

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049794.D
 Acq On : 13 Jul 2018 13:58
 Operator : MD\SY
 Sample : J3762-08 LOO 2ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Quant Time: Jul 13 23:48:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1059268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1642563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1432236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	664331	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.59	113	619161	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	1939384	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
62) 4-Bromofluorobenzene	12.40	95	612259	40.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	24157	1.36	ug/l	96
3) Chloromethane	2.06	50	32039	1.56	ug/l	97
4) Vinyl Chloride	2.18	62	34375	1.94	ug/l	90
5) Bromomethane	2.57	94	25422	1.87	ug/l	92
6) Chloroethane	2.70	64	20996	2.23	ug/l	99
7) Trichlorofluoromethane	3.01	101	49168	2.45	ug/l	95
8) Diethyl Ether	3.42	74	15702	2.18	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	29441	2.26	ug/l	97
10) Methyl Iodide	3.96	142	30482	1.84	ug/l #	96
11) Tert butyl alcohol	4.79	59	8609	10.44	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	25887	2.26	ug/l	93
13) Acrolein	3.62	56	11022	15.22	ug/l	89
14) Allyl chloride	4.33	41	39283	2.10	ug/l	97
15) Acrylonitrile	5.00	53	42498	10.29	ug/l	96
16) Acetone	3.83	43	34578	9.40	ug/l	94
17) Carbon Disulfide	4.05	76	71136	2.01	ug/l	99
18) Methyl Acetate	4.34	43	34747	2.68	ug/l #	82
19) Methyl tert-butyl Ether	5.05	73	64153	2.02	ug/l	95
20) Methylene Chloride	4.56	84	33717	1.78	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	27387	2.19	ug/l	95
22) Diisopropyl ether	5.96	45	72000	1.88	ug/l	95
23) Vinyl Acetate	5.91	43	242955	9.44	ug/l	99
24) 1,1-Dichloroethane	5.85	63	52035	2.16	ug/l	97
25) 2-Butanone	6.85	43	46697	9.72	ug/l	98
26) 2,2-Dichloropropane	6.83	77	42186	2.11	ug/l	80
27) cis-1,2-Dichloroethene	6.84	96	30286	2.12	ug/l	98
29) Tetrahydrofuran	7.22	42	27299	9.05	ug/l	100
30) Chloroform	7.37	83	55645	2.24	ug/l	95
31) Cyclohexane	7.66	56	52829	2.51	ug/l #	61
32) 1,1,1-Trichloroethane	7.58	97	45403	2.15	ug/l	97
36) 1,1-Dichloropropene	7.79	75	37221	1.97	ug/l	83
37) Ethyl Acetate	6.94	43	21629	1.93	ug/l #	96
38) Carbon Tetrachloride	7.77	117	43525	2.20	ug/l	99
39) Methylcyclohexane	9.08	83	36126	1.81	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.05	78	117850	2.08	ug/l	98
41) Methacrylonitrile	7.18	41	10907	1.72	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	38047	2.05	ug/l	99
43) Isopropyl Acetate	8.17	43	36974	1.84	ug/l	95
44) Trichloroethene	8.84	130	32105	2.11	ug/l	100
45) 1,2-Dichloropropane	9.12	63	29513	1.94	ug/l	95
46) Dibromomethane	9.21	93	18779	2.08	ug/l	96
47) Bromodichloromethane	9.41	83	41865	2.10	ug/l	98
48) Methyl methacrylate	9.20	41	17059	1.69	ug/l	97
49) 1,4-Dioxane	9.20	88	4555	34.53	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	97500	8.92	ug/l	97
52) Toluene	10.16	92	69042	2.04	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	34586	1.81	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	39583	1.82	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	30510	1.72	ug/l	95
56) Ethyl methacrylate	10.43	69	25217	1.65	ug/l	97
57) 1,3-Dichloropropane	10.71	76	43633	2.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	55083	7.51	ug/l	99
59) 2-Hexanone	10.76	43	60361	8.30	ug/l	89
60) Dibromochloromethane	10.90	129	28316	1.91	ug/l	93
61) 1,2-Dibromoethane	11.01	107	24722	2.00	ug/l	91
64) Tetrachloroethene	10.63	164	27971	2.15	ug/l	98
65) Chlorobenzene	11.44	112	76983	2.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	30079	2.14	ug/l	98
67) Ethyl Benzene	11.51	91	114518	1.87	ug/l	98
68) m/p-Xylenes	11.63	106	78070	3.40	ug/l	99
69) o-Xylene	11.95	106	38570	1.74	ug/l	99
70) Stvrene	11.97	104	54875	1.56	ug/l	98
71) Bromoform	12.13	173	17546	1.85	ug/l #	99
73) Isopropylbenzene	12.25	105	98077	1.97	ug/l	98
74) N-amyl acetate	12.07	43	23034	1.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	32249	0.88	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	35440	3.33	ug/l #	100
77) Bromobenzene	12.53	156	31055	2.35	ug/l	98
78) n-propylbenzene	12.59	91	112340	2.00	ug/l	99
79) 2-Chlorotoluene	12.68	91	74550	2.17	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	80791	2.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	296526	89.91	ug/l #	13
82) 4-Chlorotoluene	12.77	91	70408	2.06	ug/l	100
83) tert-Butylbenzene	12.99	119	73277	2.07	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	73286	1.85	ug/l	100
85) sec-Butylbenzene	13.17	105	90731	1.95	ug/l	99
86) p-Isopropyltoluene	13.29	119	72663	1.85	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	47310	2.06	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	46127	2.07	ug/l	88
89) n-Butylbenzene	13.62	91	52646	1.62	ug/l	98
90) Hexachloroethane	13.88	117	17222	1.45	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	48022	2.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4524	2.10	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	14502	4.00	ug/l	99

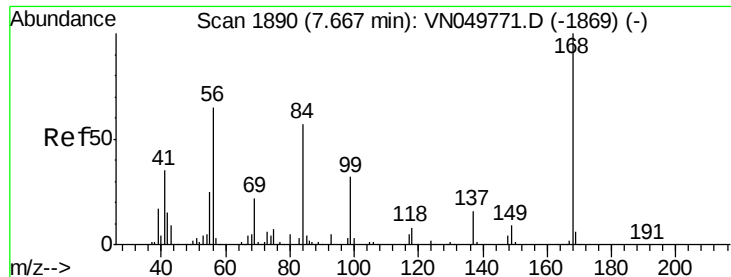
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	15633	1.24	ug/l	93
95) Naphthalene	15.14	128	29049	5.03	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.32	180	16615	1.53	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

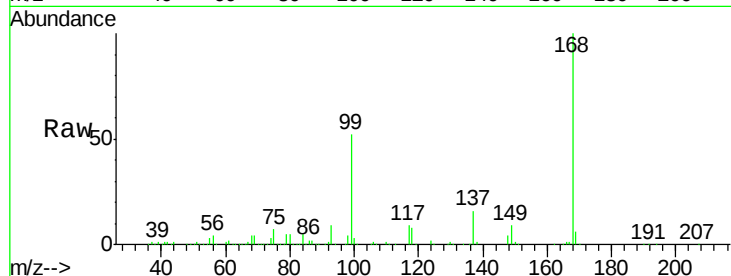
LOQ-WATER-02-QT3-2018

Tot Ion:168 Resp: 1059268

Ion Ratio Lower Upper

168 100

99 51.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

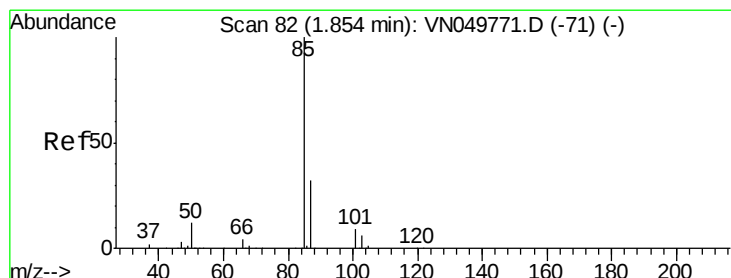
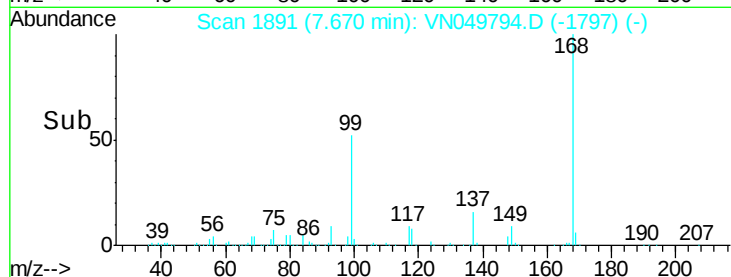
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.36 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049794.D

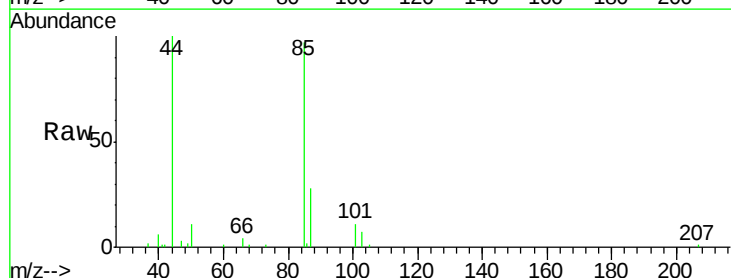
Acq: 13 Jul 2018 13:58

Tgt Ion: 85 Resp: 24157

Ion Ratio Lower Upper

85 100

87 28.7 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

20000

15000

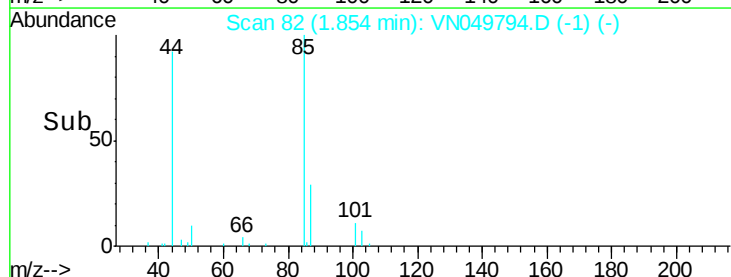
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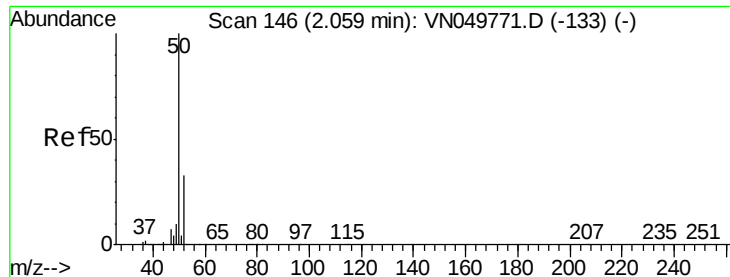
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.56 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

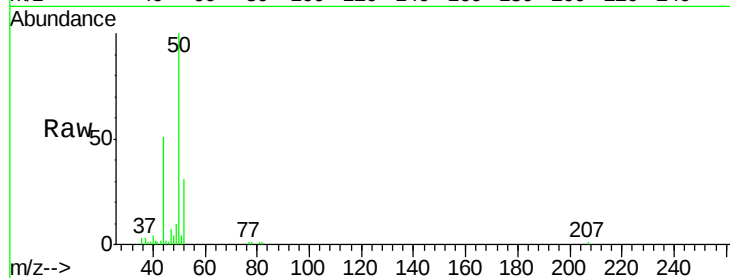
LOQ-WATER-02-QT3-2018

Tot Ion: 50 Resp: 32039

Ion Ratio Lower Upper

50 100

52 31.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

25000

20000

15000

10000

5000

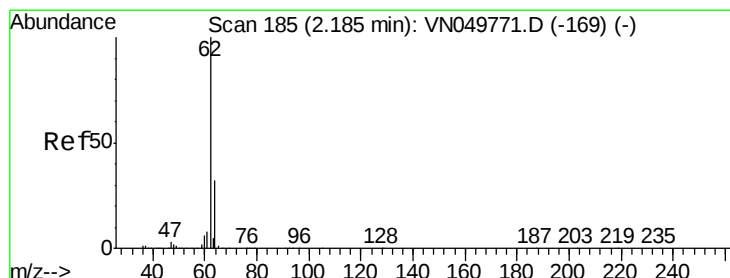
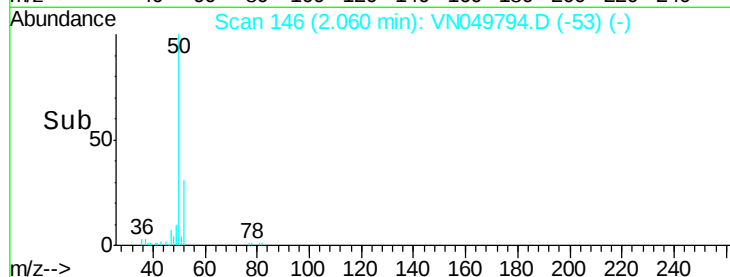
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Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 1.94 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049794.D

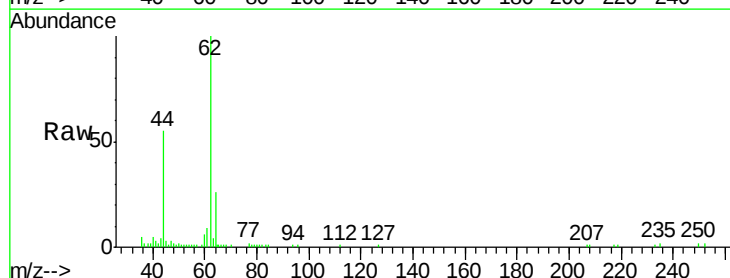
Acq: 13 Jul 2018 13:58

Tgt Ion: 62 Resp: 34375

Ion Ratio Lower Upper

62 100

64 26.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

25000

20000

15000

10000

5000

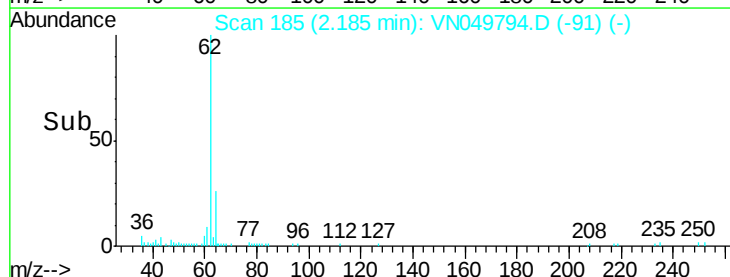
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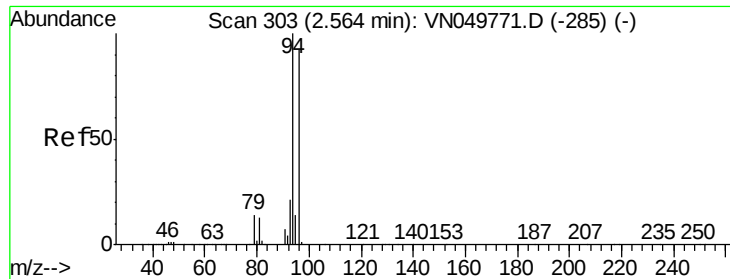
Time-->

2.15

2.20

2.25





#5

Bromomethane

Concen: 1.87 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

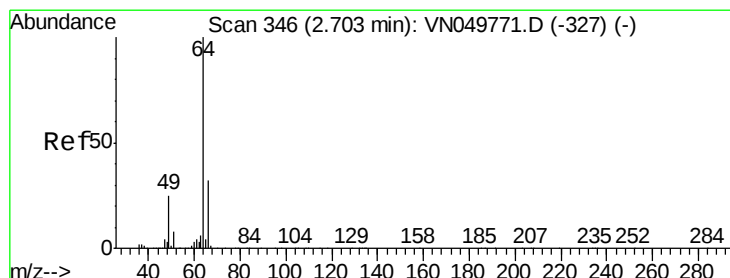
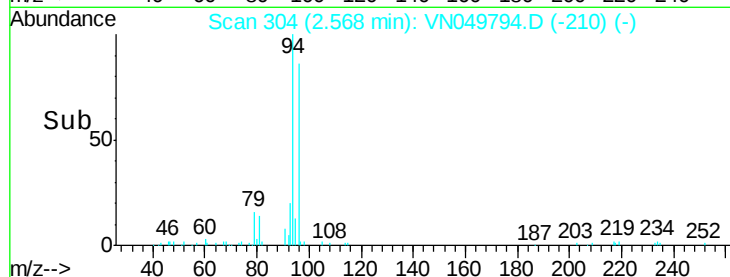
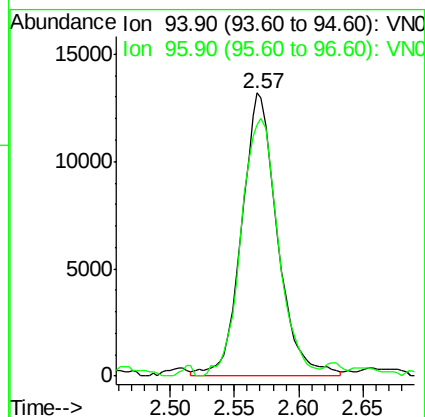
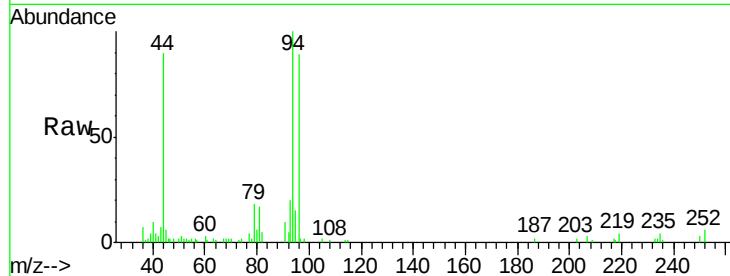
LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 25422

Ion Ratio Lower Upper

94 100

96 86.6 75.7 113.5



#6

Chloroethane

Concen: 2.23 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049794.D

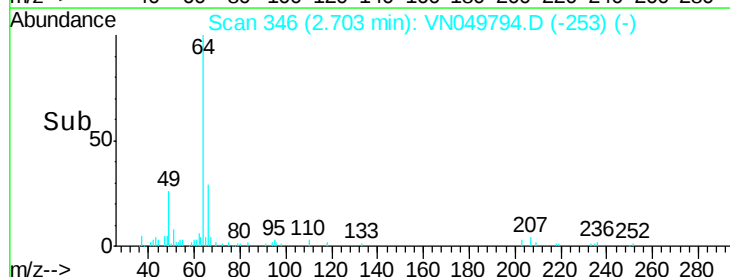
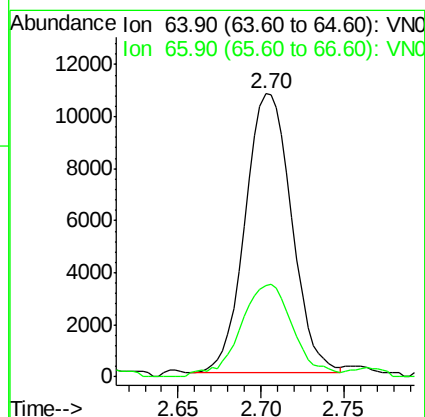
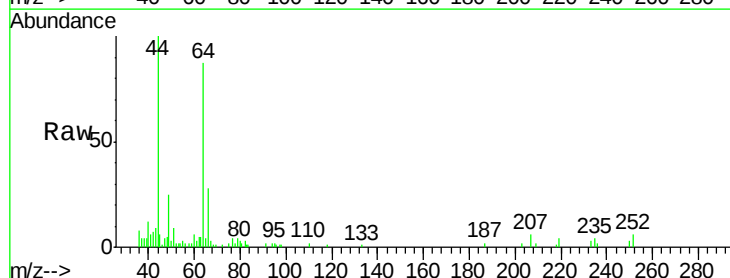
Acq: 13 Jul 2018 13:58

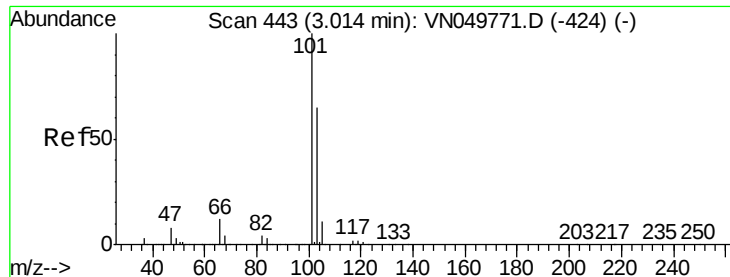
Tgt Ion: 64 Resp: 20996

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

Trichlorofluoromethane

Concen: 2.45 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

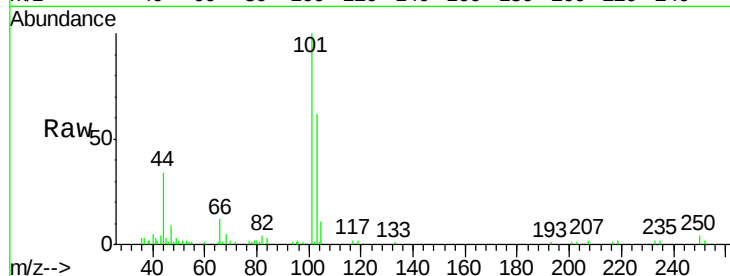
LOQ-WATER-02-QT3-2018

Tot Ion:101 Resp: 49168

Ion Ratio Lower Upper

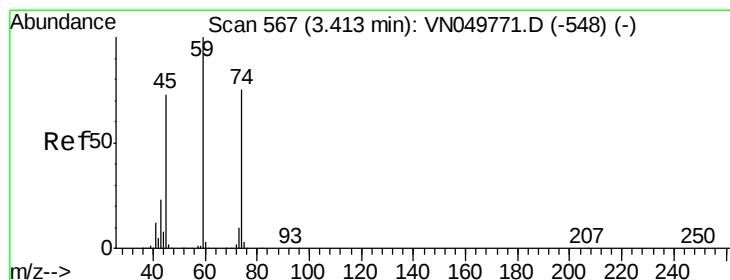
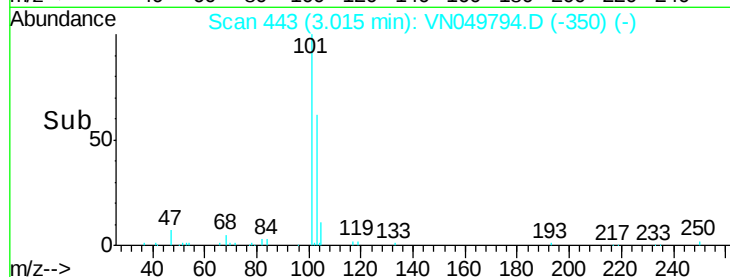
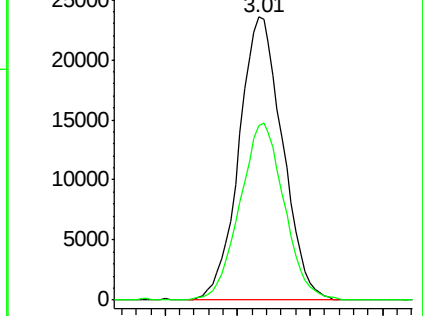
101 100

103 61.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.18 ug/l

RT: 3.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN049794.D

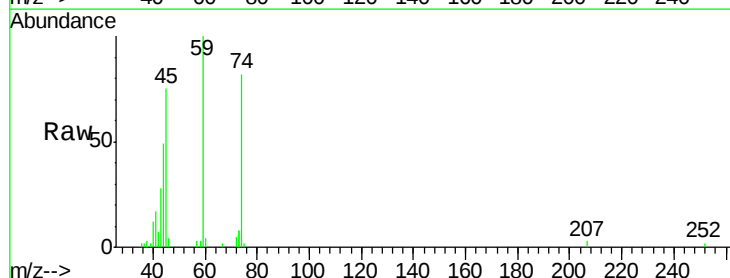
Acq: 13 Jul 2018 13:58

Tgt Ion: 74 Resp: 15702

Ion Ratio Lower Upper

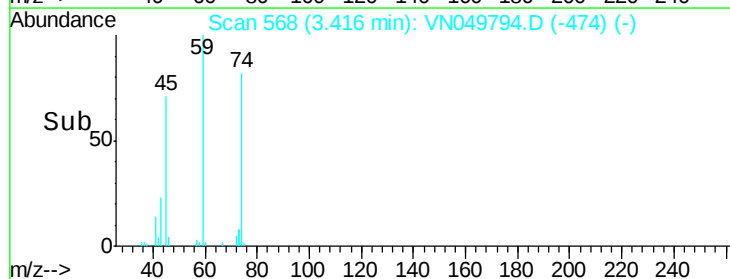
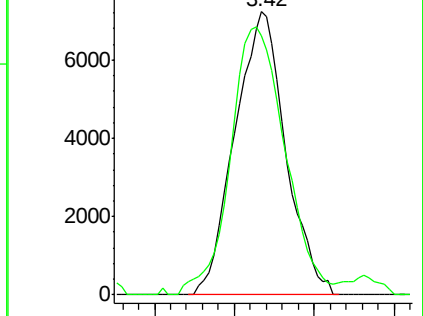
74 100

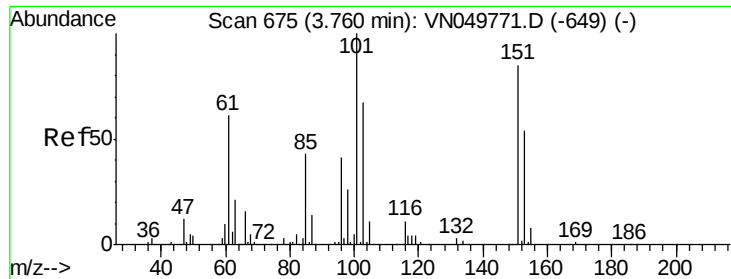
45 101.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.26 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

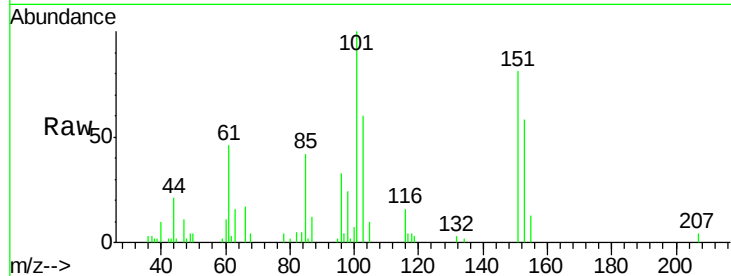
Tot Ion:101 Resp: 29441

Ion Ratio Lower Upper

101 100

85 40.5 34.4 51.6

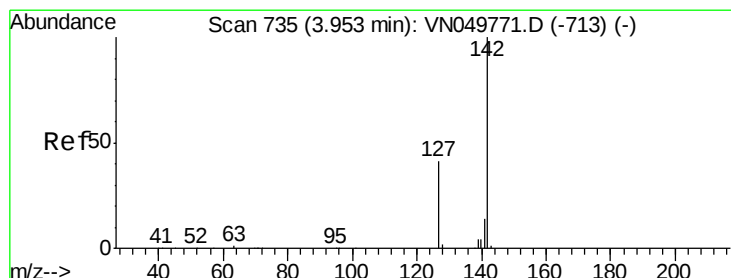
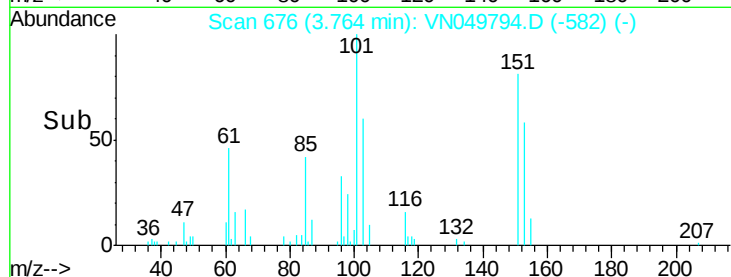
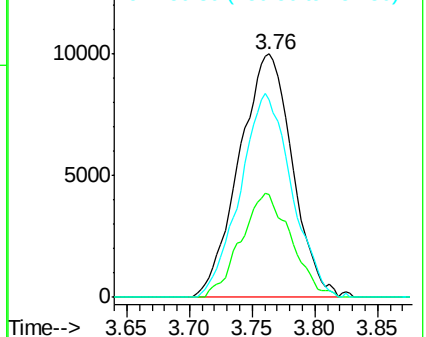
151 81.0 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.84 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

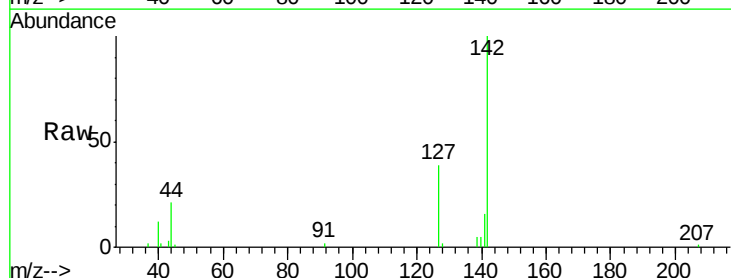
Tgt Ion:142 Resp: 30482

Ion Ratio Lower Upper

142 100

127 39.9 32.5 48.7

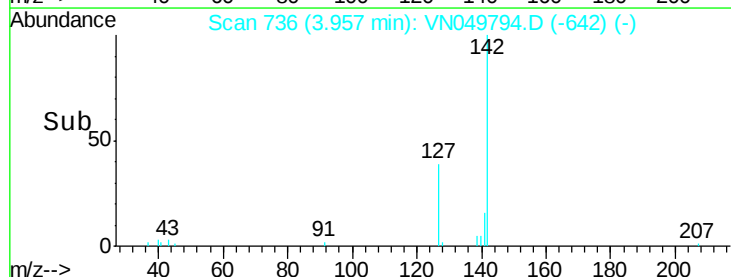
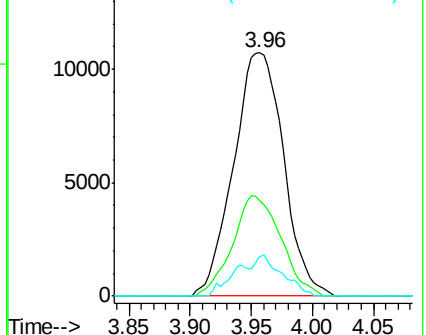
141 9.1 11.1 16.7#

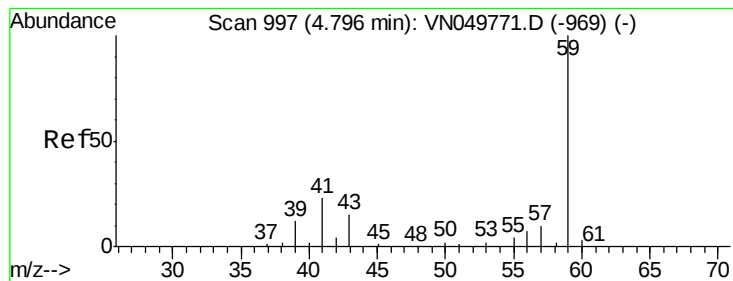


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



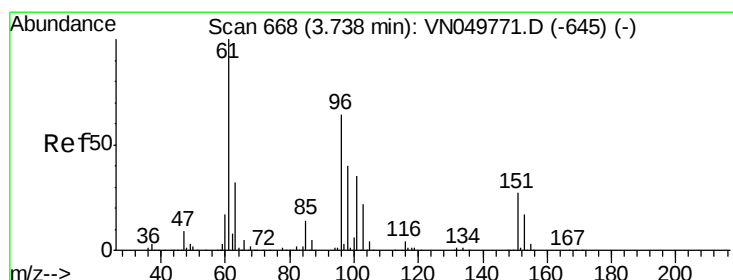
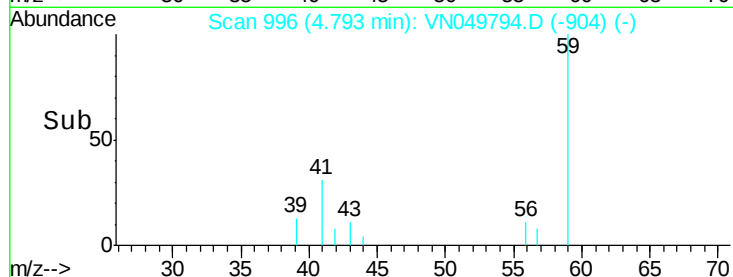
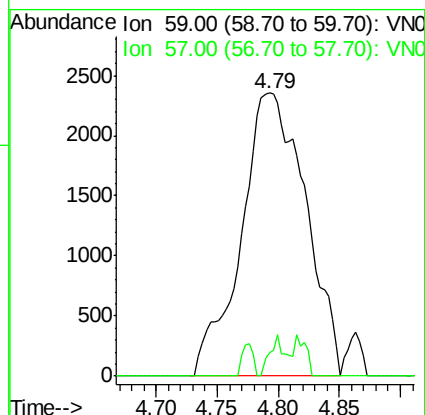
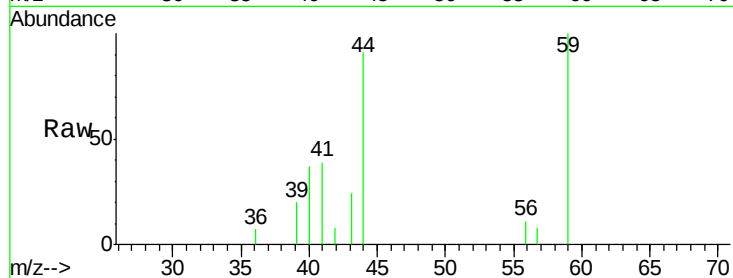


#11

Tert butyl alcohol
 Concen: 10.44 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

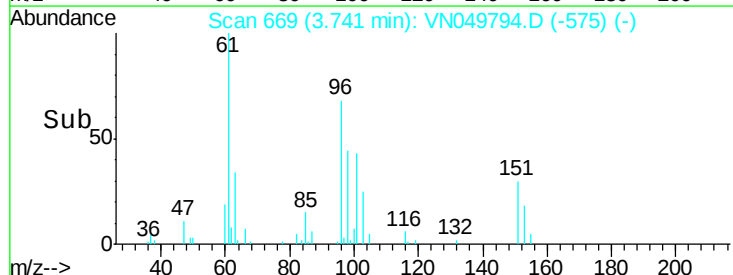
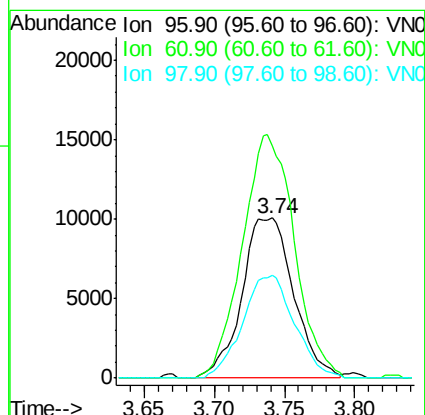
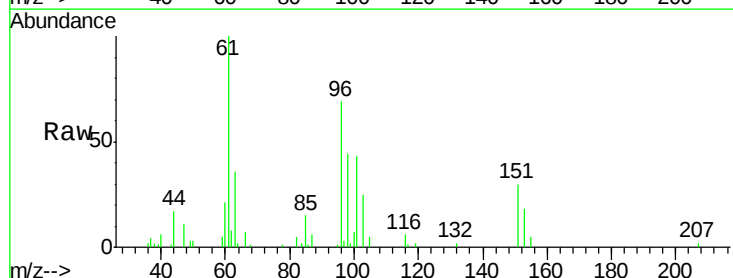
Tot Ion: 59 Resp: 8609
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

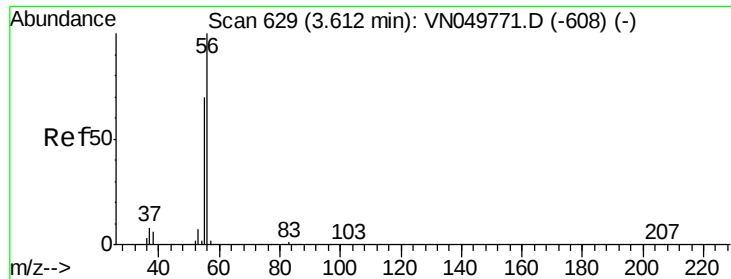


#12

1,1-Dichloroethene
 Concen: 2.26 ug/l
 RT: 3.74 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Tgt Ion: 96 Resp: 25887
 Ion Ratio Lower Upper
 96 100
 61 145.1 126.5 189.7
 98 64.4 51.0 76.6





#13

Acrolein

Concen: 15.22 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

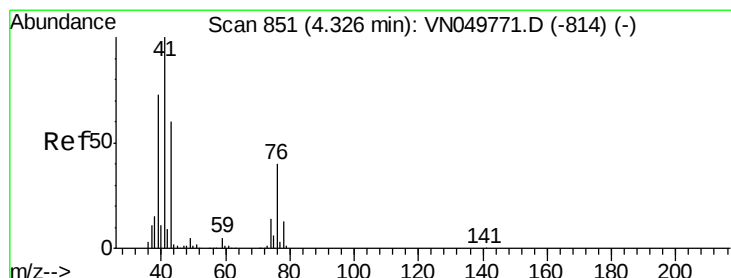
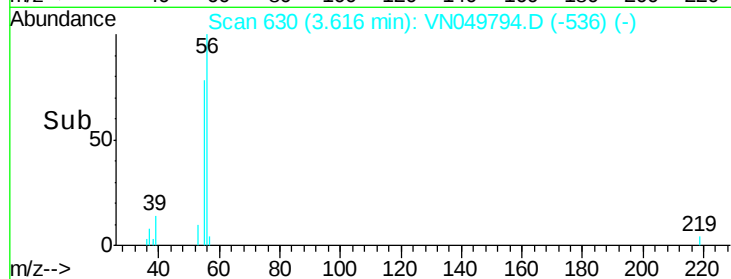
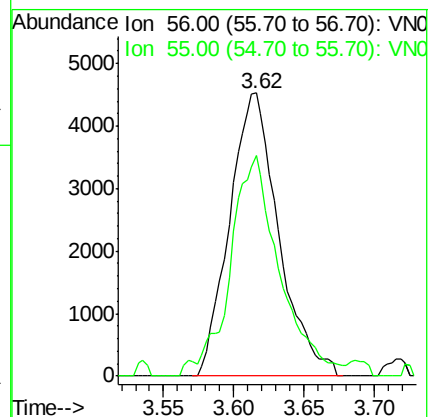
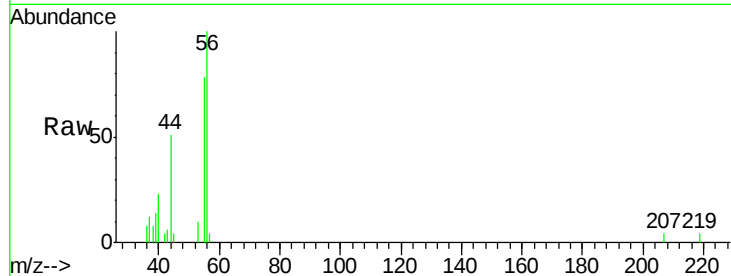
LOQ-WATER-02-QT3-2018

Tot Ion: 56 Resp: 11022

Ion Ratio Lower Upper

56 100

55 78.5 55.8 83.8



#14

Allyl chloride

Concen: 2.10 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

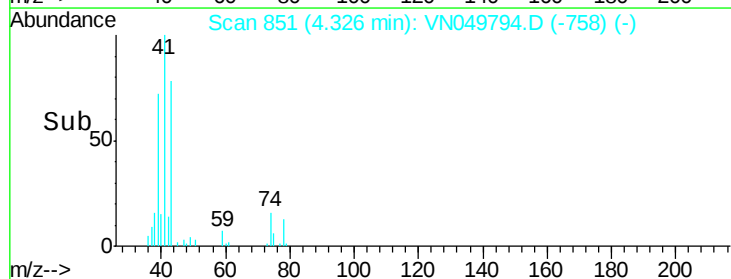
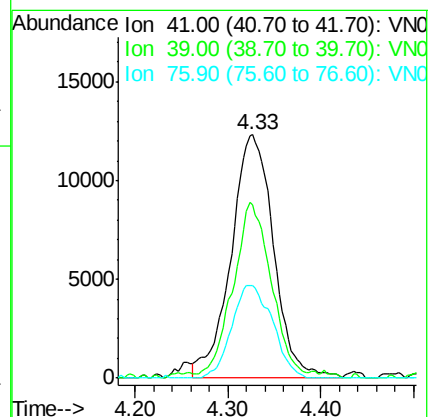
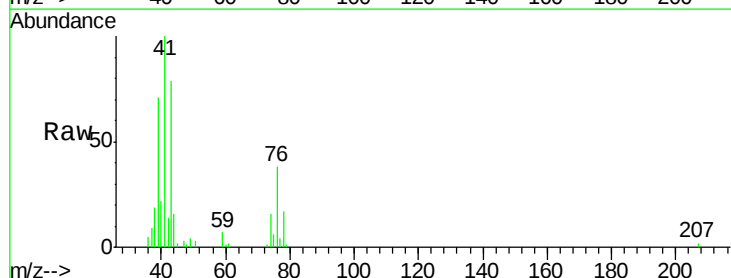
Tgt Ion: 41 Resp: 39283

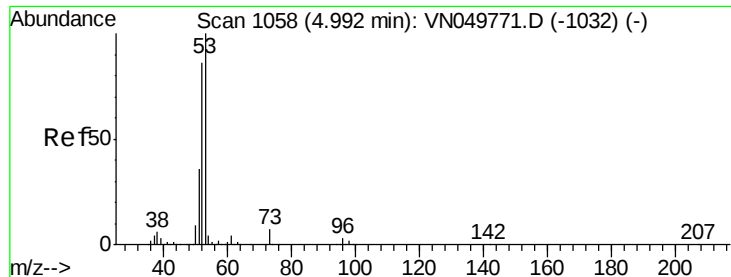
Ion Ratio Lower Upper

41 100

39 62.8 53.2 79.8

76 36.5 29.0 43.6





#15

Acrylonitrile

Concen: 10.29 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

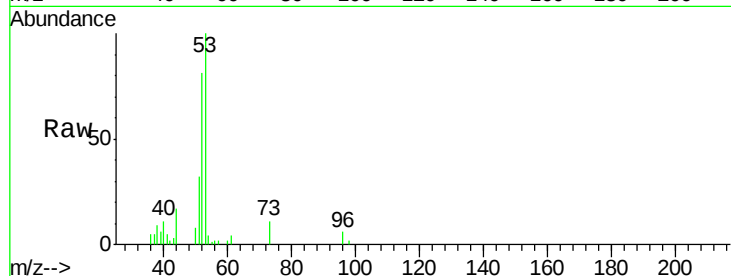
Tot Ion: 53 Resp: 42498

Ion Ratio Lower Upper

53 100

52 77.3 64.8 97.2

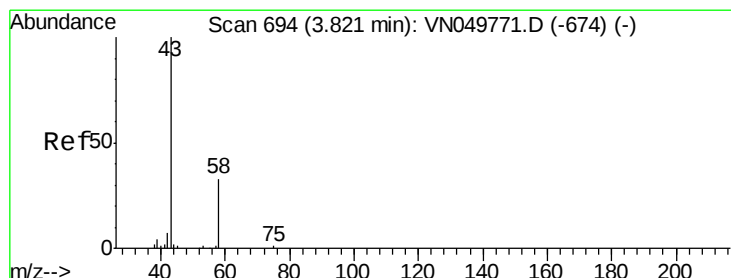
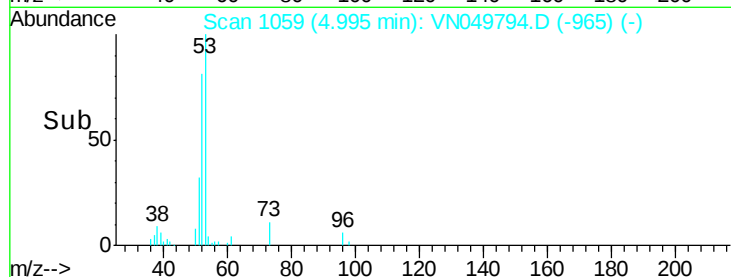
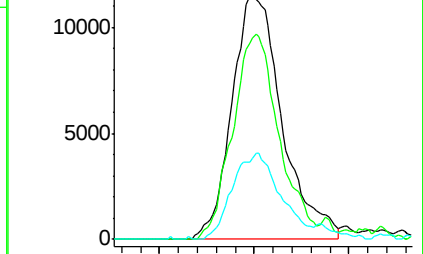
51 33.8 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049794.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049794.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049794.D (-965) (-)



#16

Acetone

Concen: 9.40 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049794.D

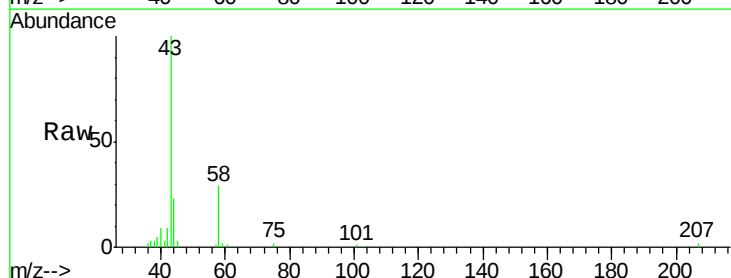
Acq: 13 Jul 2018 13:58

Tgt Ion: 43 Resp: 34578

Ion Ratio Lower Upper

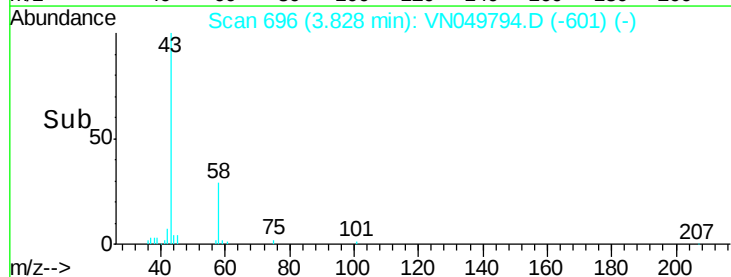
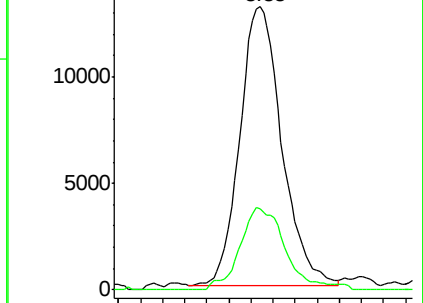
43 100

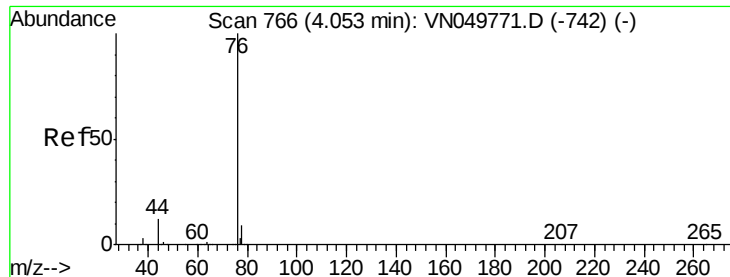
58 29.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049794.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049794.D (-601) (-)





#17

Carbon Disulfide

Concen: 2.01 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

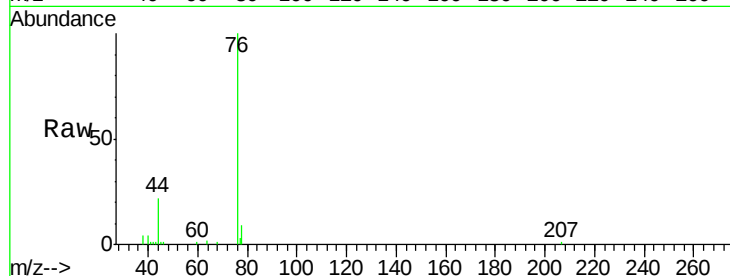
LOQ-WATER-02-QT3-2018

Tot Ion: 76 Resp: 71136

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049771.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049771.D (-742) (-)

4.05

30000

25000

20000

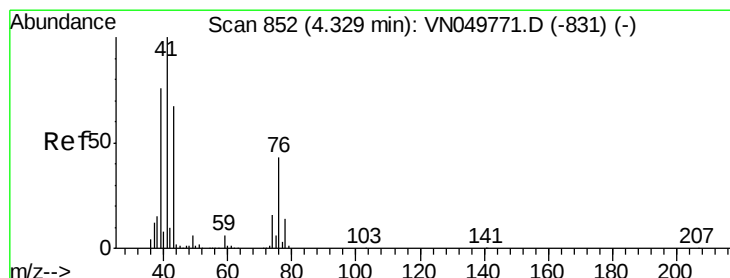
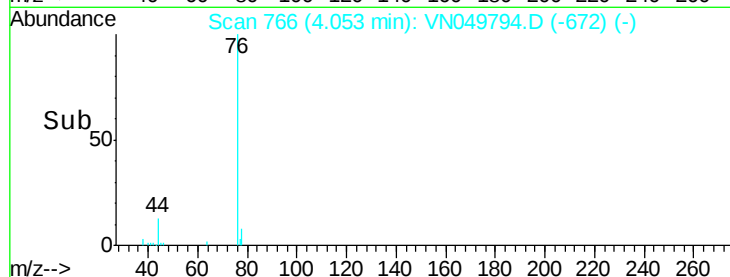
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 2.68 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049794.D

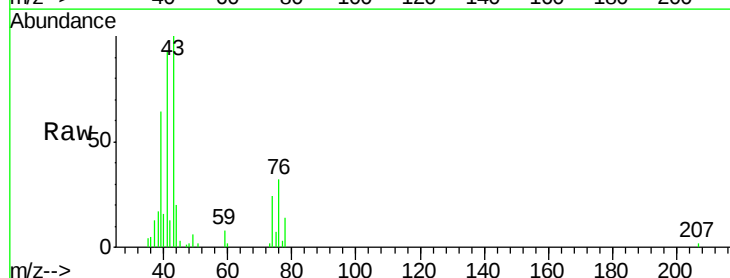
Acq: 13 Jul 2018 13:58

Tgt Ion: 43 Resp: 34747

Ion Ratio Lower Upper

43 100

74 16.0 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-831) (-)

Ion 74.00 (73.70 to 74.70): VN049771.D (-831) (-)

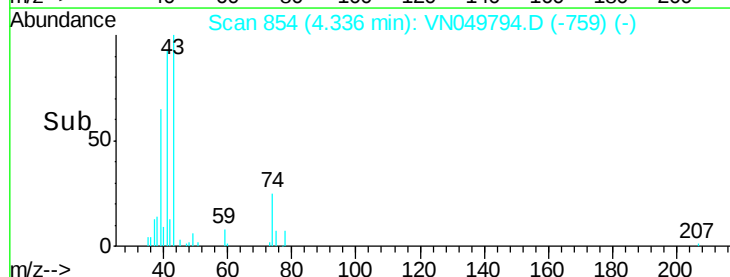
4.34

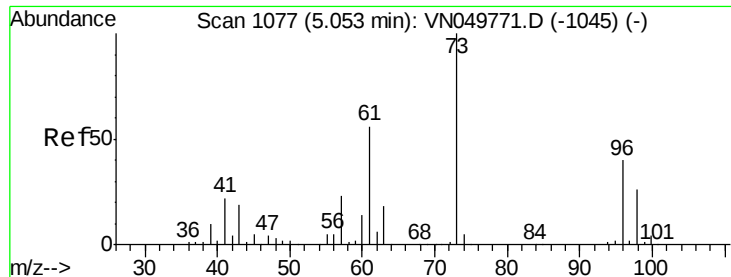
10000

5000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 2.02 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

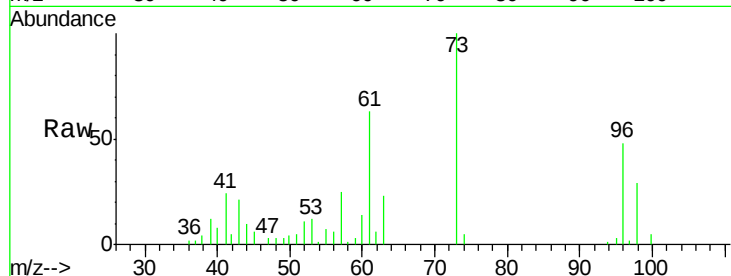
LOQ-WATER-02-QT3-2018

Tot Ion: 73 Resp: 64153

Ion Ratio Lower Upper

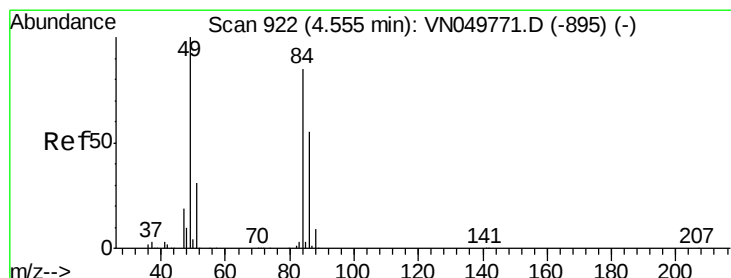
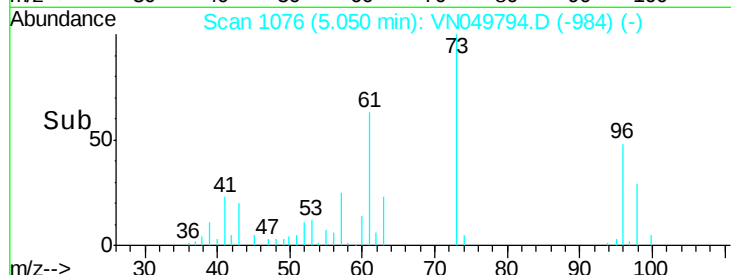
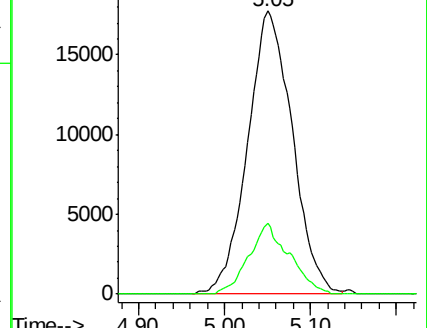
73 100

57 25.1 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VN049771.D (-1045) (-)

Ion 57.00 (56.70 to 57.70): VN049771.D (-1045) (-)



#20

Methylene Chloride

Concen: 1.78 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Tgt Ion: 84 Resp: 33717

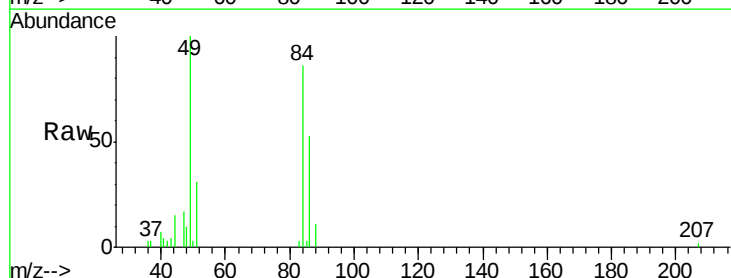
Ion Ratio Lower Upper

84 100

49 116.6 95.4 143.2

51 35.9 28.4 42.6

86 61.5 52.6 79.0

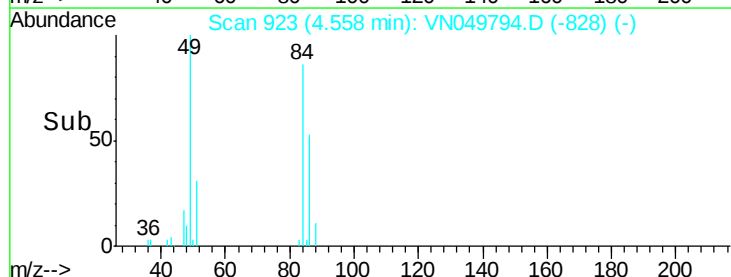
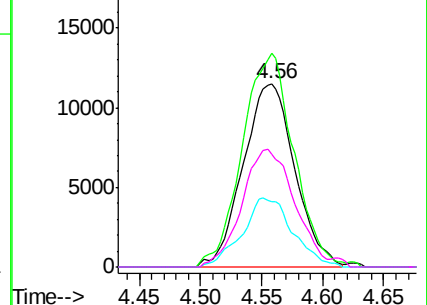


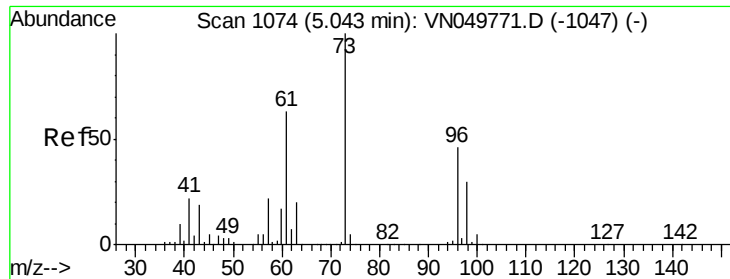
Abundance Ion 83.90 (83.60 to 84.60): VN049771.D (-895) (-)

Ion 48.90 (48.60 to 49.60): VN049771.D (-895) (-)

Ion 50.90 (50.60 to 51.60): VN049771.D (-895) (-)

Ion 85.90 (85.60 to 86.60): VN049771.D (-895) (-)





#21

trans-1,2-Dichloroethene

Concen: 2.19 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

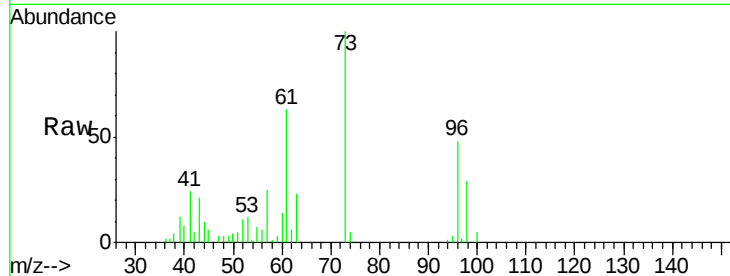
Tot Ion: 96 Resp: 27387

Ion Ratio Lower Upper

96 100

61 129.9 109.0 163.6

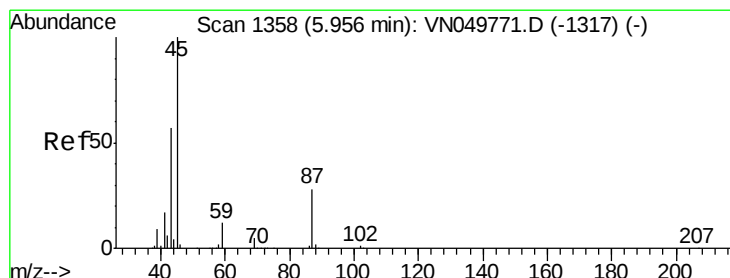
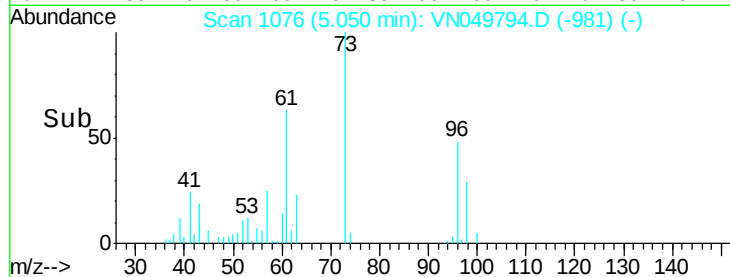
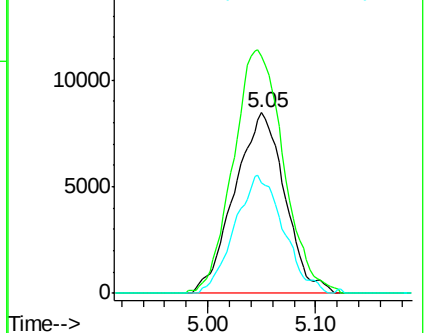
98 61.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049771.D (-1047) (-)

Ion 60.90 (60.60 to 61.60): VN049771.D (-1047) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1047) (-)



#22

Diisopropyl ether

Concen: 1.88 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Tgt Ion: 45 Resp: 72000

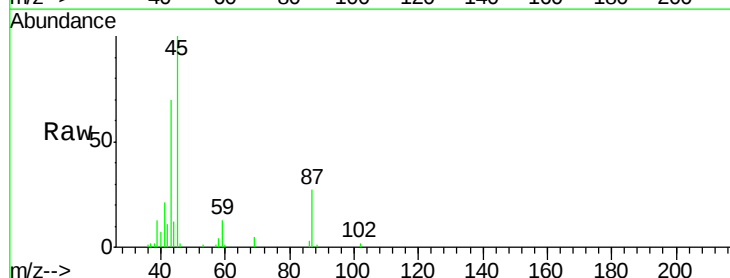
Ion Ratio Lower Upper

45 100

43 65.3 48.1 72.1

87 27.2 22.6 34.0

59 13.3 9.2 13.8

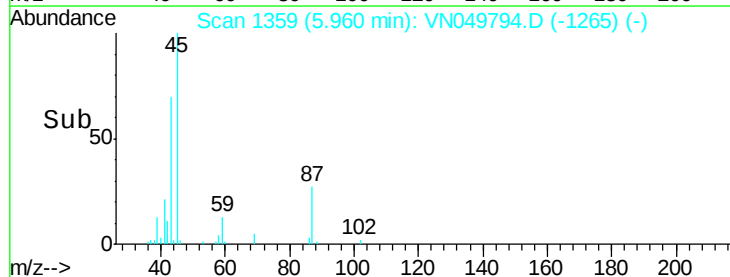
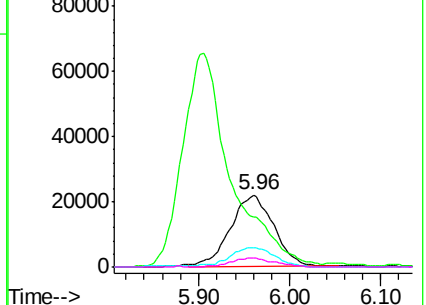


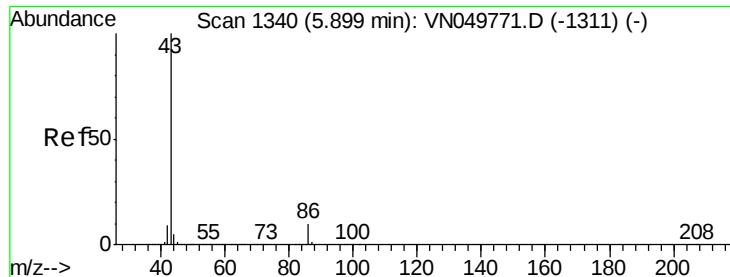
Abundance Ion 45.00 (44.70 to 45.70): VN049771.D (-1317) (-)

Ion 43.00 (42.70 to 43.70): VN049771.D (-1317) (-)

Ion 87.00 (86.70 to 87.70): VN049771.D (-1317) (-)

Ion 59.00 (58.70 to 59.70): VN049771.D (-1317) (-)





#23

Vinyl Acetate

Concen: 9.44 ug/l

RT: 5.91 min Scan# 1342

Delta R.T. 0.01 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

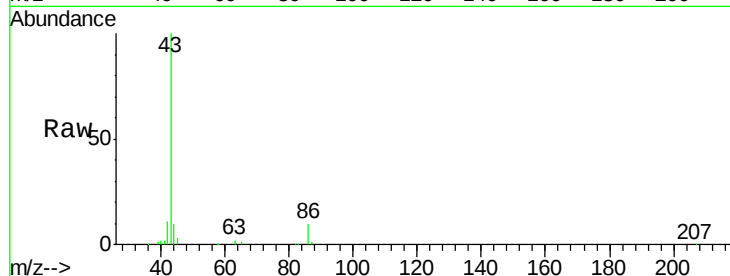
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 242955

Ion Ratio Lower Upper

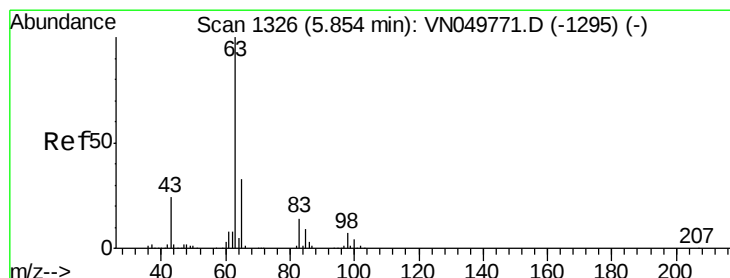
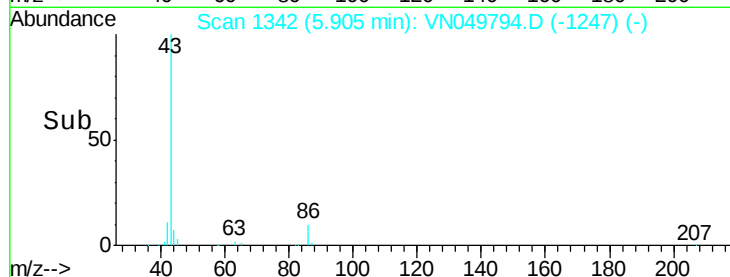
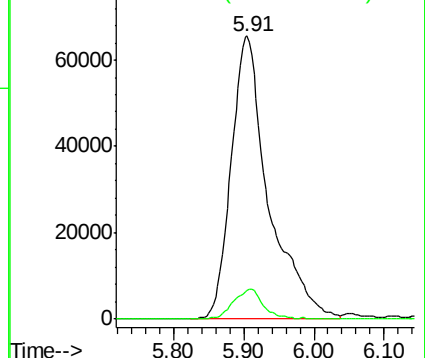
43 100

86 10.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 2.16 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

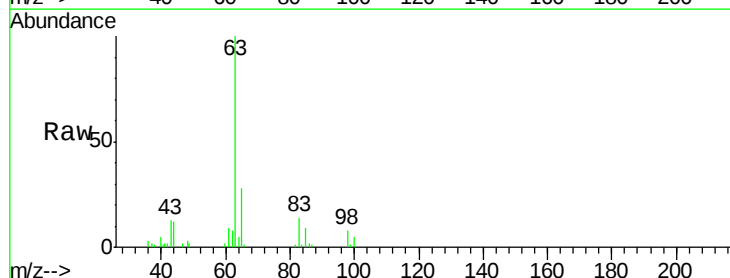
Tgt Ion: 63 Resp: 52035

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

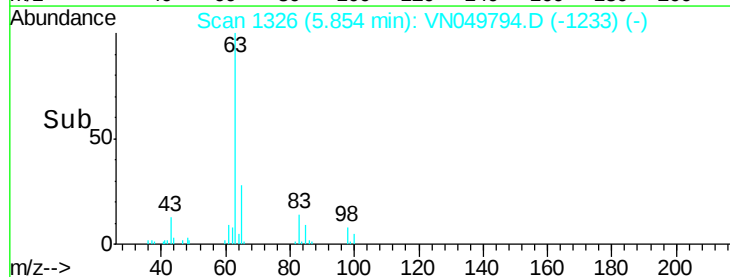
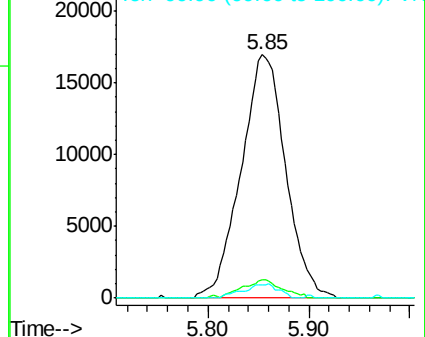
100 5.2 2.2 6.6

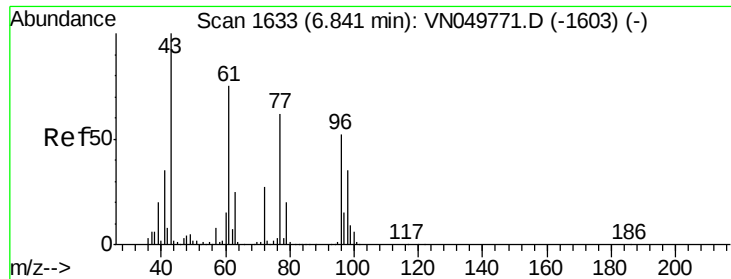


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 9.72 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

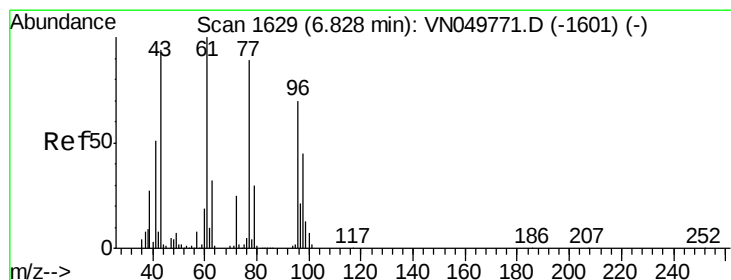
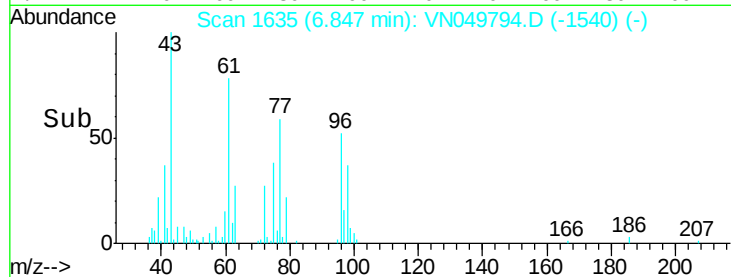
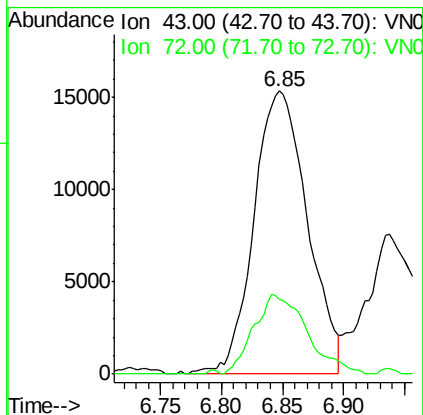
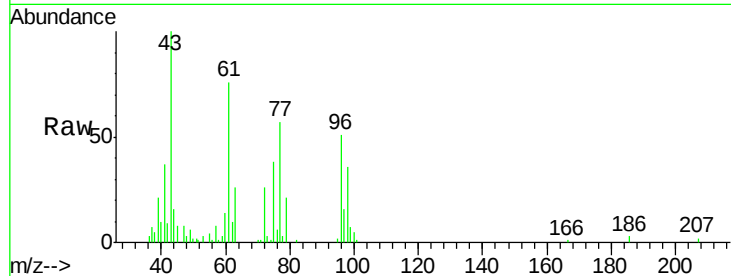
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 46697

Ion Ratio Lower Upper

43 100

72 26.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 2.11 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VN049794.D

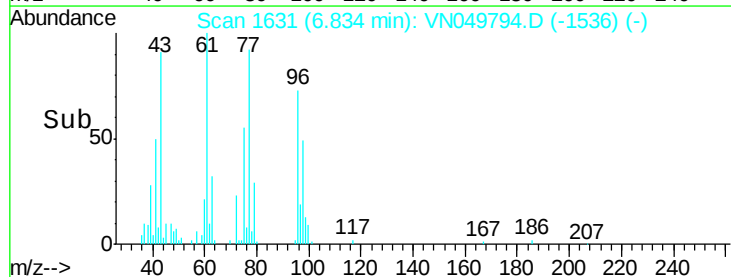
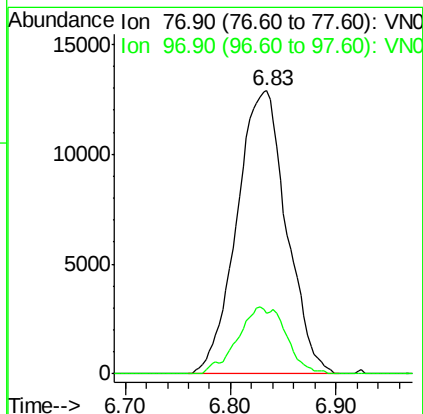
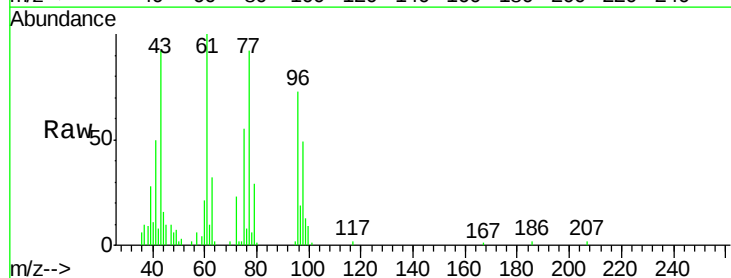
Acq: 13 Jul 2018 13:58

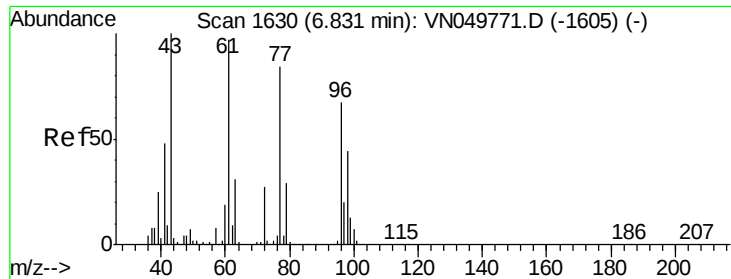
Tgt Ion: 77 Resp: 42186

Ion Ratio Lower Upper

77 100

97 14.0 11.9 35.5

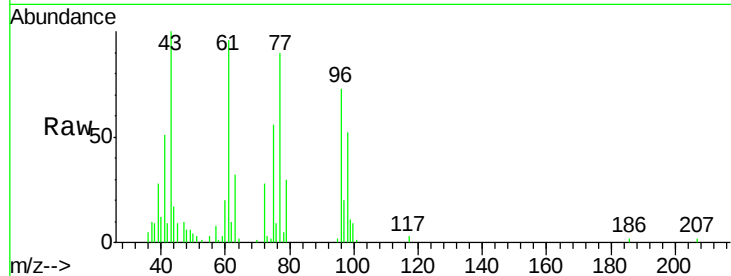




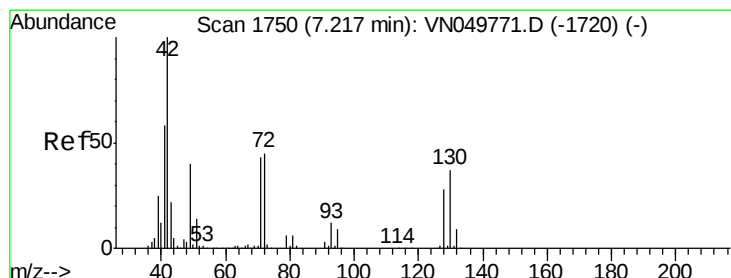
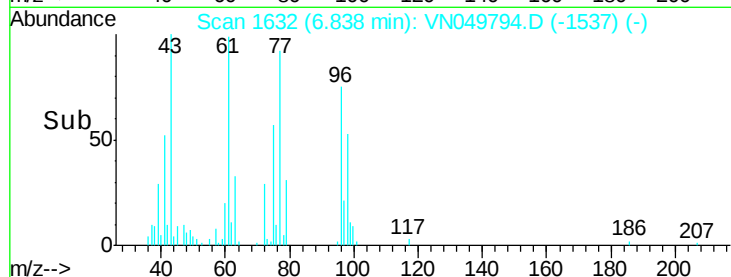
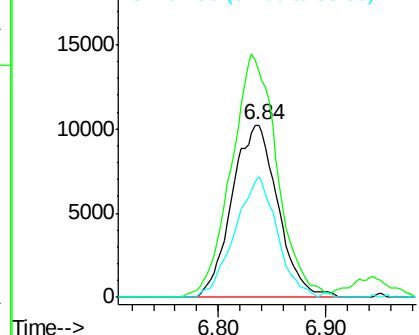
#27
 cis-1,2-Dichloroethene
 Concen: 2.12 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion: 96 Resp: 30286
 Ion Ratio Lower Upper
 96 100
 61 140.9 0.0 289.0
 98 64.3 0.0 130.2

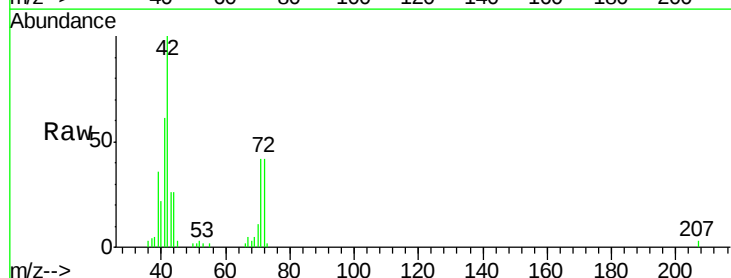


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

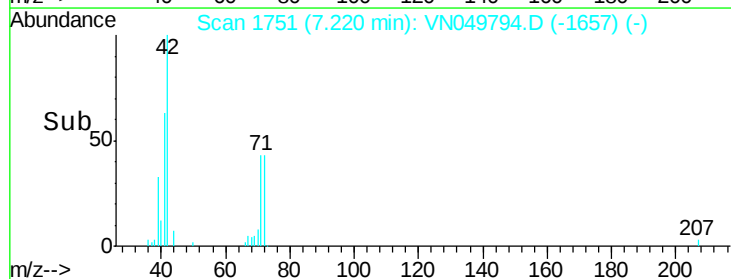
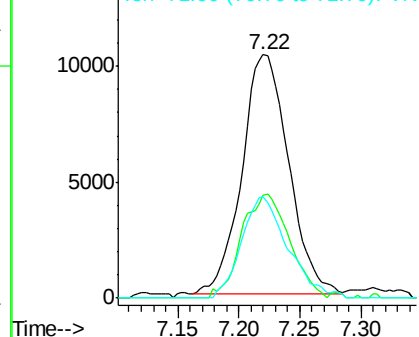


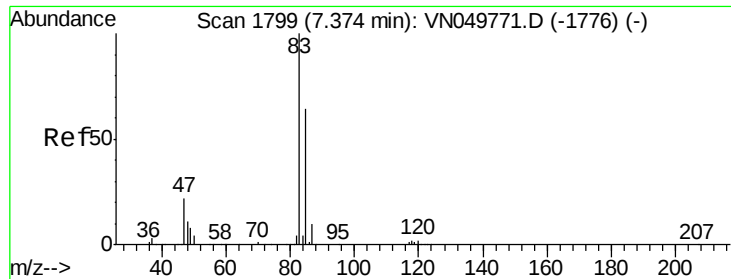
#29
 Tetrahydrofuran
 Concen: 9.05 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Tgt Ion: 42 Resp: 27299
 Ion Ratio Lower Upper
 42 100
 72 44.7 35.6 53.4
 71 42.1 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0
 Ion 71.00 (70.70 to 71.70): VN0

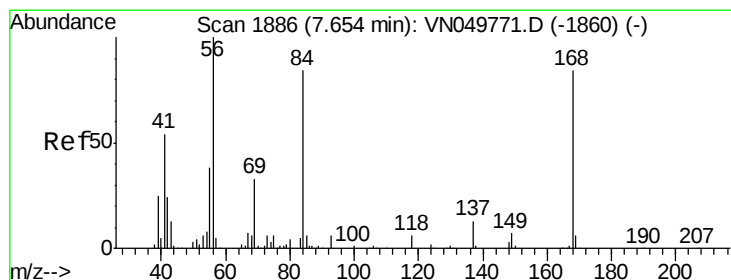
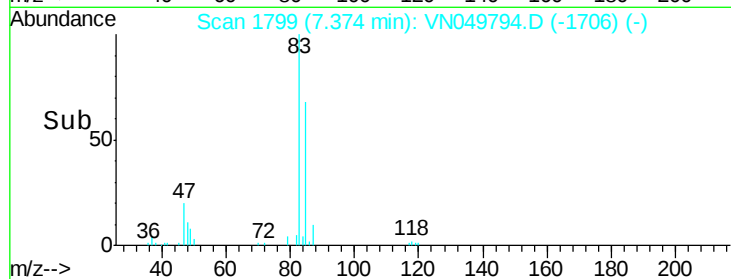
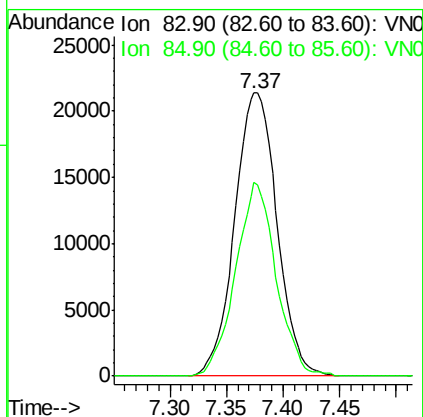
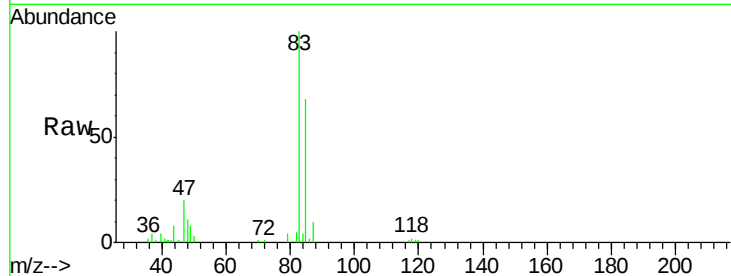




#30
Chloroform
Concen: 2.24 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

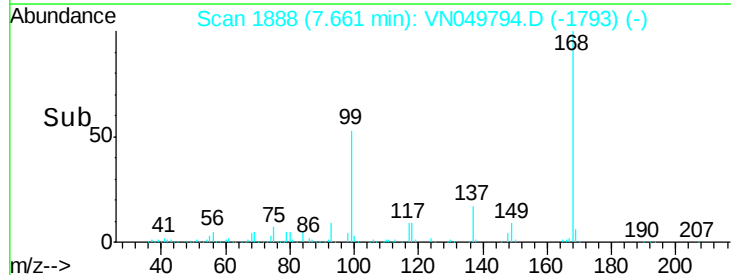
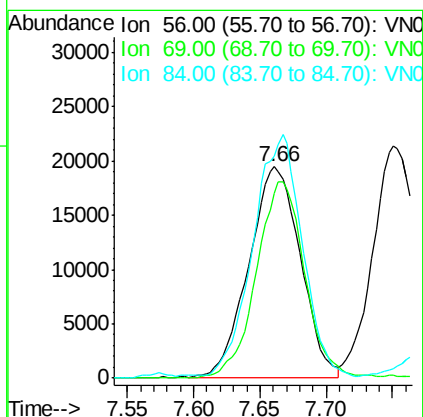
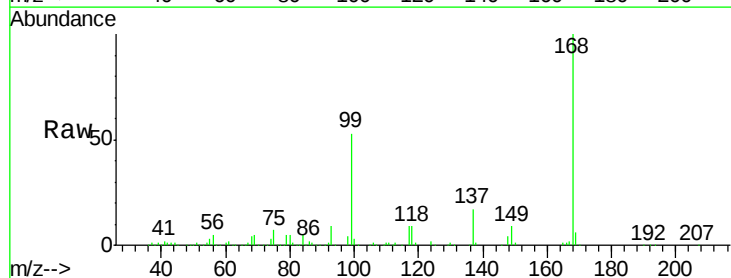
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

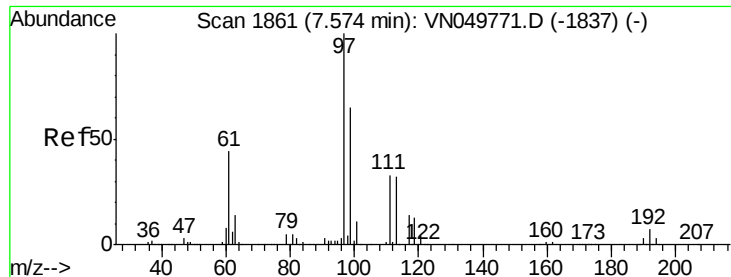
Tot Ion: 83 Resp: 55645
Ion Ratio Lower Upper
83 100
85 68.3 51.4 77.2



#31
Cyclohexane
Concen: 2.51 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Tgt Ion: 56 Resp: 52829
Ion Ratio Lower Upper
56 100
69 87.4 26.6 40.0#
84 102.6 69.0 103.6





#32

1,1,1-Trichloroethane

Concen: 2.15 ug/l

RT: 7.58 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

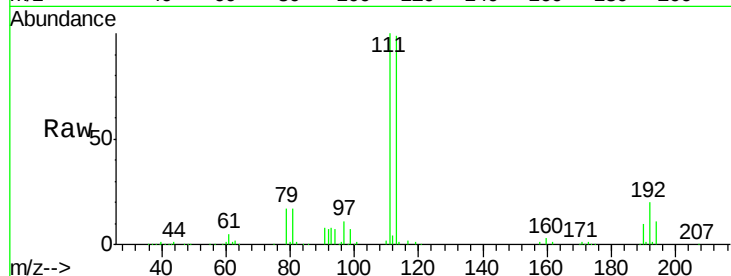
Tot Ion: 97 Resp: 45403

Ion Ratio Lower Upper

97 100

99 66.5 51.0 76.4

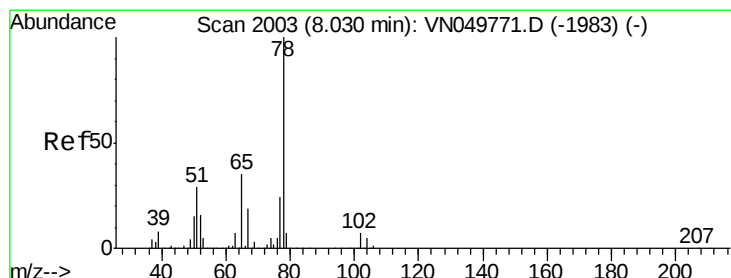
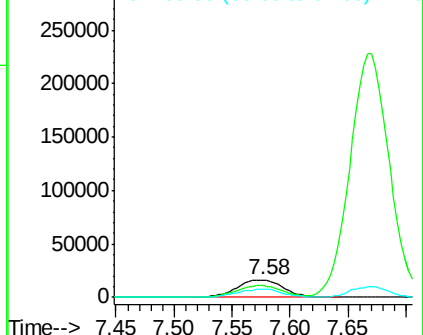
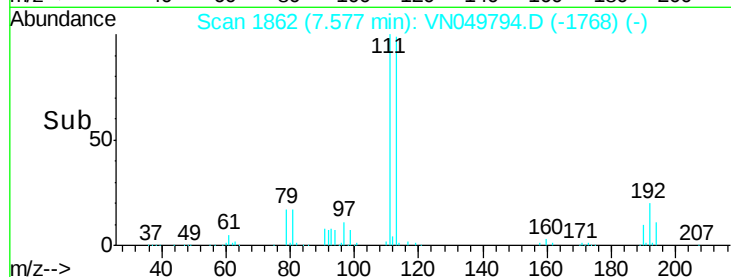
61 45.9 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN049771.D (-1837) (-)

Ion 98.90 (98.60 to 99.60): VN049771.D (-1837) (-)

Ion 60.90 (60.60 to 61.60): VN049771.D (-1837) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.91 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049794.D

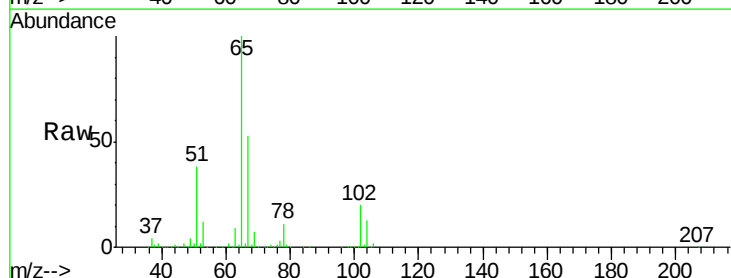
Acq: 13 Jul 2018 13:58

Tgt Ion: 65 Resp: 664331

Ion Ratio Lower Upper

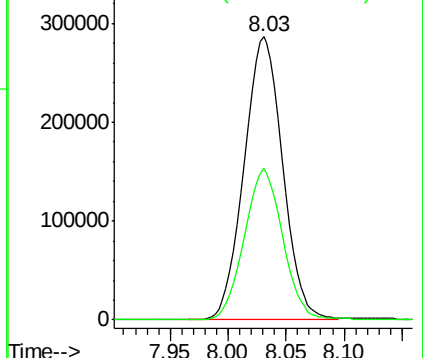
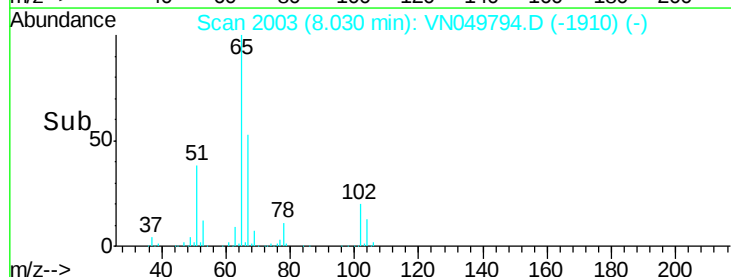
65 100

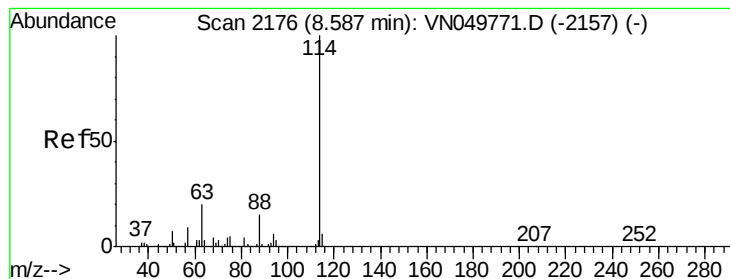
67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049771.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049771.D (-1983) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

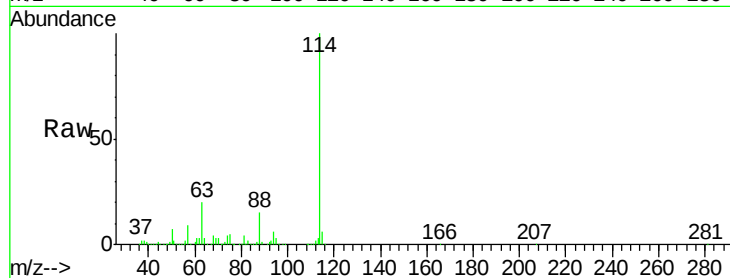
Tot Ion:114 Resp: 1642563

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

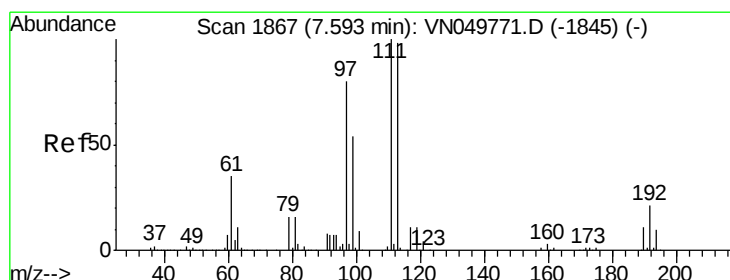
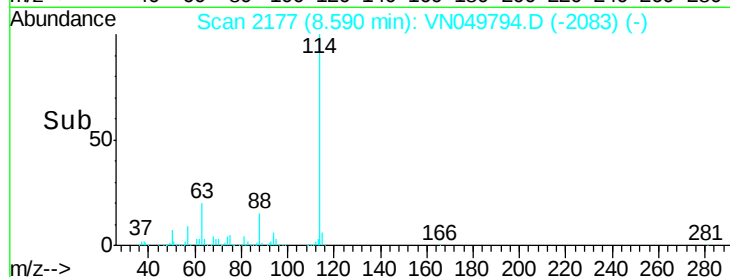
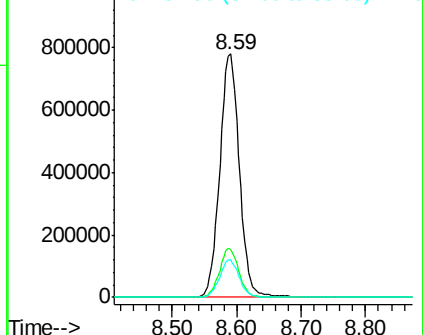
88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.01 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

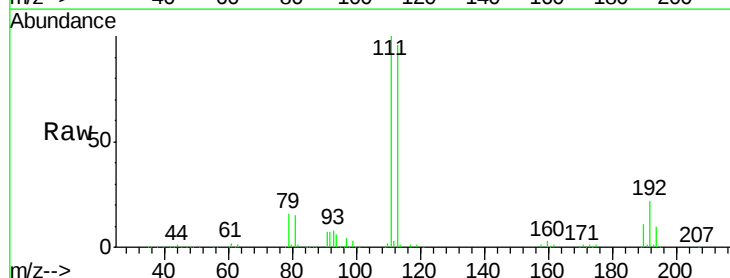
Tgt Ion:113 Resp: 619161

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

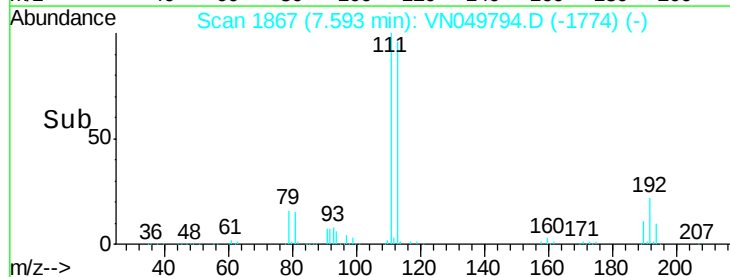
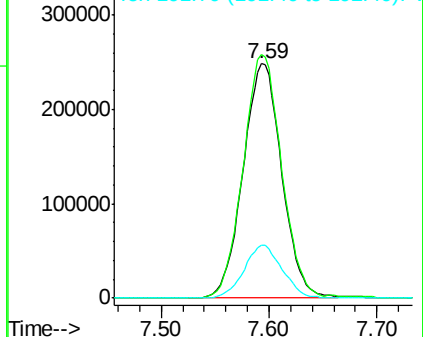
192 22.2 17.8 26.6

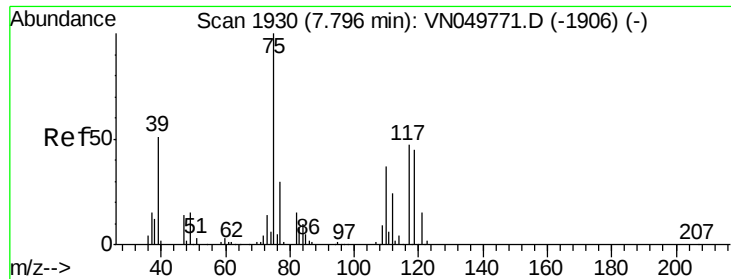


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

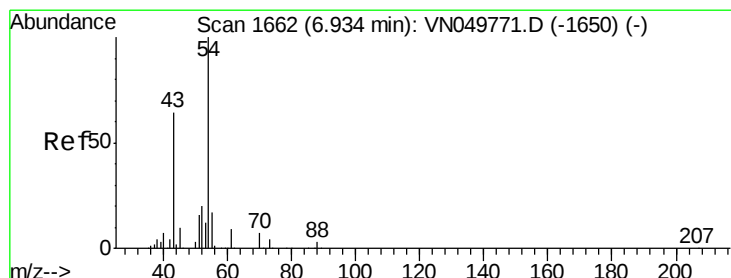
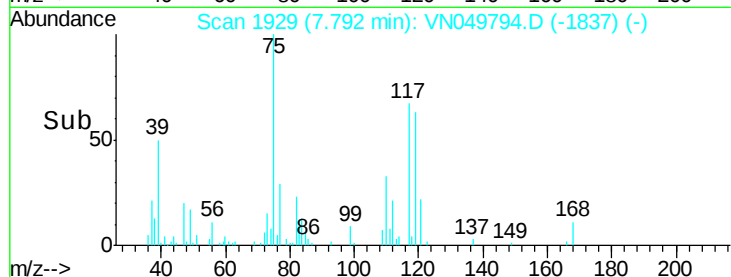
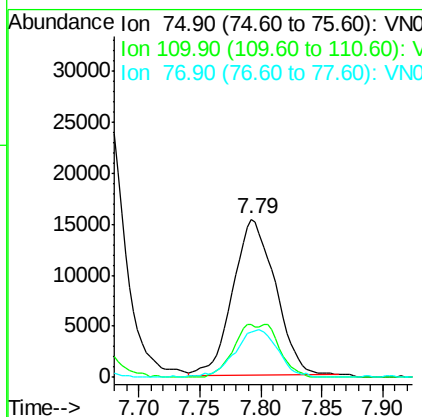
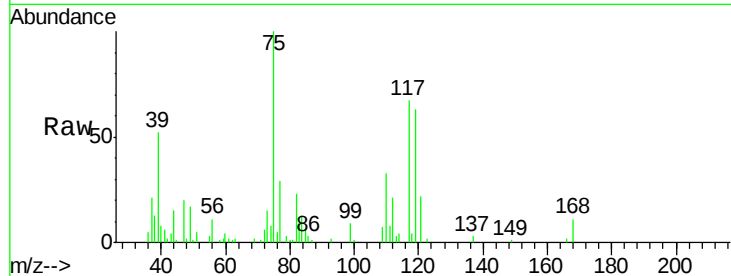




#36
 1,1-Dichloropropene
 Concen: 1.97 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

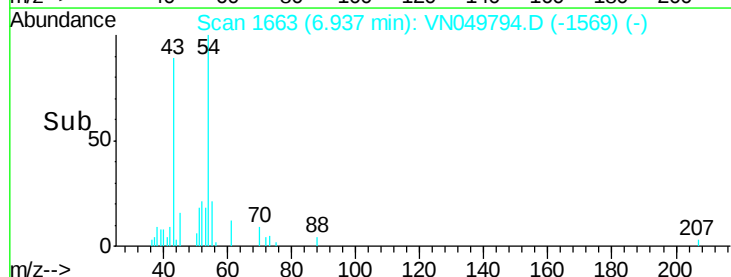
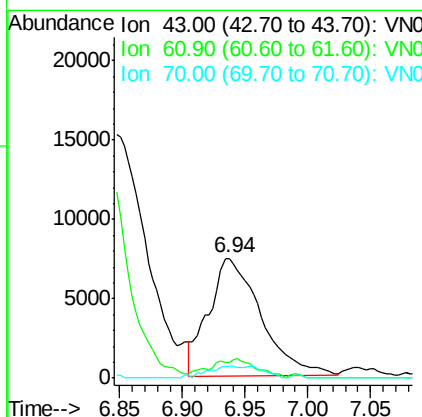
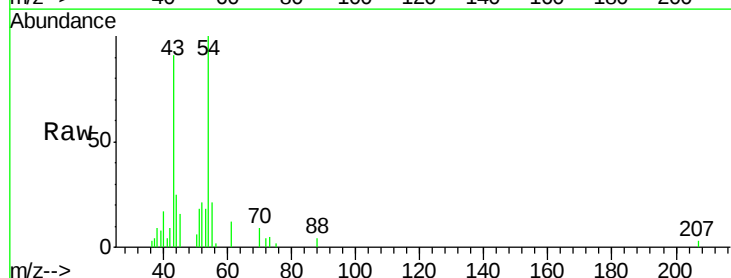
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

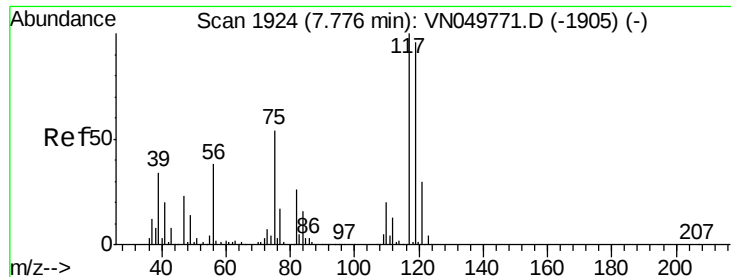
Tot Ion: 75 Resp: 37221
 Ion Ratio Lower Upper
 75 100
 110 18.2 18.1 54.4
 77 30.8 24.9 37.3



#37
 Ethyl Acetate
 Concen: 1.93 ug/l
 RT: 6.94 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Tgt Ion: 43 Resp: 21629
 Ion Ratio Lower Upper
 43 100
 61 14.7 11.7 17.5
 70 6.9 8.4 12.6#

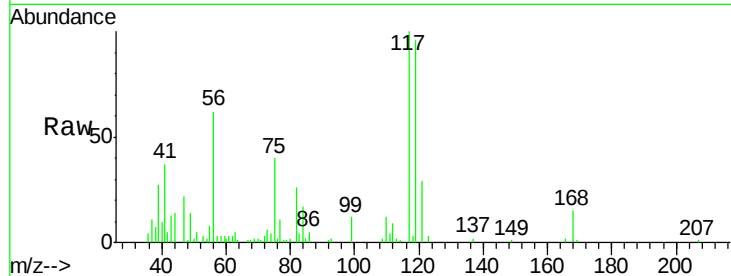




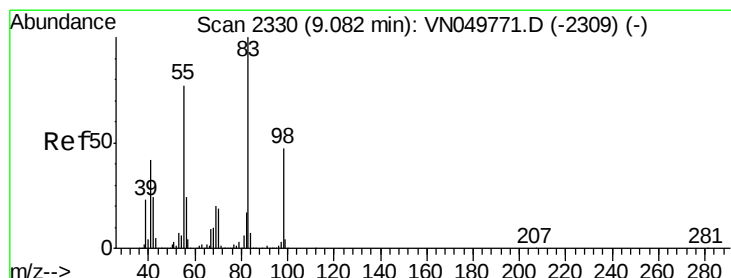
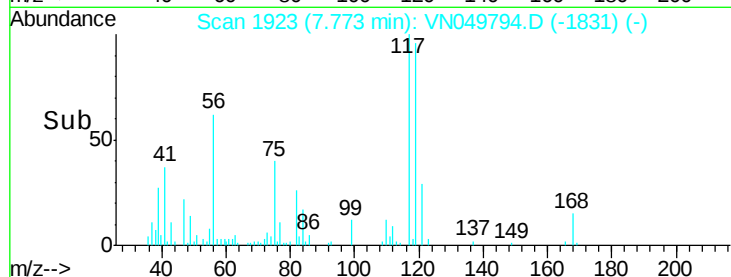
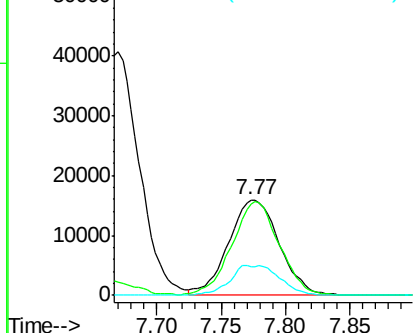
#38
Carbon Tetrachloride
Concen: 2.20 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion:117 Resp: 43525
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8
121 29.3 25.0 37.6

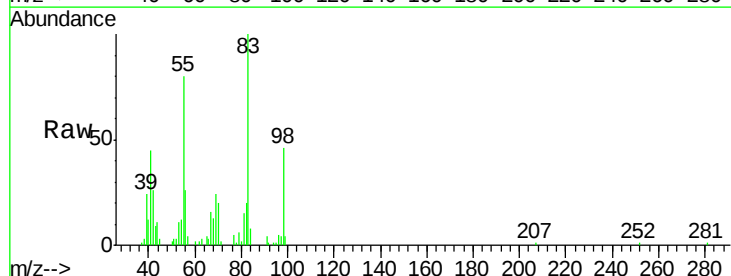


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

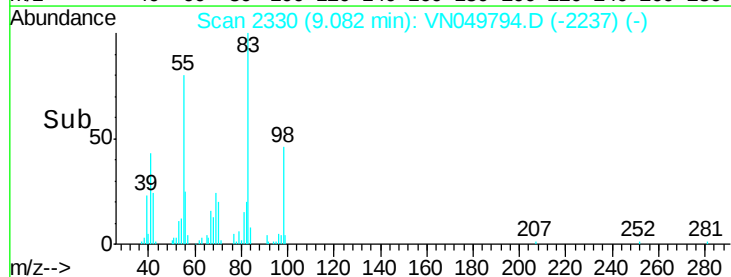
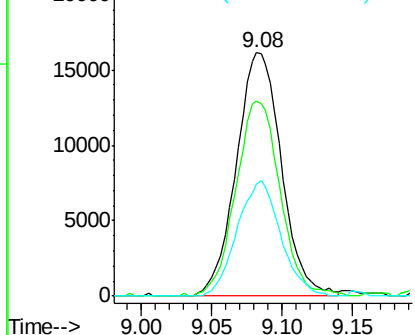


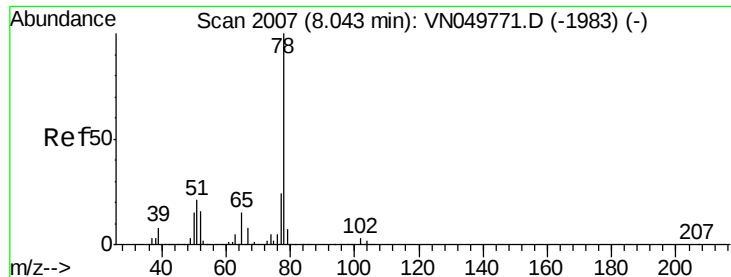
#39
Methylcyclohexane
Concen: 1.81 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Tgt Ion: 83 Resp: 36126
Ion Ratio Lower Upper
83 100
55 80.2 59.7 89.5
98 45.7 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 2.08 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

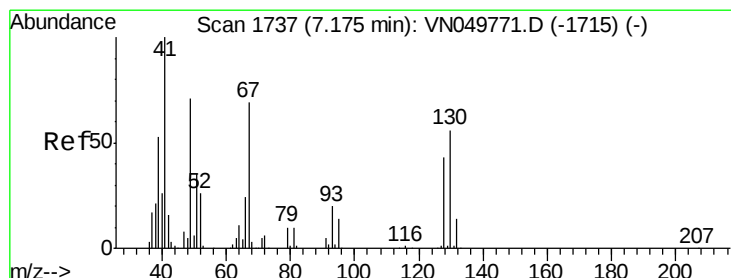
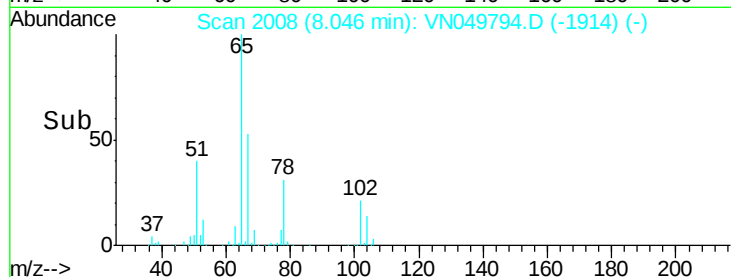
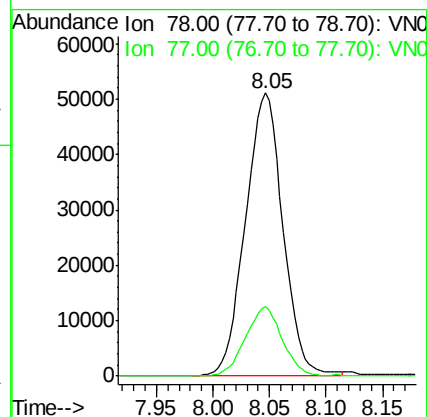
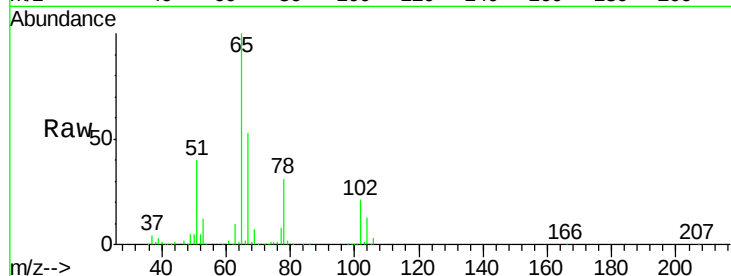
LOQ-WATER-02-QT3-2018

Tot Ion: 78 Resp: 117850

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.4



#41

Methacrylonitrile

Concen: 1.72 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Tgt Ion: 41 Resp: 10907

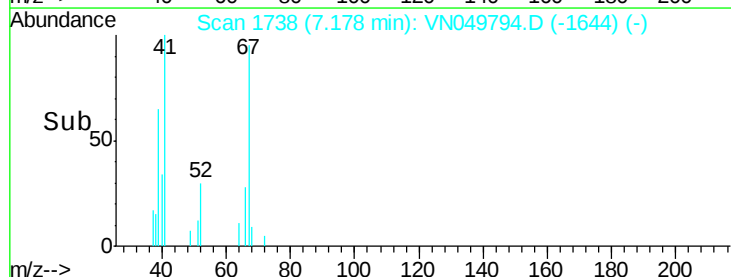
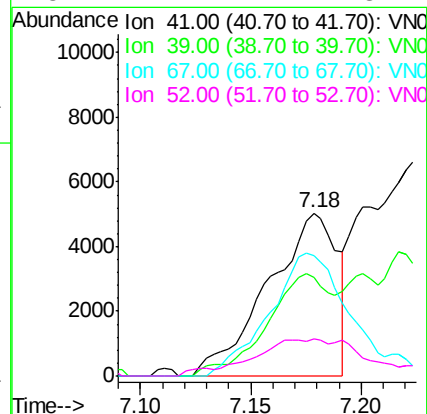
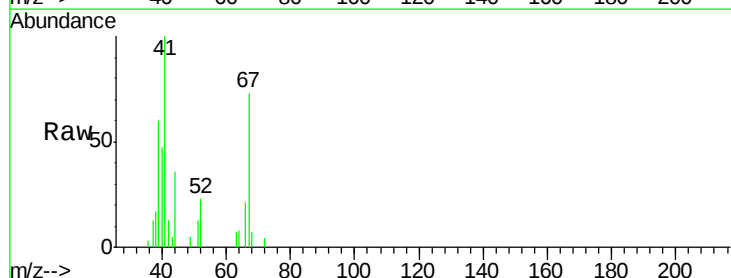
Ion Ratio Lower Upper

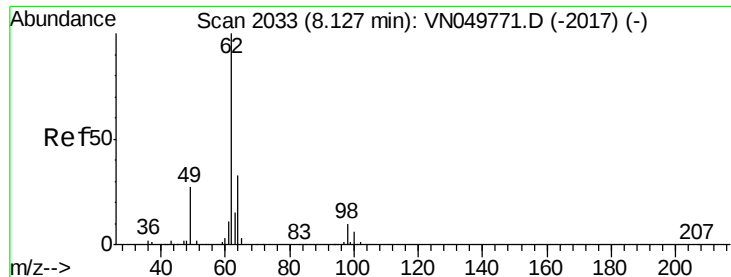
41 100

39 57.7 45.4 68.2

67 90.6 65.4 98.0

52 12.7 24.7 37.1#





#42

1,2-Dichloroethane

Concen: 2.05 ug/l

RT: 8.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

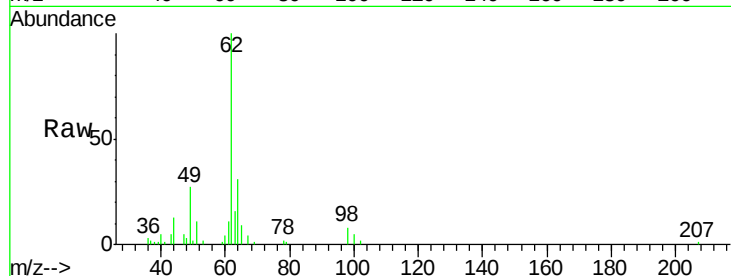
LOQ-WATER-02-QT3-2018

Tot Ion: 62 Resp: 38047

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

8.13

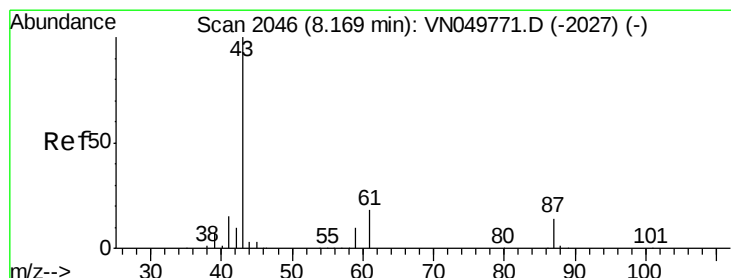
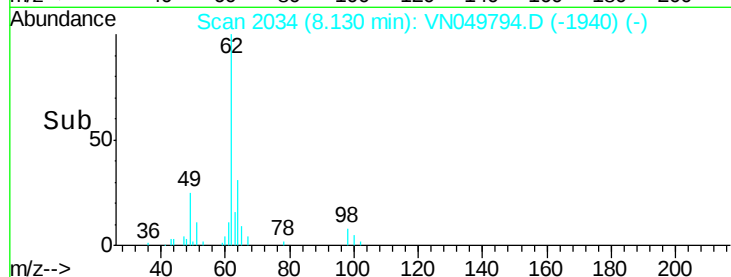
15000

10000

5000

0

Time-->



#43

Isopropyl Acetate

Concen: 1.84 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

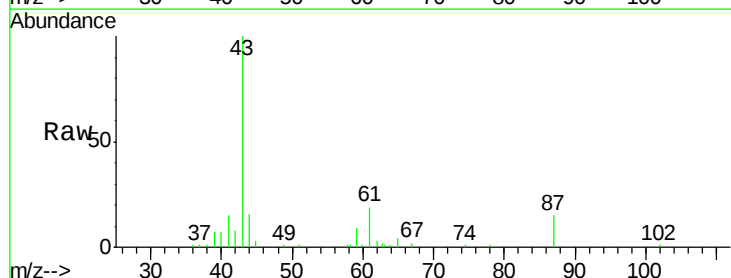
Tgt Ion: 43 Resp: 36974

Ion Ratio Lower Upper

43 100

61 16.0 14.9 22.3

87 13.7 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

8.17

20000

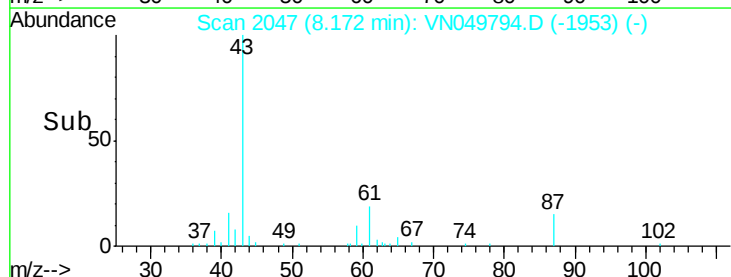
15000

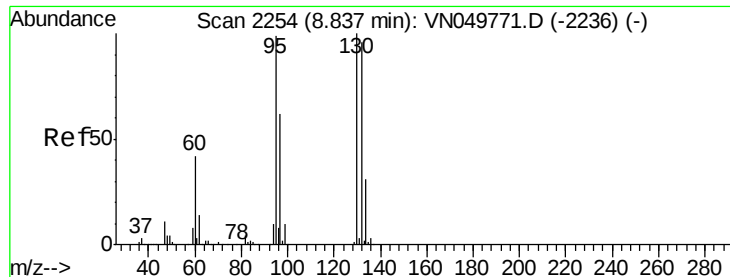
10000

5000

0

Time-->





#44

Trichloroethene

Concen: 2.11 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

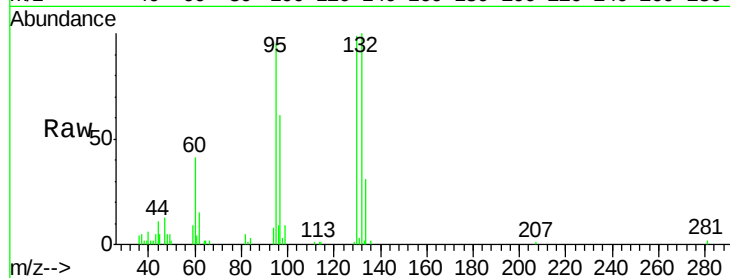
LOQ-WATER-02-QT3-2018

Tot Ion:130 Resp: 32105

Ion Ratio Lower Upper

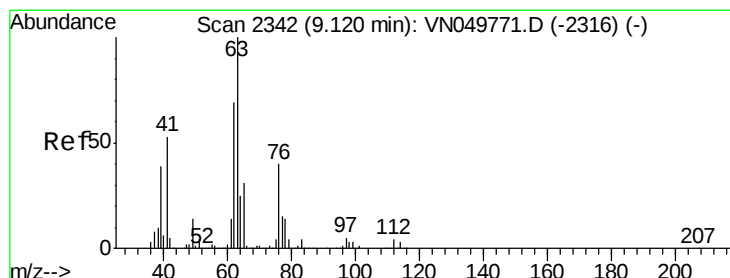
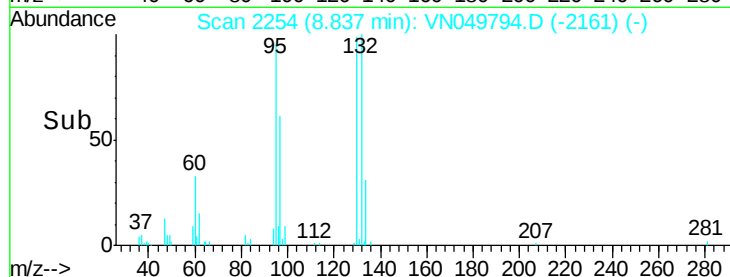
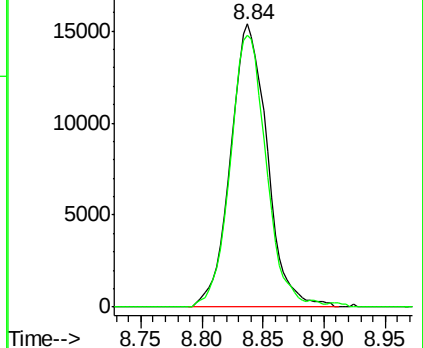
130 100

95 96.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 1.94 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049794.D

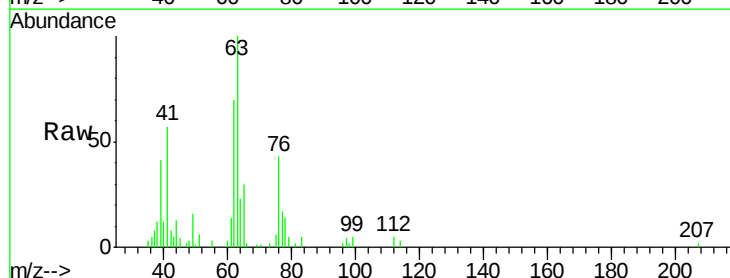
Acq: 13 Jul 2018 13:58

Tgt Ion: 63 Resp: 29513

Ion Ratio Lower Upper

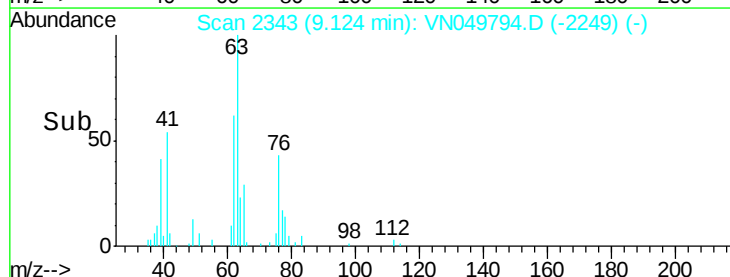
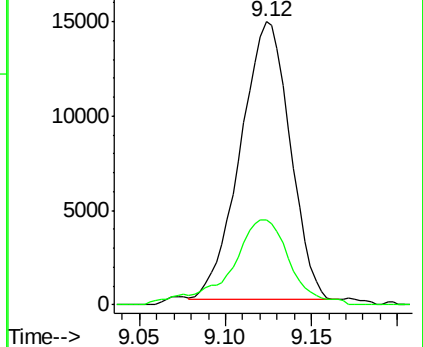
63 100

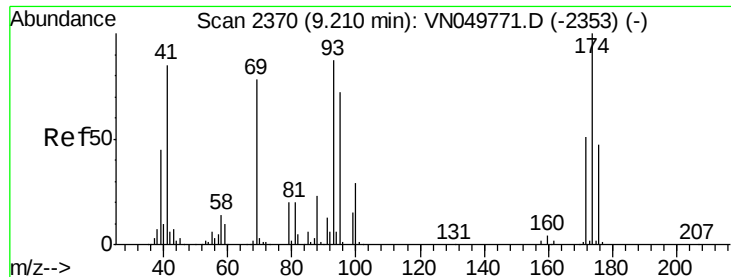
65 28.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#46

Dibromomethane

Concen: 2.08 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

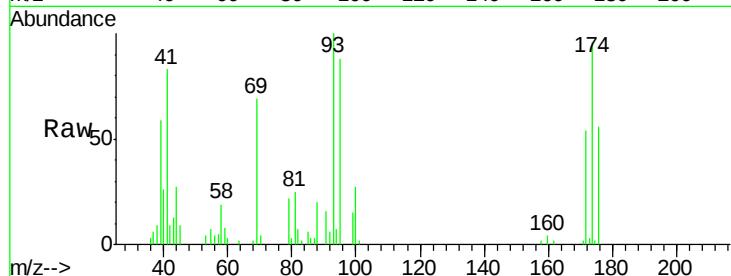
Tot Ion: 93 Resp: 18779

Ion Ratio Lower Upper

93 100

95 86.1 67.9 101.9

174 104.5 89.4 134.0

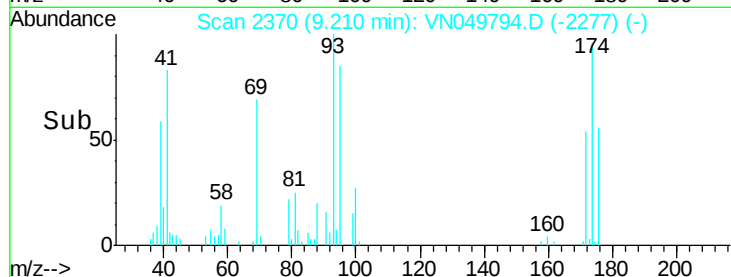


Abundance Ion 92.80 (92.50 to 93.50): VN049771.D (-2353) (-)

Ion 94.80 (94.50 to 95.50): VN049771.D (-2353) (-)

Ion 173.70 (173.40 to 174.40): VN049771.D (-2353) (-)

Time-->

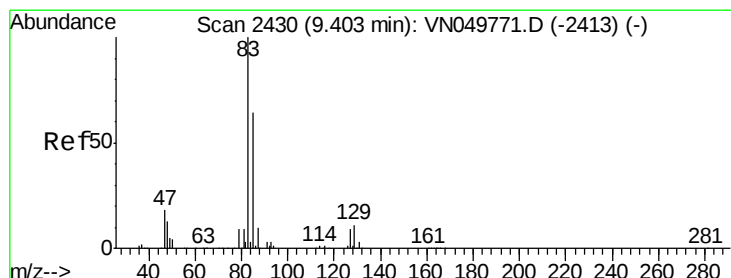


Abundance Ion 92.80 (92.50 to 93.50): VN049794.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049794.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049794.D (-2277) (-)

Time-->



#47

Bromodichloromethane

Concen: 2.10 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

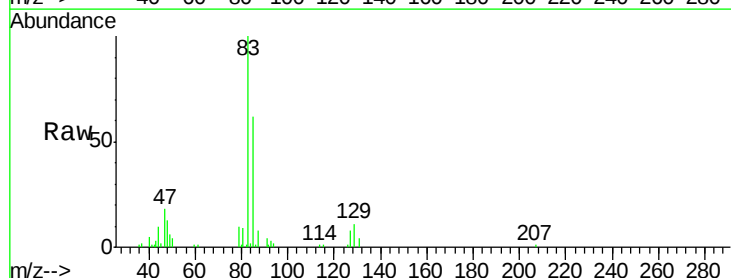
Tgt Ion: 83 Resp: 41865

Ion Ratio Lower Upper

83 100

85 61.6 50.5 75.7

127 8.3 6.8 10.2

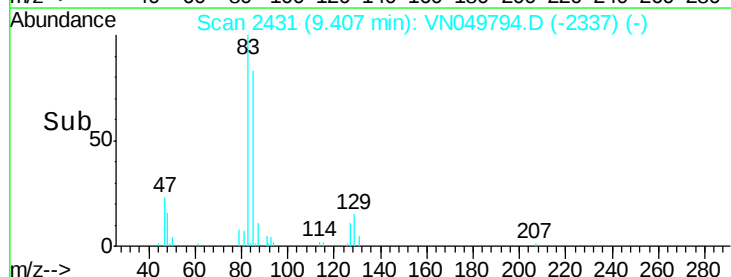


Abundance Ion 82.90 (82.60 to 83.60): VN049771.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN049771.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN049771.D (-2413) (-)

Time-->

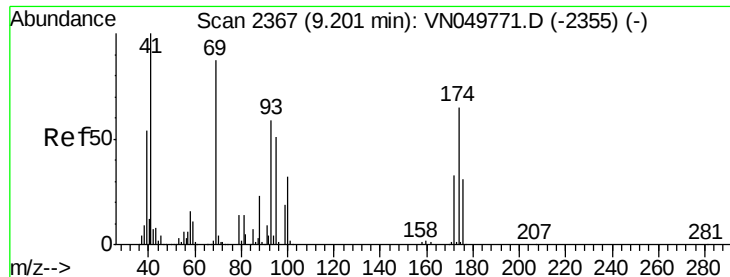


Abundance Ion 82.90 (82.60 to 83.60): VN049794.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049794.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049794.D (-2337) (-)

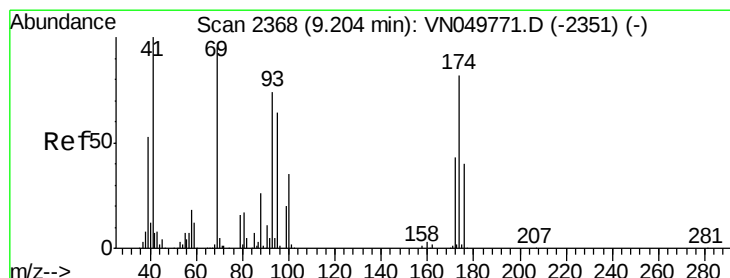
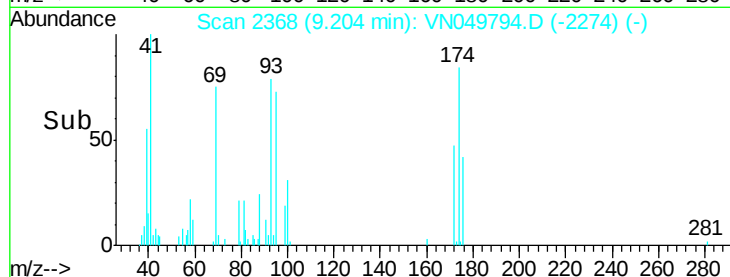
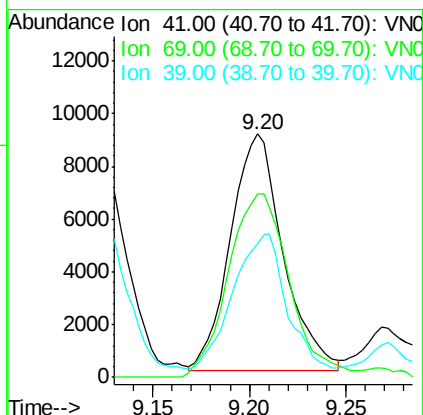
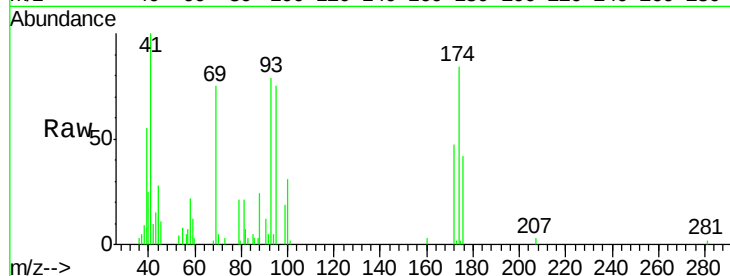
Time-->



#48
Methvl methacrylate
Concen: 1.69 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

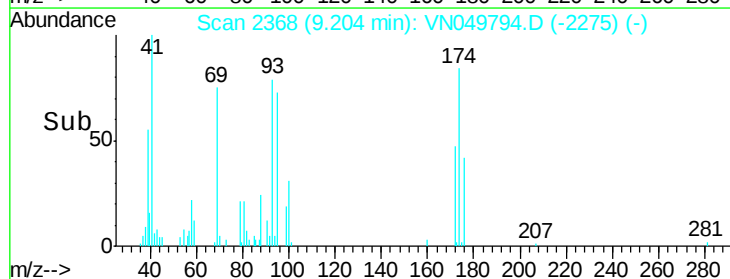
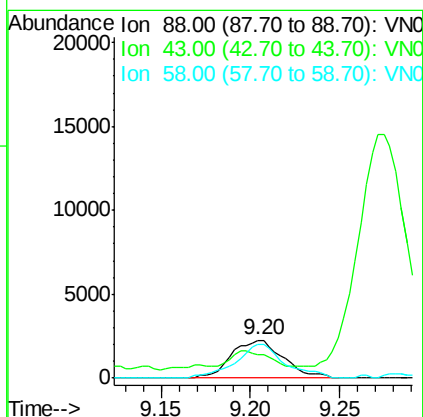
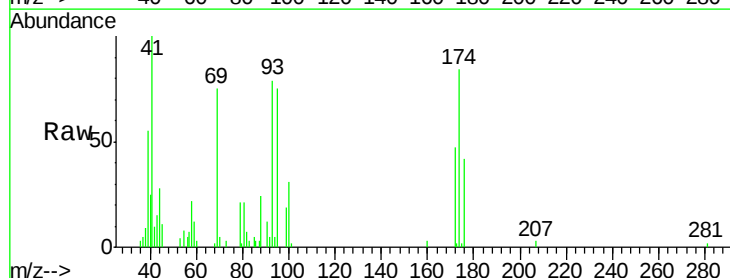
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

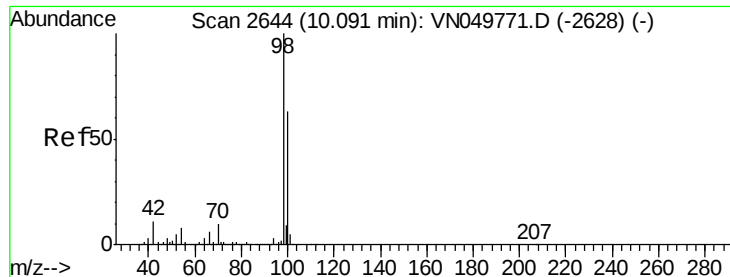
Tot Ion: 41 Resp: 17059
Ion Ratio Lower Upper
41 100
69 89.2 71.5 107.3
39 61.0 44.7 67.1



#49
1,4-Dioxane
Concen: 34.53 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Tgt Ion: 88 Resp: 4555
Ion Ratio Lower Upper
88 100
43 28.4 25.1 37.7
58 84.7 52.5 78.7#





#50

Toluene-d8

Concen: 45.76 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

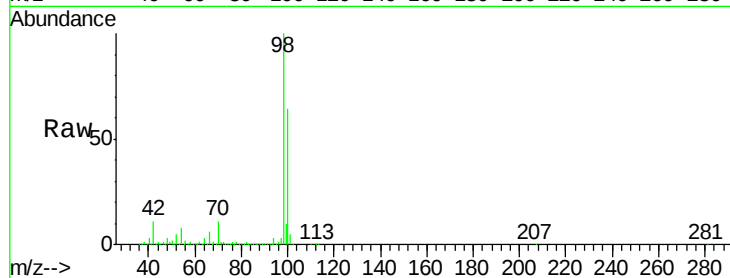
LOQ-WATER-02-QT3-2018

Tot Ion: 98 Resp: 1939384

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049771.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN049771.D (-2628) (-)

1200000

1000000

800000

600000

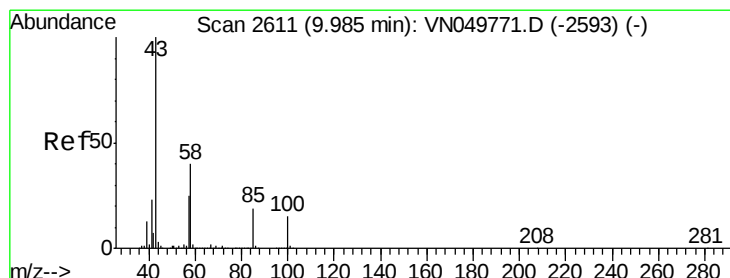
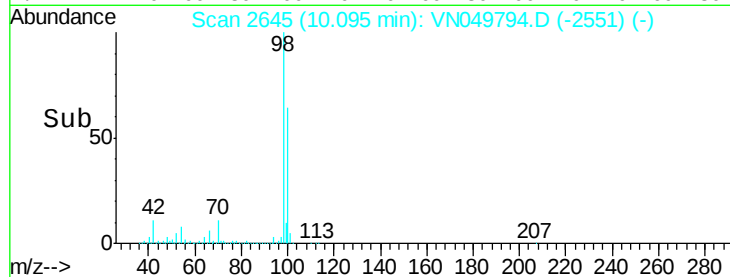
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 8.92 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049794.D

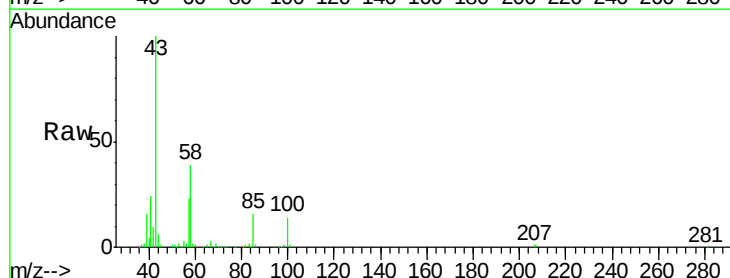
Acq: 13 Jul 2018 13:58

Tgt Ion: 43 Resp: 97500

Ion Ratio Lower Upper

43 100

58 37.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN049771.D (-2593) (-)

60000

50000

40000

30000

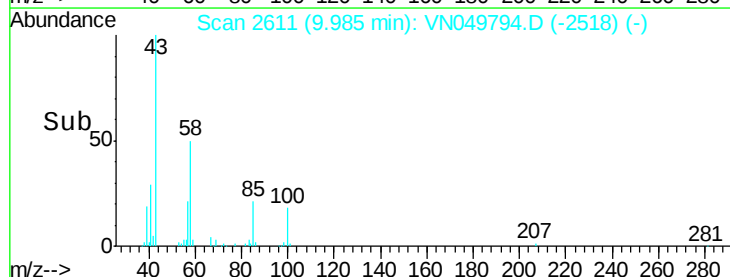
20000

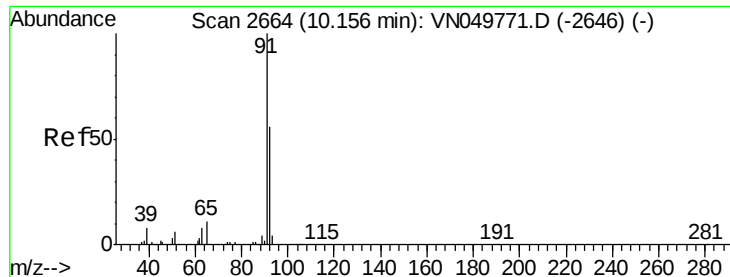
10000

0

9.90 10.00 10.10

Time-->





#52

Toluene

Concen: 2.04 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

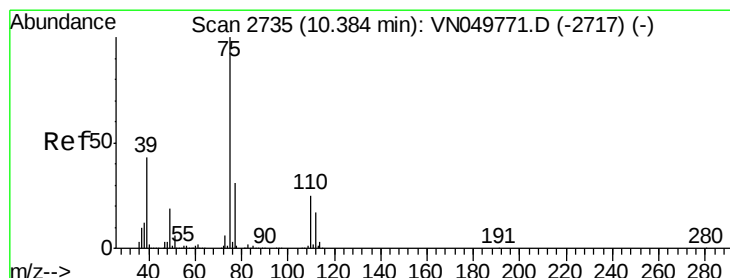
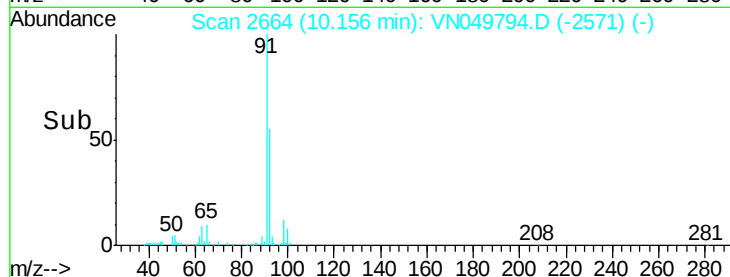
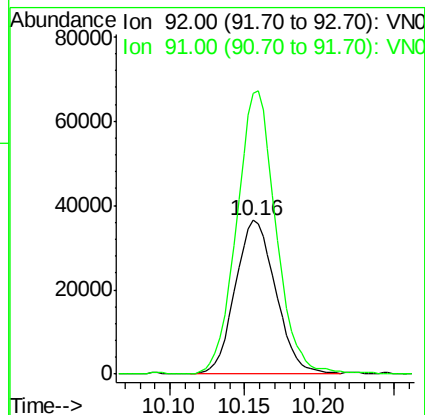
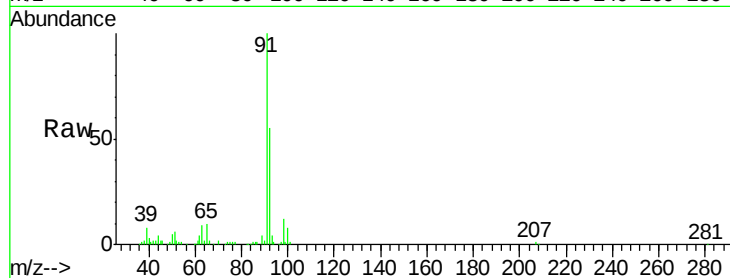
LOQ-WATER-02-QT3-2018

Tot Ion: 92 Resp: 69042

Ion Ratio Lower Upper

92 100

91 177.6 140.1 210.1



#53

t-1,3-Dichloropropene

Concen: 1.81 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049794.D

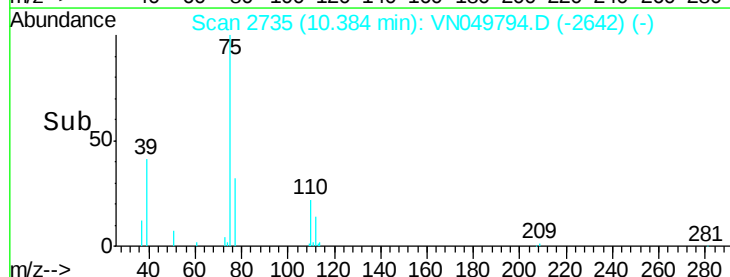
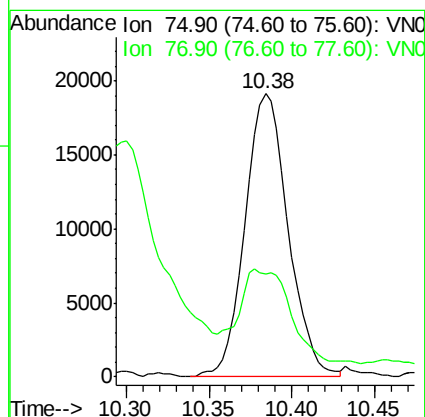
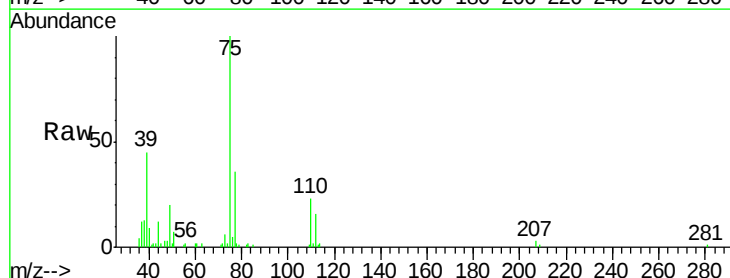
Acq: 13 Jul 2018 13:58

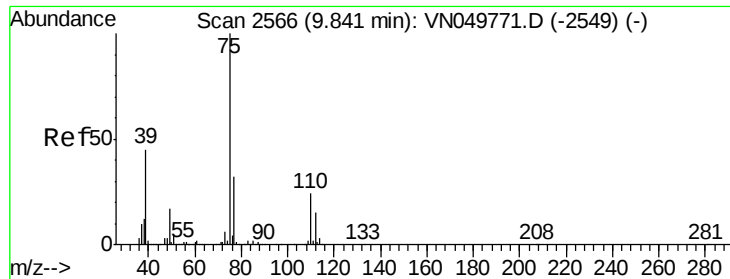
Tgt Ion: 75 Resp: 34586

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8





#54

cis-1,3-Dichloropropene

Concen: 1.82 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

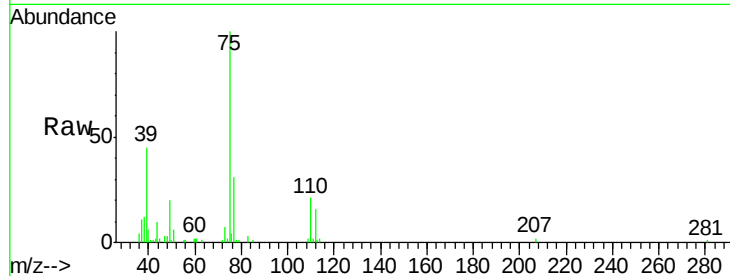
Tot Ion: 75 Resp: 39583

Ion Ratio Lower Upper

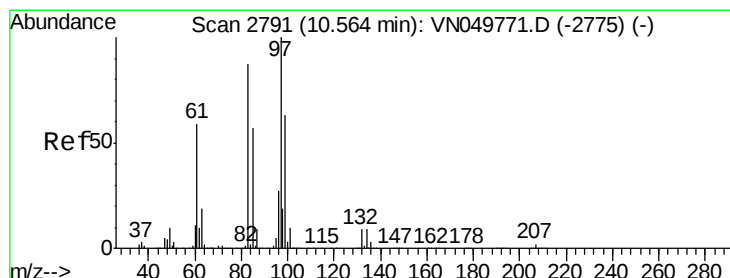
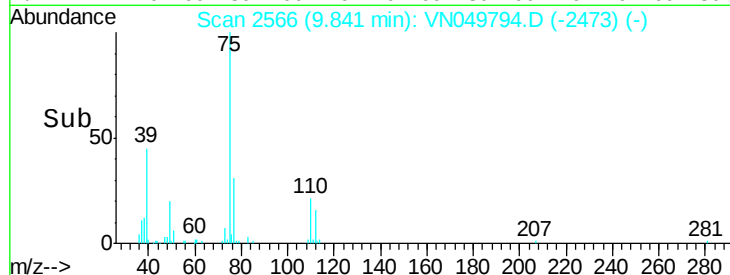
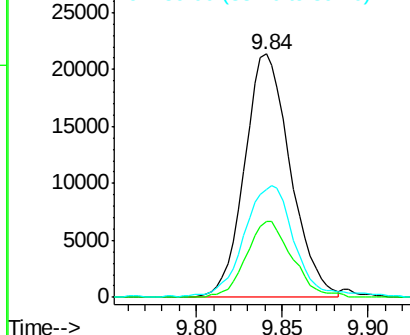
75 100

77 31.4 25.3 37.9

39 43.7 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 1.72 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Tgt Ion: 97 Resp: 30510

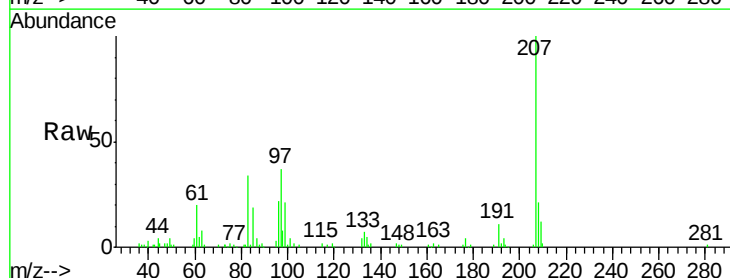
Ion Ratio Lower Upper

97 100

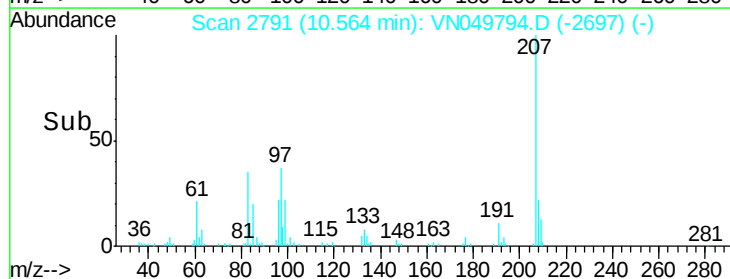
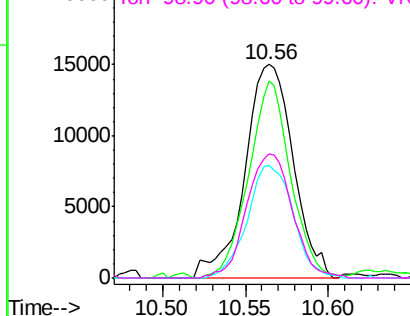
83 90.9 69.0 103.6

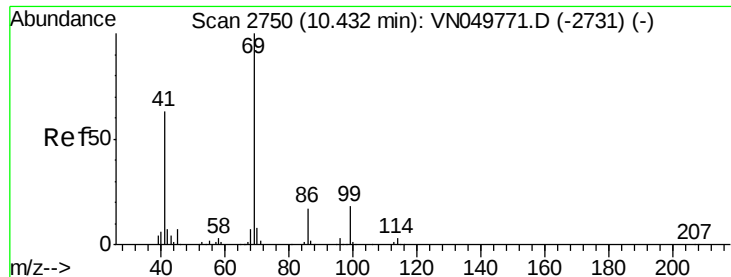
85 52.5 44.9 67.3

99 58.1 49.8 74.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 1.65 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

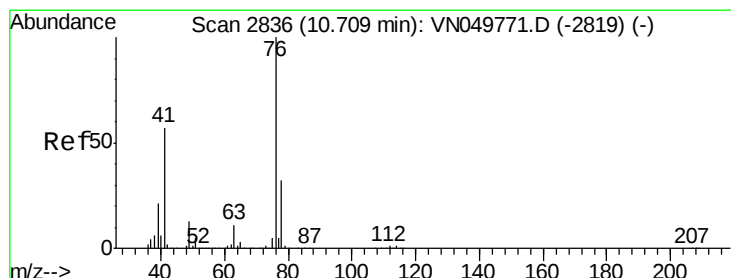
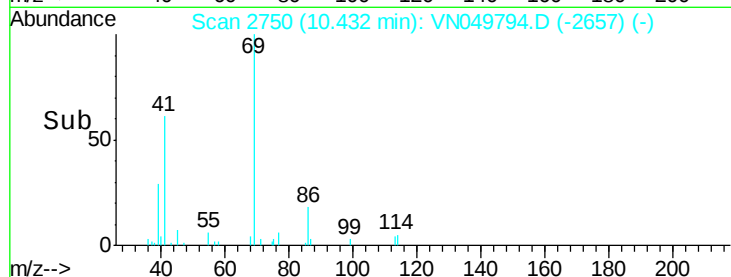
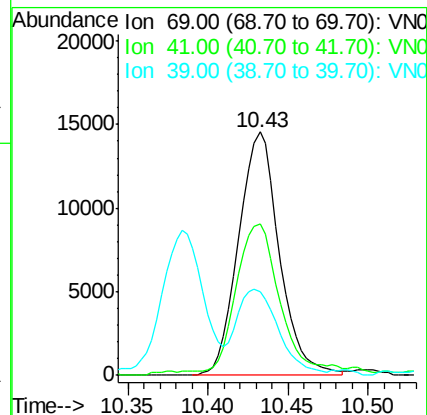
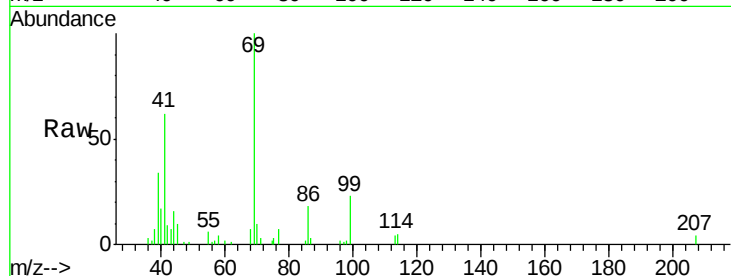
Tot Ion: 69 Resp: 25217

Ion Ratio Lower Upper

69 100

41 64.7 51.6 77.4

39 37.1 25.8 38.8



#57

1,3-Dichloropropane

Concen: 2.02 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN049794.D

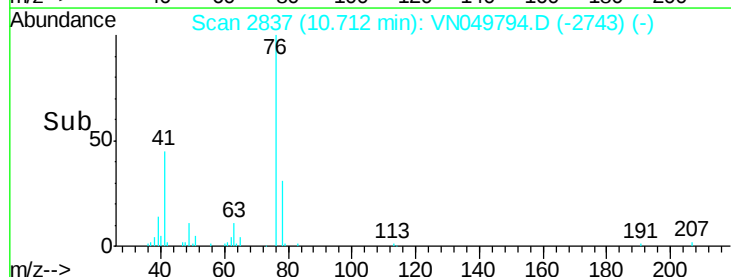
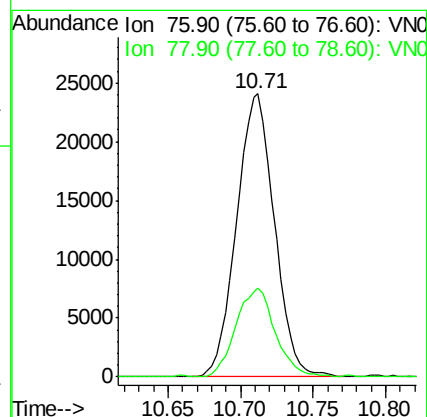
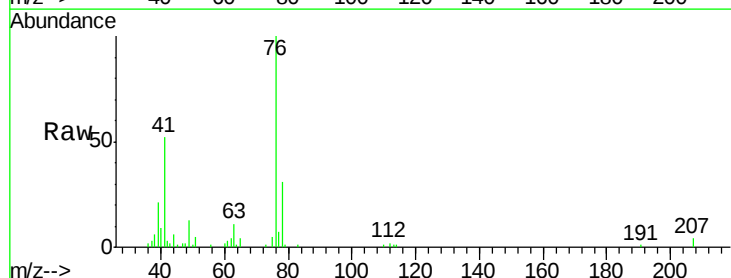
Acq: 13 Jul 2018 13:58

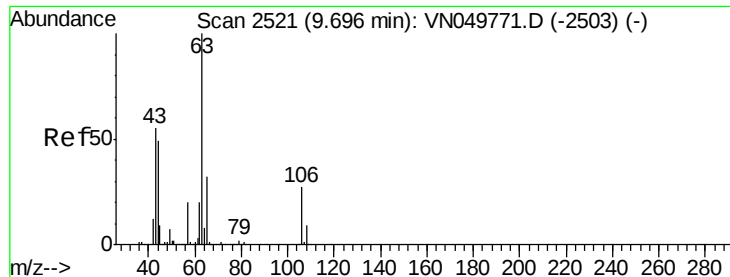
Tgt Ion: 76 Resp: 43633

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8





#58

2-Chloroethyl Vinyl ether

Concen: 7.51 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

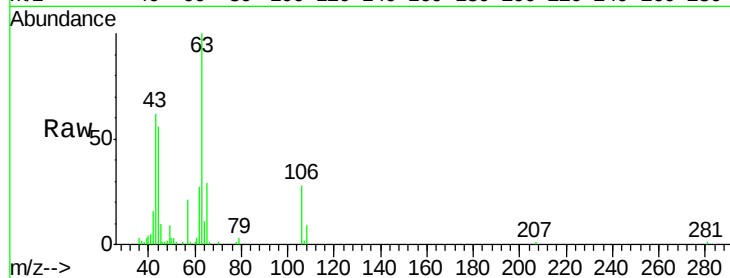
LOQ-WATER-02-QT3-2018

Tot Ion: 63 Resp: 55083

Ion Ratio Lower Upper

63 100

106 27.7 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.70

30000

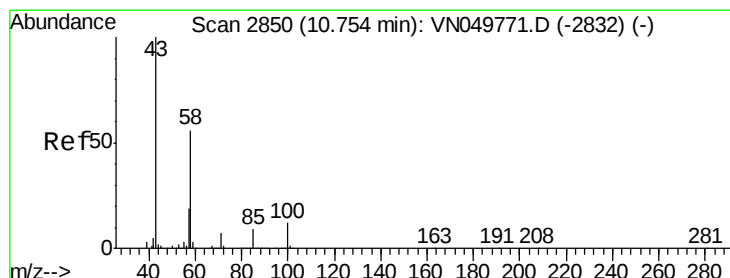
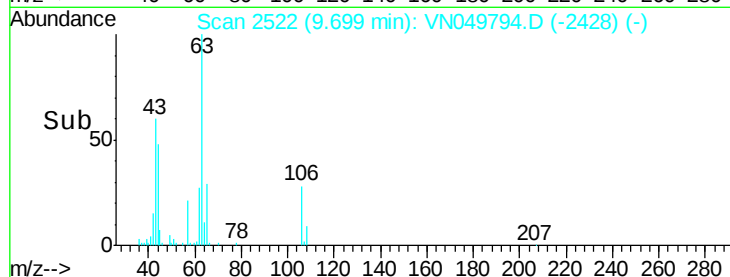
20000

10000

0

Time-->

9.65 9.70 9.75



#59

2-Hexanone

Concen: 8.30 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049794.D

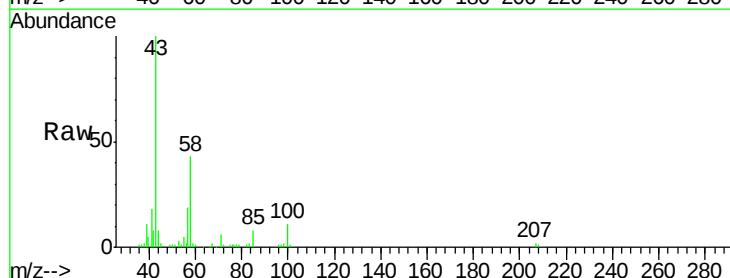
Acq: 13 Jul 2018 13:58

Tgt Ion: 43 Resp: 60361

Ion Ratio Lower Upper

43 100

58 47.5 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

40000

30000

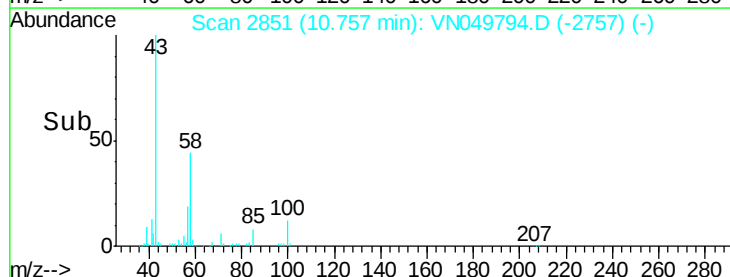
20000

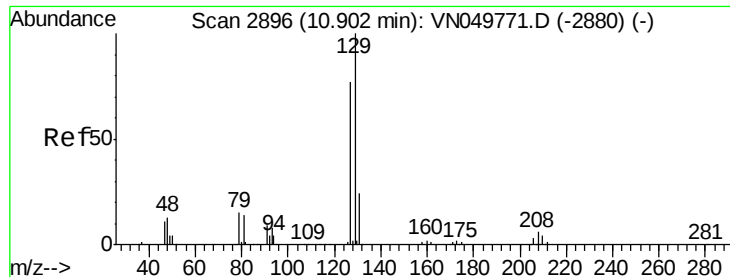
10000

0

Time-->

10.70 10.75 10.80 10.85





#60

Dibromochloromethane

Concen: 1.91 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

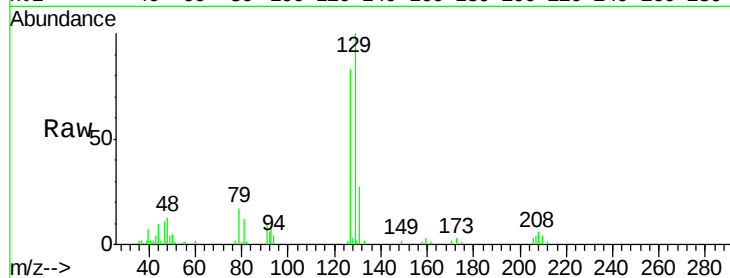
LOQ-WATER-02-QT3-2018

Tot Ion:129 Resp: 28316

Ion Ratio Lower Upper

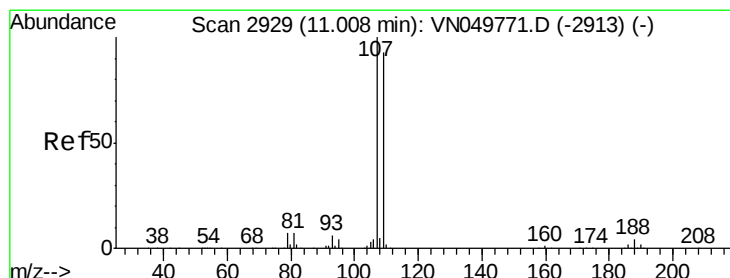
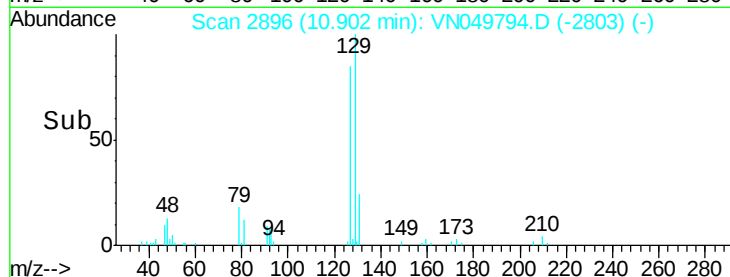
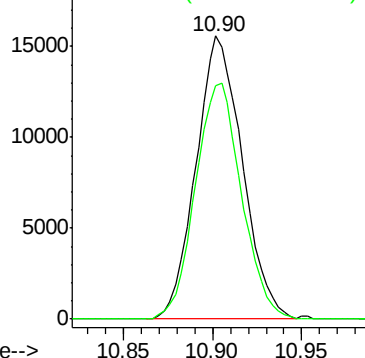
129 100

127 82.7 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049794.D

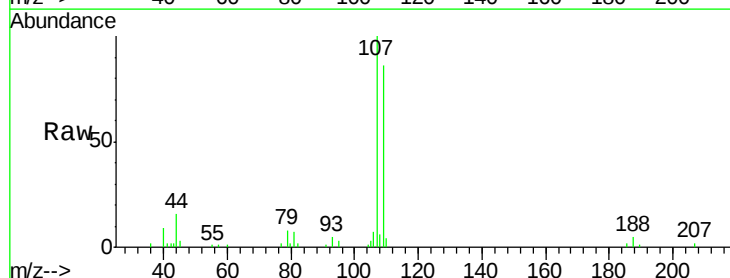
Acq: 13 Jul 2018 13:58

Tgt Ion:107 Resp: 24722

Ion Ratio Lower Upper

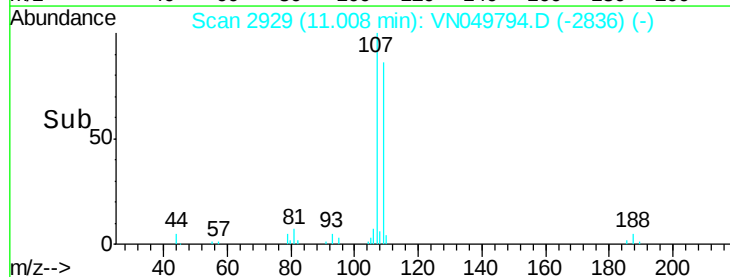
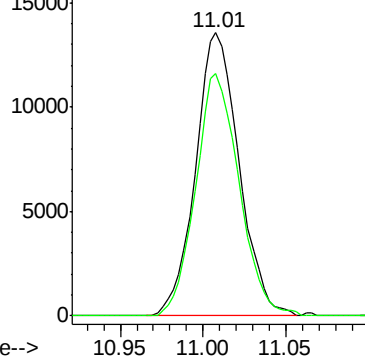
107 100

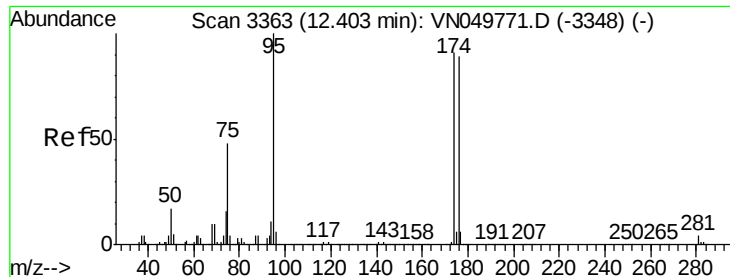
109 85.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

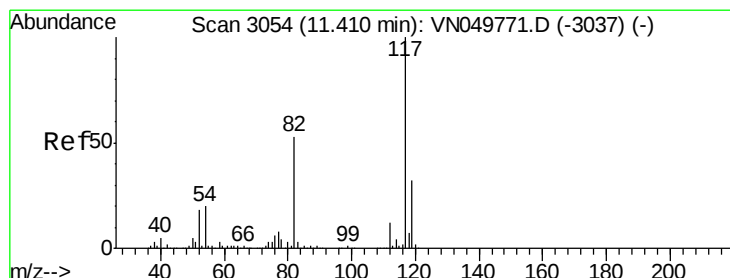
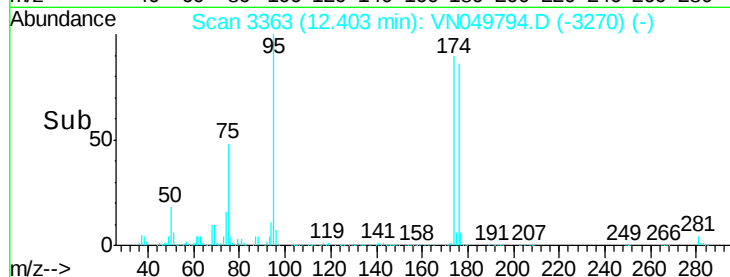
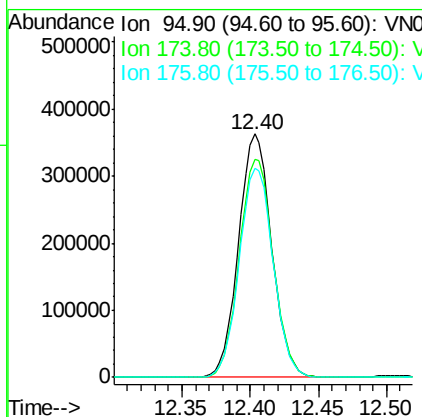
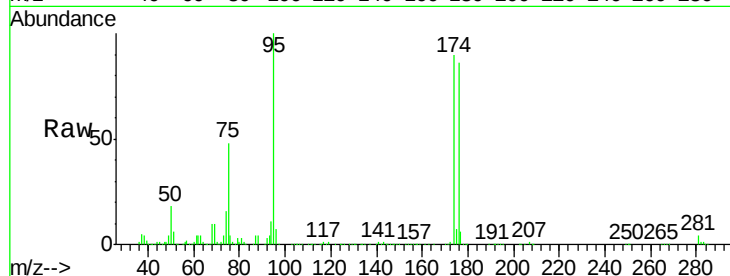




#62
4-Bromofluorobenzene
Concen: 40.45 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

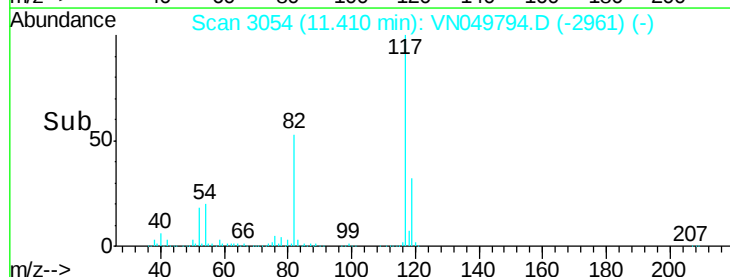
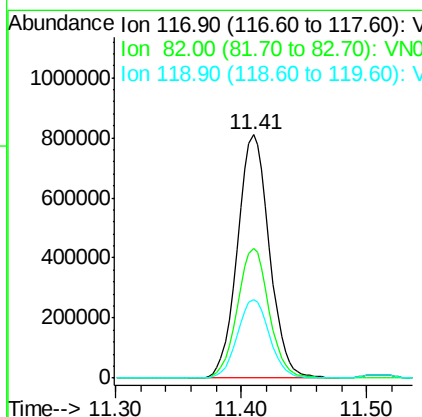
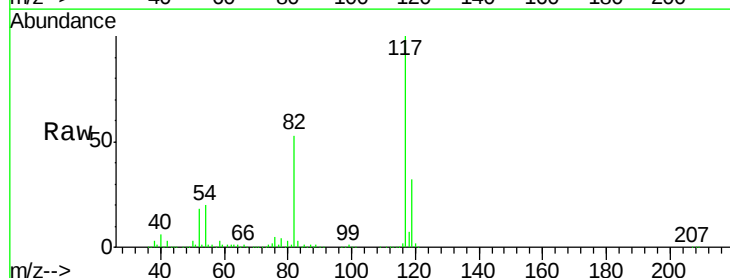
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

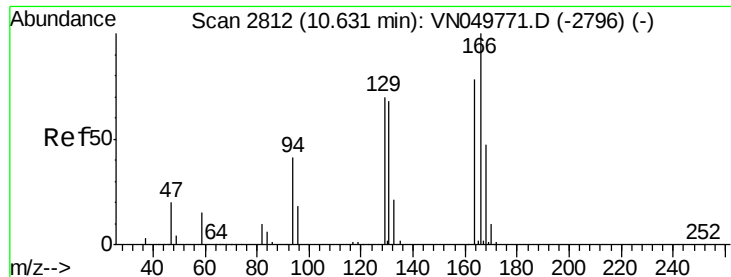
Tot Ion: 95 Resp: 612259
Ion Ratio Lower Upper
95 100
174 91.7 0.0 179.6
176 87.9 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Tgt Ion: 117 Resp: 1432236
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 32.4 25.4 38.2





#64

Tetrachloroethene

Concen: 2.15 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:164 Resp: 27971

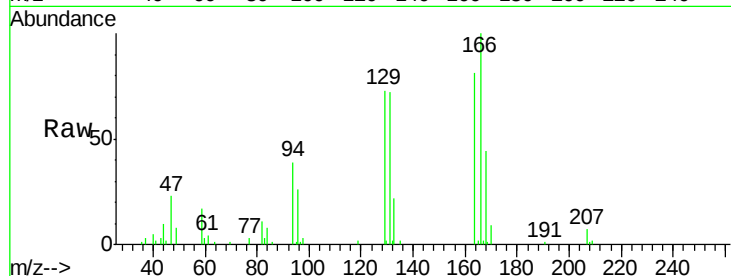
Ion Ratio Lower Upper

164 100

166 122.8 101.8 152.6

129 90.1 72.8 109.2

131 88.0 70.0 105.0

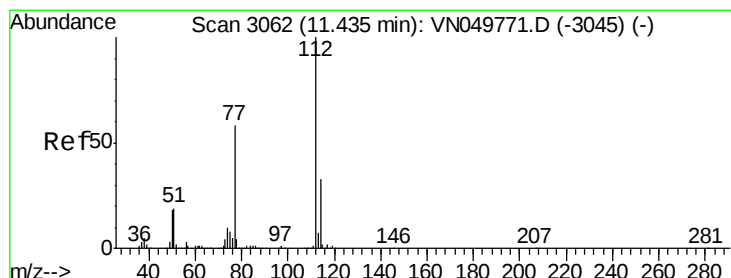
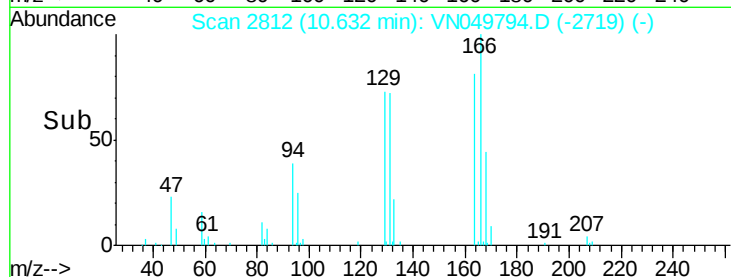
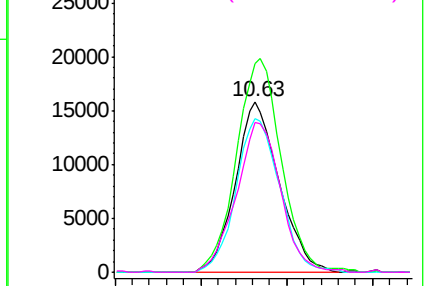


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.06 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049794.D

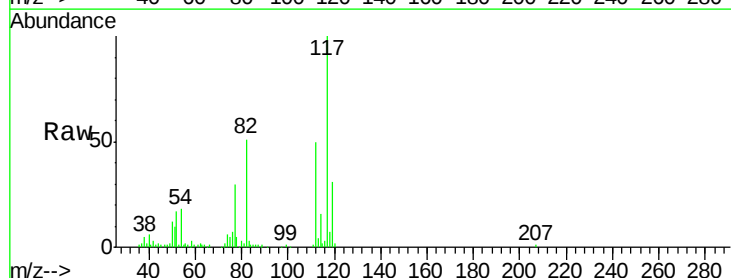
Acq: 13 Jul 2018 13:58

Tgt Ion:112 Resp: 76983

Ion Ratio Lower Upper

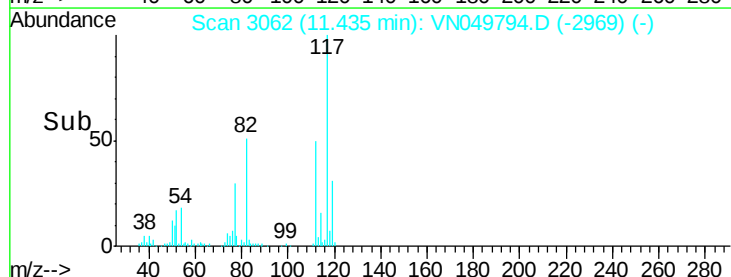
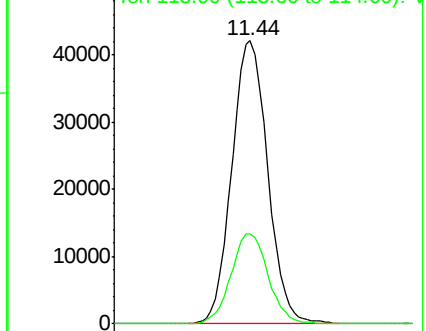
112 100

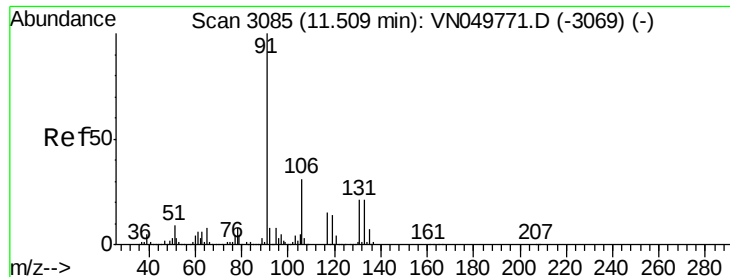
114 32.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 2.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

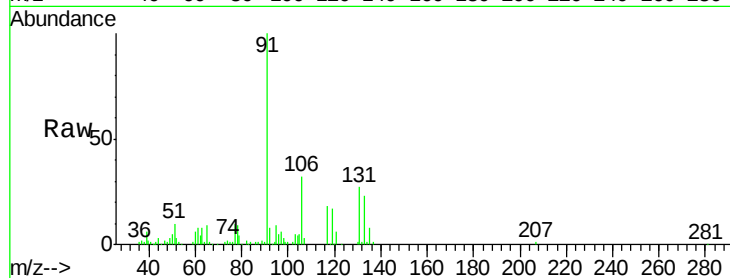
Tot Ion:131 Resp: 30079

Ion Ratio Lower Upper

131 100

133 93.2 47.5 142.6

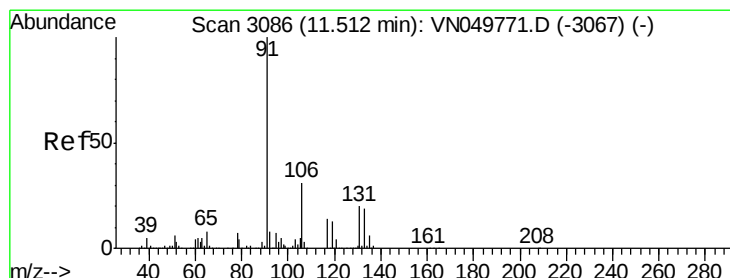
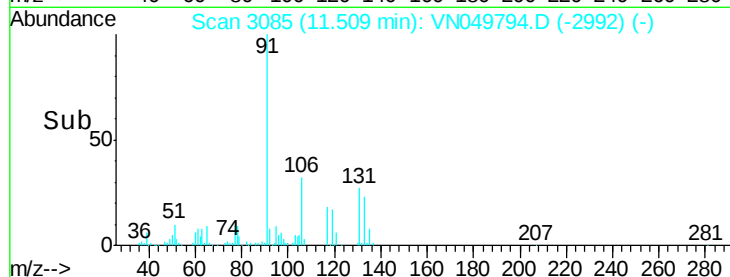
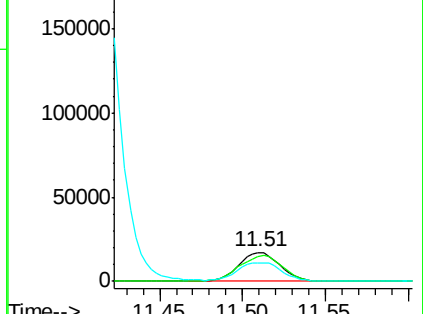
119 67.8 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.87 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049794.D

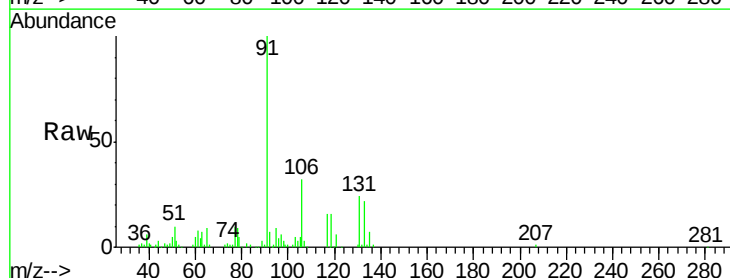
Acq: 13 Jul 2018 13:58

Tgt Ion: 91 Resp: 114518

Ion Ratio Lower Upper

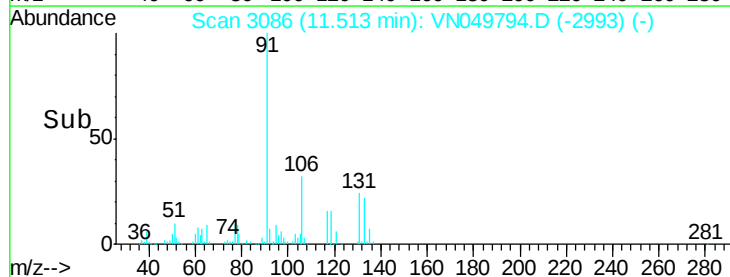
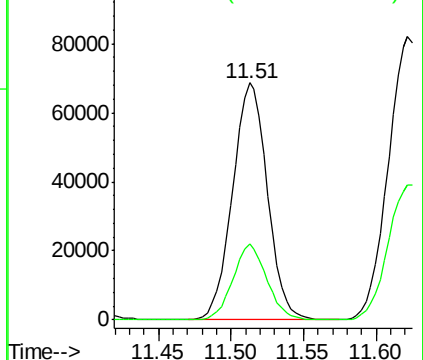
91 100

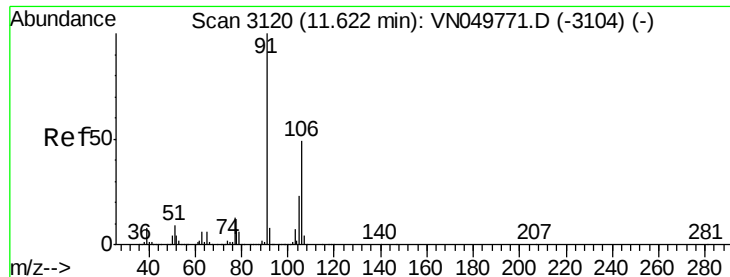
106 32.1 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 3.40 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

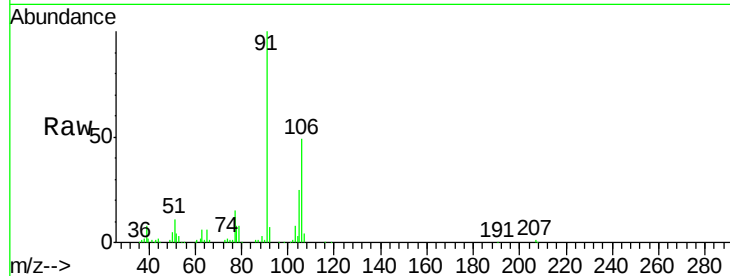
LOQ-WATER-02-QT3-2018

Tot Ion:106 Resp: 78070

Ion Ratio Lower Upper

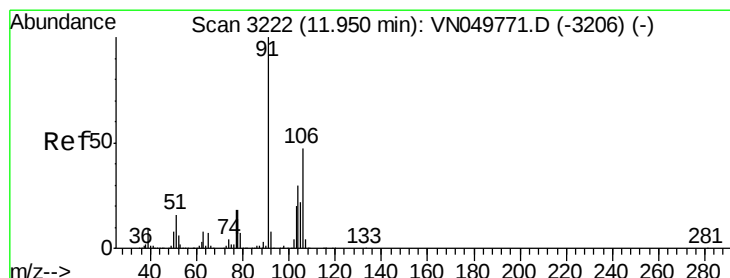
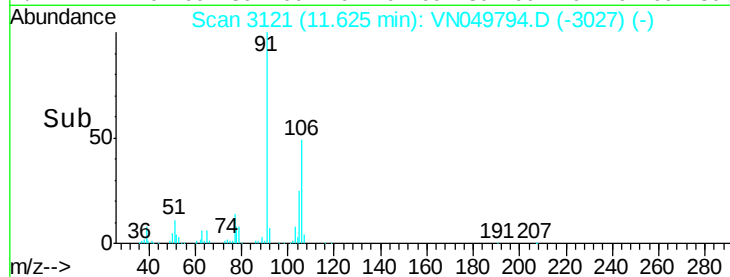
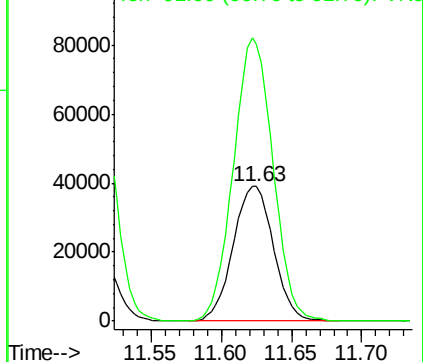
106 100

91 206.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 1.74 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049794.D

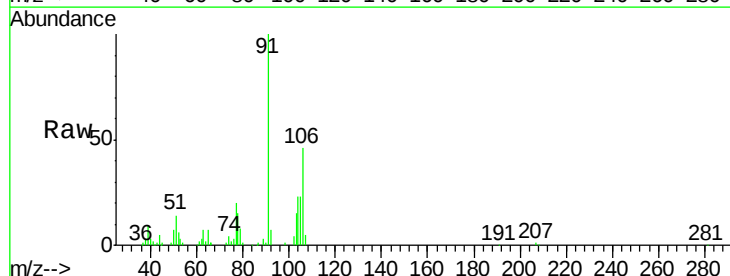
Acq: 13 Jul 2018 13:58

Tgt Ion:106 Resp: 38570

Ion Ratio Lower Upper

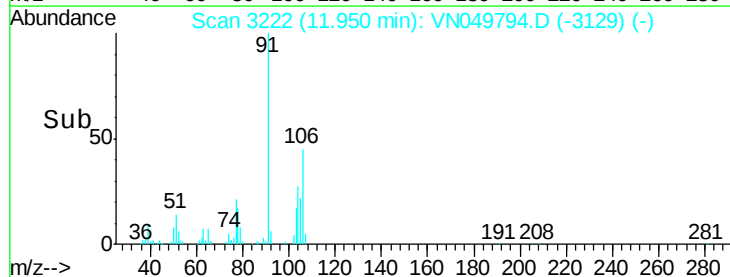
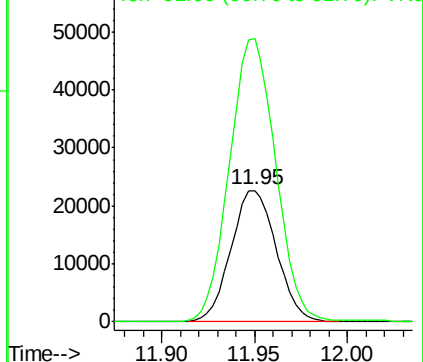
106 100

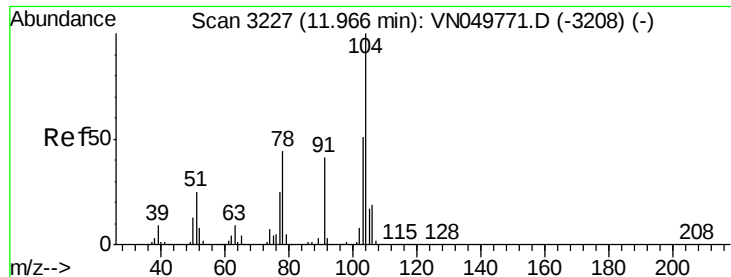
91 219.7 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 1.56 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

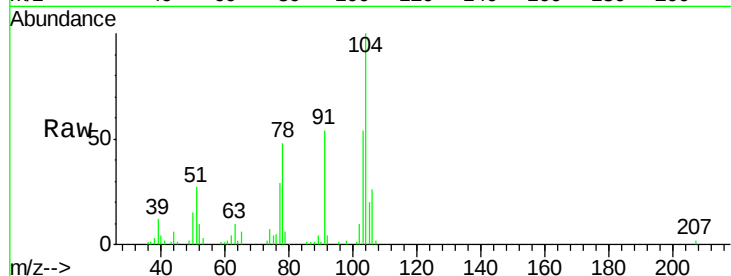
Tot Ion:104 Resp: 54875

Ion Ratio Lower Upper

104 100

78 50.8 39.2 58.8

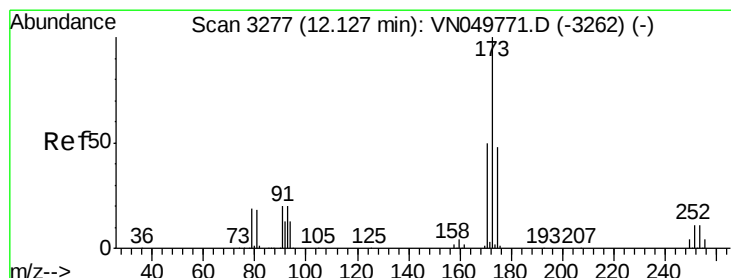
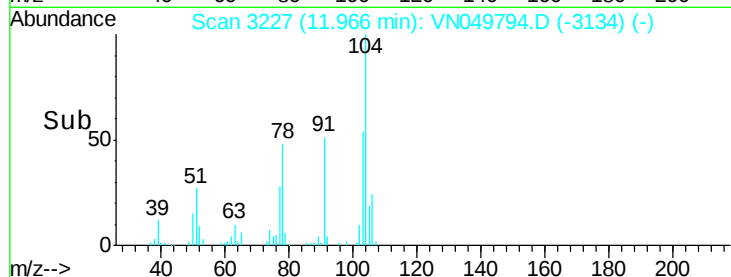
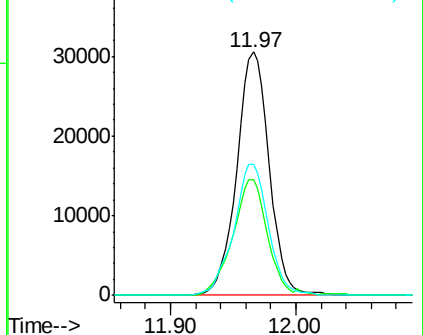
103 57.3 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 1.85 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

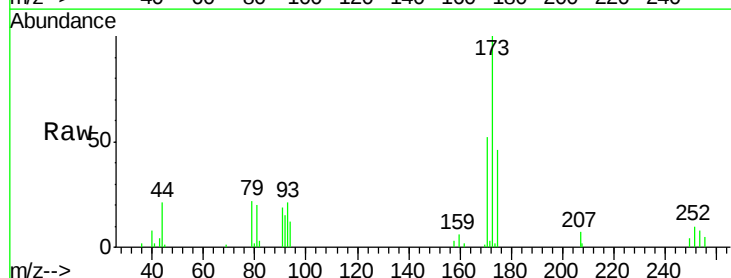
Tgt Ion:173 Resp: 17546

Ion Ratio Lower Upper

173 100

175 48.2 24.6 73.8

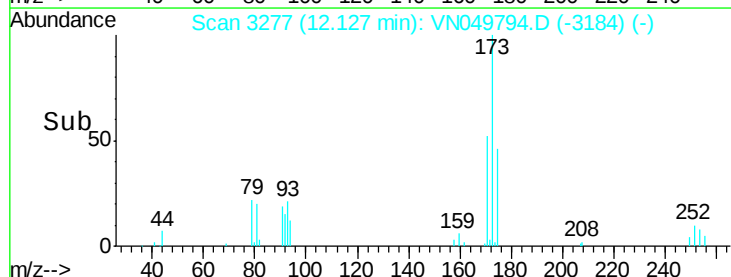
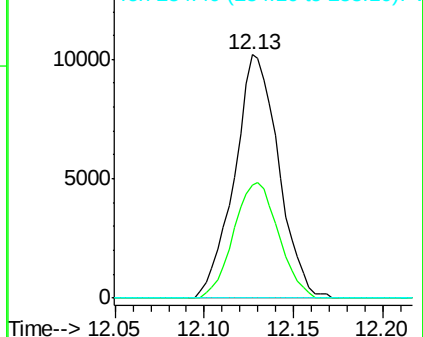
254 0.0 0.2 0.2#

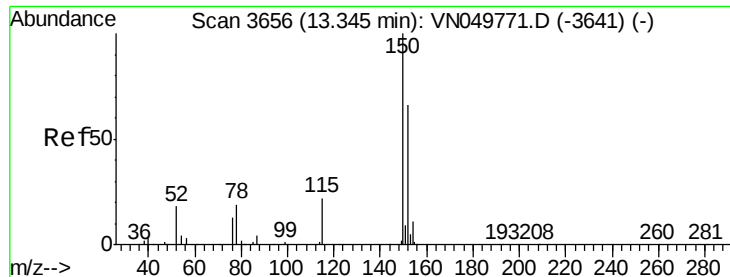


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

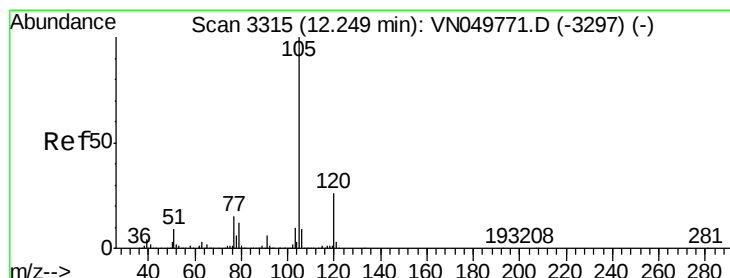
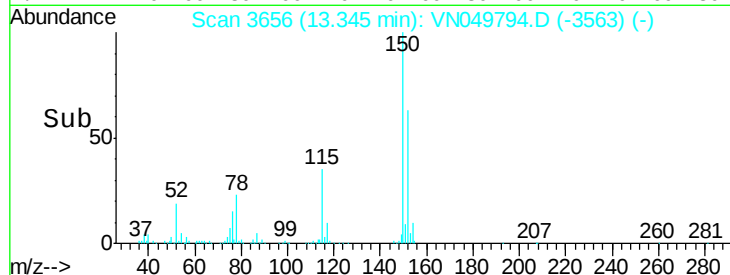
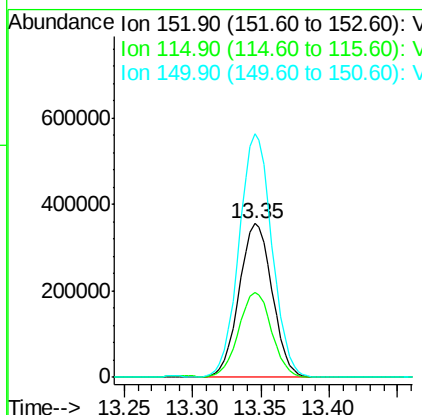
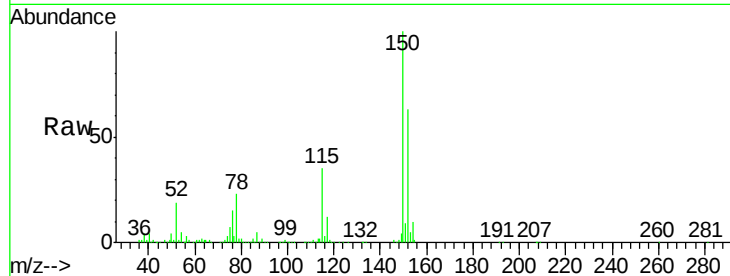




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

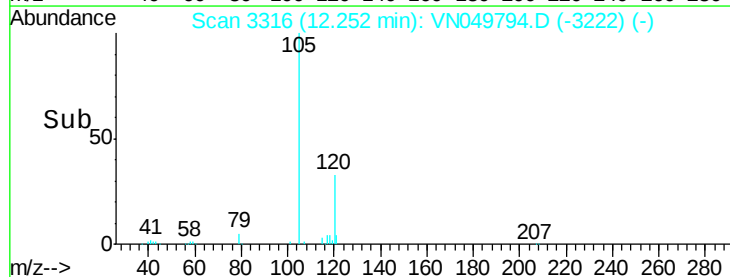
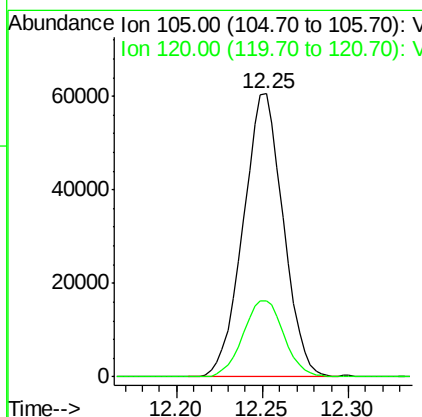
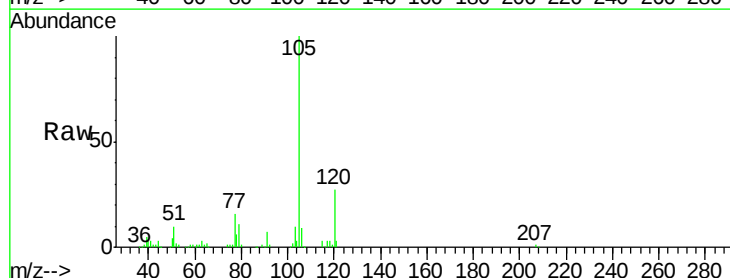
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

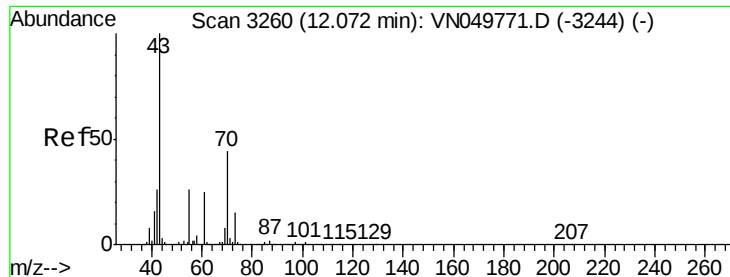
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.1	84.2
150	157.4	0.0	347.6



#73
 Isopropylbenzene
 Concen: 1.97 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.3	39.8





#74

N-amyl acetate

Concen: 1.78 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 23034

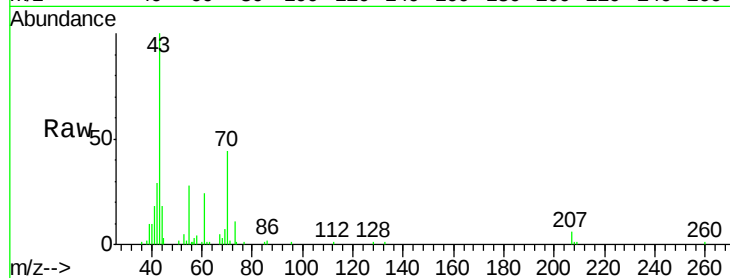
Ion Ratio Lower Upper

43 100

70 41.3 34.8 52.2

55 27.4 20.9 31.3

61 23.1 19.9 29.9

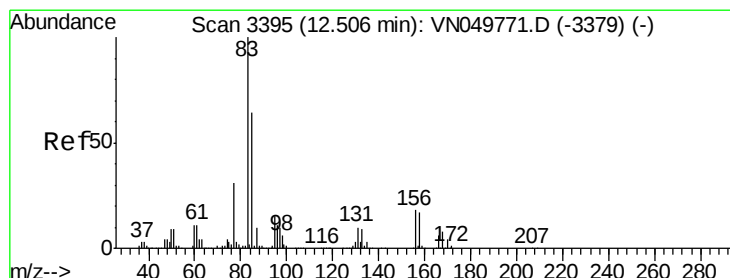
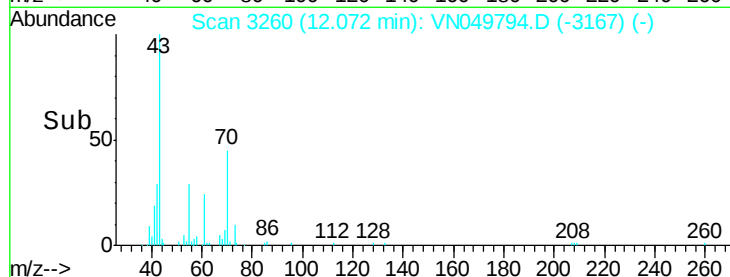
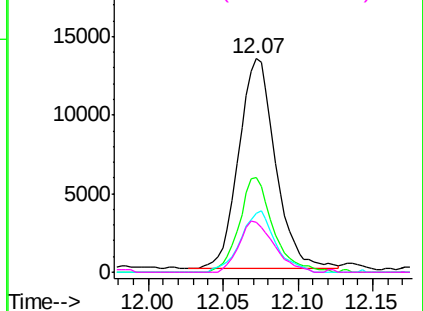


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.88 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

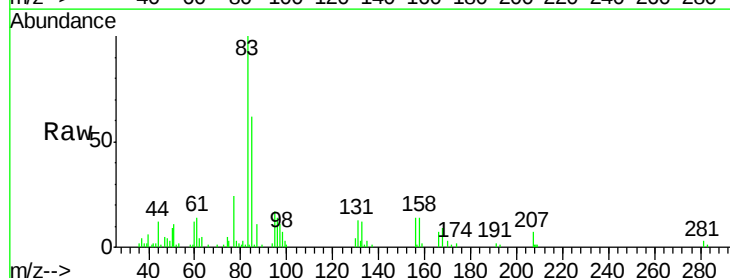
Tgt Ion: 83 Resp: 32249

Ion Ratio Lower Upper

83 100

131 12.4 5.2 15.6

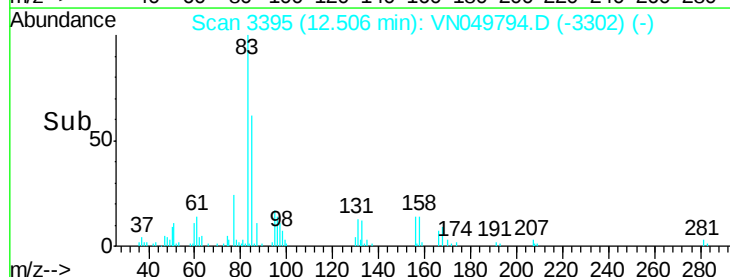
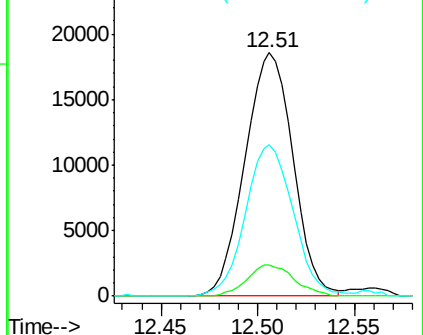
85 61.8 32.5 97.4

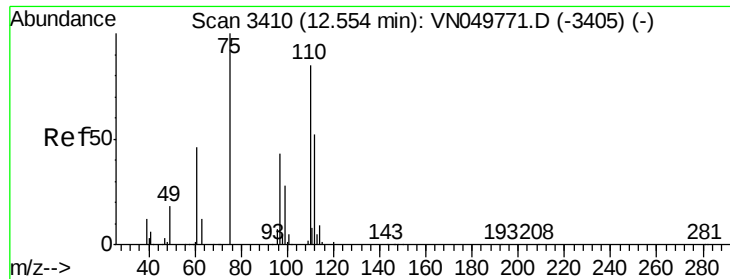


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 3.33 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

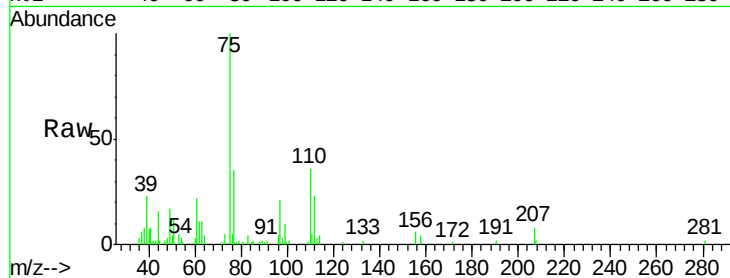
LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 35440

Ion Ratio Lower Upper

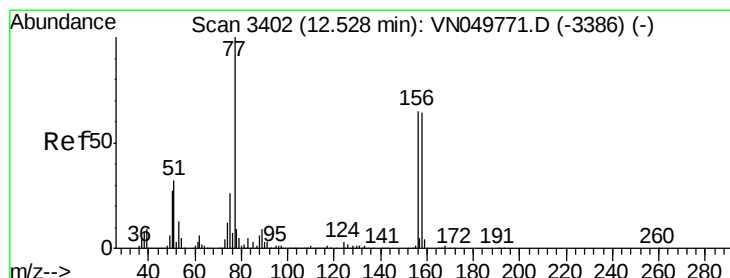
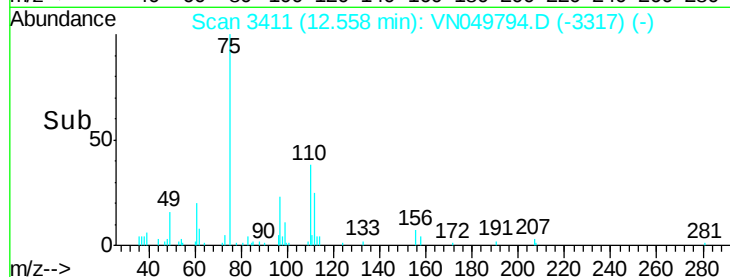
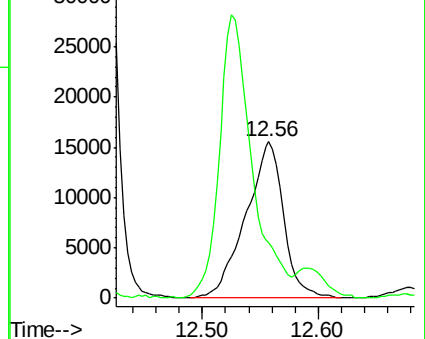
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3405) (-)



#77

Bromobenzene

Concen: 2.35 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

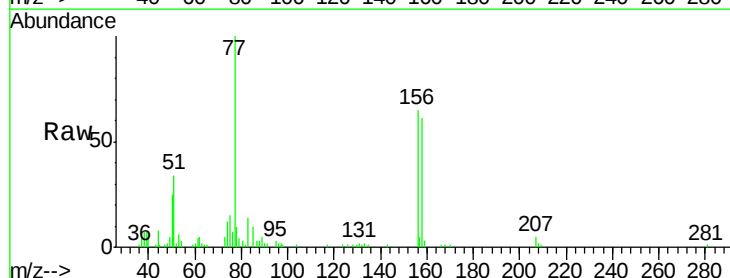
Tgt Ion: 156 Resp: 31055

Ion Ratio Lower Upper

156 100

77 178.5 90.2 270.6

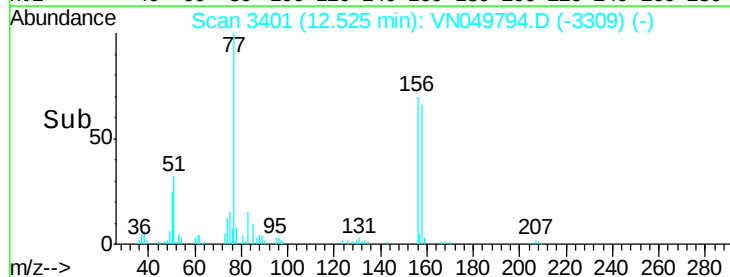
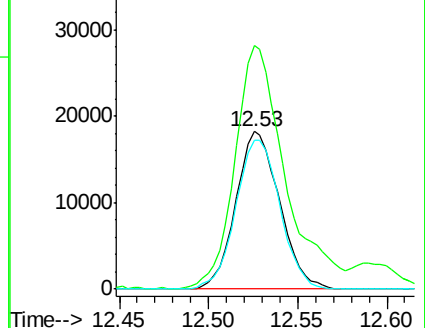
158 95.4 49.1 147.3

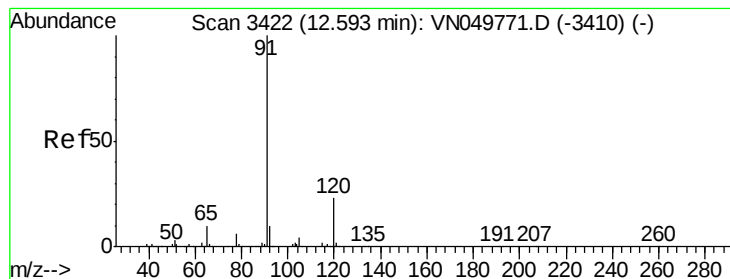


Abundance Ion 155.80 (155.50 to 156.50): VN049771.D (-3386) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3386) (-)

Ion 157.80 (157.50 to 158.50): VN049771.D (-3386) (-)





#78

n-propylbenzene

Concen: 2.00 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

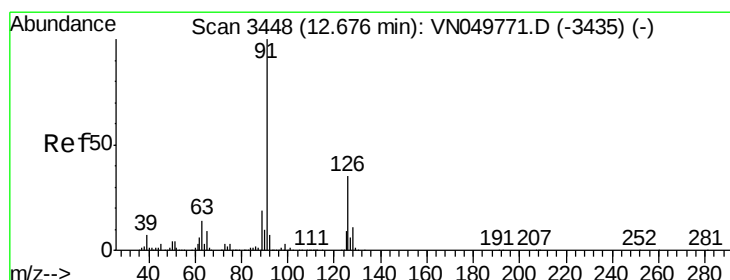
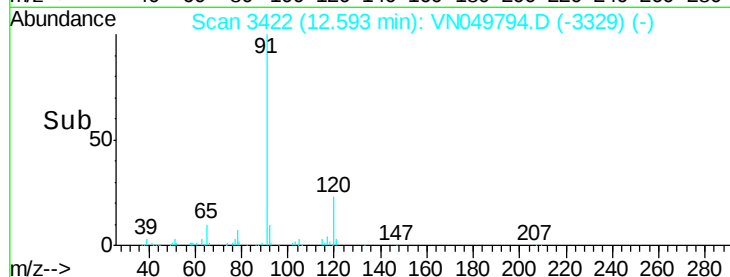
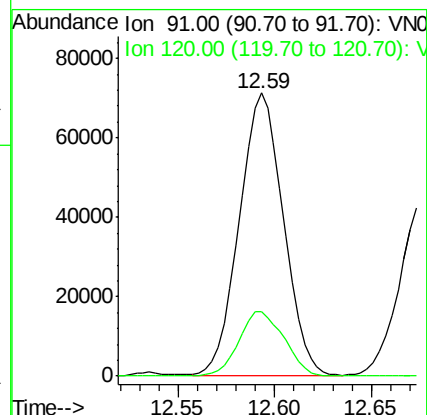
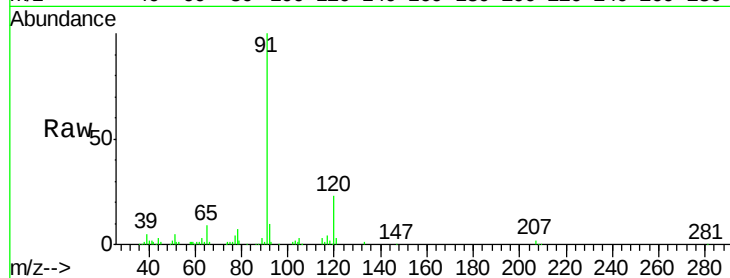
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 112340

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.4



#79

2-Chlorotoluene

Concen: 2.17 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049794.D

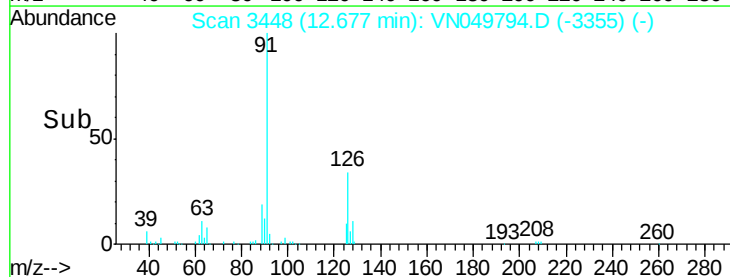
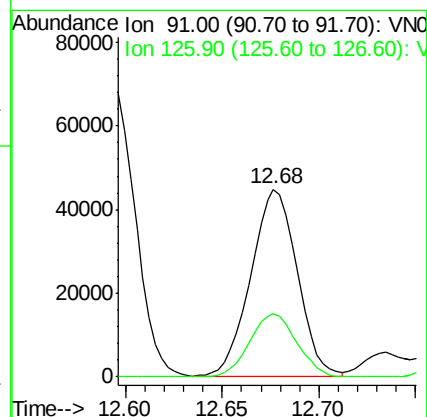
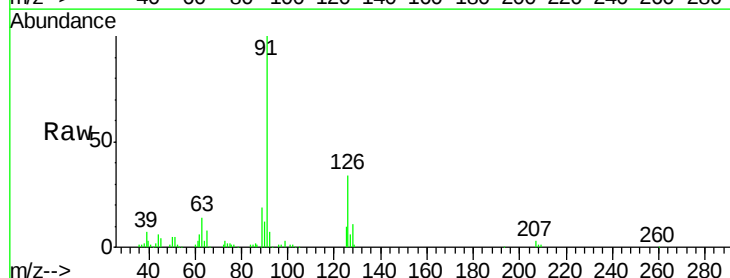
Acq: 13 Jul 2018 13:58

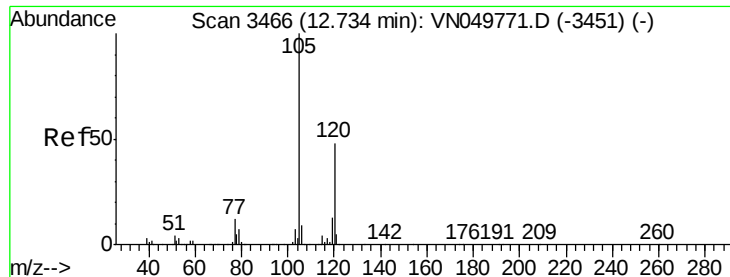
Tgt Ion: 91 Resp: 74550

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.5





#80

1,3,5-Trimethylbenzene

Concen: 2.04 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

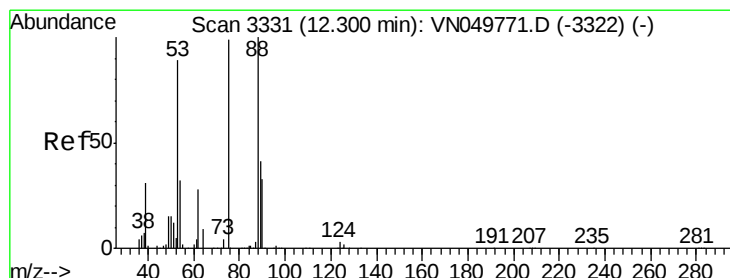
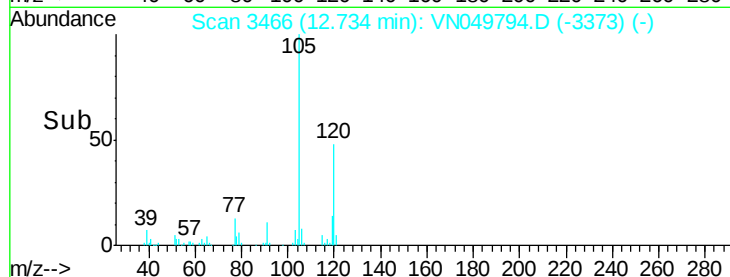
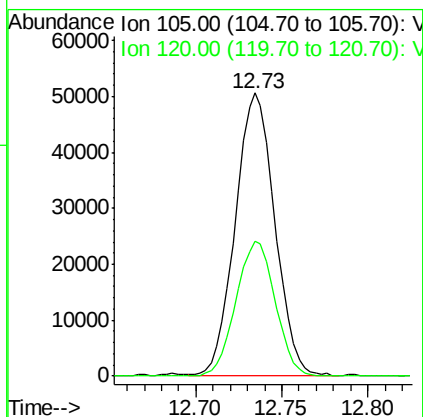
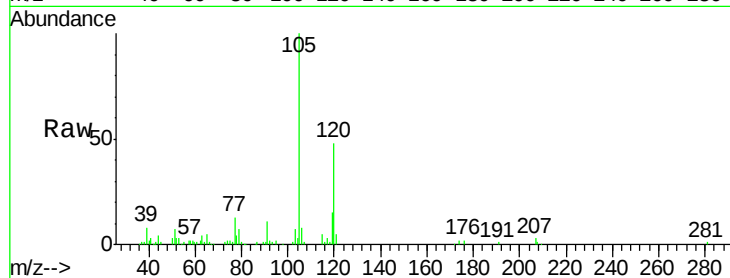
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 80791

Ion Ratio Lower Upper

105 100

120 47.2 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 89.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

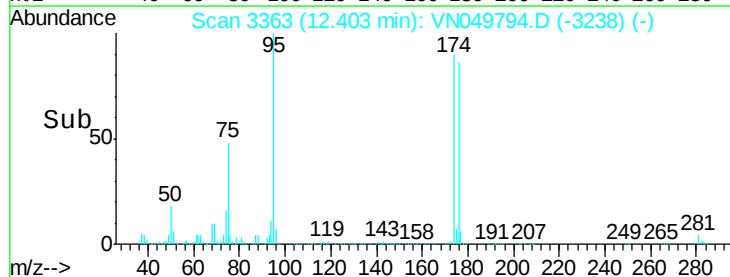
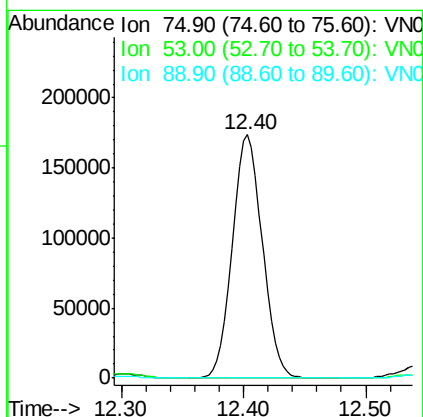
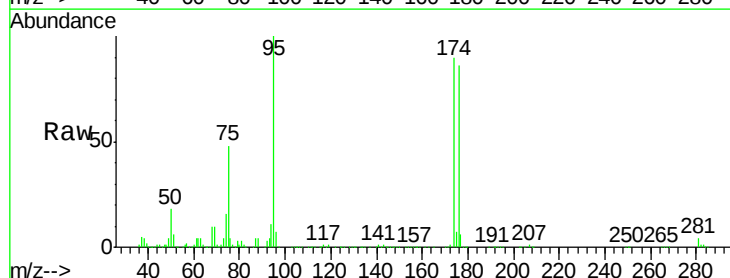
Tgt Ion: 75 Resp: 296526

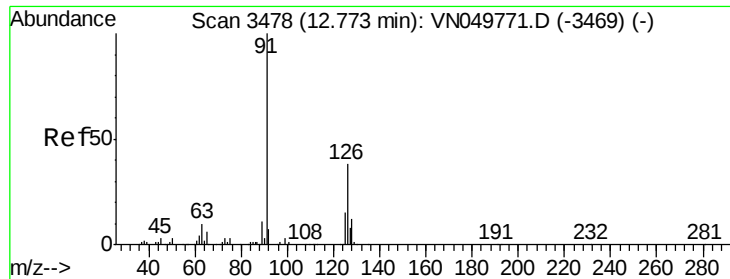
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 35.9 53.9#





#82

4-Chlorotoluene

Concen: 2.06 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

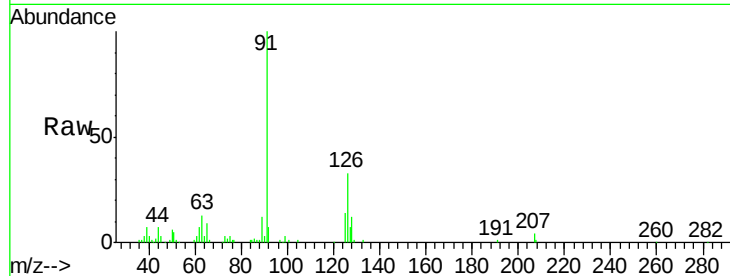
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 70408

Ion Ratio Lower Upper

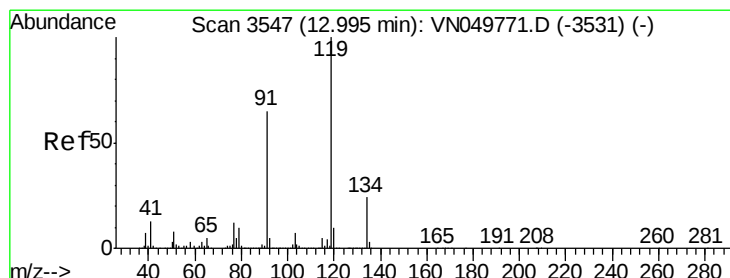
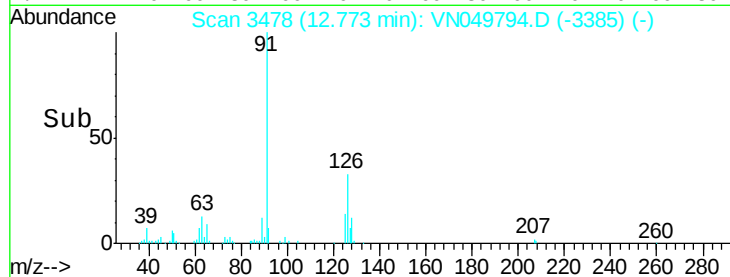
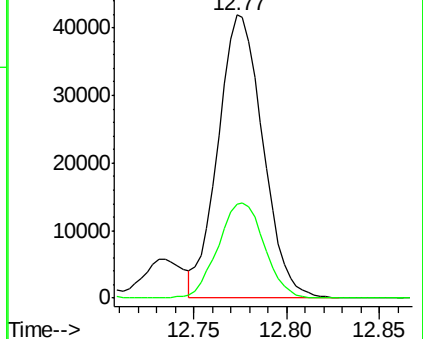
91 100

126 34.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3469) (-)



#83

tert-Butylbenzene

Concen: 2.07 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

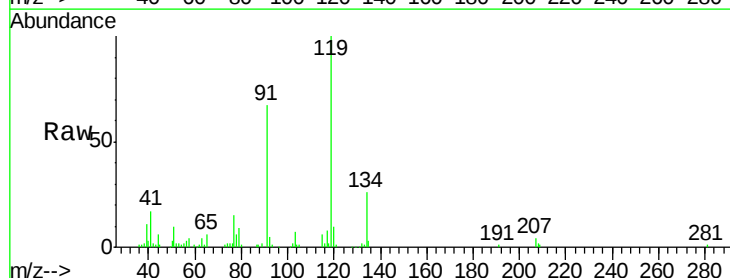
Tgt Ion: 119 Resp: 73277

Ion Ratio Lower Upper

119 100

91 64.3 32.0 96.2

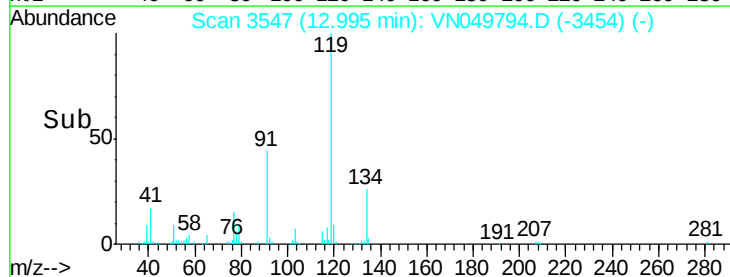
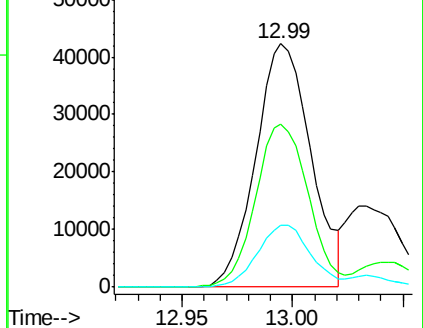
134 24.8 12.8 38.4

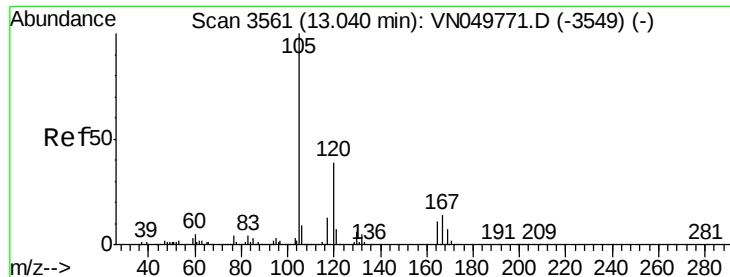


Abundance Ion 119.00 (118.70 to 119.70): VN049771.D (-3531) (-)

Ion 91.00 (90.70 to 91.70): VN049771.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN049771.D (-3531) (-)





#84

1,2,4-Trimethylbenzene

Concen: 1.85 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

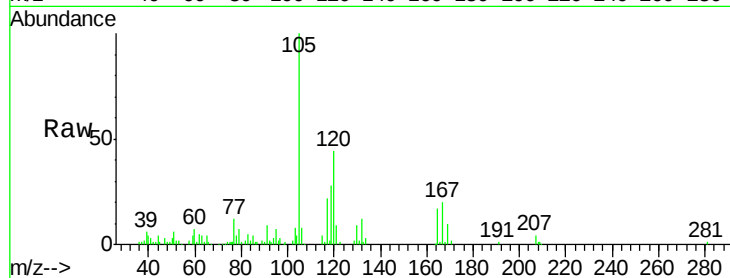
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 73286

Ion Ratio Lower Upper

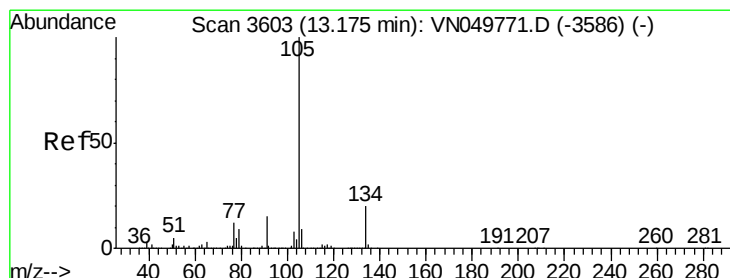
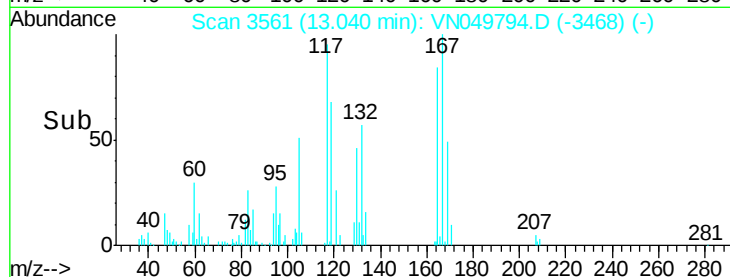
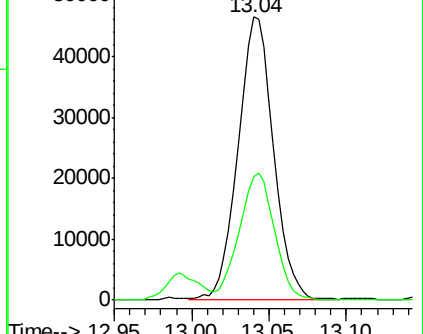
105 100

120 45.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.95 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049794.D

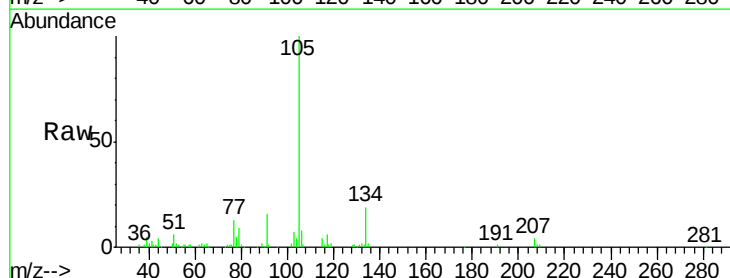
Acq: 13 Jul 2018 13:58

Tgt Ion:105 Resp: 90731

Ion Ratio Lower Upper

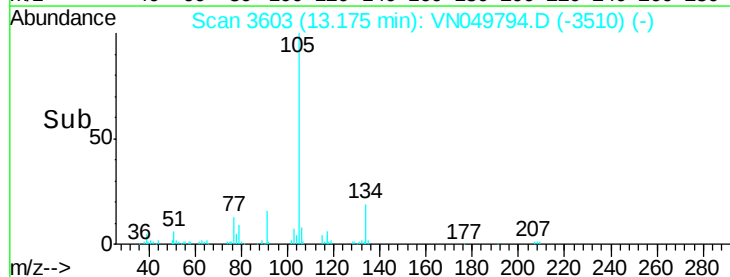
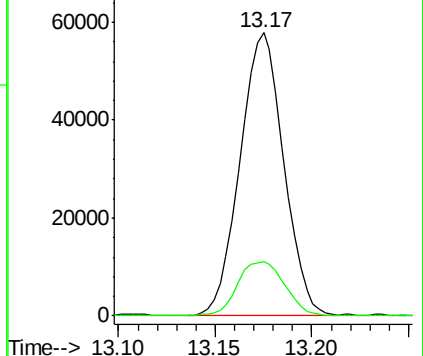
105 100

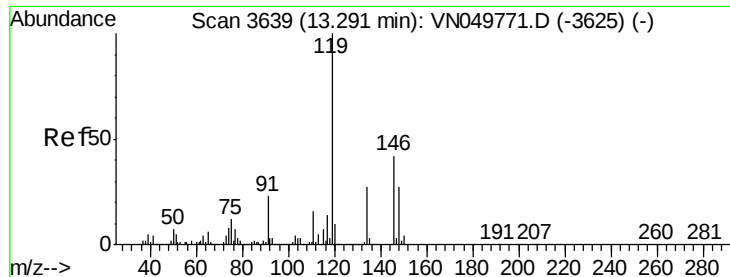
134 20.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

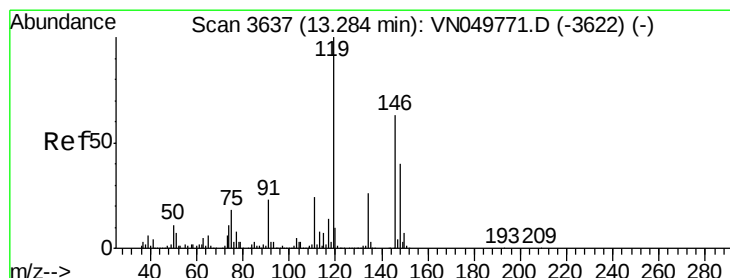
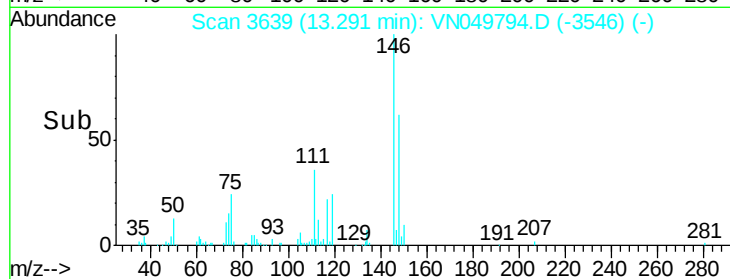
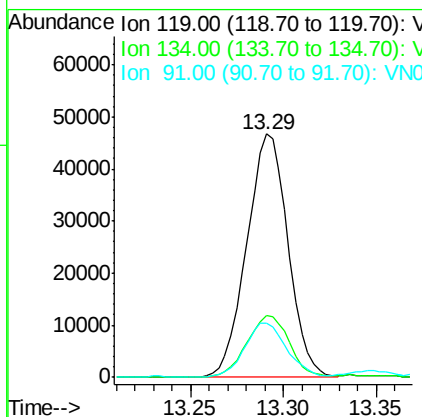
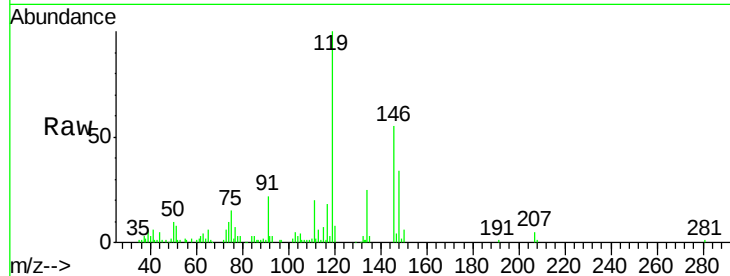




#86
p-Isopropyltoluene
Concen: 1.85 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

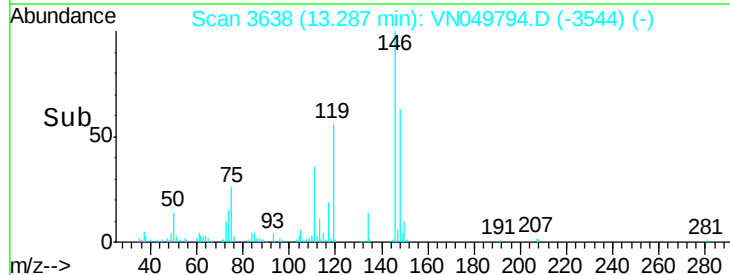
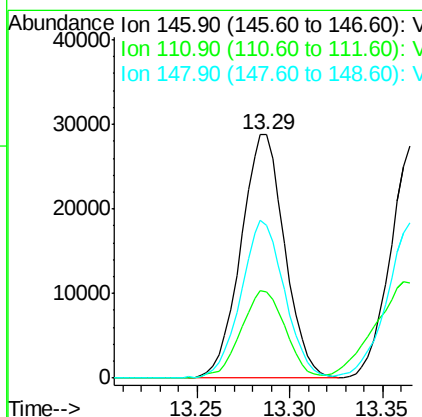
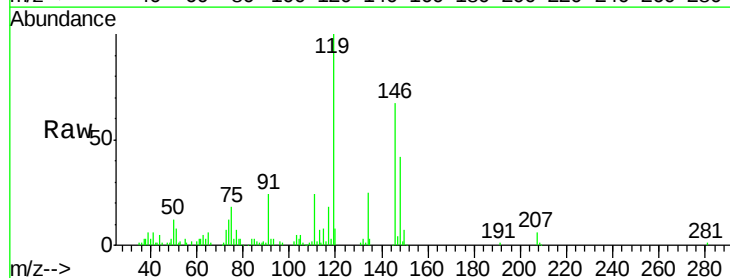
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

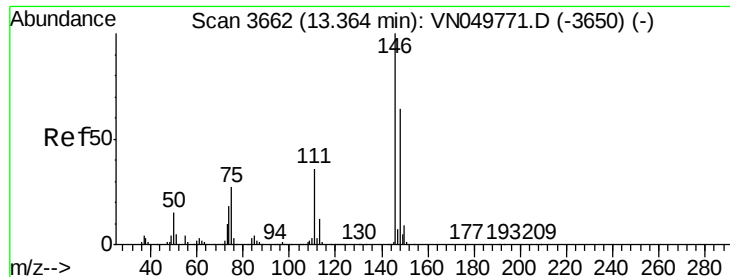
Tot Ion:119 Resp: 72663
Ion Ratio Lower Upper
119 100
134 25.9 13.3 39.9
91 22.9 11.4 34.1



#87
1,3-Dichlorobenzene
Concen: 2.06 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Tgt Ion:146 Resp: 47310
Ion Ratio Lower Upper
146 100
111 36.4 19.0 57.0
148 64.4 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: 2.07 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

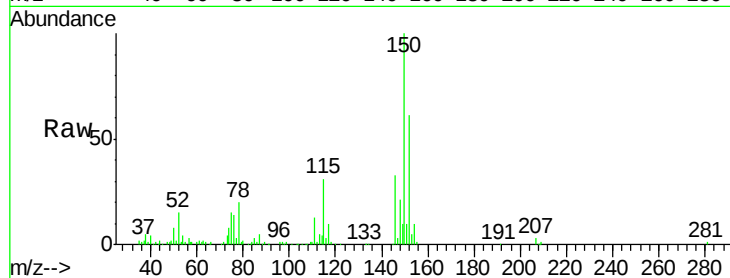
Tot Ion:146 Resp: 46127

Ion Ratio Lower Upper

146 100

111 51.9 18.9 56.5

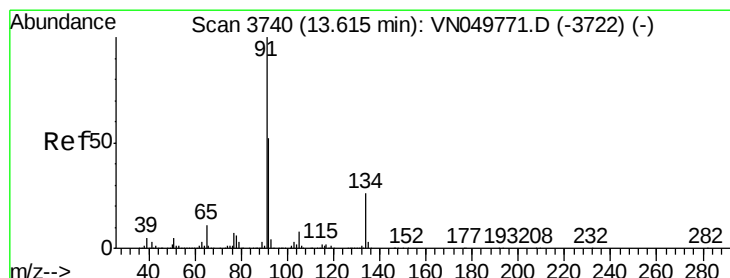
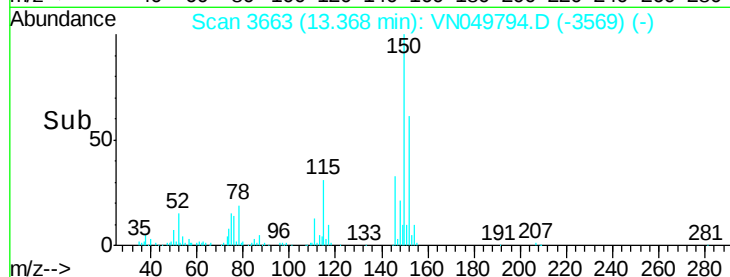
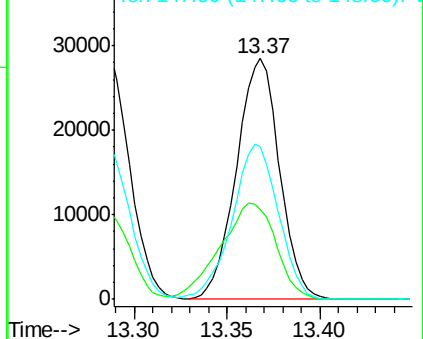
148 68.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.62 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

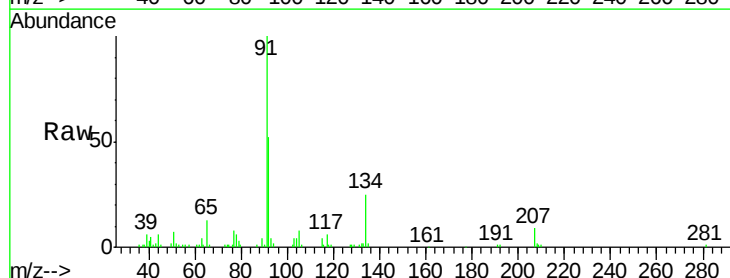
Tgt Ion: 91 Resp: 52646

Ion Ratio Lower Upper

91 100

92 49.8 25.8 77.3

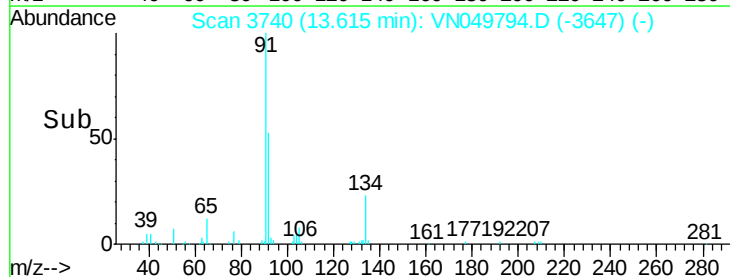
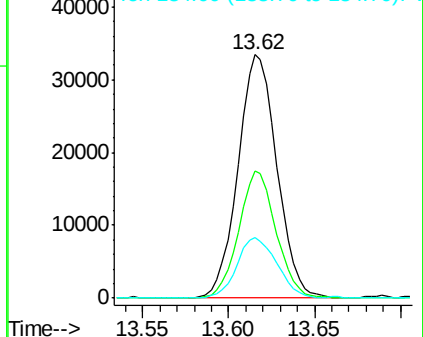
134 25.3 13.0 38.9

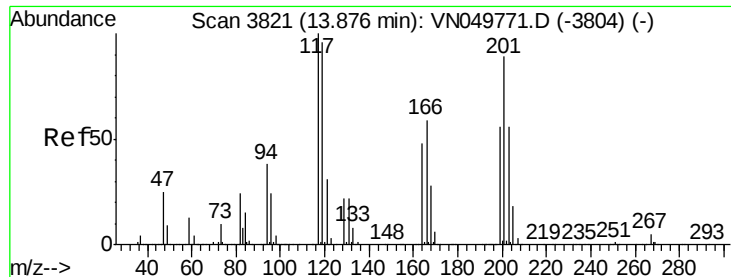


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

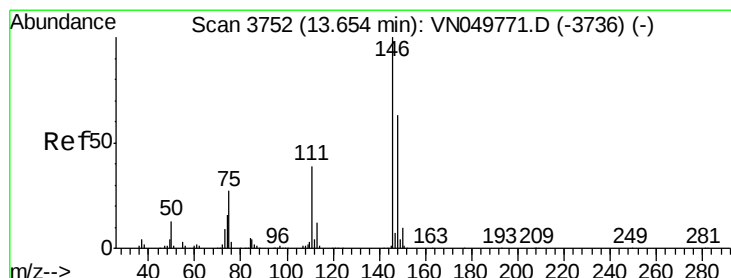
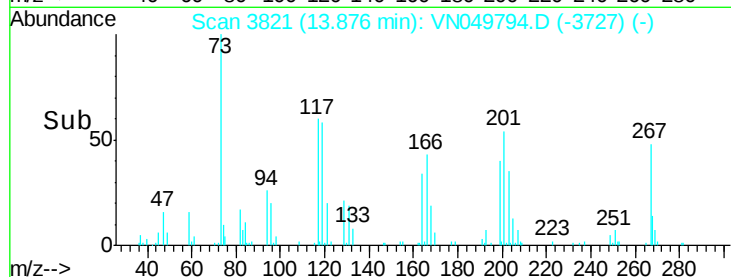
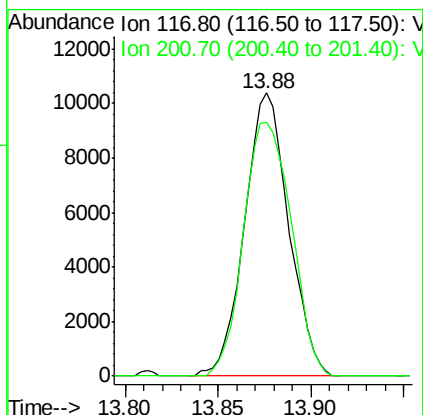
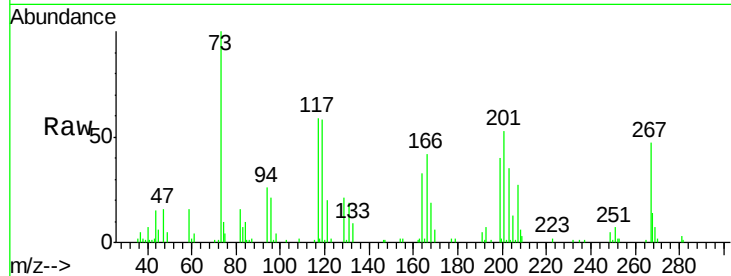




#90
Hexachloroethane
Concen: 1.45 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

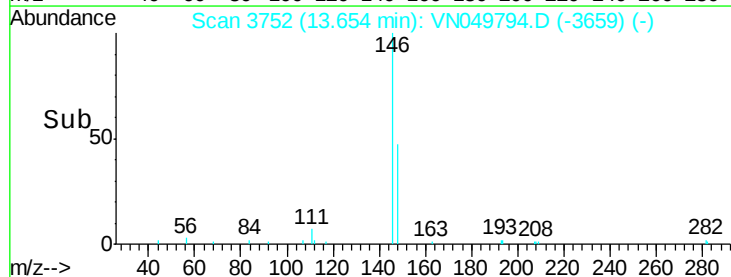
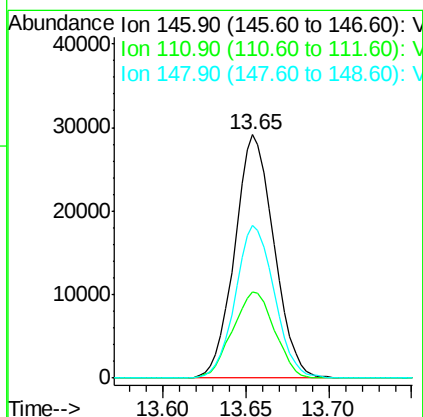
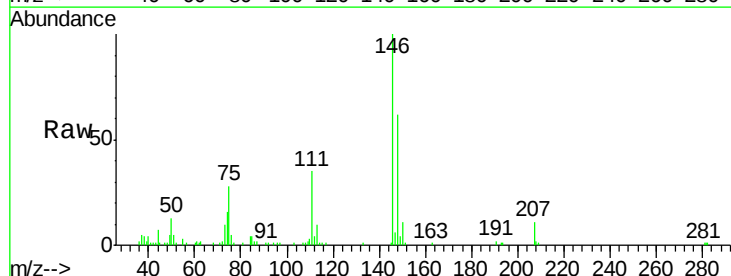
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

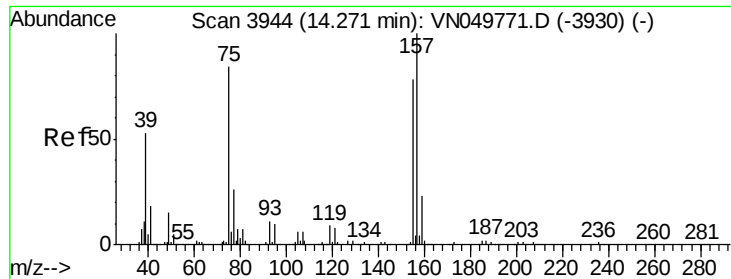
Tot Ion:117 Resp: 17222
Ion Ratio Lower Upper
117 100
201 97.6 45.3 135.8



#91
1,2-Dichlorobenzene
Concen: 2.15 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. 0.00 min
Lab File: VN049794.D
Acq: 13 Jul 2018 13:58

Tgt Ion:146 Resp: 48022
Ion Ratio Lower Upper
146 100
111 37.8 19.7 59.1
148 62.3 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.10 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

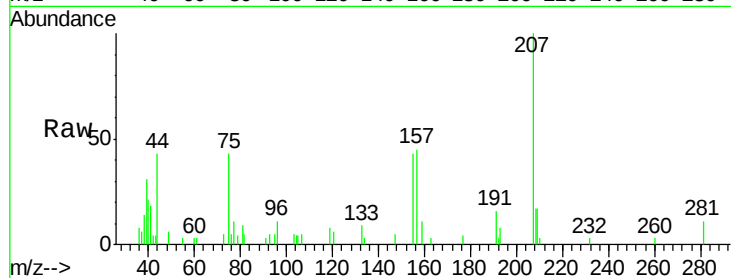
Tot Ion: 75 Resp: 4524

Ion Ratio Lower Upper

75 100

155 91.7 45.7 137.1

157 104.4 56.9 170.7

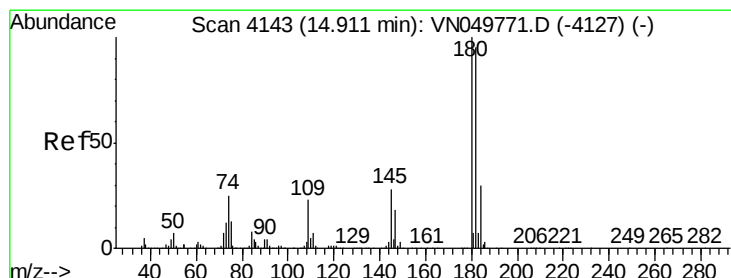
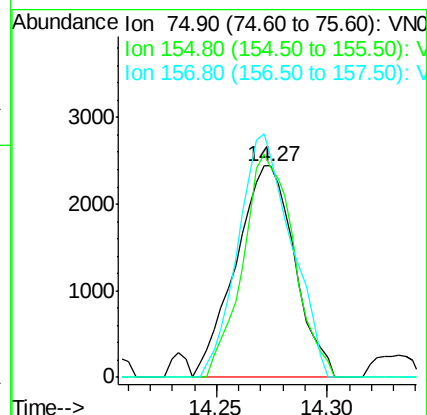
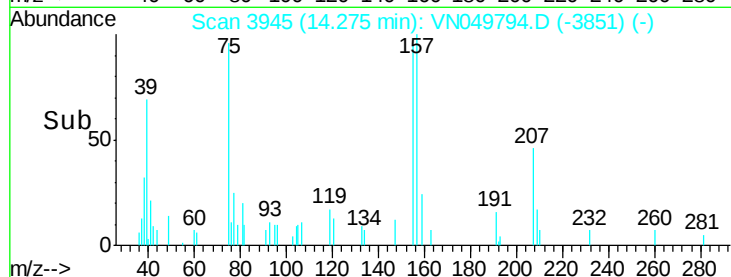


Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN049771.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN049771.D (-3930) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.00 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

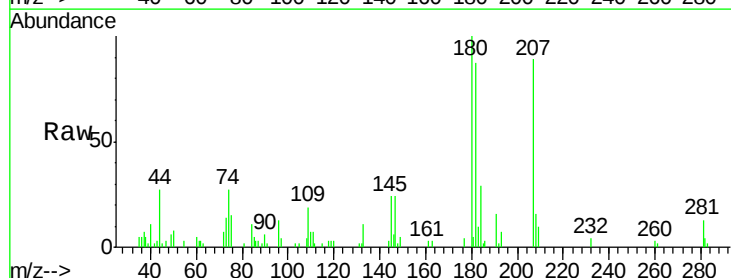
Tgt Ion: 180 Resp: 14502

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.9

145 27.3 14.4 43.0

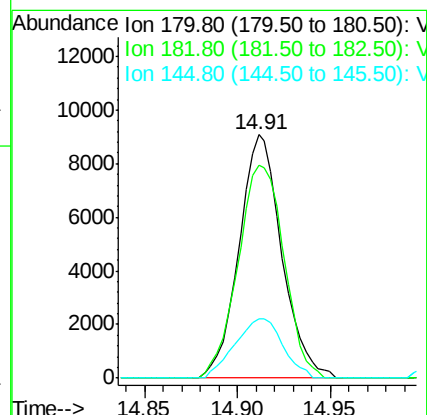
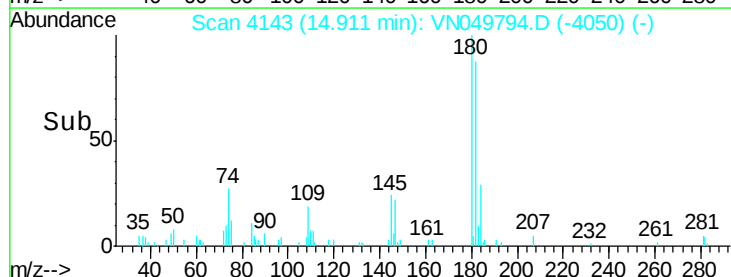


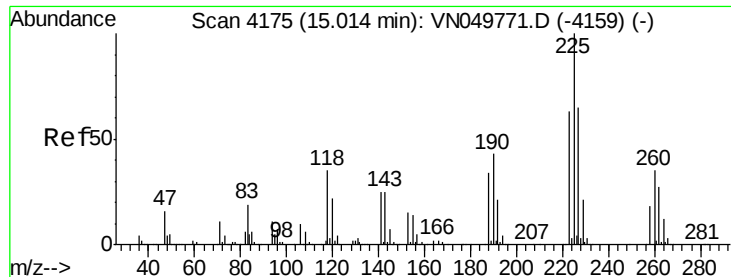
Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

Ion 181.80 (181.50 to 182.50): VN049771.D (-4127) (-)

Ion 144.80 (144.50 to 145.50): VN049771.D (-4127) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 1.24 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

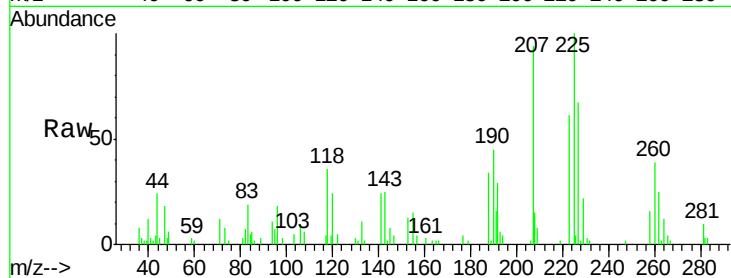
Tot Ion:225 Resp: 15633

Ion Ratio Lower Upper

225 100

223 65.4 30.9 92.7

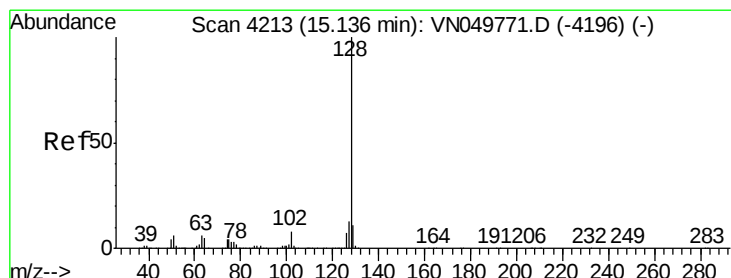
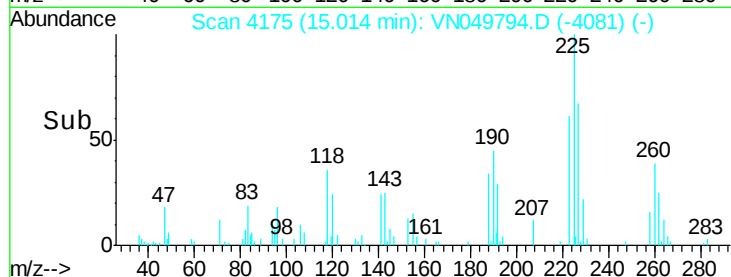
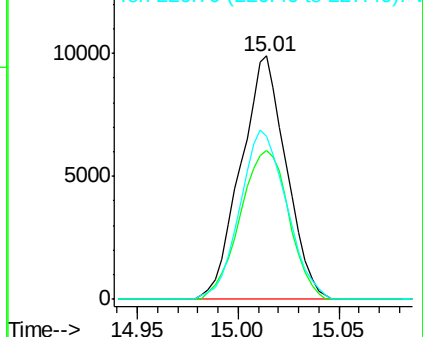
227 71.3 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.03 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049794.D

Acq: 13 Jul 2018 13:58

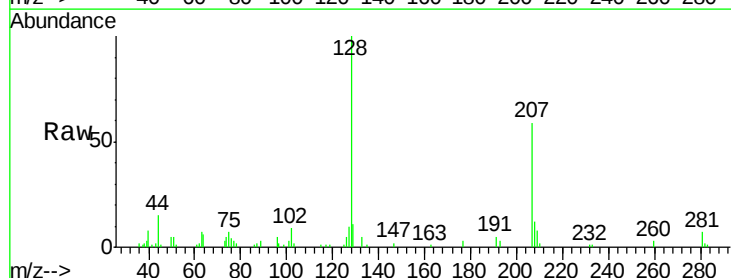
Tgt Ion:128 Resp: 29049

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

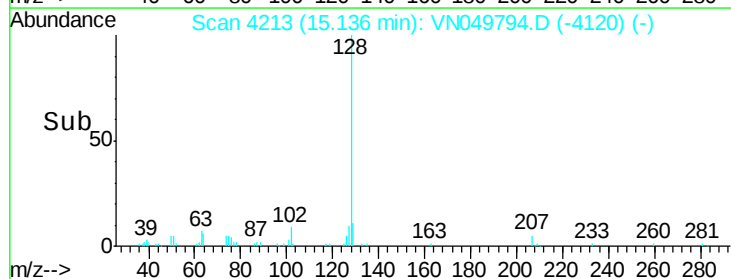
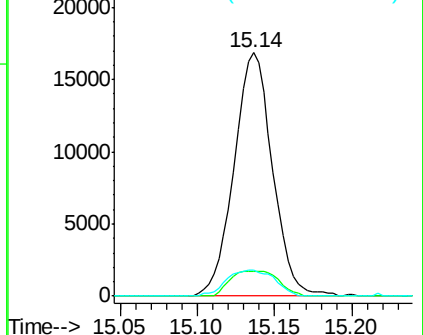
129 13.4 8.6 13.0#

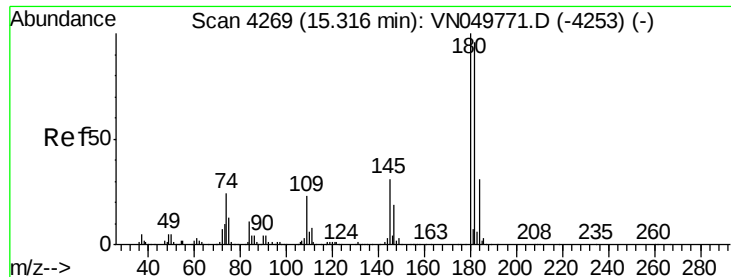


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

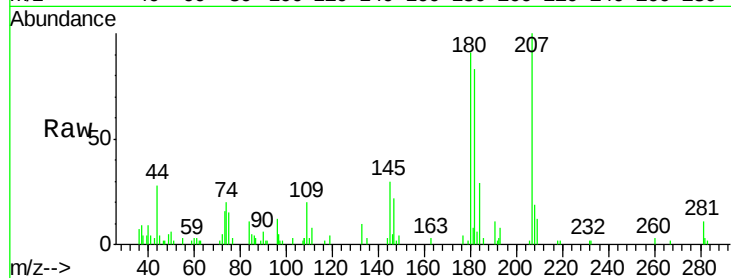




#96
 1,2,3-Trichlorobenzene
 Concen: 1.53 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049794.D
 Acq: 13 Jul 2018 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	32.3	15.2	45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

