

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049795.D
 Acq On : 13 Jul 2018 14:23
 Operator : MD\SY
 Sample : J3762-08 LOO 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 13 23:48:49 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	1104172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1636124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1489785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	724402	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	649563	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	7.59	113	618434	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.09	98	2027158	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	702527	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	112950	10.78	ug/l	100
3) Chloromethane	2.06	50	147538	10.77	ug/l	99
4) Vinyl Chloride	2.18	62	161565	11.03	ug/l	100
5) Bromomethane	2.56	94	98413	10.37	ug/l	100
6) Chloroethane	2.70	64	102704	10.46	ug/l	96
7) Trichlorofluoromethane	3.01	101	222399	10.62	ug/l	95
8) Diethyl Ether	3.41	74	73607	9.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138057	10.16	ug/l	99
10) Methyl Iodide	3.95	142	174195	10.09	ug/l	98
11) Tert butyl alcohol	4.80	59	44570	51.85	ug/l	100
12) 1,1-Dichloroethene	3.74	96	123228	10.32	ug/l	97
13) Acrolein	3.61	56	53884	71.36	ug/l	97
14) Allyl chloride	4.33	41	191085	9.81	ug/l	98
15) Acrylonitrile	5.00	53	213876	49.68	ug/l	98
16) Acetone	3.82	43	155279	47.44	ug/l	99
17) Carbon Disulfide	4.05	76	333815	10.57	ug/l	96
18) Methyl Acetate	4.33	43	112366	9.88	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	322248	9.73	ug/l	99
20) Methylene Chloride	4.55	84	150601	10.71	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	130027	9.96	ug/l	98
22) Diisopropyl ether	5.96	45	404882	10.12	ug/l	99
23) Vinyl Acetate	5.90	43	1317935	49.13	ug/l	100
24) 1,1-Dichloroethane	5.86	63	262311	10.43	ug/l	99
25) 2-Butanone	6.84	43	236847	47.32	ug/l	97
26) 2,2-Dichloropropane	6.83	77	204798	9.81	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149538	10.02	ug/l	99
29) Tetrahydrofuran	7.22	42	148774	47.33	ug/l	99
30) Chloroform	7.37	83	264201	10.20	ug/l	96
31) Cyclohexane	7.66	56	210844	10.33	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	224668	10.21	ug/l	99
36) 1,1-Dichloropropene	7.80	75	182645	9.69	ug/l	99
37) Ethyl Acetate	6.94	43	110148	9.87	ug/l	99
38) Carbon Tetrachloride	7.78	117	202189	10.26	ug/l	97
39) Methylcyclohexane	9.08	83	187640	9.44	ug/l	98

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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)
40) Benzene	8.04	78	577268	10.23	ug/l	99
41) Methacrylonitrile	7.18	41	45655	7.23	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	187946	10.19	ug/l	99
43) Isopropyl Acetate	8.17	43	193483	9.65	ug/l #	83
44) Trichloroethene	8.84	130	154456	10.17	ug/l	96
45) 1,2-Dichloropropane	9.12	63	155985	10.29	ug/l	97
46) Dibromomethane	9.21	93	91485	10.16	ug/l	99
47) Bromodichloromethane	9.41	83	195682	9.87	ug/l	96
48) Methyl methacrylate	9.20	41	94163	9.39	ug/l	99
49) 1,4-Dioxane	9.20	88	24758	188.40	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	529493	48.62	ug/l	100
52) Toluene	10.16	92	351995	10.43	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	180068	9.44	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	215733	9.93	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	138031	10.27	ug/l	98
56) Ethyl methacrylate	10.43	69	142743	9.37	ug/l	99
57) 1,3-Dichloropropane	10.71	76	216114	10.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	331759	45.40	ug/l	99
59) 2-Hexanone	10.75	43	328043	45.31	ug/l	98
60) Dibromochloromethane	10.90	129	146252	9.89	ug/l	99
61) 1,2-Dibromoethane	11.01	107	123452	10.05	ug/l	99
64) Tetrachloroethene	10.63	164	140337	10.37	ug/l	98
65) Chlorobenzene	11.44	112	386092	9.95	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	146988	10.07	ug/l	99
67) Ethyl Benzene	11.51	91	617483	9.72	ug/l	98
68) m/p-Xylenes	11.63	106	470566	19.73	ug/l	100
69) o-Xylene	11.95	106	227987	9.89	ug/l	100
70) Stvrene	11.97	104	359483	9.82	ug/l	99
71) Bromoform	12.13	173	98523	9.99	ug/l #	99
73) Isopropylbenzene	12.25	105	604970	10.05	ug/l	99
74) N-amyl acetate	12.07	43	152428	9.73	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	163562	10.23	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	185030	14.38	ug/l #	100
77) Bromobenzene	12.53	156	161169	10.09	ug/l	98
78) n-propylbenzene	12.59	91	687094	10.12	ug/l	99
79) 2-Chlorotoluene	12.68	91	428690	10.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	496236	10.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34712	8.71	ug/l	93
82) 4-Chlorotoluene	12.78	91	415167	10.08	ug/l	98
83) tert-Butylbenzene	12.99	119	433151	10.12	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	495154	10.32	ug/l	99
85) sec-Butylbenzene	13.17	105	579241	10.32	ug/l	99
86) p-Isopropyltoluene	13.29	119	484771	10.21	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	279095	10.08	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	266895	9.91	ug/l	98
89) n-Butylbenzene	13.62	91	371459	9.48	ug/l	98
90) Hexachloroethane	13.88	117	98762	10.08	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	270142	10.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22143	10.02	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	104437	9.52	ug/l	99

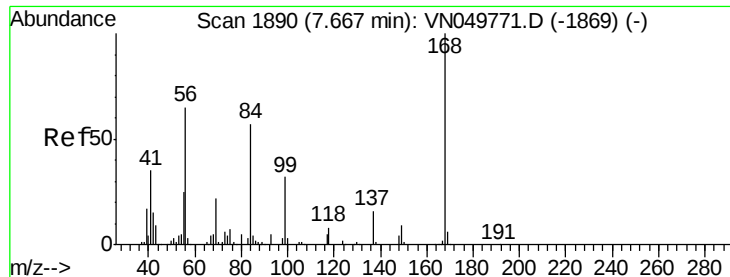
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	91273	10.18	ug/l	99
95) Naphthalene	15.14	128	192084	9.54	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	111465	8.50	ug/l	100

(#) = 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: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

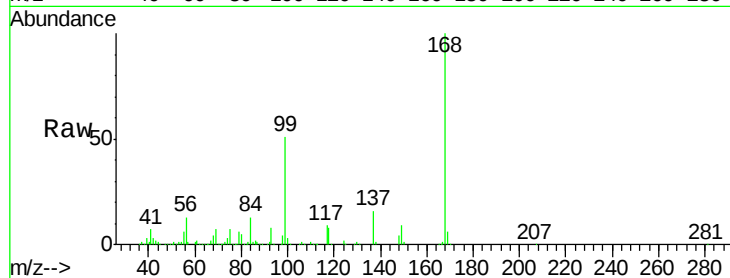
LOQ-WATER-02-QT3-2018

Tot Ion:168 Resp: 1104172

Ion Ratio Lower Upper

168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

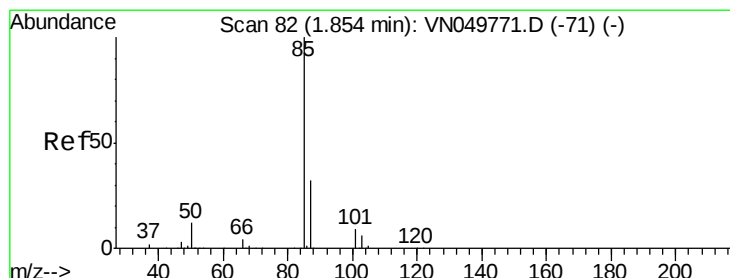
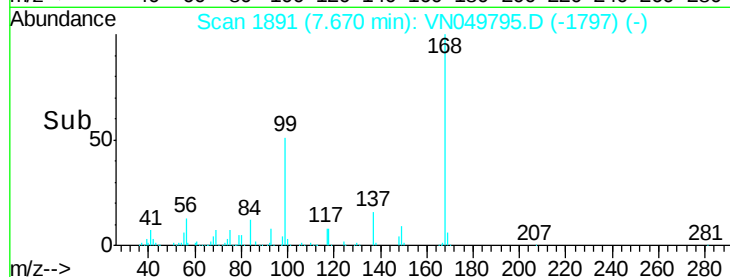
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 10.78 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049795.D

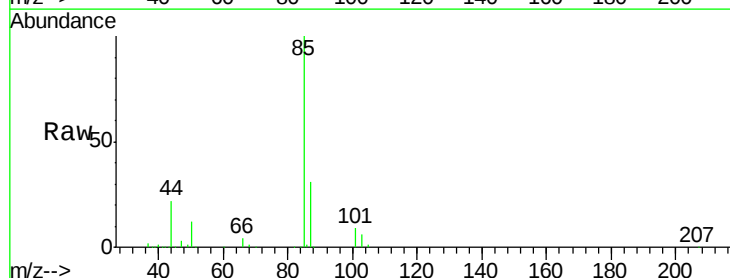
Acq: 13 Jul 2018 14:23

Tgt Ion: 85 Resp: 112950

Ion Ratio Lower Upper

85 100

87 31.0 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

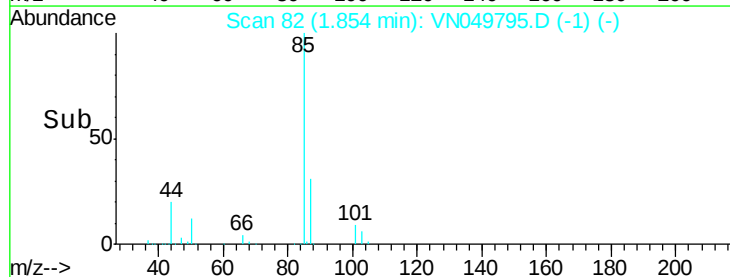
60000

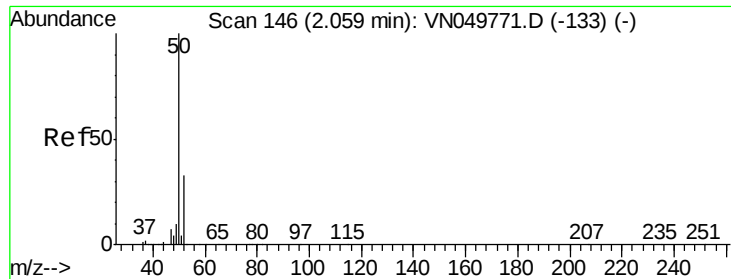
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 10.77 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

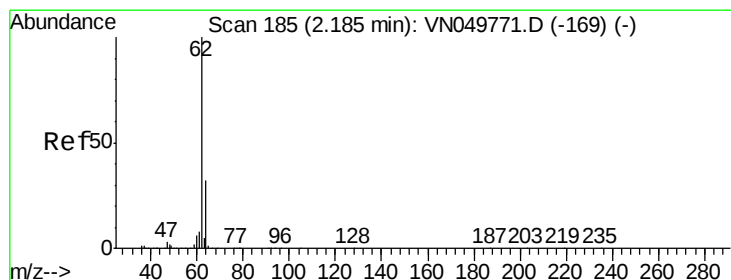
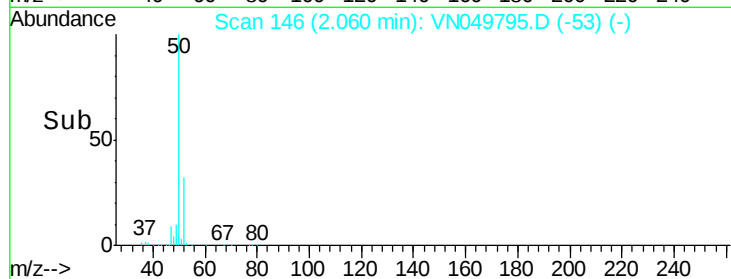
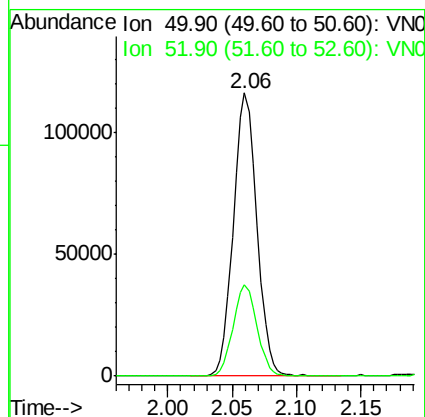
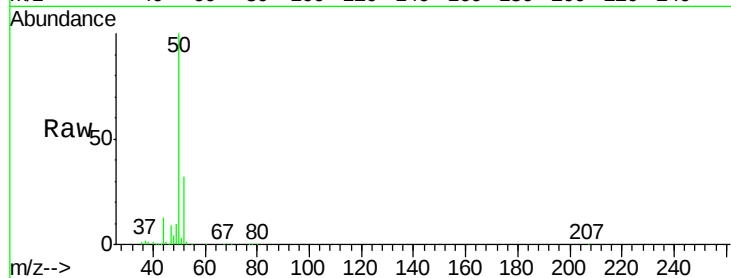
LOQ-WATER-02-QT3-2018

Tot Ion: 50 Resp: 147538

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



#4

Vinyl Chloride

Concen: 11.03 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049795.D

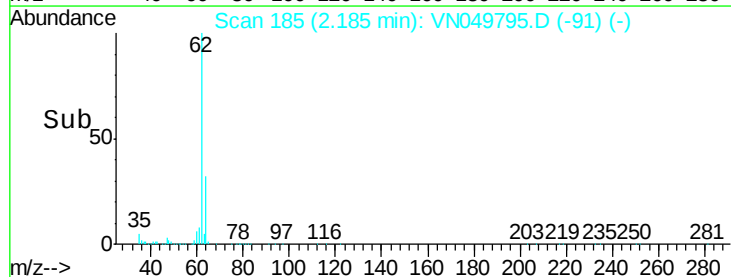
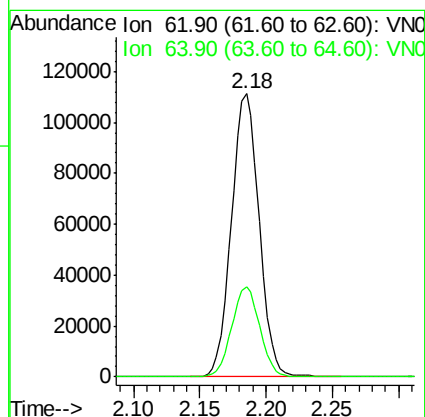
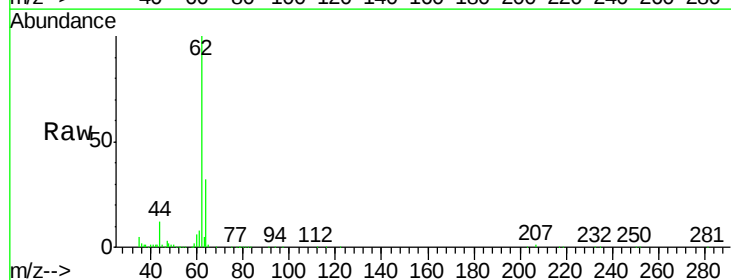
Acq: 13 Jul 2018 14:23

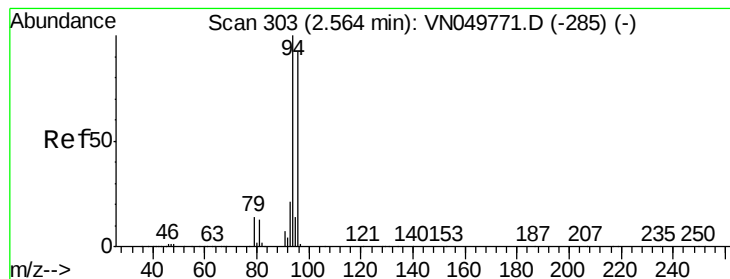
Tgt Ion: 62 Resp: 161565

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 10.37 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

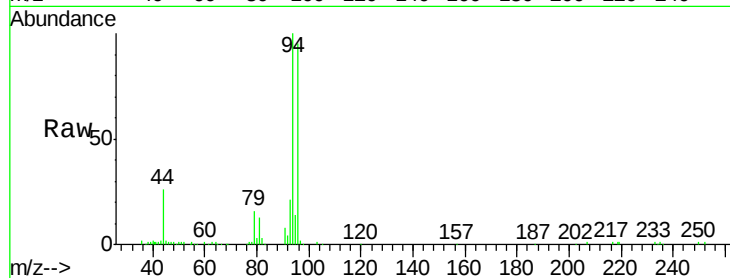
LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 98413

Ion Ratio Lower Upper

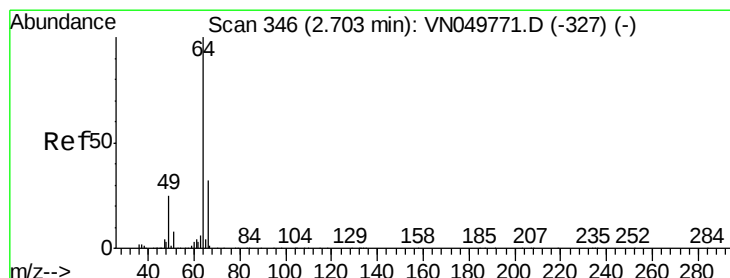
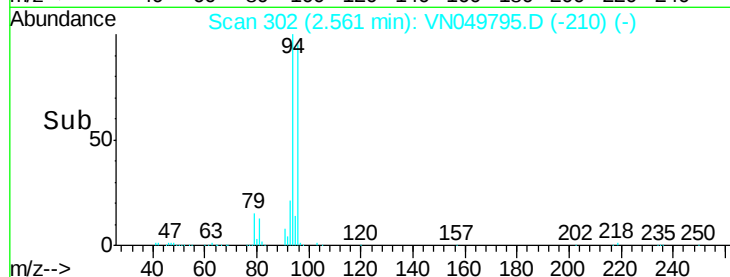
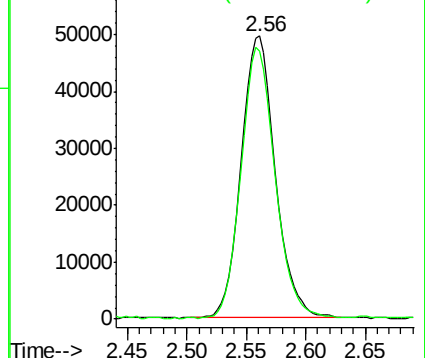
94 100

96 94.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 10.46 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049795.D

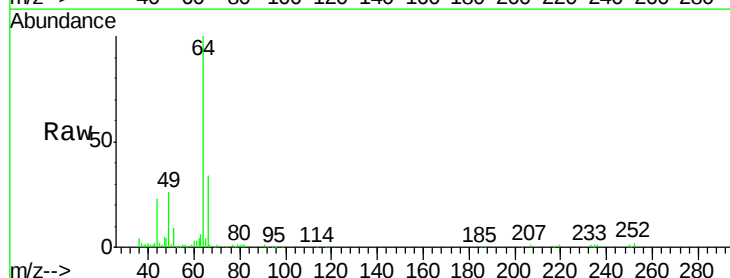
Acq: 13 Jul 2018 14:23

Tgt Ion: 64 Resp: 102704

Ion Ratio Lower Upper

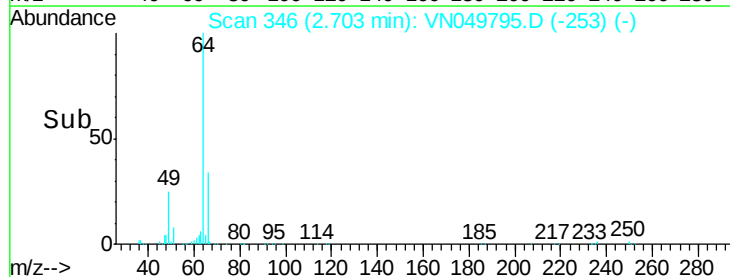
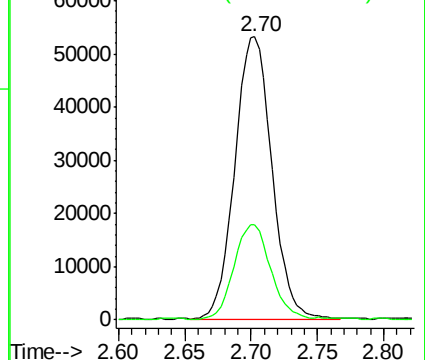
64 100

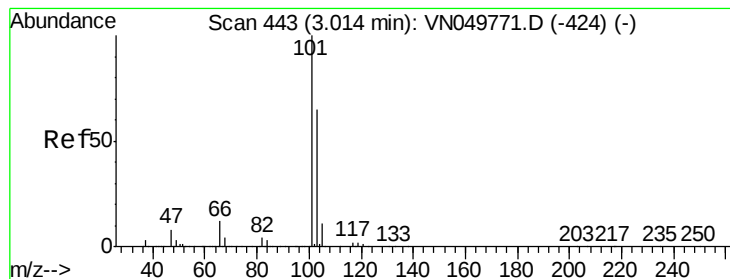
66 34.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 10.62 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

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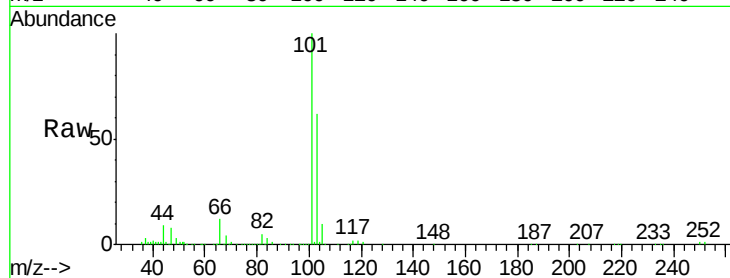
LOQ-WATER-02-QT3-2018

Tot Ion:101 Resp: 222399

Ion Ratio Lower Upper

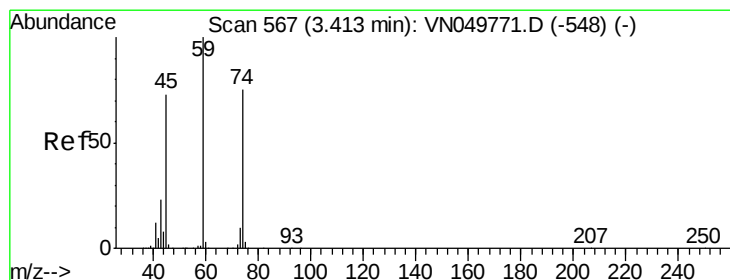
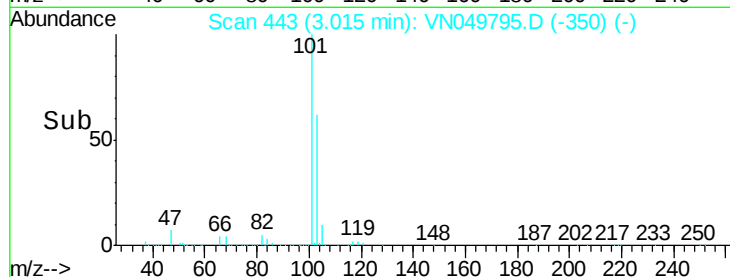
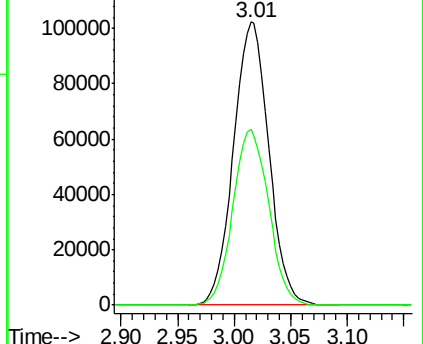
101 100

103 62.0 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: 9.81 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049795.D

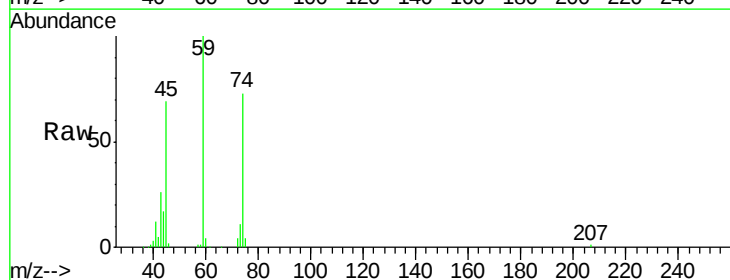
Acq: 13 Jul 2018 14:23

Tgt Ion: 74 Resp: 73607

Ion Ratio Lower Upper

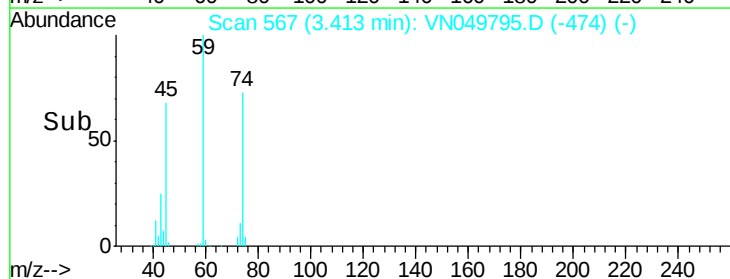
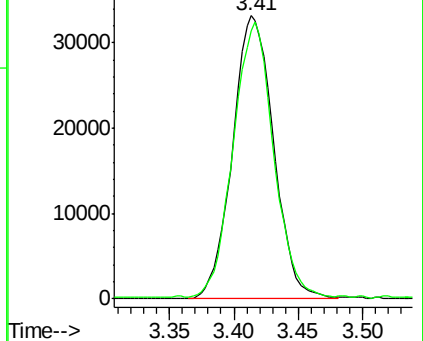
74 100

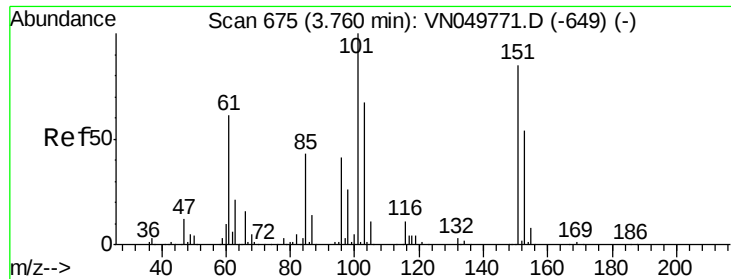
45 94.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.16 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

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ClientSampleId :

LOQ-WATER-02-QT3-2018

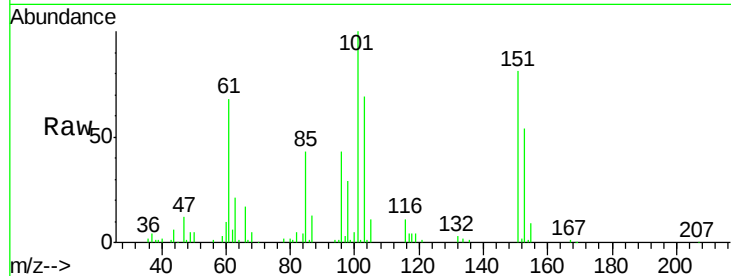
Tot Ion:101 Resp: 138057

Ion Ratio Lower Upper

101 100

85 41.9 34.4 51.6

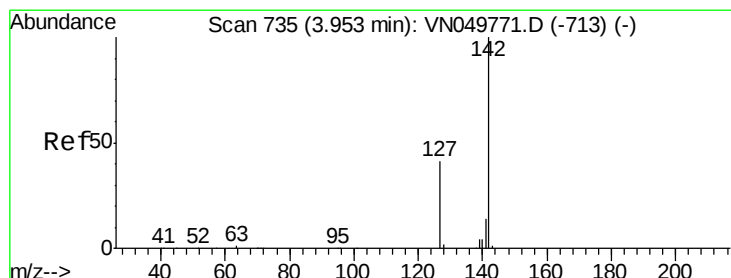
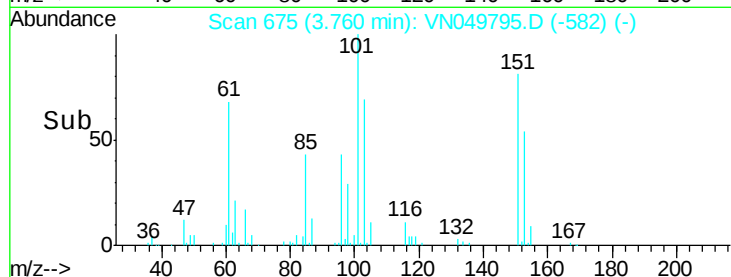
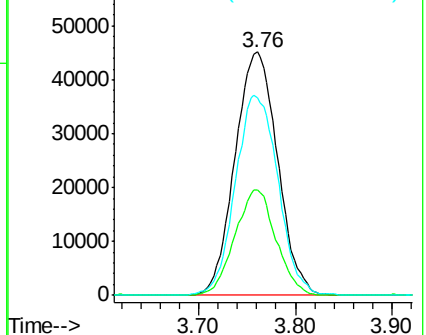
151 82.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.09 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

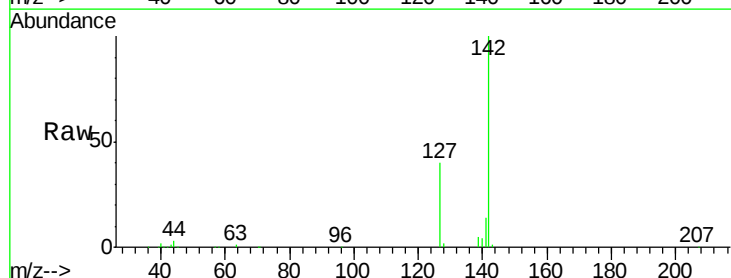
Tgt Ion:142 Resp: 174195

Ion Ratio Lower Upper

142 100

127 42.0 32.5 48.7

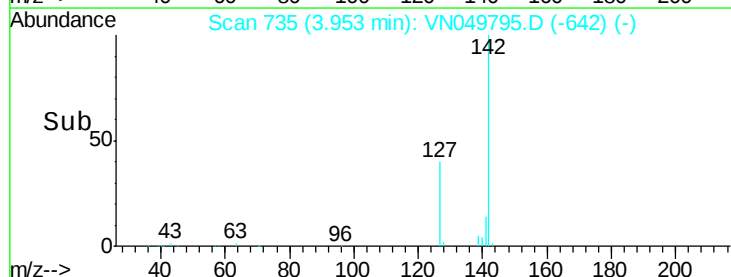
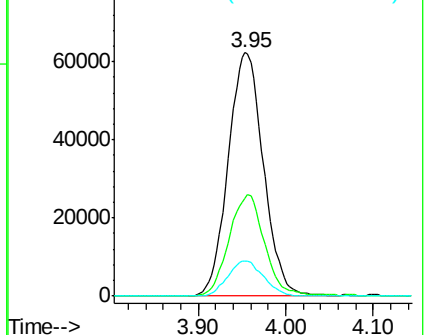
141 14.6 11.1 16.7

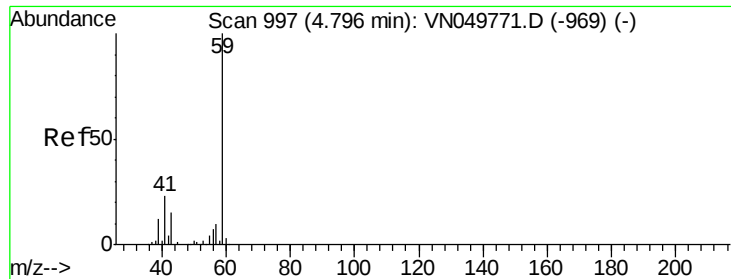


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 51.85 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

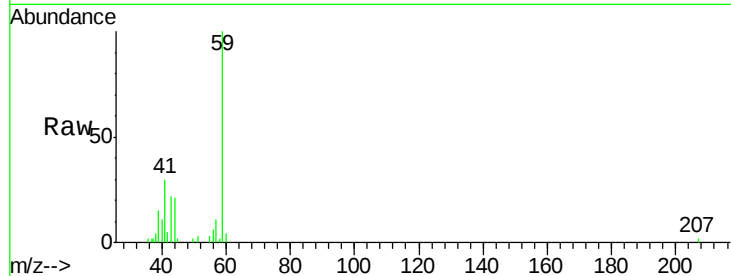
LOQ-WATER-02-QT3-2018

Tot Ion: 59 Resp: 44570

Ion Ratio Lower Upper

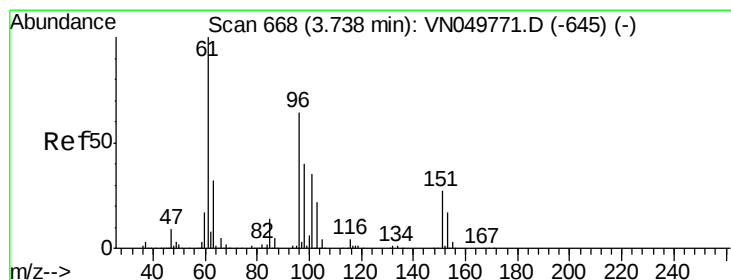
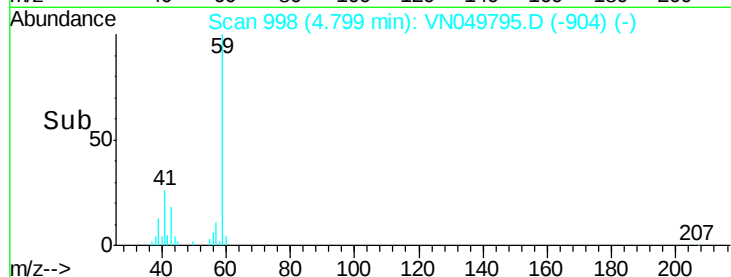
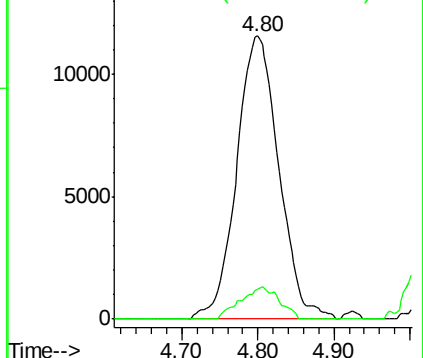
59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 10.32 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

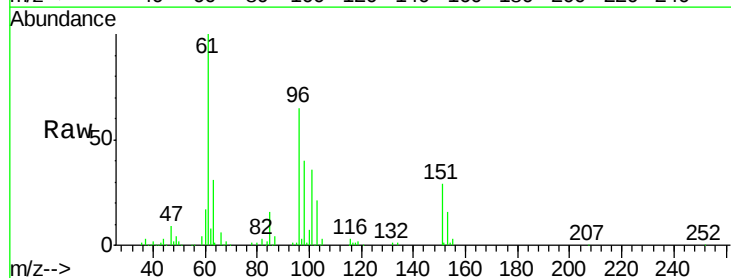
Tgt Ion: 96 Resp: 123228

Ion Ratio Lower Upper

96 100

61 153.8 126.5 189.7

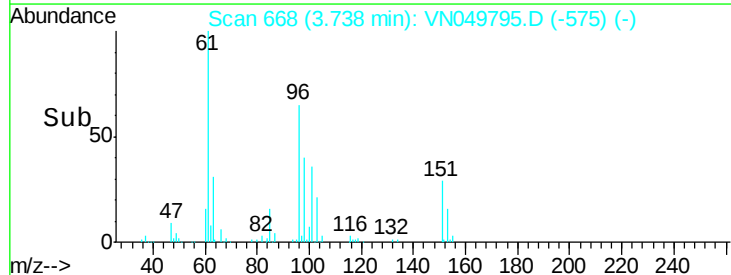
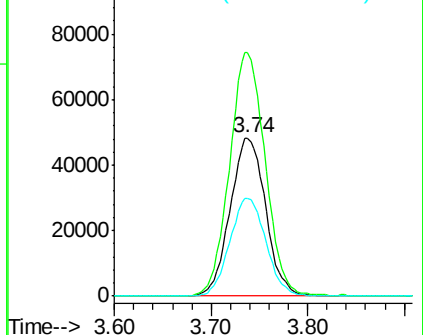
98 61.7 51.0 76.6

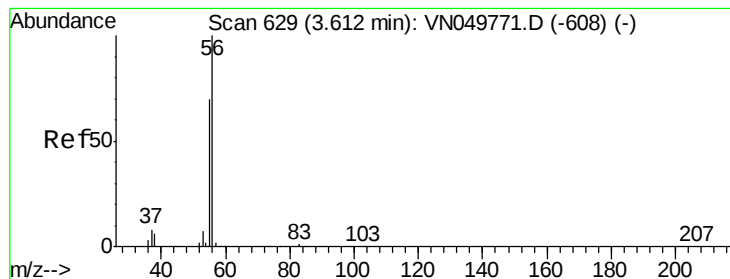


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 71.36 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

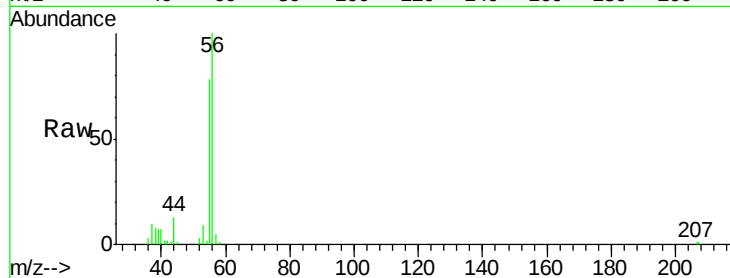
LOQ-WATER-02-QT3-2018

Tot Ion: 56 Resp: 53884

Ion Ratio Lower Upper

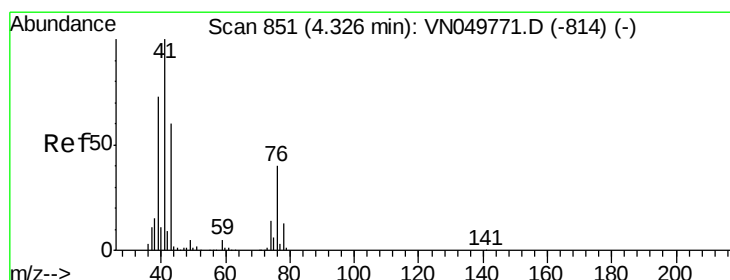
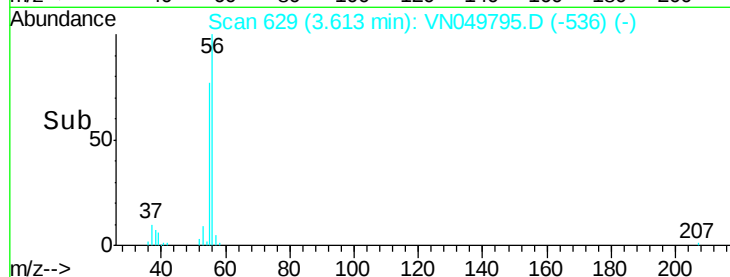
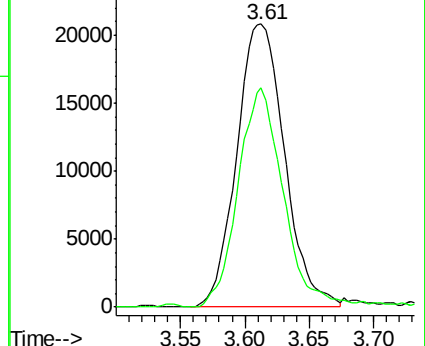
56 100

55 72.6 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN049795.D (-536) (-)

Ion 55.00 (54.70 to 55.70): VN049795.D (-536) (-)



#14

Allyl chloride

Concen: 9.81 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

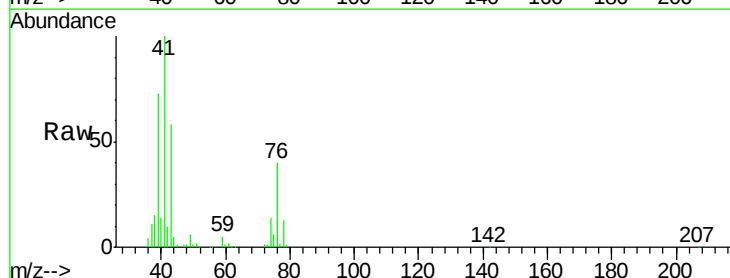
Tgt Ion: 41 Resp: 191085

Ion Ratio Lower Upper

41 100

39 68.1 53.2 79.8

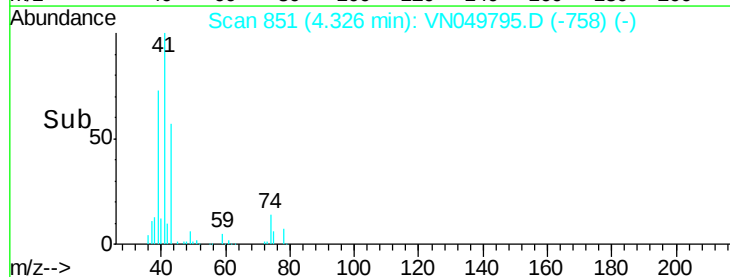
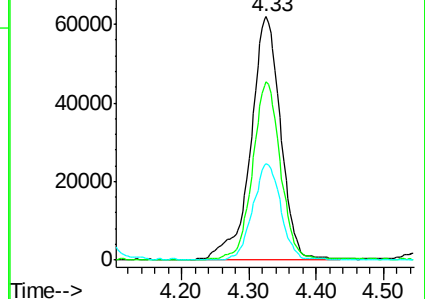
76 36.9 29.0 43.6

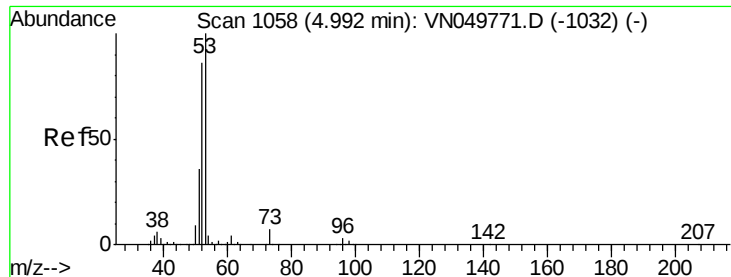


Abundance Ion 41.00 (40.70 to 41.70): VN049795.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN049795.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN049795.D (-758) (-)





#15

Acrylonitrile

Concen: 49.68 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

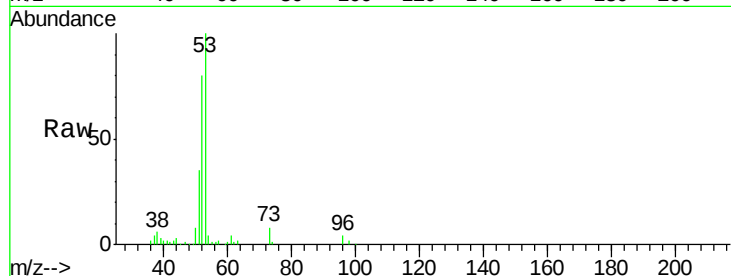
Tot Ion: 53 Resp: 213876

Ion Ratio Lower Upper

53 100

52 82.0 64.8 97.2

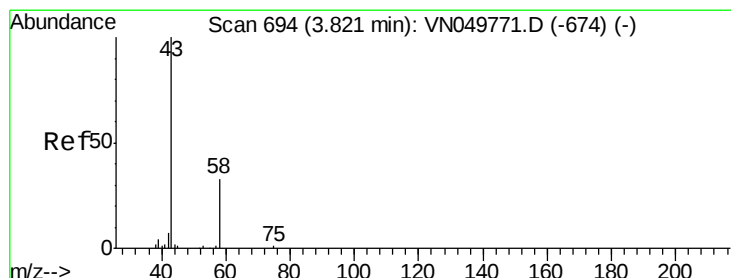
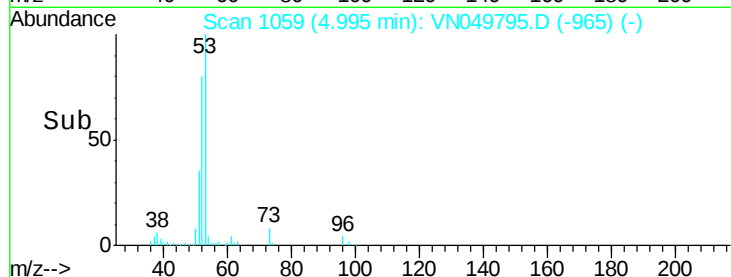
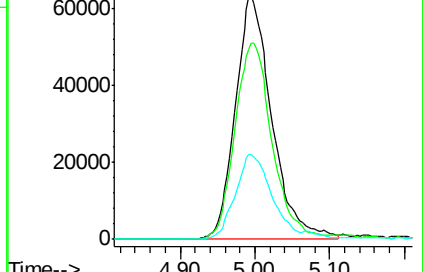
51 34.7 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049771.D (-1032) (-)

Ion 52.00 (51.70 to 52.70): VN049771.D (-1032) (-)

Ion 51.00 (50.70 to 51.70): VN049771.D (-1032) (-)



#16

Acetone

Concen: 47.44 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049795.D

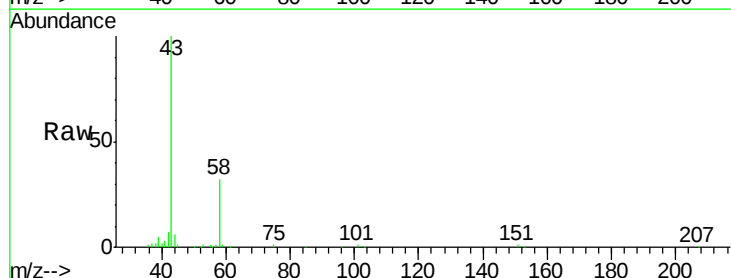
Acq: 13 Jul 2018 14:23

Tgt Ion: 43 Resp: 155279

Ion Ratio Lower Upper

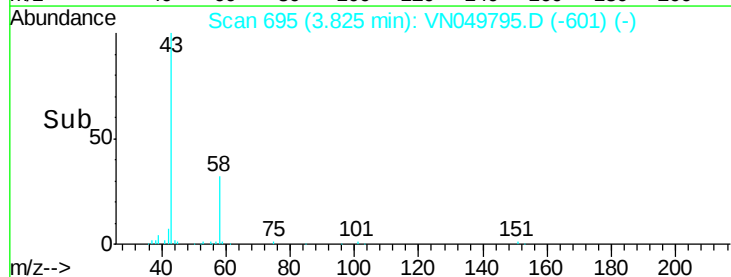
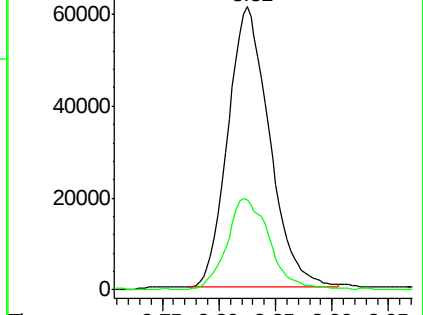
43 100

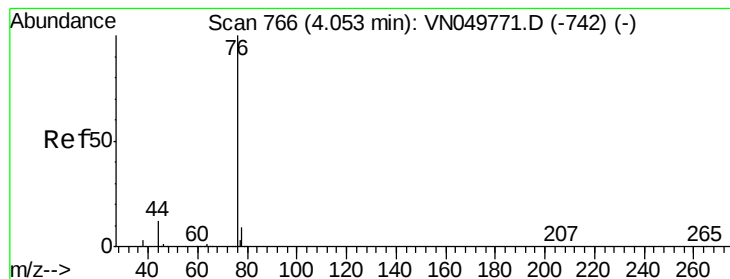
58 32.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN049771.D (-674) (-)





#17

Carbon Disulfide

Concen: 10.57 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

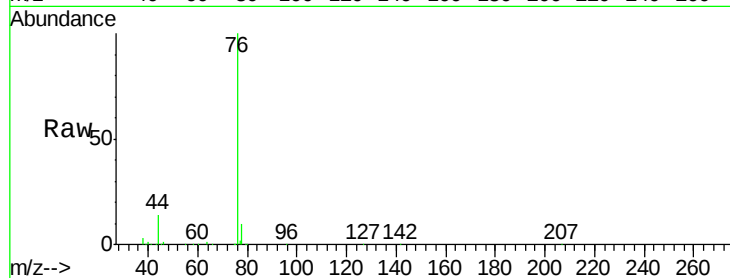
LOQ-WATER-02-QT3-2018

Tot Ion: 76 Resp: 333815

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049795.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049795.D (-742) (-)

4.05

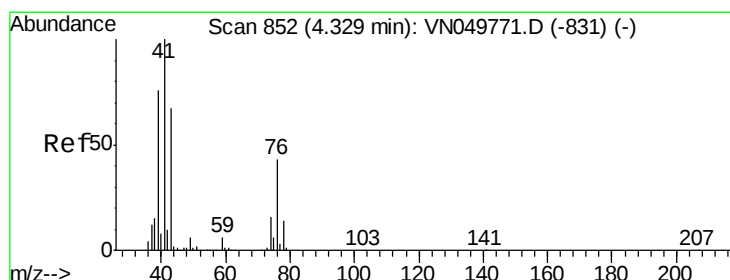
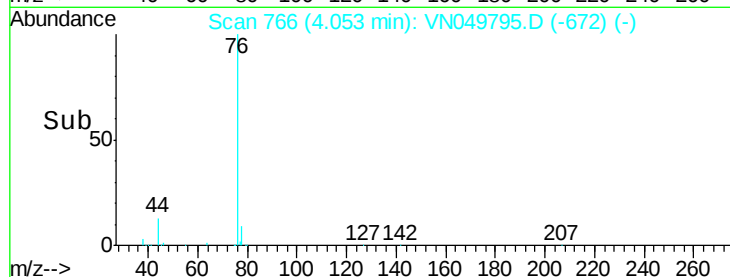
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 9.88 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049795.D

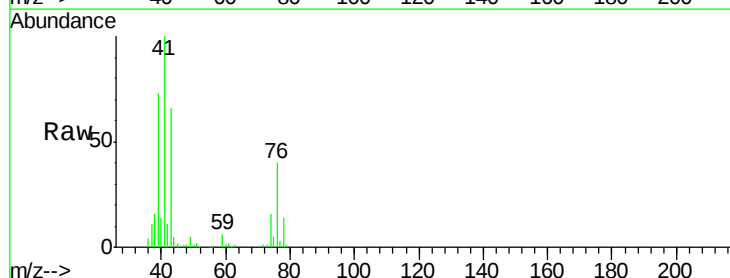
Acq: 13 Jul 2018 14:23

Tgt Ion: 43 Resp: 112366

Ion Ratio Lower Upper

43 100

74 23.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049795.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN049795.D (-759) (-)

4.33

40000

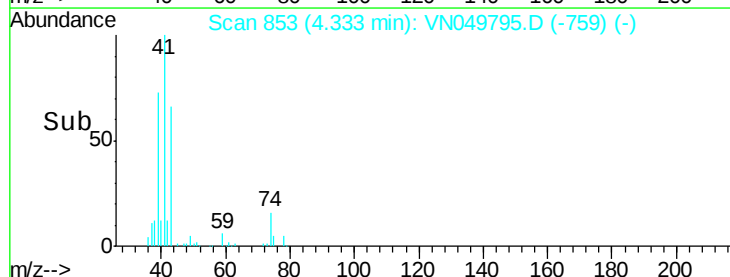
30000

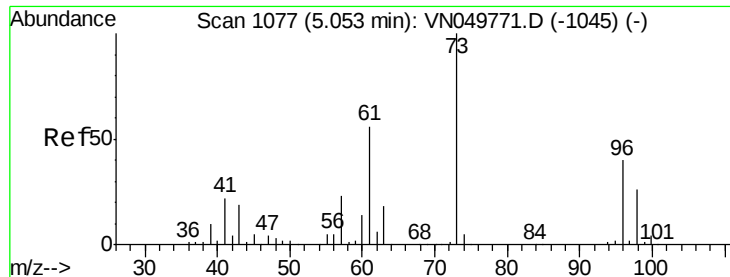
20000

10000

0

Time-->

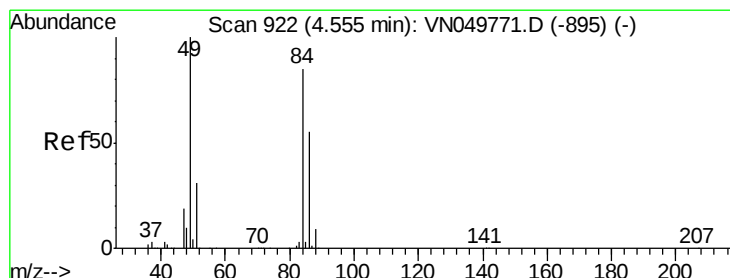
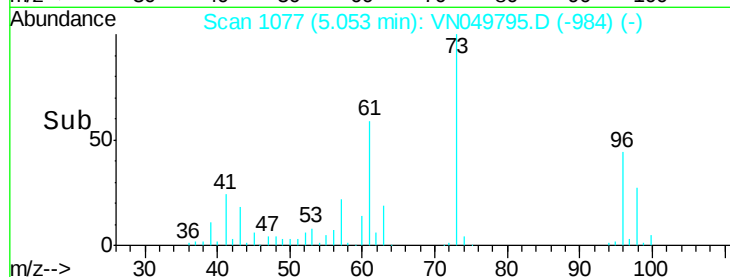
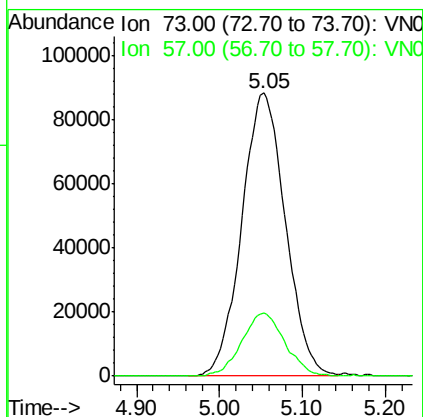
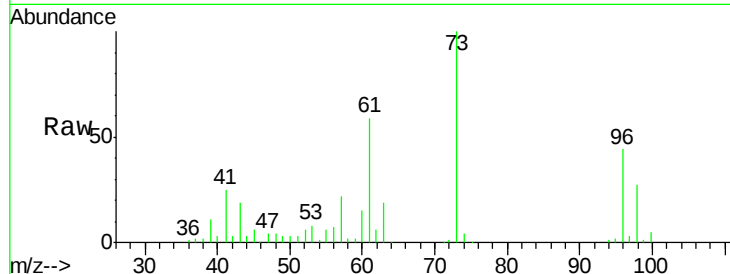




#19
Methvl tert-butvl Ether
Concen: 9.73 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

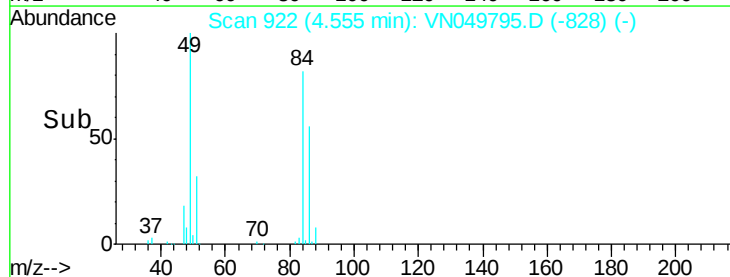
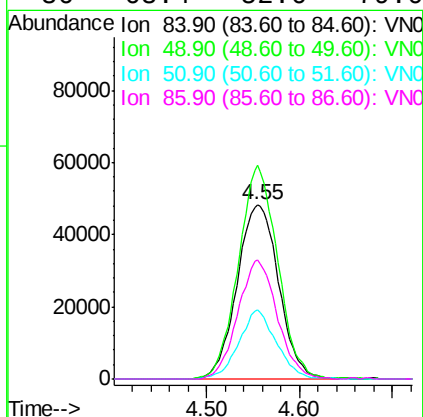
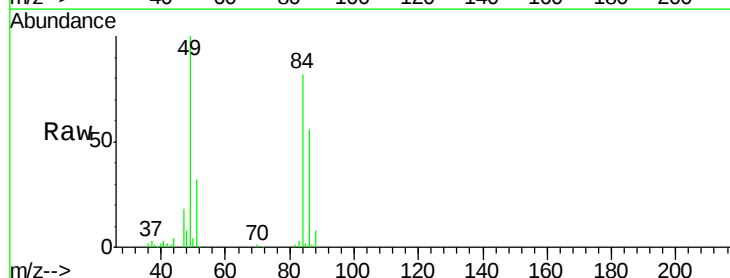
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

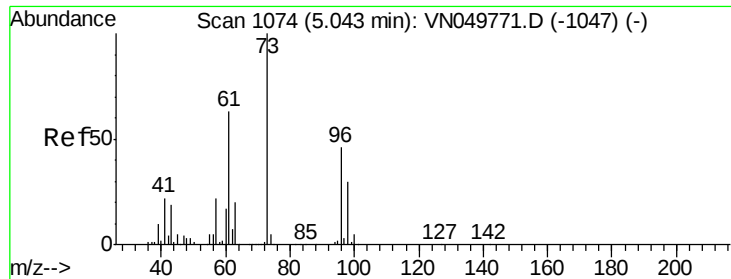
Tot Ion: 73 Resp: 322248
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 10.71 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion: 84 Resp: 150601
Ion Ratio Lower Upper
84 100
49 122.2 95.4 143.2
51 39.4 28.4 42.6
86 68.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 9.96 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

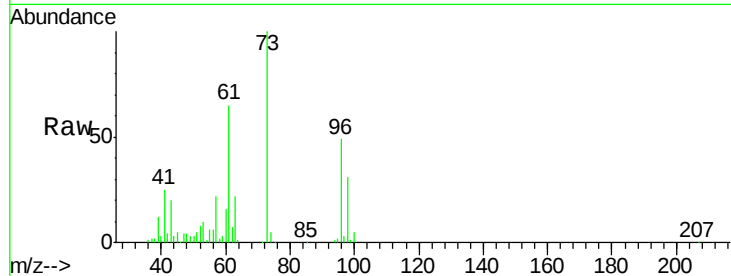
Tot Ion: 96 Resp: 130027

Ion Ratio Lower Upper

96 100

61 132.7 109.0 163.6

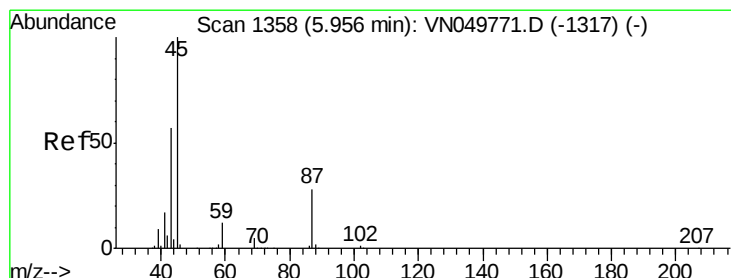
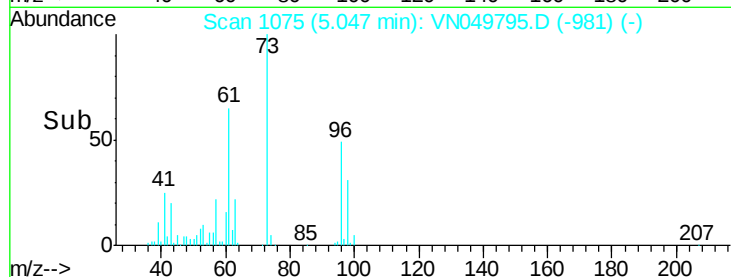
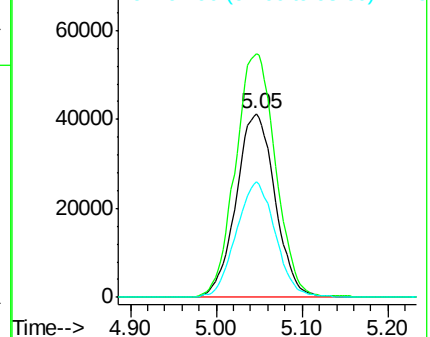
98 63.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049795.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049795.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049795.D (-981) (-)



#22

Diisopropyl ether

Concen: 10.12 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Tgt Ion: 45 Resp: 404882

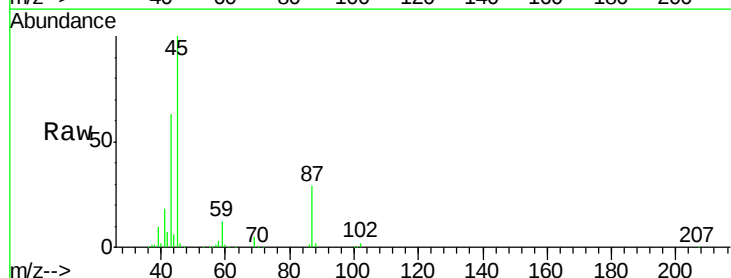
Ion Ratio Lower Upper

45 100

43 61.2 48.1 72.1

87 28.8 22.6 34.0

59 12.4 9.2 13.8

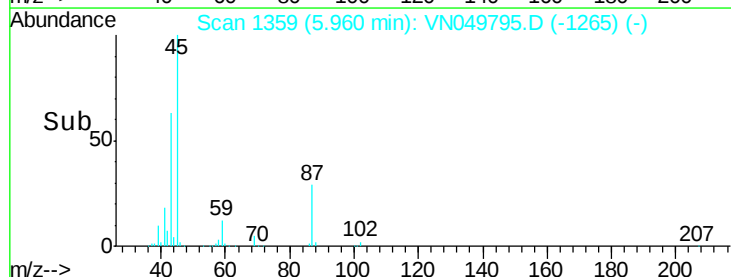
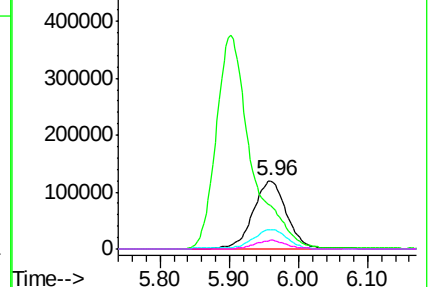


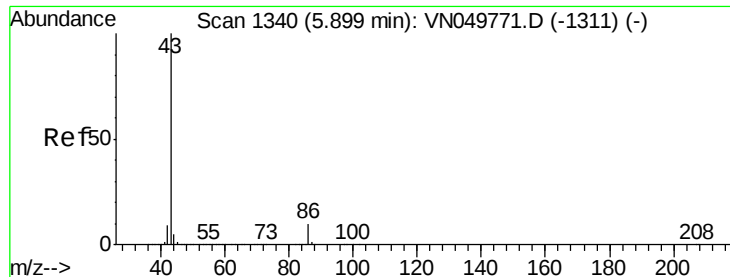
Abundance Ion 45.00 (44.70 to 45.70): VN049795.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049795.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049795.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049795.D (-1265) (-)





#23

Vinyl Acetate

Concen: 49.13 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

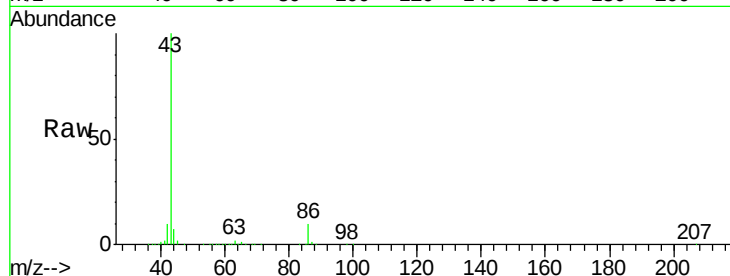
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 1317935

Ion Ratio Lower Upper

43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-1311) (-)

Ion 86.00 (85.70 to 86.70): VN049771.D (-1311) (-)

5.90

400000

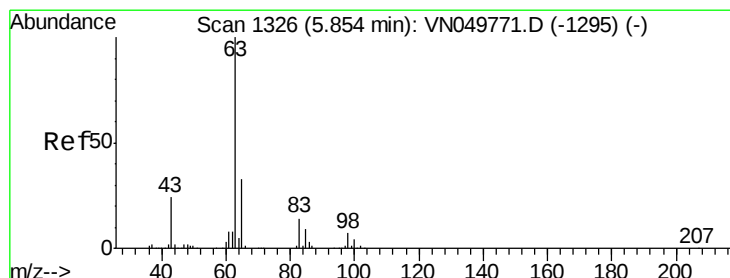
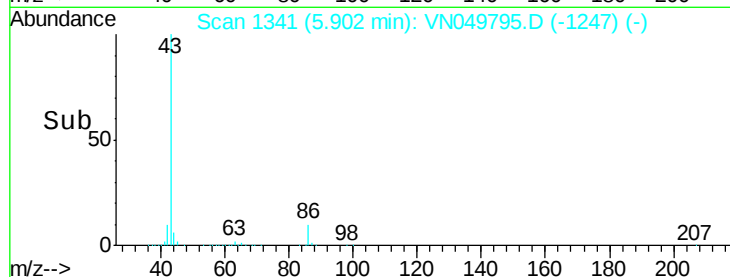
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 10.43 ug/l

RT: 5.86 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

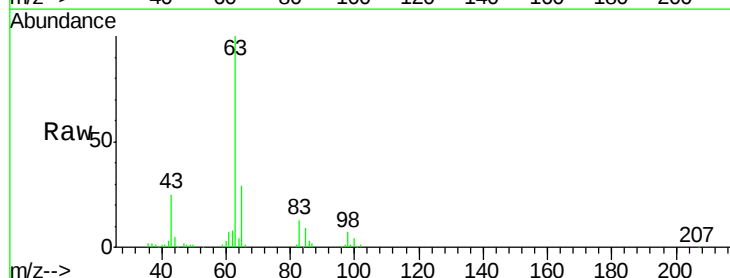
Tgt Ion: 63 Resp: 262311

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049771.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049771.D (-1295) (-)

5.86

100000

80000

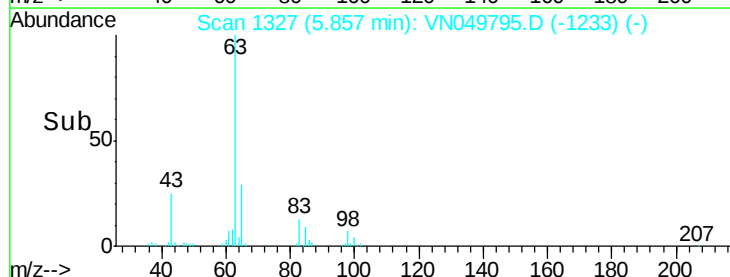
60000

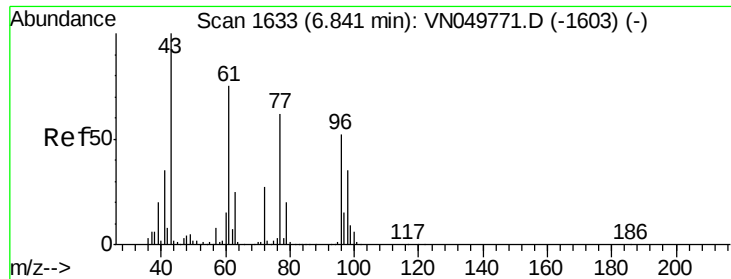
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

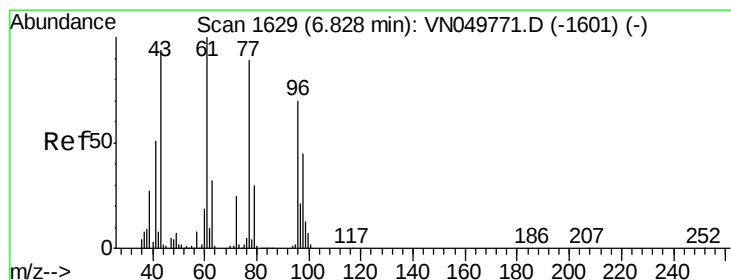
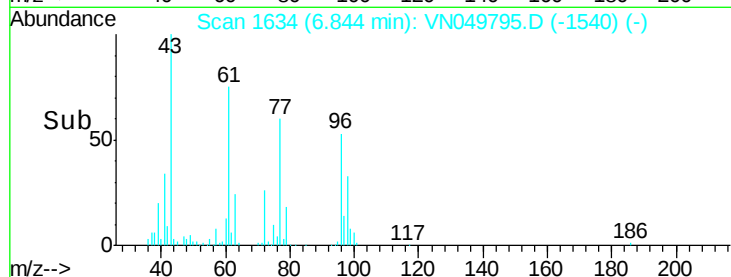
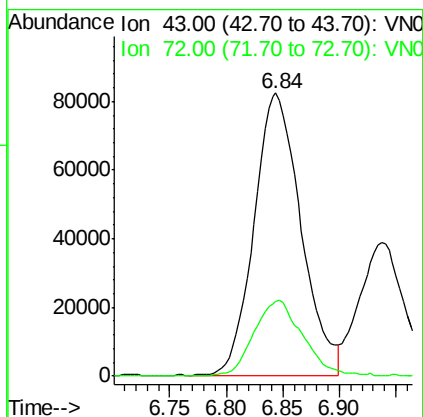
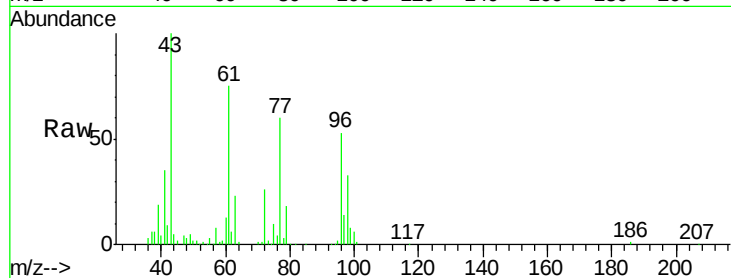




#25
2-Butanone
Concen: 47.32 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

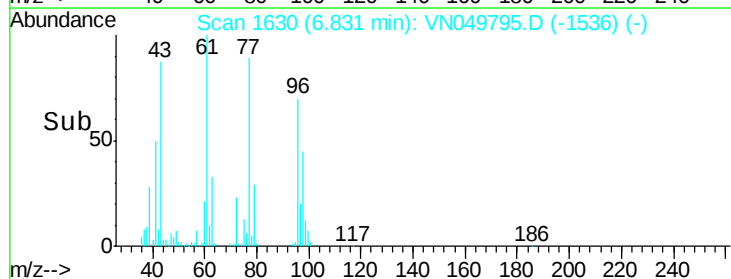
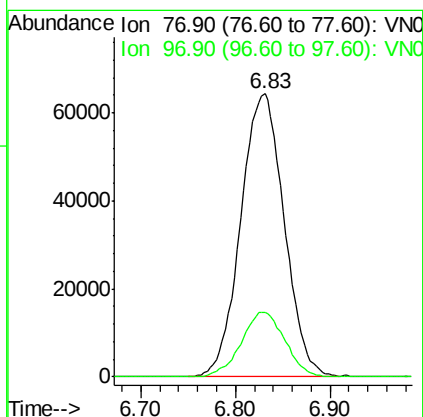
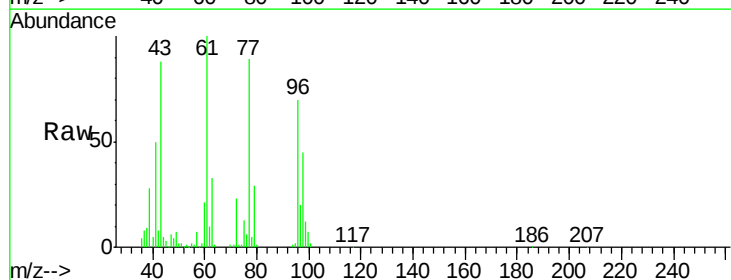
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

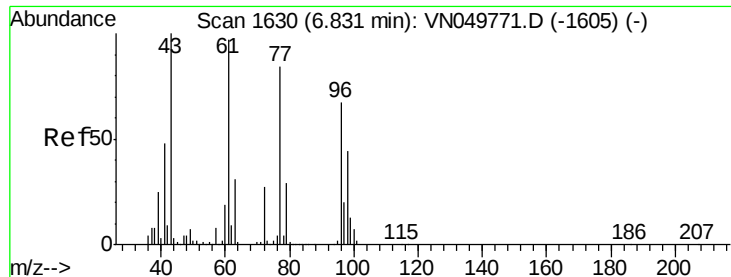
Tot Ion: 43 Resp: 236847
Ion Ratio Lower Upper
43 100
72 26.3 22.1 33.1



#26
2,2-Dichloropropane
Concen: 9.81 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion: 77 Resp: 204798
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 10.02 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

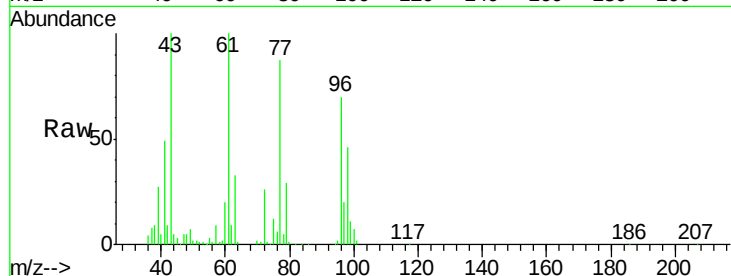
Tot Ion: 96 Resp: 149538

Ion Ratio Lower Upper

96 100

61 143.0 0.0 289.0

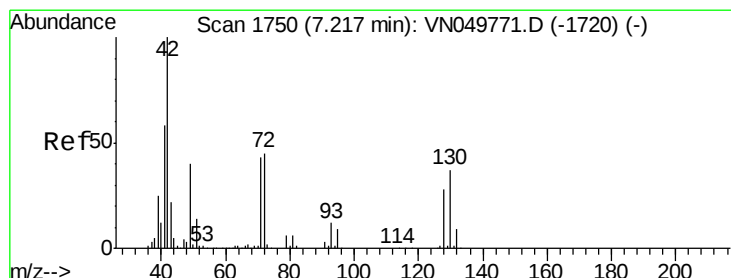
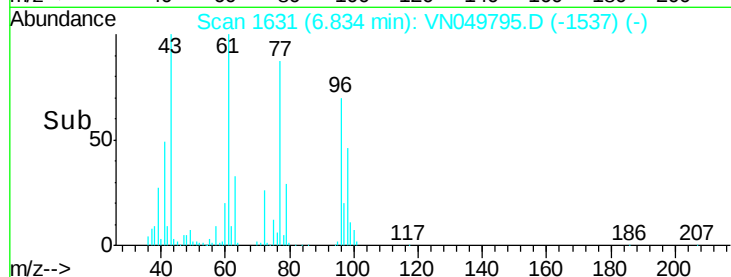
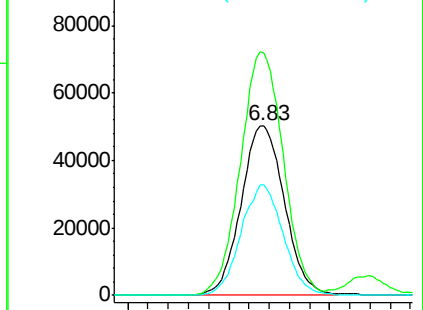
98 63.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN049795.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN049795.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN049795.D (-1537) (-)



#29

Tetrahydrofuran

Concen: 47.33 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

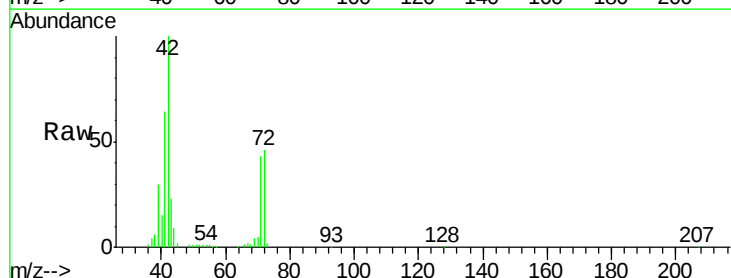
Tgt Ion: 42 Resp: 148774

Ion Ratio Lower Upper

42 100

72 43.7 35.6 53.4

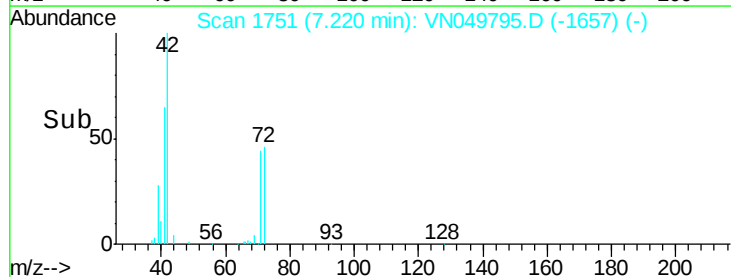
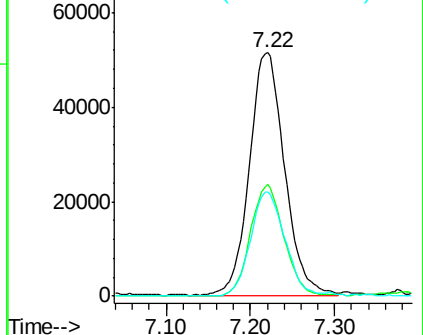
71 41.9 34.0 51.0

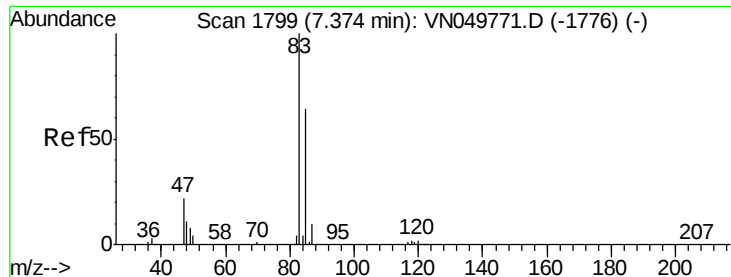


Abundance Ion 42.00 (41.70 to 42.70): VN049795.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049795.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049795.D (-1657) (-)

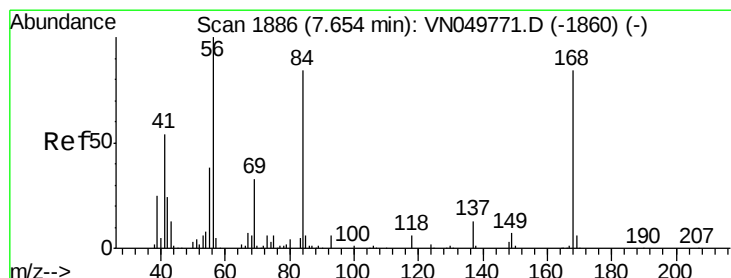
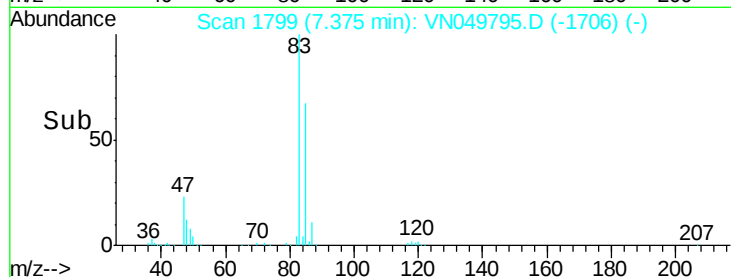
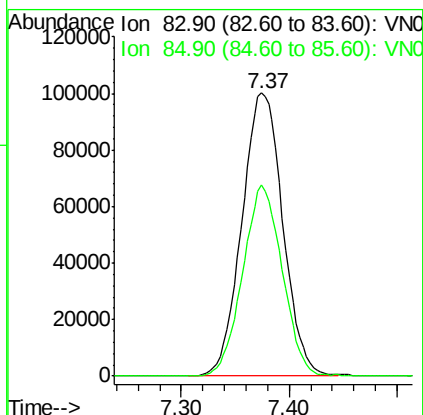
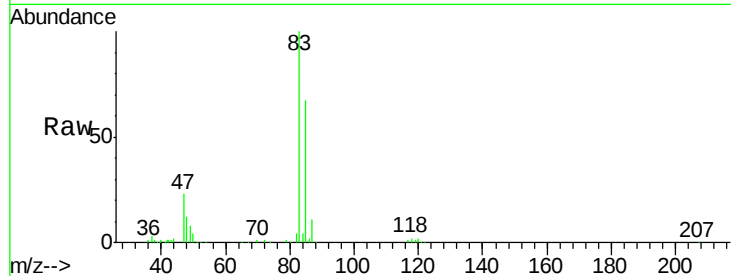




#30
Chloroform
Concen: 10.20 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

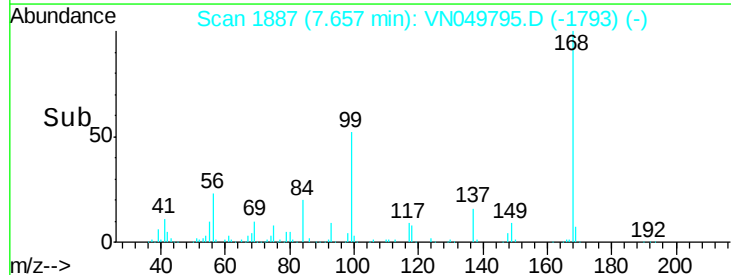
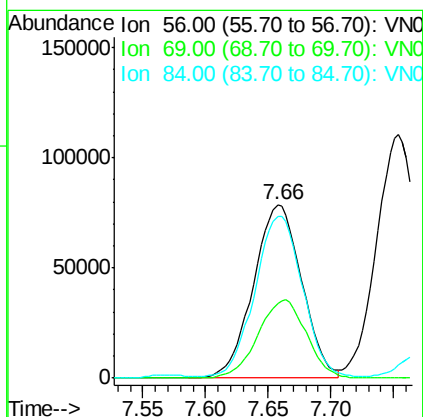
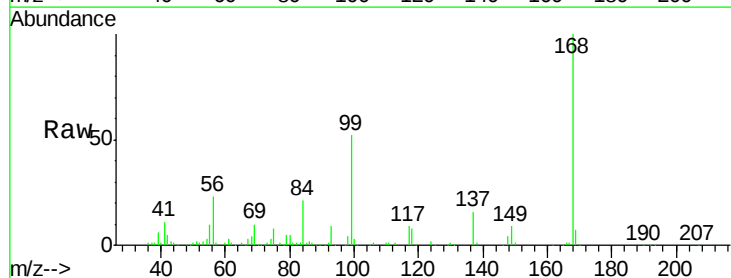
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

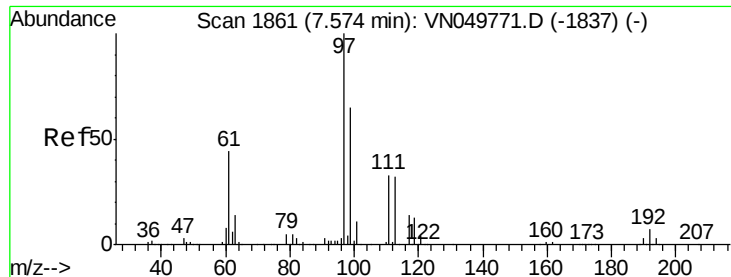
Tot Ion: 83 Resp: 264201
Ion Ratio Lower Upper
83 100
85 67.4 51.4 77.2



#31
Cyclohexane
Concen: 10.33 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion: 56 Resp: 210844
Ion Ratio Lower Upper
56 100
69 42.7 26.6 40.0#
84 92.1 69.0 103.6





#32

1,1,1-Trichloroethane

Concen: 10.21 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

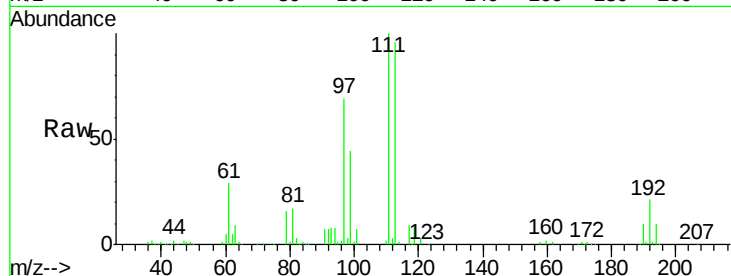
Tot Ion: 97 Resp: 224668

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

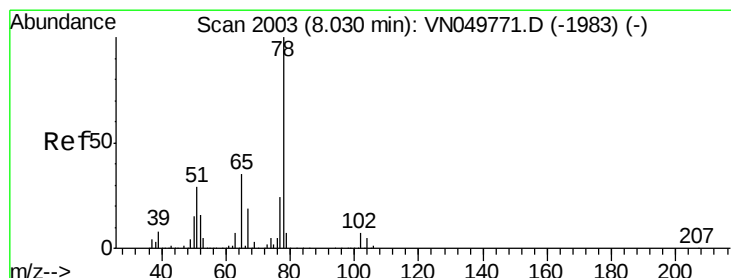
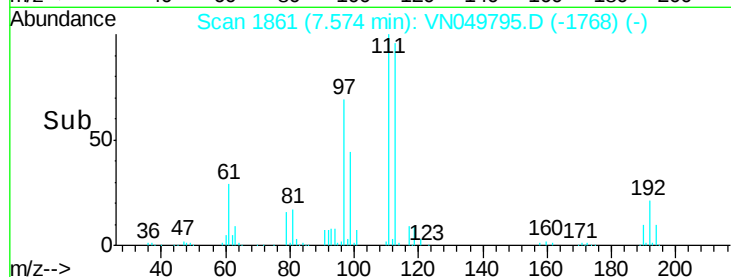
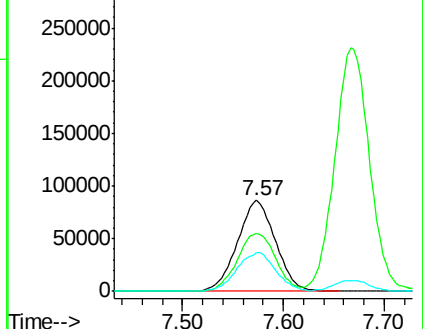
61 44.2 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN049795.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049795.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049795.D (-1768) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.57 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049795.D

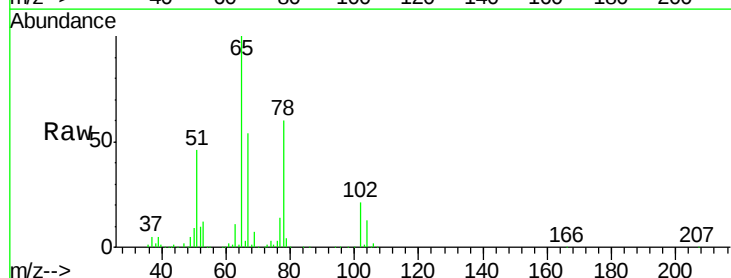
Acq: 13 Jul 2018 14:23

Tgt Ion: 65 Resp: 649563

Ion Ratio Lower Upper

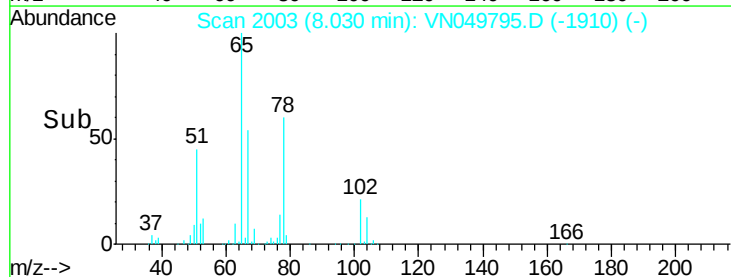
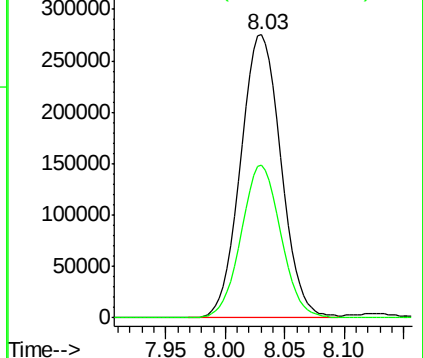
65 100

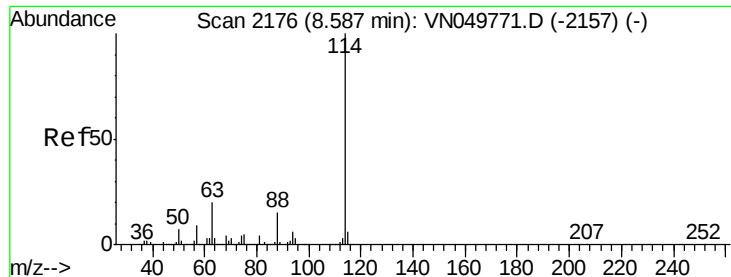
67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049795.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049795.D (-1910) (-)

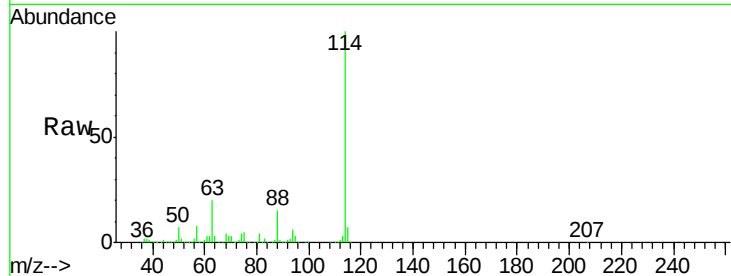




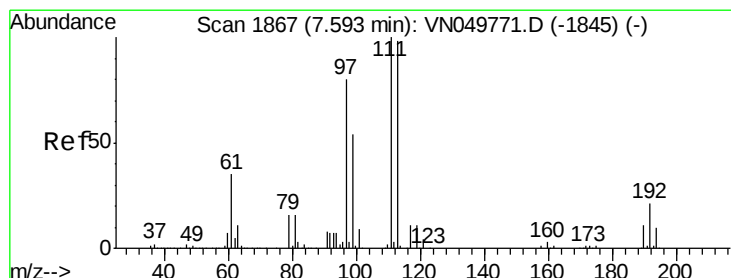
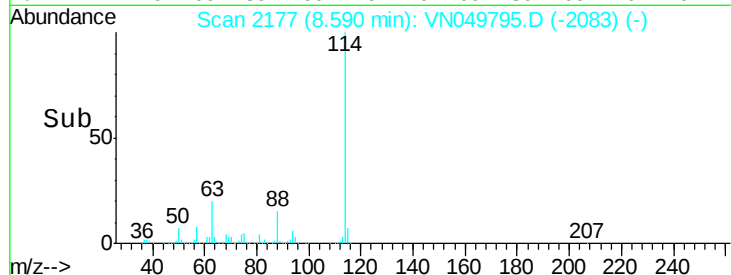
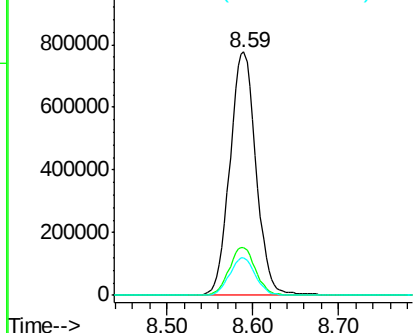
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

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

Tot Ion:114 Resp: 1636124
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.8
88 15.2 0.0 30.6

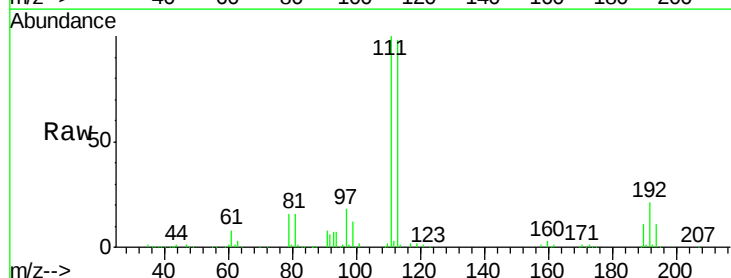


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

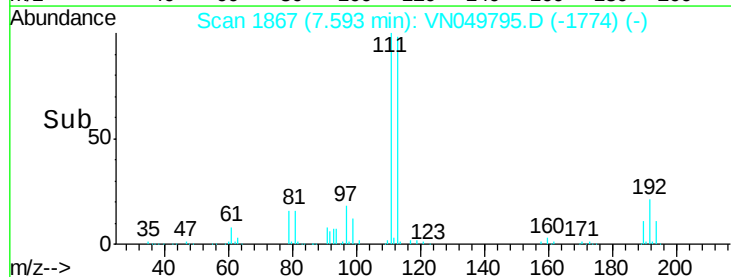
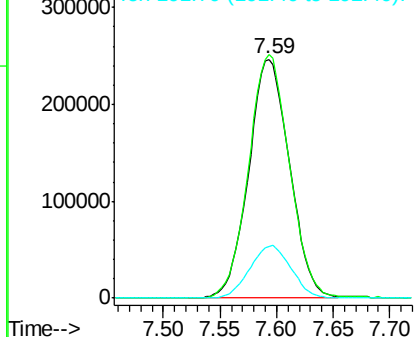


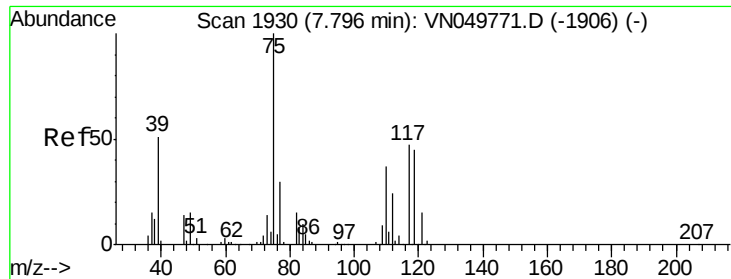
#35
Dibromofluoromethane
Concen: 50.15 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion:113 Resp: 618434
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 22.3 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

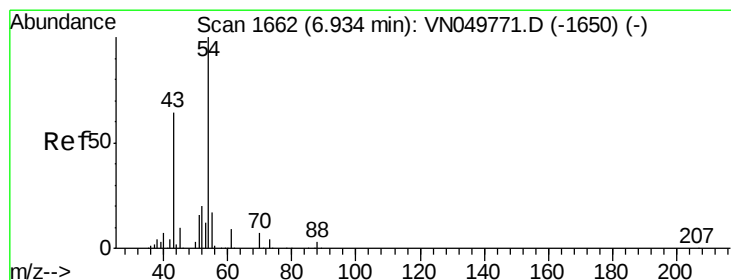
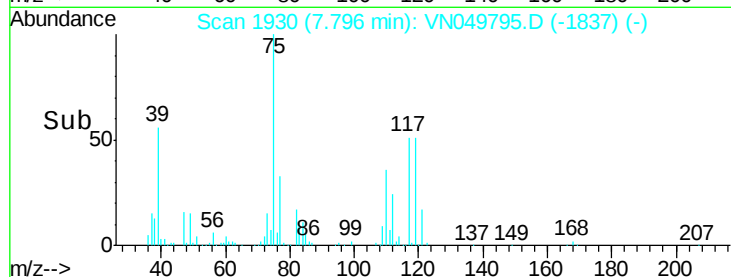
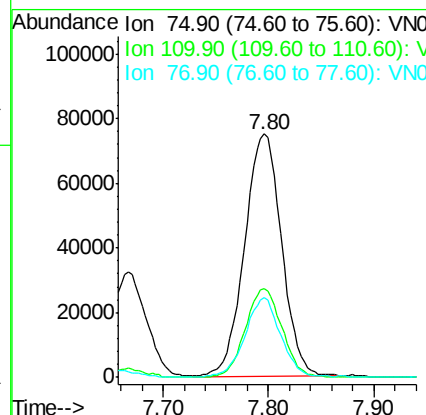
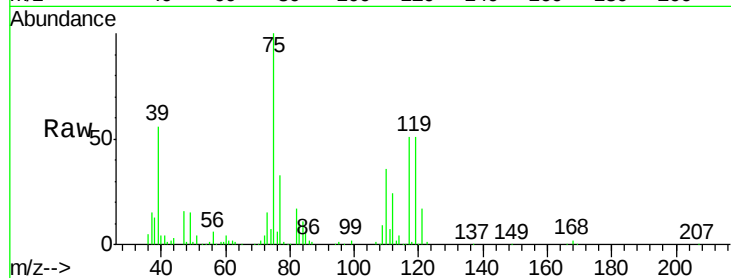




#36
 1,1-Dichloropropene
 Concen: 9.69 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

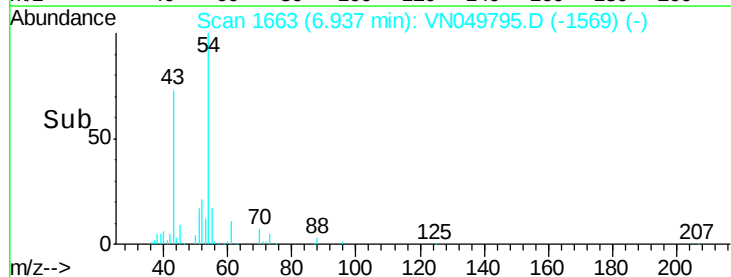
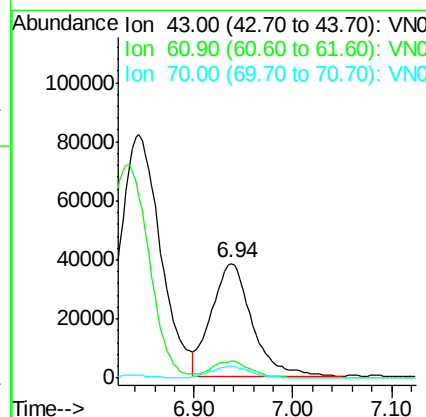
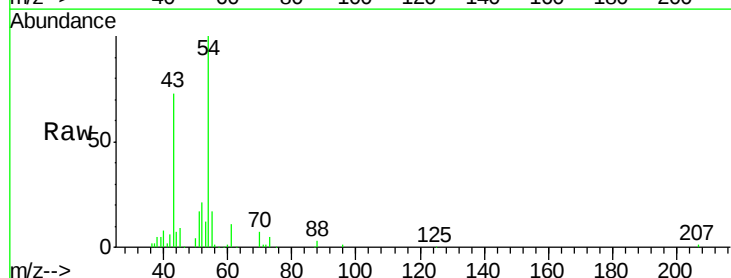
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

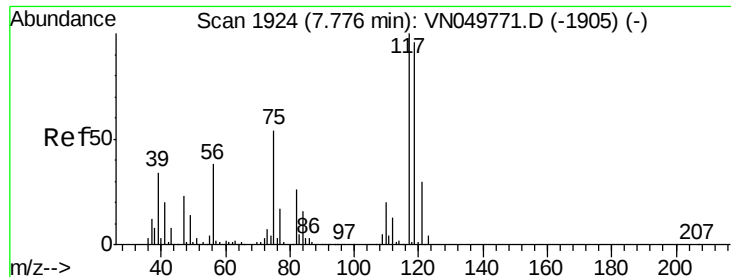
Tot Ion	75	Resp	182645
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.4
77	32.0	24.9	37.3



#37
 Ethyl Acetate
 Concen: 9.87 ug/l
 RT: 6.94 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

Tgt Ion	43	Resp	110148
Ion Ratio	Lower	Upper	
43	100		
61	13.8	11.7	17.5
70	10.7	8.4	12.6

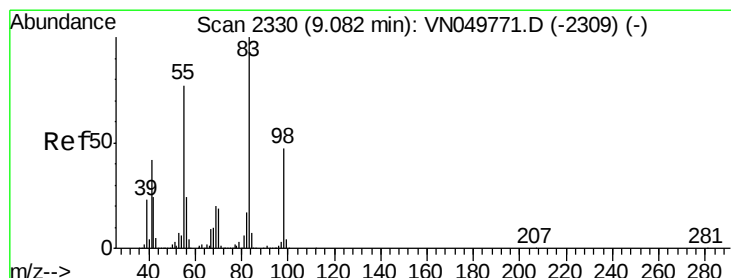
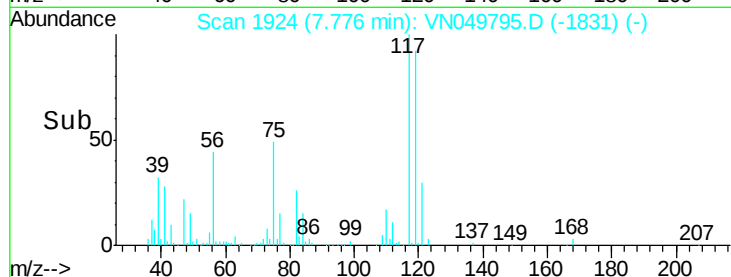
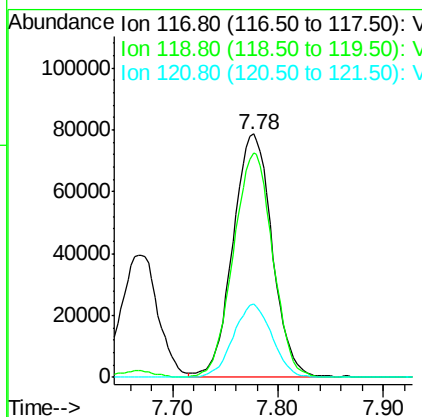
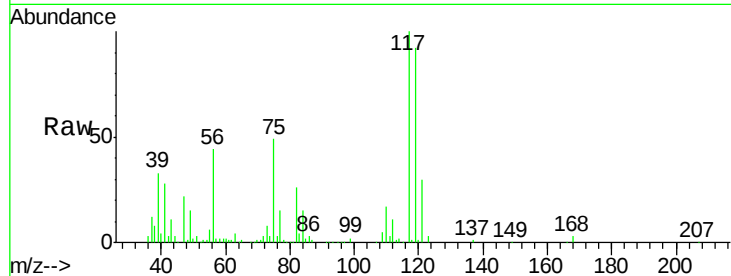




#38
Carbon Tetrachloride
Concen: 10.26 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

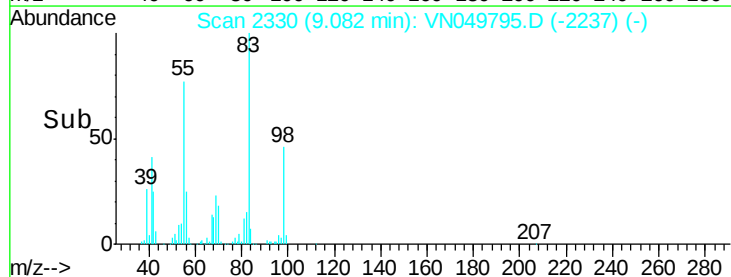
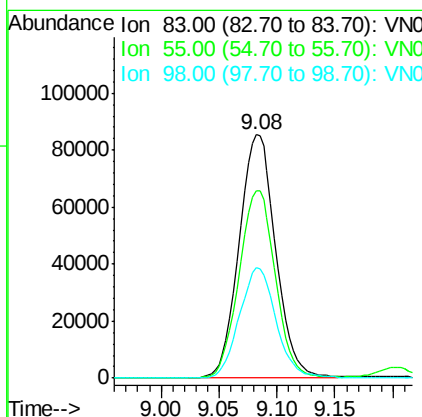
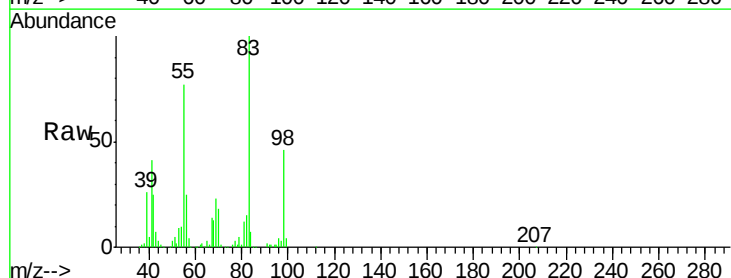
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

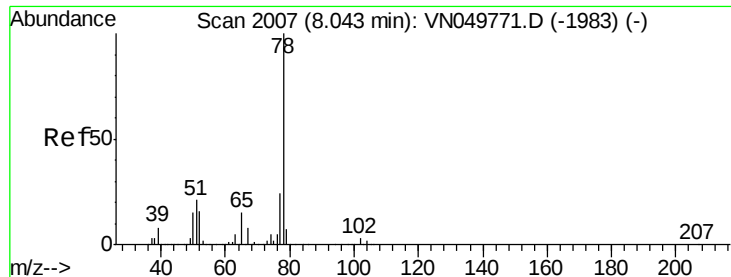
Tot Ion:117 Resp: 202189
Ion Ratio Lower Upper
117 100
119 92.5 77.2 115.8
121 30.4 25.0 37.6



#39
Methylcyclohexane
Concen: 9.44 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion: 83 Resp: 187640
Ion Ratio Lower Upper
83 100
55 77.1 59.7 89.5
98 45.6 36.5 54.7





#40

Benzene

Concen: 10.23 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

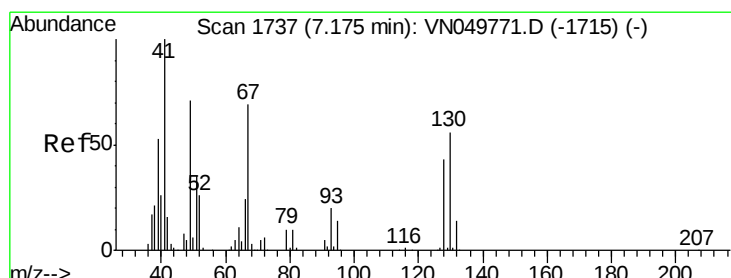
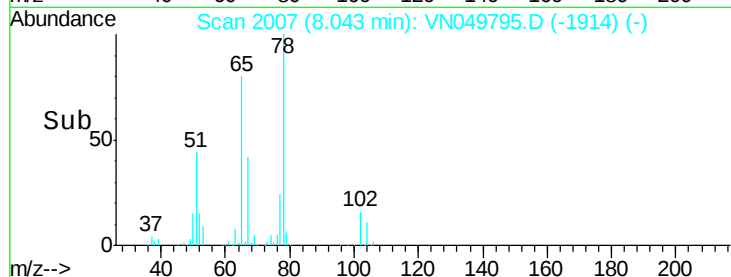
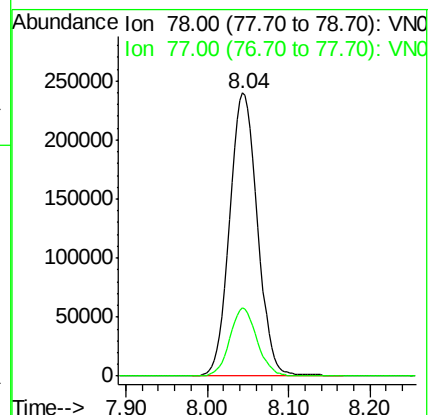
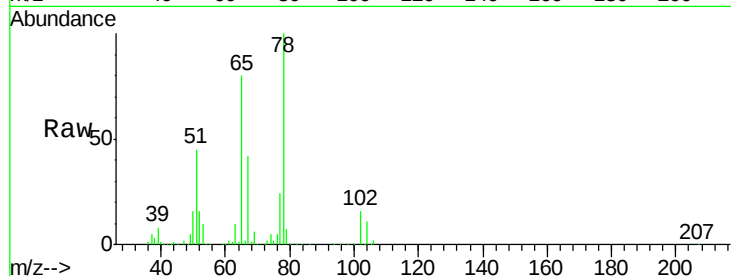
LOQ-WATER-02-QT3-2018

Tot Ion: 78 Resp: 577268

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#41

Methacrylonitrile

Concen: 7.23 ug/l

RT: 7.18 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Tgt Ion: 41 Resp: 45655

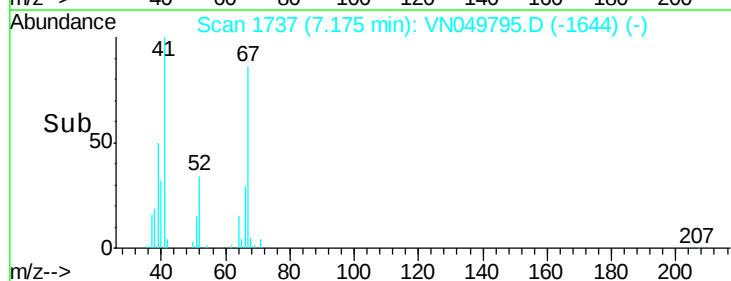
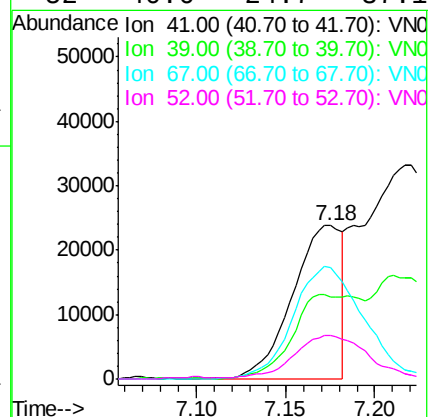
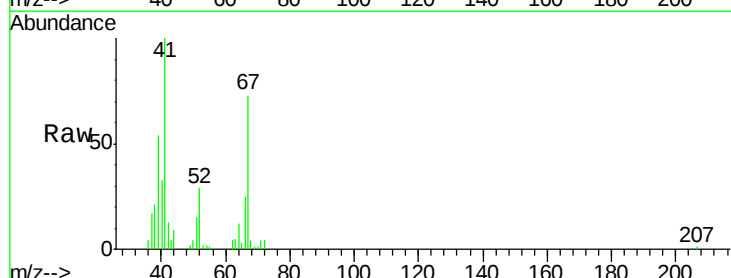
Ion Ratio Lower Upper

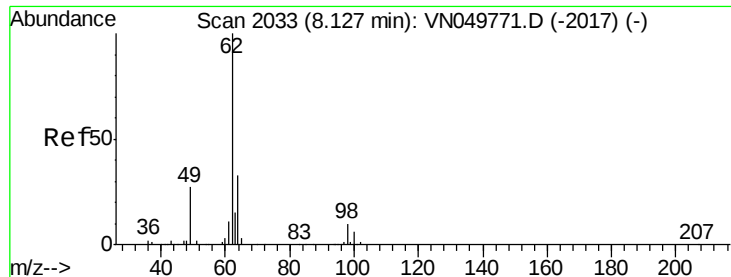
41 100

39 49.4 45.4 68.2

67 106.3 65.4 98.0#

52 40.6 24.7 37.1#





#42

1,2-Dichloroethane

Concen: 10.19 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

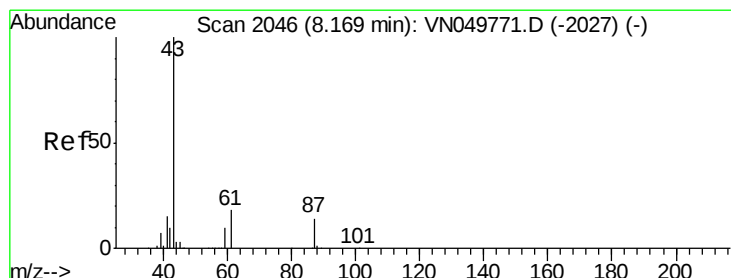
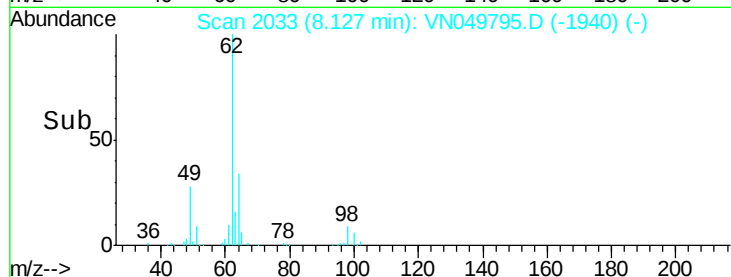
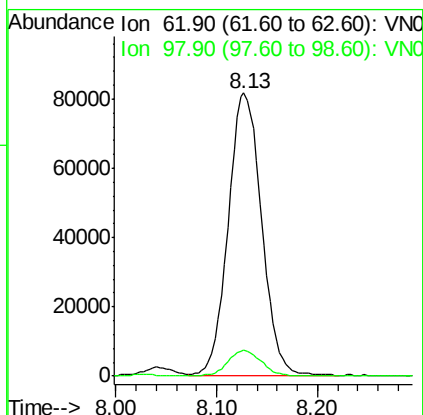
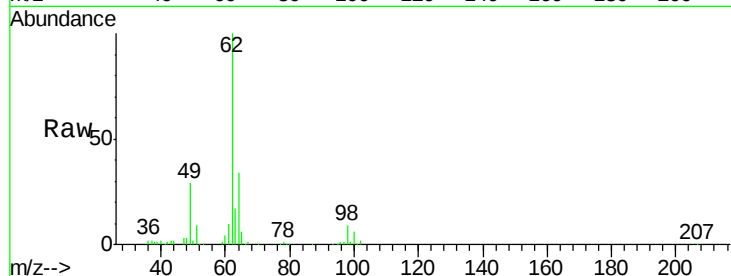
LOQ-WATER-02-QT3-2018

Tot Ion: 62 Resp: 187946

Ion Ratio Lower Upper

62 100

98 9.2 0.0 19.0



#43

Isopropyl Acetate

Concen: 9.65 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

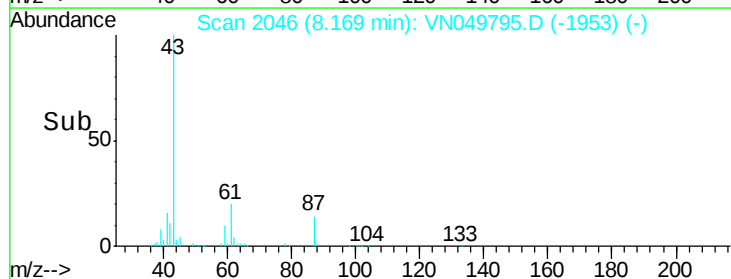
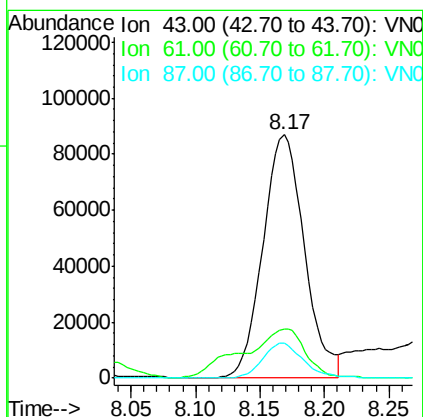
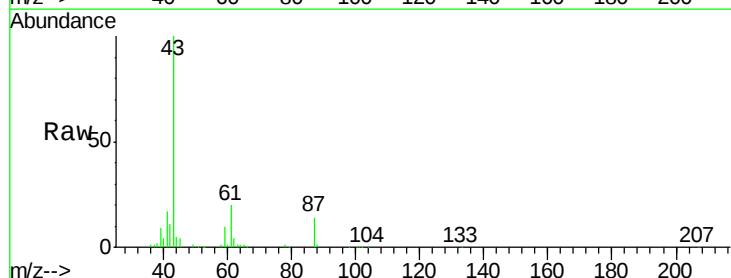
Tgt Ion: 43 Resp: 193483

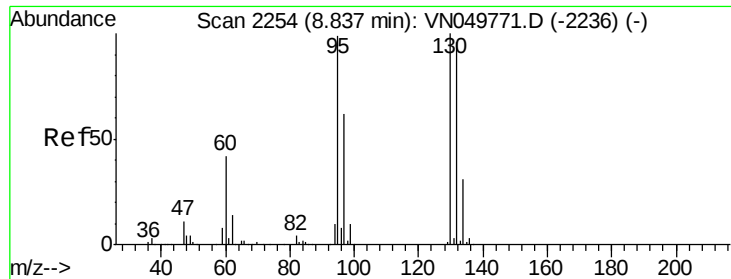
Ion Ratio Lower Upper

43 100

61 30.2 14.9 22.3#

87 14.3 10.0 15.0

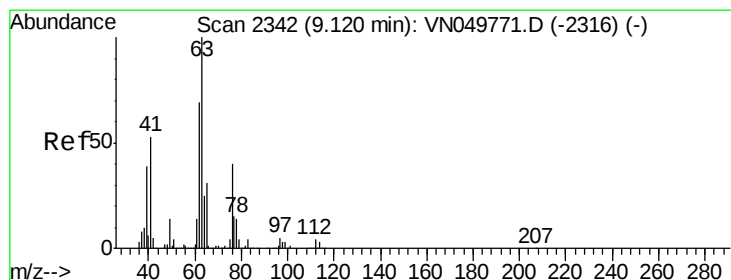
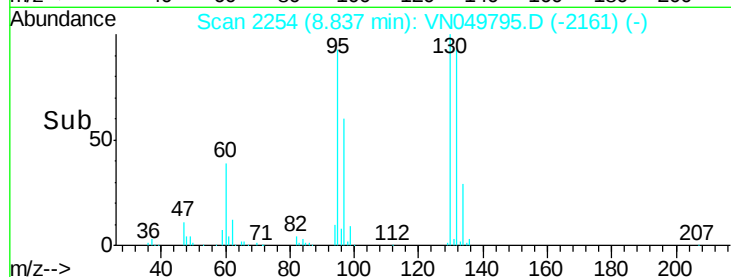
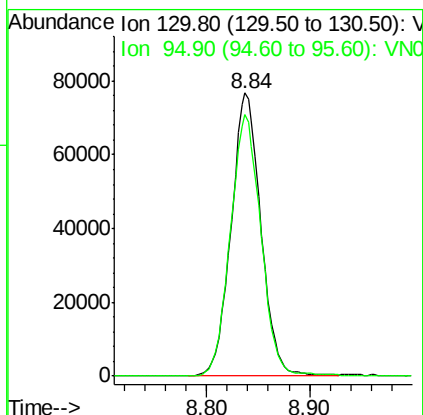
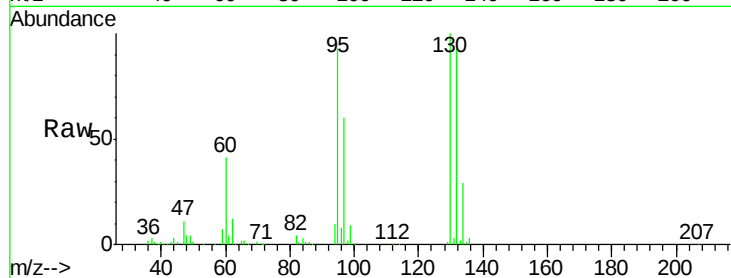




#44
 Trichloroethene
 Concen: 10.17 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

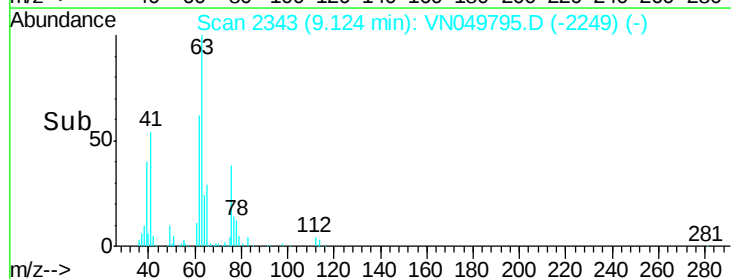
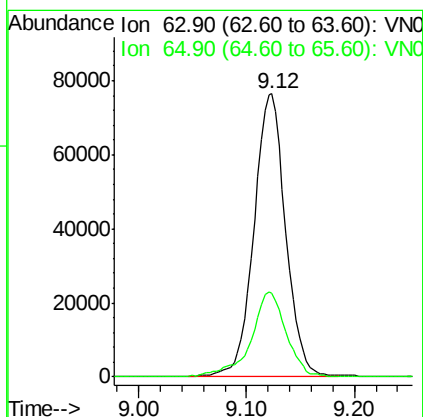
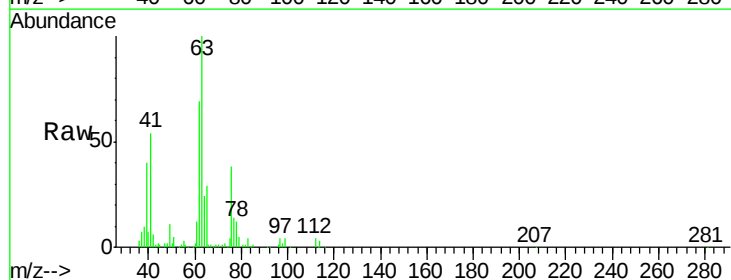
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

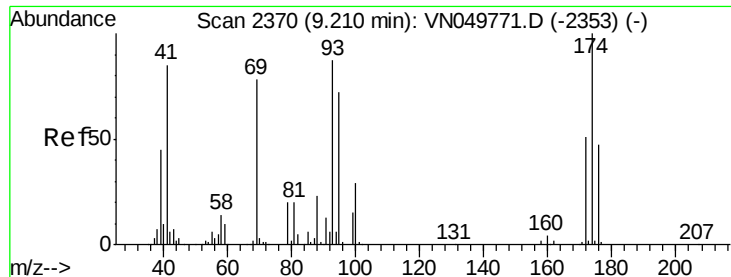
Tot Ion:130 Resp: 154456
 Ion Ratio Lower Upper
 130 100
 95 92.6 0.0 192.8



#45
 1,2-Dichloropropane
 Concen: 10.29 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

Tgt Ion: 63 Resp: 155985
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.7 37.1





#46

Dibromomethane

Concen: 10.16 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

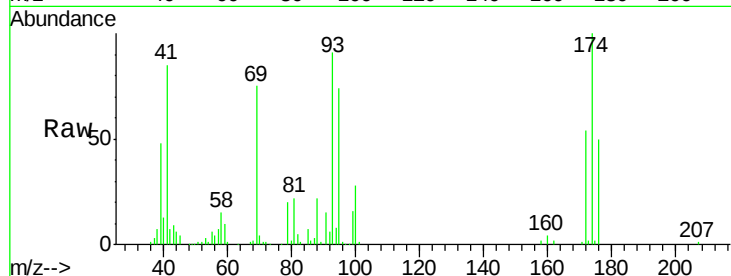
Tot Ion: 93 Resp: 91485

Ion Ratio Lower Upper

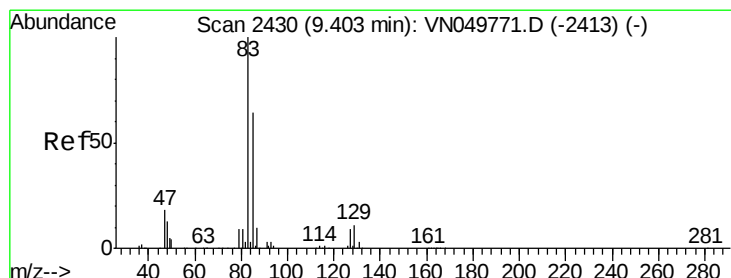
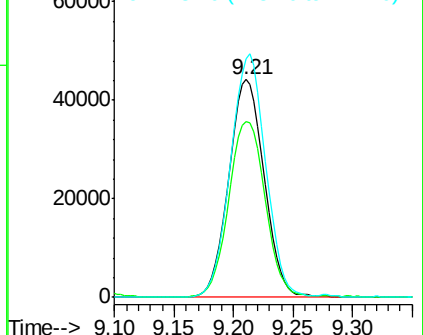
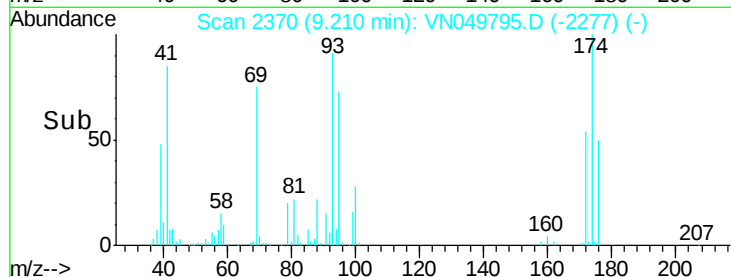
93 100

95 83.6 67.9 101.9

174 110.5 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049795.D (-2277) (-)



#47

Bromodichloromethane

Concen: 9.87 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

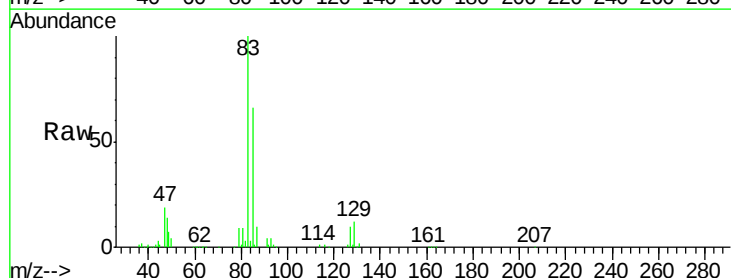
Tgt Ion: 83 Resp: 195682

Ion Ratio Lower Upper

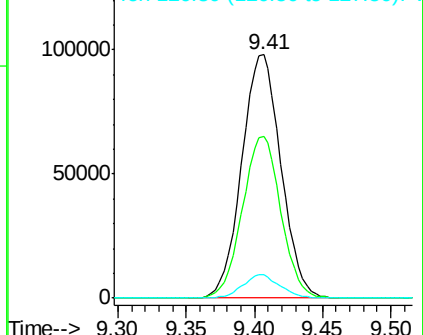
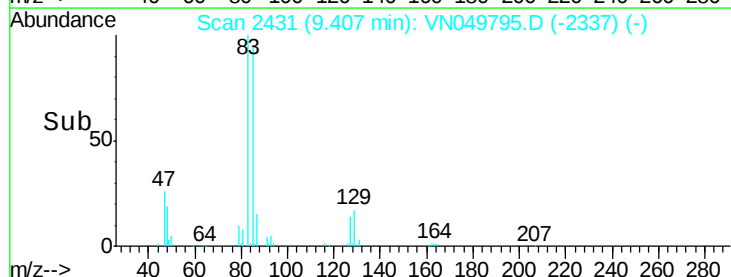
83 100

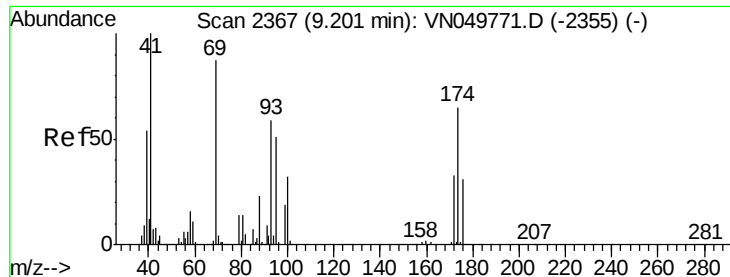
85 66.3 50.5 75.7

127 9.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049795.D (-2337) (-)

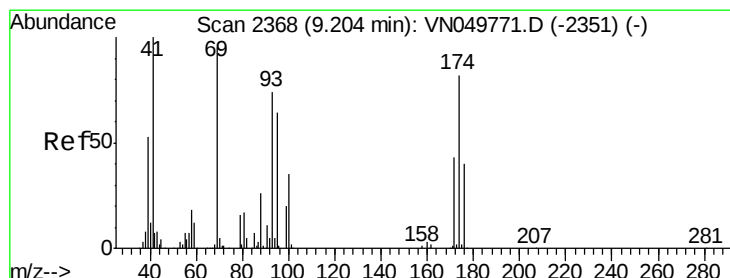
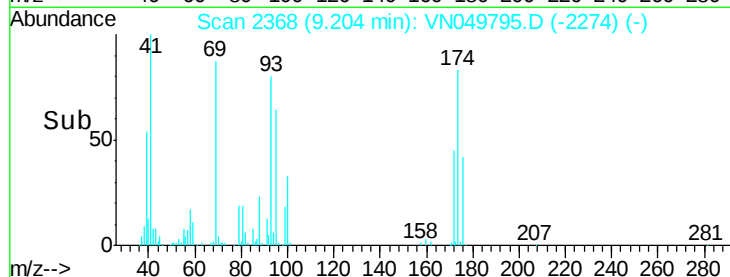
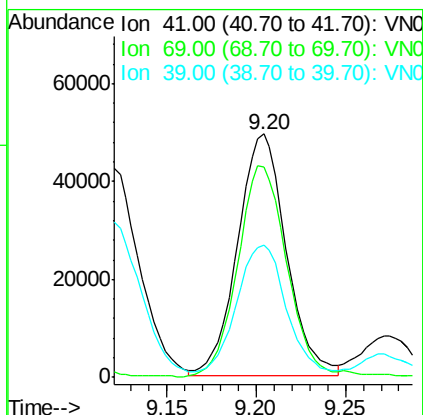
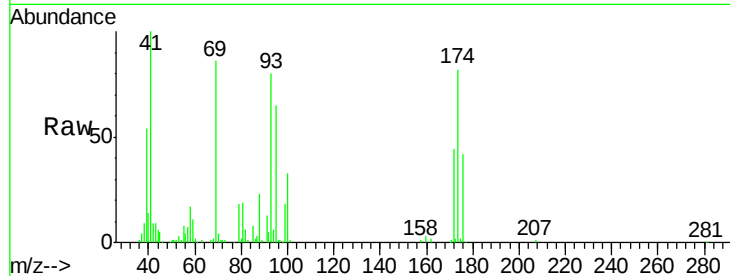




#48
Methvl methacrylate
Concen: 9.39 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

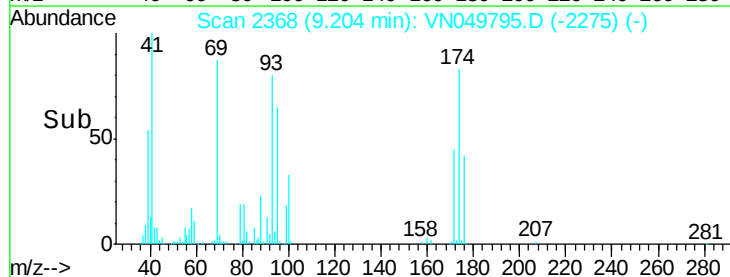
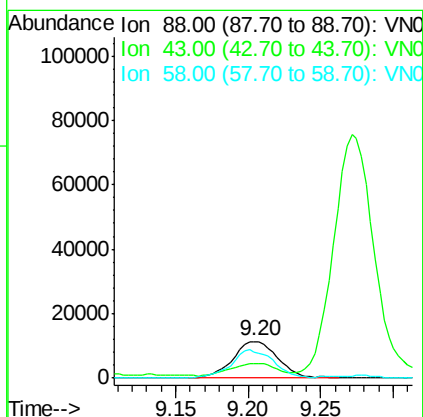
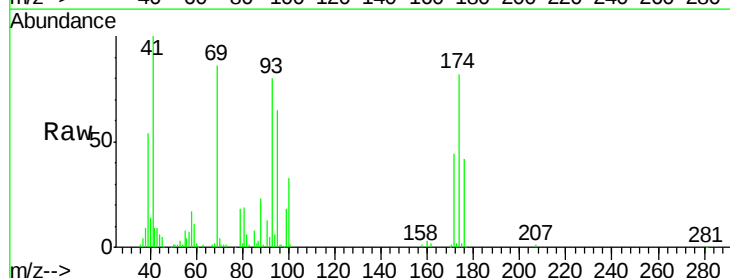
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2018

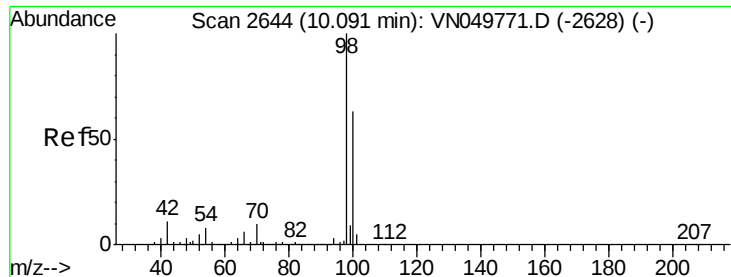
Tot Ion: 41 Resp: 94163
Ion Ratio Lower Upper
41 100
69 87.7 71.5 107.3
39 56.4 44.7 67.1



#49
1,4-Dioxane
Concen: 188.40 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion: 88 Resp: 24758
Ion Ratio Lower Upper
88 100
43 33.4 25.1 37.7
58 72.7 52.5 78.7





#50

Toluene-d8

Concen: 48.02 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

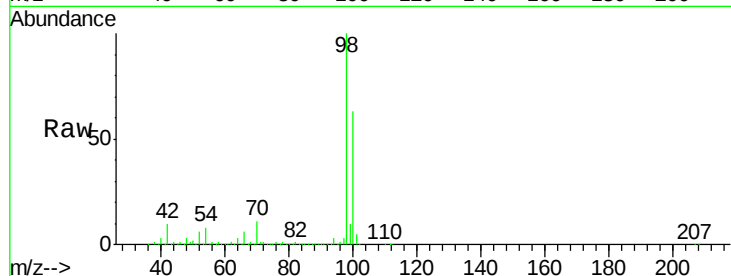
LOQ-WATER-02-QT3-2018

Tot Ion: 98 Resp: 2027158

Ion Ratio Lower Upper

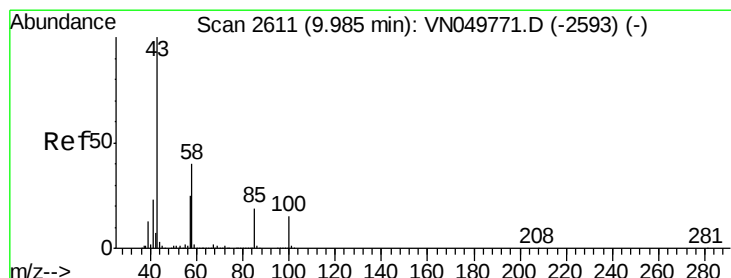
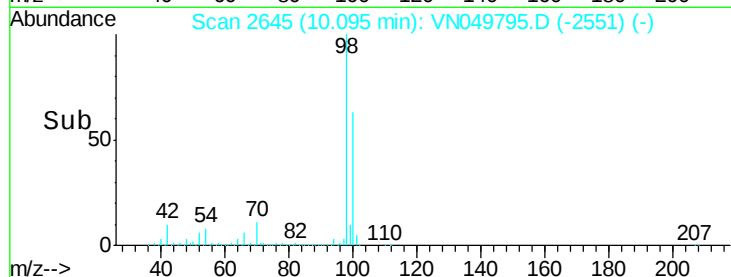
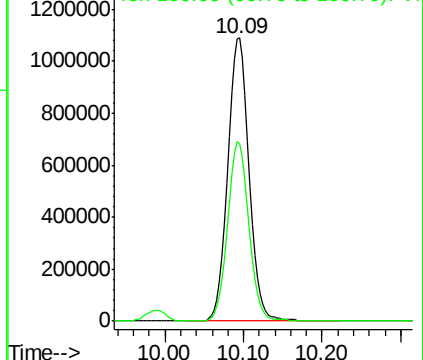
98 100

100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 48.62 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049795.D

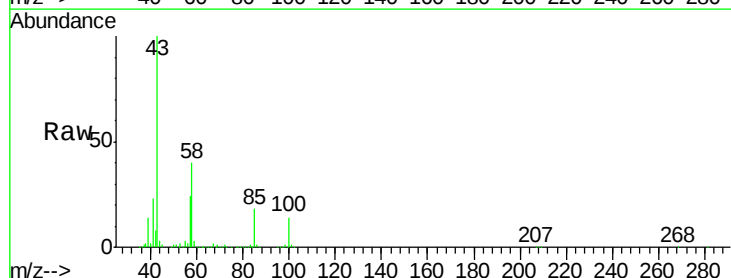
Acq: 13 Jul 2018 14:23

Tgt Ion: 43 Resp: 529493

Ion Ratio Lower Upper

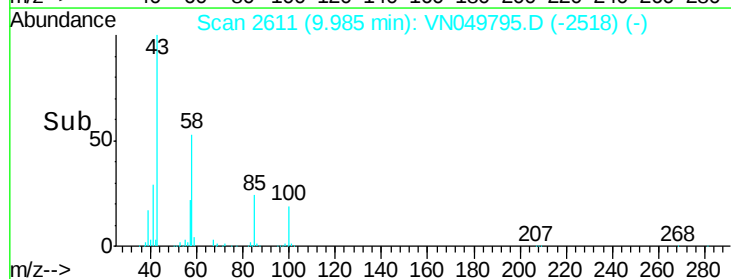
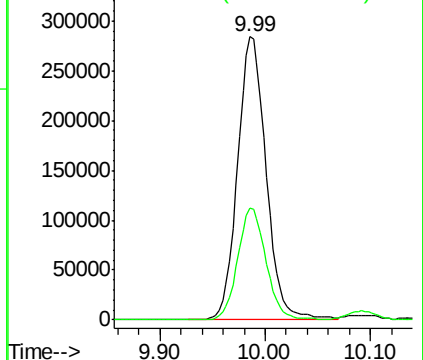
43 100

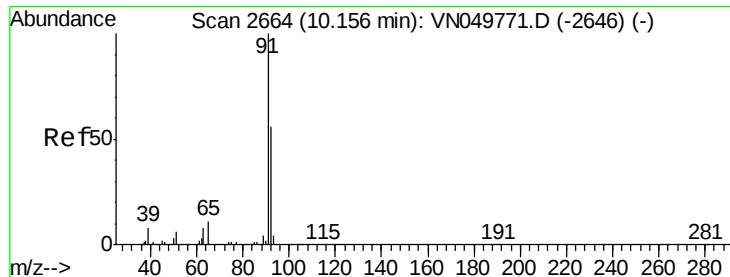
58 39.5 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 10.43 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

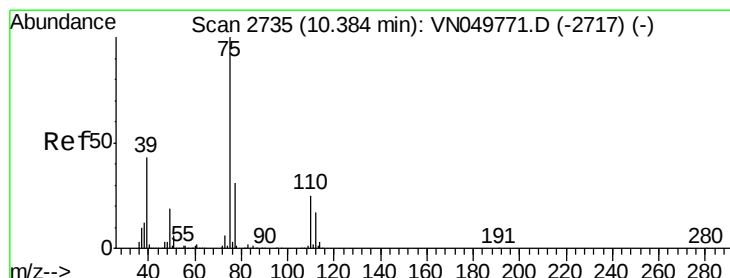
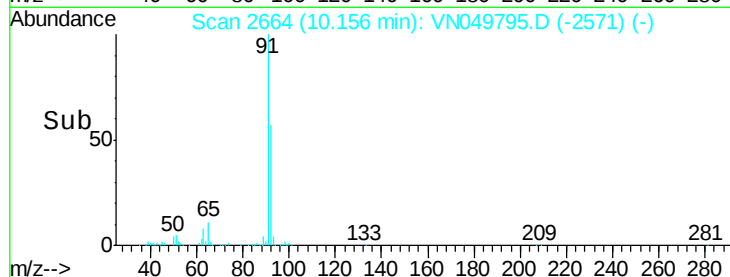
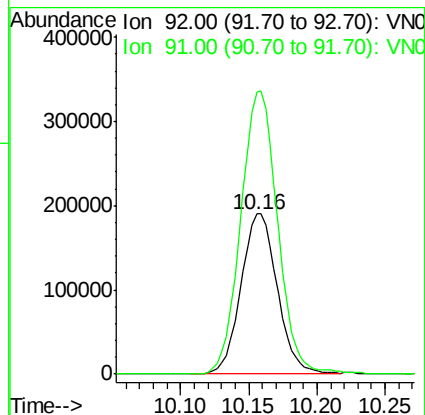
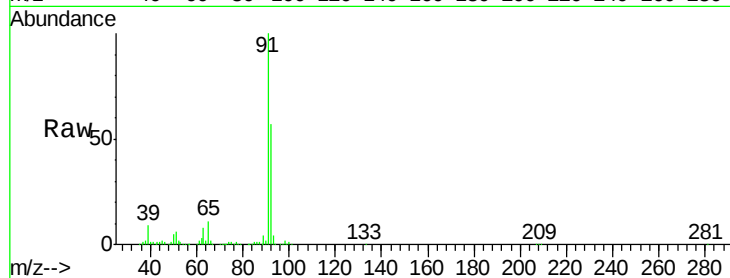
LOQ-WATER-02-QT3-2018

Tot Ion: 92 Resp: 351995

Ion Ratio Lower Upper

92 100

91 179.6 140.1 210.1



#53

t-1,3-Dichloropropene

Concen: 9.44 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049795.D

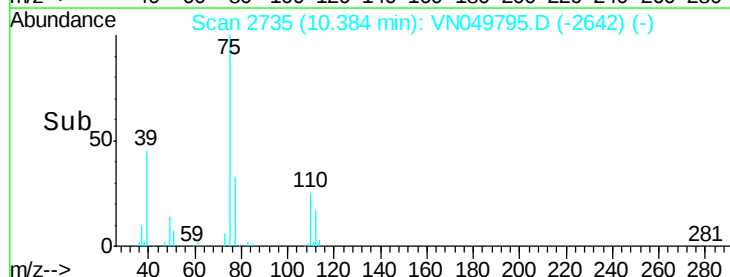
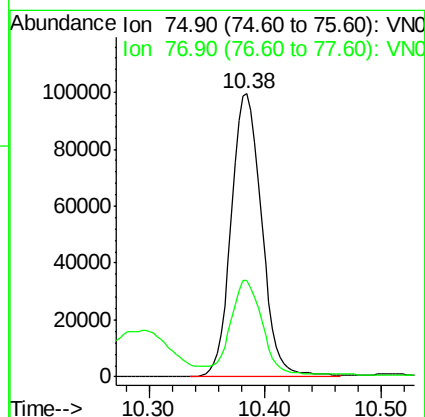
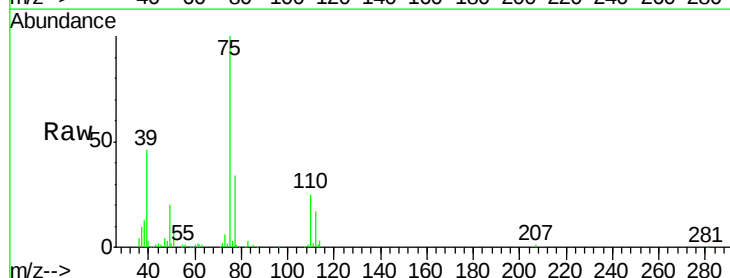
Acq: 13 Jul 2018 14:23

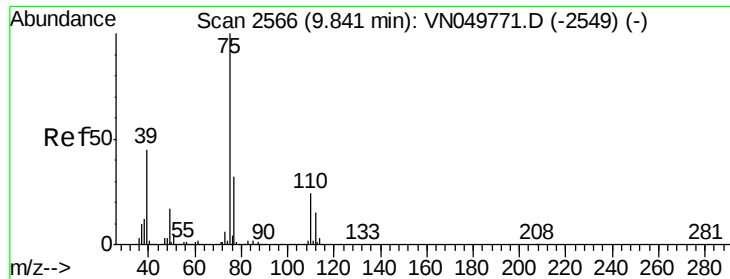
Tgt Ion: 75 Resp: 180068

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8





#54

cis-1,3-Dichloropropene

Concen: 9.93 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

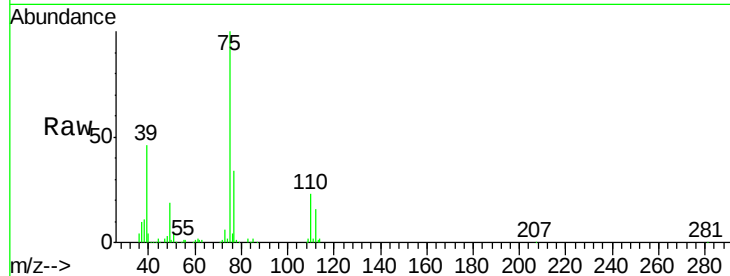
Tot Ion: 75 Resp: 215733

Ion Ratio Lower Upper

75 100

77 33.5 25.3 37.9

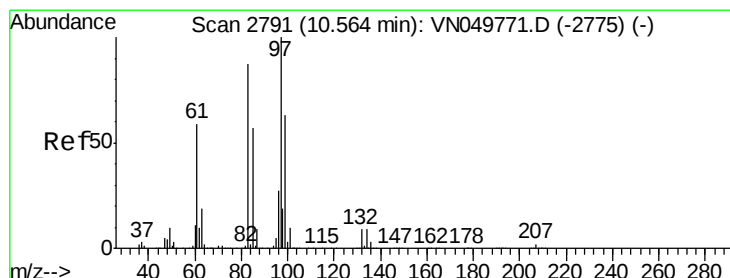
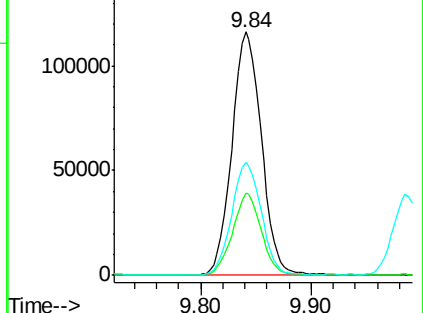
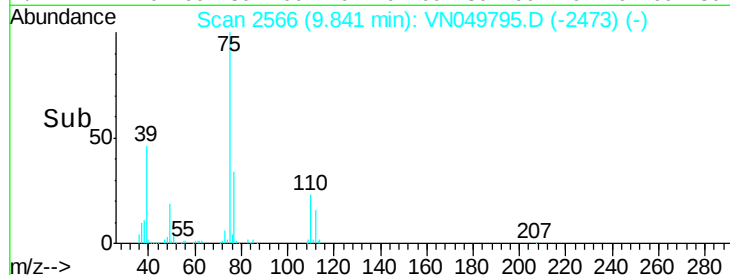
39 46.0 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN049795.D (-2473) (-)

Ion 76.90 (76.60 to 77.60): VN049795.D (-2473) (-)

Ion 39.00 (38.70 to 39.70): VN049795.D (-2473) (-)



#55

1,1,2-Trichloroethane

Concen: 10.27 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Tgt Ion: 97 Resp: 138031

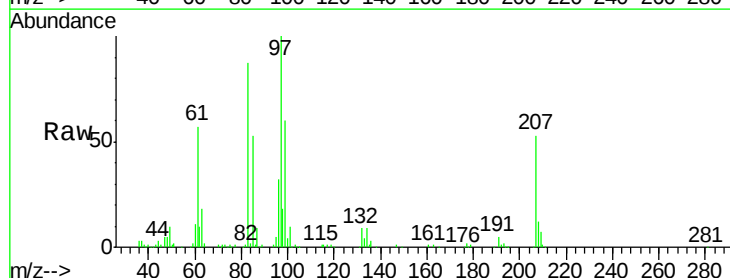
Ion Ratio Lower Upper

97 100

83 86.9 69.0 103.6

85 53.5 44.9 67.3

99 60.3 49.8 74.6

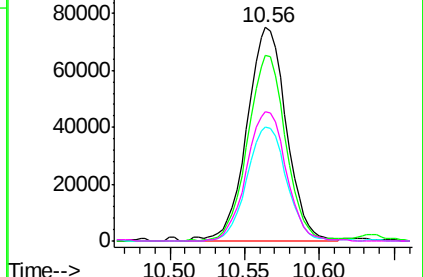
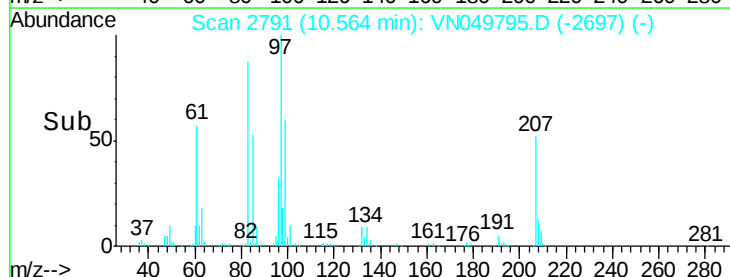


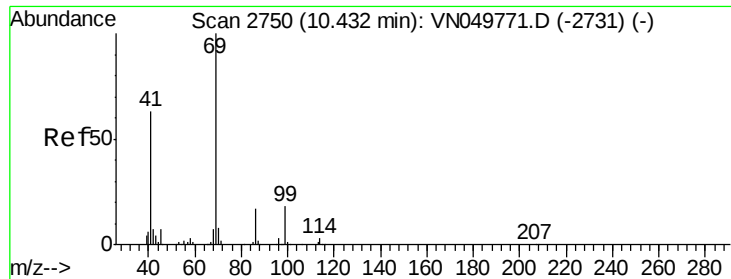
Abundance Ion 96.90 (96.60 to 97.60): VN049795.D (-2697) (-)

Ion 82.90 (82.60 to 83.60): VN049795.D (-2697) (-)

Ion 84.90 (84.60 to 85.60): VN049795.D (-2697) (-)

Ion 98.90 (98.60 to 99.60): VN049795.D (-2697) (-)





#56

Ethyl methacrylate

Concen: 9.37 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

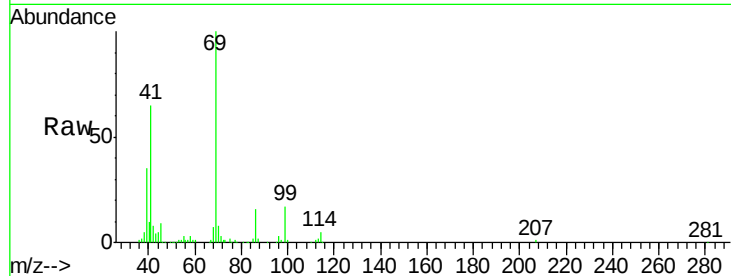
Tot Ion: 69 Resp: 142743

Ion Ratio Lower Upper

69 100

41 64.8 51.6 77.4

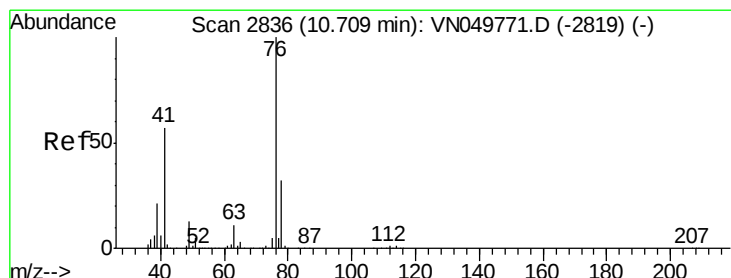
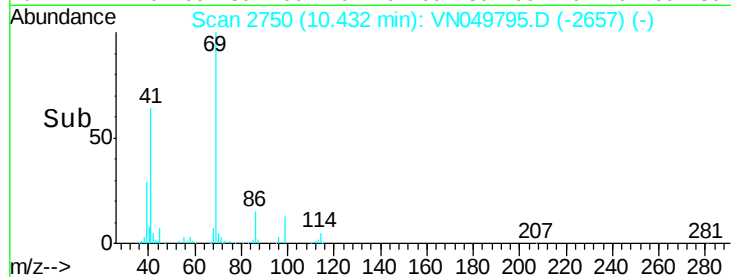
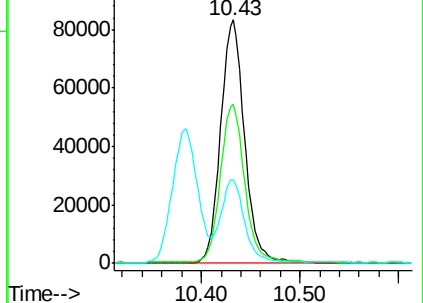
39 33.4 25.8 38.8



Abundance Ion 69.00 (68.70 to 69.70): VN049771.D (-2731) (-)

Ion 41.00 (40.70 to 41.70): VN049771.D (-2731) (-)

Ion 39.00 (38.70 to 39.70): VN049771.D (-2731) (-)



#57

1,3-Dichloropropane

Concen: 10.05 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049795.D

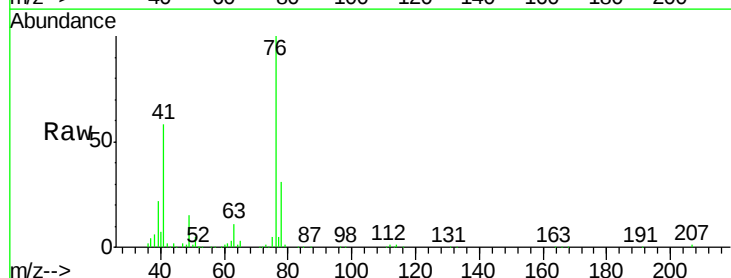
Acq: 13 Jul 2018 14:23

Tgt Ion: 76 Resp: 216114

Ion Ratio Lower Upper

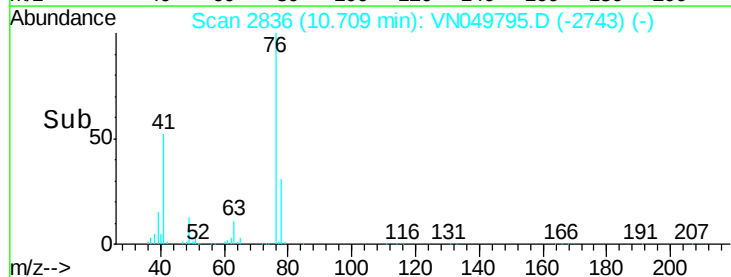
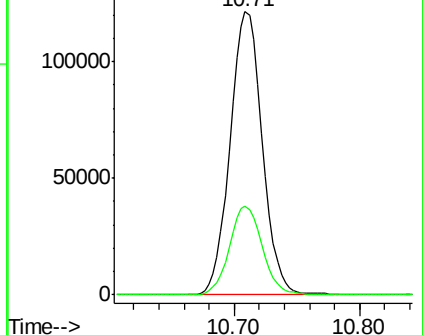
76 100

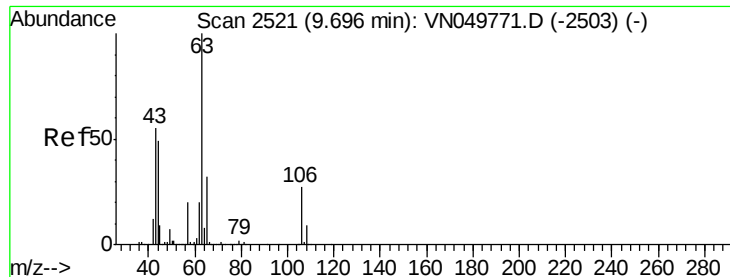
78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN049771.D (-2819) (-)

Ion 77.90 (77.60 to 78.60): VN049771.D (-2819) (-)





#58

2-Chloroethyl Vinyl ether

Concen: 45.40 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

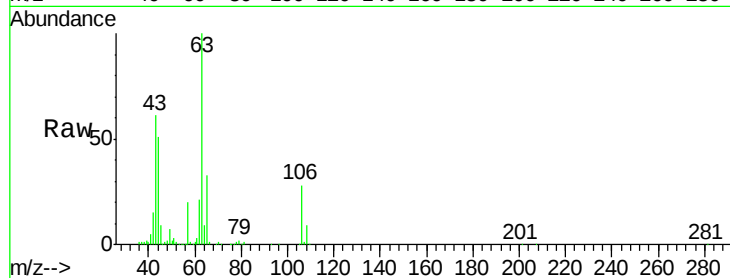
LOQ-WATER-02-QT3-2018

Tot Ion: 63 Resp: 331759

Ion Ratio Lower Upper

63 100

106 27.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

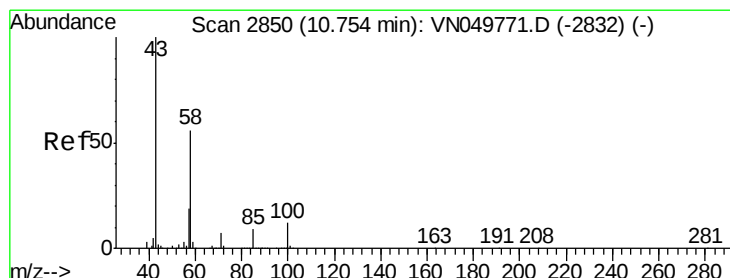
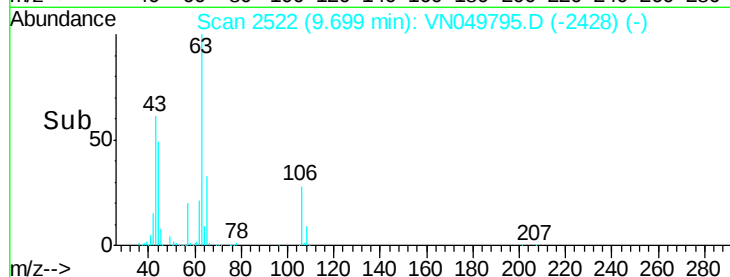
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 45.31 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049795.D

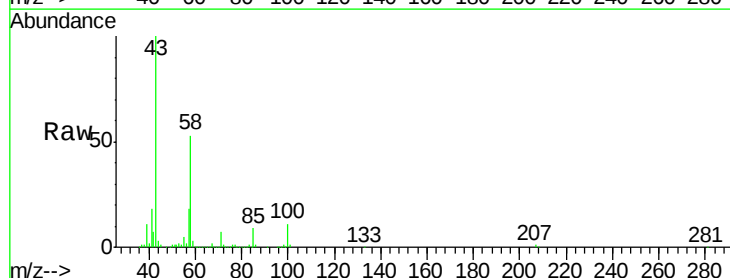
Acq: 13 Jul 2018 14:23

Tgt Ion: 43 Resp: 328043

Ion Ratio Lower Upper

43 100

58 54.2 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

200000

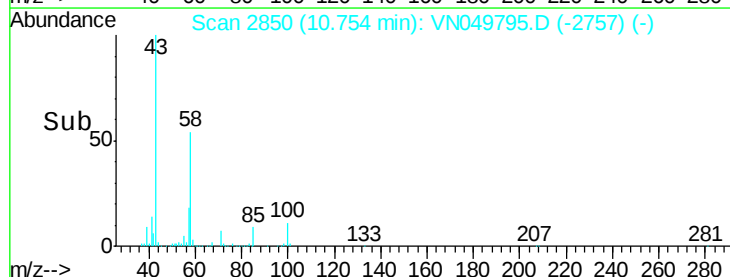
150000

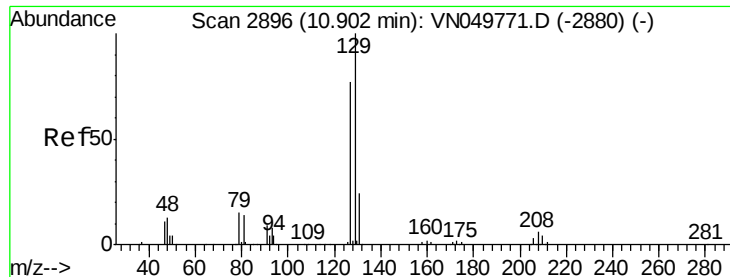
100000

50000

0

Time-->





#60

Dibromochloromethane

Concen: 9.89 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

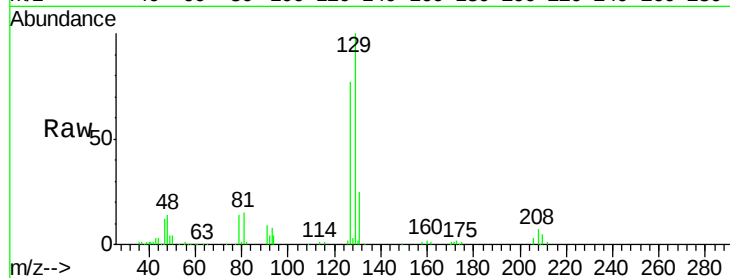
LOQ-WATER-02-QT3-2018

Tot Ion:129 Resp: 146252

Ion Ratio Lower Upper

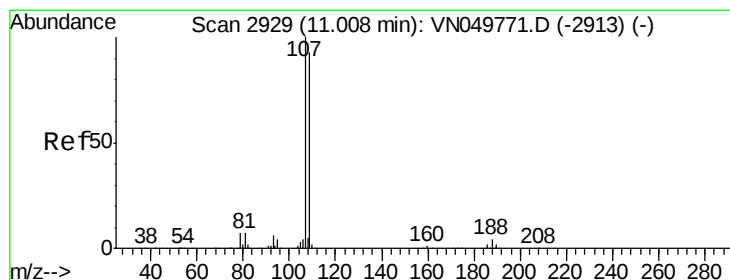
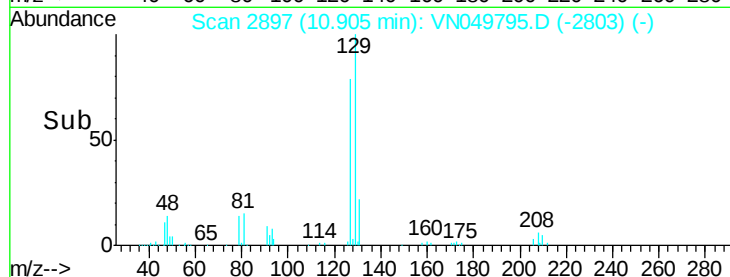
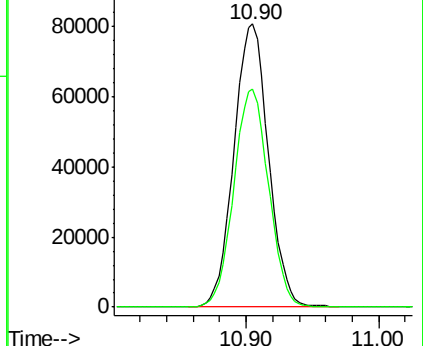
129 100

127 77.5 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: 10.05 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049795.D

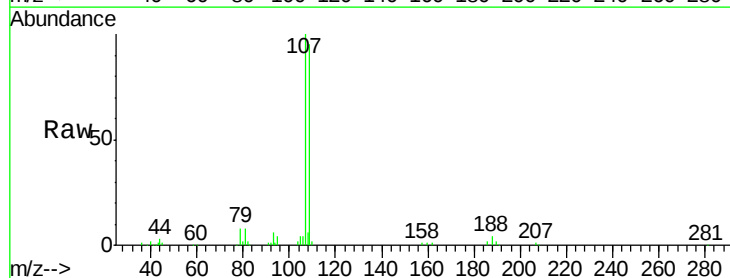
Acq: 13 Jul 2018 14:23

Tgt Ion:107 Resp: 123452

Ion Ratio Lower Upper

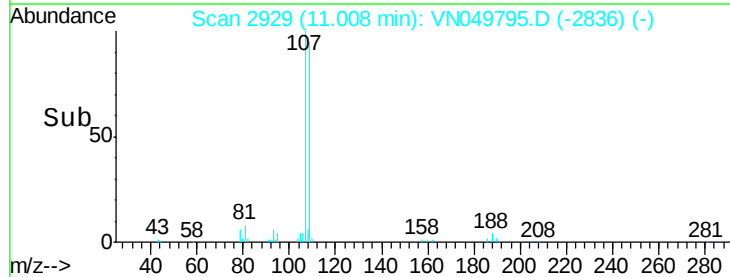
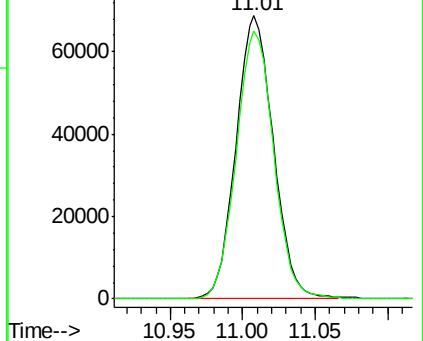
107 100

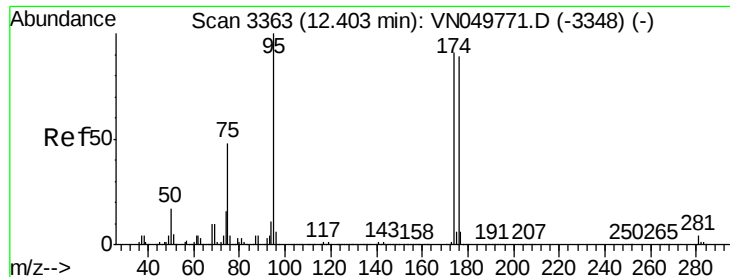
109 94.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 46.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

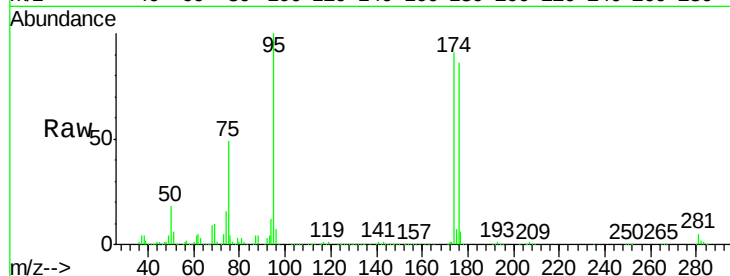
Tot Ion: 95 Resp: 702527

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

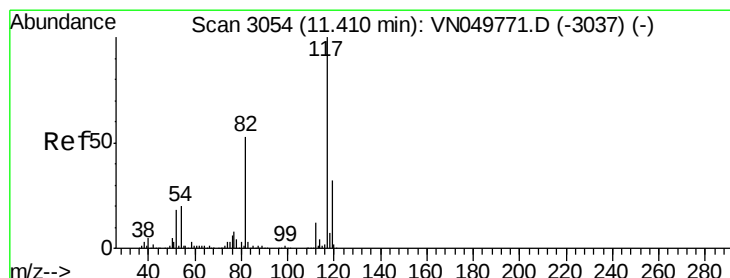
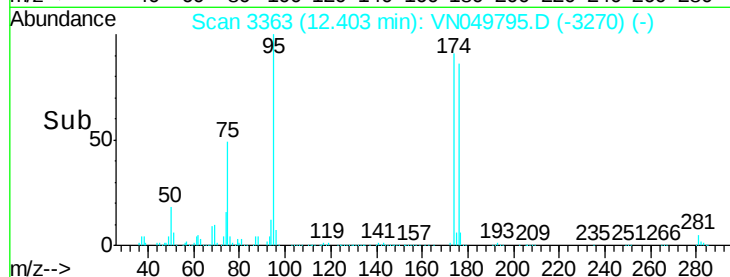
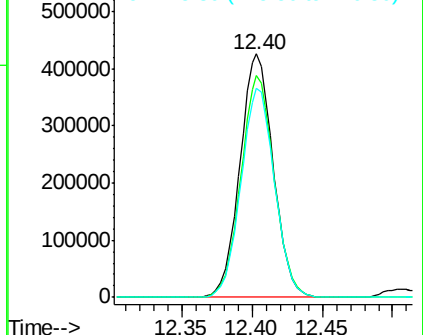
176 87.0 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

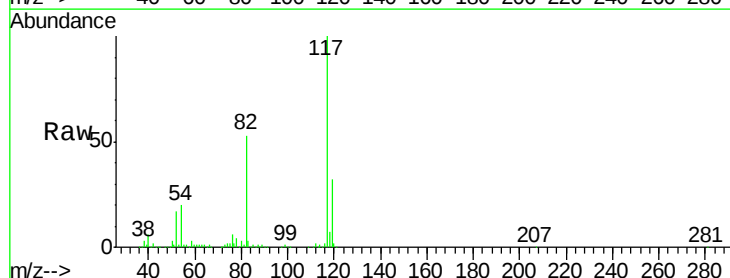
Tgt Ion: 117 Resp: 1489785

Ion Ratio Lower Upper

117 100

82 53.4 41.9 62.9

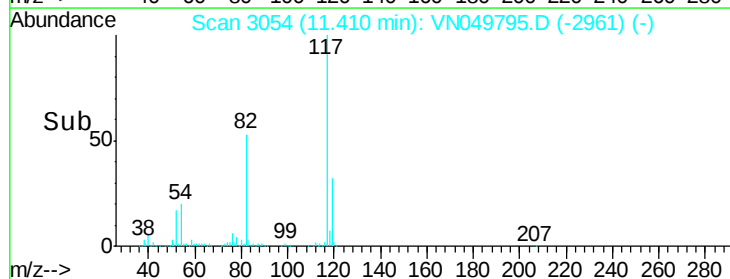
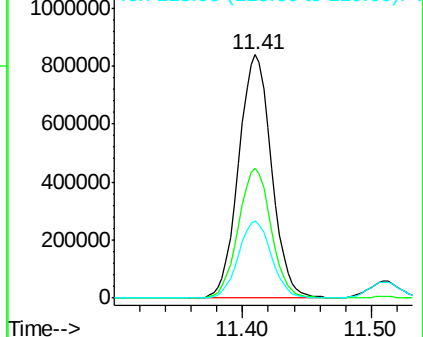
119 31.6 25.4 38.2

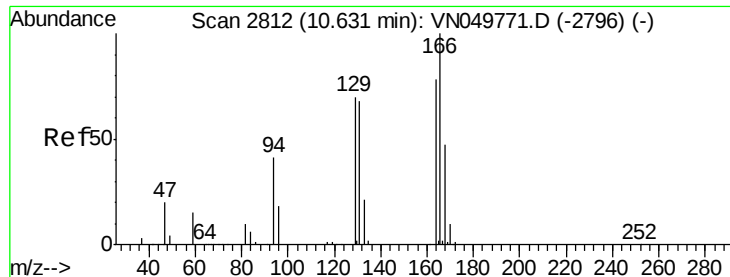


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 10.37 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:164 Resp: 140337

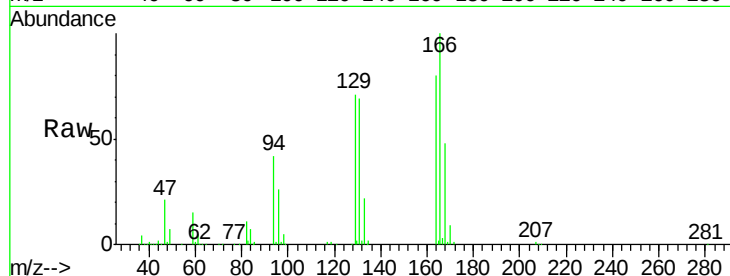
Ion Ratio Lower Upper

164 100

166 124.4 101.8 152.6

129 88.4 72.8 109.2

131 85.5 70.0 105.0

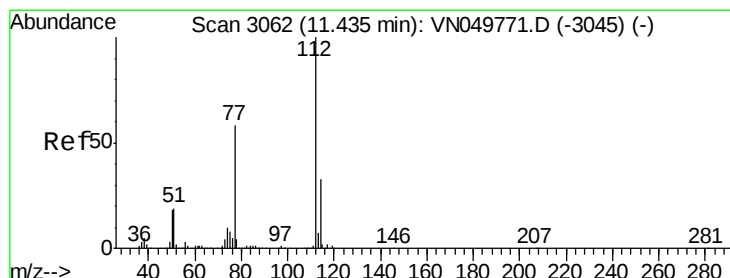
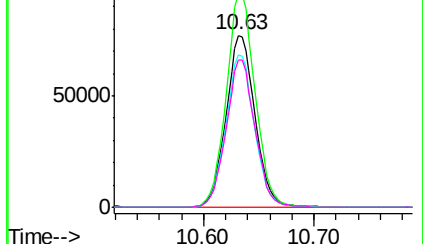
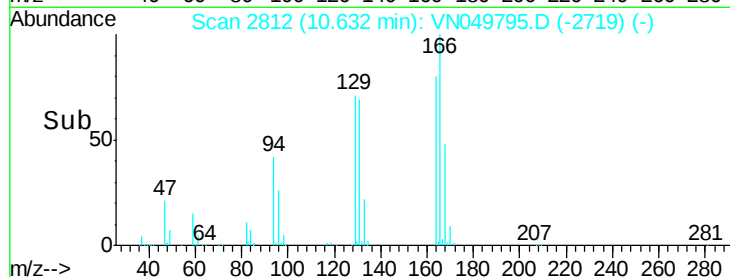


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 9.95 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049795.D

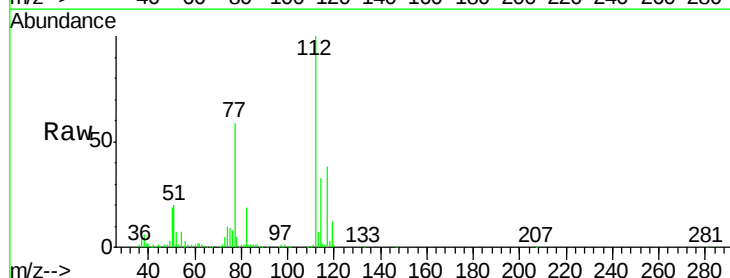
Acq: 13 Jul 2018 14:23

Tgt Ion:112 Resp: 386092

Ion Ratio Lower Upper

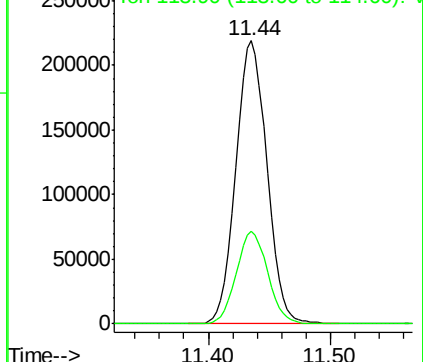
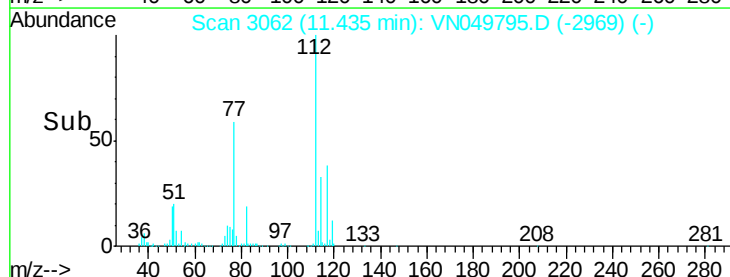
112 100

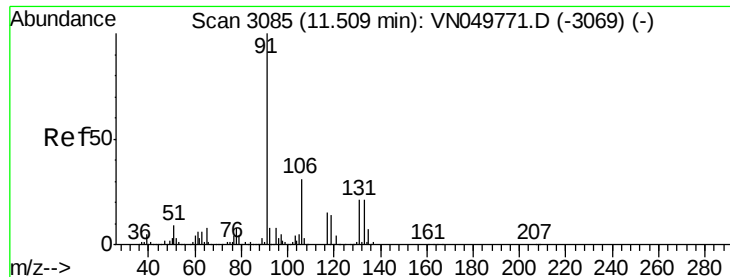
114 32.6 25.4 38.0



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: 10.07 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

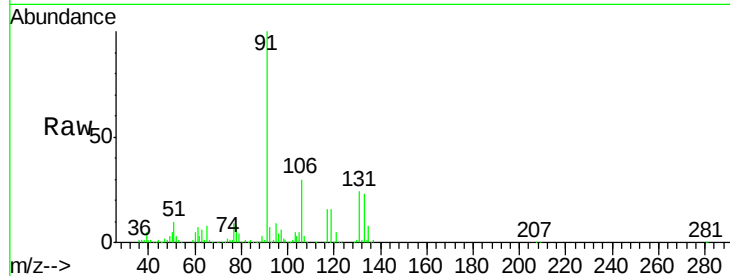
Tot Ion:131 Resp: 146988

Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.6

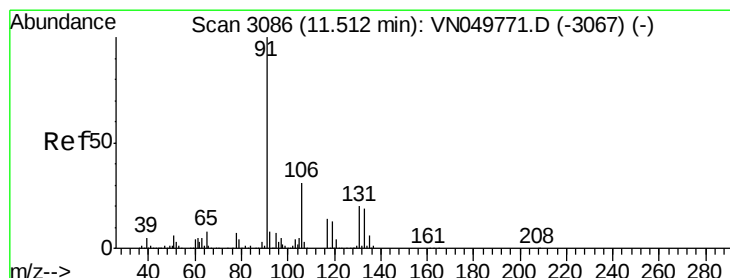
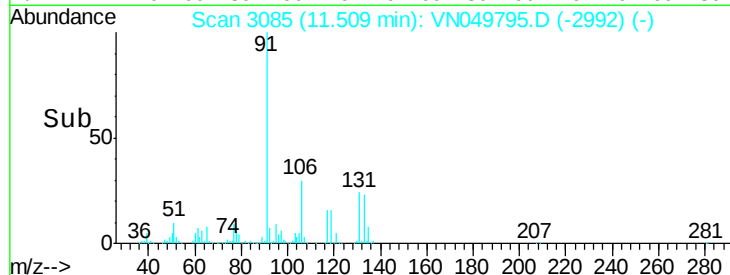
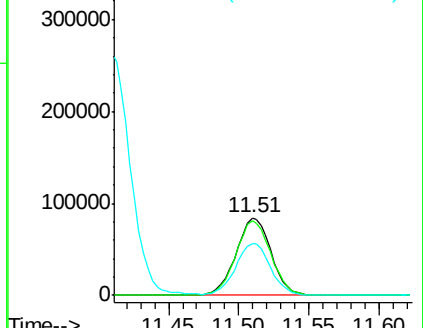
119 66.7 33.1 99.3



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: 9.72 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049795.D

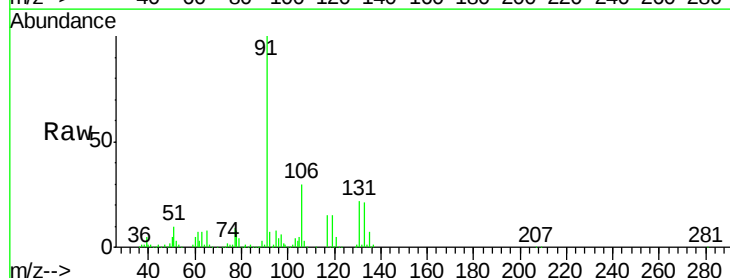
Acq: 13 Jul 2018 14:23

Tgt Ion: 91 Resp: 617483

Ion Ratio Lower Upper

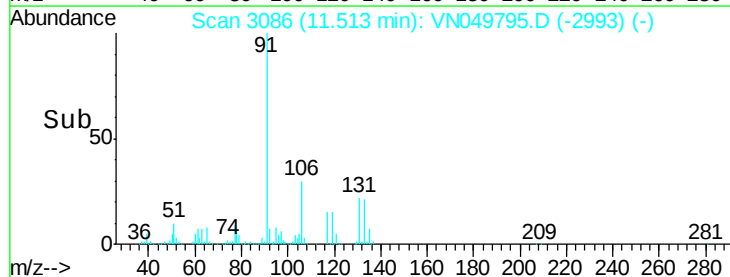
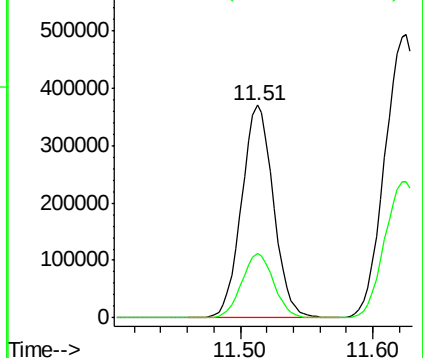
91 100

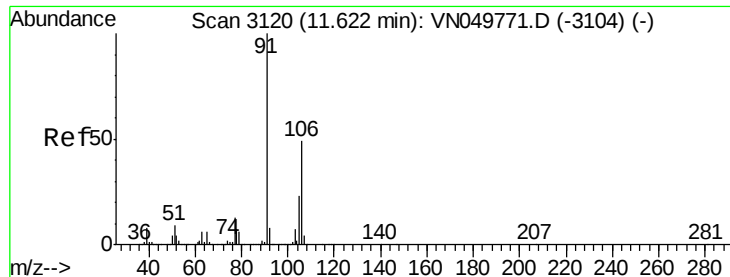
106 30.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 19.73 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

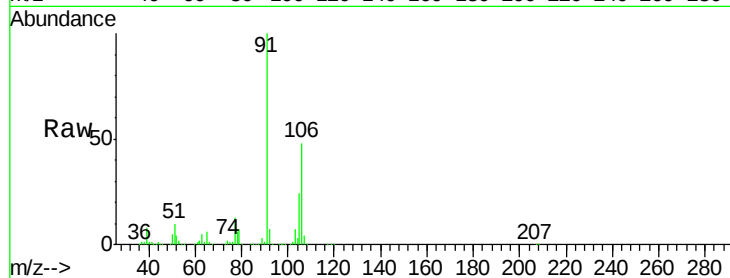
LOQ-WATER-02-QT3-2018

Tot Ion:106 Resp: 470566

Ion Ratio Lower Upper

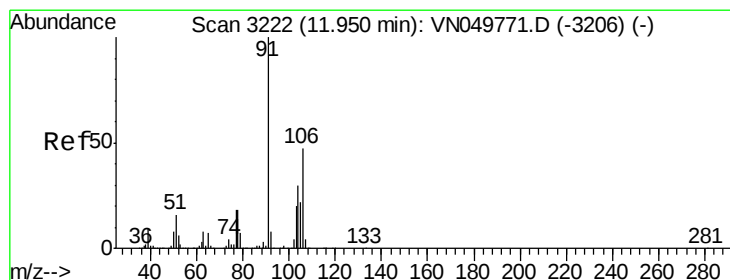
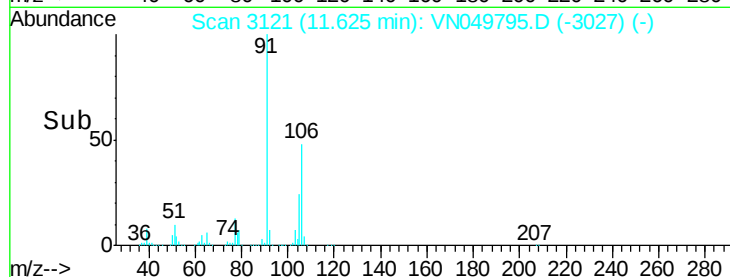
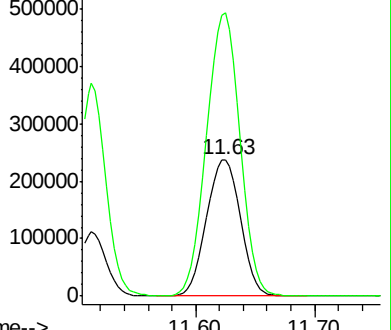
106 100

91 203.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 9.89 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049795.D

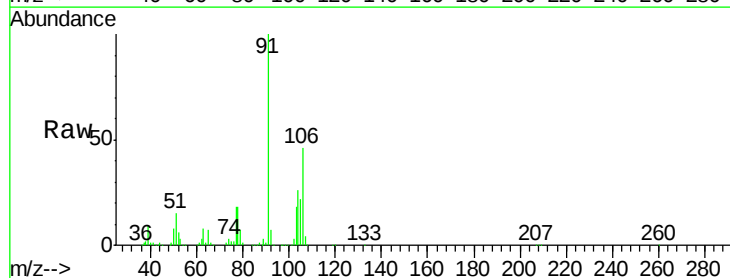
Acq: 13 Jul 2018 14:23

Tgt Ion:106 Resp: 227987

Ion Ratio Lower Upper

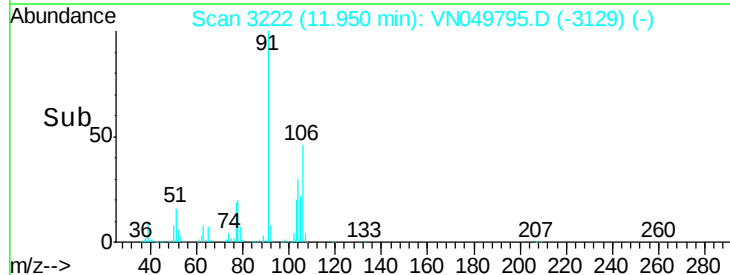
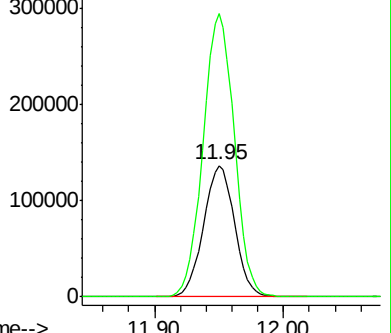
106 100

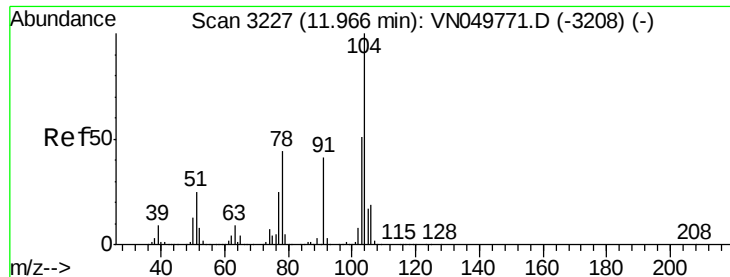
91 216.9 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 9.82 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

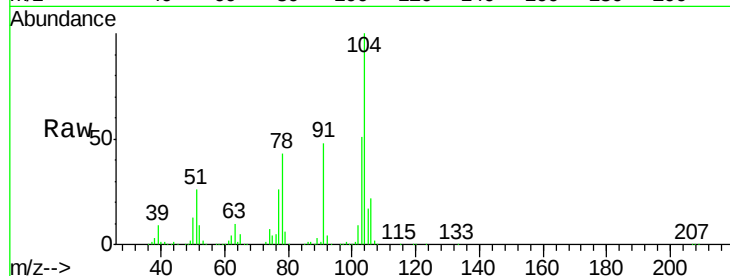
Tot Ion:104 Resp: 359483

Ion Ratio Lower Upper

104 100

78 49.2 39.2 58.8

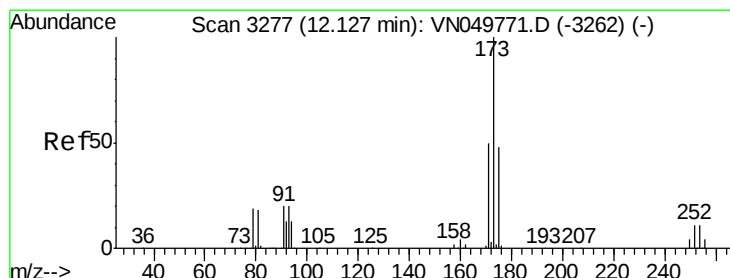
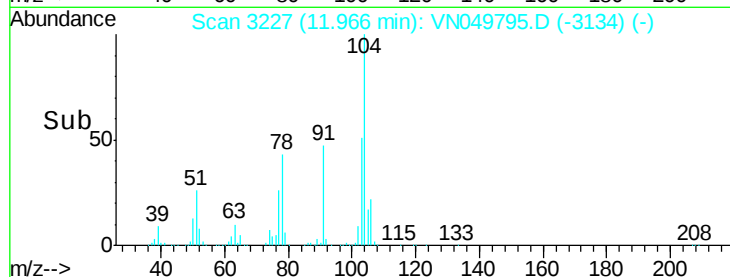
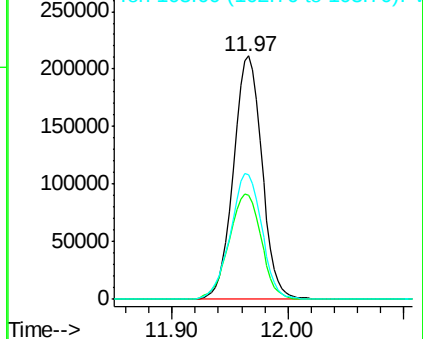
103 57.1 44.6 67.0



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: 9.99 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

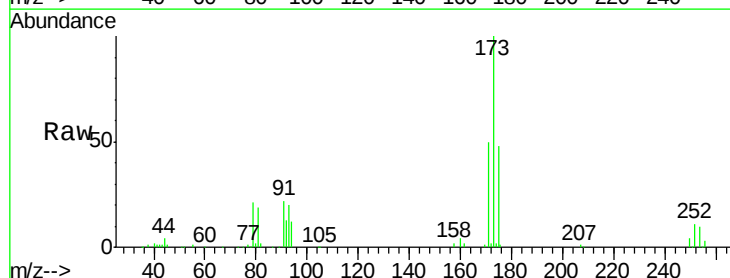
Tgt Ion:173 Resp: 98523

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

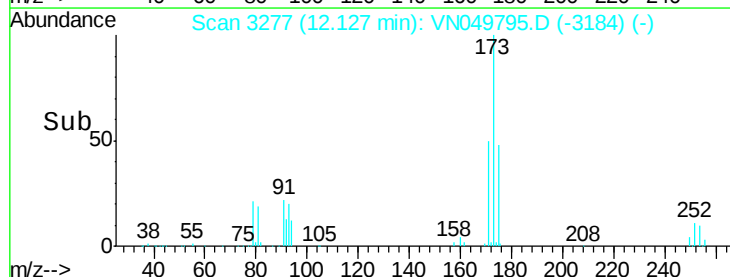
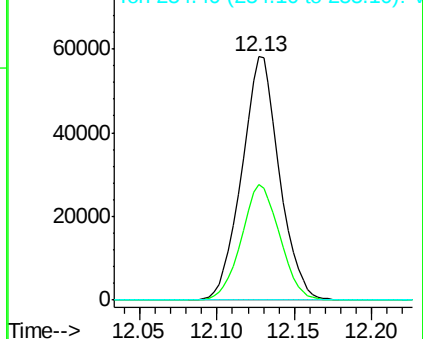
254 0.1 0.2 0.2#

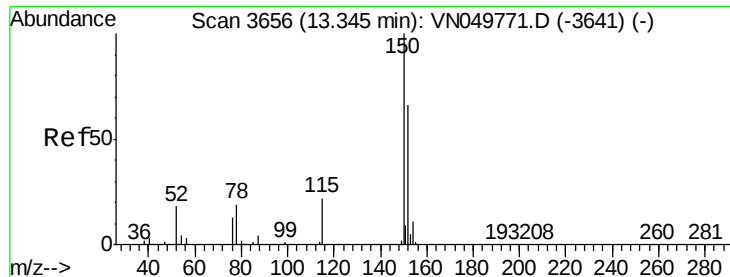


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

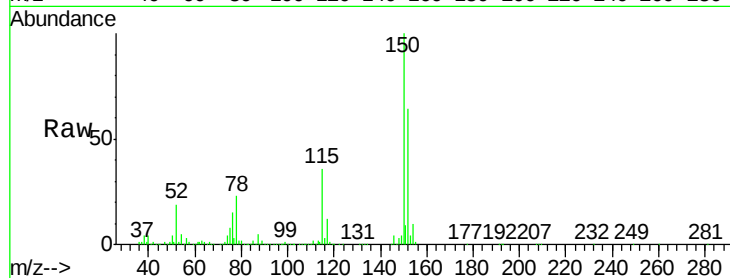
Tot Ion:152 Resp: 724402

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

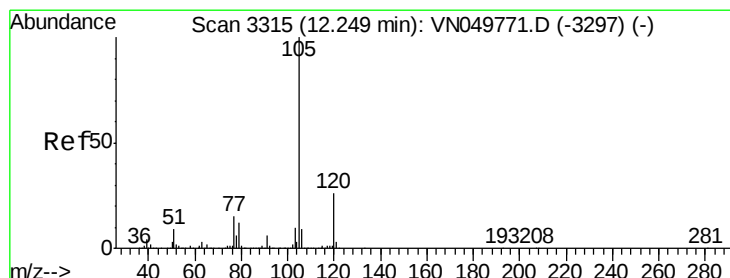
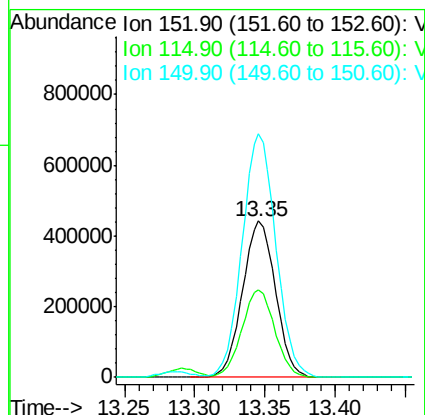
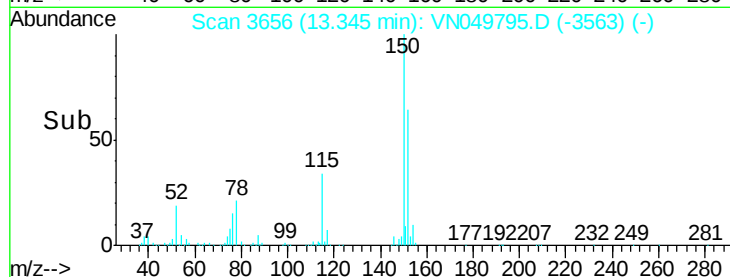
150 159.6 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 10.05 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049795.D

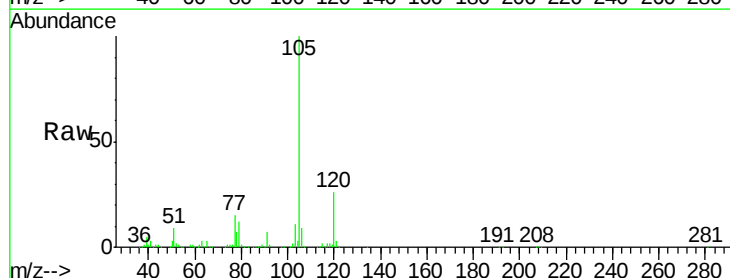
Acq: 13 Jul 2018 14:23

Tgt Ion:105 Resp: 604970

Ion Ratio Lower Upper

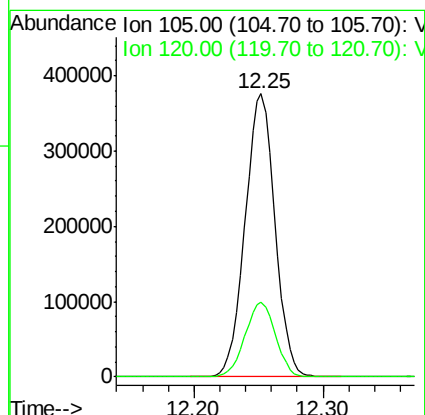
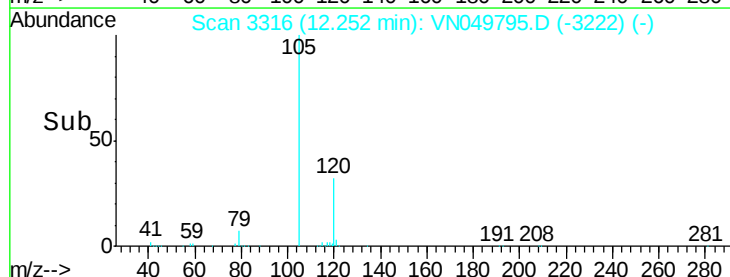
105 100

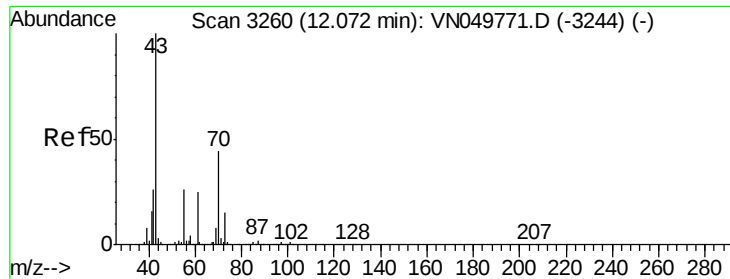
120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 9.73 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 152428

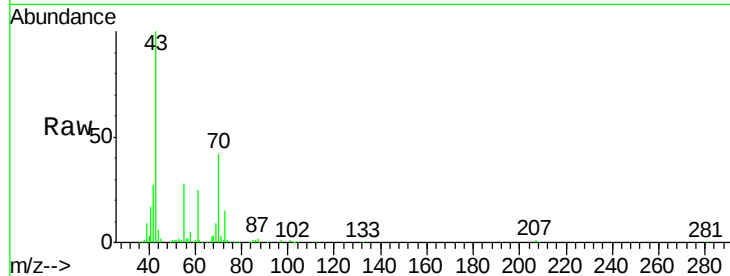
Ion Ratio Lower Upper

43 100

70 41.2 34.8 52.2

55 27.9 20.9 31.3

61 23.2 19.9 29.9

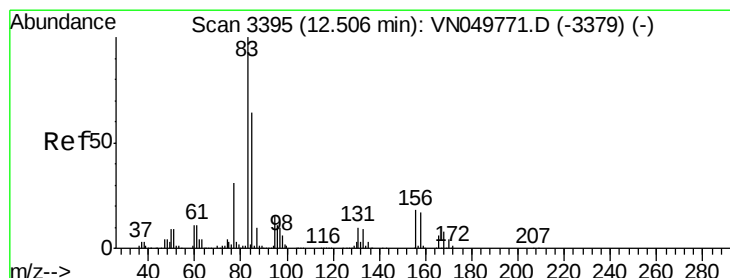
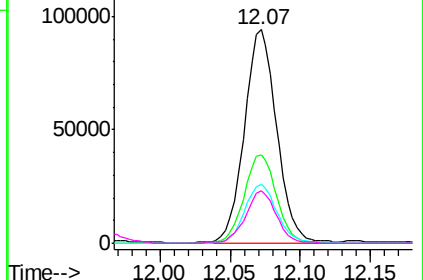
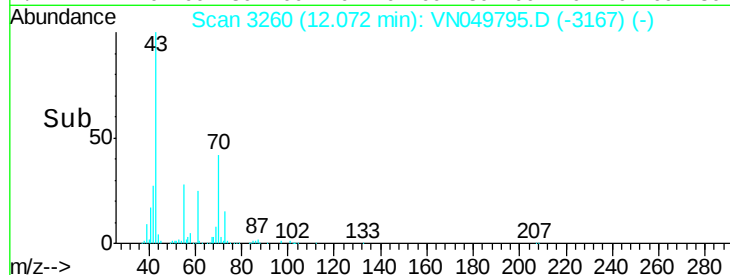


Abundance Ion 43.00 (42.70 to 43.70): VN049795.D (-3167) (-)

Ion 70.00 (69.70 to 70.70): VN049795.D (-3167) (-)

Ion 55.00 (54.70 to 55.70): VN049795.D (-3167) (-)

Ion 61.00 (60.70 to 61.70): VN049795.D (-3167) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 10.23 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

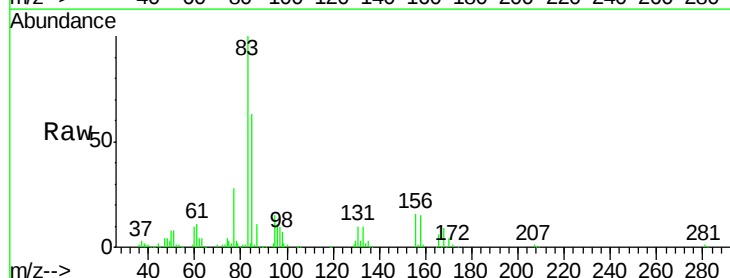
Tgt Ion: 83 Resp: 163562

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

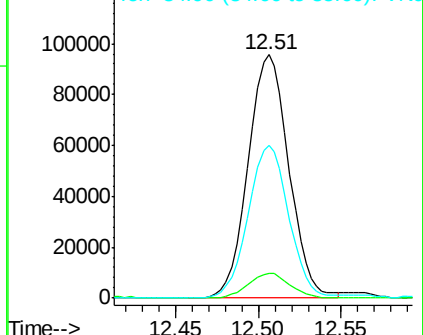
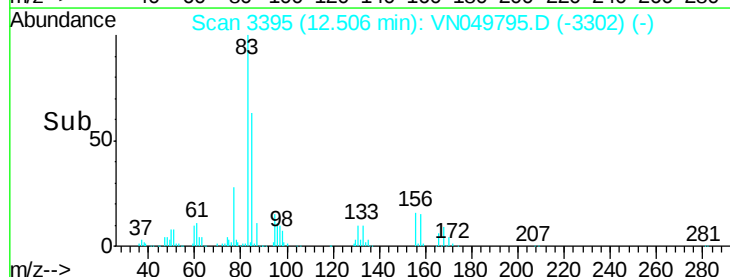
85 62.8 32.5 97.4

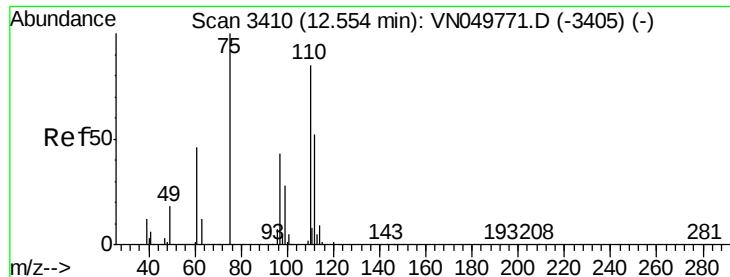


Abundance Ion 82.90 (82.60 to 83.60): VN049795.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049795.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049795.D (-3302) (-)





#76

1,2,3-Trichloropropane

Concen: 14.38 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

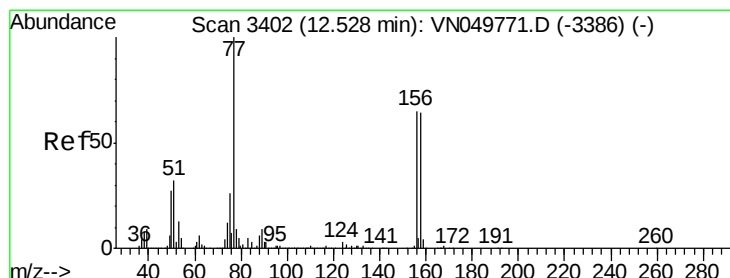
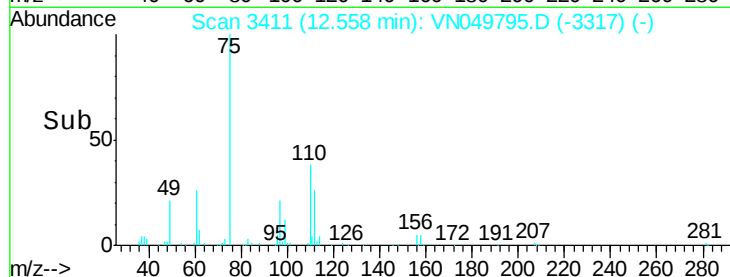
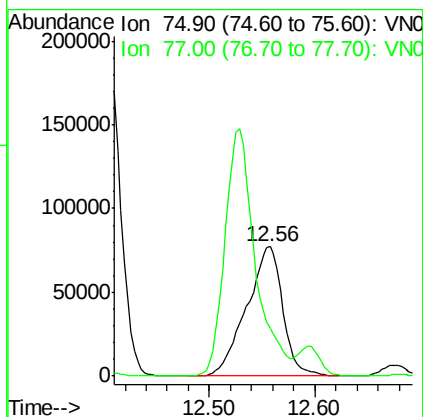
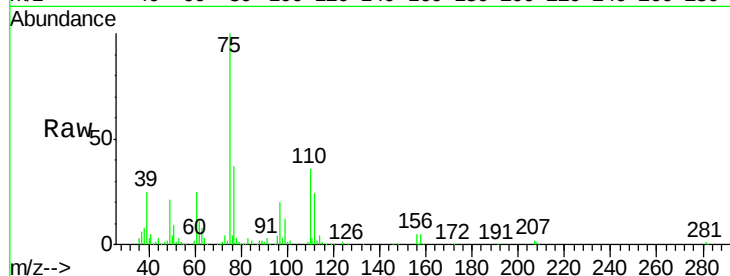
LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 185030

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 10.09 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

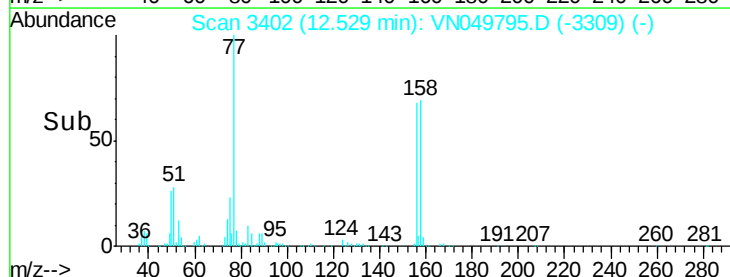
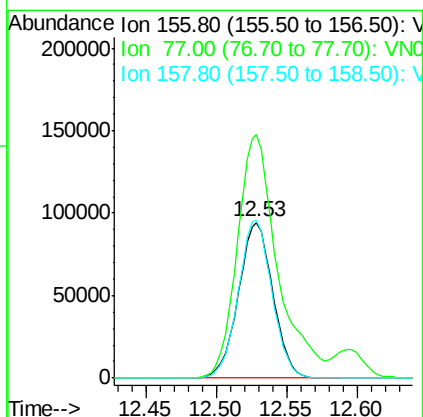
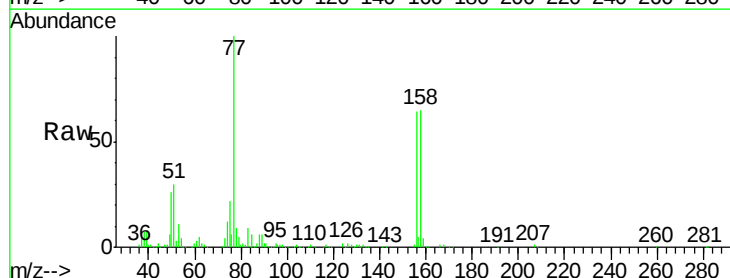
Tgt Ion: 156 Resp: 161169

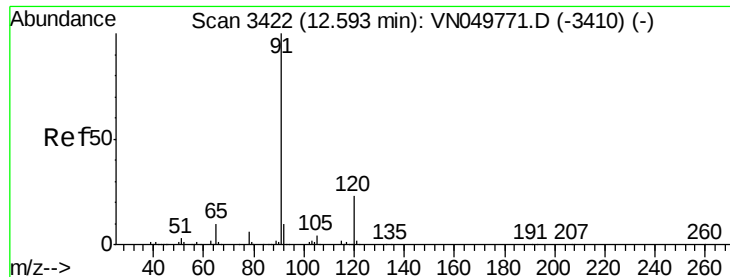
Ion Ratio Lower Upper

156 100

77 183.1 90.2 270.6

158 99.4 49.1 147.3





#78

n-propylbenzene

Concen: 10.12 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

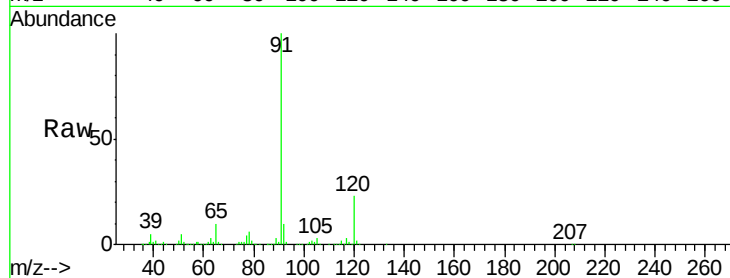
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 687094

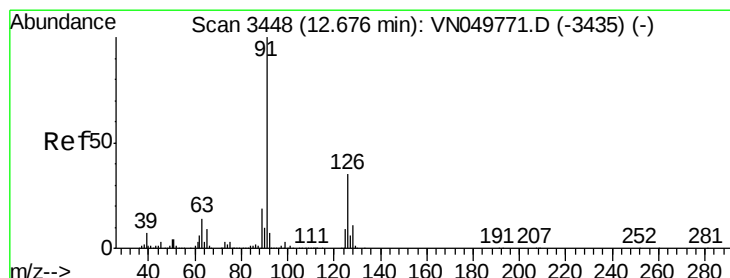
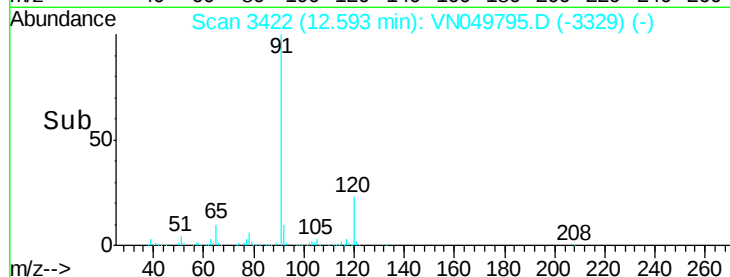
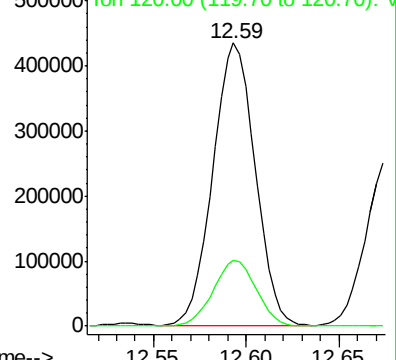
Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN049795.D (-3329) (-)



#79

2-Chlorotoluene

Concen: 10.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049795.D

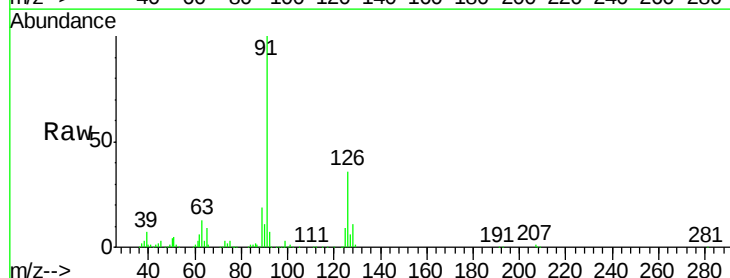
Acq: 13 Jul 2018 14:23

Tgt Ion: 91 Resp: 428690

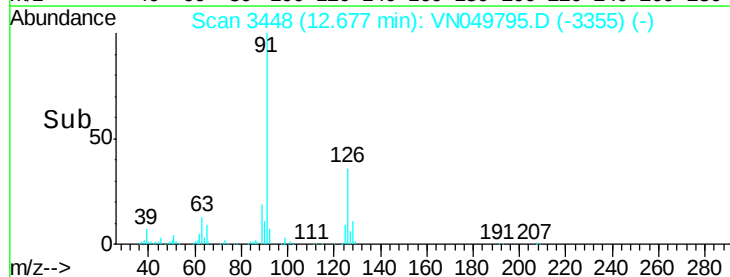
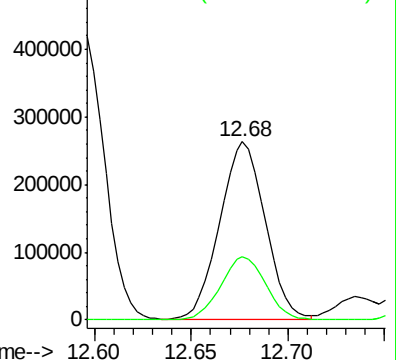
Ion Ratio Lower Upper

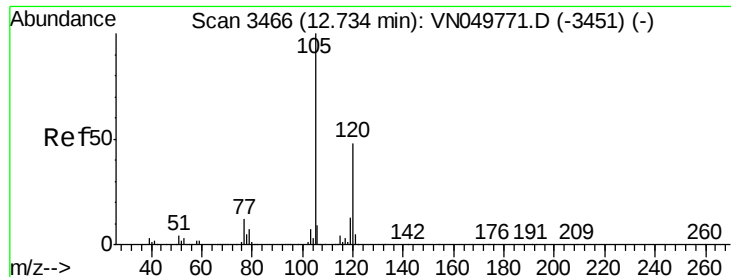
91 100

126 35.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049795.D (-3355) (-)

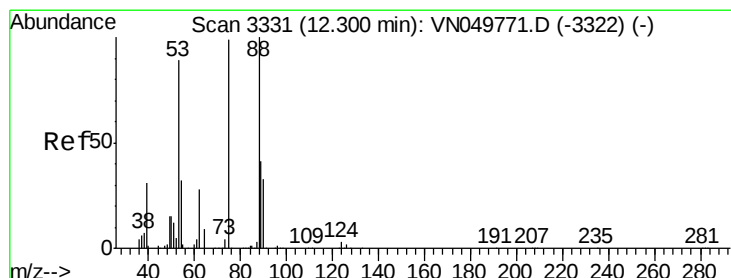
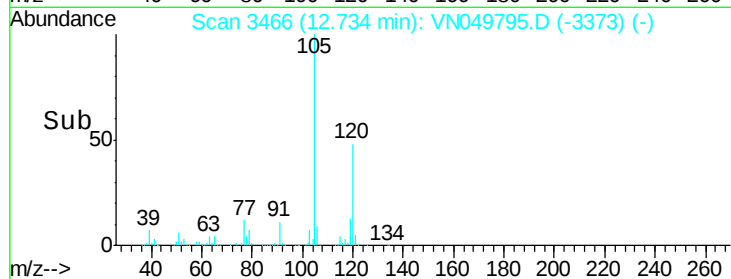
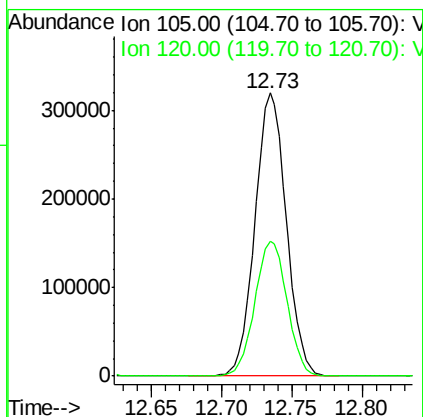
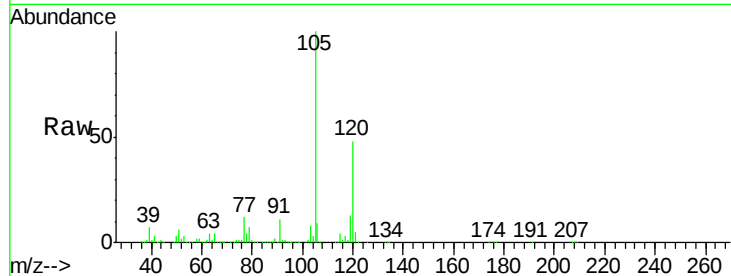




#80
 1,3,5-Trimethylbenzene
 Concen: 10.37 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

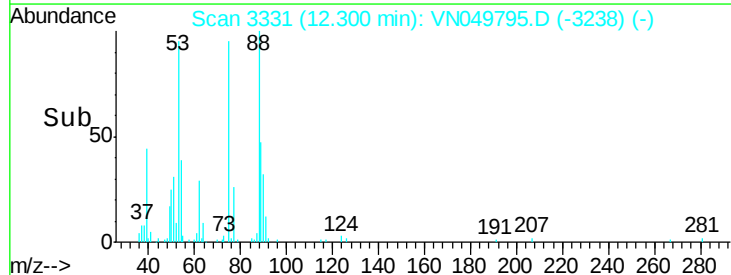
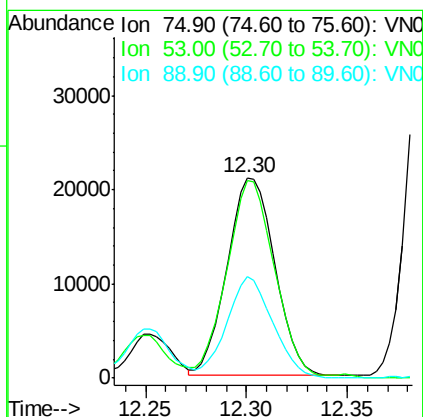
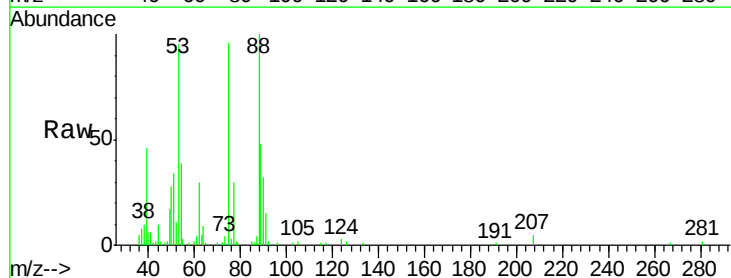
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

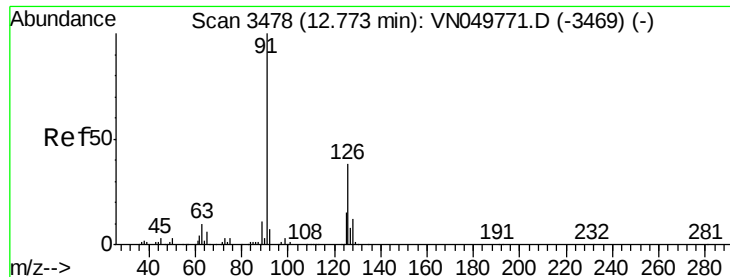
Tot Ion:105 Resp: 496236
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.71 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

Tgt Ion: 75 Resp: 34712
 Ion Ratio Lower Upper
 75 100
 53 98.4 73.9 110.9
 89 49.8 35.9 53.9





#82

4-Chlorotoluene

Concen: 10.08 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

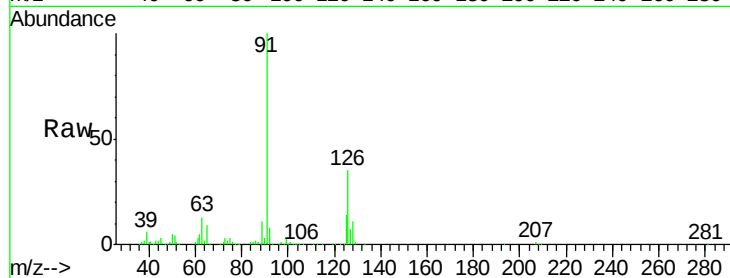
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 415167

Ion Ratio Lower Upper

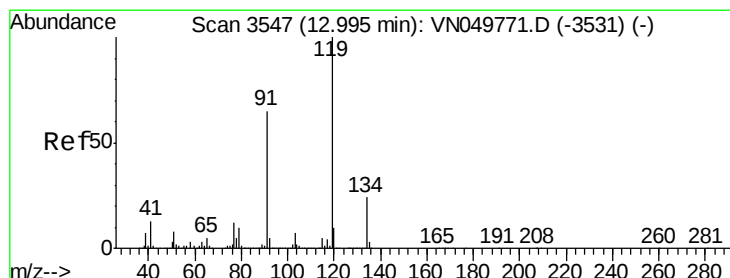
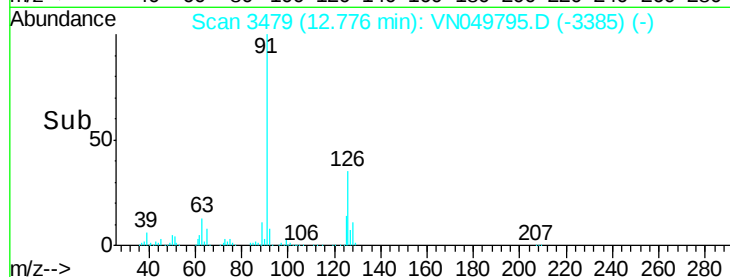
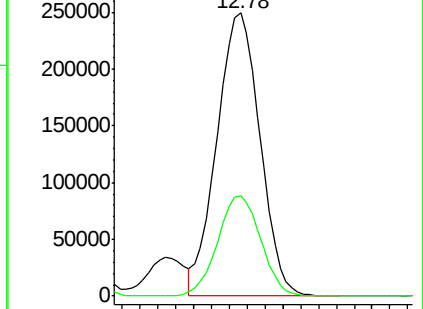
91 100

126 35.6 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: 10.12 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

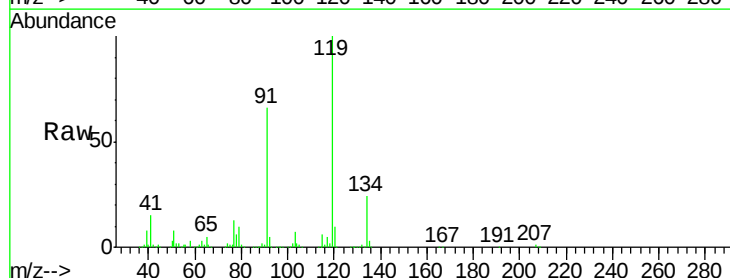
Tgt Ion: 119 Resp: 433151

Ion Ratio Lower Upper

119 100

91 63.6 32.0 96.2

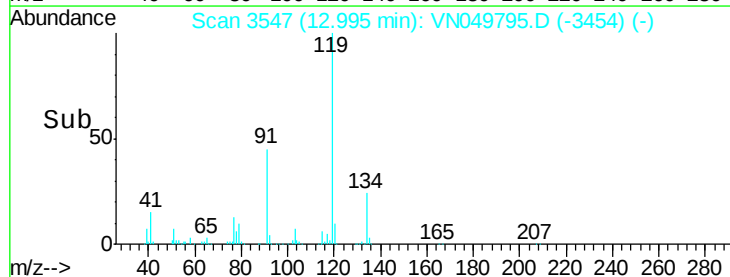
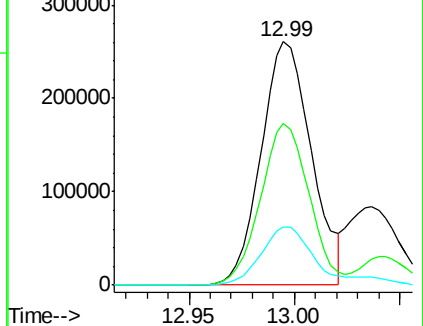
134 24.5 12.8 38.4

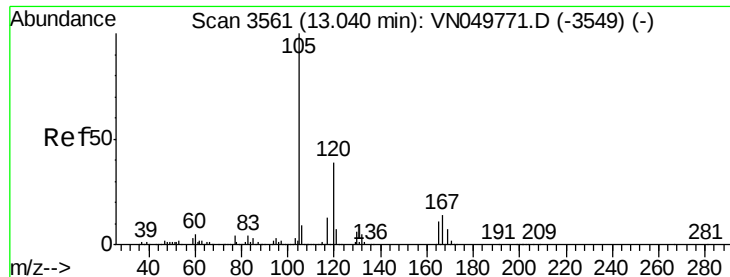


Abundance Ion 119.00 (118.70 to 119.70): VN049771.D (-3531) (-)

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: 10.32 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

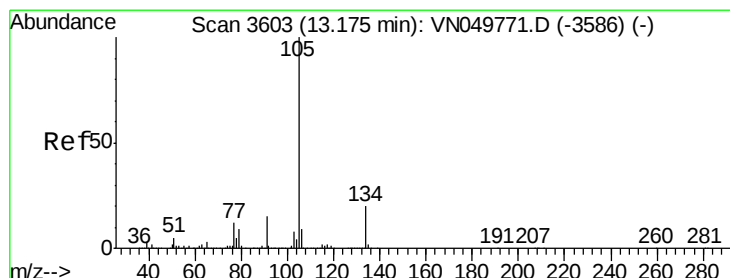
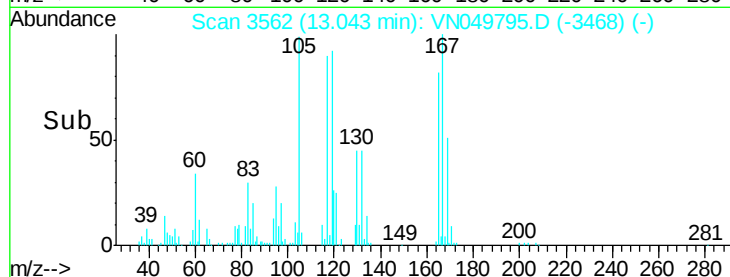
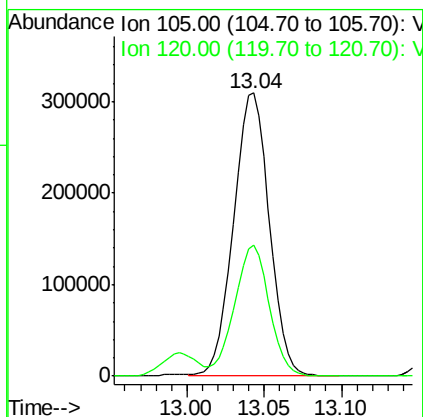
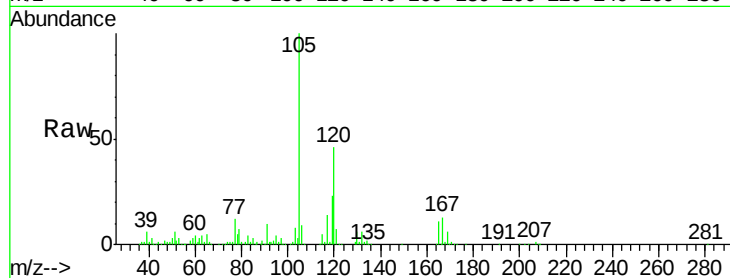
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 495154

Ion Ratio Lower Upper

105 100

120 44.9 22.7 68.1



#85

sec-Butylbenzene

Concen: 10.32 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049795.D

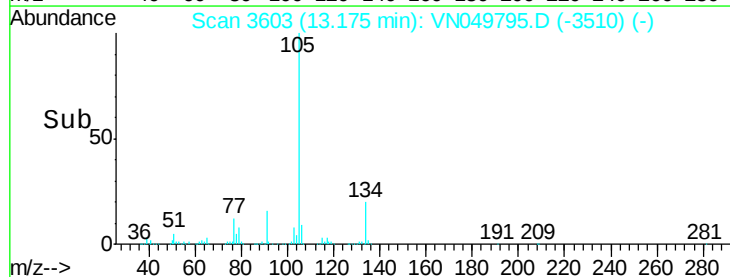
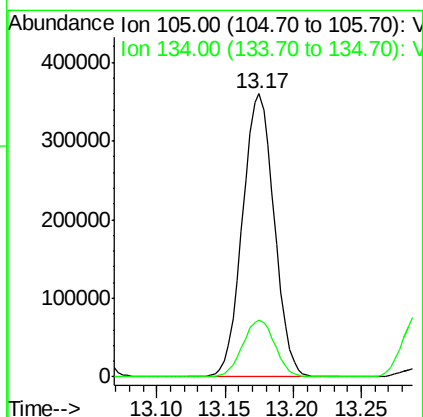
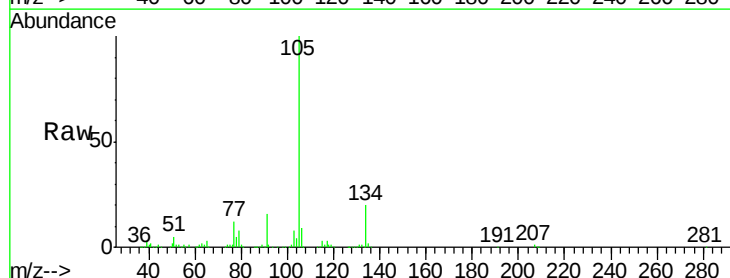
Acq: 13 Jul 2018 14:23

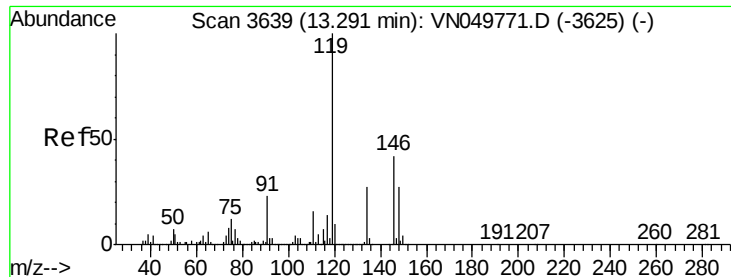
Tgt Ion:105 Resp: 579241

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1





#86

p-Isopropyltoluene

Concen: 10.21 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

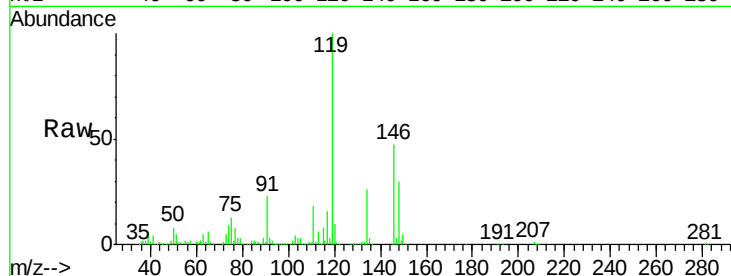
Tot Ion:119 Resp: 484771

Ion Ratio Lower Upper

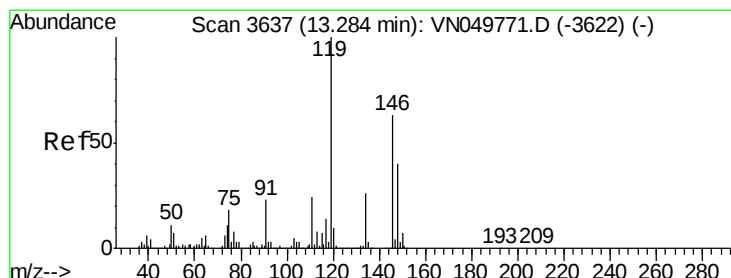
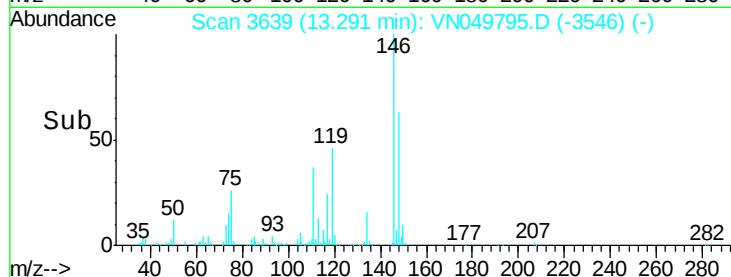
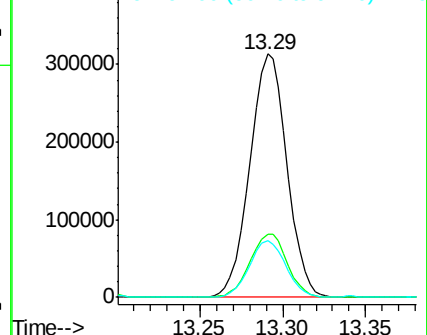
119 100

134 26.0 13.3 39.9

91 23.0 11.4 34.1



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



#87

1,3-Dichlorobenzene

Concen: 10.08 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

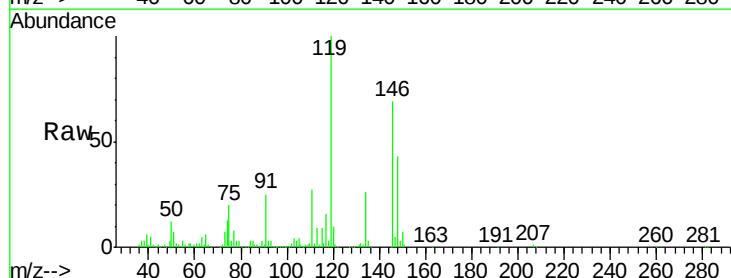
Tgt Ion:146 Resp: 279095

Ion Ratio Lower Upper

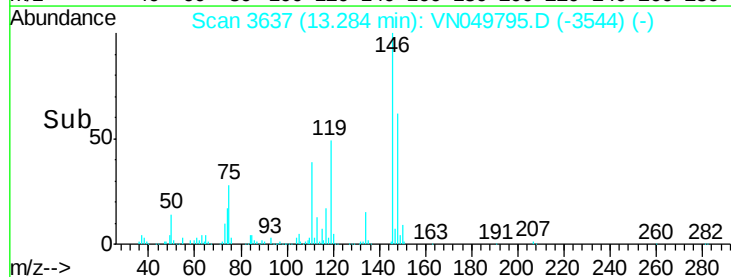
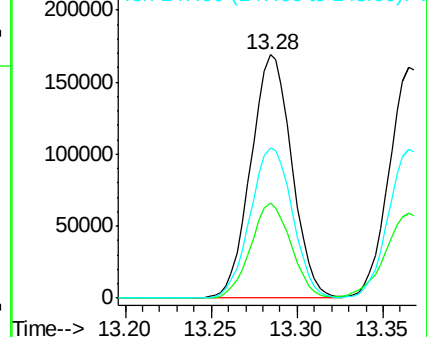
146 100

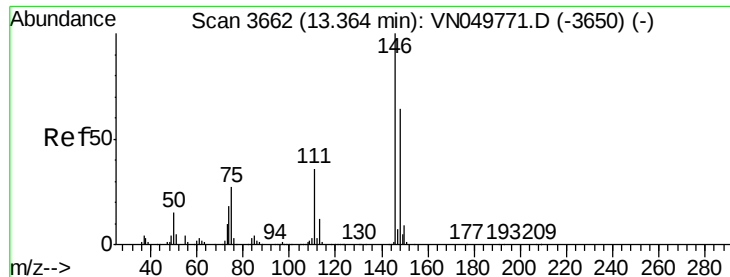
111 38.5 19.0 57.0

148 63.8 32.5 97.5



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





#88

1,4-Dichlorobenzene

Concen: 9.91 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

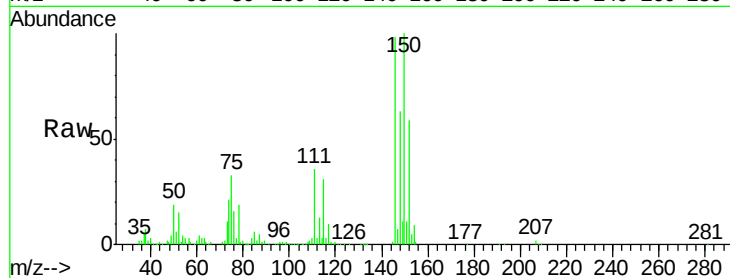
Tot Ion:146 Resp: 266895

Ion Ratio Lower Upper

146 100

111 39.5 18.9 56.5

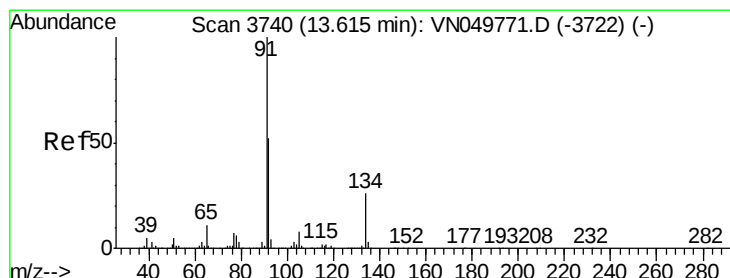
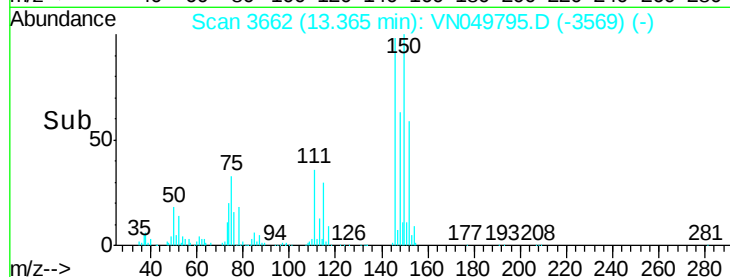
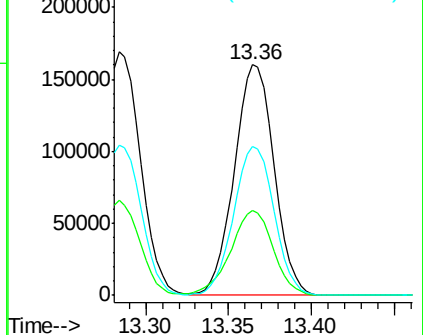
148 65.7 32.1 96.3



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: 9.48 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

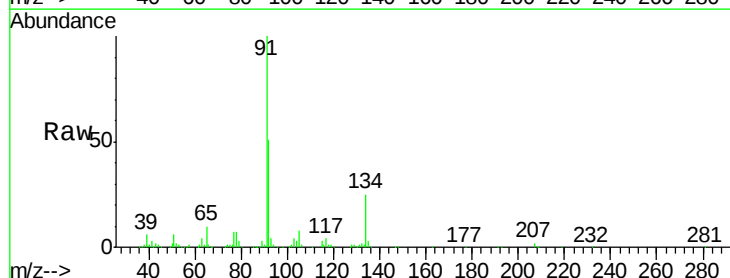
Tgt Ion: 91 Resp: 371459

Ion Ratio Lower Upper

91 100

92 50.1 25.8 77.3

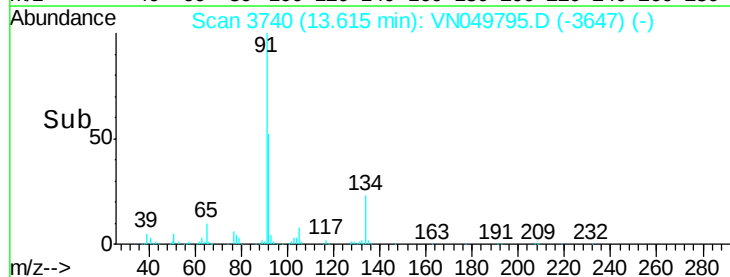
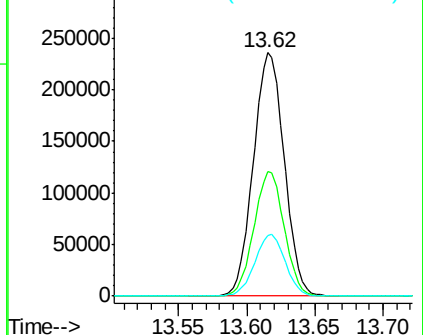
134 25.0 13.0 38.9

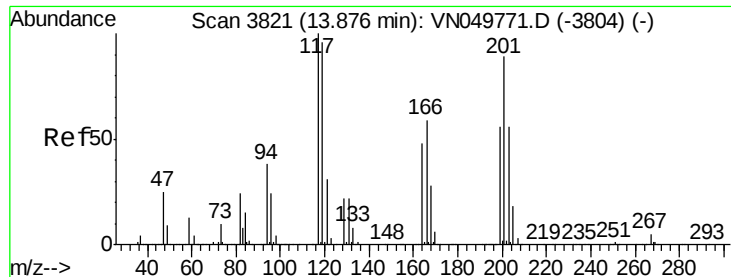


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 10.08 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

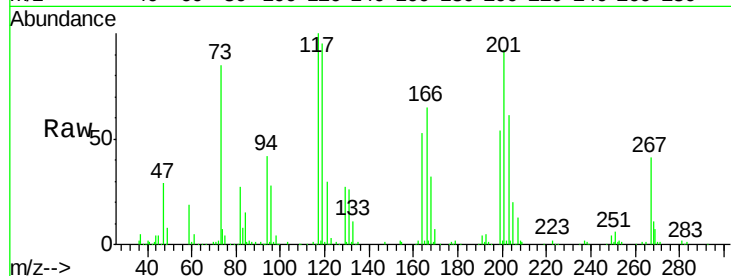
LOQ-WATER-02-QT3-2018

Tot Ion:117 Resp: 98762

Ion Ratio Lower Upper

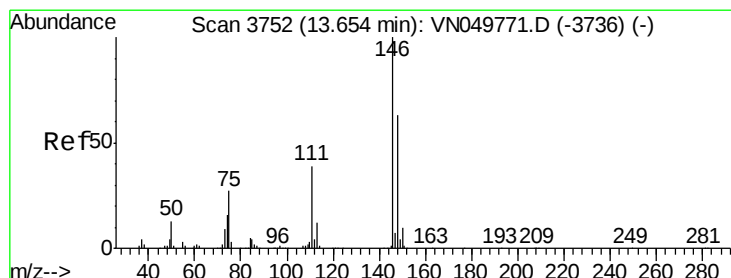
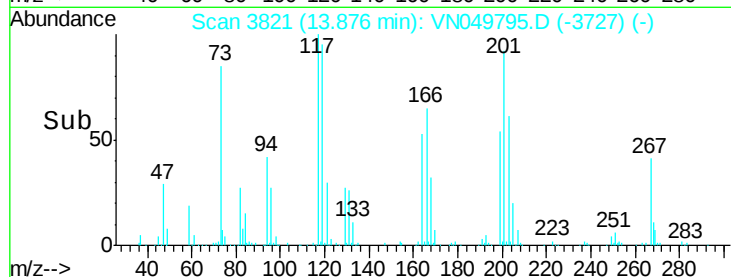
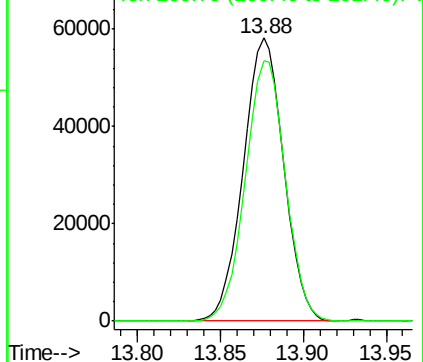
117 100

201 91.0 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 10.00 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

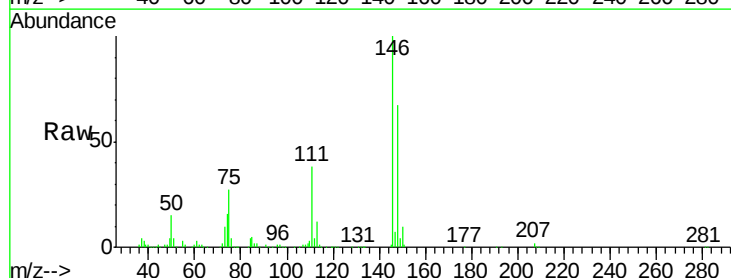
Tgt Ion:146 Resp: 270142

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.1

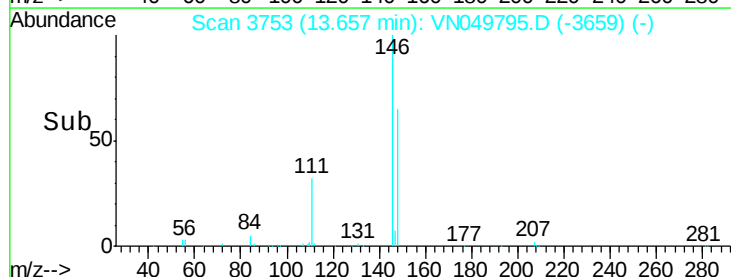
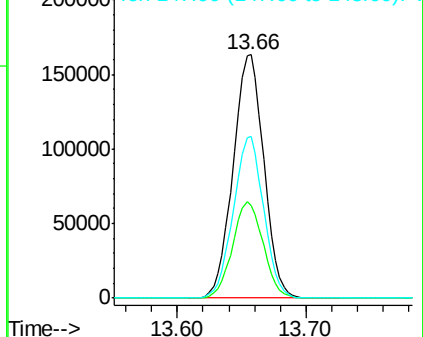
148 65.4 32.0 96.2

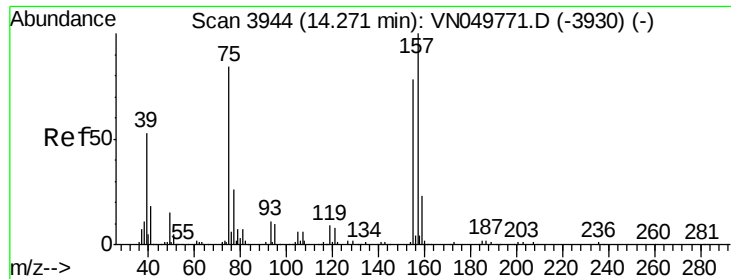


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.02 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2018

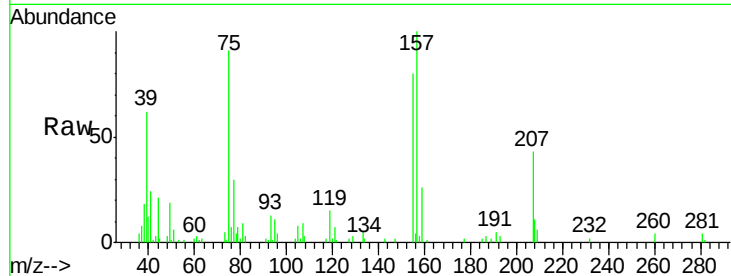
Tot Ion: 75 Resp: 22143

Ion Ratio Lower Upper

75 100

155 89.4 45.7 137.1

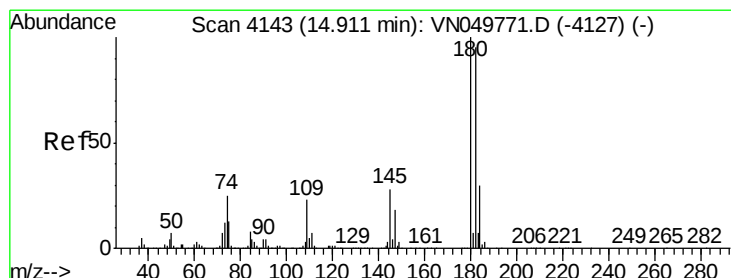
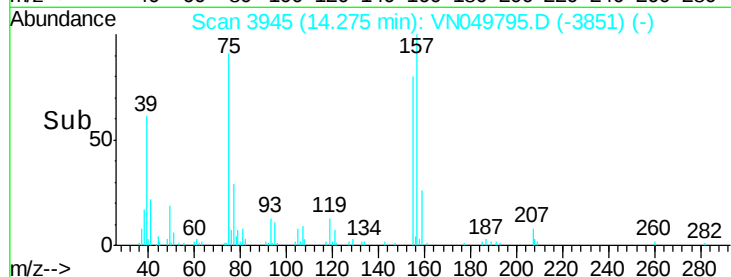
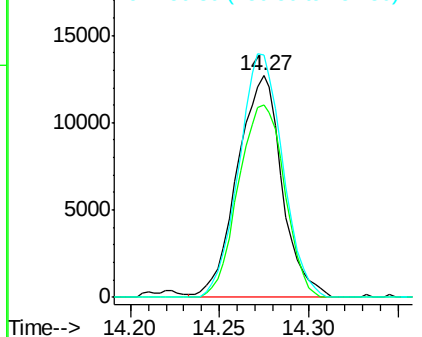
157 107.4 56.9 170.7



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 9.52 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049795.D

Acq: 13 Jul 2018 14:23

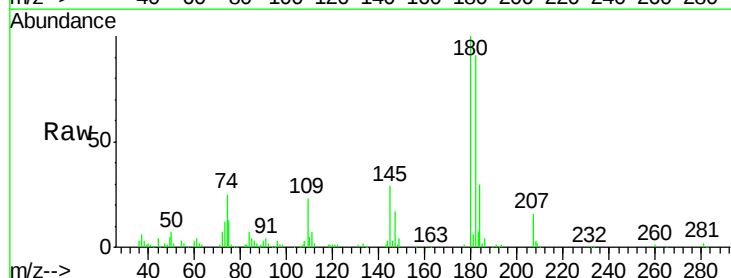
Tgt Ion: 180 Resp: 104437

Ion Ratio Lower Upper

180 100

182 93.5 47.3 141.9

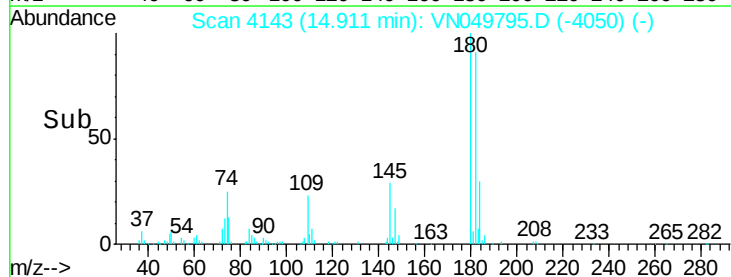
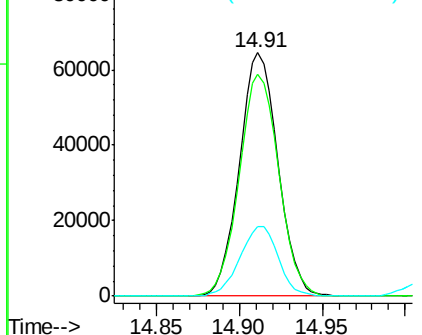
145 28.4 14.4 43.0

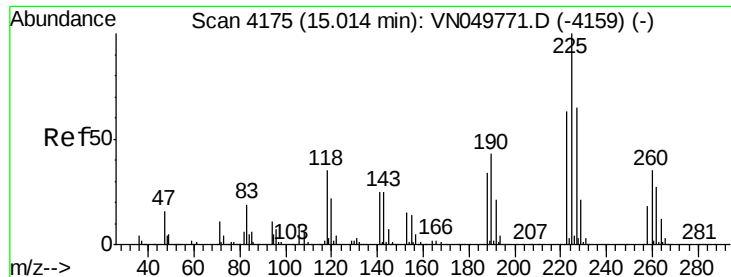


Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

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

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

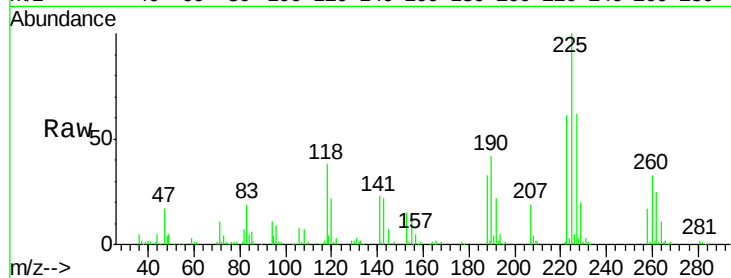




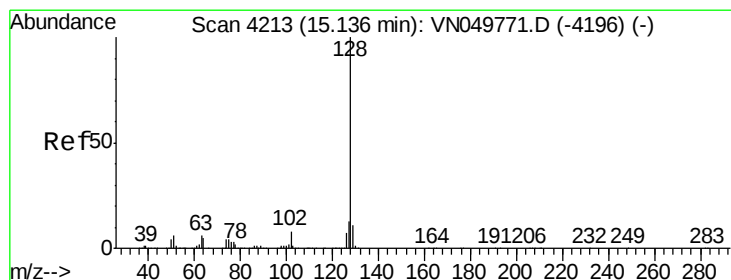
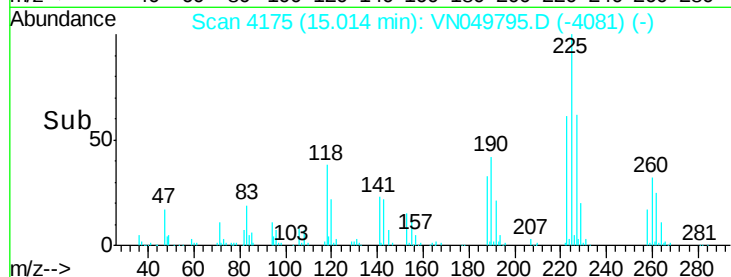
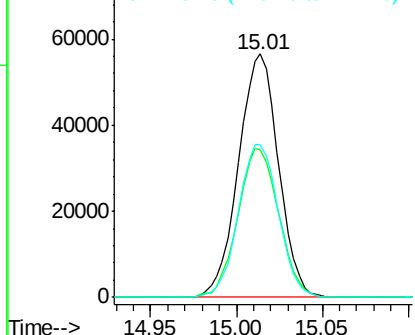
#94
Hexachlorobutadiene
Concen: 10.18 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.9	92.7
227	63.1	31.8	95.4

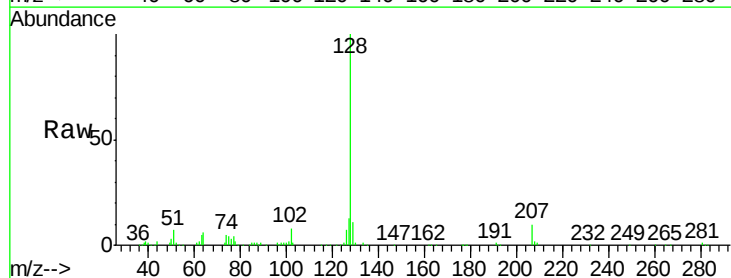


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

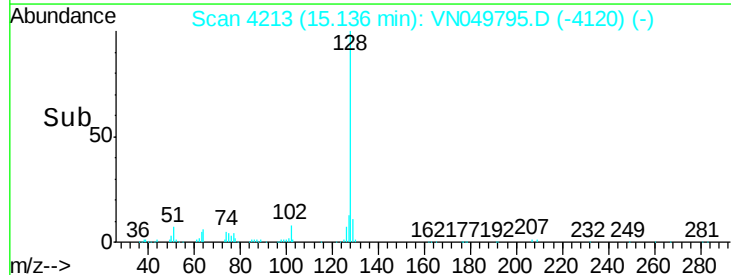
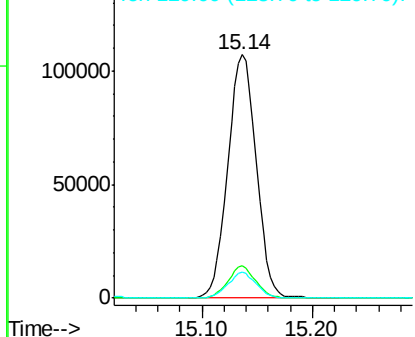


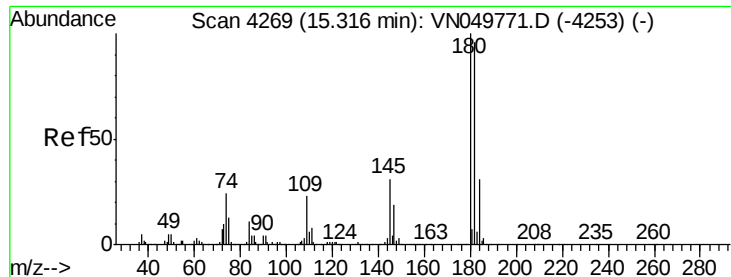
#95
Naphthalene
Concen: 9.54 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049795.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.4	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: 8.50 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049795.D
 Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	29.7	15.2	45.6

