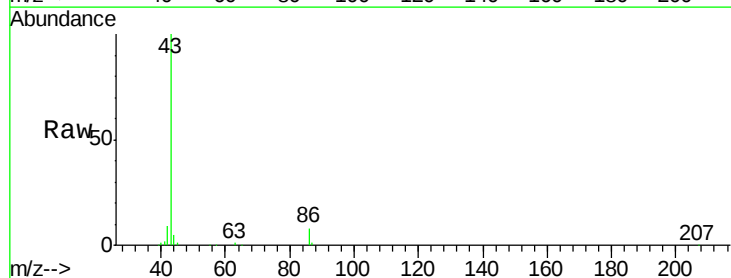
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

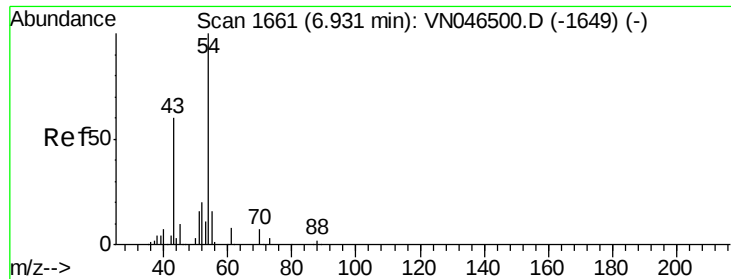
Tgt Ion: 83 Resp: 38508
 Ion Ratio Lower Upper
 83 100
 85 61.6 53.6 80.4
 127 7.4 6.0 9.0



#42
 Vinyl Acetate
 Concen: 45.97 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 43 Resp: 369995
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.7 8.5

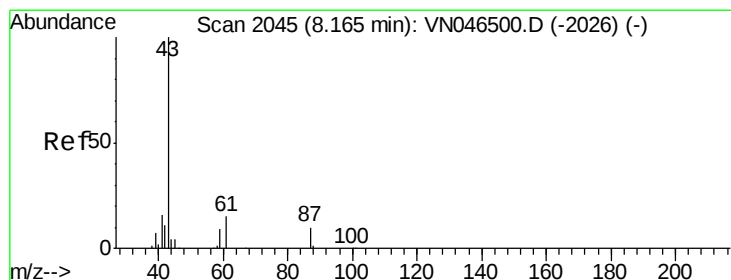
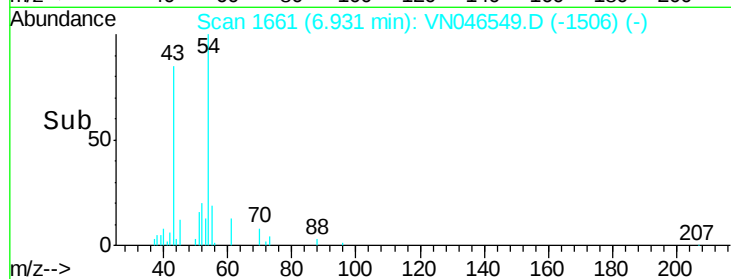
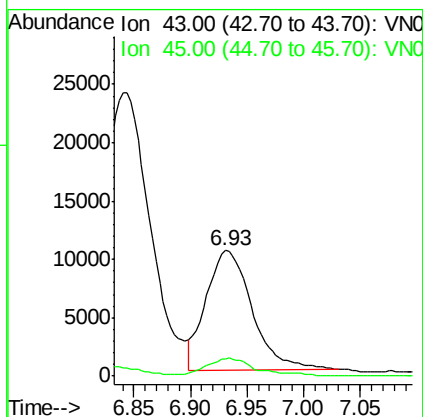
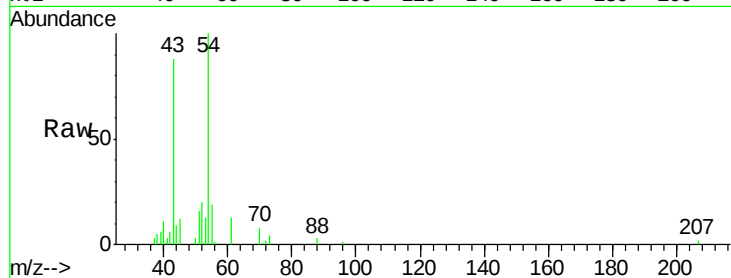




#43
Ethyl Acetate
Concen: 9.36 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

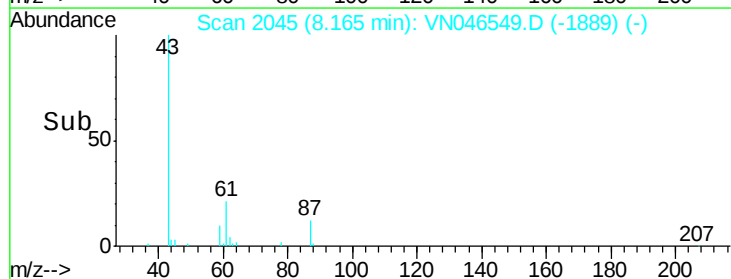
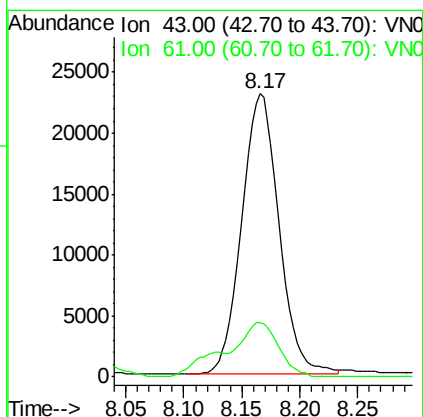
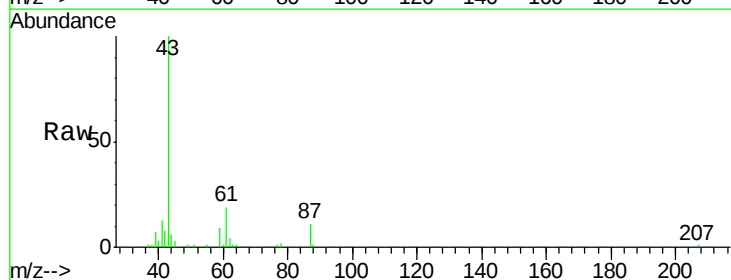
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

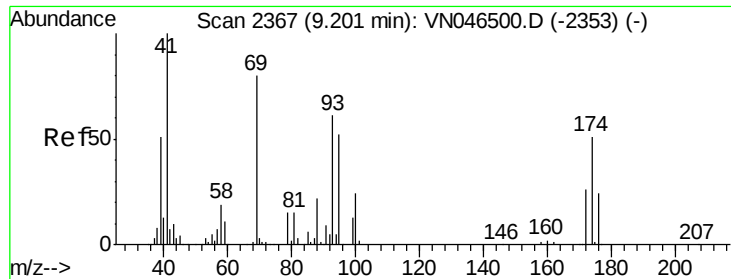
Tgt Ion: 43 Resp: 28824
Ion Ratio Lower Upper
43 100
45 12.6 10.4 15.6



#44
Isopropyl Acetate
Concen: 8.88 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion: 43 Resp: 51803
Ion Ratio Lower Upper
43 100
61 19.4 15.0 22.6

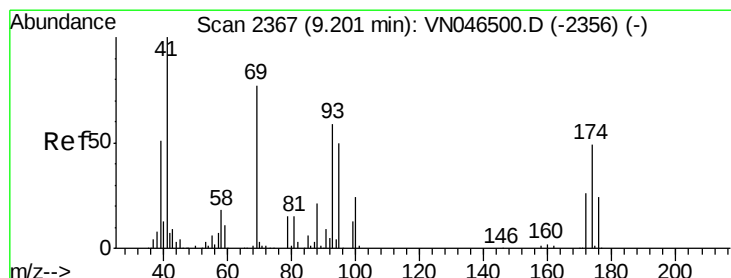
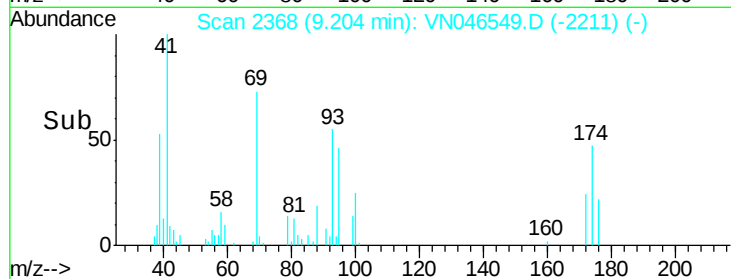
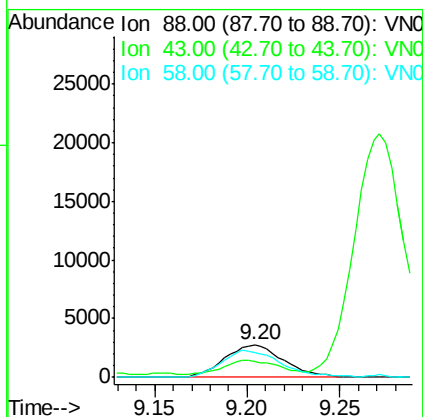
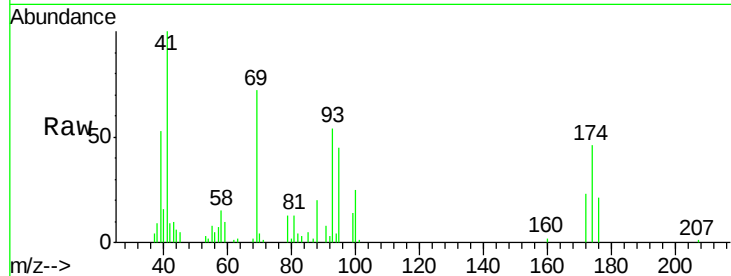




#45
1,4-Dioxane
Concen: 194.73 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

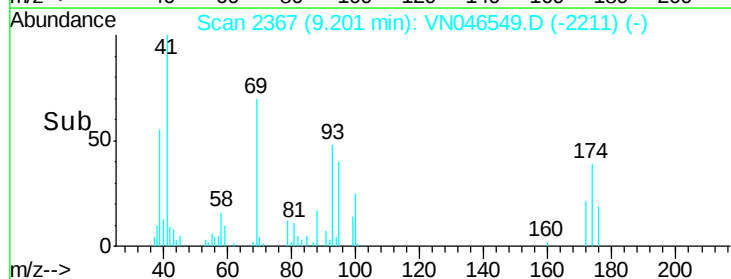
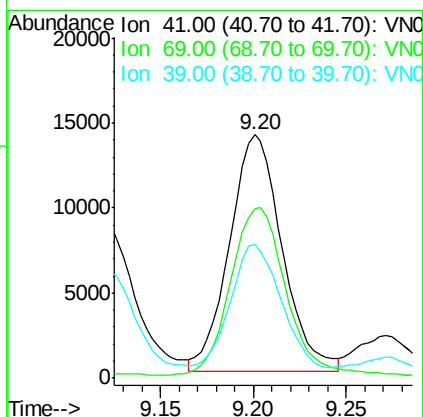
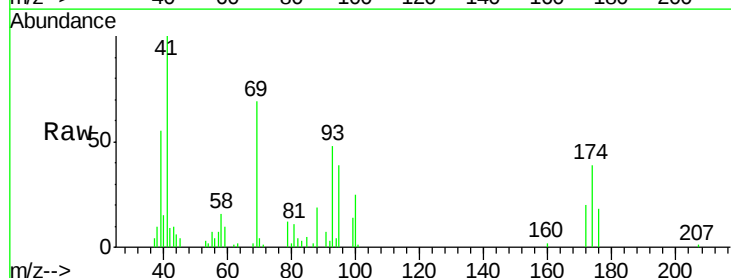
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

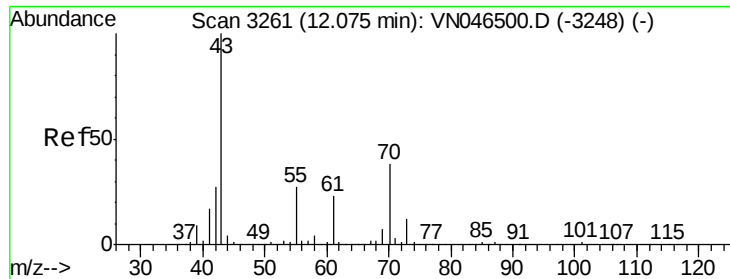
Tgt Ion: 88 Resp: 6028
Ion Ratio Lower Upper
88 100
43 37.0 35.2 52.8
58 85.2 71.2 106.8



#46
Methyl methacrylate
Concen: 9.48 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion: 41 Resp: 27451
Ion Ratio Lower Upper
41 100
69 72.4 36.0 108.0
39 54.2 27.6 82.8





#47

n-amyl Acetate

Concen: 9.08 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

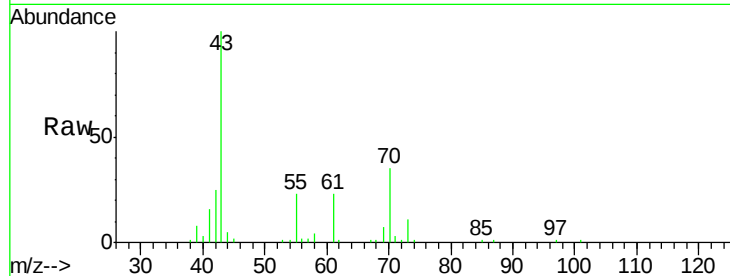
LOQ-WATER-02-QT1-2018

Tgt Ion: 43 Resp: 48980

Ion Ratio Lower Upper

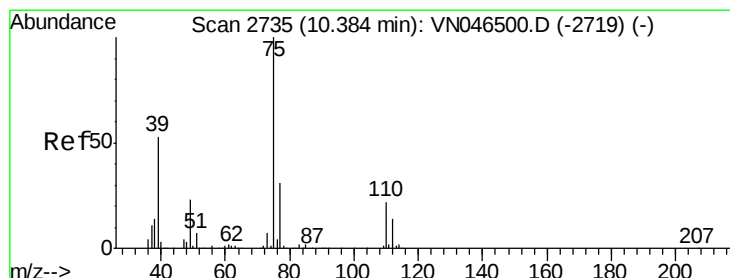
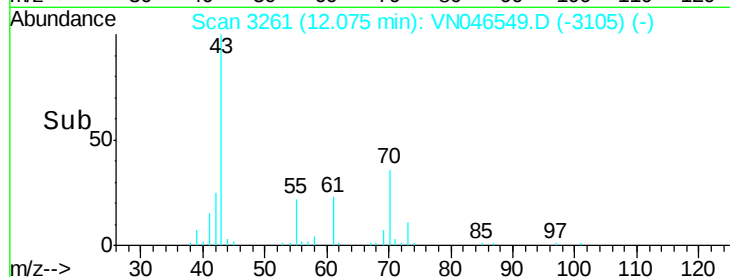
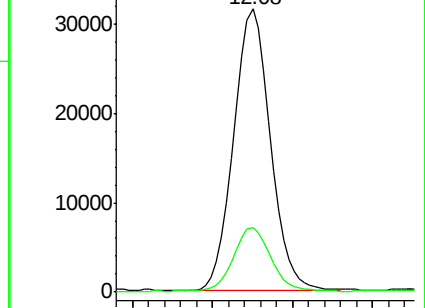
43 100

55 24.1 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN046500.D (-3248) (-)

Ion 55.00 (54.70 to 55.70): VN046500.D (-3248) (-)



#48

t-1,3-Dichloropropene

Concen: 8.86 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN046549.D

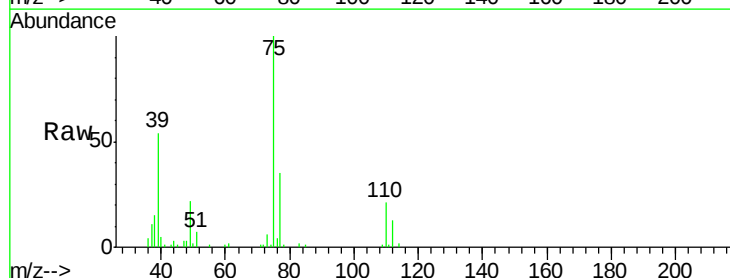
Acq: 24 Jan 2018 17:15

Tgt Ion: 75 Resp: 39907

Ion Ratio Lower Upper

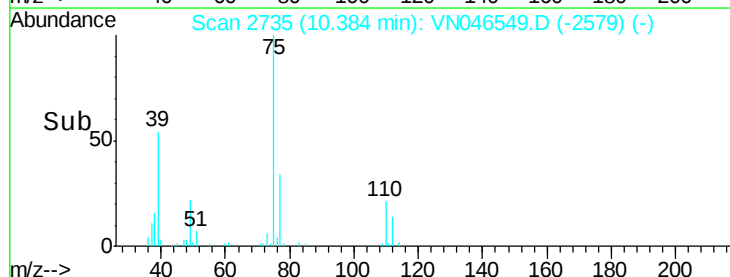
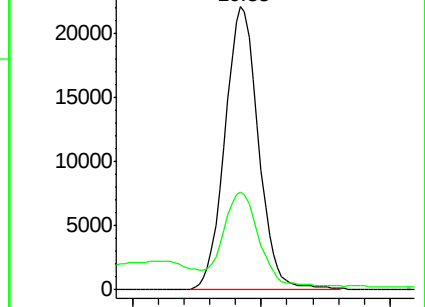
75 100

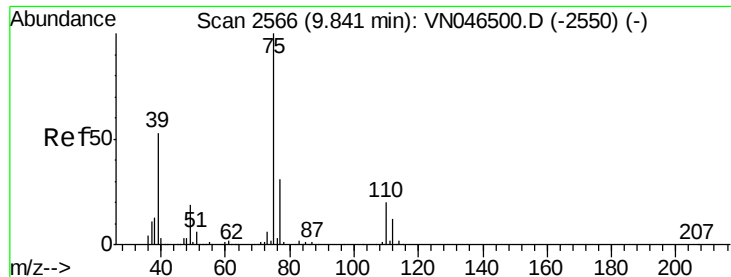
77 33.1 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VN046500.D (-2719) (-)

Ion 77.00 (76.70 to 77.70): VN046500.D (-2719) (-)





#49

cis-1,3-Dichloropropene

Concen: 9.05 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

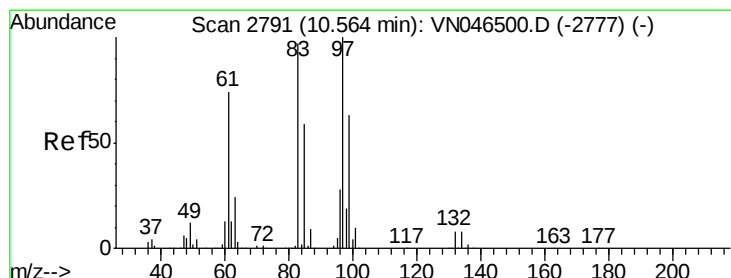
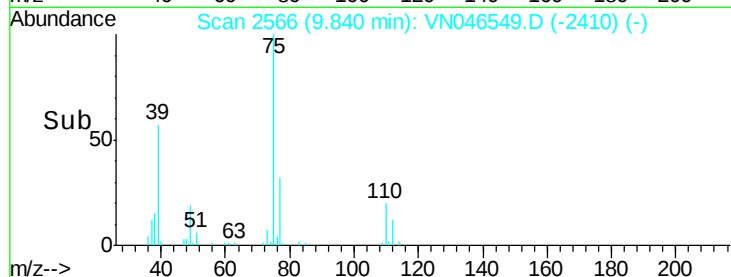
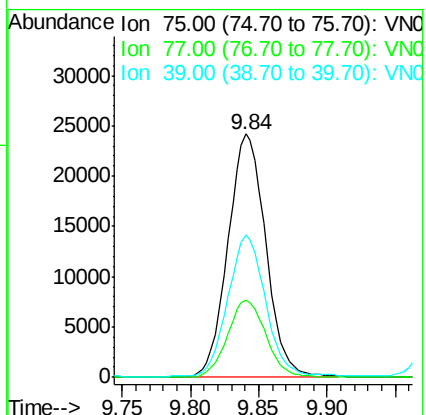
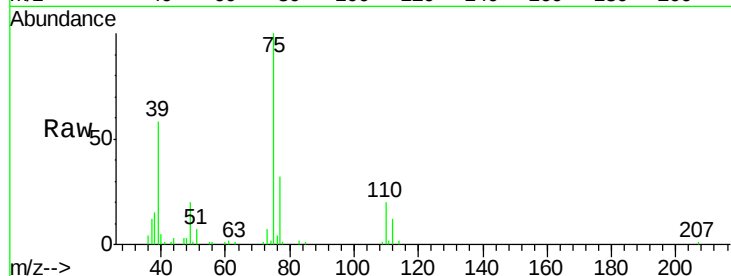
Tgt Ion: 75 Resp: 46632

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 57.6 45.1 67.7



#50

1,1,2-Trichloroethane

Concen: 9.43 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Tgt Ion: 97 Resp: 23873

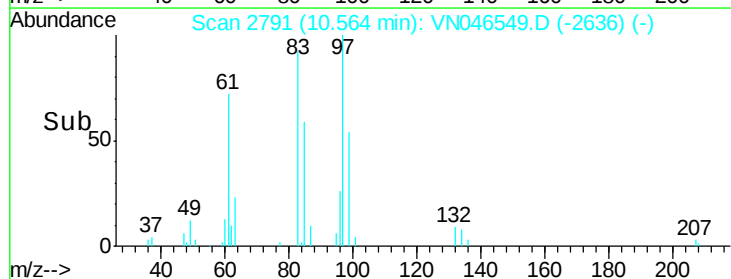
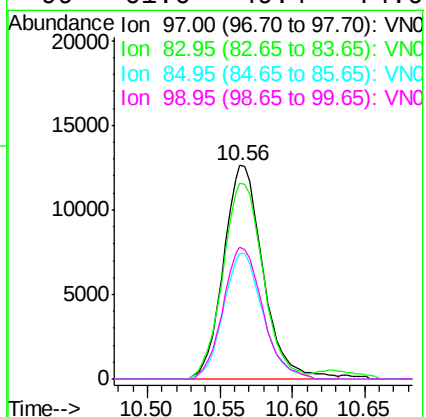
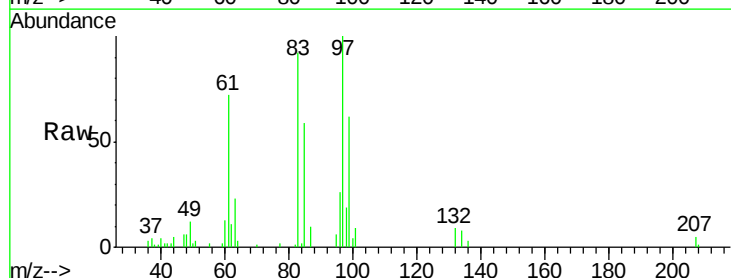
Ion Ratio Lower Upper

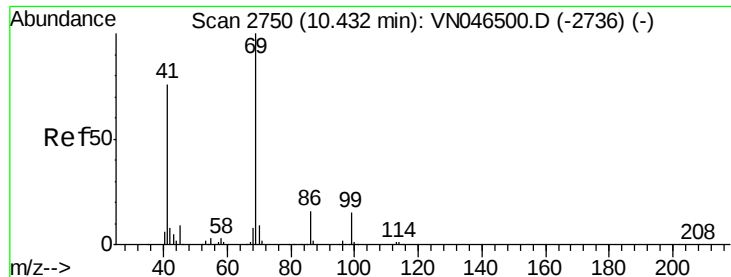
97 100

83 91.9 74.8 112.2

85 59.0 47.5 71.3

99 61.6 49.4 74.0





#51

Ethyl methacrylate

Concen: 9.31 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

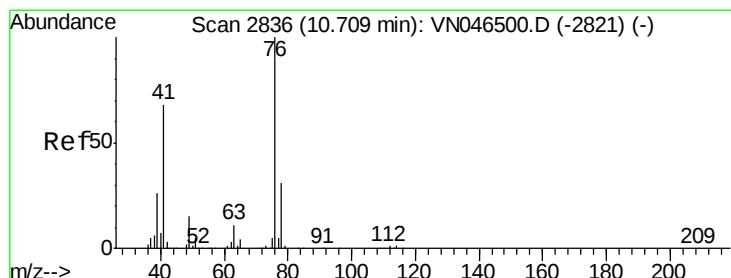
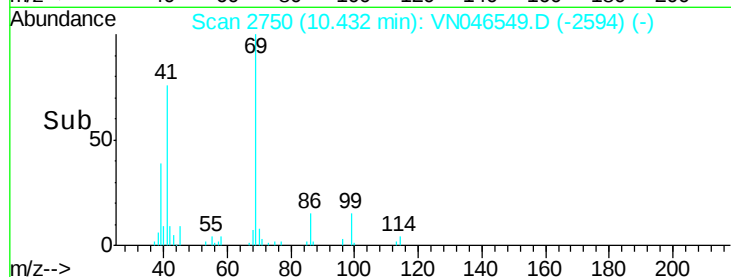
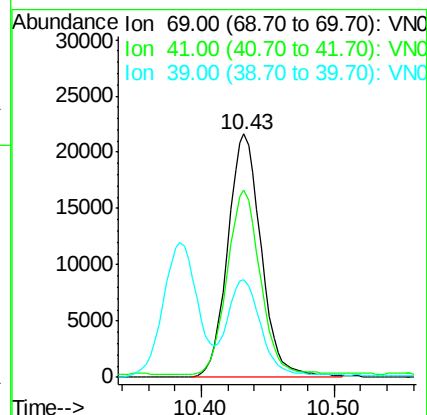
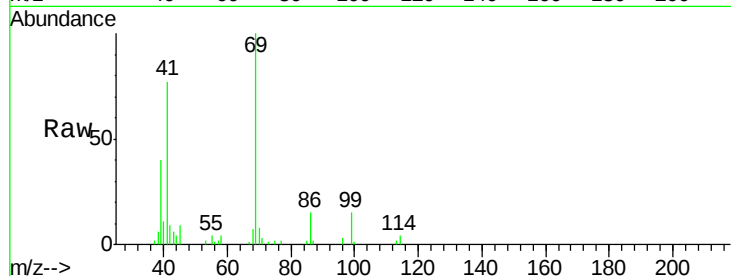
Tgt Ion: 69 Resp: 37951

Ion Ratio Lower Upper

69 100

41 75.7 37.8 113.4

39 38.8 19.3 57.8



#52

1,3-Dichloropropane

Concen: 9.43 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046549.D

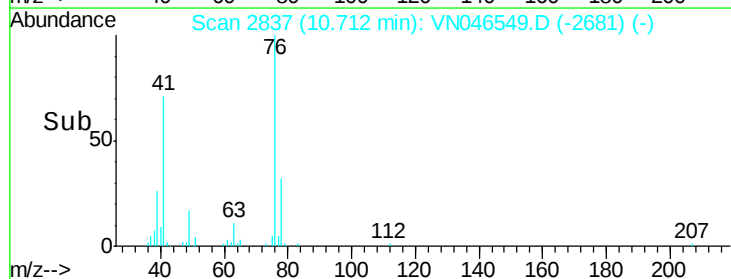
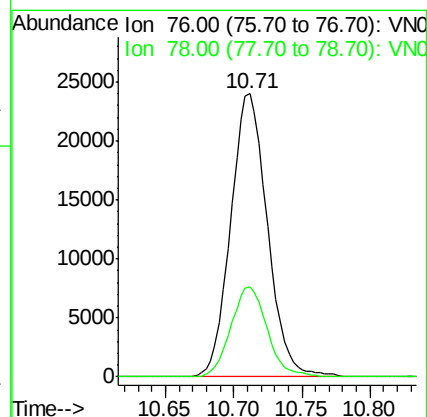
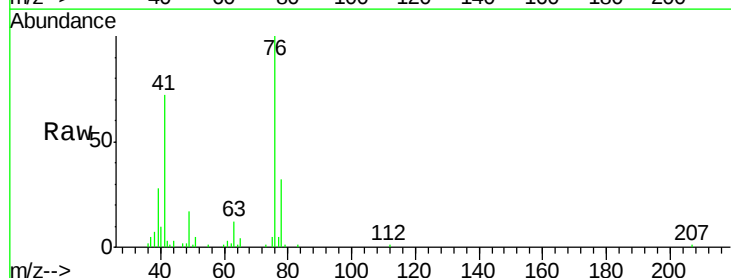
Acq: 24 Jan 2018 17:15

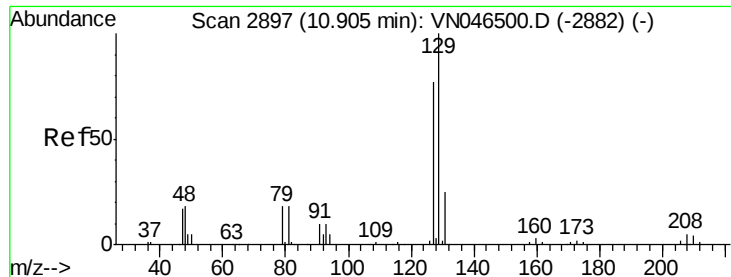
Tgt Ion: 76 Resp: 44947

Ion Ratio Lower Upper

76 100

78 31.4 0.0 63.6





#53

Dibromochloromethane

Concen: 9.06 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

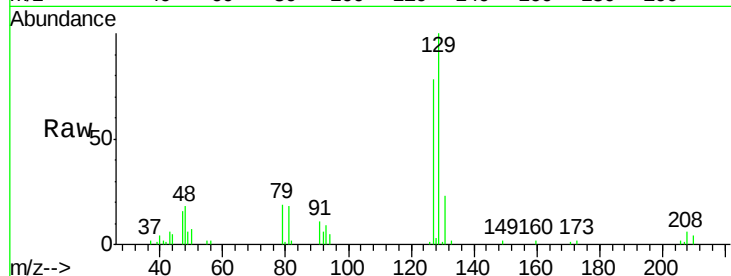
LOQ-WATER-02-QT1-2018

Tgt Ion:129 Resp: 23477

Ion Ratio Lower Upper

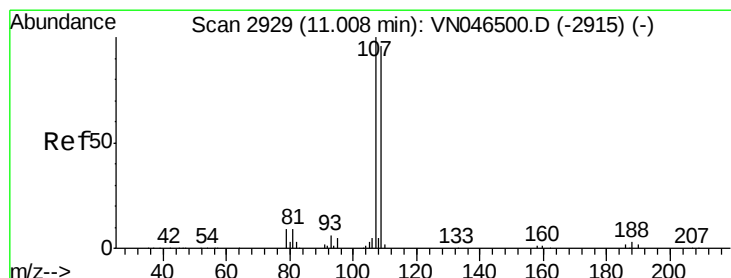
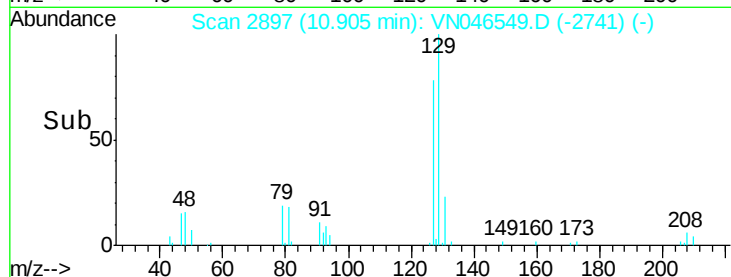
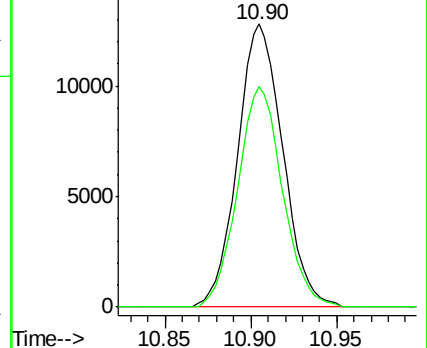
129 100

127 77.2 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 9.48 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN046549.D

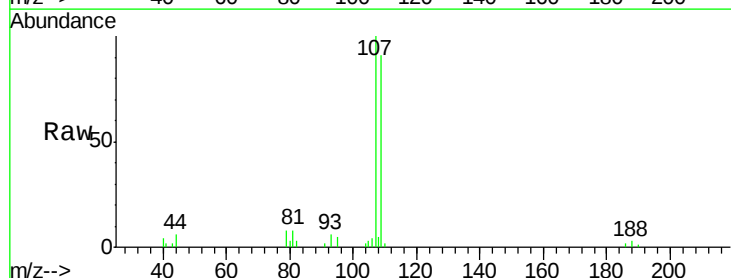
Acq: 24 Jan 2018 17:15

Tgt Ion:107 Resp: 21598

Ion Ratio Lower Upper

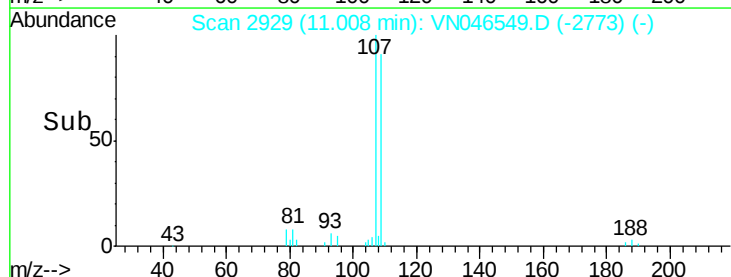
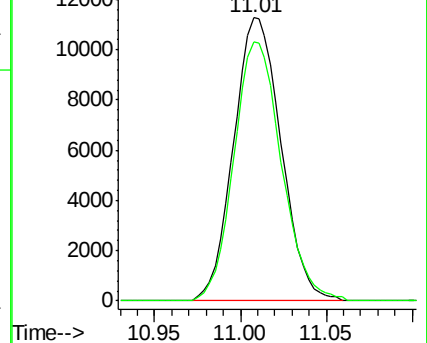
107 100

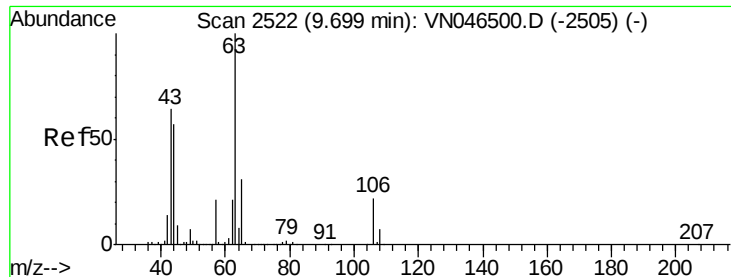
109 91.6 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

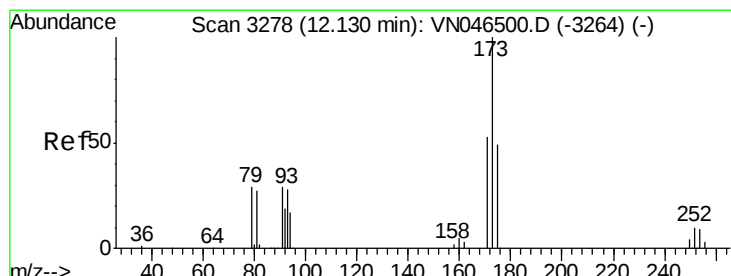
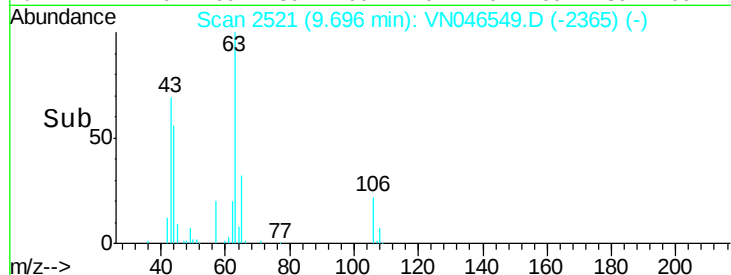
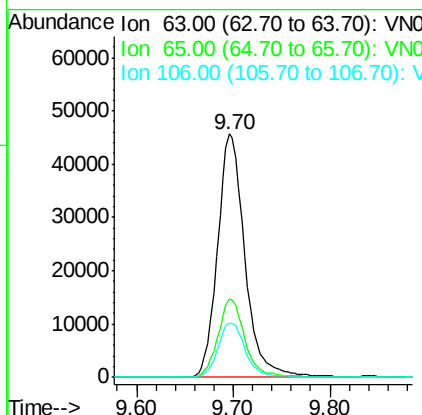
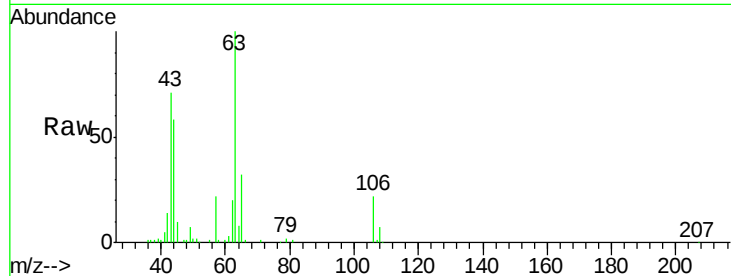




#55
 2-Chloroethyl vinyl ether
 Concen: 51.81 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

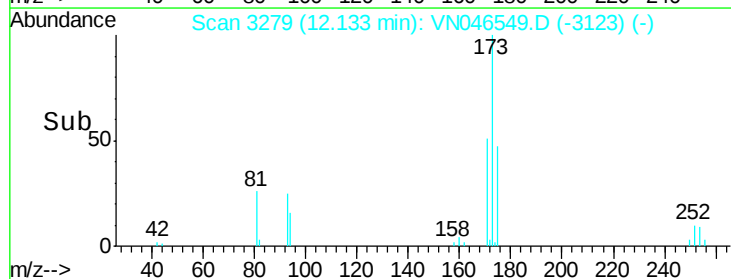
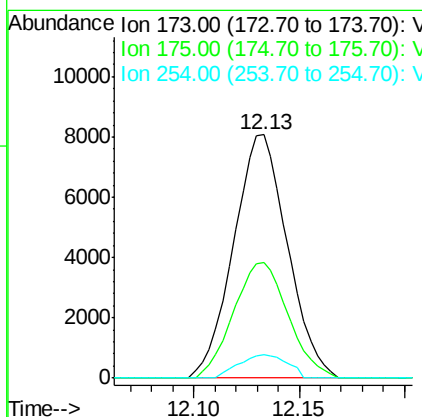
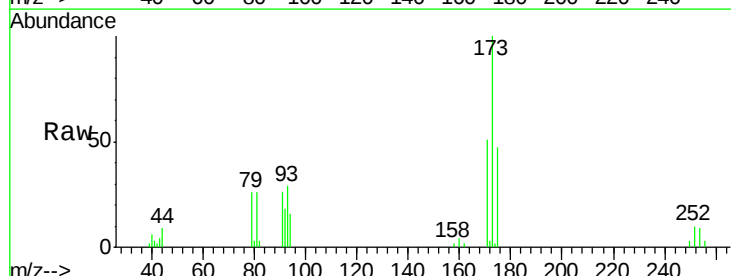
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

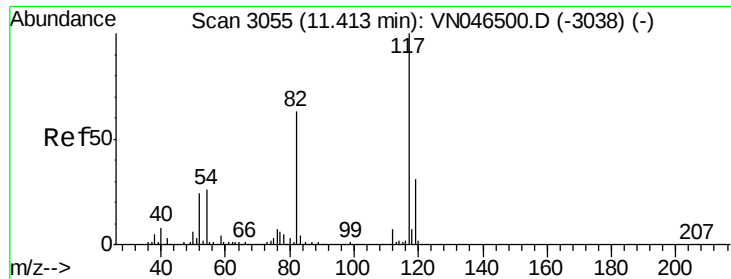
Tgt Ion: 63 Resp: 89714
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.7 38.5
 106 22.4 17.7 26.5



#56
 Bromoform
 Concen: 8.94 ug/l
 RT: 12.13 min Scan# 3279
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion: 173 Resp: 14312
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.5 57.7
 254 8.7 7.3 10.9





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

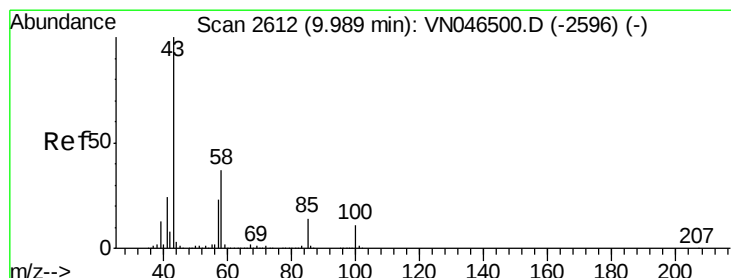
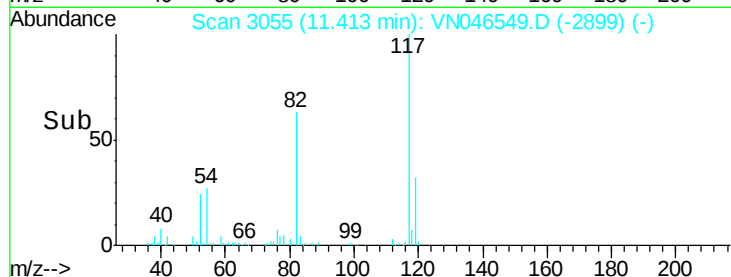
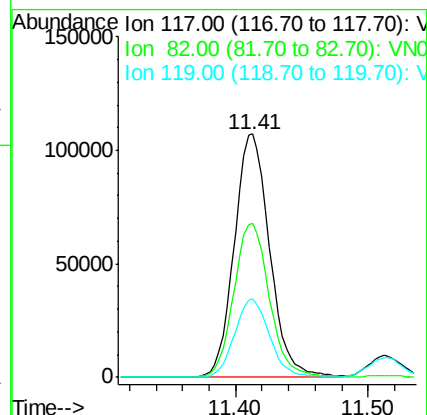
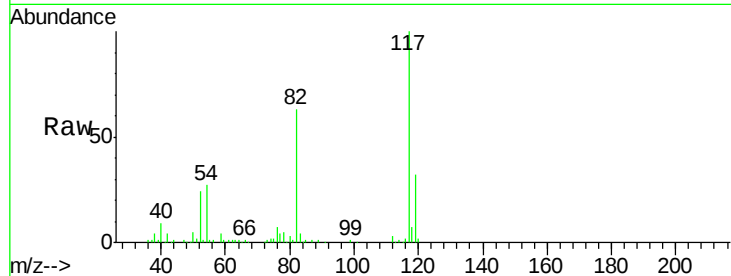
Tgt Ion:117 Resp: 198995

Ion Ratio Lower Upper

117 100

82 63.9 51.5 77.3

119 31.9 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 47.68 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

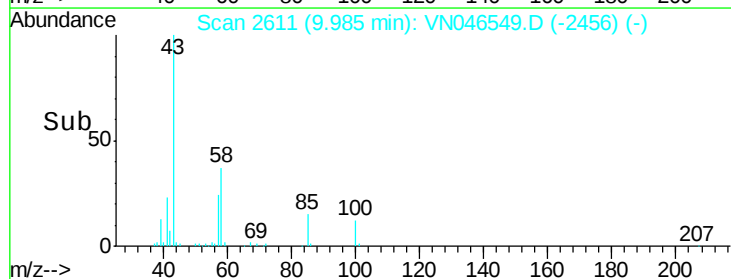
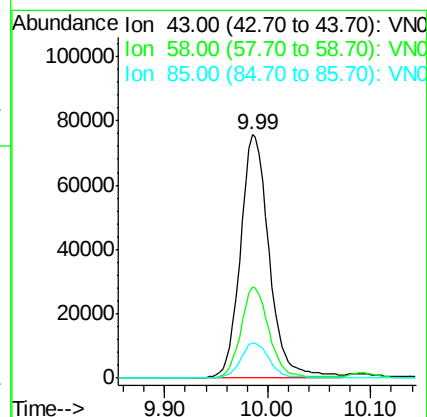
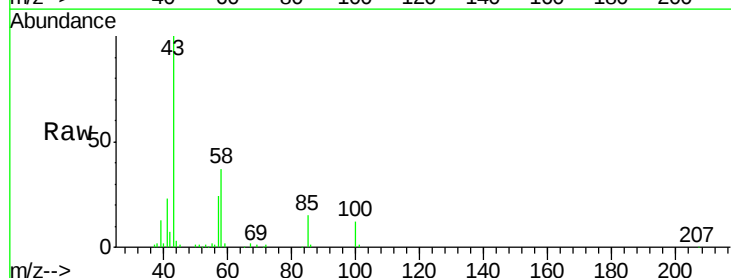
Tgt Ion: 43 Resp: 145895

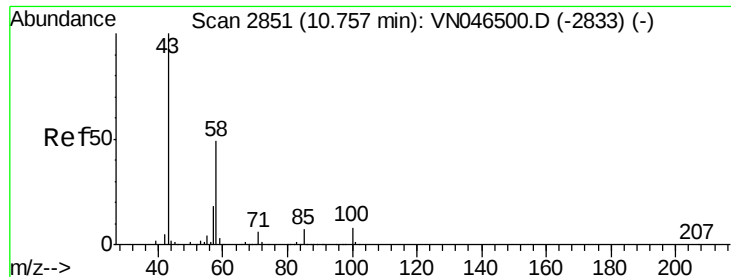
Ion Ratio Lower Upper

43 100

58 37.0 29.4 44.2

85 14.6 11.5 17.3

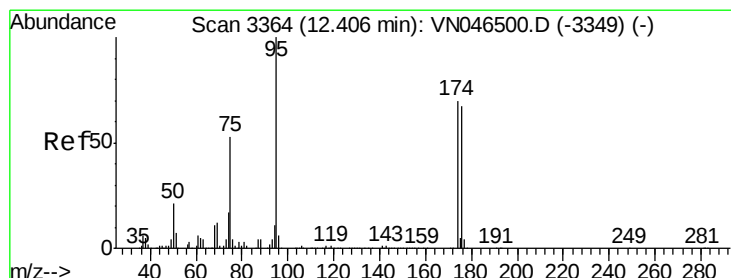
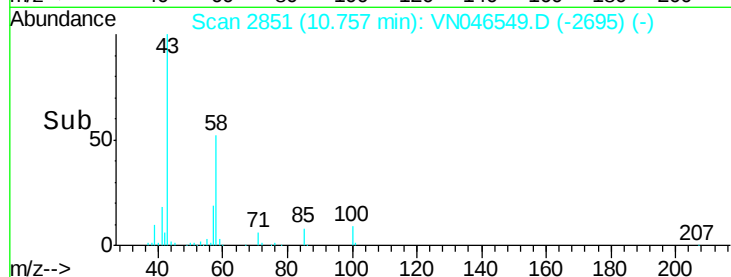
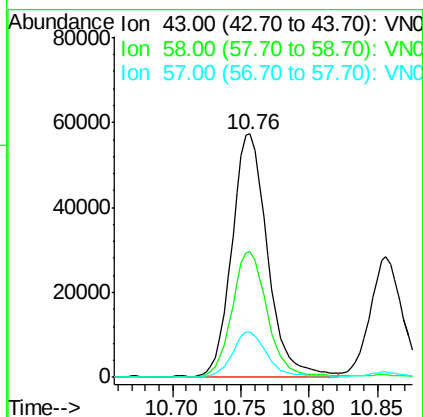
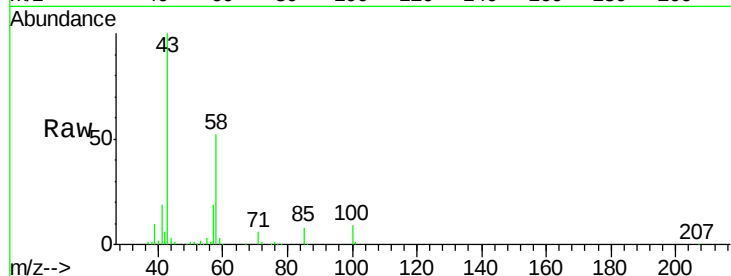




#59
2-Hexanone
Concen: 47.61 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

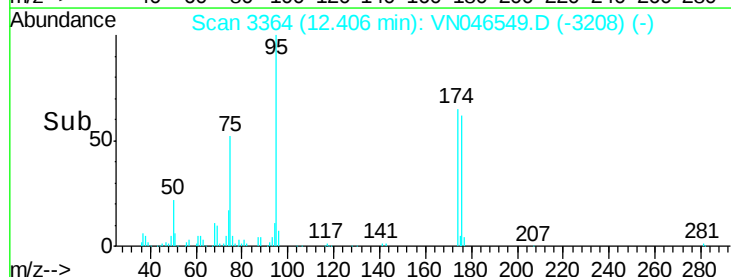
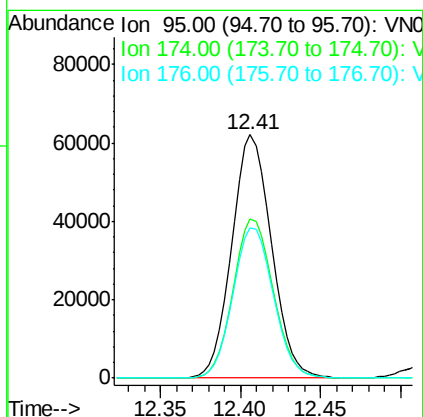
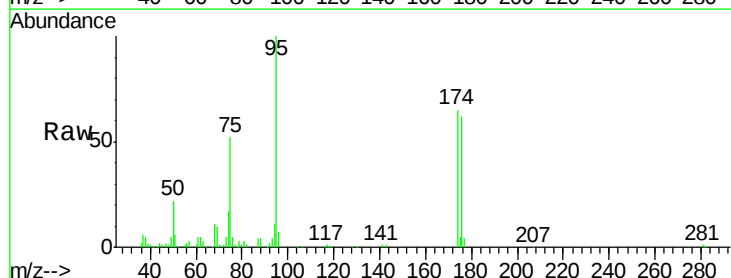
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

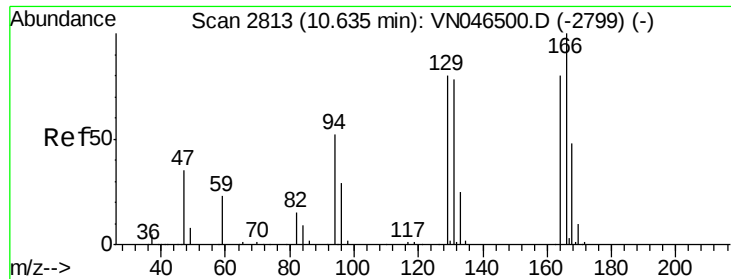
Tgt Ion: 43 Resp: 103166
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.50 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion: 95 Resp: 105071
Ion Ratio Lower Upper
95 100
174 66.0 52.5 78.7
176 63.1 50.6 75.8

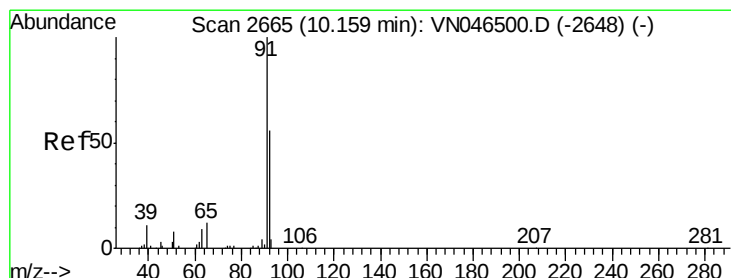
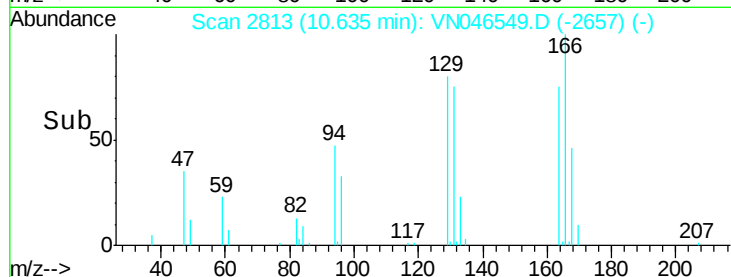
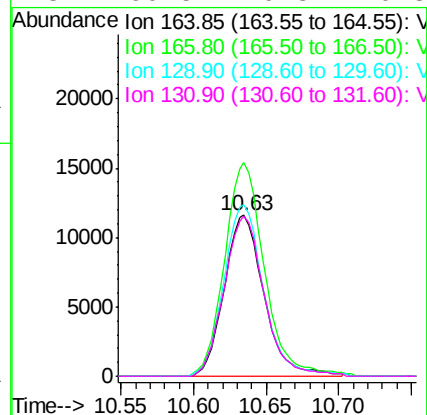
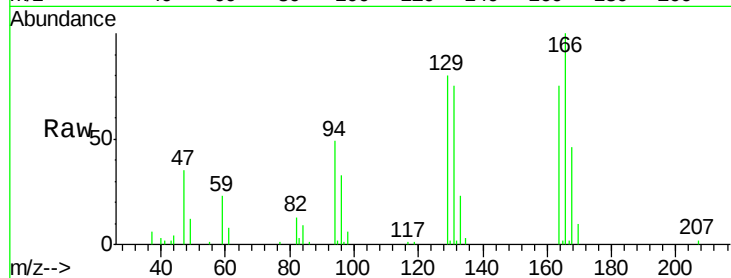




#61
Tetrachloroethene
Concen: 9.86 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

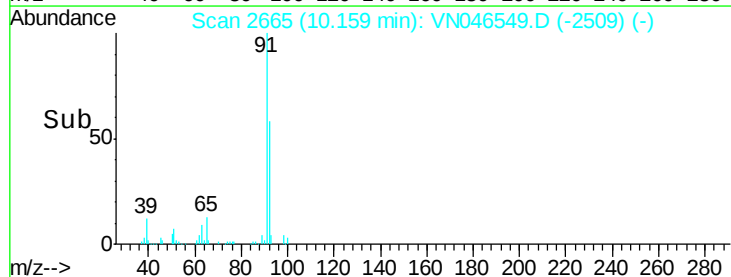
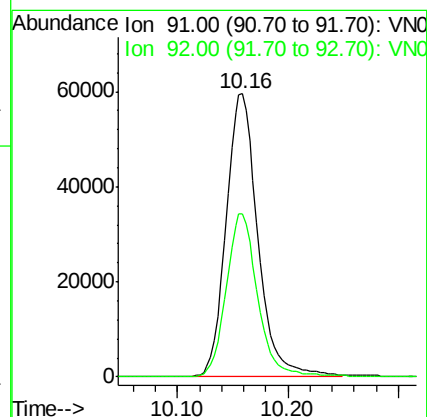
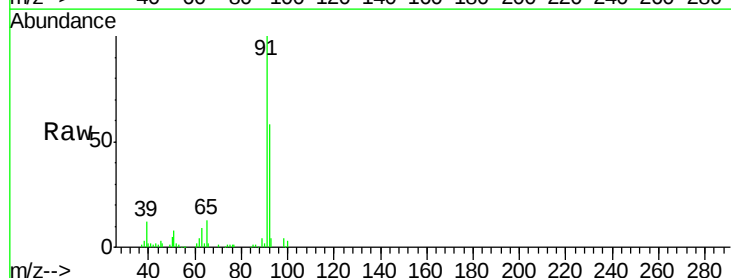
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

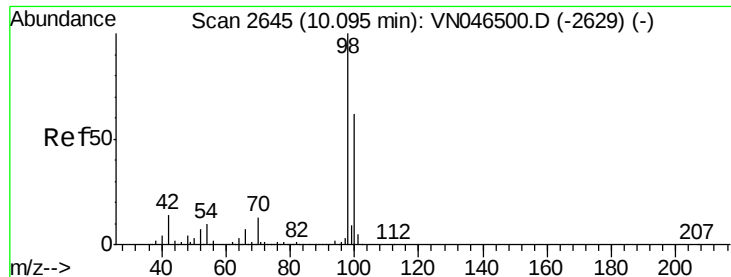
Tgt Ion:164 Resp: 22057
Ion Ratio Lower Upper
164 100
166 130.8 101.6 152.4
129 104.8 83.8 125.6
131 99.5 79.8 119.8



#62
Toluene
Concen: 9.78 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion: 91 Resp: 119069
Ion Ratio Lower Upper
91 100
92 56.9 45.6 68.4





#63

Toluene-d8

Concen: 30.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

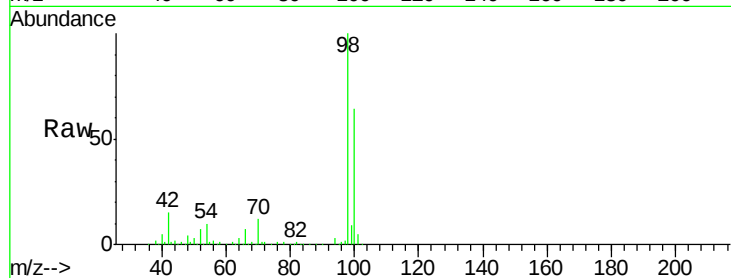
LOQ-WATER-02-QT1-2018

Tgt Ion: 98 Resp: 291171

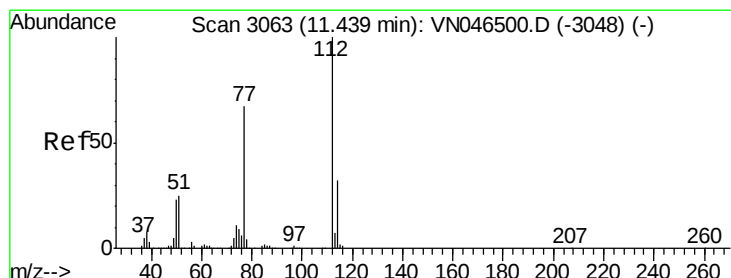
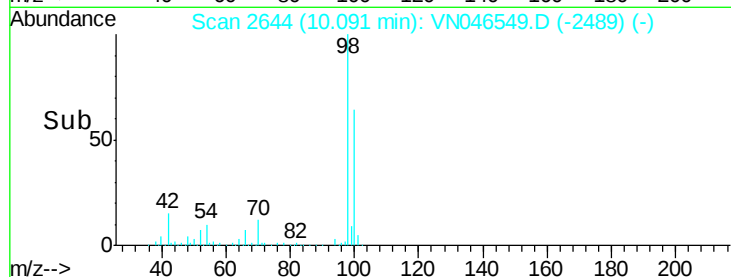
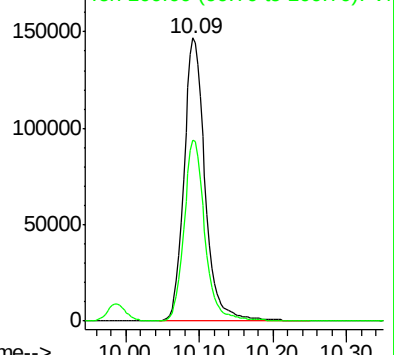
Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN046500.D (-2629) (-)



#64

Chlorobenzene

Concen: 9.71 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046549.D

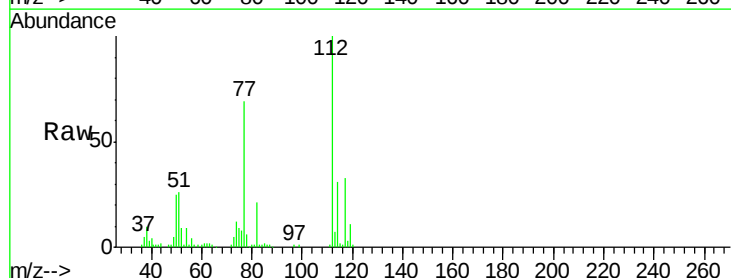
Acq: 24 Jan 2018 17:15

Tgt Ion: 112 Resp: 68958

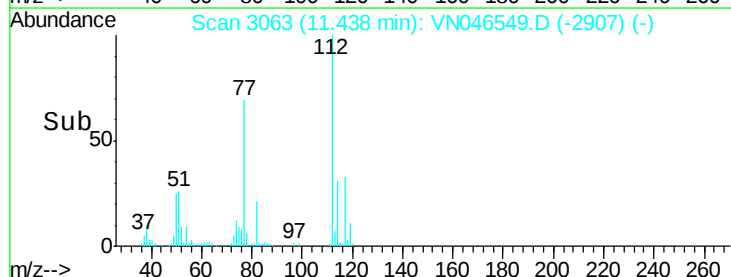
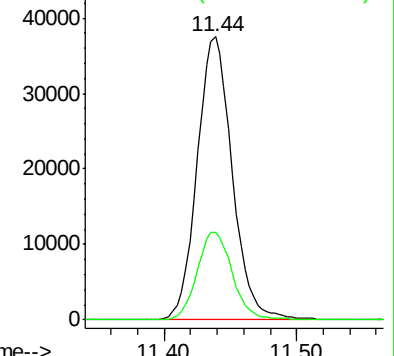
Ion Ratio Lower Upper

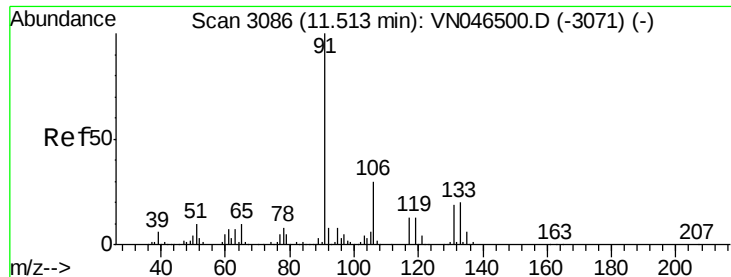
112 100

114 30.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN046500.D (-3048) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 9.65 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

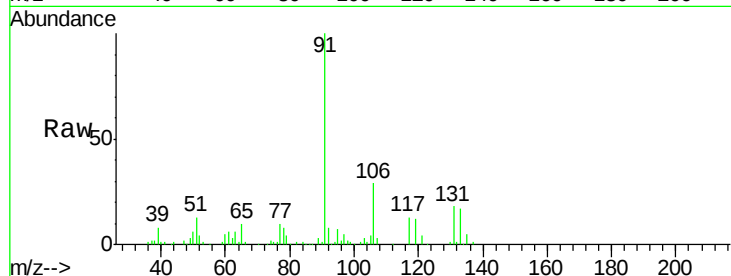
Tgt Ion:131 Resp: 23057

Ion Ratio Lower Upper

131 100

133 94.8 0.0 191.6

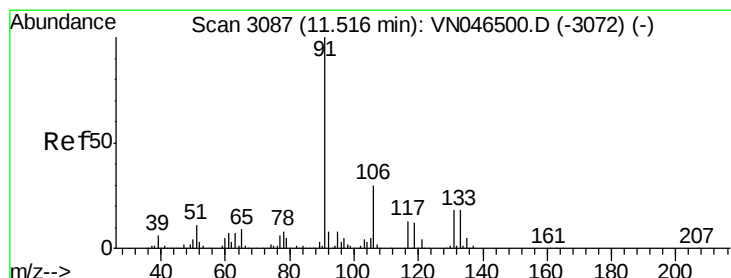
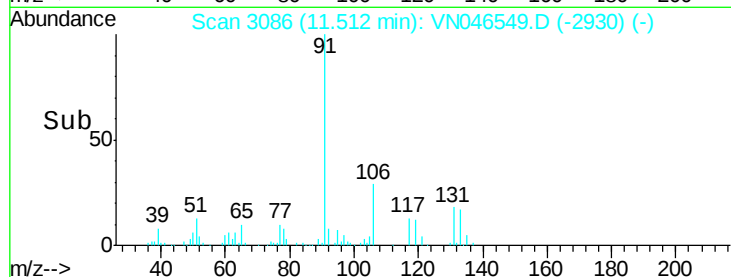
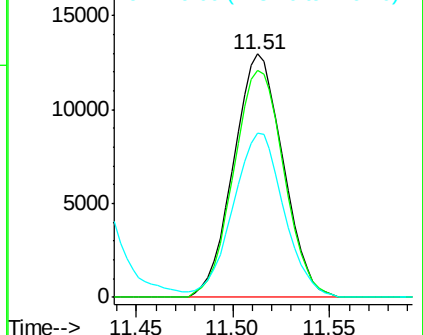
119 69.4 0.0 141.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 9.84 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046549.D

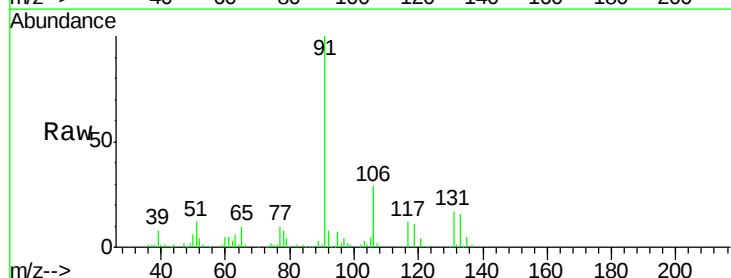
Acq: 24 Jan 2018 17:15

Tgt Ion: 91 Resp: 131411

Ion Ratio Lower Upper

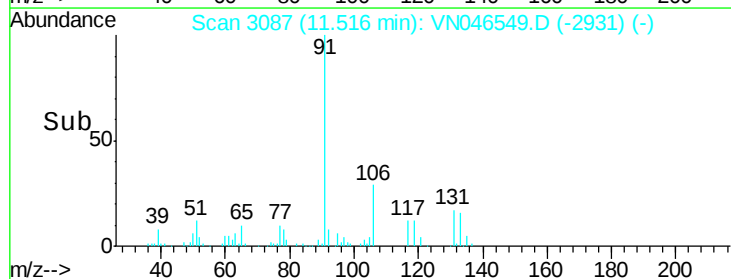
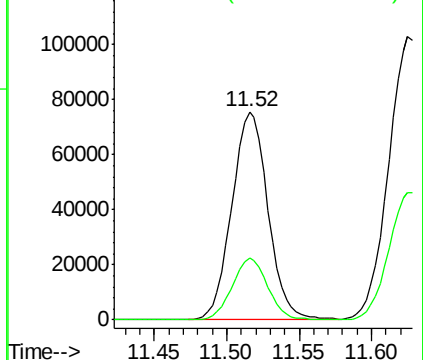
91 100

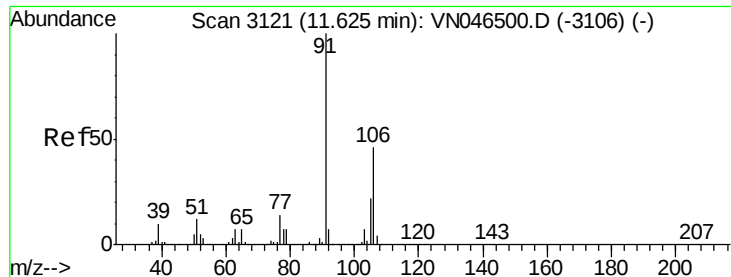
106 29.5 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

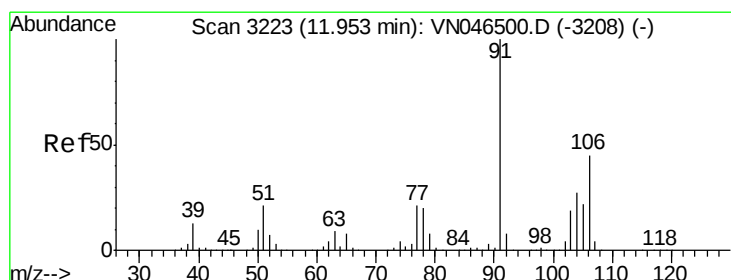
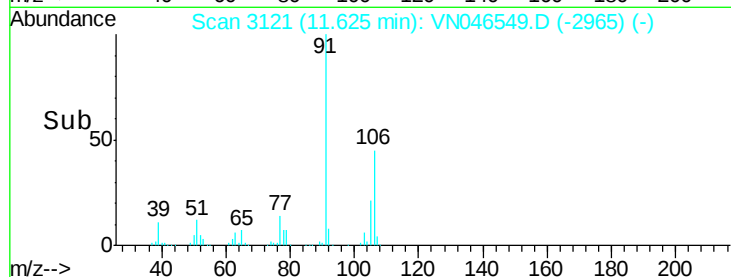
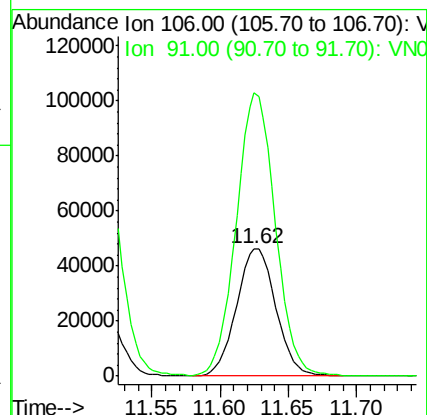
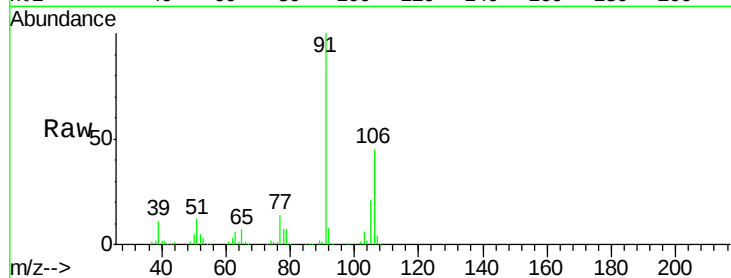




#67
m/p-Xylenes
Concen: 19.35 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

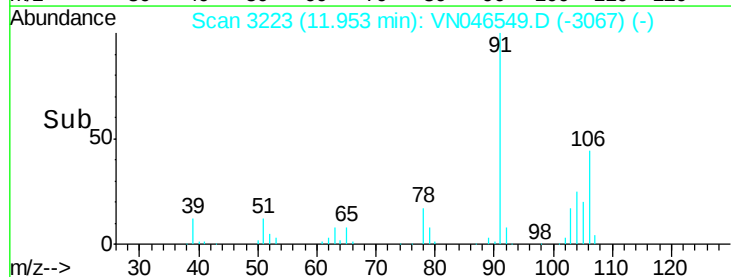
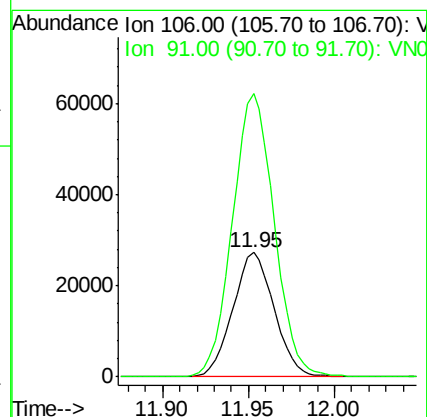
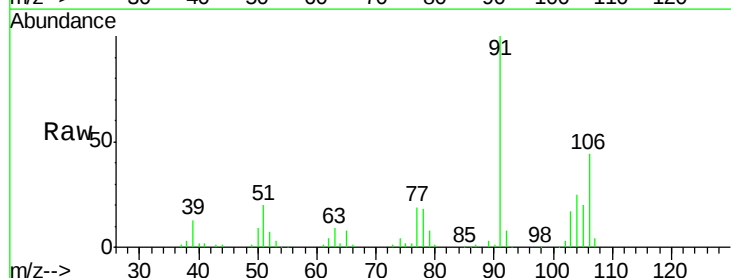
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

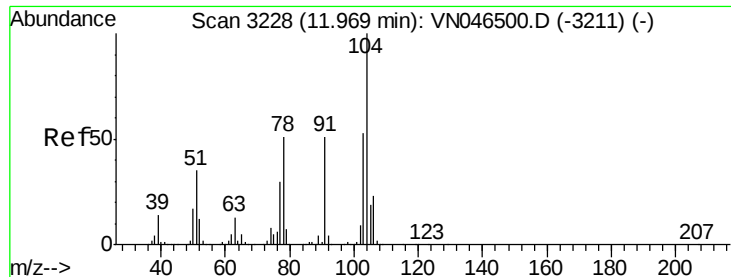
Tgt Ion:106 Resp: 92916
Ion Ratio Lower Upper
106 100
91 220.0 173.8 260.8



#68
o-Xylene
Concen: 9.80 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion:106 Resp: 45612
Ion Ratio Lower Upper
106 100
91 229.6 115.7 346.9





#69

Styrene

Concen: 9.56 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

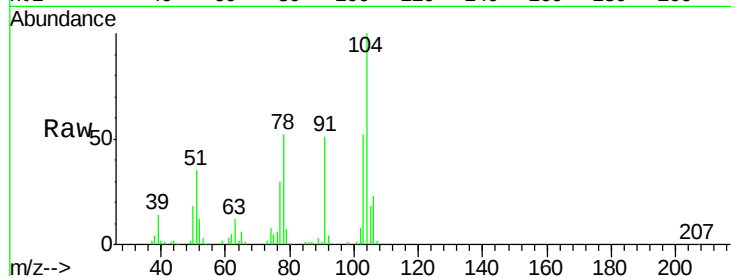
Tgt Ion:104 Resp: 73598

Ion Ratio Lower Upper

104 100

78 56.7 45.5 68.3

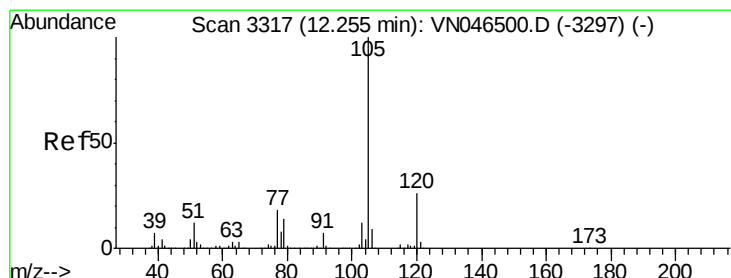
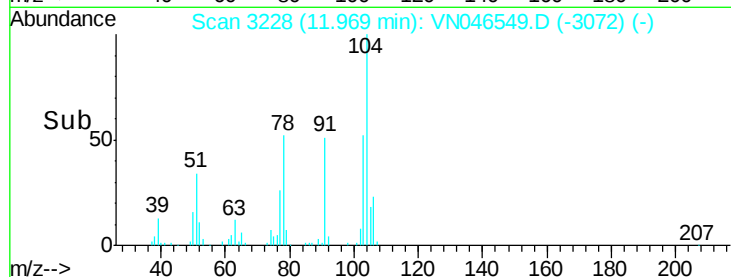
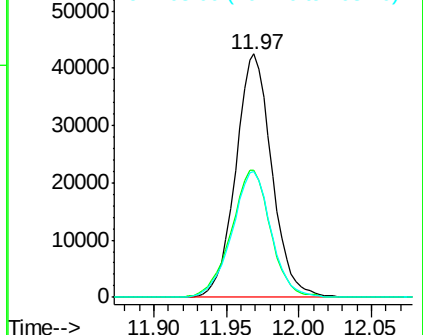
103 55.7 45.0 67.4



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



#70

Isopropylbenzene

Concen: 9.93 ug/l

RT: 12.26 min Scan# 3317

Delta R.T. 0.00 min

Lab File: VN046549.D

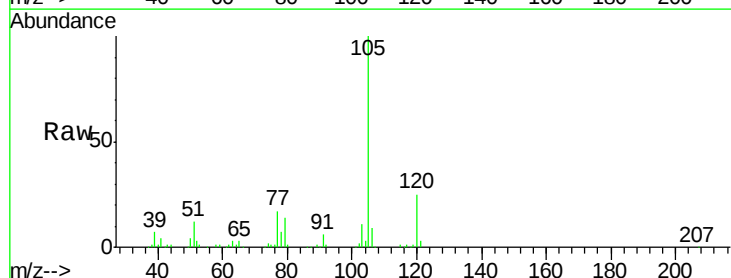
Acq: 24 Jan 2018 17:15

Tgt Ion:105 Resp: 122920

Ion Ratio Lower Upper

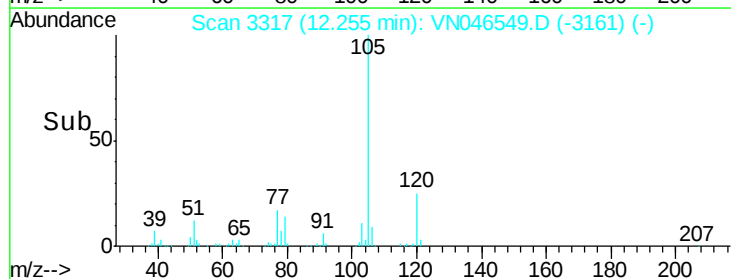
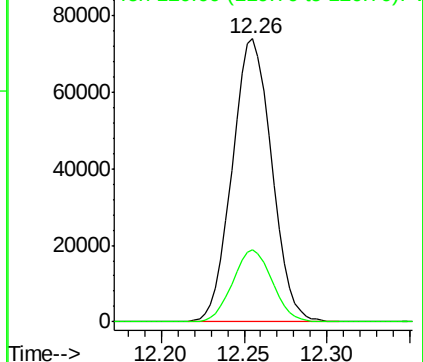
105 100

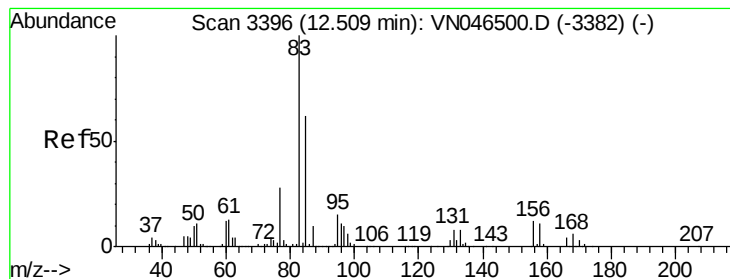
120 25.5 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 9.81 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

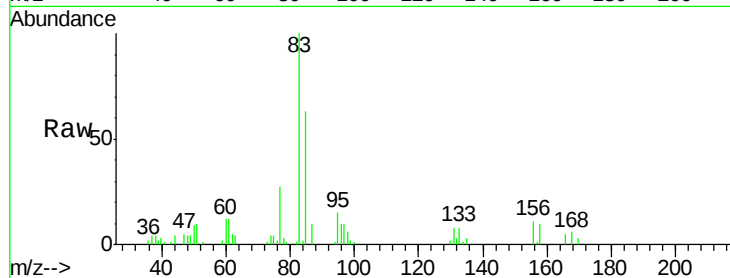
Tgt Ion: 83 Resp: 31389

Ion Ratio Lower Upper

83 100

131 8.3 4.5 13.5

85 63.0 32.4 97.2

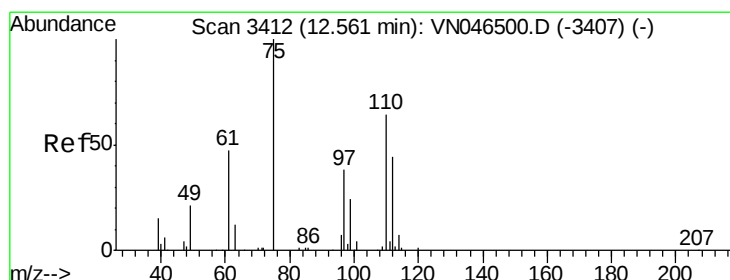
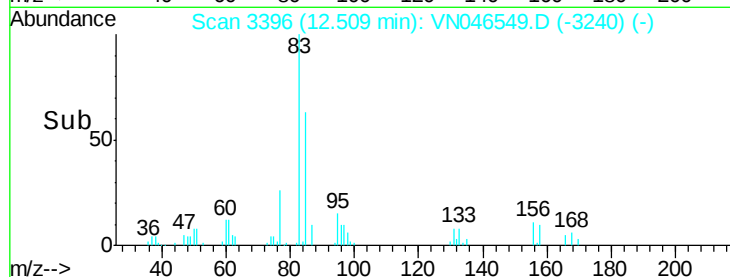


Abundance Ion 83.00 (82.70 to 83.70): VN046500.D (-3382) (-)

Ion 131.00 (130.70 to 131.70): VN046500.D (-3382) (-)

Ion 85.00 (84.70 to 85.70): VN046500.D (-3382) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 15.33 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN046549.D

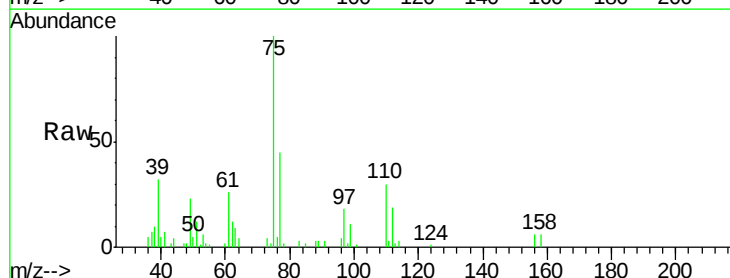
Acq: 24 Jan 2018 17:15

Tgt Ion: 75 Resp: 40391

Ion Ratio Lower Upper

75 100

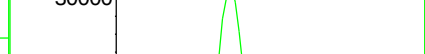
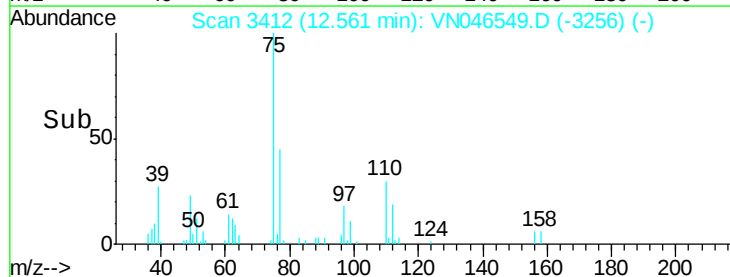
77 157.6 0.0 479.2

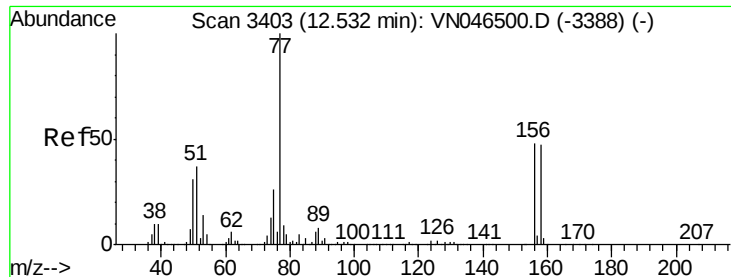


Abundance Ion 75.00 (74.70 to 75.70): VN046500.D (-3407) (-)

Ion 77.00 (76.70 to 77.70): VN046500.D (-3407) (-)

Time-->





#73

Bromobenzene

Concen: 9.55 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

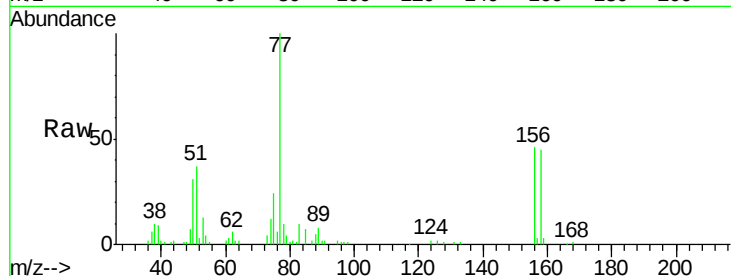
Tgt Ion:156 Resp: 24852

Ion Ratio Lower Upper

156 100

77 256.1 0.0 516.8

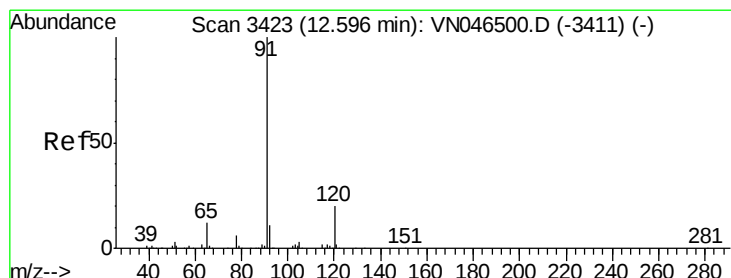
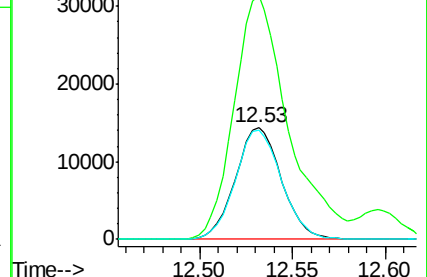
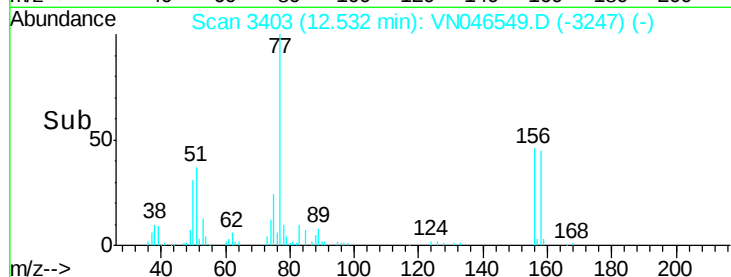
158 97.8 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 9.80 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN046549.D

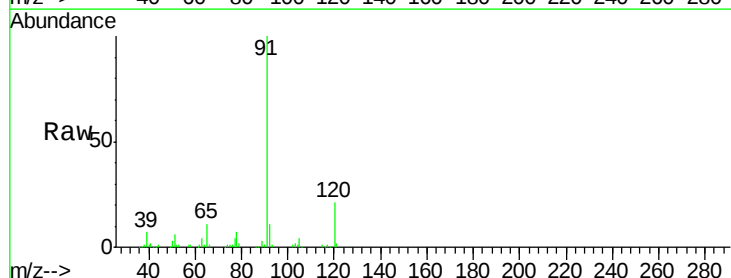
Acq: 24 Jan 2018 17:15

Tgt Ion: 91 Resp: 152309

Ion Ratio Lower Upper

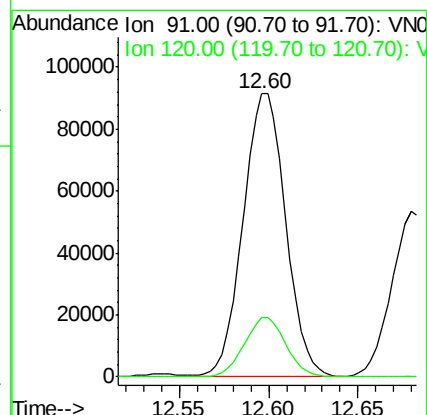
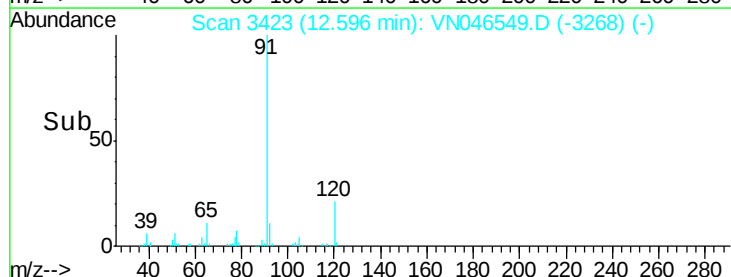
91 100

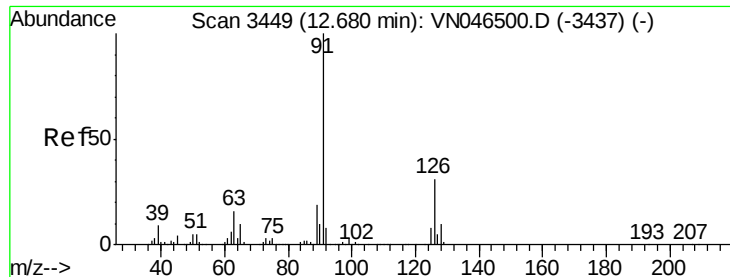
120 20.4 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 9.77 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

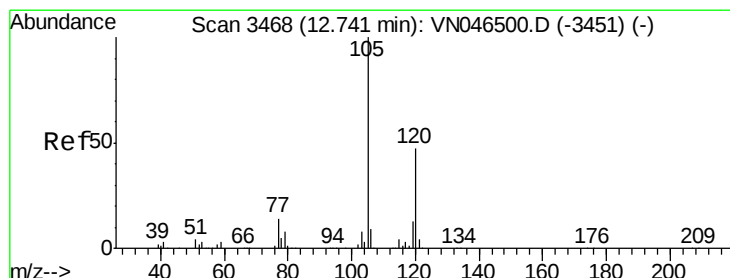
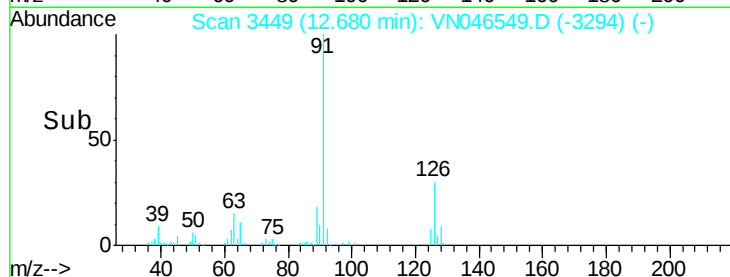
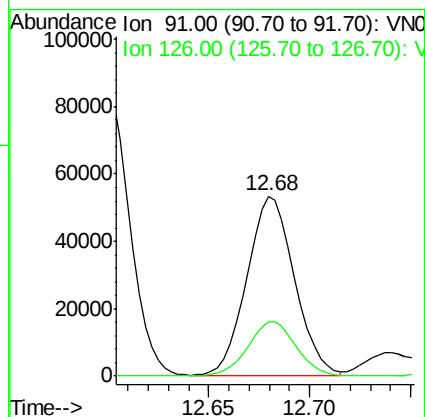
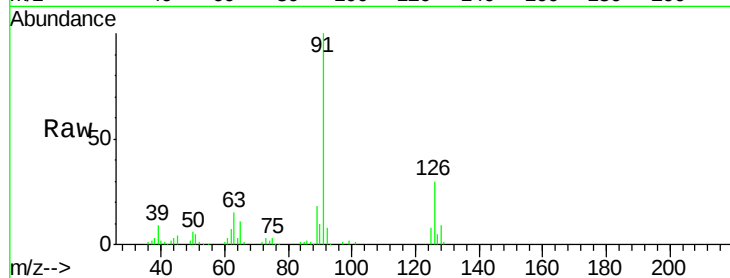
LOQ-WATER-02-QT1-2018

Tgt Ion: 91 Resp: 88505

Ion Ratio Lower Upper

91 100

126 30.5 0.0 60.2



#76

1,3,5-Trimethylbenzene

Concen: 9.72 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. -0.00 min

Lab File: VN046549.D

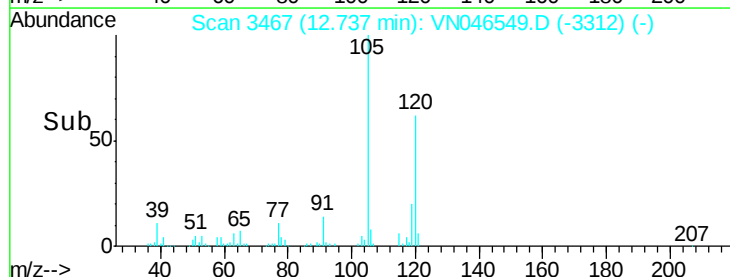
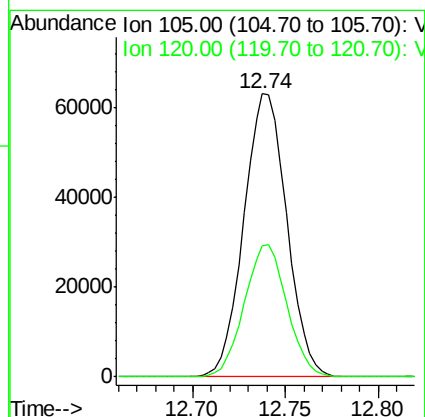
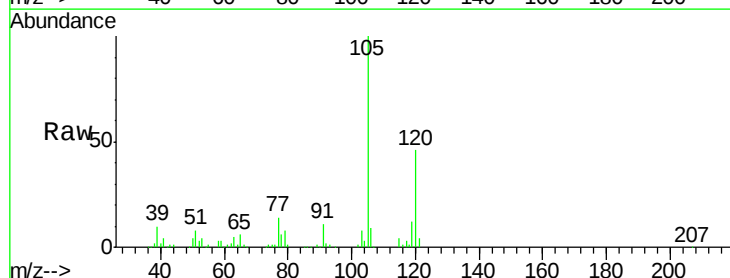
Acq: 24 Jan 2018 17:15

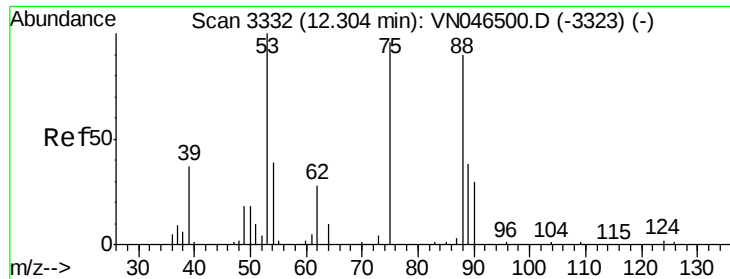
Tgt Ion: 105 Resp: 101907

Ion Ratio Lower Upper

105 100

120 46.1 0.0 93.4





#77

t-1,4-Dichloro-2-butene

Concen: 9.47 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

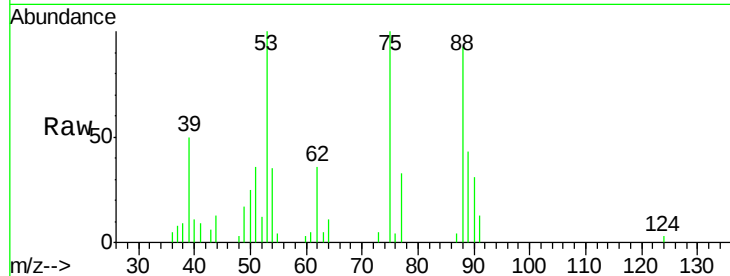
Tgt Ion: 75 Resp: 9452

Ion Ratio Lower Upper

75 100

53 99.9 46.8 140.3

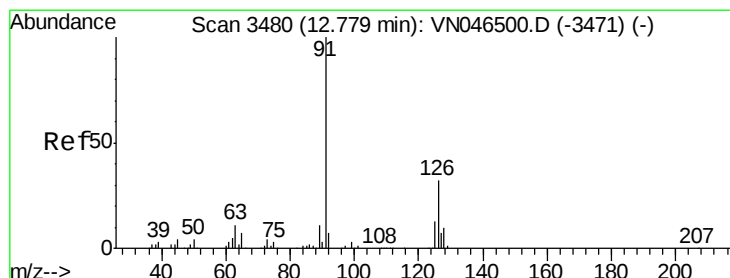
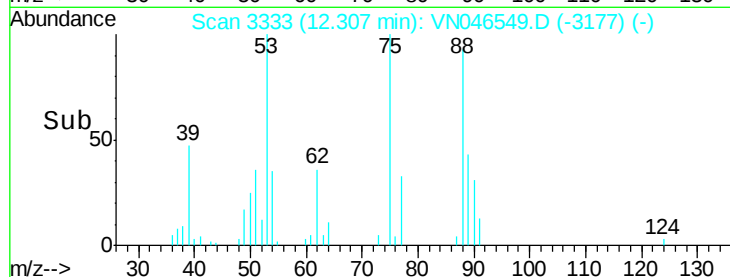
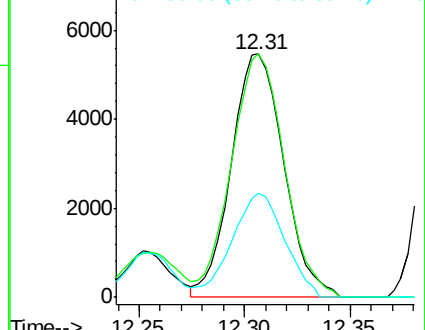
89 42.7 20.2 60.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 9.52 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN046549.D

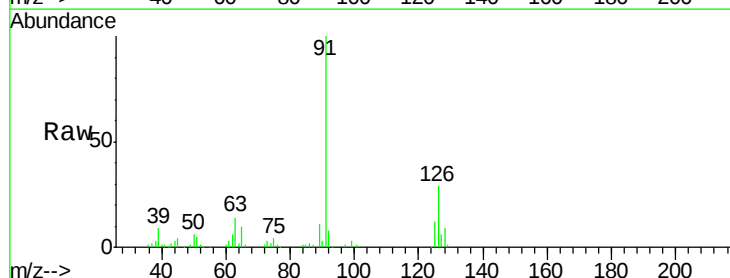
Acq: 24 Jan 2018 17:15

Tgt Ion: 91 Resp: 88157

Ion Ratio Lower Upper

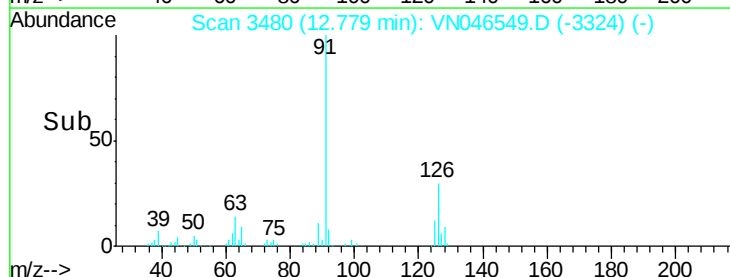
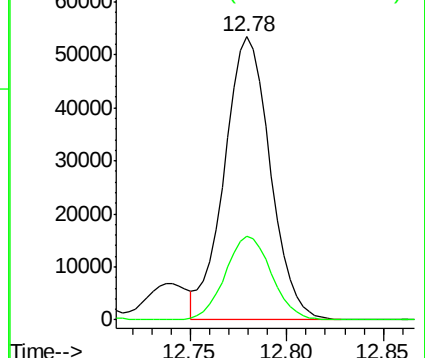
91 100

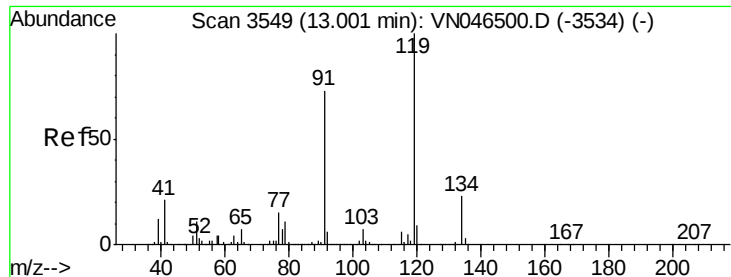
126 29.7 0.0 58.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

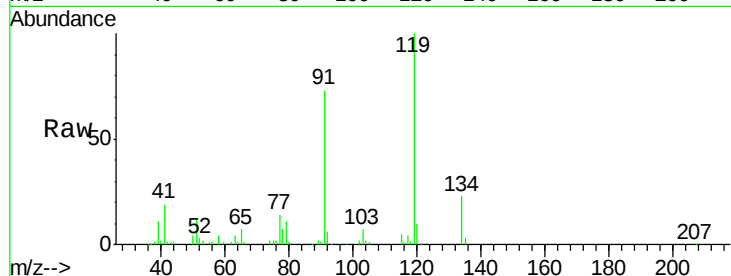




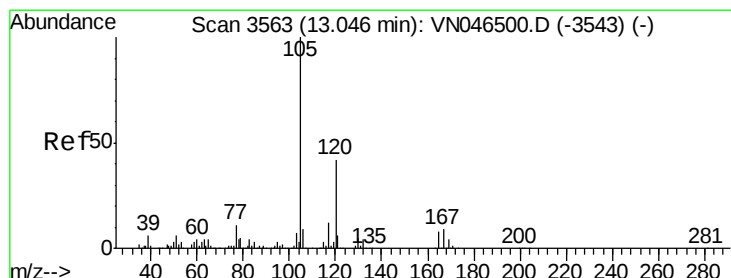
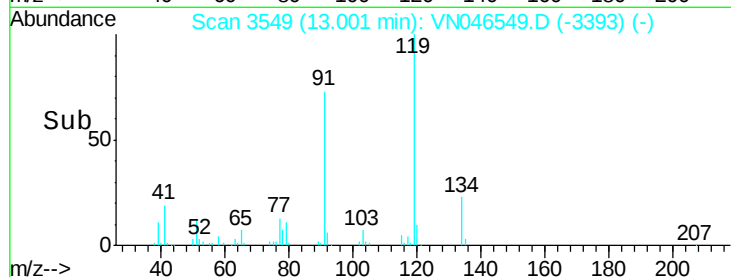
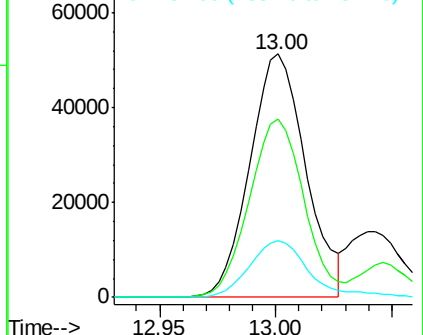
#79
tert-butylbenzene
Concen: 9.86 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

Tgt Ion:119 Resp: 86243
Ion Ratio Lower Upper
119 100
91 71.9 0.0 143.4
134 24.8 0.0 48.4

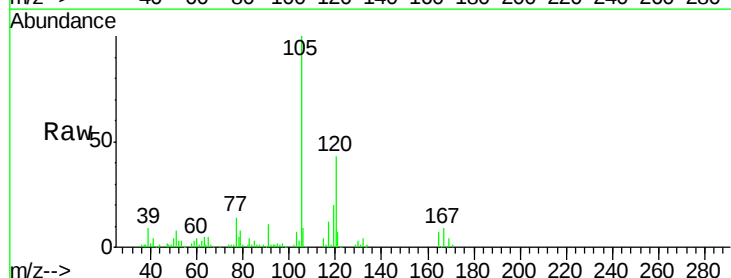


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

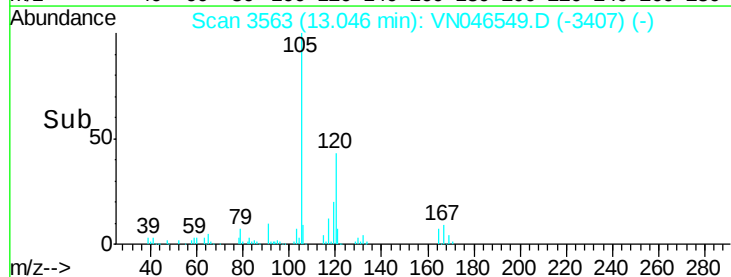
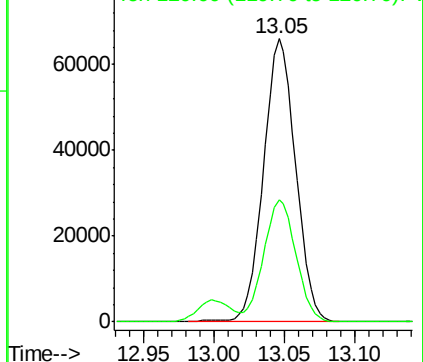


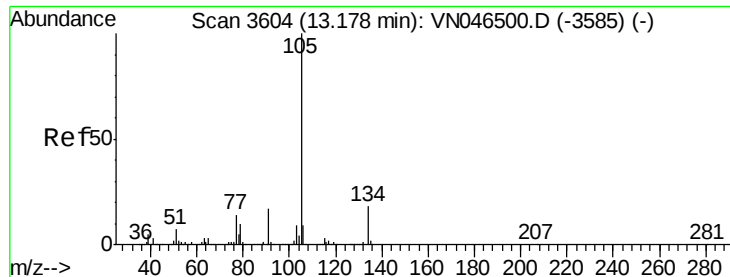
#80
1,2,4-Trimethylbenzene
Concen: 9.89 ug/l
RT: 13.05 min Scan# 3563
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion:105 Resp: 104840
Ion Ratio Lower Upper
105 100
120 43.4 0.0 0.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 9.82 ug/l

RT: 13.18 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

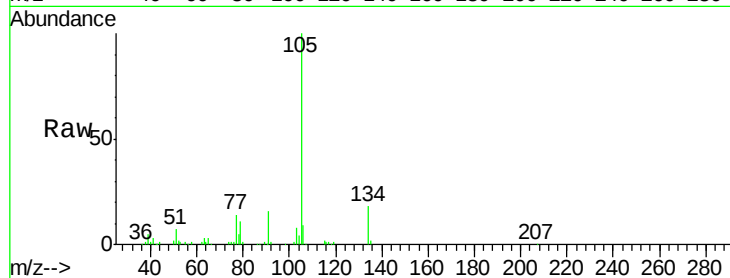
LOQ-WATER-02-QT1-2018

Tgt Ion:105 Resp: 124347

Ion Ratio Lower Upper

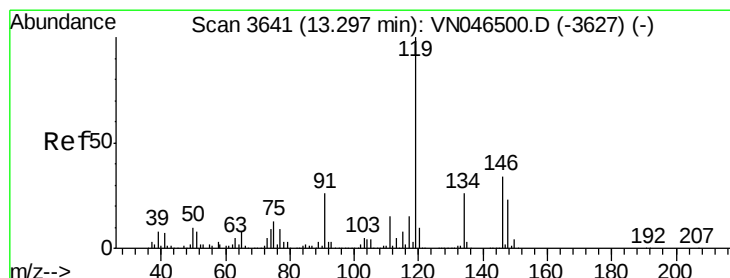
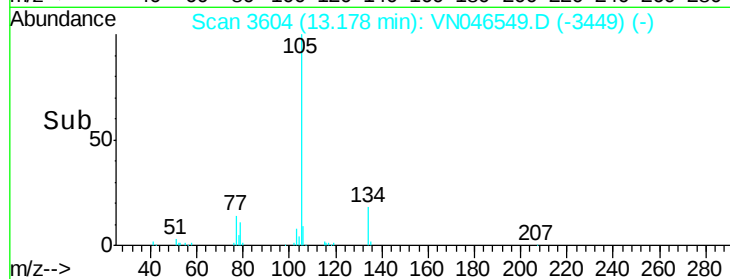
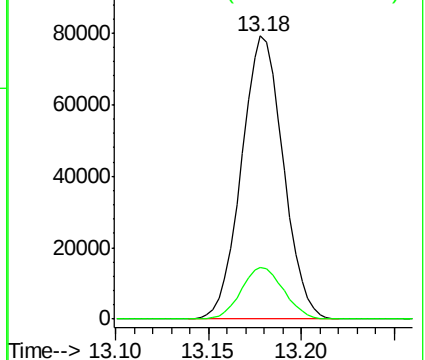
105 100

134 18.5 0.0 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 9.88 ug/l

RT: 13.30 min Scan# 3641

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

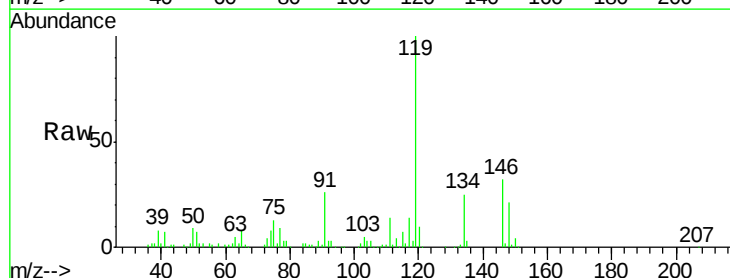
Tgt Ion:119 Resp: 104726

Ion Ratio Lower Upper

119 100

134 25.2 0.0 50.4

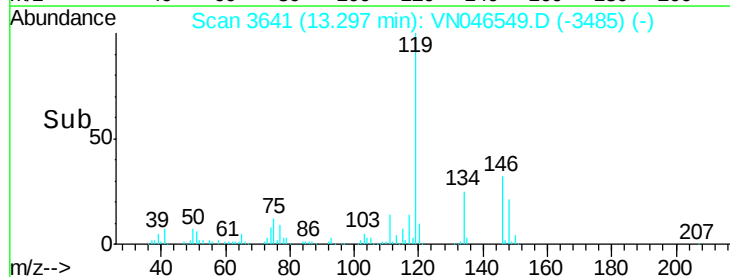
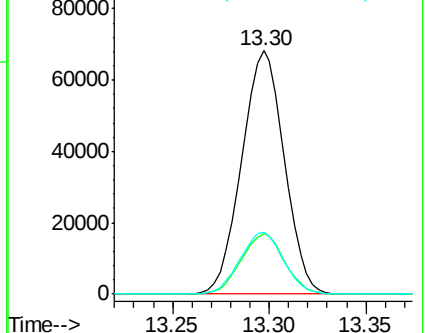
91 25.8 0.0 51.4

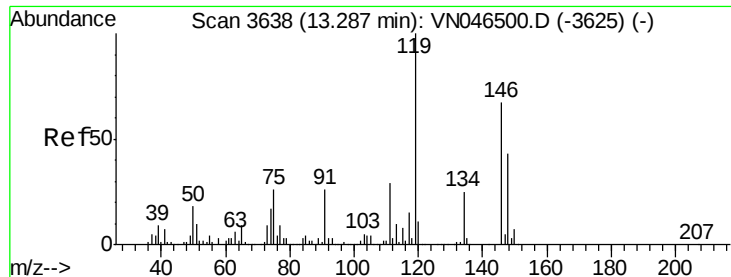


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

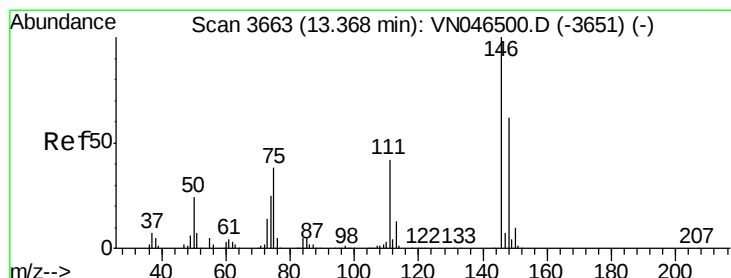
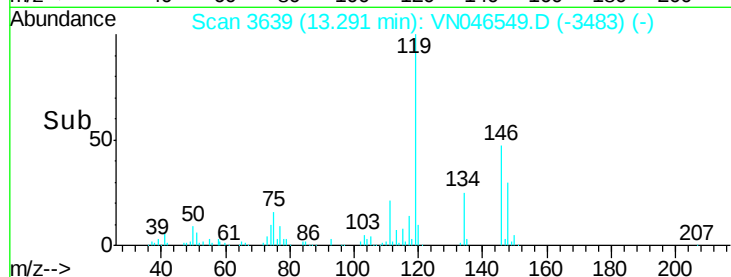
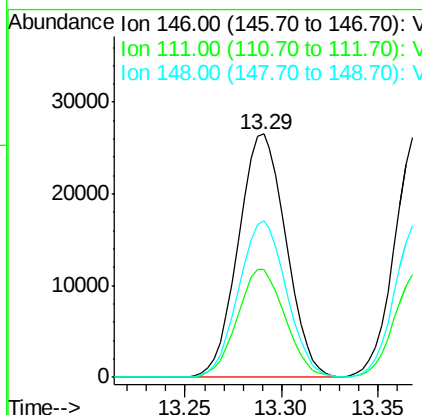
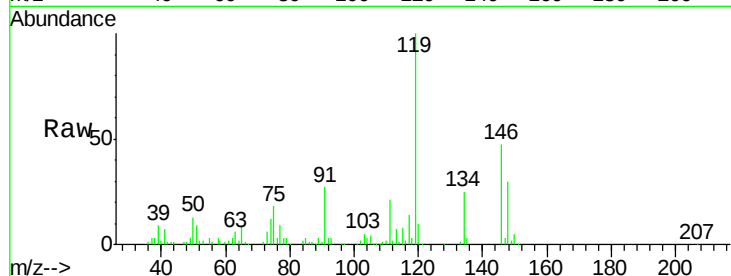




#83
 1,3-Dichlorobenzene
 Concen: 9.48 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

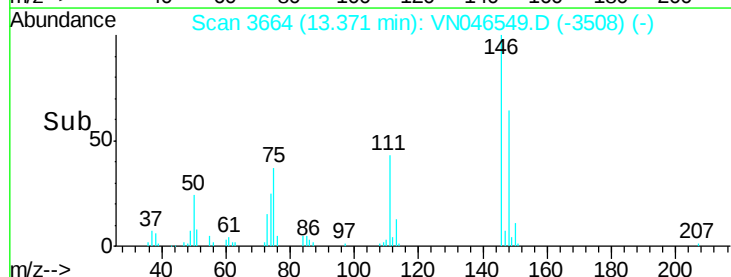
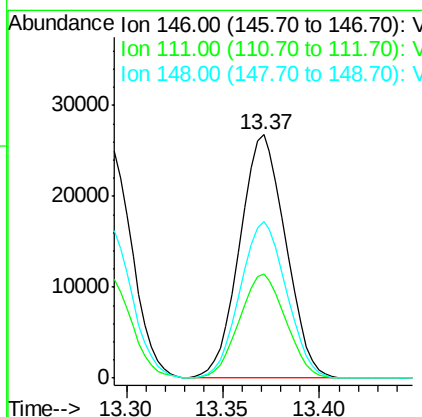
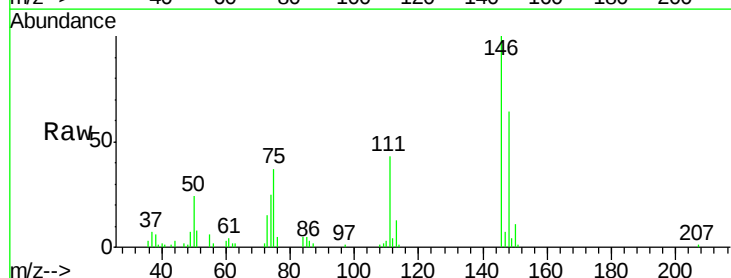
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

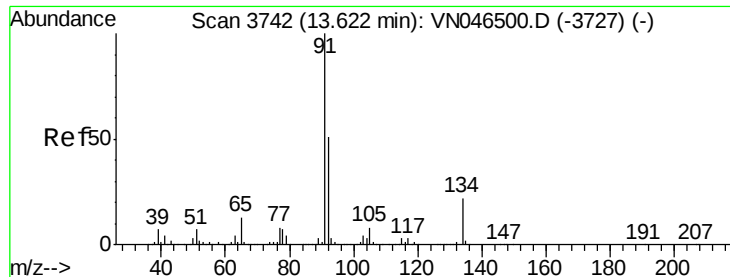
Tgt Ion:146 Resp: 45518
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.3 66.9
 148 64.1 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 9.41 ug/l
 RT: 13.37 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion:146 Resp: 44406
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.6 64.8
 148 64.7 31.8 95.3

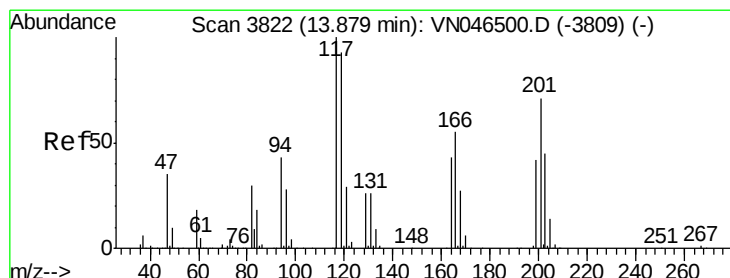
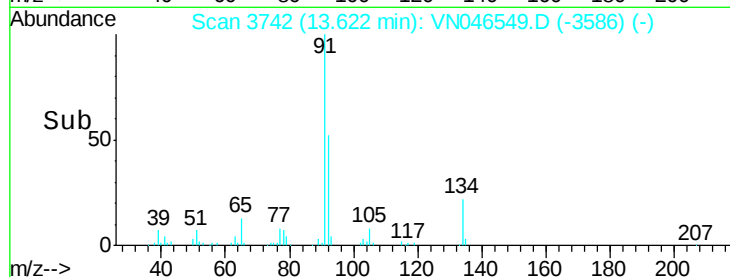
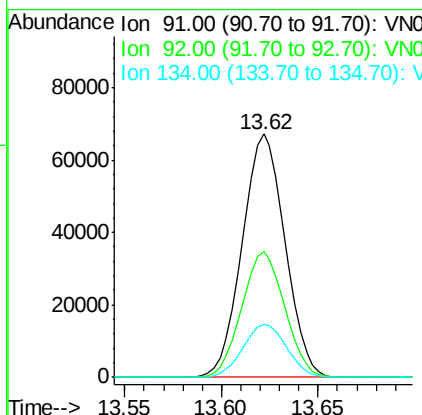
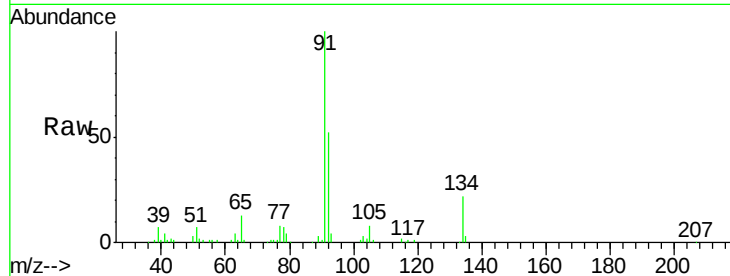




#85
n-Butylbenzene
Concen: 9.68 ug/l
RT: 13.62 min Scan# 3742
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

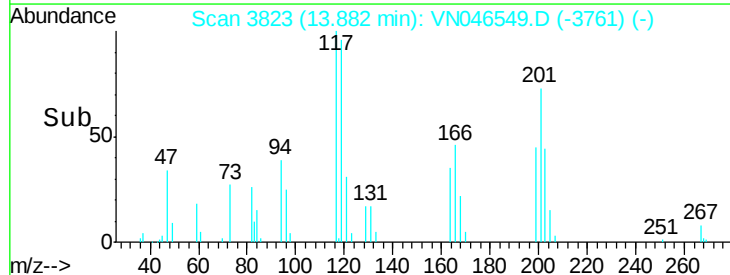
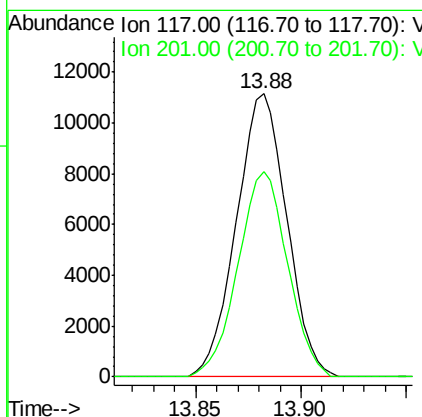
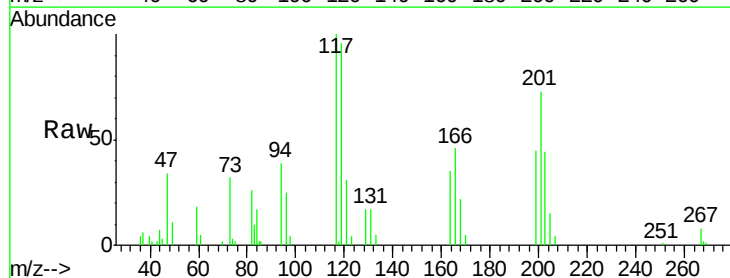
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

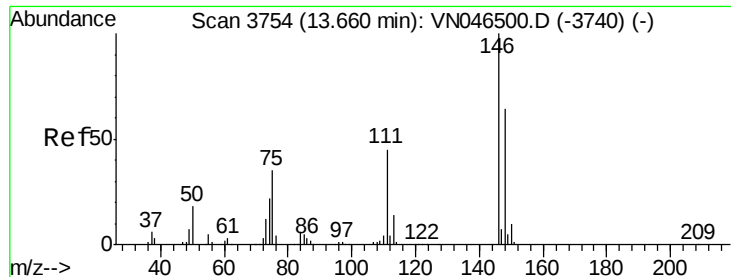
Tgt Ion: 91 Resp: 103532
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.6
134 22.2 0.0 44.6



#86
Hexachloroethane
Concen: 9.38 ug/l
RT: 13.88 min Scan# 3823
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion: 117 Resp: 18510
Ion Ratio Lower Upper
117 100
201 71.5 35.0 105.1





#87

1,2-Dichlorobenzene

Concen: 9.63 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2018

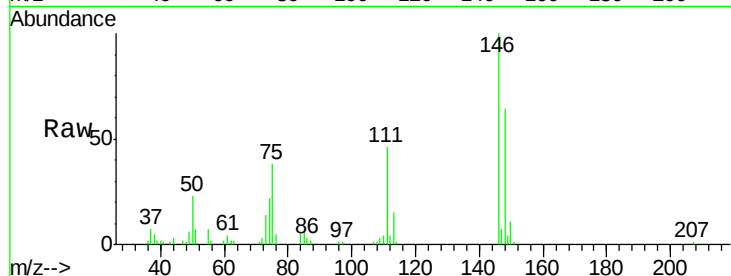
Tgt Ion:146 Resp: 44482

Ion Ratio Lower Upper

146 100

111 47.0 22.9 68.8

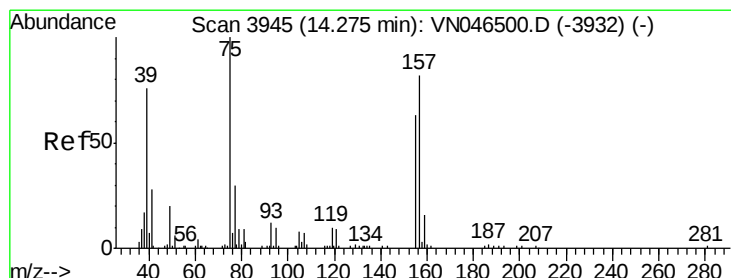
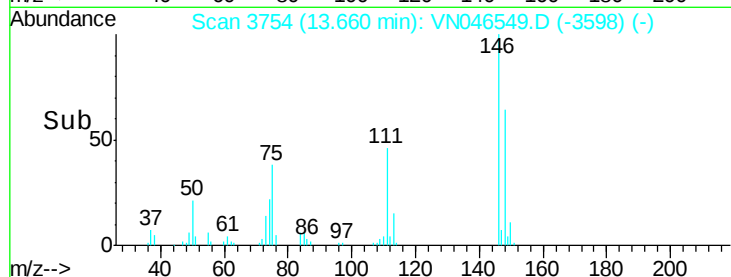
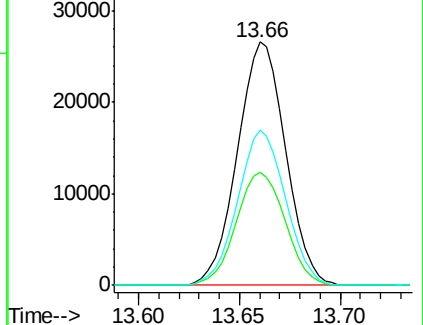
148 63.6 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 8.84 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046549.D

Acq: 24 Jan 2018 17:15

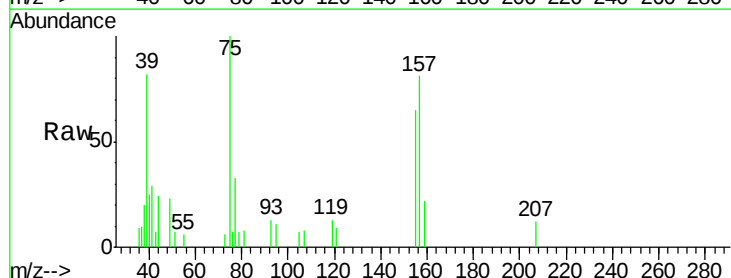
Tgt Ion: 75 Resp: 5099

Ion Ratio Lower Upper

75 100

155 64.8 52.6 79.0

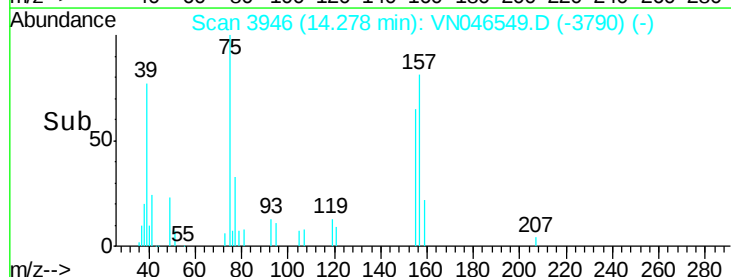
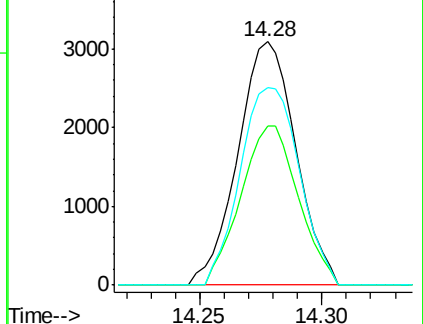
157 83.1 67.3 100.9

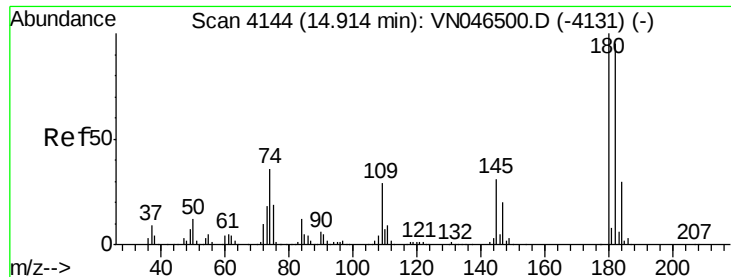


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

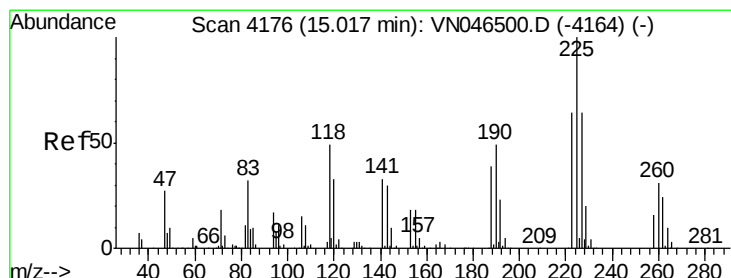
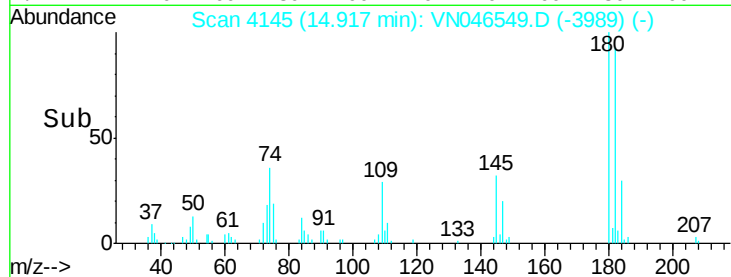
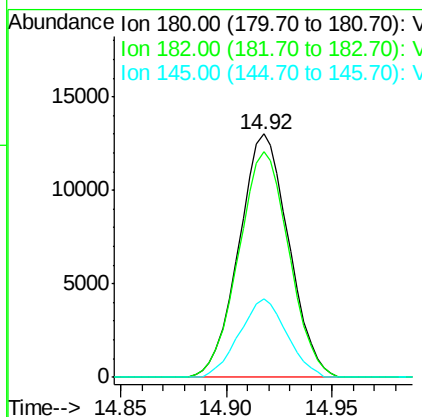
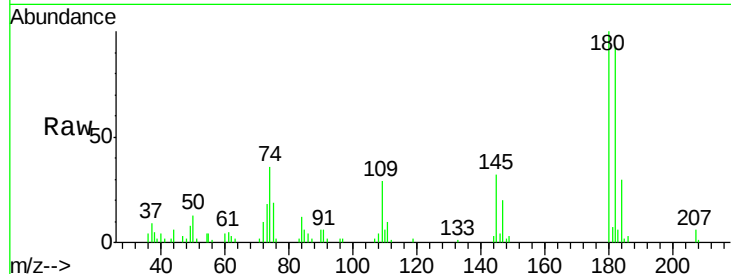




#89
 1,2,4-Trichlorobenzene
 Concen: 7.84 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

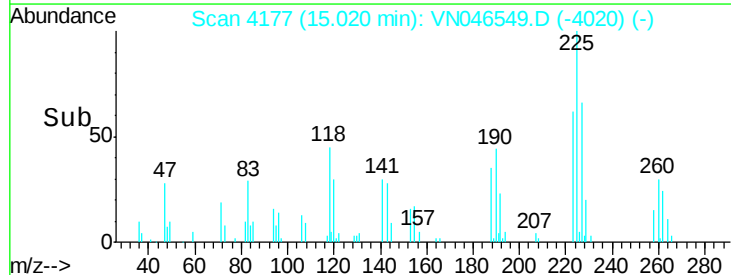
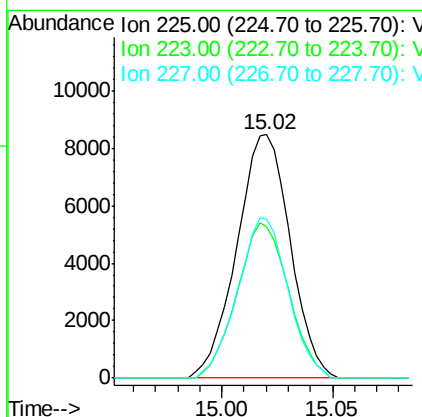
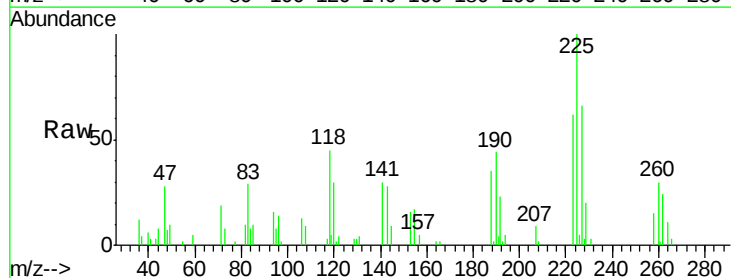
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2018

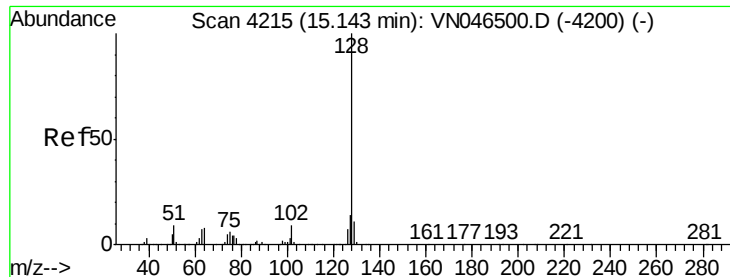
Tgt Ion:180 Resp: 21325
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.7 113.5
 145 30.8 25.2 37.8



#90
 Hexachlorobutadiene
 Concen: 9.79 ug/l
 RT: 15.02 min Scan# 4177
 Delta R.T. 0.00 min
 Lab File: VN046549.D
 Acq: 24 Jan 2018 17:15

Tgt Ion:225 Resp: 14234
 Ion Ratio Lower Upper
 225 100
 223 61.7 0.0 123.6
 227 62.2 0.0 128.2

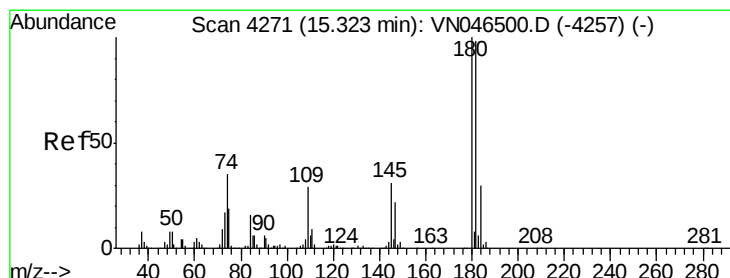
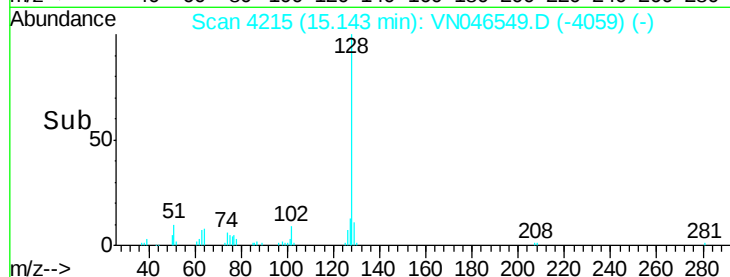
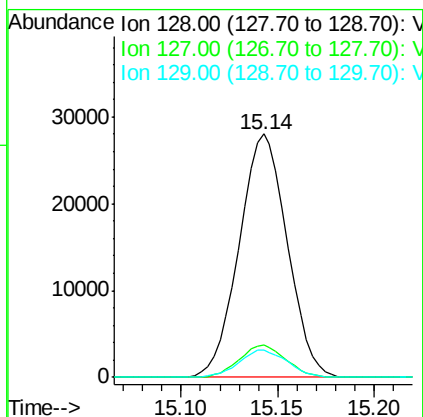
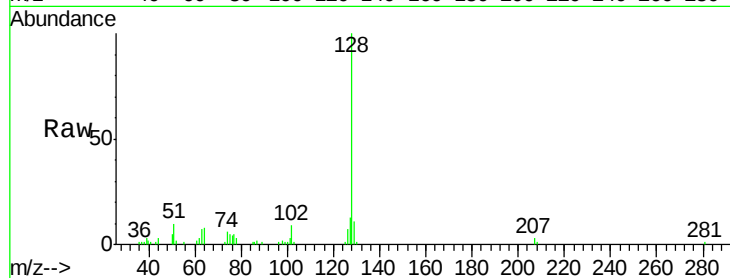




#91
Naphthalene
Concen: 7.46 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2018

Tgt Ion:128 Resp: 48563
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.2 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 8.05 ug/l
RT: 15.32 min Scan# 4271
Delta R.T. 0.00 min
Lab File: VN046549.D
Acq: 24 Jan 2018 17:15

Tgt Ion:180 Resp: 21023
Ion Ratio Lower Upper
180 100
182 94.5 0.0 190.8
145 33.5 0.0 68.4

