

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054025.D
 Acq On : 1 Mar 2019 13:17
 Operator : JC/SP
 Sample : K1560-08 LOO 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Quant Time: Mar 02 00:24:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114850	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	618380	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	525941	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	246053	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.40	95	230372	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	769417	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66452	10.233	ug/l 96
3) Chloromethane	2.06	50	92022	10.653	ug/l 100
4) Vinyl Chloride	2.19	62	88084	10.183	ug/l 99
5) Bromomethane	2.57	94	57353	10.779	ug/l 96
6) Chloroethane	2.71	64	52731	10.354	ug/l 100
7) Trichlorofluoromethane	3.02	101	110103	10.477	ug/l 98
8) Diethyl Ether	3.41	74	39008	9.869	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68895	10.197	ug/l 99
10) 1,1-Dichloroethene	3.74	96	65729	10.383	ug/l 97
11) Methyl Iodide	3.95	142	84930	9.044	ug/l 97
12) Methyl Acetate	4.32	43	55207	10.343	ug/l 97
13) Acrolein	3.60	56	30733	70.705	ug/l 98
14) Acrylonitrile	4.99	53	131349	51.209	ug/l 99
15) Acetone	3.82	58	37402	50.599	ug/l 94
16) Carbon Disulfide	4.05	76	204864	9.974	ug/l 98
17) Allyl chloride	4.33	41	109663	9.795	ug/l 99
18) Methylene Chloride	4.55	84	76286	10.436	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	70490	10.264	ug/l 93
20) Diisopropyl ether	5.95	45	223744	9.990	ug/l 95
21) 1,1-Dichloroethane	5.85	63	137211	10.374	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	77830	10.180	ug/l 97
23) tert-Butyl Alcohol	4.78	59	24065	52.382	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	172518	10.066	ug/l # 81
25) Chloroform	7.37	83	131588	10.311	ug/l 99
26) Cyclohexane	7.65	56	118517	9.846	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	98982	10.219	ug/l 98
30) 2-Butanone	6.84	43	148117	48.431	ug/l 99
31) 2,2-Dichloropropane	6.82	77	93108	9.748	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	108219	10.387	ug/l 98
33) Carbon Tetrachloride	7.77	117	92359	10.012	ug/l 100
34) Benzene	8.04	78	294986	10.247	ug/l # 87
35) Methacrylonitrile	7.17	41	26554	7.765	ug/l 99
36) 1,2-Dichloroethane	8.12	62	97998	10.601	ug/l 99
37) Trichloroethene	8.84	130	75510	10.049	ug/l 98
38) Methylcyclohexane	9.08	83	109365	9.566	ug/l 97
39) 1,2-Dichloropropane	9.12	63	80494	10.207	ug/l 98
40) Dibromomethane	9.21	93	47902	10.596	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	97345	10.148	ug/l #	99
42) Vinyl Acetate	5.90	43	770019	48.736	ug/l	100
43) Ethyl Acetate	6.93	43	60131	9.387	ug/l #	69
44) Isopropyl Acetate	8.16	43	109788	9.767	ug/l #	79
45) 1,4-Dioxane	9.20	88	14053	228.959	ug/l	97
46) Methyl methacrylate	9.20	41	50219	9.301	ug/l	99
47) n-amyl Acetate	12.07	43	75177	9.105	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	89710	9.327	ug/l	94
49) cis-1,3-Dichloropropene	9.84	75	108858	9.639	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63796	10.060	ug/l	98
51) Ethyl methacrylate	10.43	69	67012	8.778	ug/l	97
52) 1,3-Dichloropropane	10.71	76	110485	10.151	ug/l	100
53) Dibromochloromethane	10.90	129	68295	9.801	ug/l	99
54) 1,2-Dibromoethane	11.00	107	59322	9.820	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	156624	44.210	ug/l	99
56) Bromoform	12.13	173	43413	9.383	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	287583	48.526	ug/l	97
59) 2-Hexanone	10.75	43	182438	47.117	ug/l	97
61) Tetrachloroethene	10.63	164	76029	10.398	ug/l	98
62) Toluene	10.16	91	305800	10.404	ug/l	100
64) Chlorobenzene	11.43	112	181920	10.164	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	69103	10.515	ug/l	96
66) Ethyl Benzene	11.51	91	306278	9.969	ug/l	100
67) m/p-Xylenes	11.62	106	230309	19.910	ug/l	100
68) o-Xylene	11.95	106	114534	10.214	ug/l	100
69) Styrene	11.96	104	170113	9.581	ug/l	99
70) Isopropylbenzene	12.25	105	297828	10.120	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	74121	10.204	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	86939	15.762	ug/l	44
73) Bromobenzene	12.53	156	72900	9.825	ug/l	99
74) n-propylbenzene	12.59	91	339538	9.688	ug/l	99
75) 2-Chlorotoluene	12.67	91	210170	10.241	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	250675	10.055	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	16666	8.491	ug/l	98
78) 4-Chlorotoluene	12.77	91	197530	9.619	ug/l	98
79) tert-butylbenzene	12.99	119	219806	10.062	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	241402	9.729	ug/l	100
81) sec-Butylbenzene	13.17	105	298527	9.964	ug/l	99
82) p-Isopropyltoluene	13.29	119	247173	9.662	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	121399	9.276	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	112787	9.026	ug/l	99
85) n-Butylbenzene	13.61	91	195893	8.786	ug/l	98
86) Hexachloroethane	13.87	117	46409	9.703	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	121985	9.610	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10479	9.971	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	46740	7.248	ug/l	96
90) Hexachlorobutadiene	15.01	225	45892	9.795	ug/l	100
91) Naphthalene	15.13	128	81386	11.620	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	47328	7.432	ug/l	99

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QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration

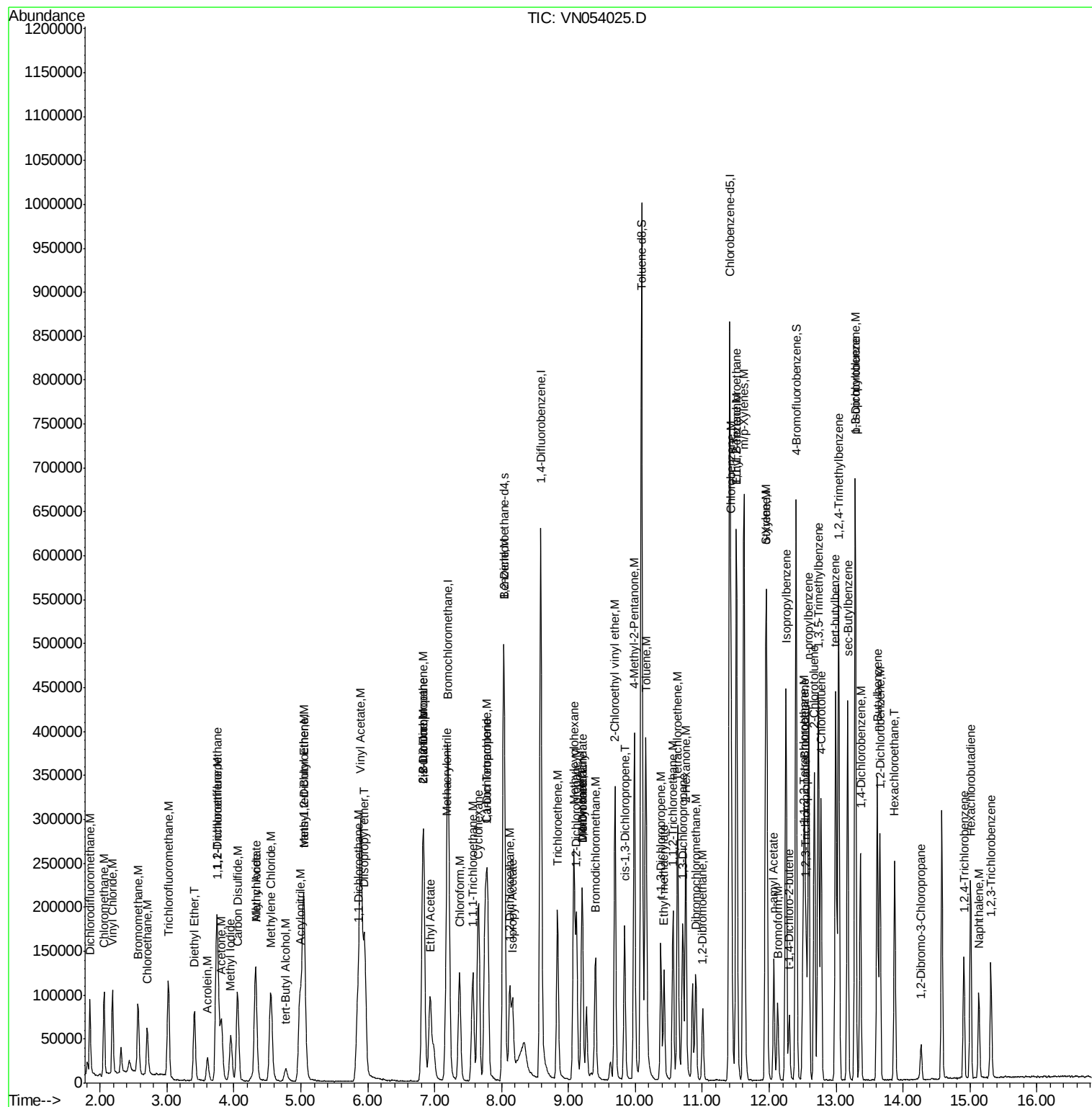
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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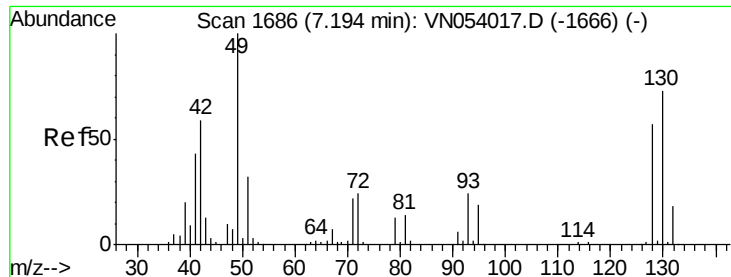
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

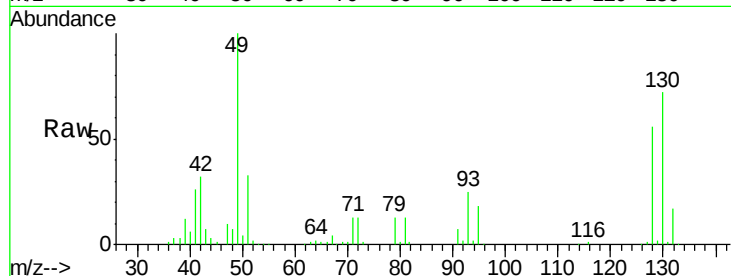
Tot Ion:128 Resp: 114850

Ion Ratio Lower Upper

128 100

49 177.4 0.0 431.8

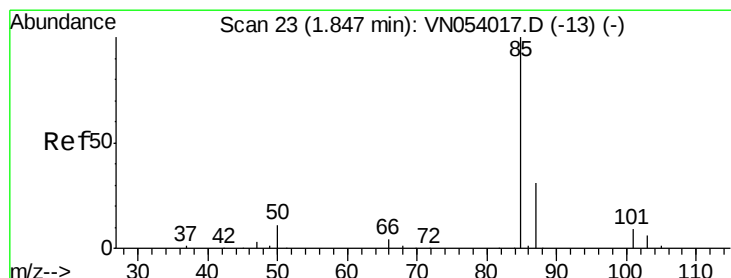
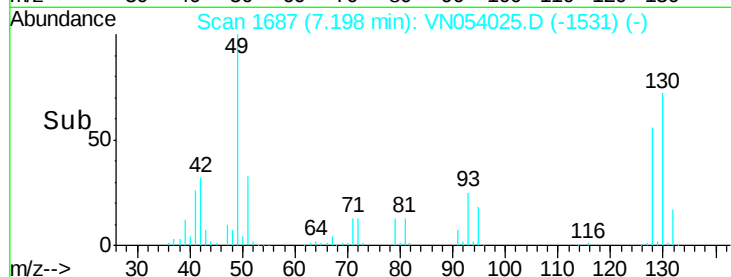
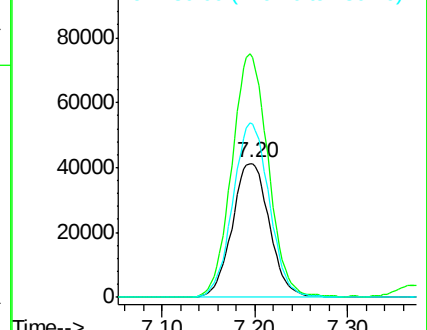
130 127.7 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.233 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN054025.D

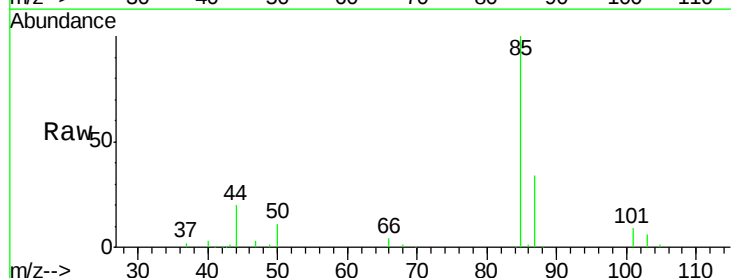
Acq: 1 Mar 2019 13:17

Tgt Ion: 85 Resp: 66452

Ion Ratio Lower Upper

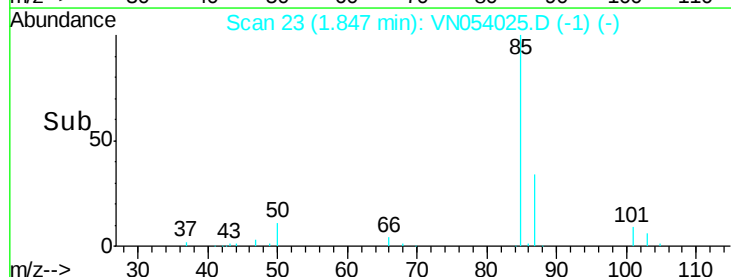
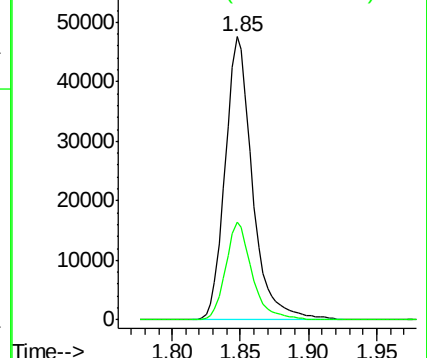
85 100

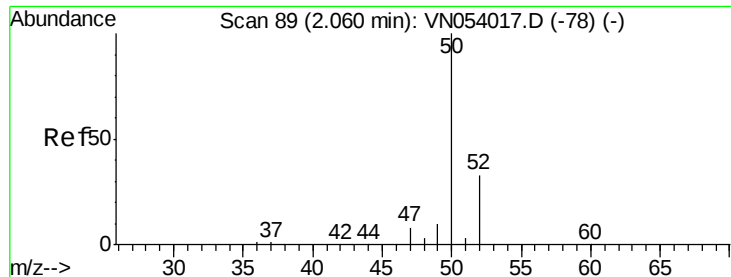
87 34.3 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 10.653 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

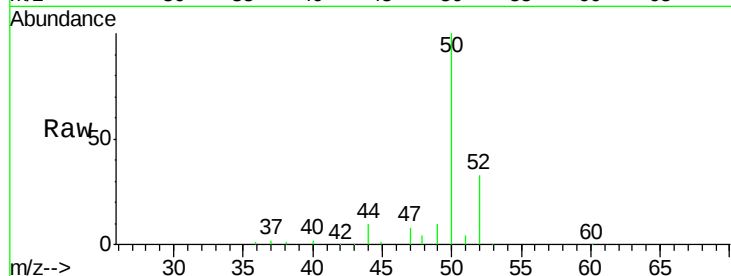
LOQ-WATER-02-QT1-2019

Tot Ion: 50 Resp: 92022

Ion Ratio Lower Upper

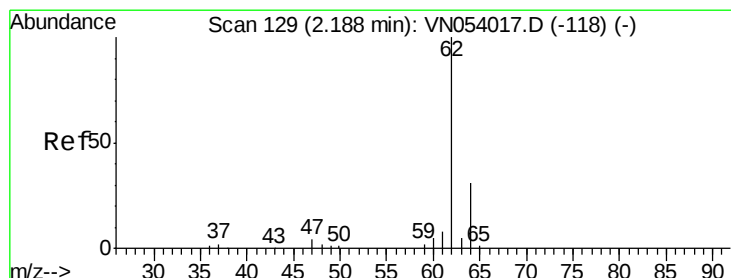
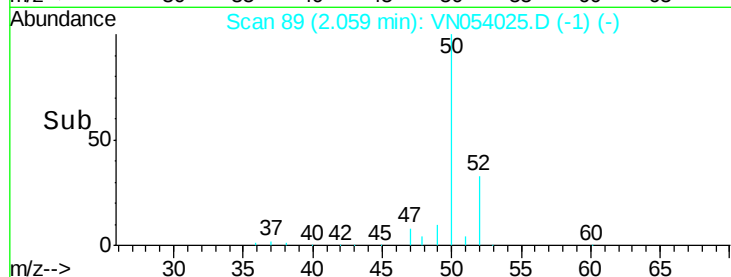
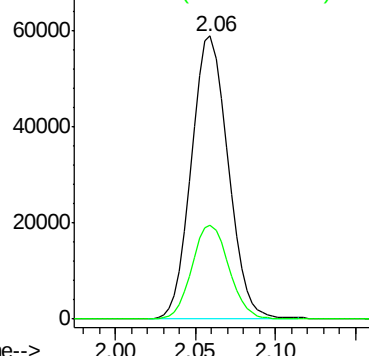
50 100

52 33.2 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 10.183 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054025.D

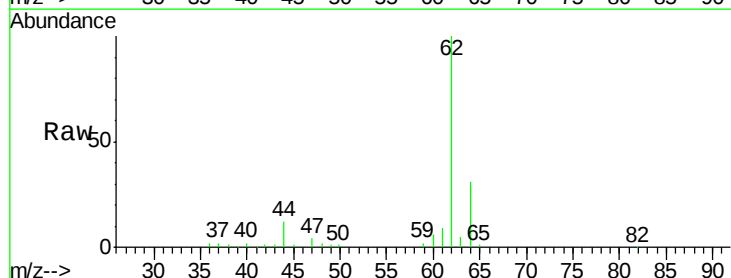
Acq: 1 Mar 2019 13:17

Tgt Ion: 62 Resp: 88084

Ion Ratio Lower Upper

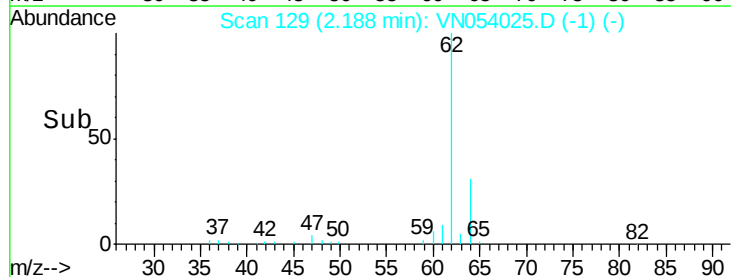
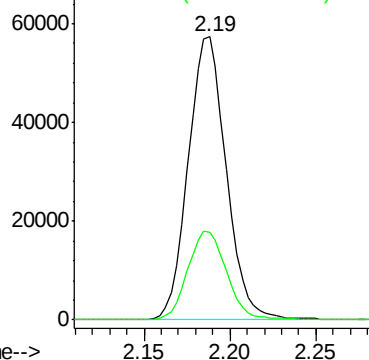
62 100

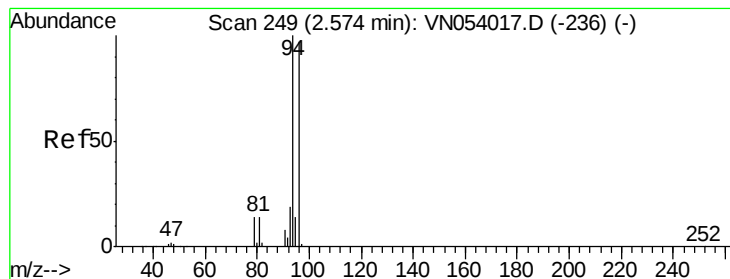
64 30.9 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 10.779 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

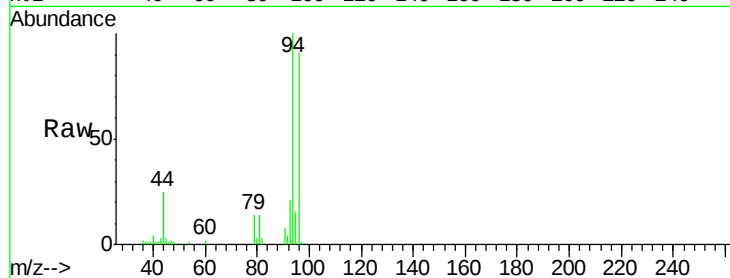
LOQ-WATER-02-QT1-2019

Tot Ion: 94 Resp: 57353

Ion Ratio Lower Upper

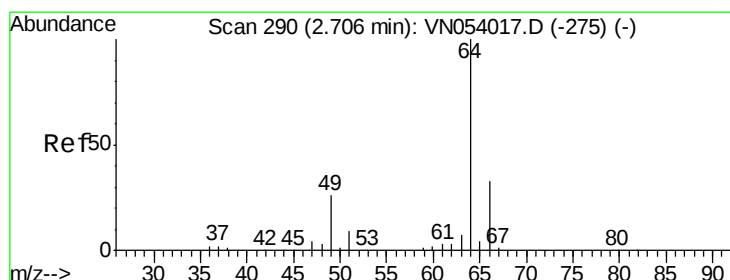
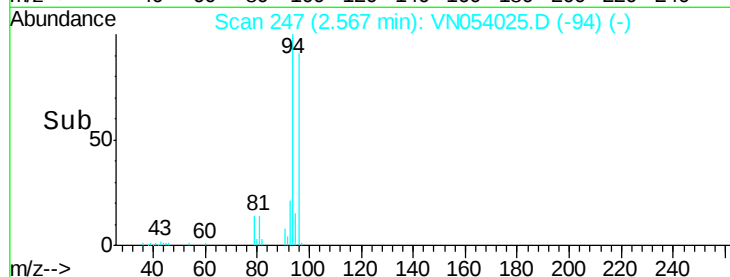
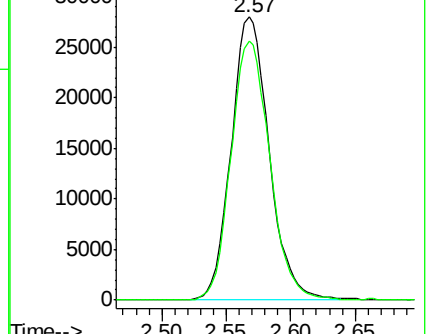
94 100

96 91.4 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 10.354 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054025.D

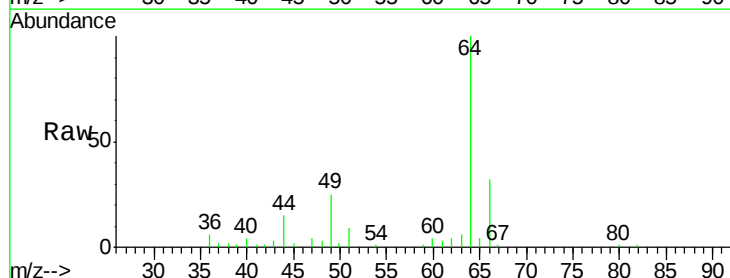
Acq: 1 Mar 2019 13:17

Tgt Ion: 64 Resp: 52731

Ion Ratio Lower Upper

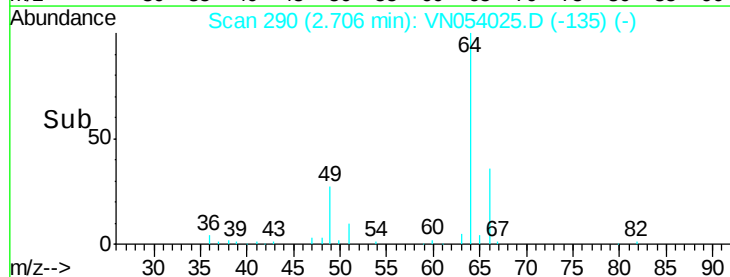
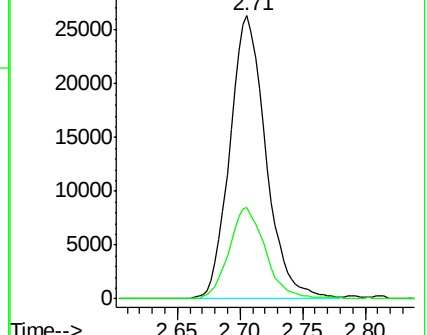
64 100

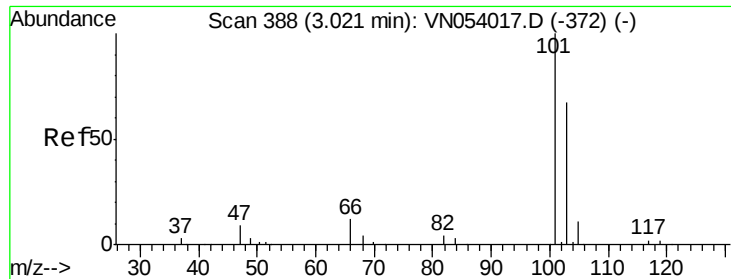
66 32.1 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



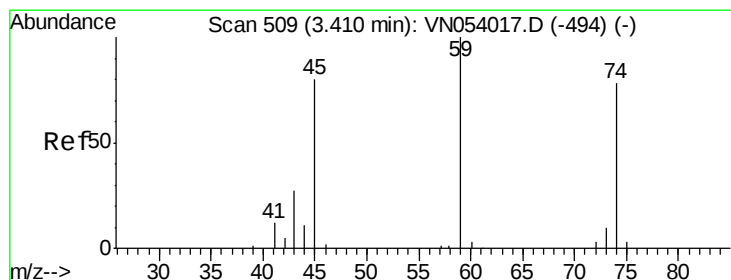
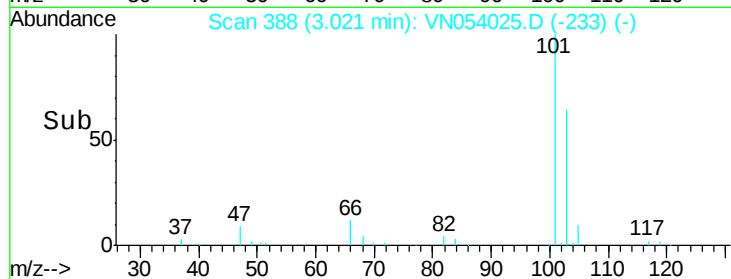
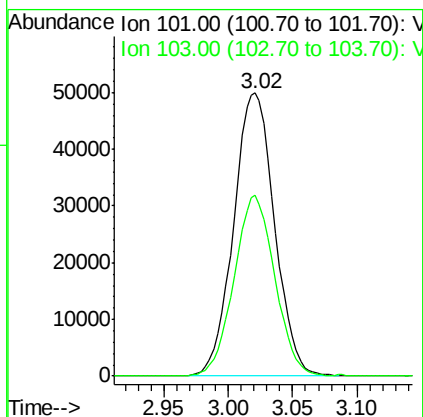
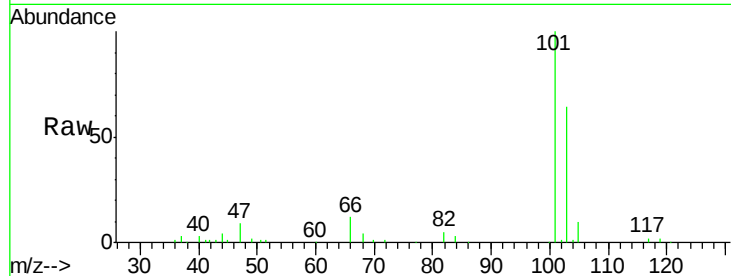


#7

Trichlorofluoromethane
 Concen: 10.477 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
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 LOQ-WATER-02-QT1-2019

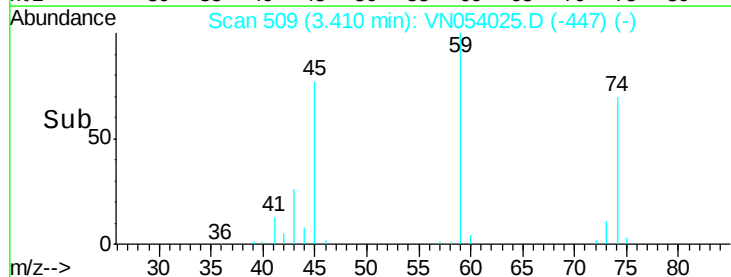
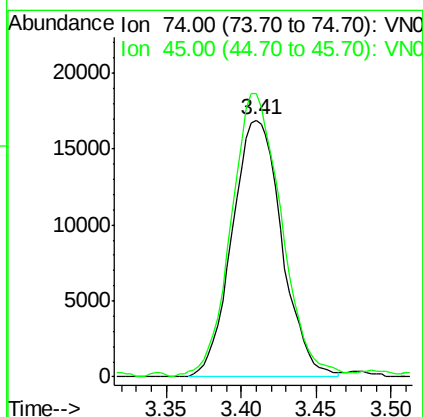
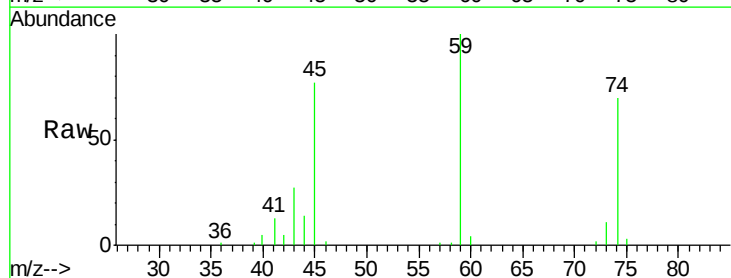
Tot Ion:101 Resp: 110103
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.1 78.1

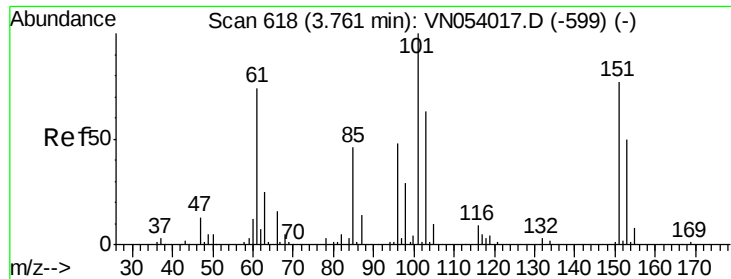


#8

Diethyl Ether
 Concen: 9.869 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 74 Resp: 39008
 Ion Ratio Lower Upper
 74 100
 45 112.2 20.6 185.8

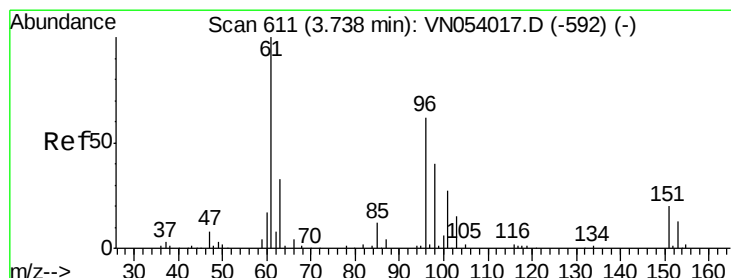
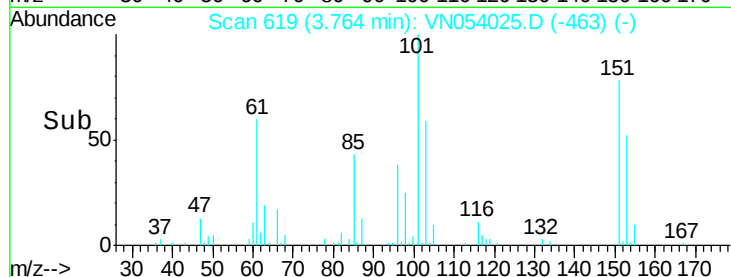
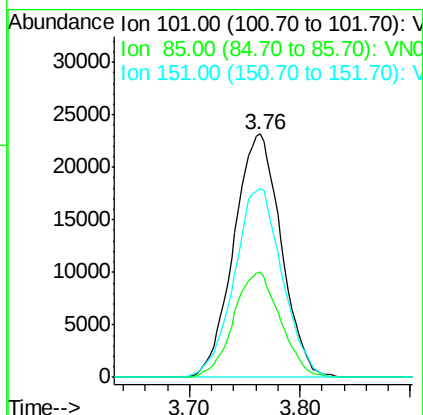
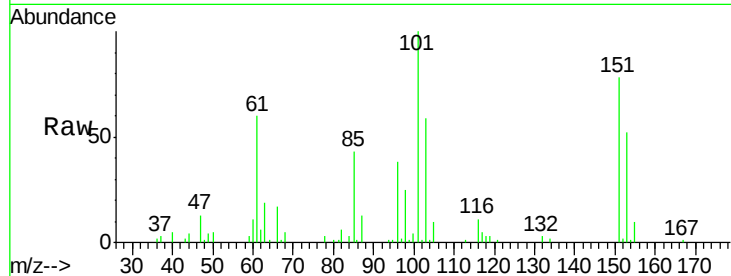




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.197 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

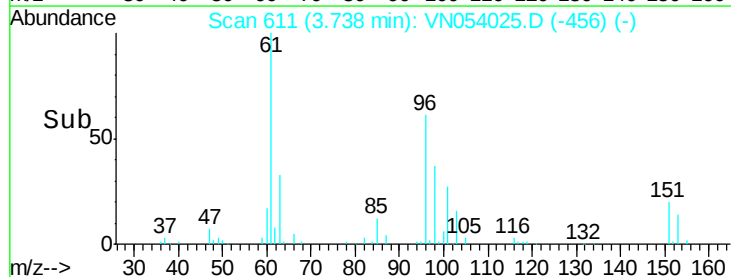
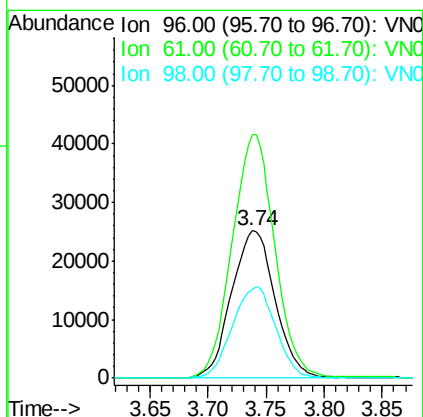
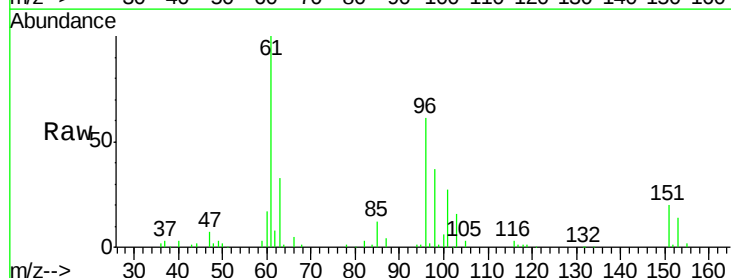
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

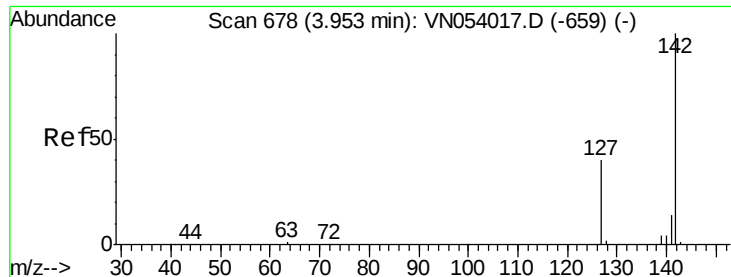
Tot Ion:101 Resp: 68895
 Ion Ratio Lower Upper
 101 100
 85 42.7 0.0 82.6
 151 78.6 0.0 158.4



#10
 1,1-Dichloroethene
 Concen: 10.383 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 96 Resp: 65729
 Ion Ratio Lower Upper
 96 100
 61 165.1 129.4 194.2
 98 60.5 50.4 75.6

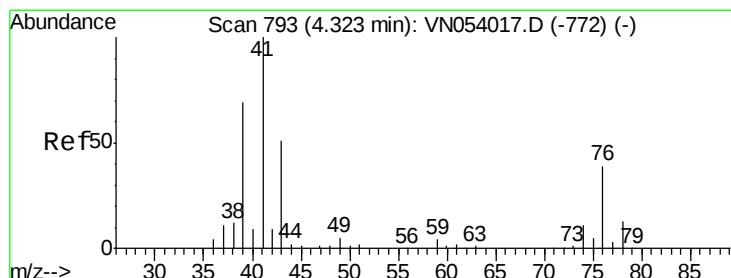
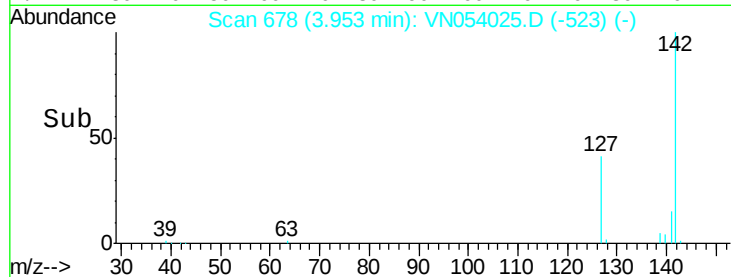
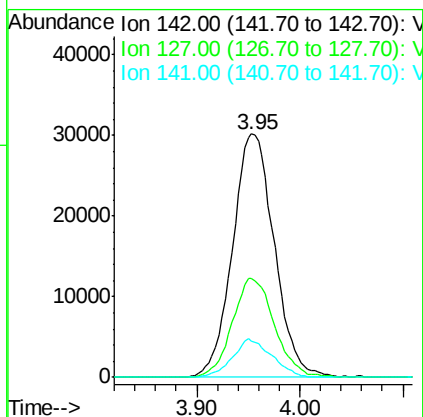
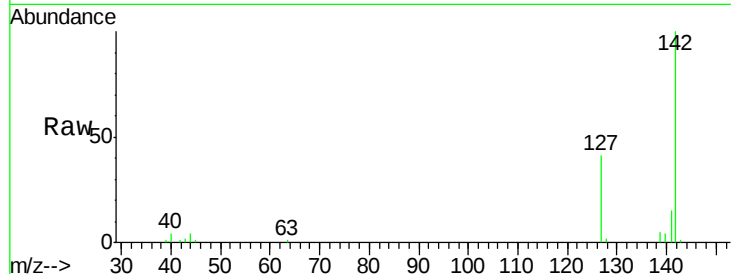




#11
Methyl Iodide
Concen: 9.044 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

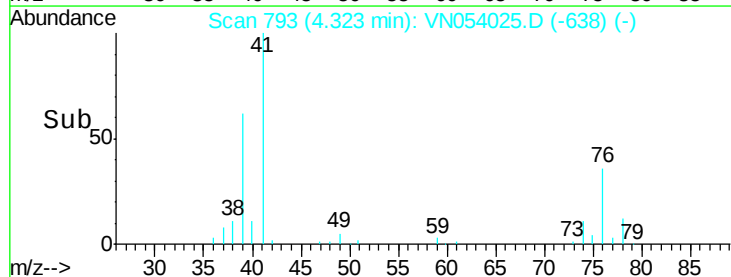
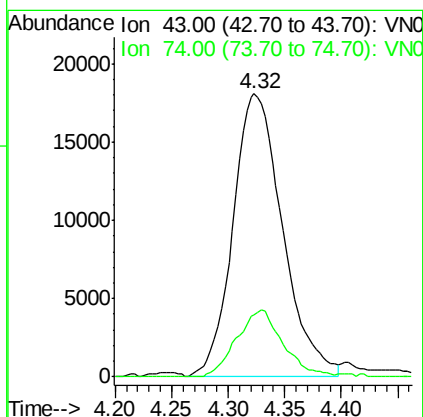
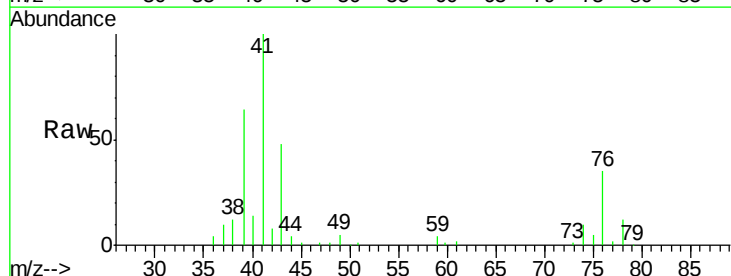
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

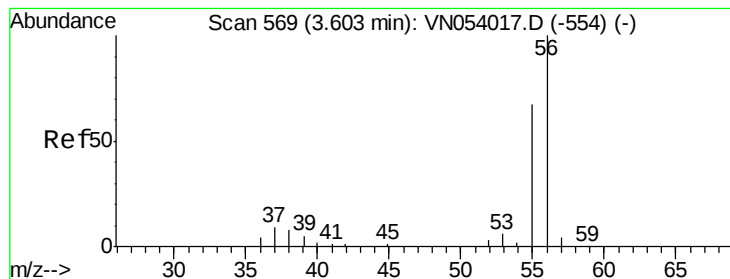
Tot Ion:142 Resp: 84930
Ion Ratio Lower Upper
142 100
127 40.8 19.4 58.1
141 15.1 7.2 21.6



#12
Methyl Acetate
Concen: 10.343 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 43 Resp: 55207
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3





#13

Acrolein

Concen: 70.705 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

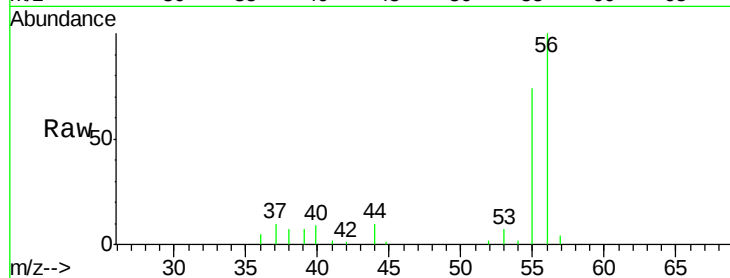
LOQ-WATER-02-QT1-2019

Tot Ion: 56 Resp: 30733

Ion Ratio Lower Upper

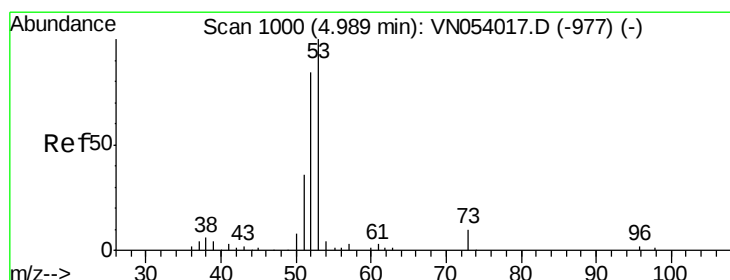
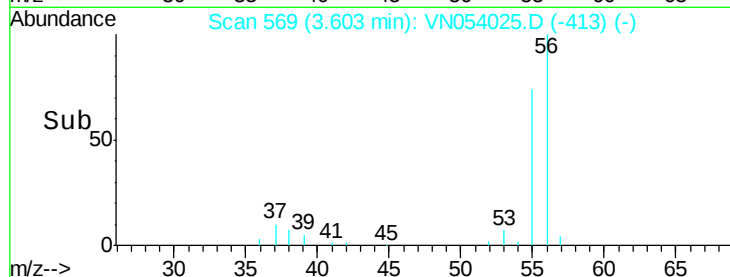
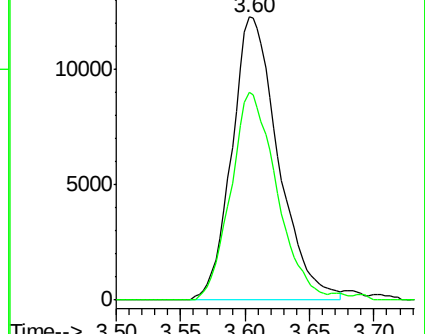
56 100

55 72.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 51.209 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

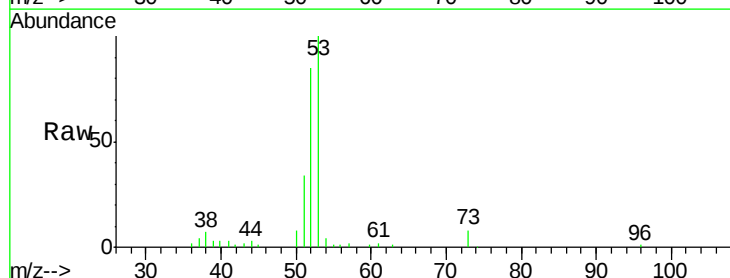
Tgt Ion: 53 Resp: 131349

Ion Ratio Lower Upper

53 100

52 81.3 39.9 119.7

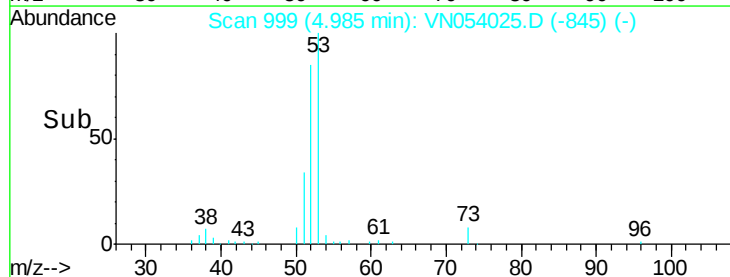
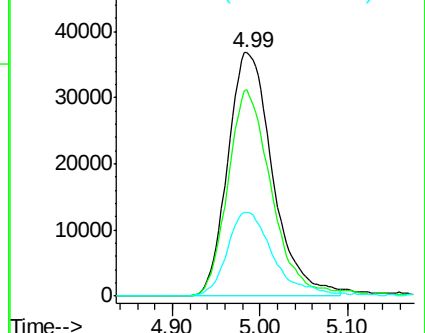
51 35.4 17.6 52.9

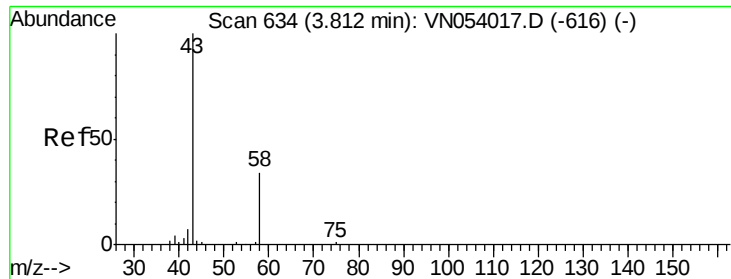


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 50.599 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

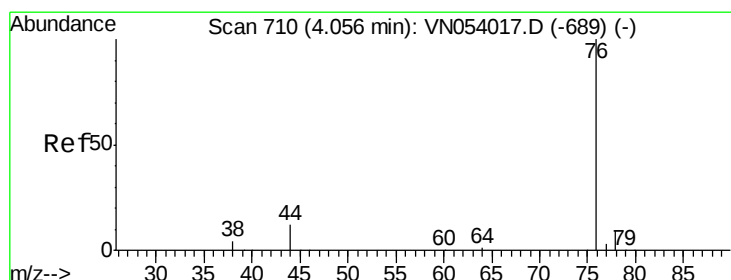
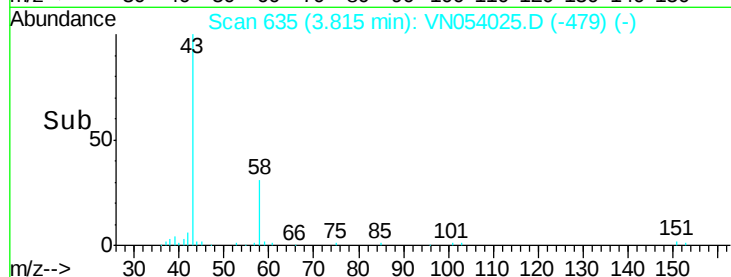
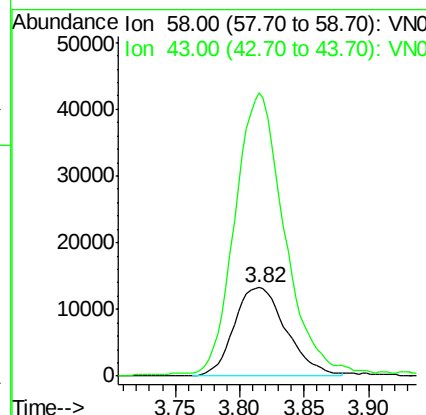
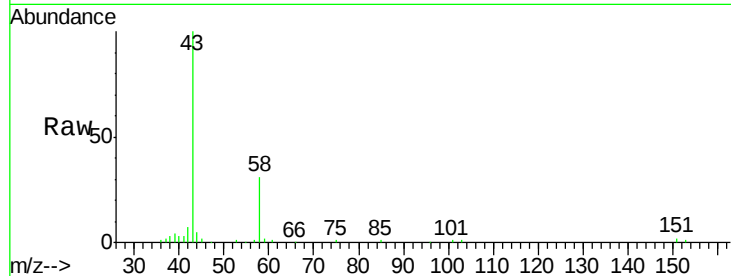
LOQ-WATER-02-QT1-2019

Tot Ion: 58 Resp: 37402

Ion Ratio Lower Upper

58 100

43 316.1 243.6 365.4



#16

Carbon Disulfide

Concen: 9.974 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054025.D

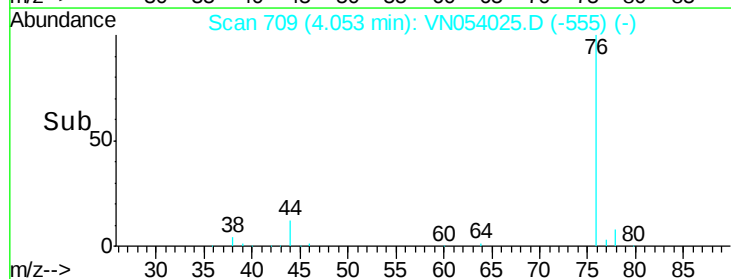
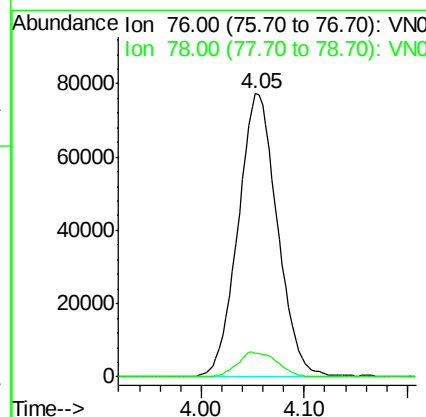
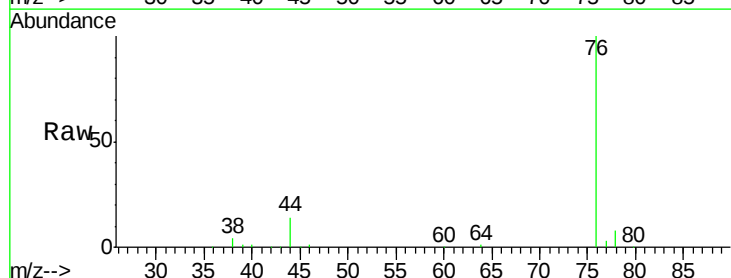
Acq: 1 Mar 2019 13:17

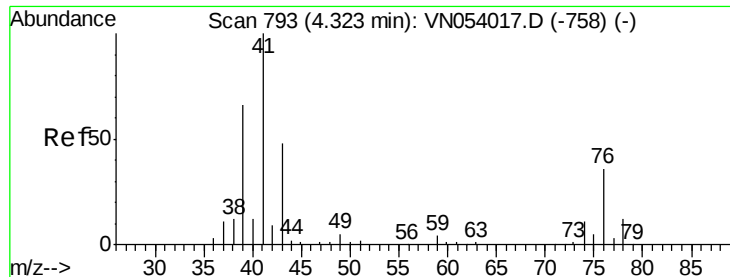
Tgt Ion: 76 Resp: 204864

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9





#17

Allvl chloride

Concen: 9.795 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

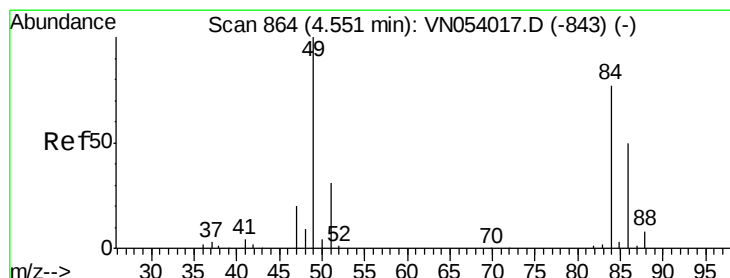
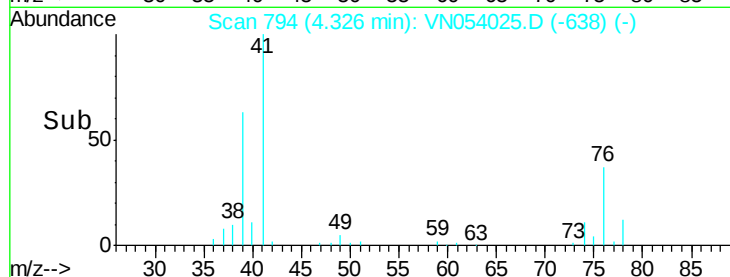
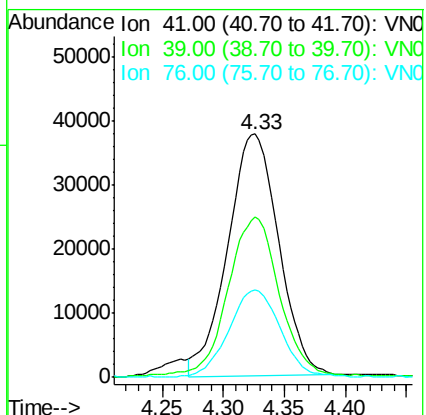
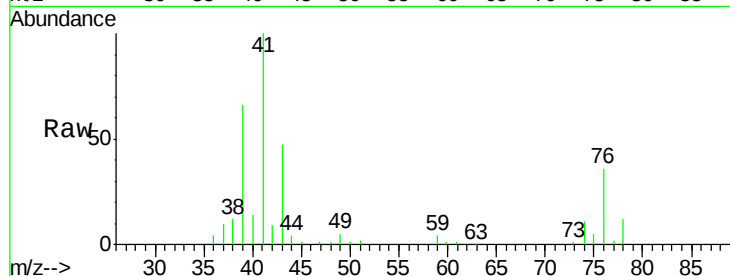
Tot Ion: 41 Resp: 109663

Ion Ratio Lower Upper

41 100

39 65.3 32.8 98.3

76 35.4 18.6 55.8



#18

Methylene Chloride

Concen: 10.436 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Tgt Ion: 84 Resp: 76286

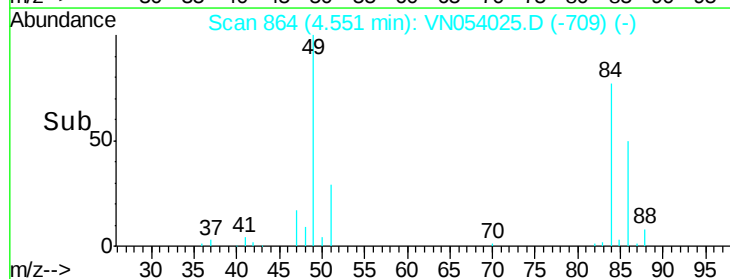
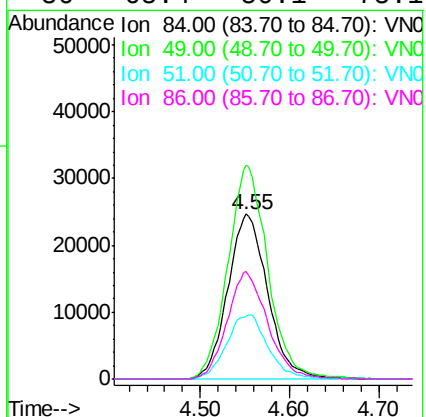
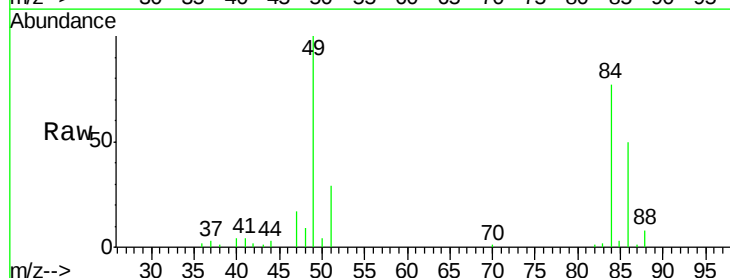
Ion Ratio Lower Upper

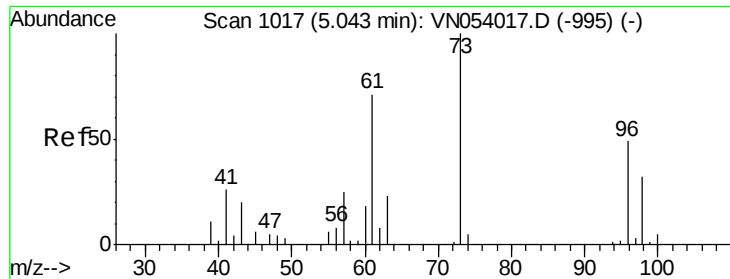
84 100

49 129.8 101.4 152.0

51 38.2 31.7 47.5

86 65.4 50.1 75.1

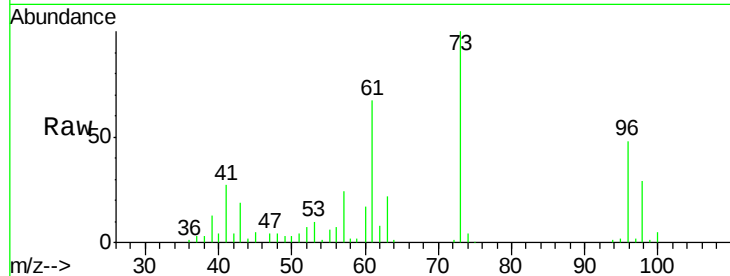




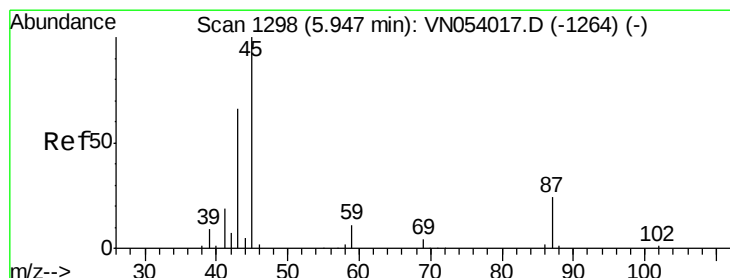
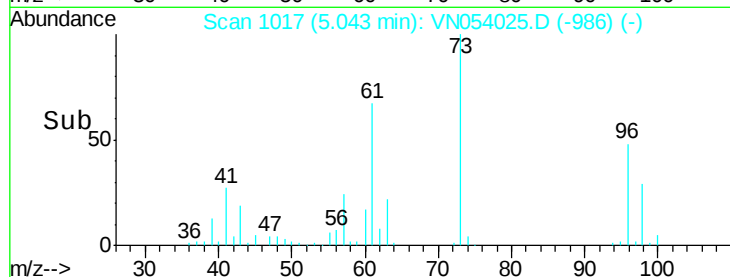
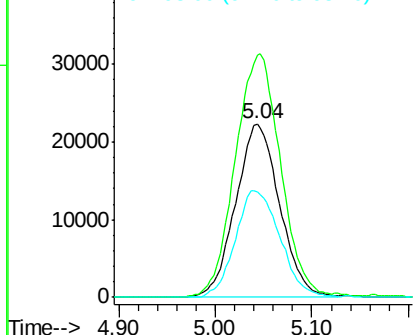
#19
trans-1,2-Dichloroethene
Concen: 10.264 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 96 Resp: 70490
Ion Ratio Lower Upper
96 100
61 138.5 118.2 177.4
98 60.7 51.4 77.2

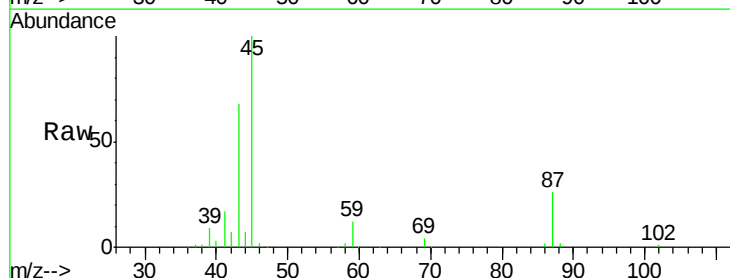


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

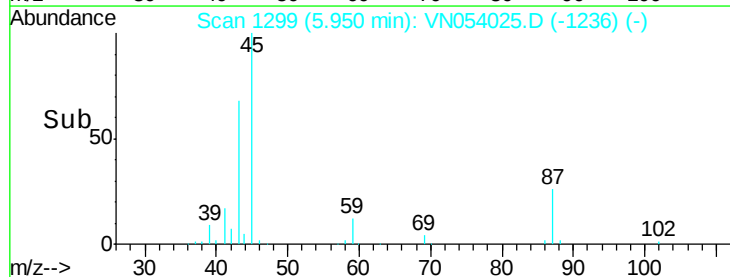
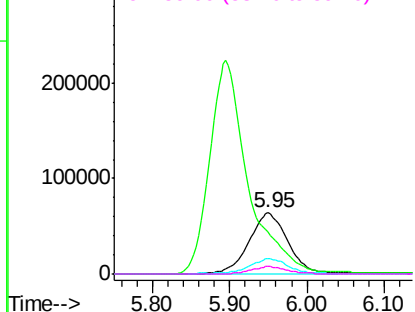


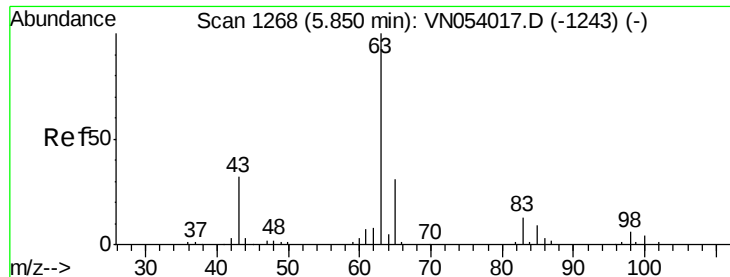
#20
Diisopropyl ether
Concen: 9.990 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 45 Resp: 223744
Ion Ratio Lower Upper
45 100
43 65.0 47.8 71.8
87 25.1 21.3 31.9
59 12.2 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 10.374 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

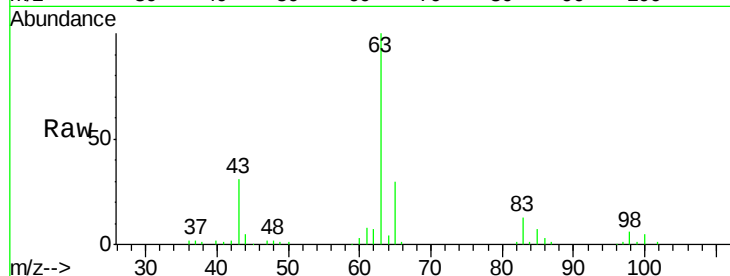
Tot Ion: 63 Resp: 137211

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

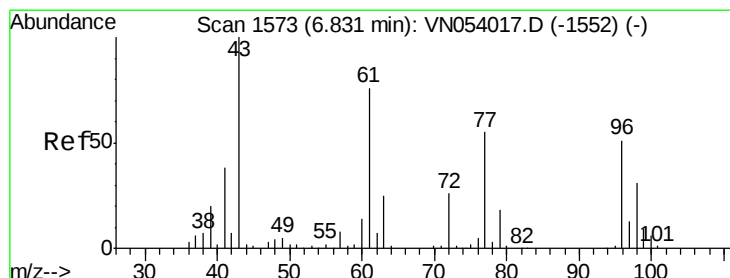
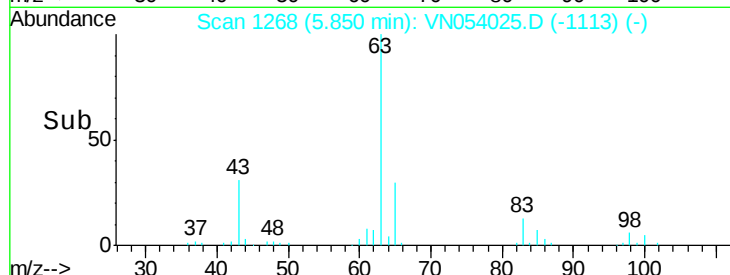
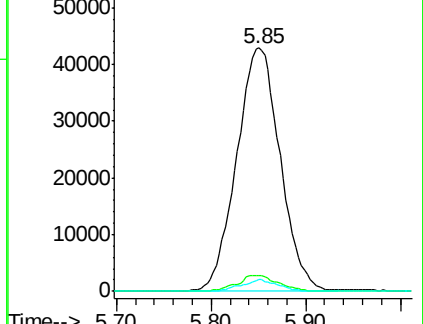
100 5.0 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN054025.D (-1113) (-)

Ion 98.00 (97.70 to 98.70): VN054025.D (-1113) (-)

Ion 100.00 (99.70 to 100.70): VN054025.D (-1113) (-)



#22

cis-1,2-Dichloroethene

Concen: 10.180 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

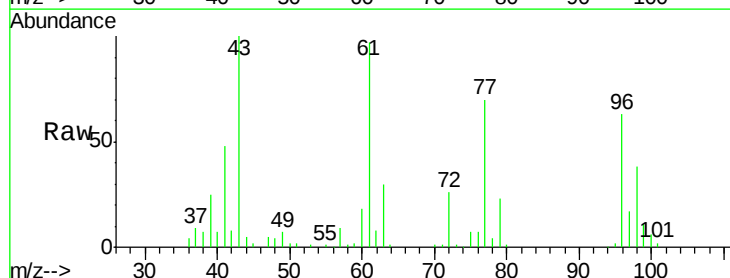
Tgt Ion: 96 Resp: 77830

Ion Ratio Lower Upper

96 100

61 151.3 116.7 175.1

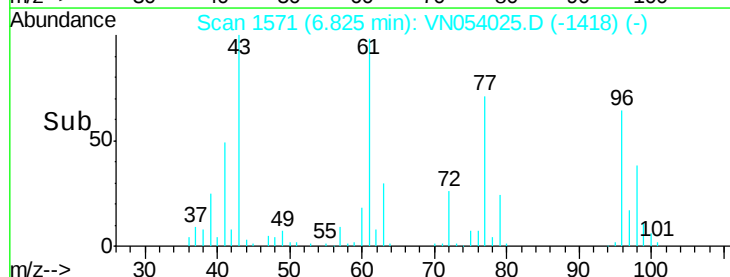
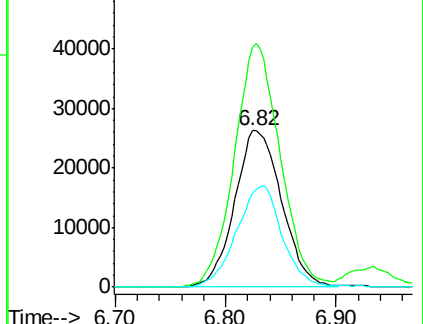
98 62.5 50.8 76.2

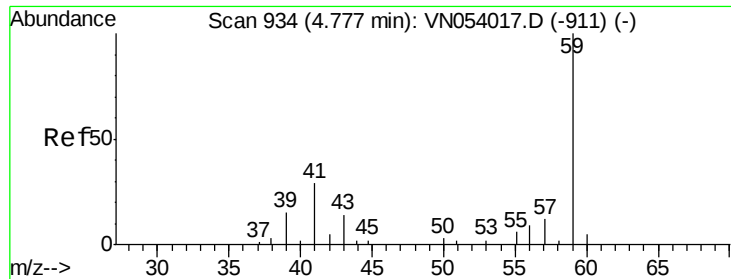


Abundance Ion 96.00 (95.70 to 96.70): VN054025.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN054025.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN054025.D (-1418) (-)

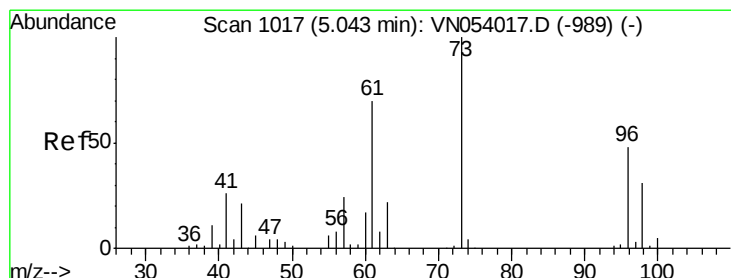
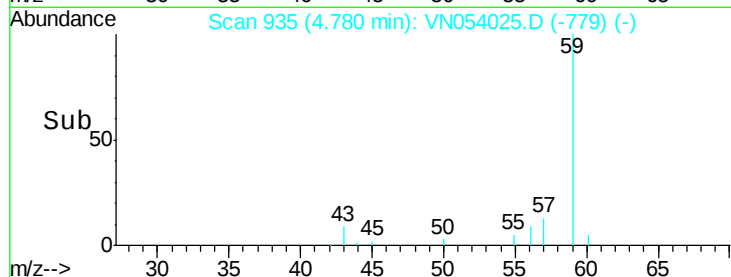
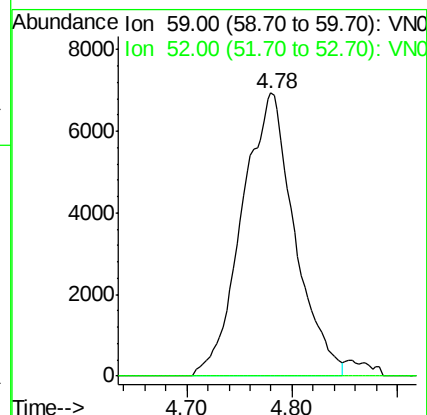
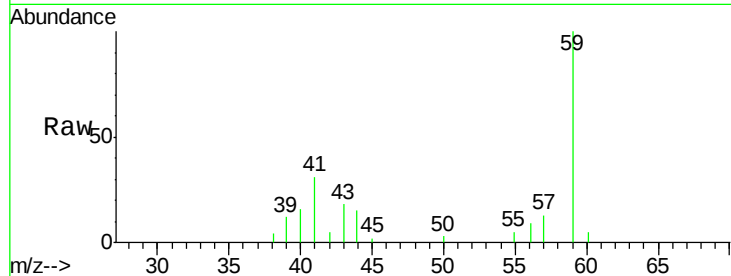




#23
 tert-Butyl Alcohol
 Concen: 52.382 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

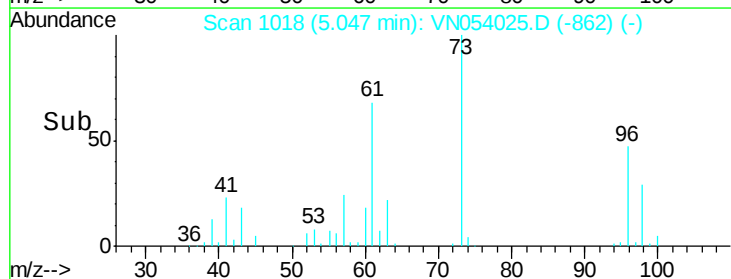
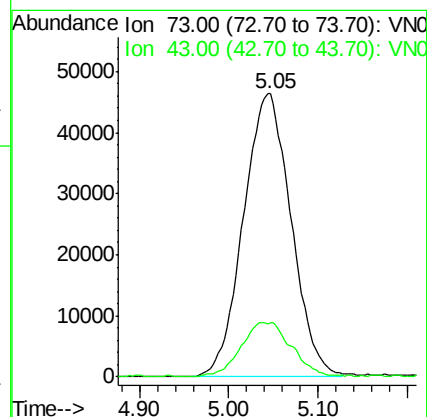
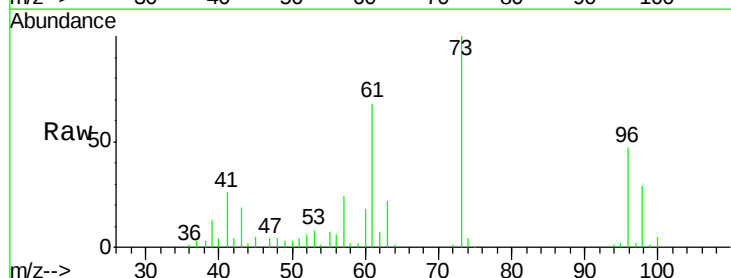
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

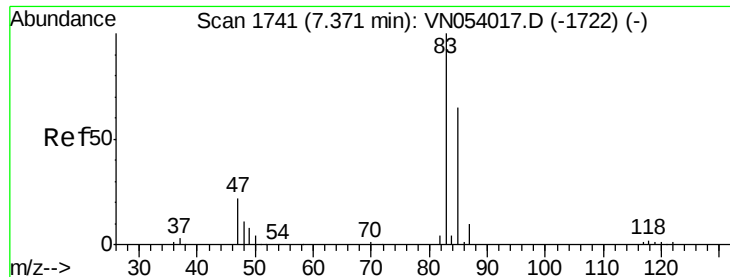
Tot Ion: 59 Resp: 24065
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 10.066 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 73 Resp: 172518
 Ion Ratio Lower Upper
 73 100
 43 10.9 15.8 23.8#

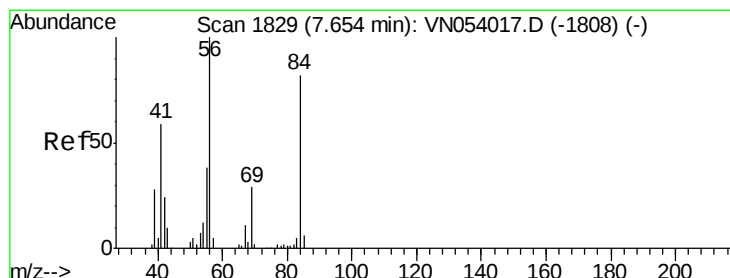
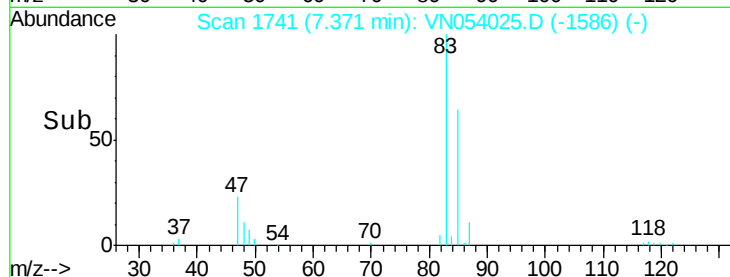
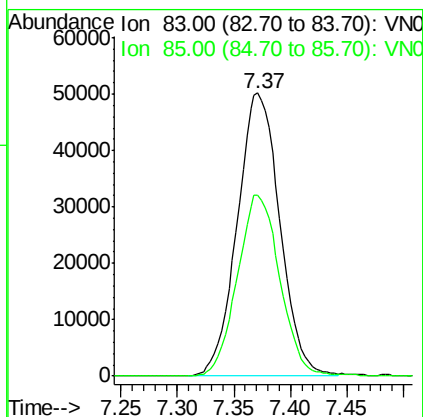
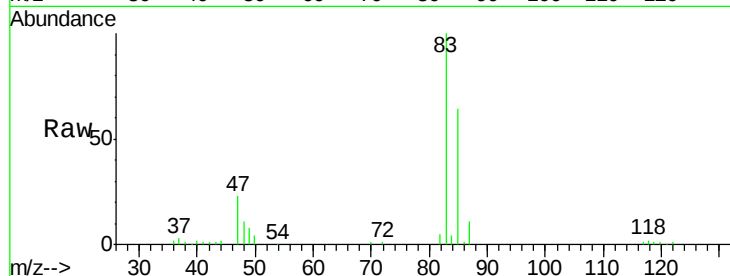




#25
Chloroform
Concen: 10.311 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

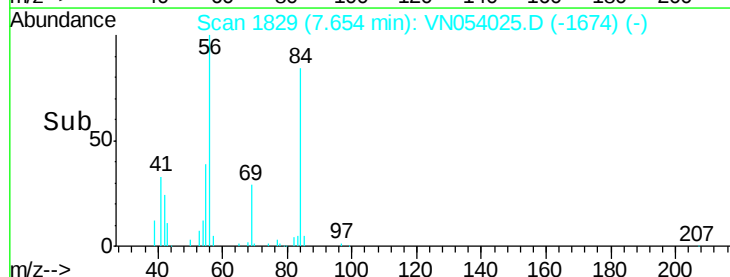
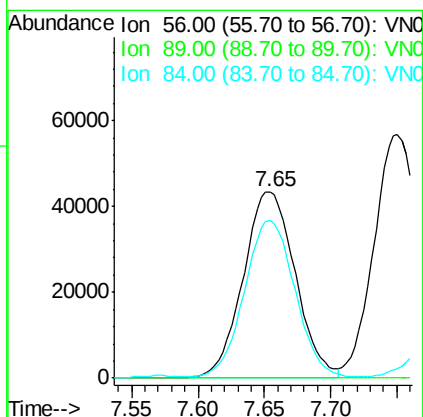
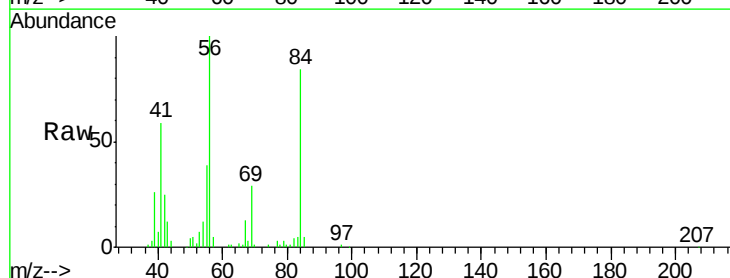
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

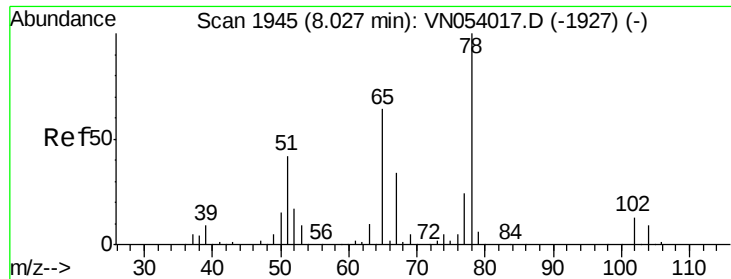
Tot Ion: 83 Resp: 131588
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5



#26
Cyclohexane
Concen: 9.846 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 56 Resp: 118517
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 82.6 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 9.846 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

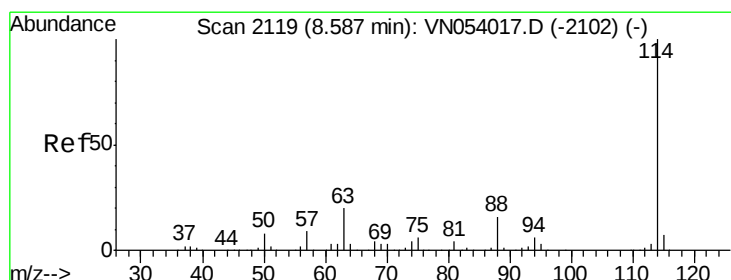
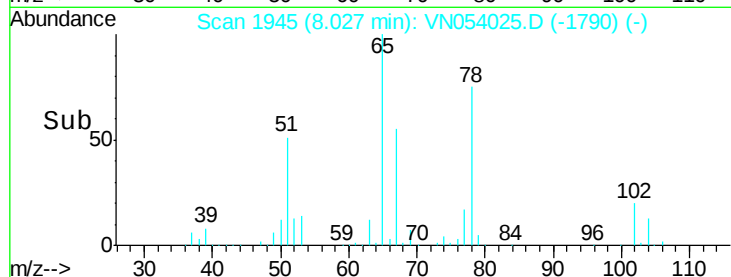
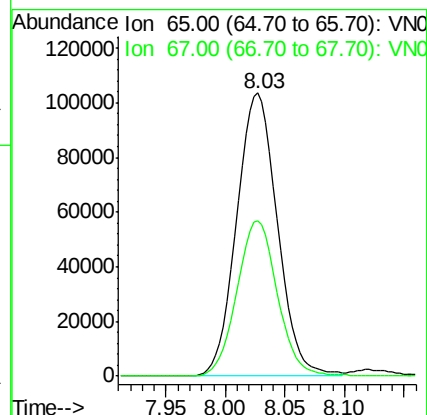
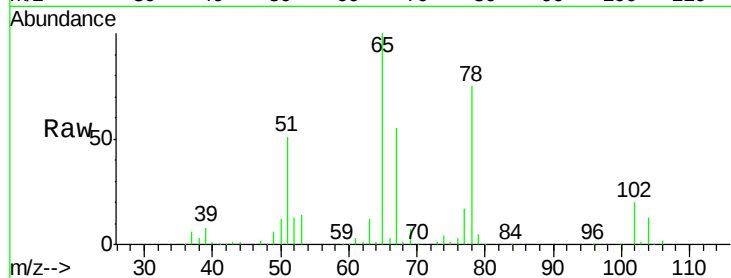
LOQ-WATER-02-QT1-2019

Tot Ion: 65 Resp: 246053

Ion Ratio Lower Upper

65 100

67 54.6 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

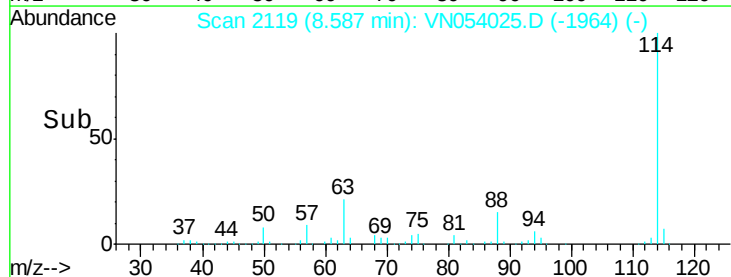
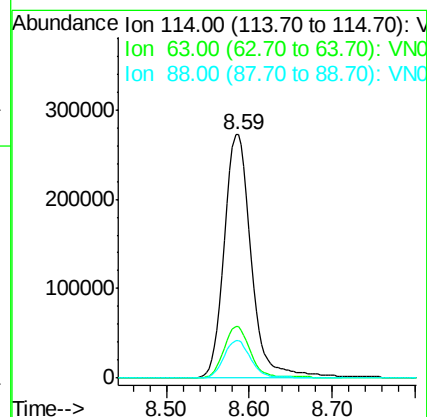
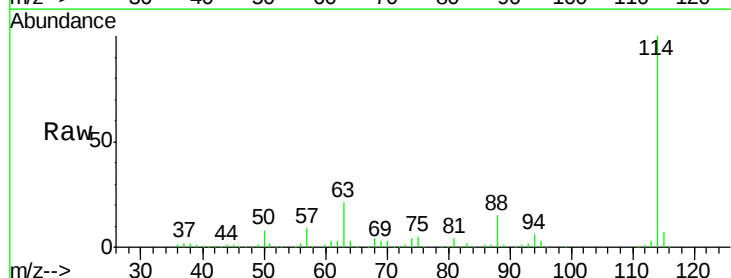
Tgt Ion: 114 Resp: 618380

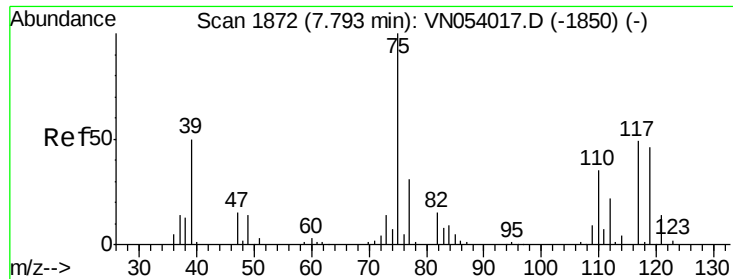
Ion Ratio Lower Upper

114 100

63 20.9 16.9 25.3

88 15.3 12.8 19.2

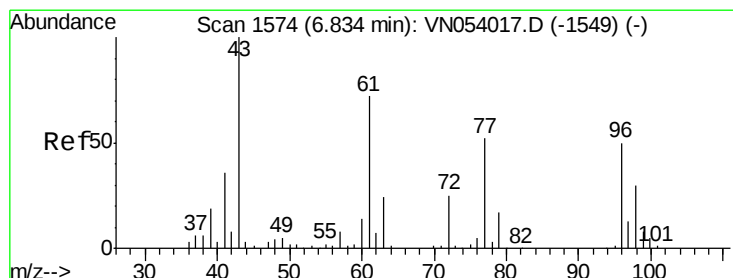
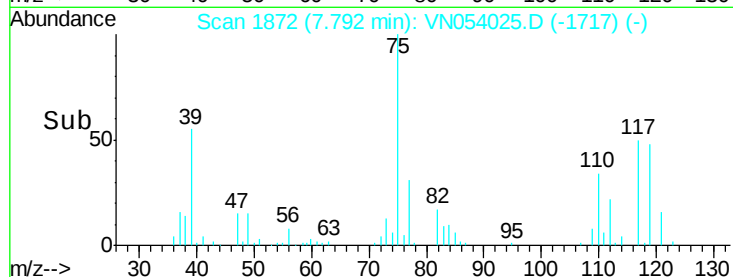
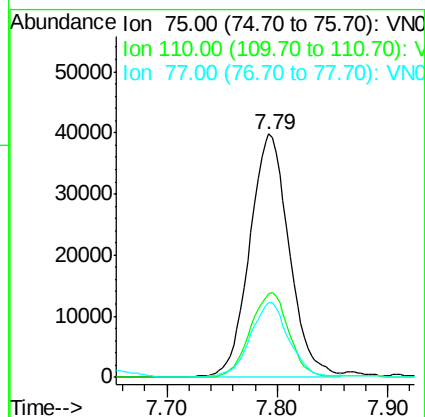
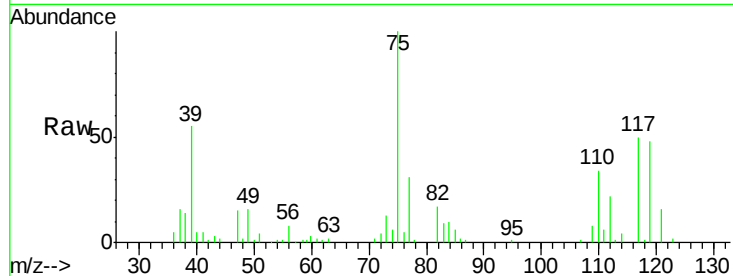




#29
 1,1-Dichloropropene
 Concen: 10.219 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

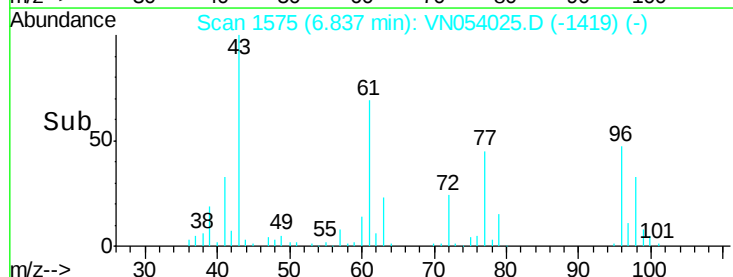
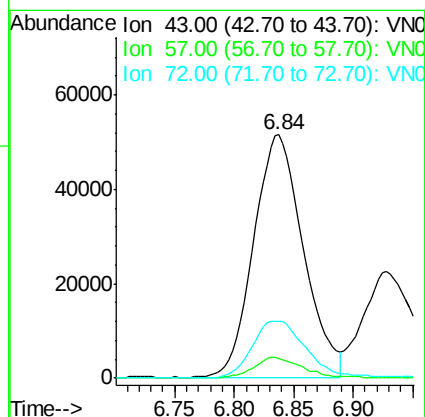
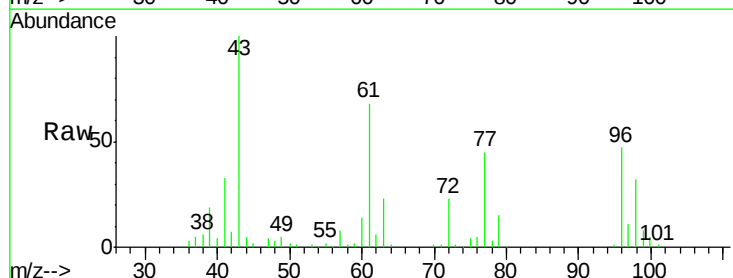
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

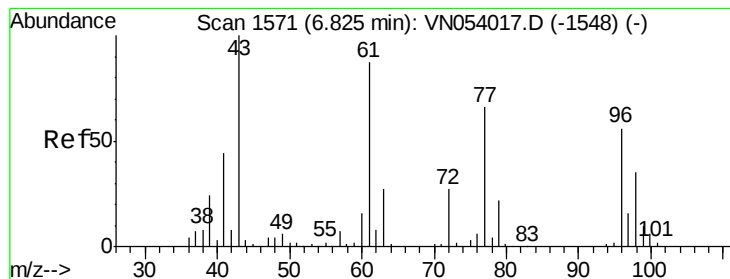
Tot Ion: 75 Resp: 98982
 Ion Ratio Lower Upper
 75 100
 110 33.8 0.0 70.2
 77 30.1 0.0 62.6



#30
 2-Butanone
 Concen: 48.431 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 43 Resp: 148117
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 25.6 21.0 31.6





#31

2,2-Dichloropropane

Concen: 9.748 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

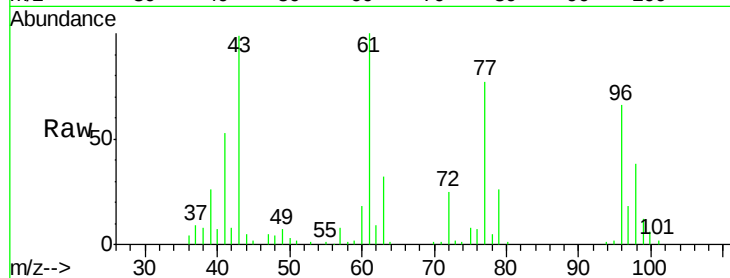
LOQ-WATER-02-QT1-2019

Tot Ion: 77 Resp: 93108

Ion Ratio Lower Upper

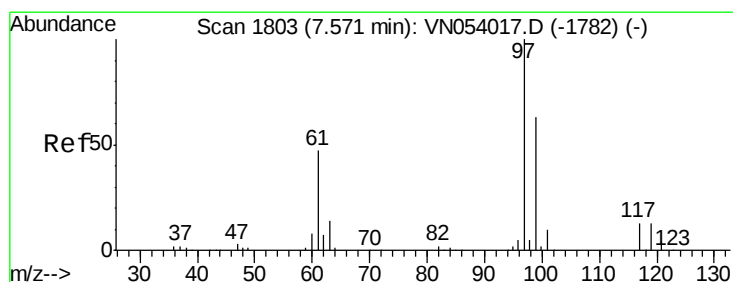
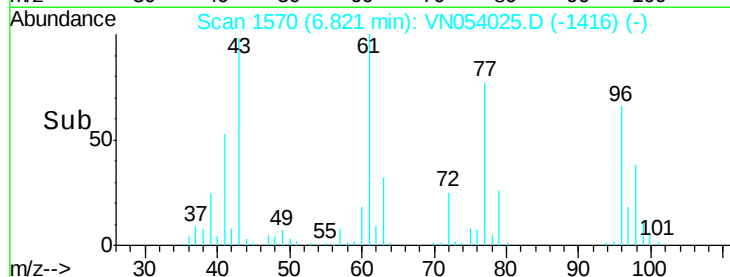
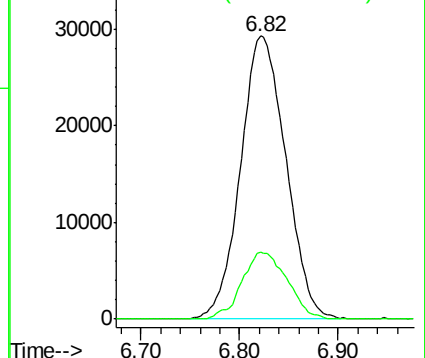
77 100

97 23.6 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 10.387 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

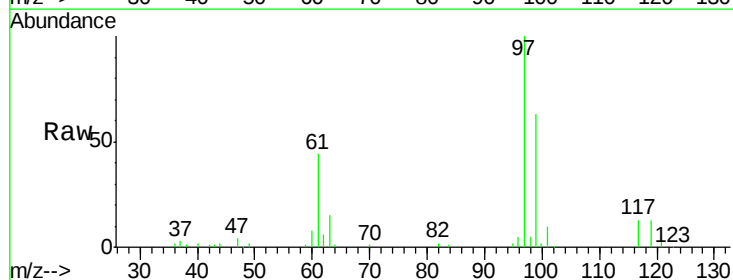
Tgt Ion: 97 Resp: 108219

Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

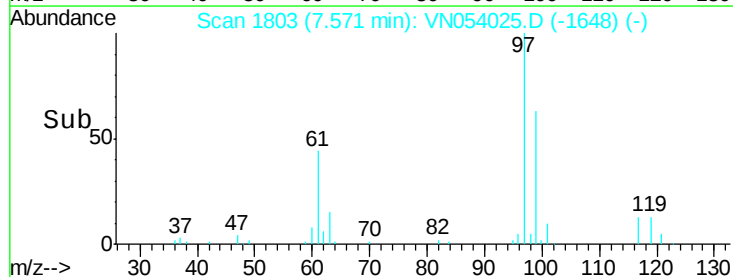
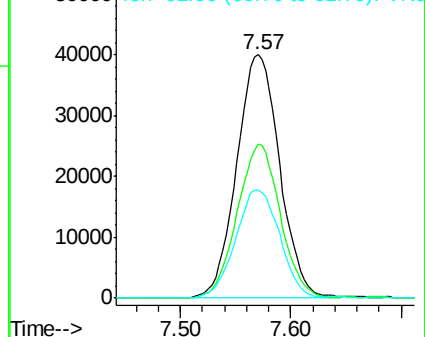
61 45.6 38.1 57.1

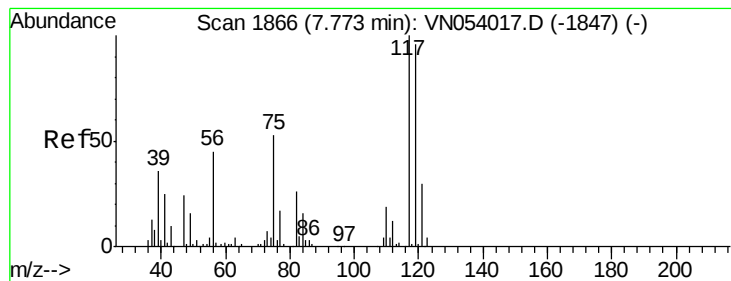


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 10.012 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

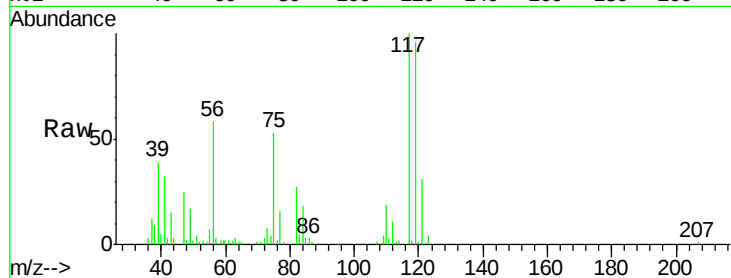
Tot Ion:117 Resp: 92359

Ion Ratio Lower Upper

117 100

119 96.2 77.3 115.9

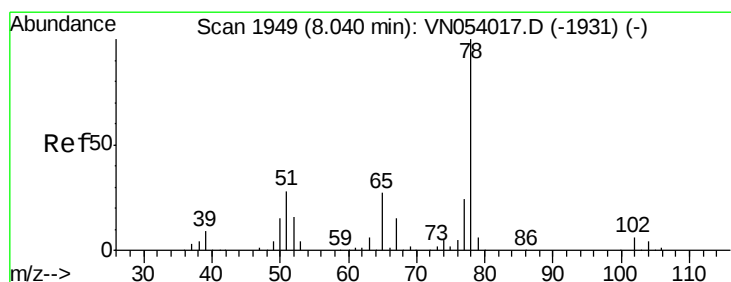
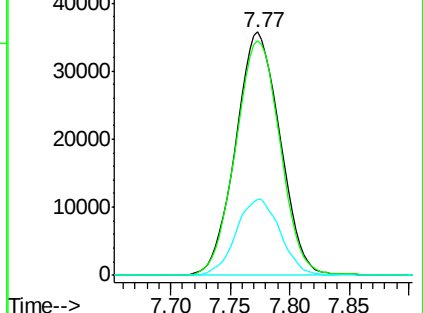
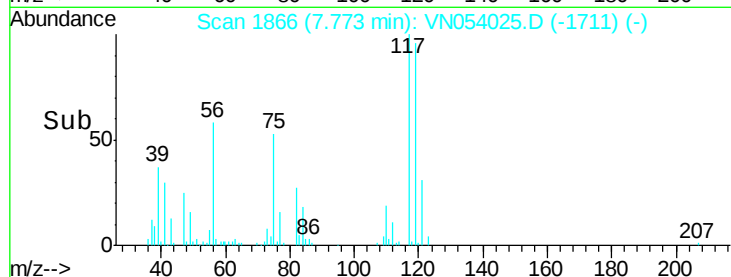
121 31.0 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 10.247 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

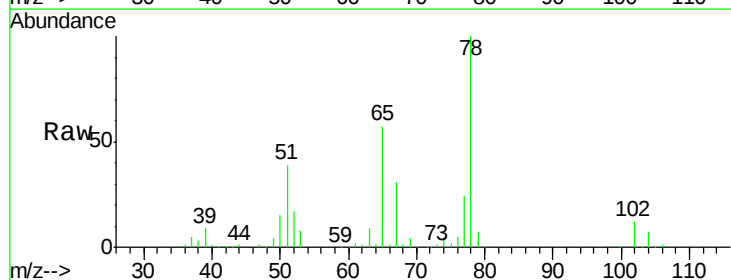
Tgt Ion: 78 Resp: 294986

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

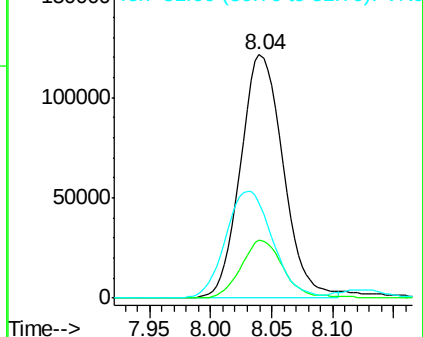
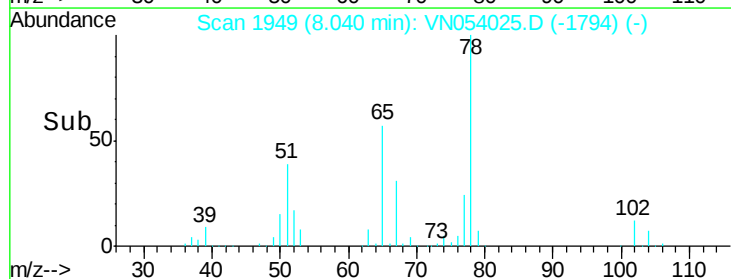
51 38.5 20.5 30.7#

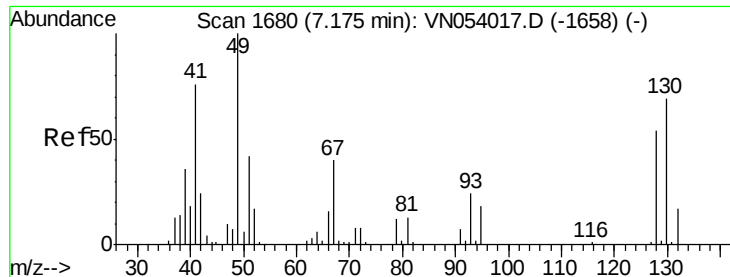


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

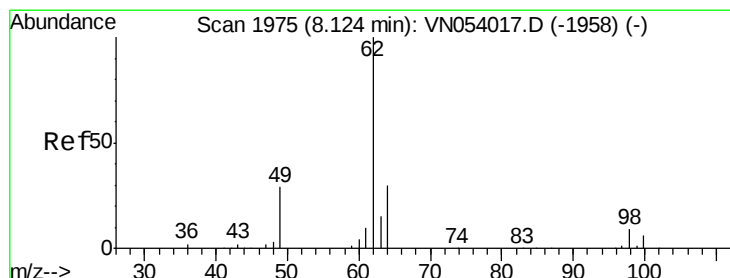
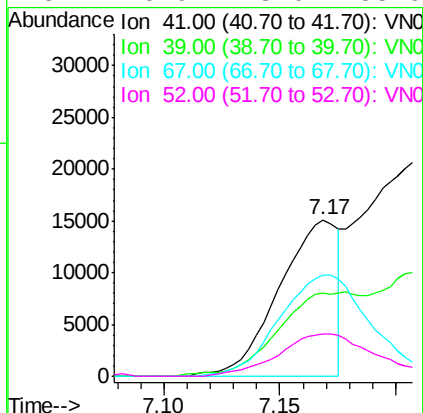
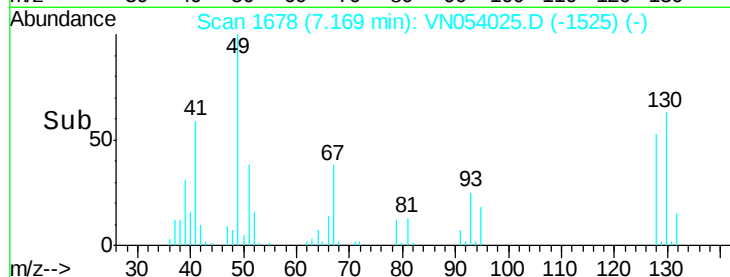
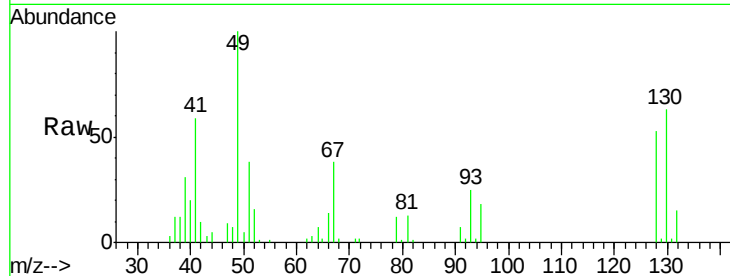




#35
Methacrylonitrile
Concen: 7.765 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

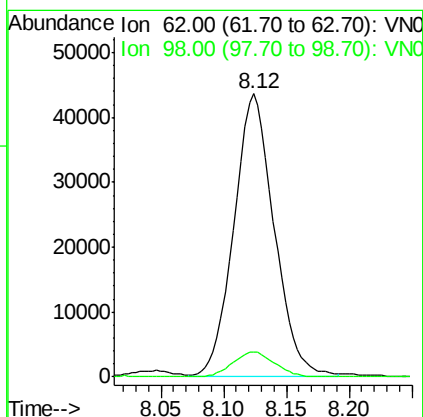
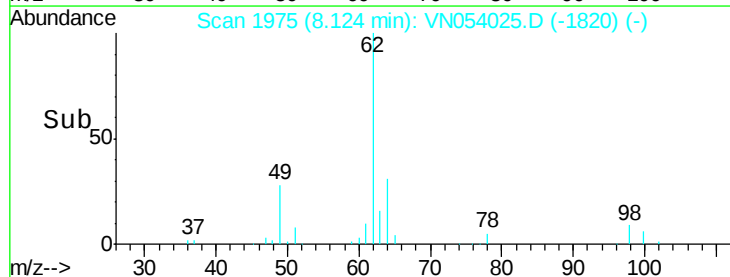
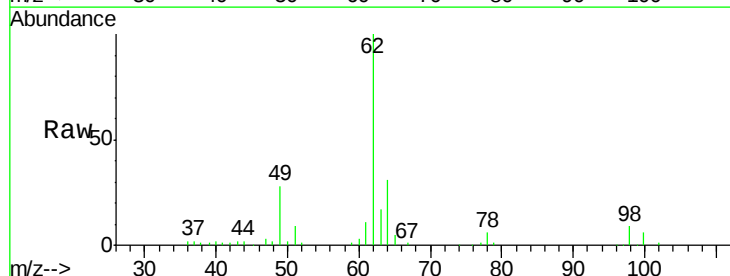
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

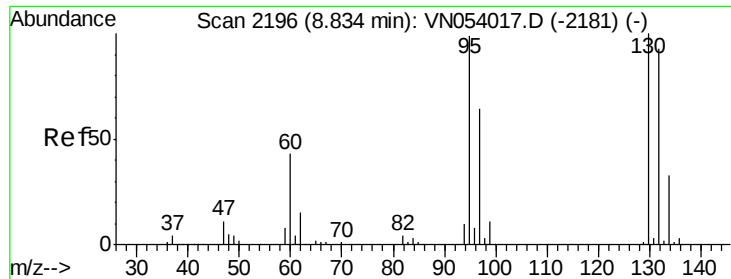
Tot Ion: 41 Resp: 26554
Ion Ratio Lower Upper
41 100
39 51.3 26.6 79.7
67 64.8 32.3 96.9
52 26.9 13.0 38.9



#36
1,2-Dichloroethane
Concen: 10.601 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 62 Resp: 97998
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.2

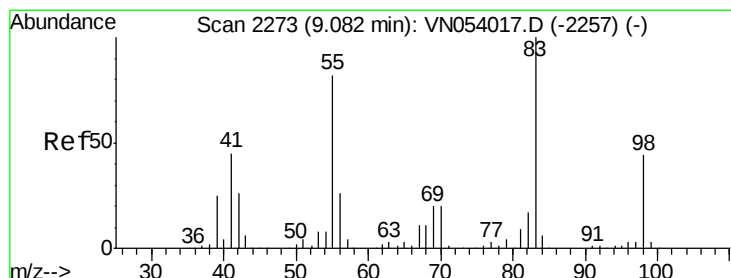
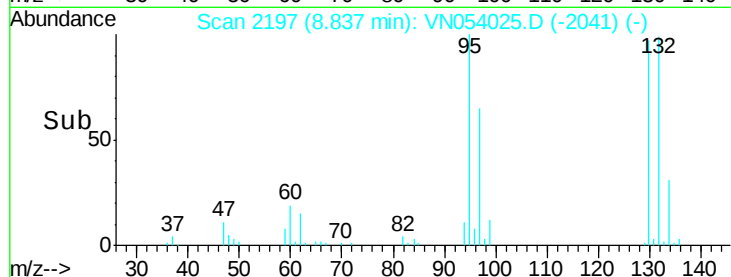
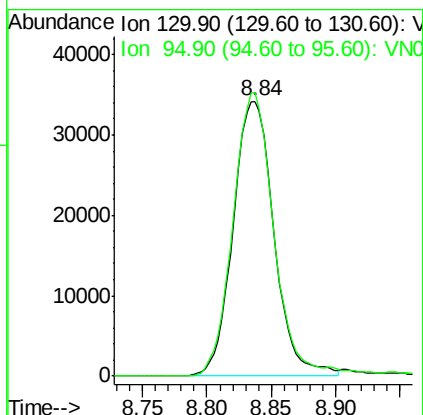
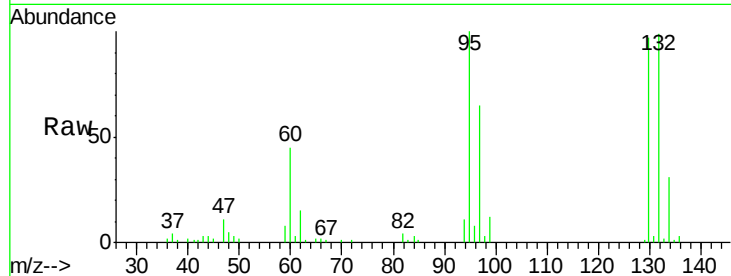




#37
 Trichloroethene
 Concen: 10.049 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

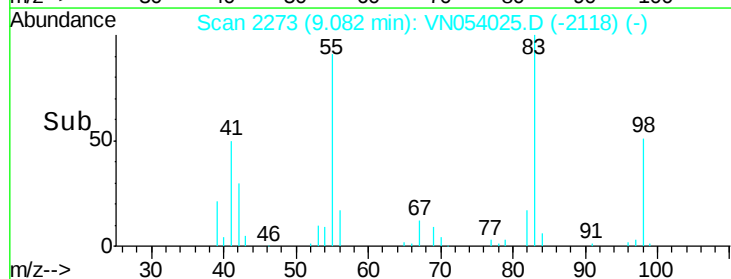
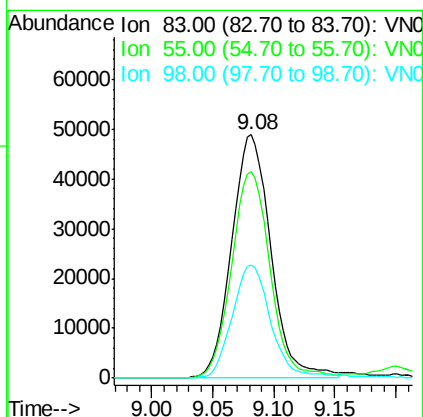
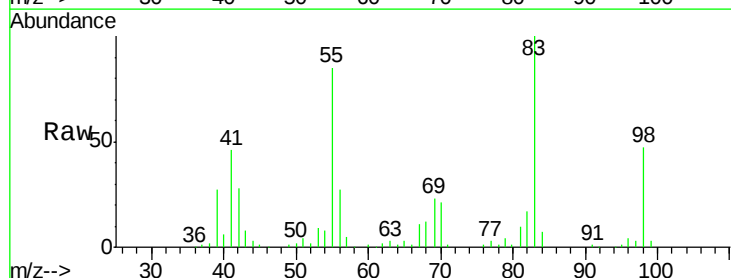
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

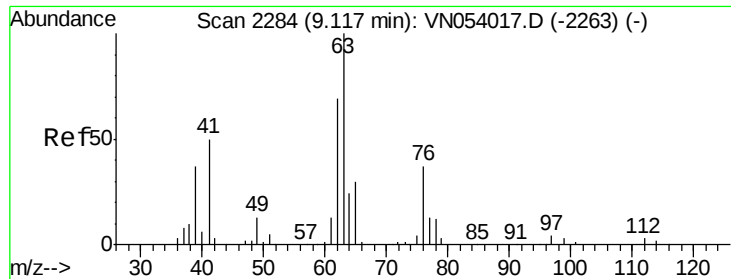
Tot Ion:130 Resp: 75510
 Ion Ratio Lower Upper
 130 100
 95 102.9 81.0 121.4



#38
 Methylcyclohexane
 Concen: 9.566 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 83 Resp: 109365
 Ion Ratio Lower Upper
 83 100
 55 83.2 39.8 119.4
 98 45.5 22.9 68.5

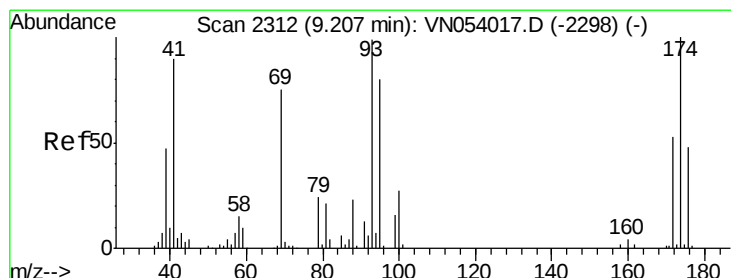
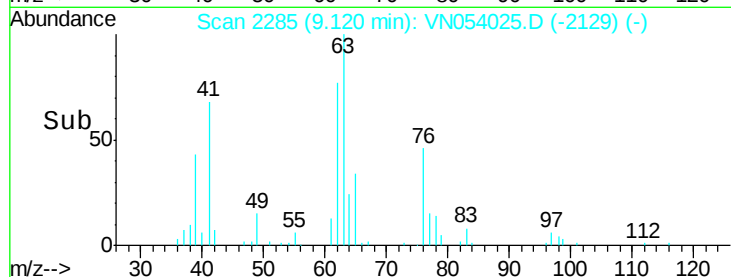
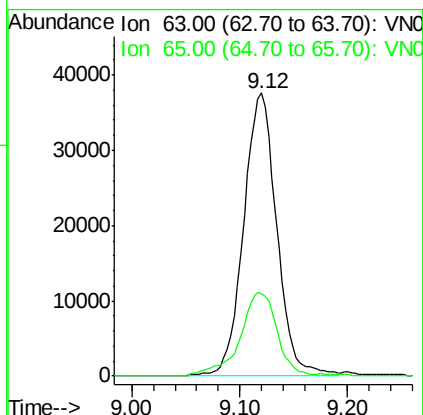
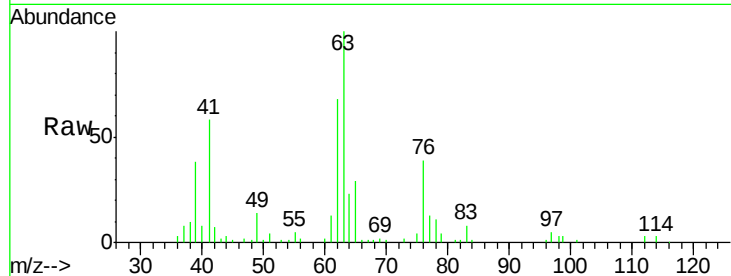




#39
 1,2-Dichloropropane
 Concen: 10.207 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

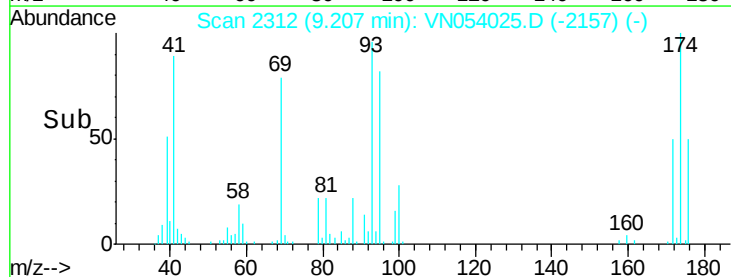
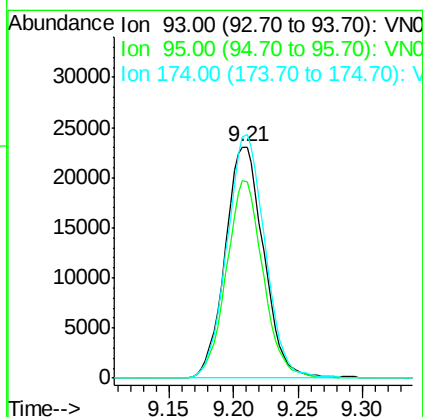
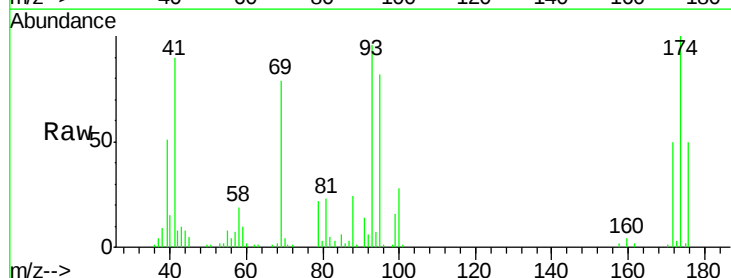
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

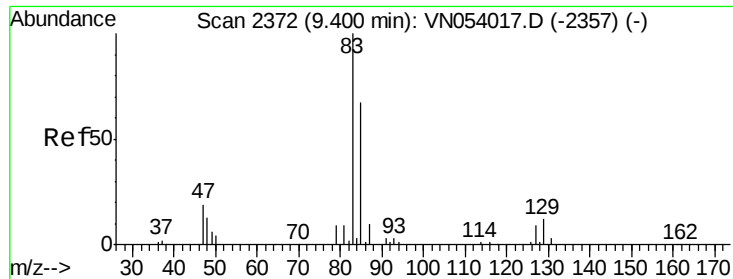
Tot Ion: 63 Resp: 80494
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.6 35.4



#40
 Dibromomethane
 Concen: 10.596 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 93 Resp: 47902
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 168.4
 174 103.6 0.0 210.0





#41

Bromodichloromethane

Concen: 10.148 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

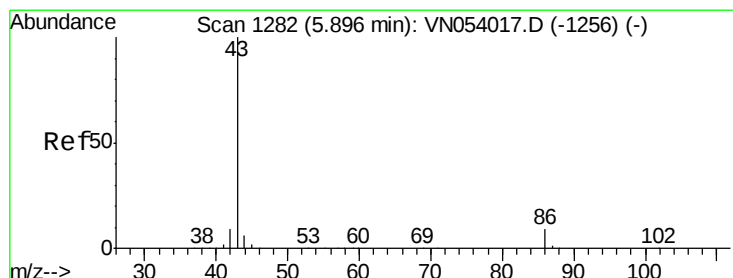
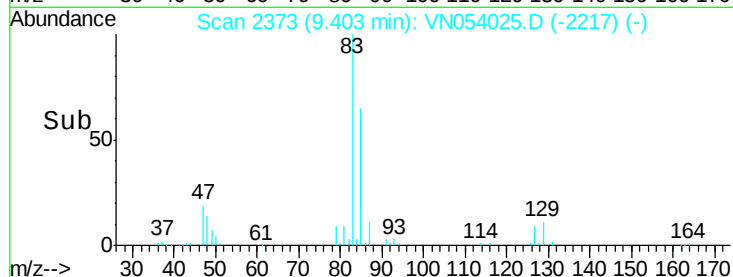
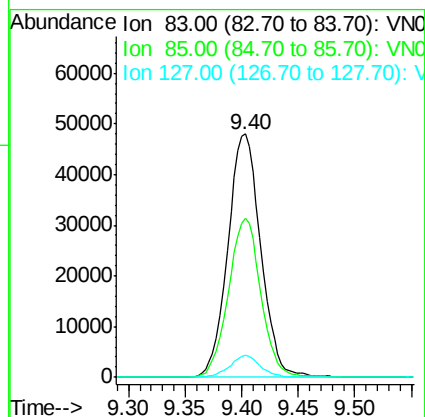
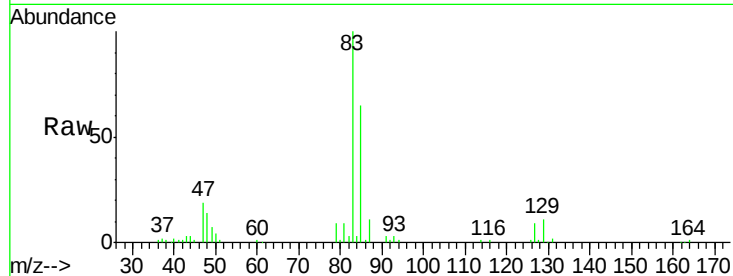
Tot Ion: 83 Resp: 97345

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6

127 10.0 6.6 9.8#



#42

Vinyl Acetate

Concen: 48.736 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054025.D

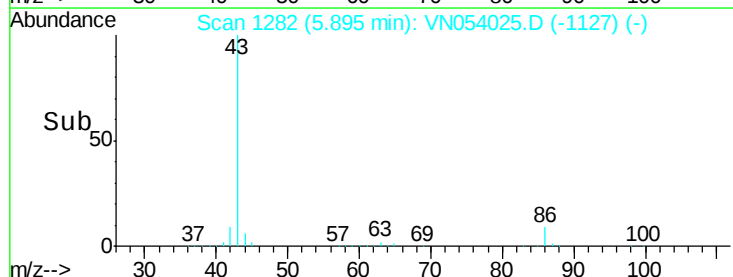
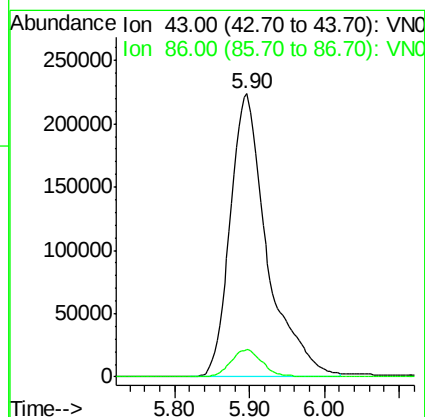
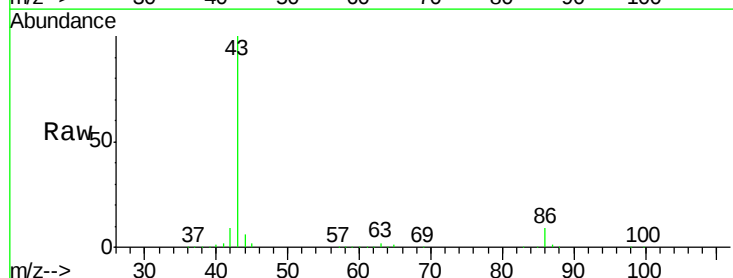
Acq: 1 Mar 2019 13:17

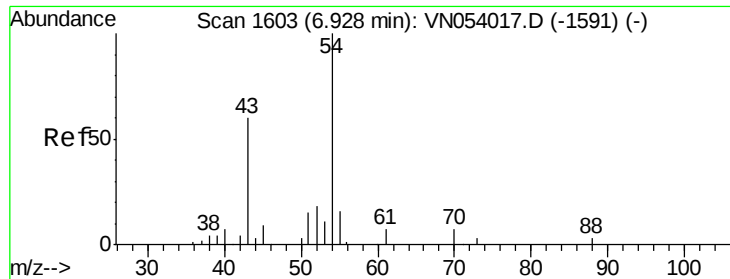
Tgt Ion: 43 Resp: 770019

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7





#43

Ethyl Acetate

Concen: 9.387 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

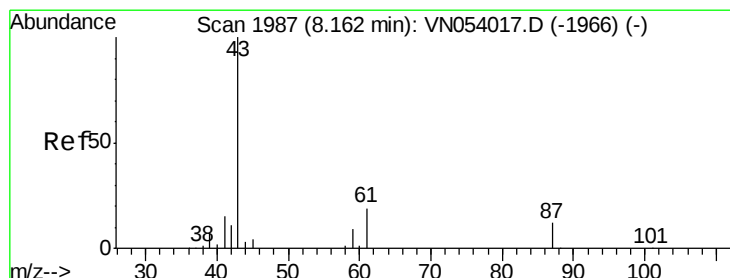
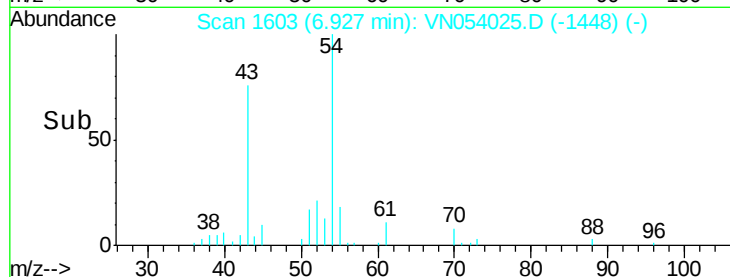
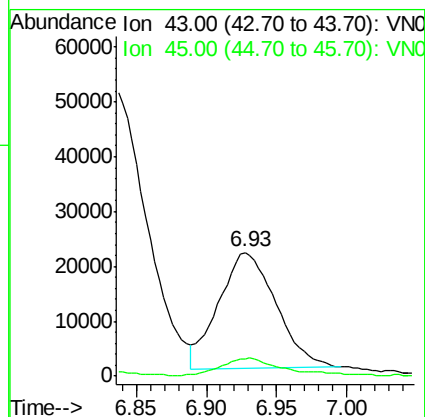
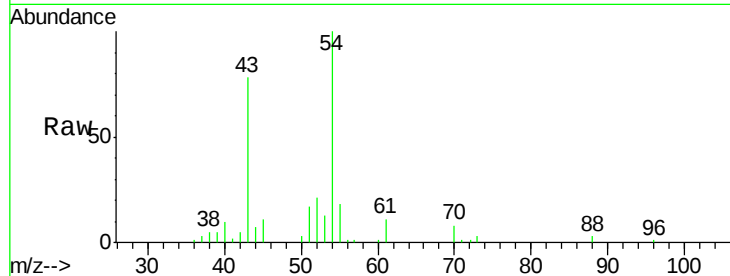
LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 60131

Ion Ratio Lower Upper

43 100

45 13.6 1.0 1.6#



#44

Isopropyl Acetate

Concen: 9.767 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN054025.D

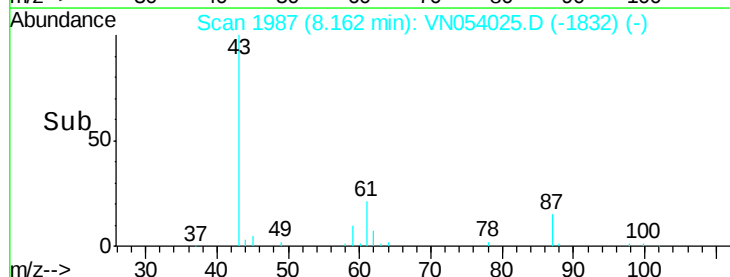
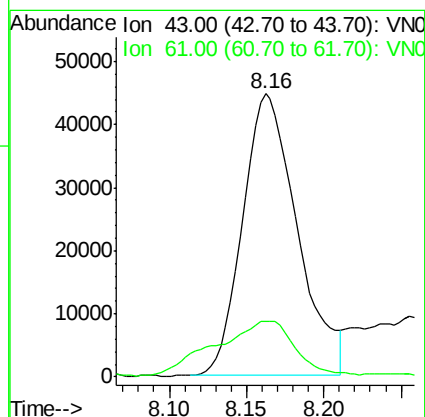
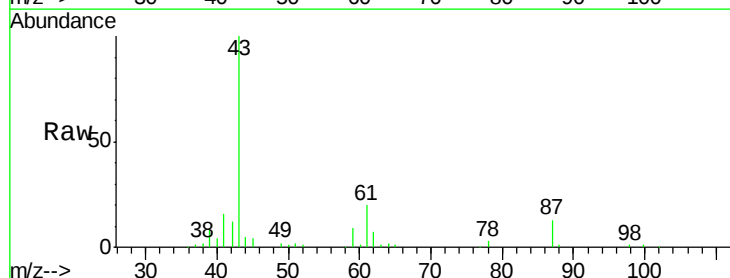
Acq: 1 Mar 2019 13:17

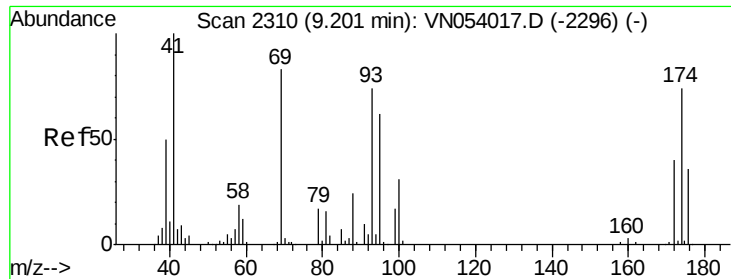
Tgt Ion: 43 Resp: 109788

Ion Ratio Lower Upper

43 100

61 29.4 16.0 24.0#

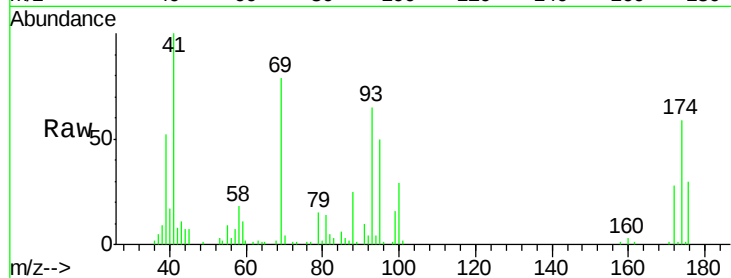




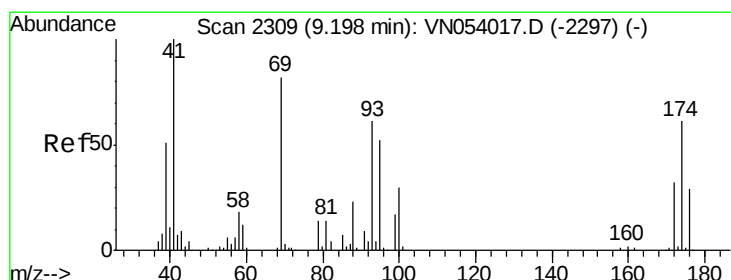
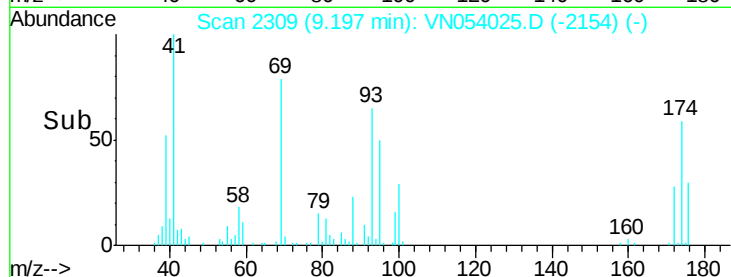
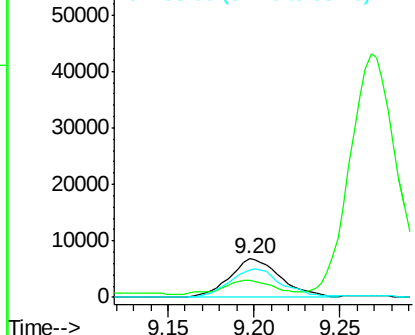
#45
 1,4-Dioxane
 Concen: 228.959 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion: 88 Resp: 14053
 Ion Ratio Lower Upper
 88 100
 43 35.1 29.5 44.3
 58 74.9 61.5 92.3

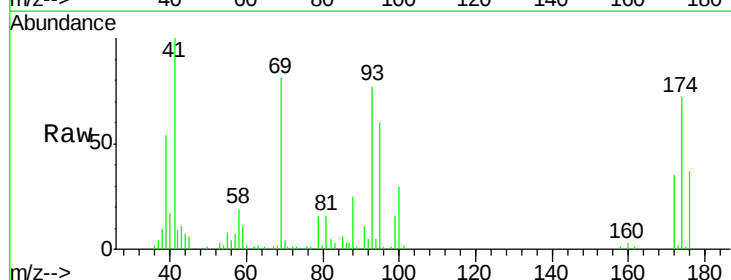


Abundance Ion 88.00 (87.70 to 88.70): VNC
 Ion 43.00 (42.70 to 43.70): VNC
 Ion 58.00 (57.70 to 58.70): VNC

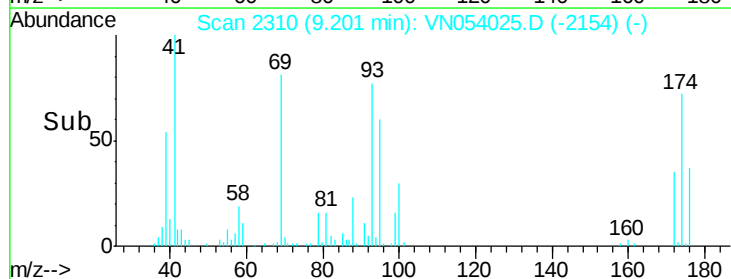
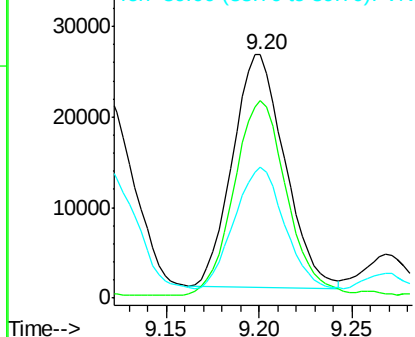


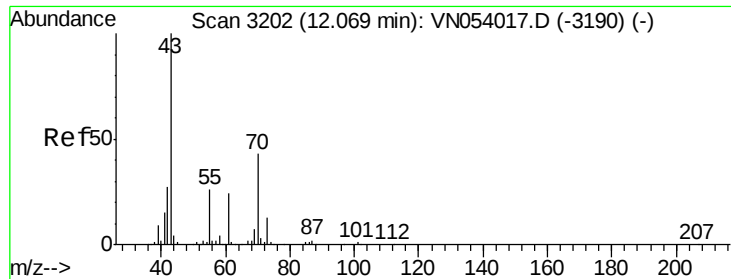
#46
 Methyl methacrylate
 Concen: 9.301 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 41 Resp: 50219
 Ion Ratio Lower Upper
 41 100
 69 83.9 42.5 127.6
 39 52.1 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VNC
 Ion 69.00 (68.70 to 69.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC

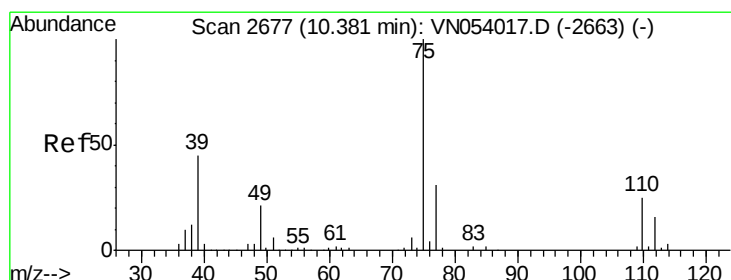
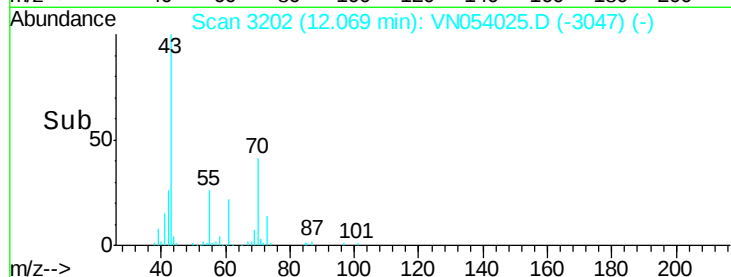
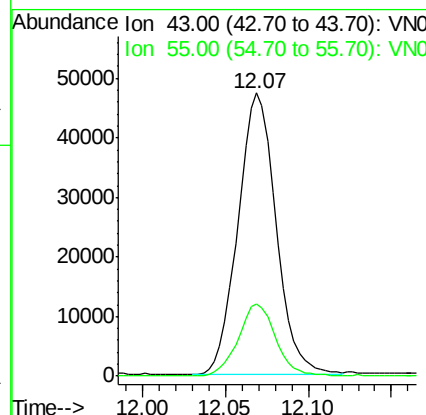
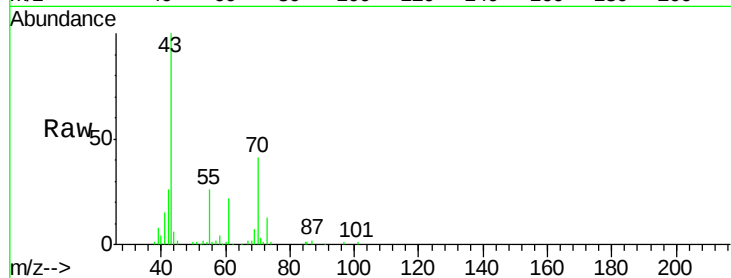




#47
n-amyl Acetate
Concen: 9.105 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

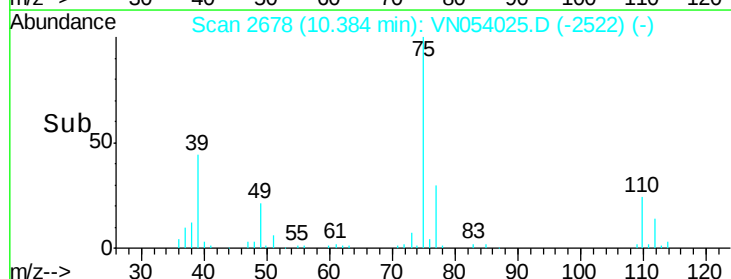
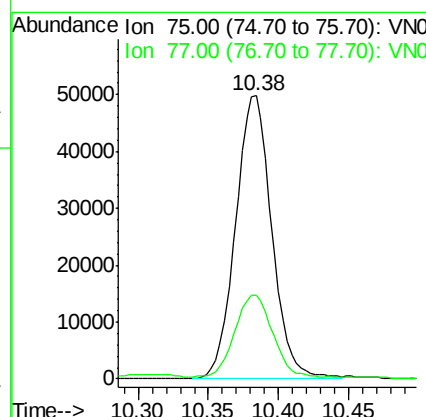
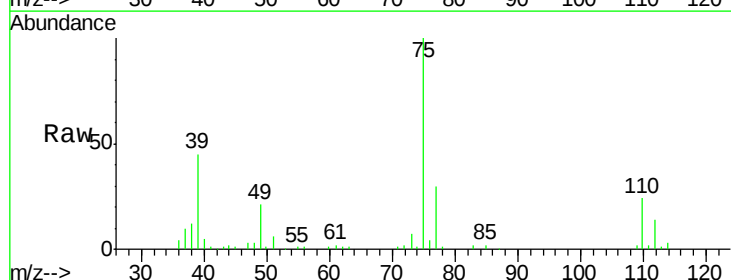
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

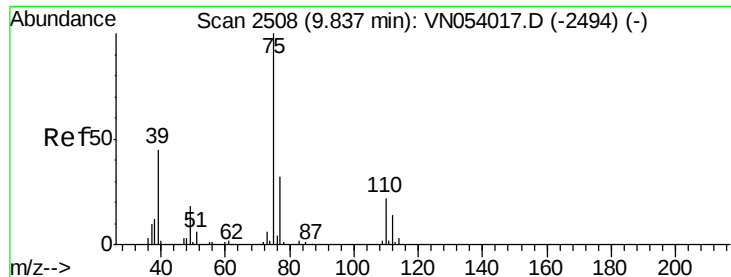
Tot Ion: 43 Resp: 75177
Ion Ratio Lower Upper
43 100
55 25.3 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 9.327 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 75 Resp: 89710
Ion Ratio Lower Upper
75 100
77 28.8 25.6 38.4

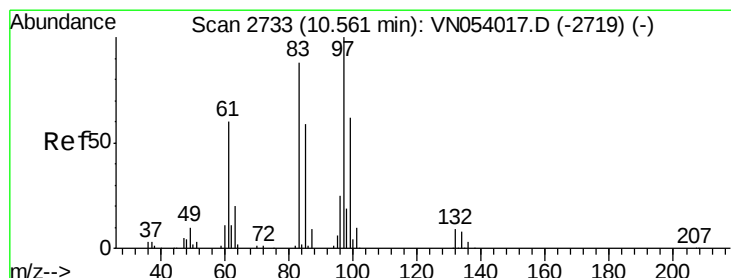
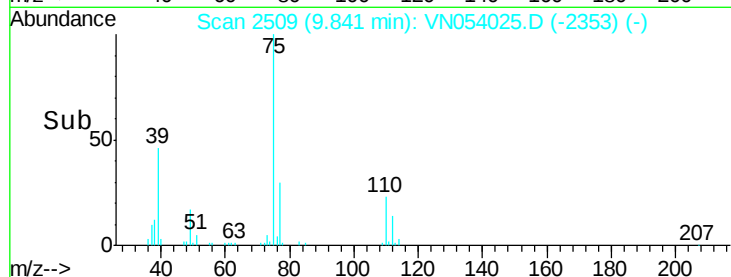
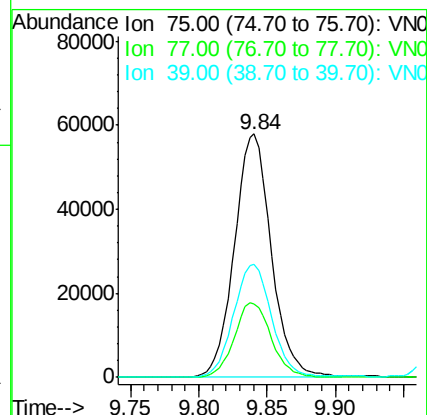
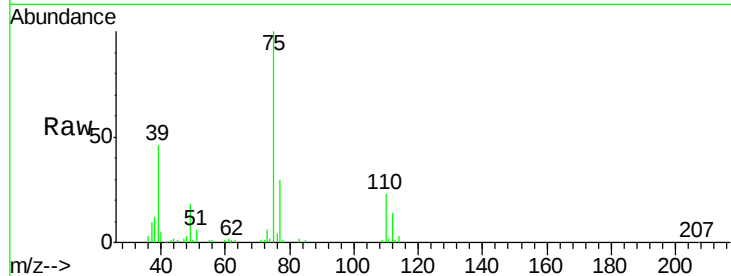




#49
 cis-1,3-Dichloropropene
 Concen: 9.639 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

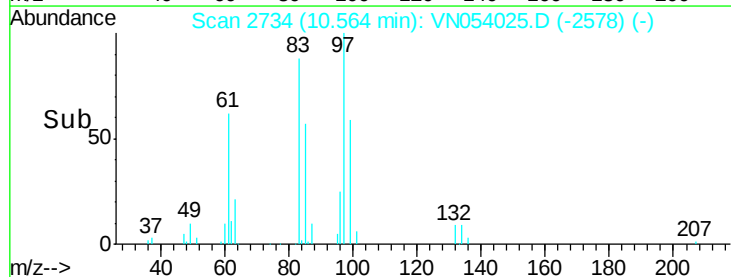
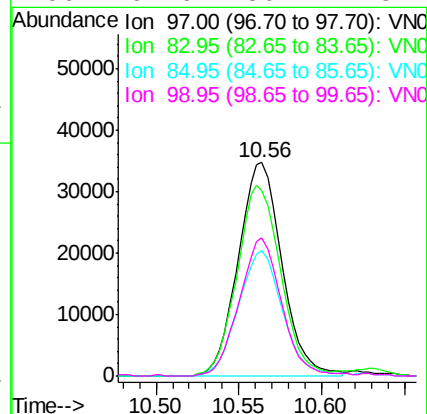
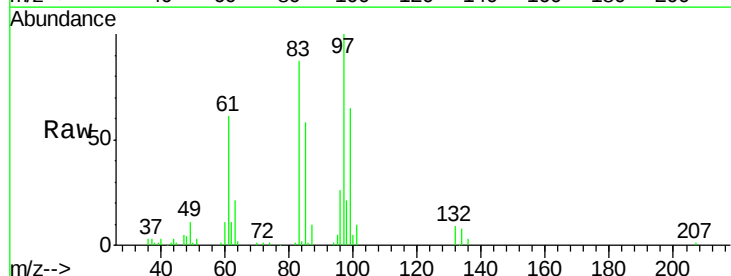
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

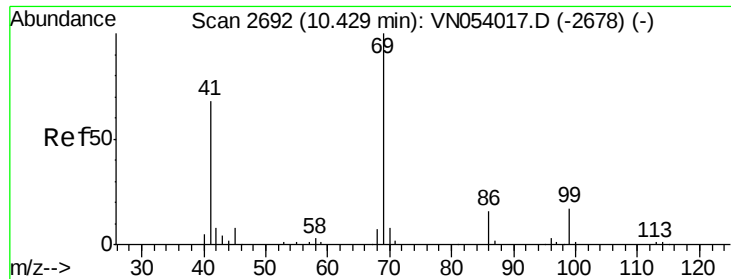
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	46.3	37.3	55.9



#50
 1,1,2-Trichloroethane
 Concen: 10.060 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	58.5	45.0	67.6
99	64.6	50.2	75.2

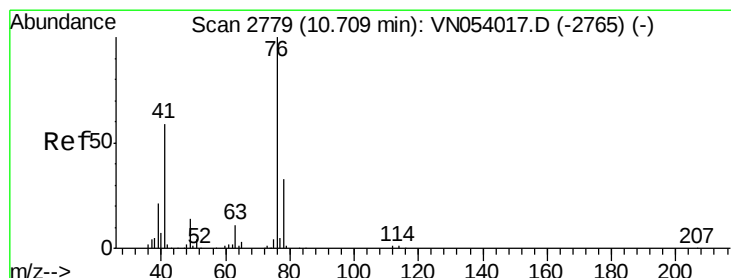
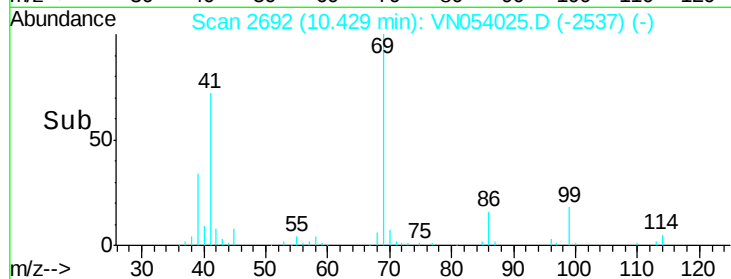
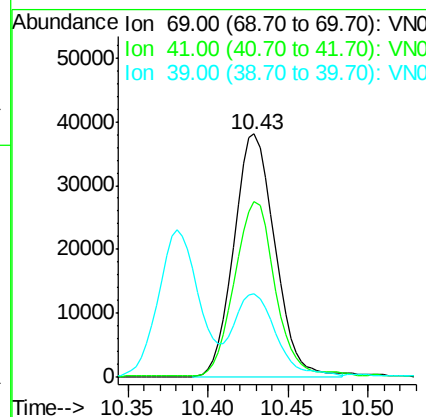
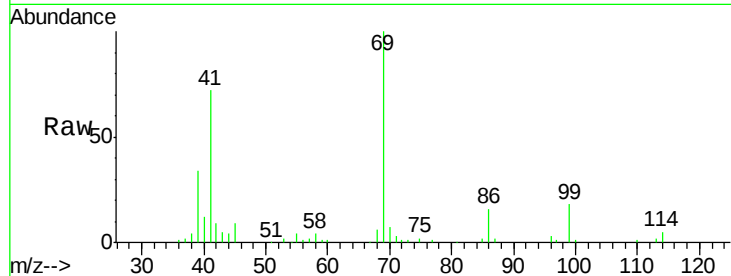




#51
Ethyl methacrylate
Concen: 8.778 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

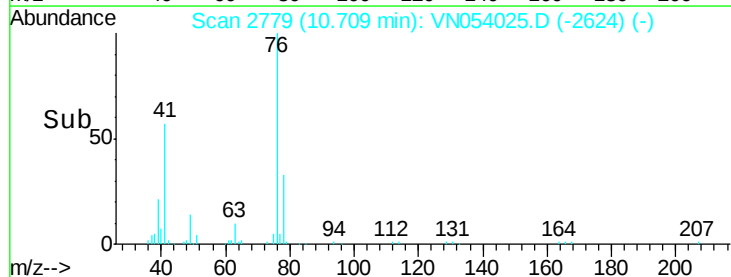
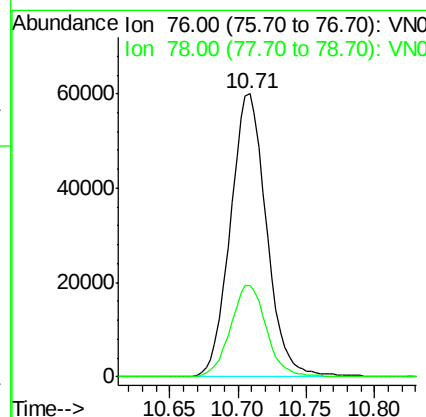
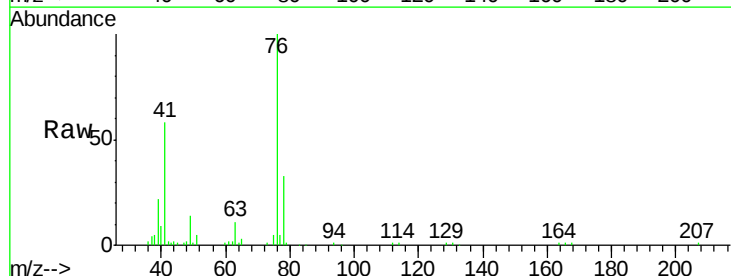
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

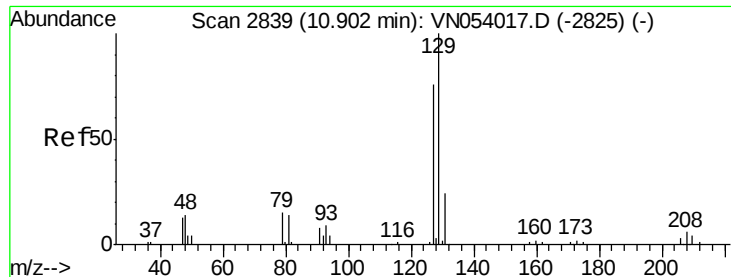
Tot Ion: 69 Resp: 67012
Ion Ratio Lower Upper
69 100
41 71.7 34.4 103.3
39 33.3 16.4 49.2



#52
1,3-Dichloropropane
Concen: 10.151 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 76 Resp: 110485
Ion Ratio Lower Upper
76 100
78 32.2 0.0 64.8

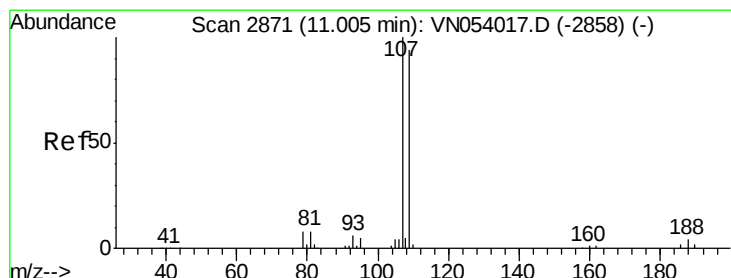
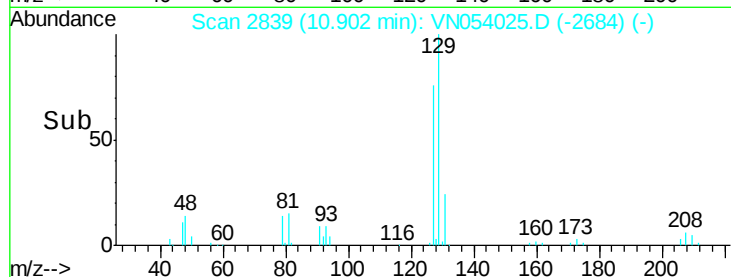
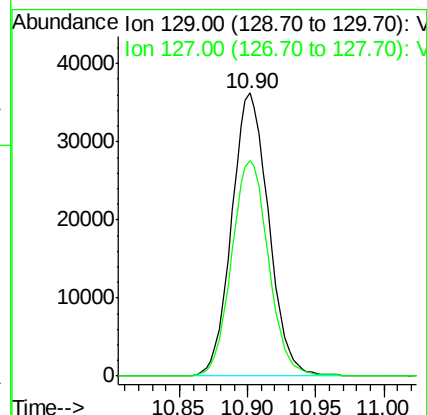
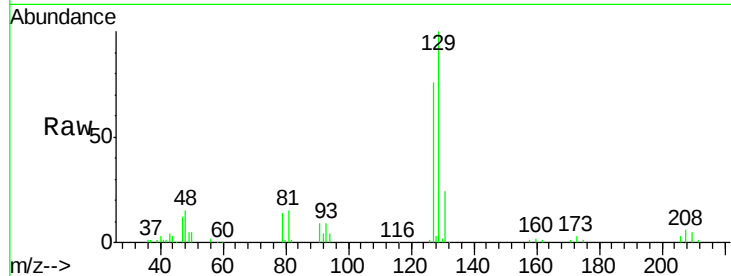




#53
Dibromochloromethane
Concen: 9.801 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

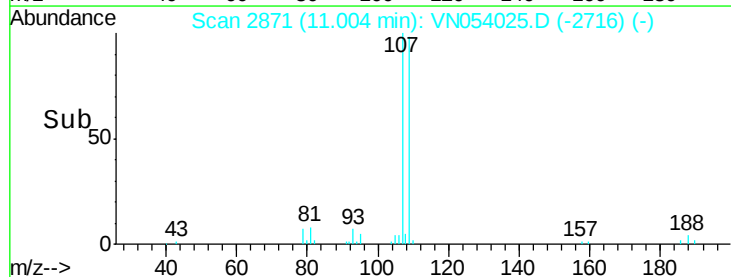
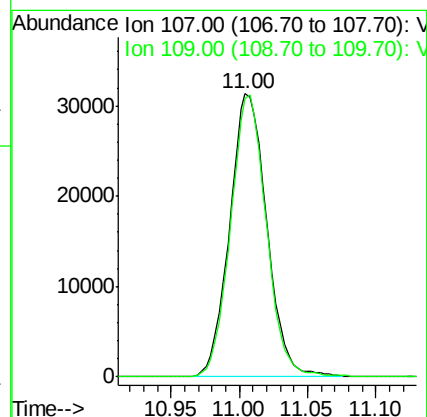
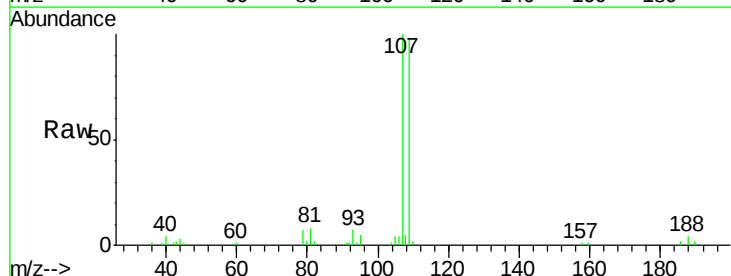
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

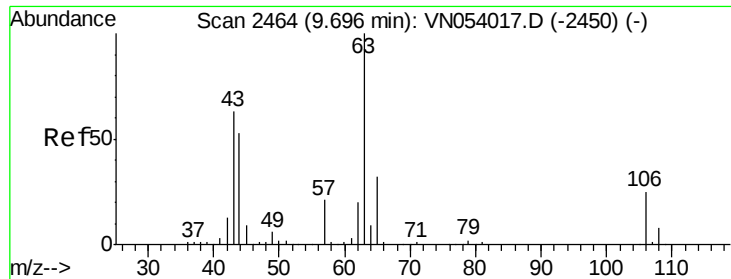
Tot Ion:129 Resp: 68295
Ion Ratio Lower Upper
129 100
127 75.7 37.6 112.8



#54
1,2-Dibromoethane
Concen: 9.820 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion:107 Resp: 59322
Ion Ratio Lower Upper
107 100
109 95.7 77.1 115.7

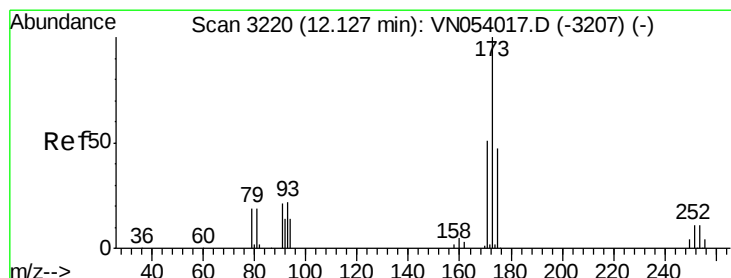
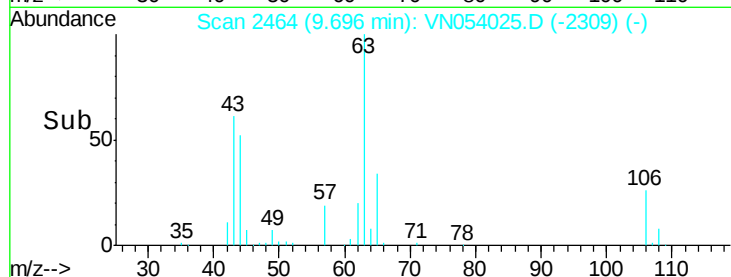
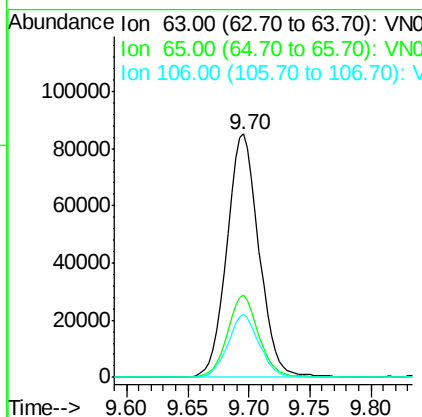
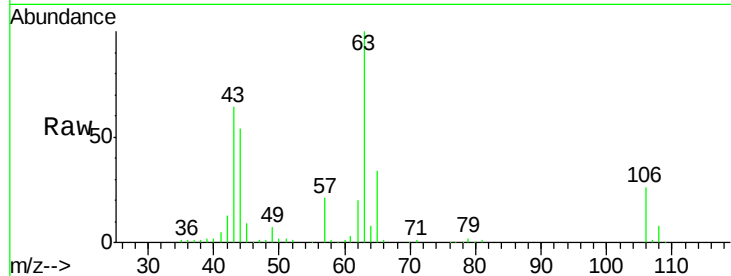




#55
2-Chloroethyl vinyl ether
Concen: 44.210 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

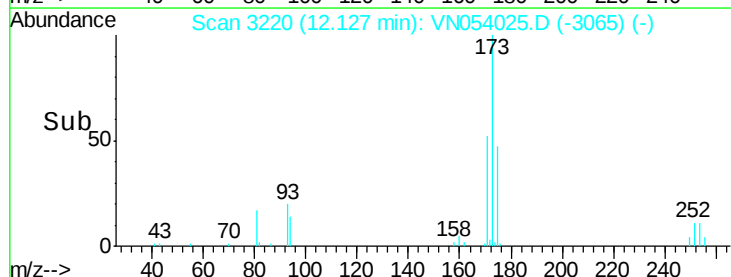
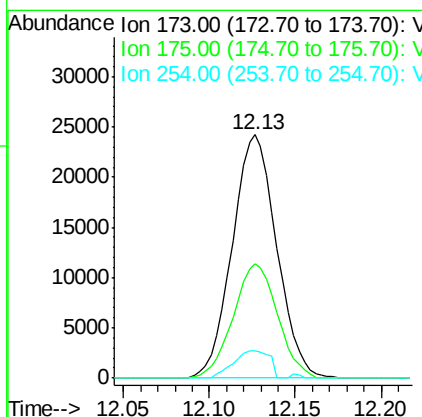
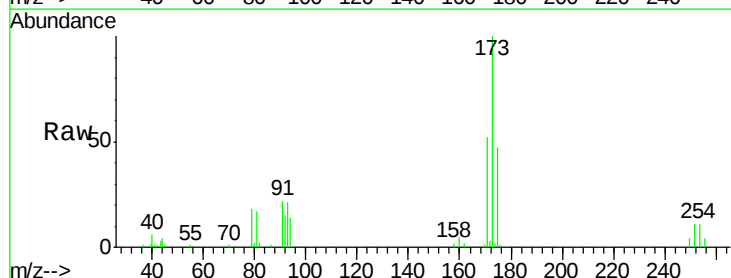
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

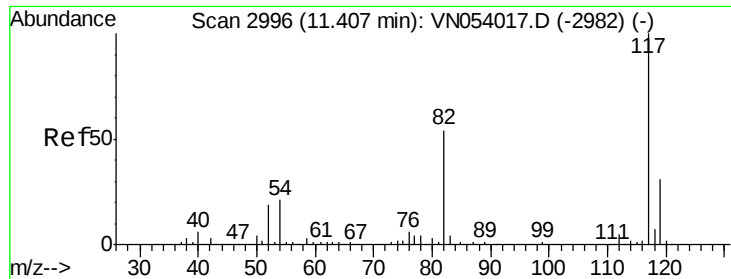
Tot Ion: 63 Resp: 156624
Ion Ratio Lower Upper
63 100
65 32.8 25.4 38.2
106 25.2 20.4 30.6



#56
Bromoform
Concen: 9.383 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 173 Resp: 43413
Ion Ratio Lower Upper
173 100
175 46.8 38.7 58.1
254 9.2 8.4 12.6

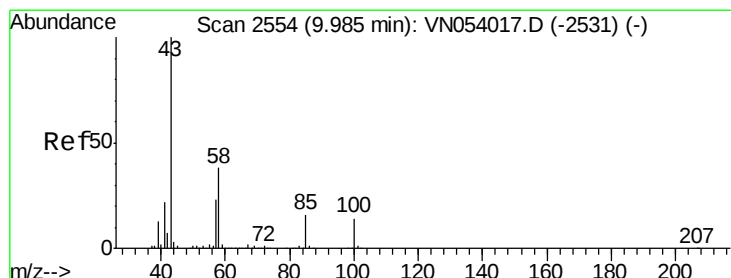
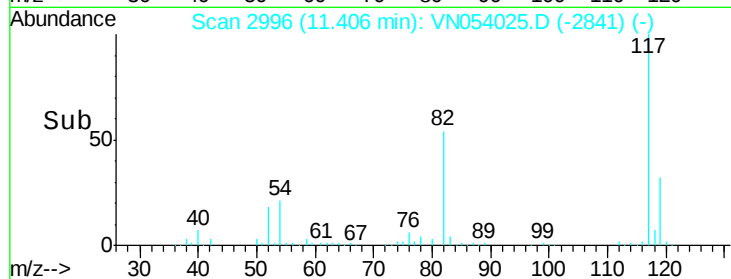
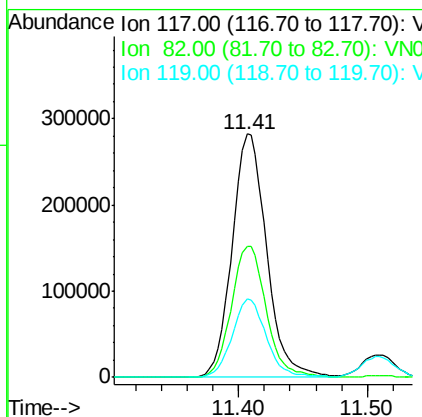
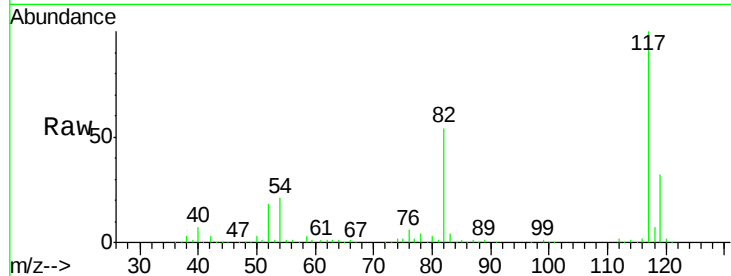




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

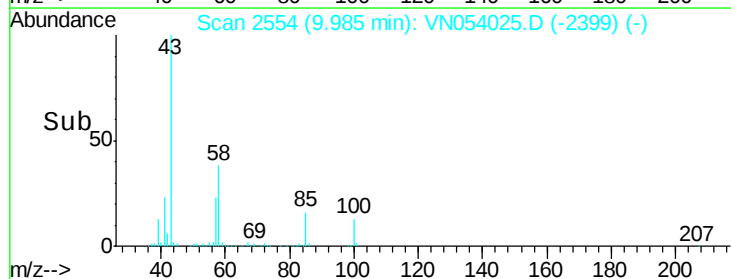
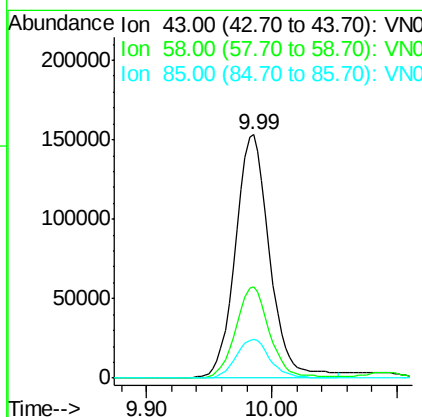
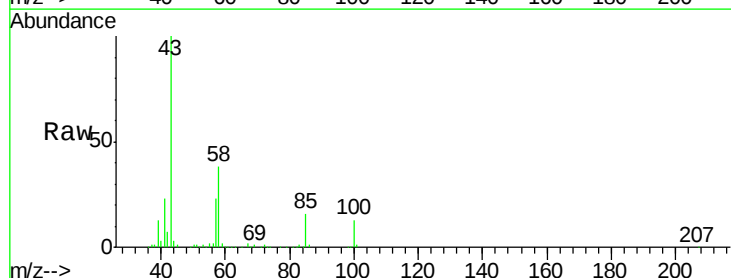
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

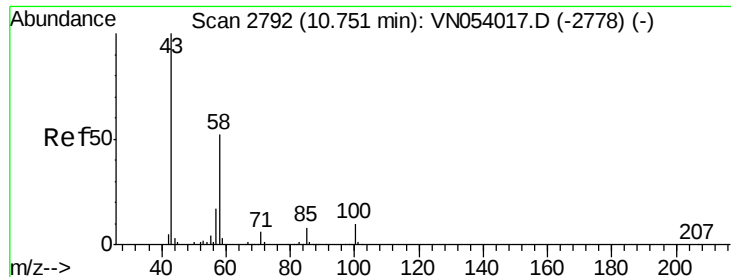
Tot Ion:117 Resp: 525941
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 31.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 48.526 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 43 Resp: 287583
Ion Ratio Lower Upper
43 100
58 36.9 31.6 47.4
85 15.9 13.3 19.9

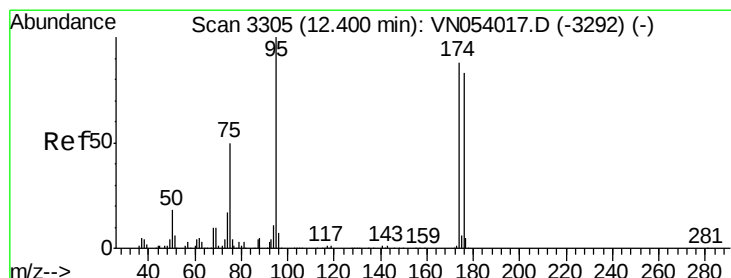
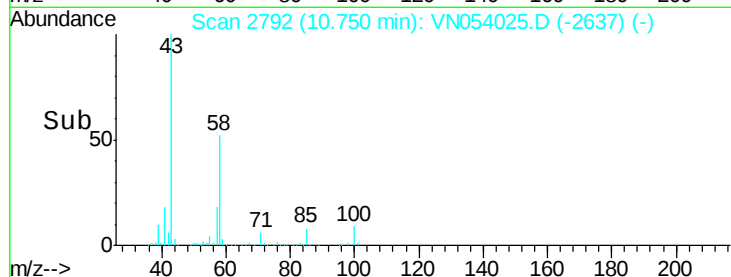
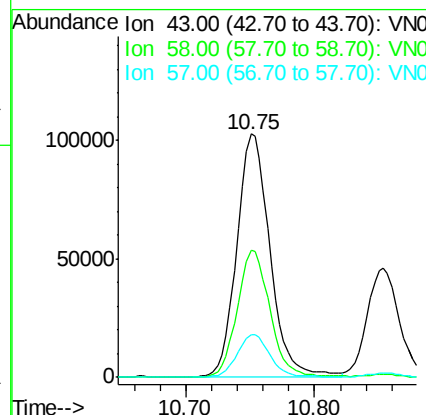
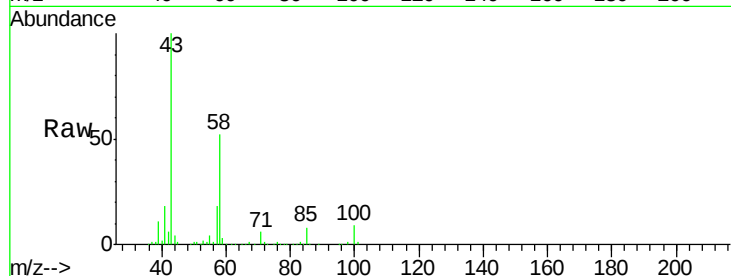




#59
2-Hexanone
Concen: 47.117 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

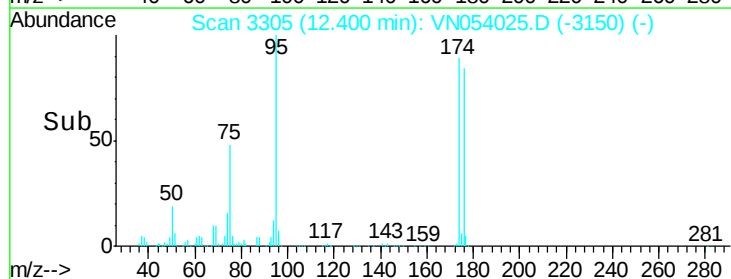
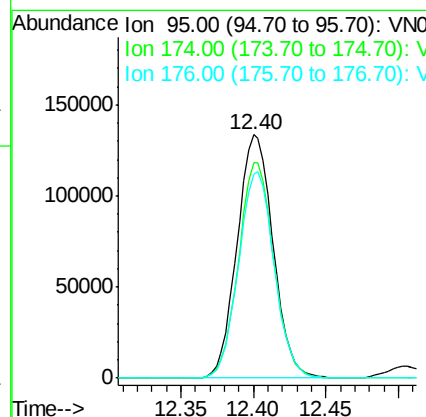
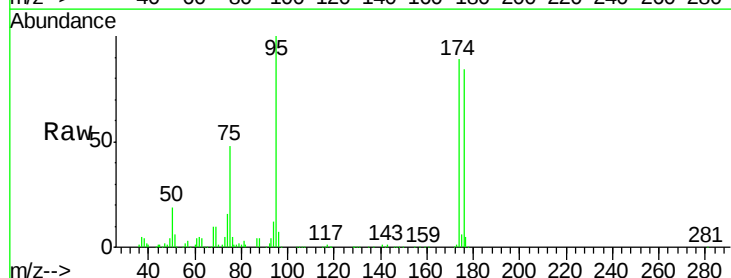
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

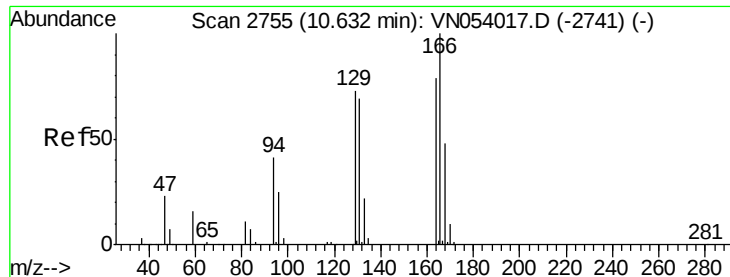
Tot Ion: 43 Resp: 182438
Ion Ratio Lower Upper
43 100
58 51.9 43.2 64.8
57 17.4 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 47.117 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 95 Resp: 230372
Ion Ratio Lower Upper
95 100
174 87.1 67.9 101.9
176 84.0 66.4 99.6

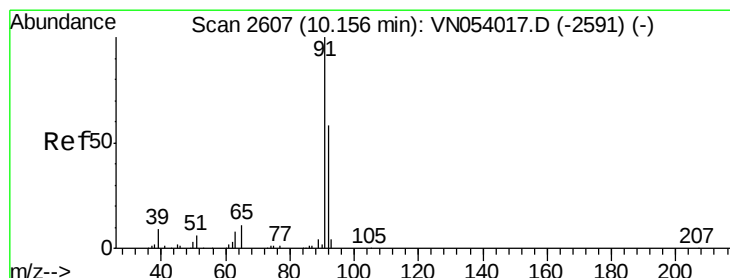
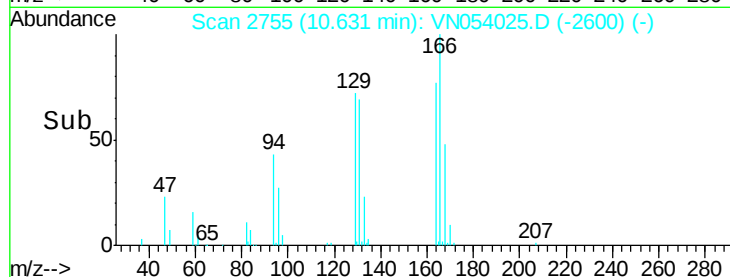
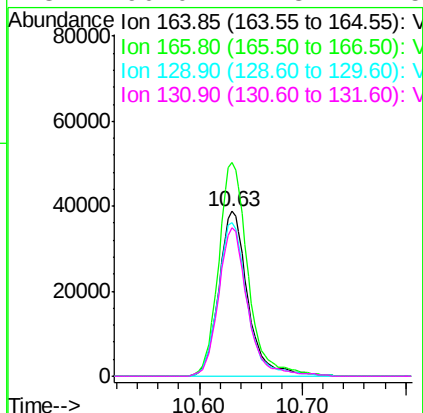
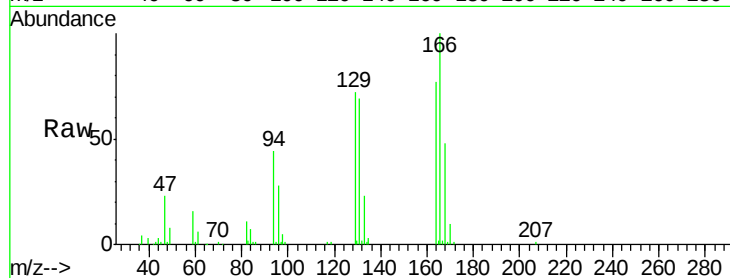




#61
Tetrachloroethene
Concen: 10.398 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

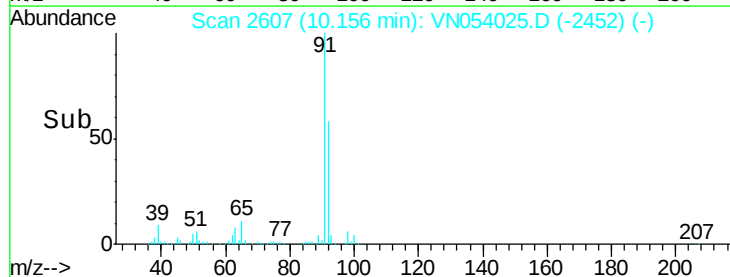
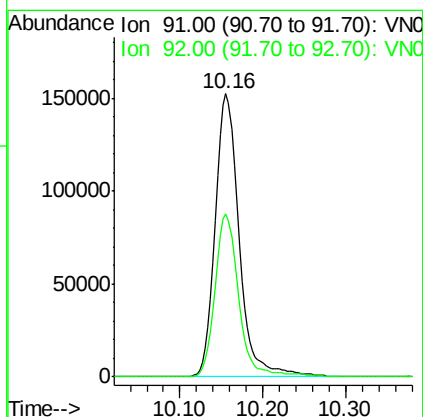
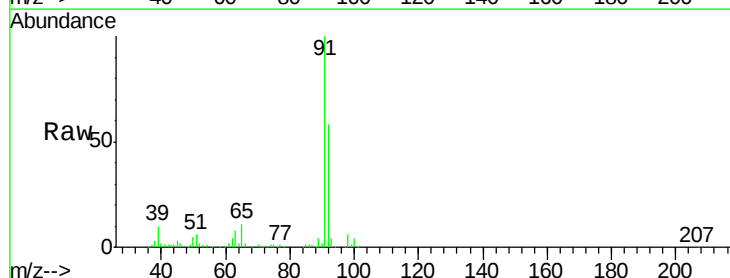
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

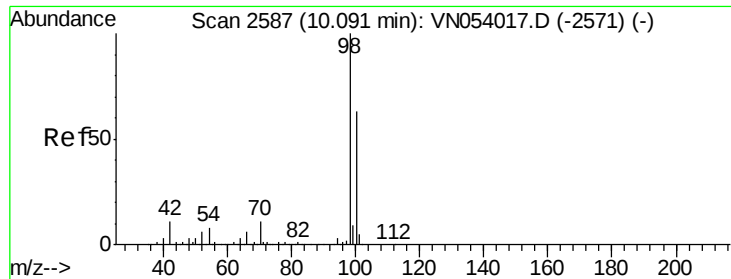
Tot Ion:164 Resp: 76029
Ion Ratio Lower Upper
164 100
166 129.6 104.6 157.0
129 93.5 75.3 112.9
131 90.0 74.3 111.5



#62
Toluene
Concen: 10.404 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 91 Resp: 305800
Ion Ratio Lower Upper
91 100
92 56.7 45.4 68.2





#63

Toluene-d8

Concen: 10.404 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

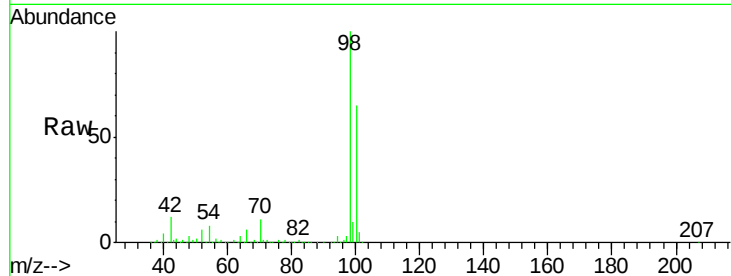
LOQ-WATER-02-QT1-2019

Tot Ion: 98 Resp: 769417

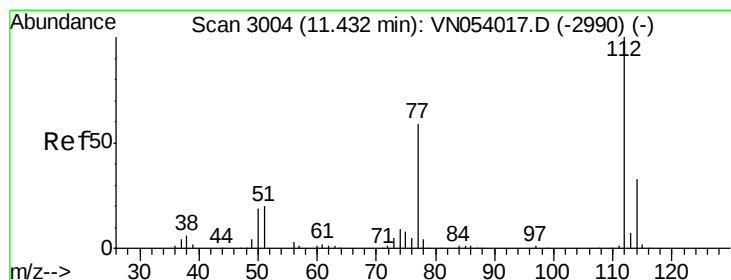
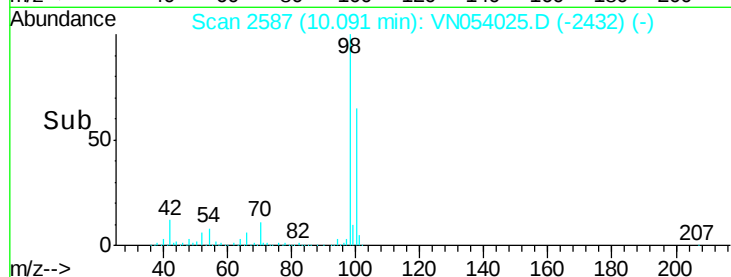
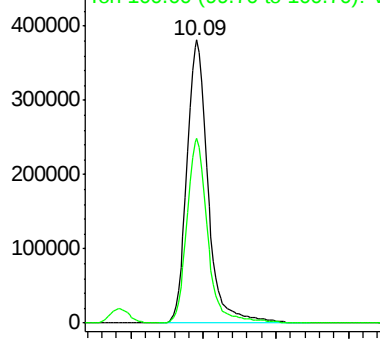
Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054017.D (-2571) (-)



#64

Chlorobenzene

Concen: 10.164 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054025.D

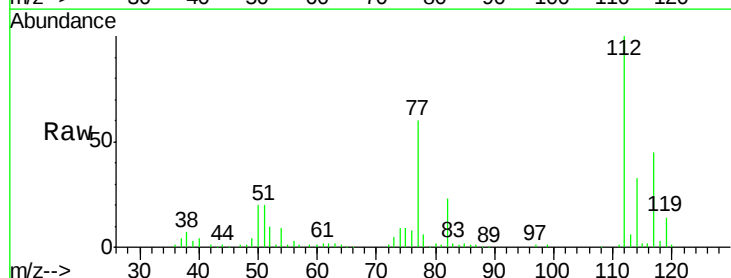
Acq: 1 Mar 2019 13:17

Tgt Ion: 112 Resp: 181920

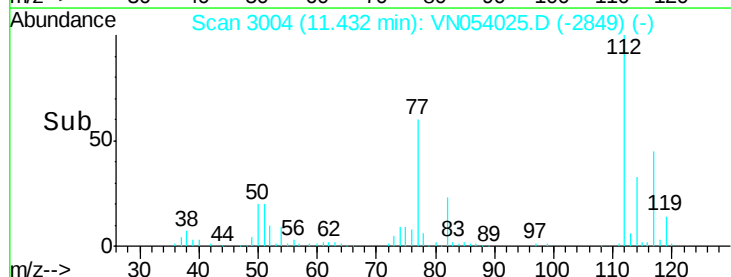
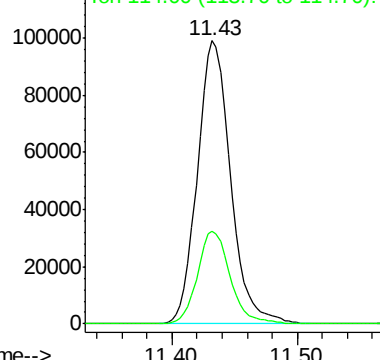
Ion Ratio Lower Upper

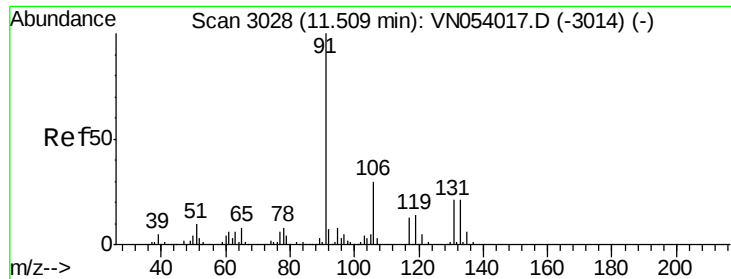
112 100

114 32.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN054017.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 10.515 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

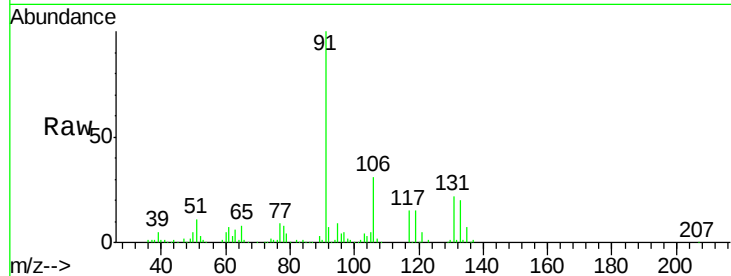
Tot Ion:131 Resp: 69103

Ion Ratio Lower Upper

131 100

133 91.4 0.0 193.4

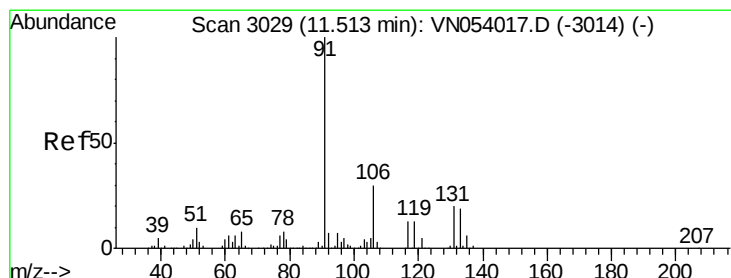
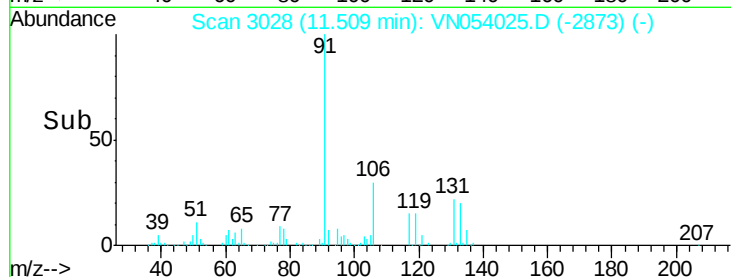
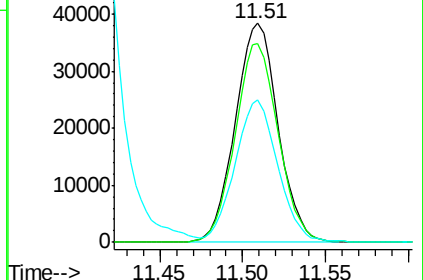
119 64.9 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 9.969 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054025.D

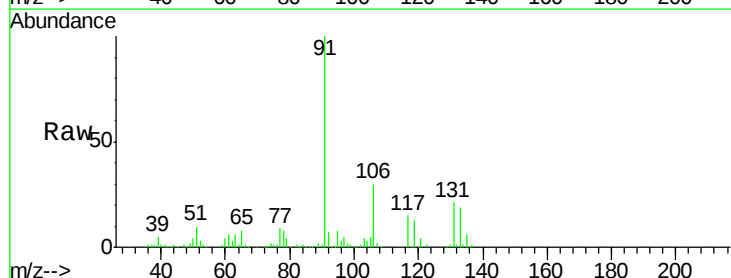
Acq: 1 Mar 2019 13:17

Tgt Ion: 91 Resp: 306278

Ion Ratio Lower Upper

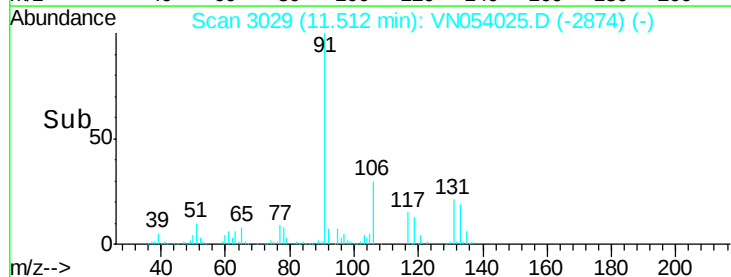
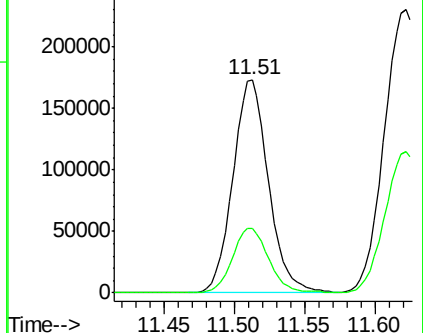
91 100

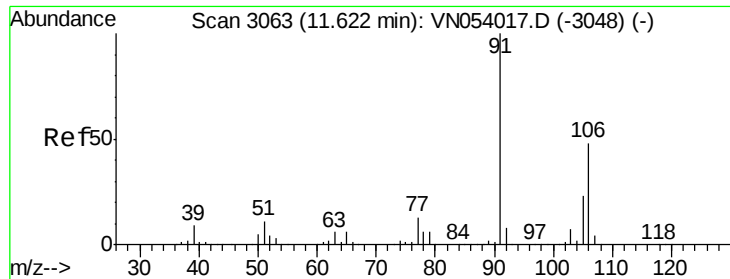
106 30.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

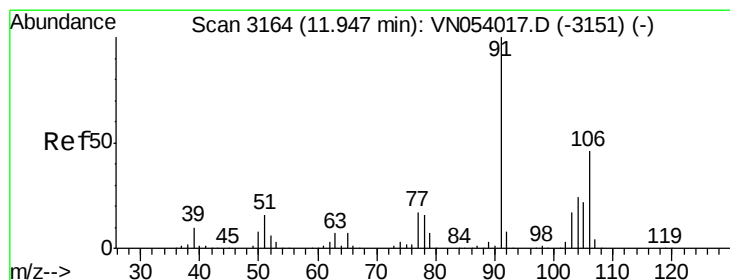
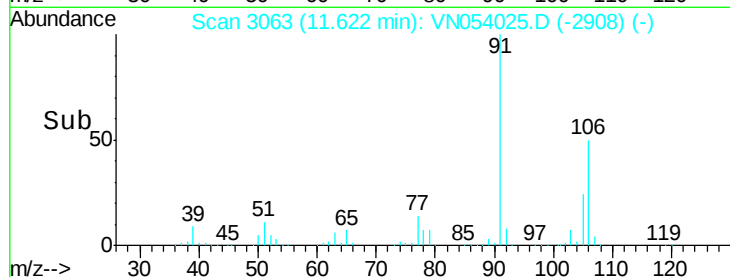
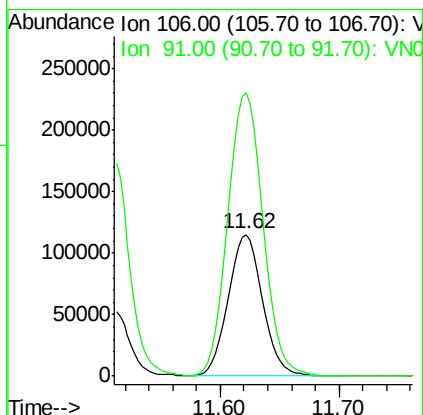
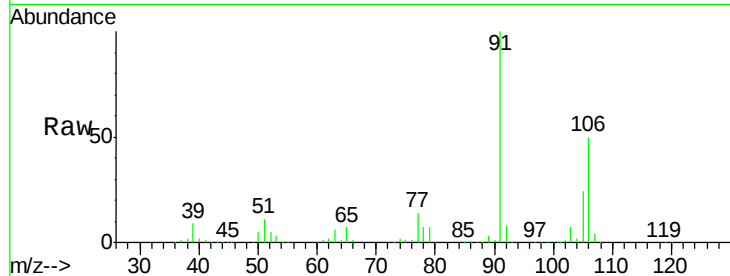




#67
m/p-Xvlenes
Concen: 19.910 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

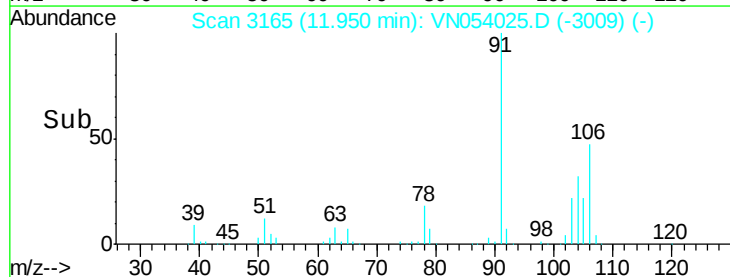
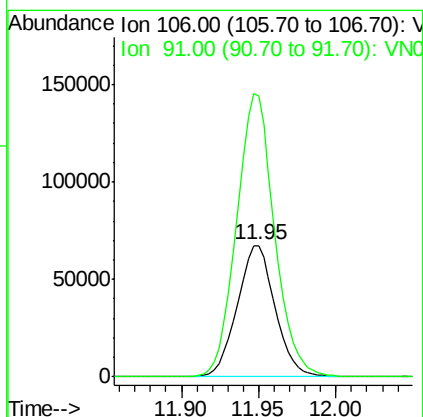
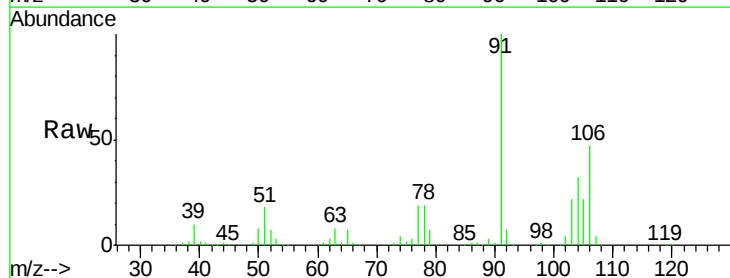
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

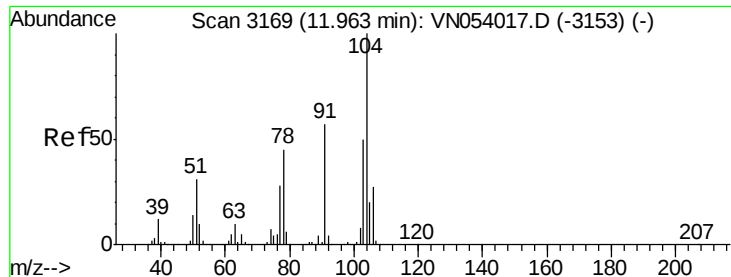
Tot Ion:106 Resp: 230309
Ion Ratio Lower Upper
106 100
91 205.0 163.9 245.9



#68
o-Xylene
Concen: 10.214 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion:106 Resp: 114534
Ion Ratio Lower Upper
106 100
91 216.0 107.8 323.4

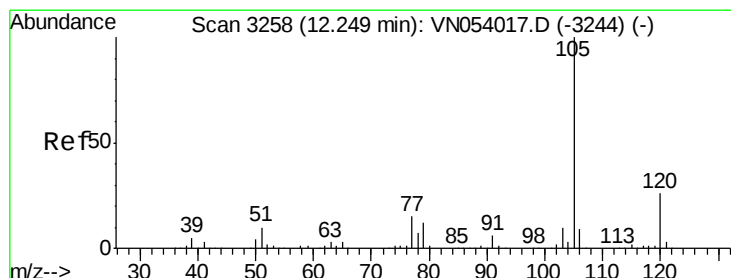
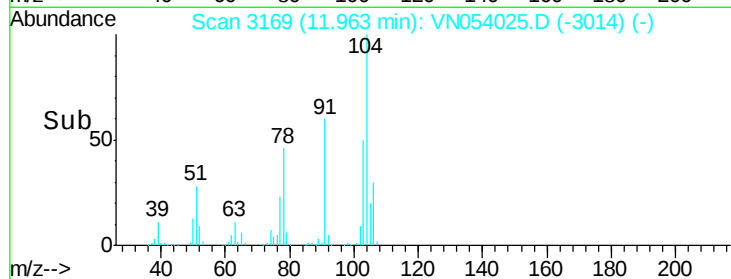
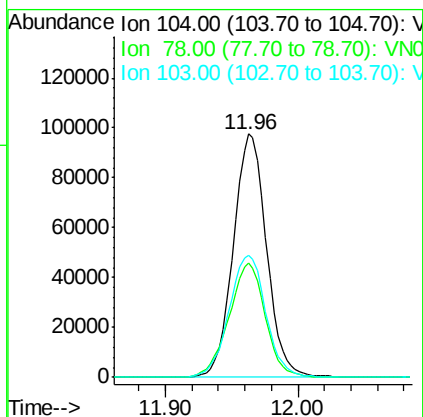
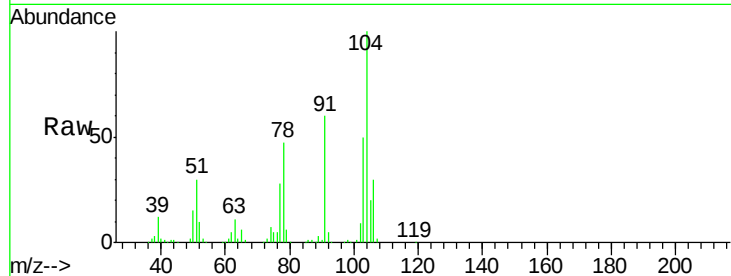




#69
Stvrene
Concen: 9.581 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

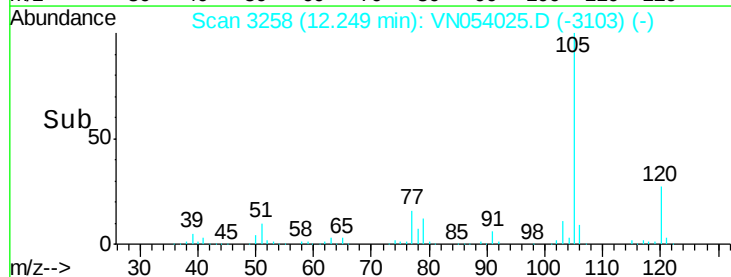
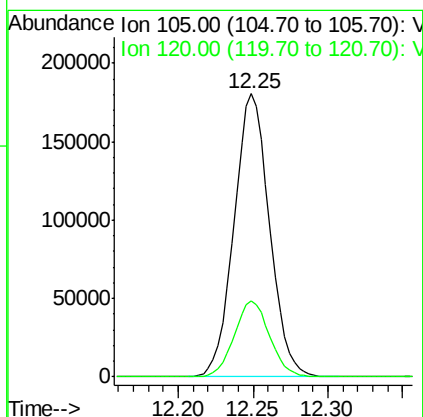
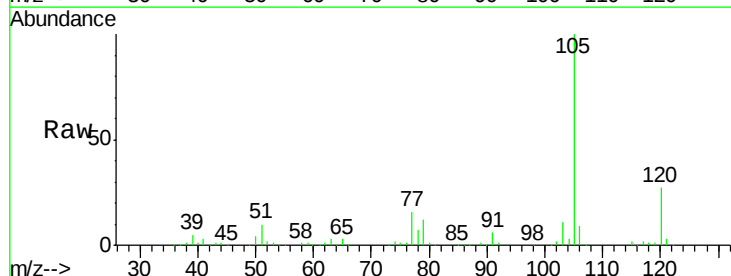
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

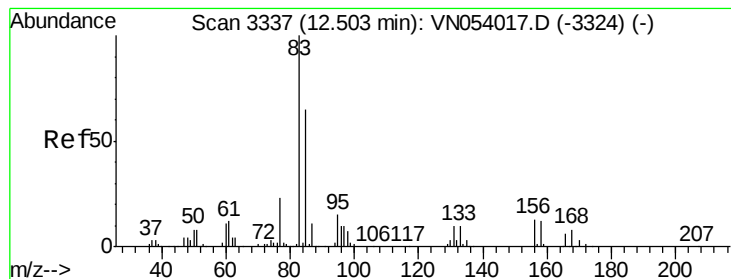
Tot Ion:104 Resp: 170113
Ion Ratio Lower Upper
104 100
78 51.0 39.3 58.9
103 55.6 44.6 66.8



#70
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion:105 Resp: 297828
Ion Ratio Lower Upper
105 100
120 26.9 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 10.204 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

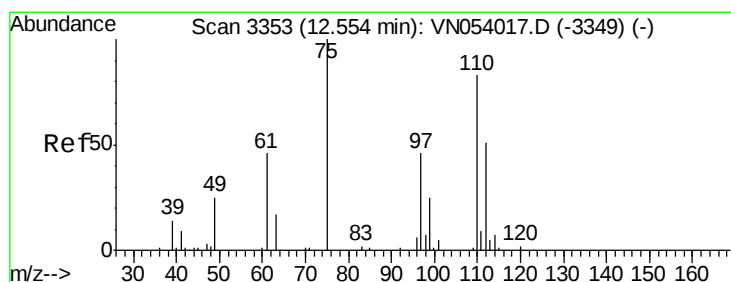
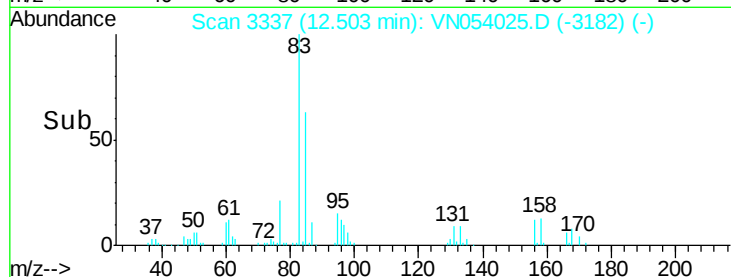
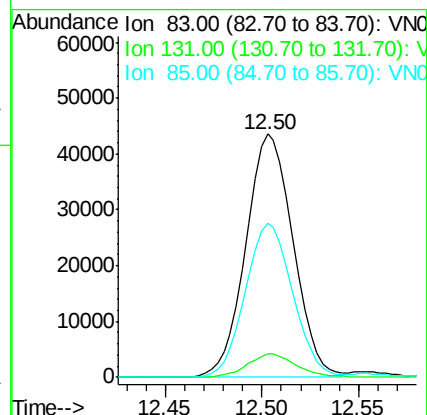
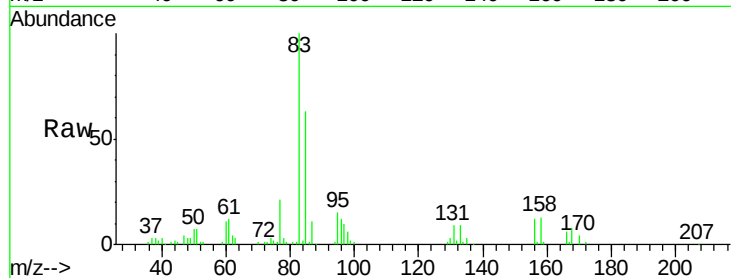
Tot Ion: 83 Resp: 74121

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

85 63.5 32.2 96.6



#72

1,2,3-Trichloropropane

Concen: 15.762 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054025.D

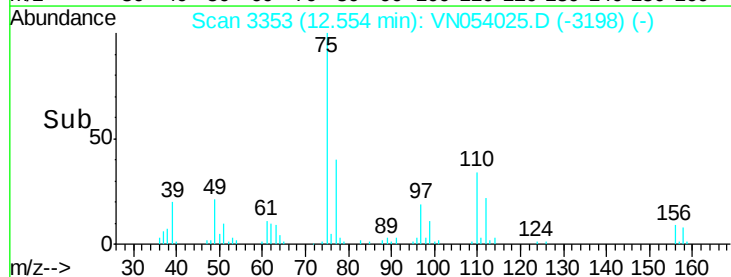
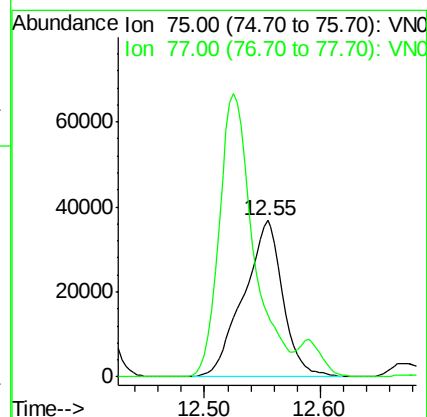
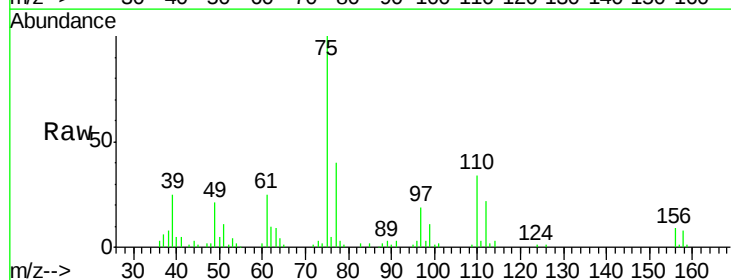
Acq: 1 Mar 2019 13:17

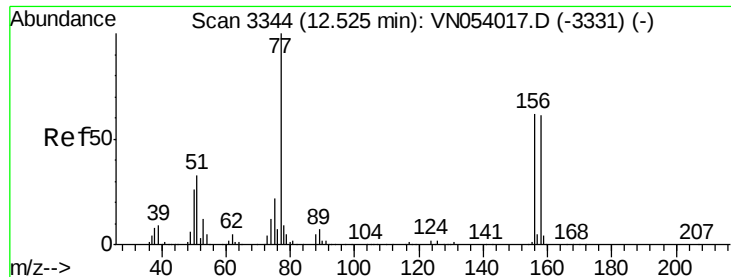
Tgt Ion: 75 Resp: 86939

Ion Ratio Lower Upper

75 100

77 158.2 0.0 514.8





#73

Bromobenzene

Concen: 9.825 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

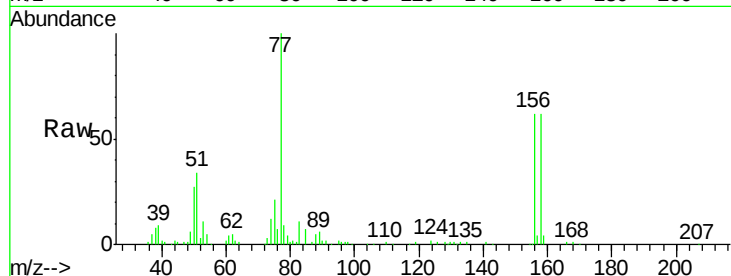
Tot Ion:156 Resp: 72900

Ion Ratio Lower Upper

156 100

77 188.6 0.0 382.6

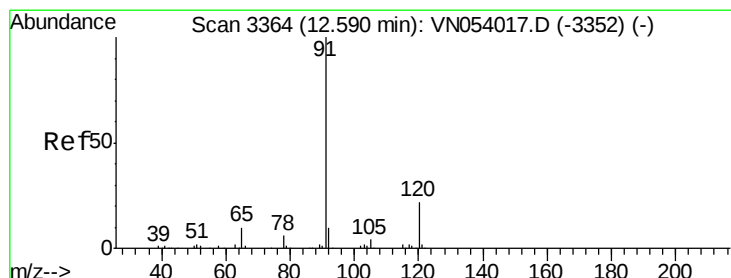
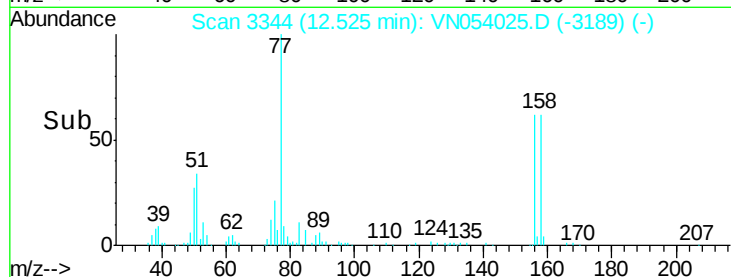
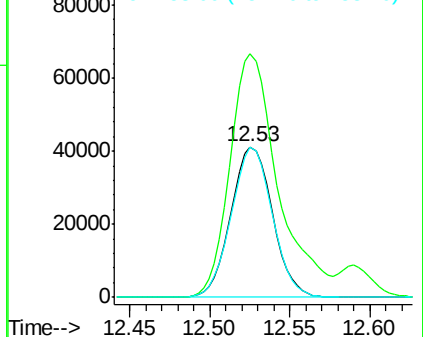
158 98.6 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 9.688 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054025.D

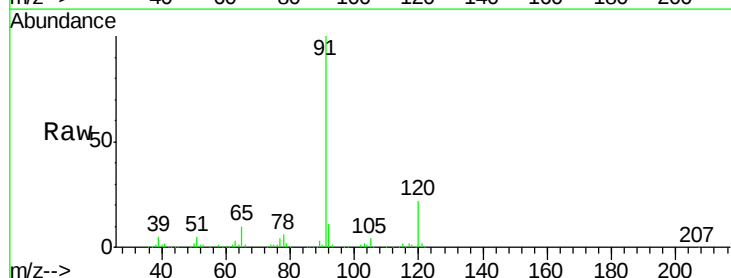
Acq: 1 Mar 2019 13:17

Tgt Ion: 91 Resp: 339538

Ion Ratio Lower Upper

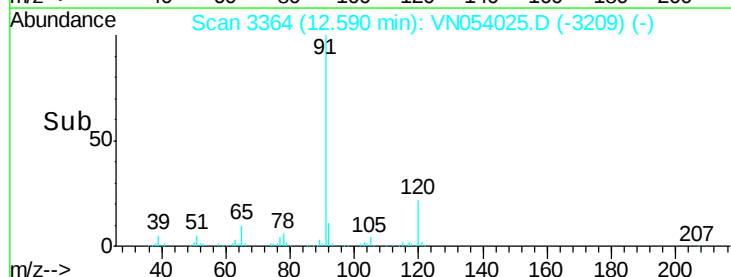
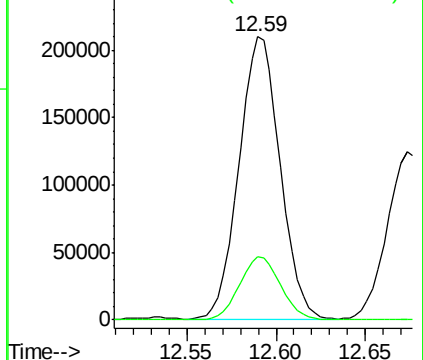
91 100

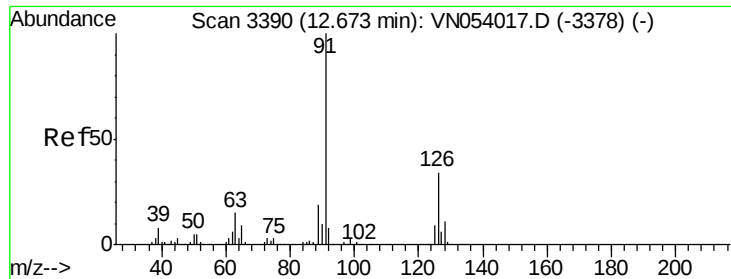
120 22.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 10.241 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

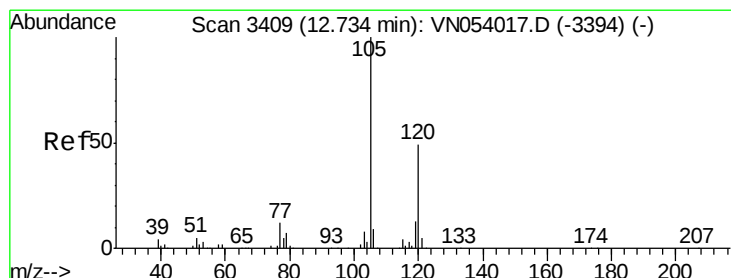
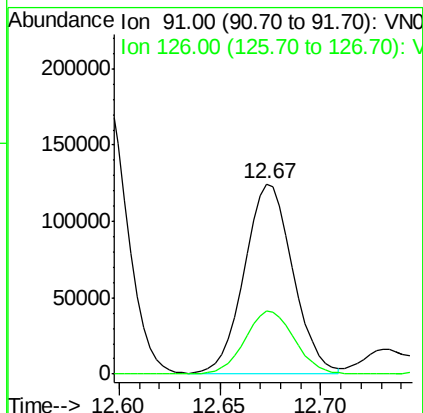
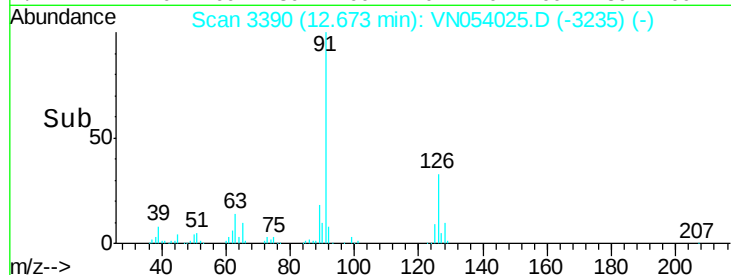
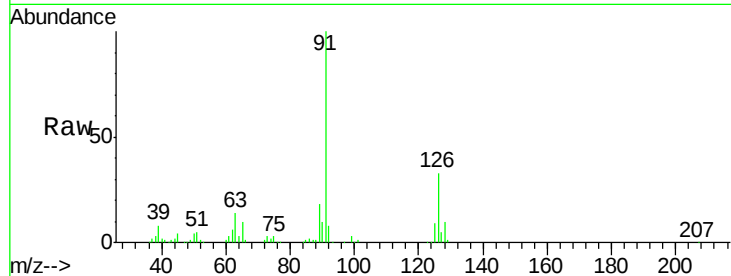
LOQ-WATER-02-QT1-2019

Tot Ion: 91 Resp: 210170

Ion Ratio Lower Upper

91 100

126 33.8 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 10.055 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054025.D

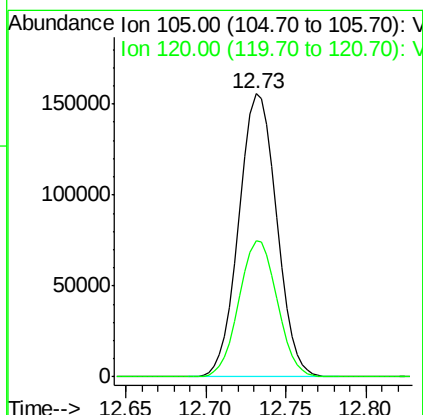
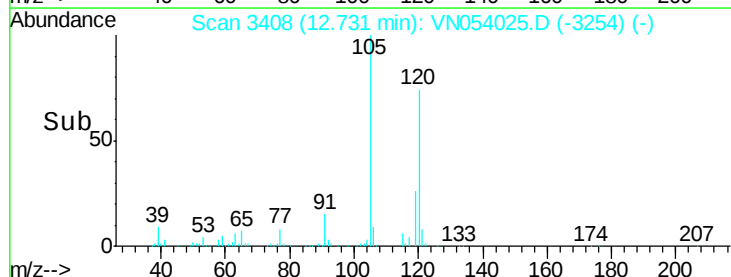
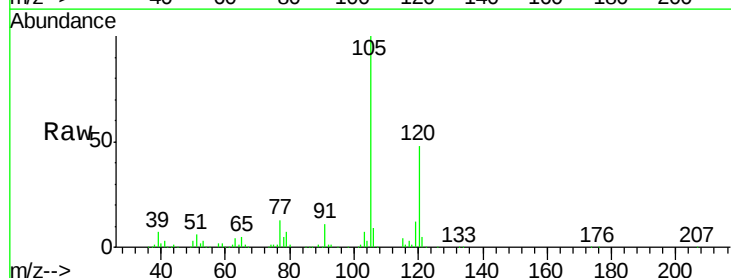
Acq: 1 Mar 2019 13:17

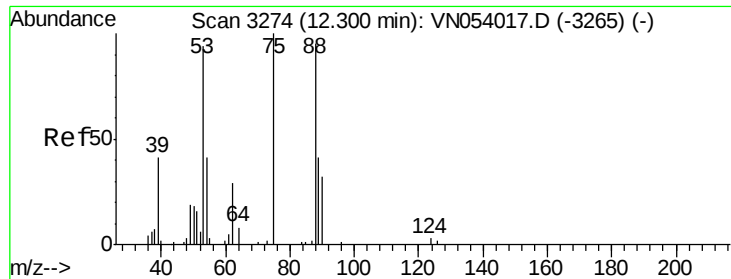
Tgt Ion: 105 Resp: 250675

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 8.491 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

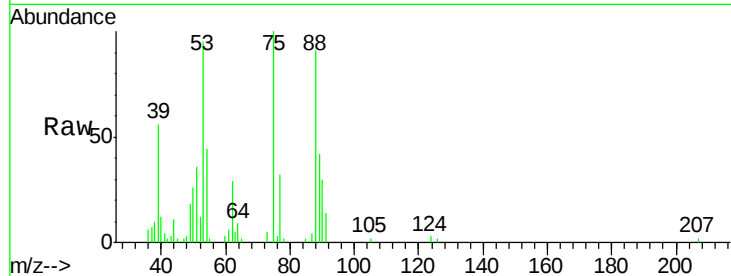
Tot Ion: 75 Resp: 16666

Ion Ratio Lower Upper

75 100

53 94.6 48.5 145.6

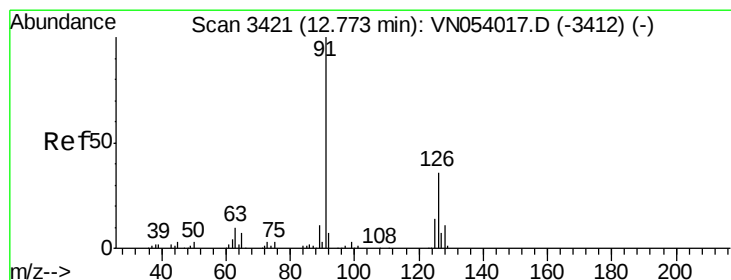
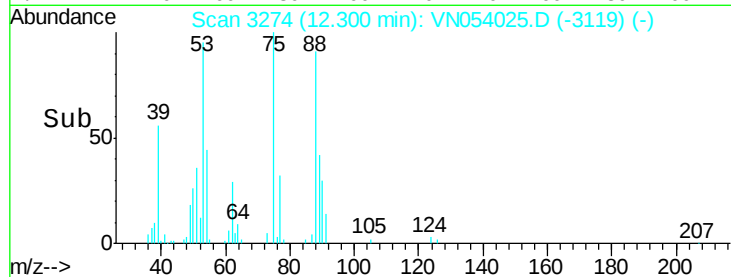
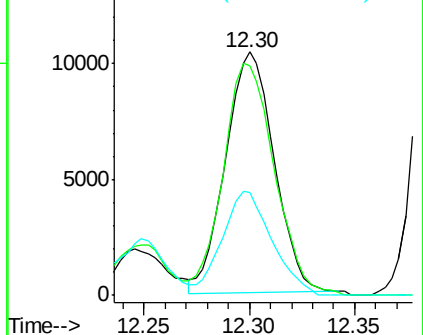
89 42.7 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 9.619 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054025.D

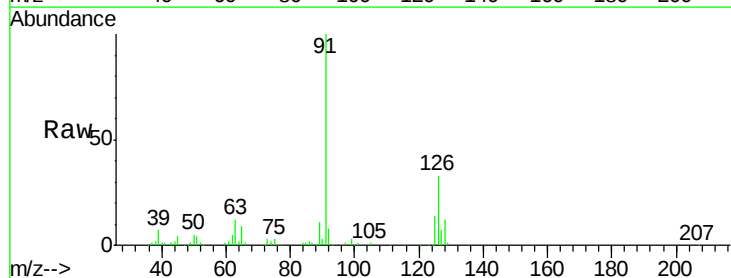
Acq: 1 Mar 2019 13:17

Tgt Ion: 91 Resp: 197530

Ion Ratio Lower Upper

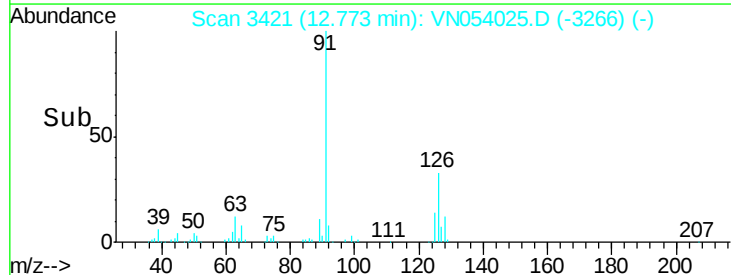
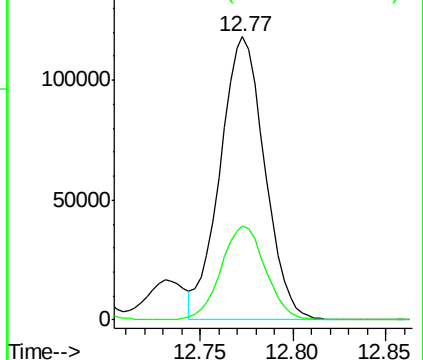
91 100

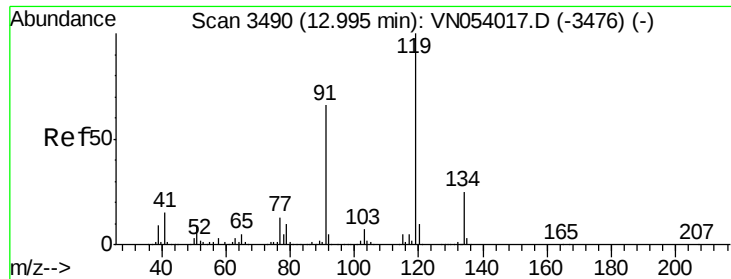
126 33.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

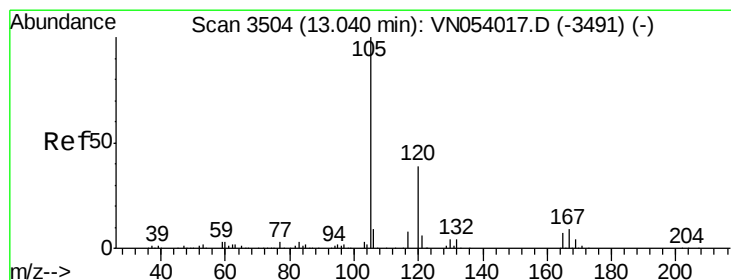
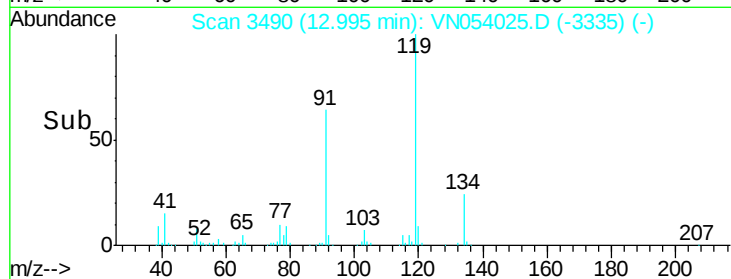
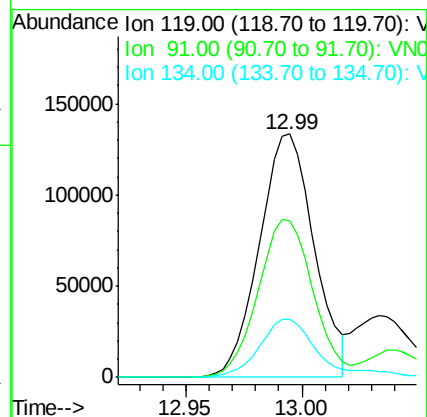
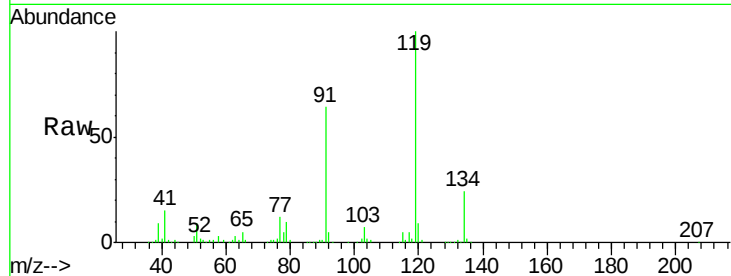




#79
tert-butylbenzene
Concen: 10.062 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

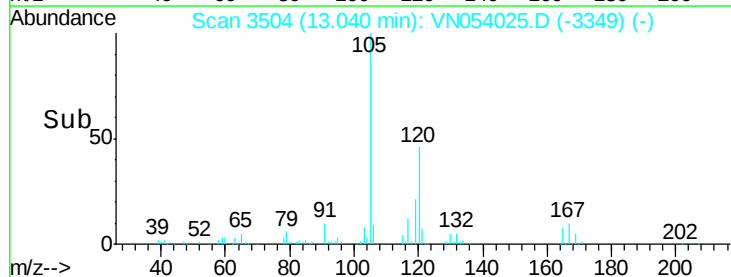
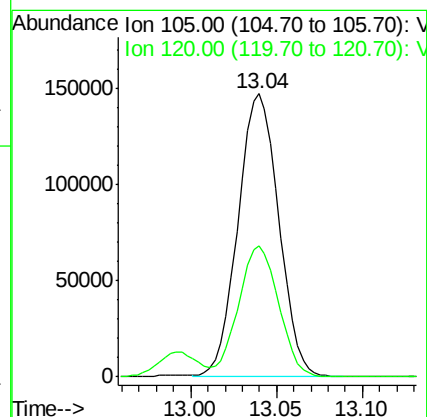
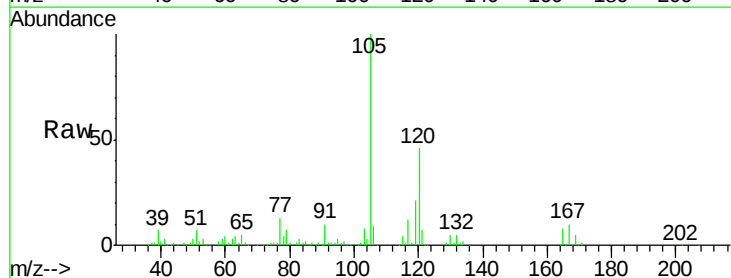
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

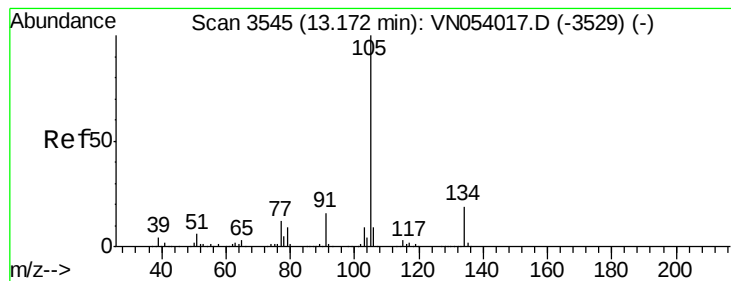
Tot Ion:119 Resp: 219806
Ion Ratio Lower Upper
119 100
91 65.1 0.0 129.8
134 25.9 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 9.729 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion:105 Resp: 241402
Ion Ratio Lower Upper
105 100
120 45.8 0.0 91.0





#81

sec-Butylbenzene

Concen: 9.964 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

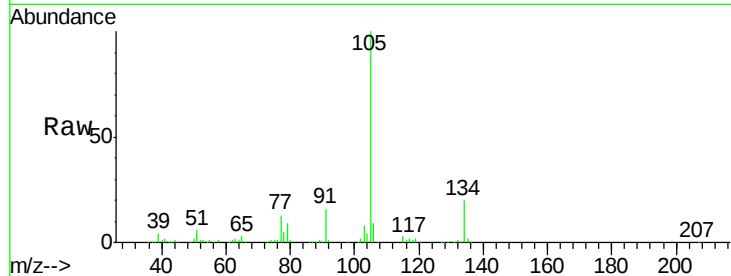
LOQ-WATER-02-QT1-2019

Tot Ion:105 Resp: 298527

Ion Ratio Lower Upper

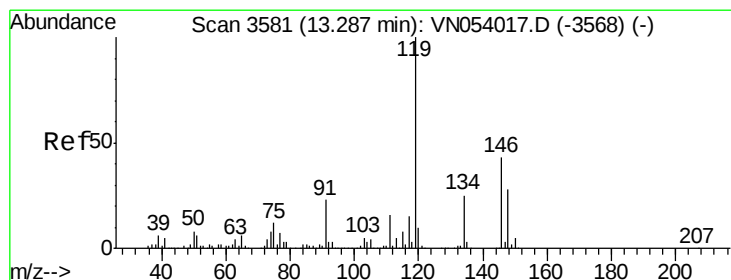
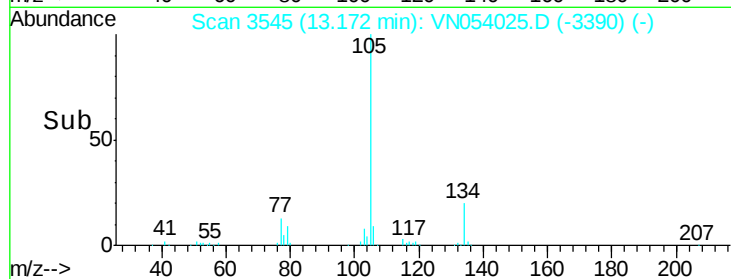
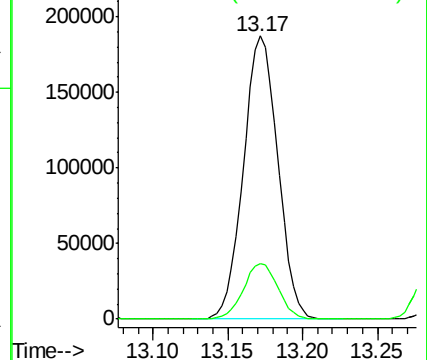
105 100

134 19.9 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 9.662 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

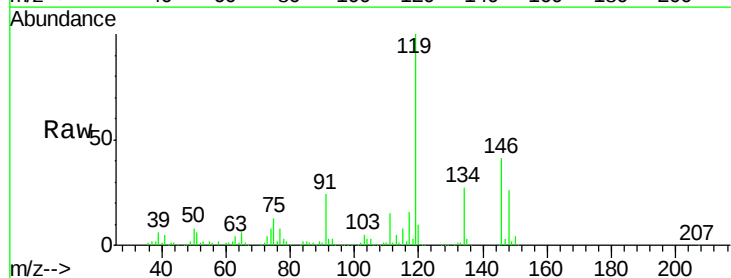
Tgt Ion:119 Resp: 247173

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.6

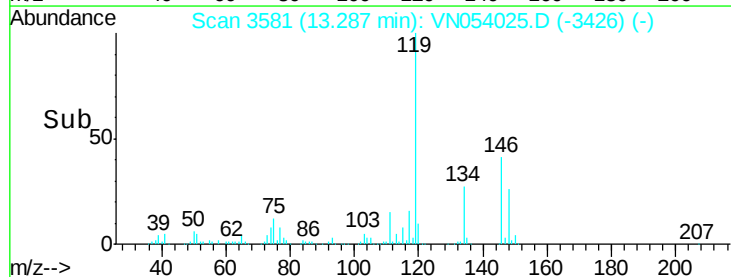
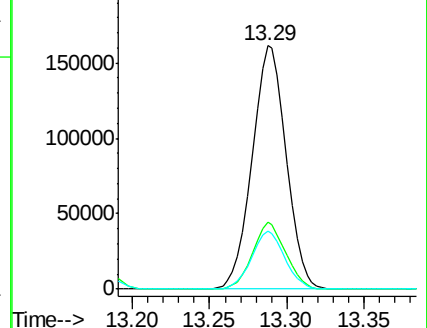
91 23.2 0.0 46.2

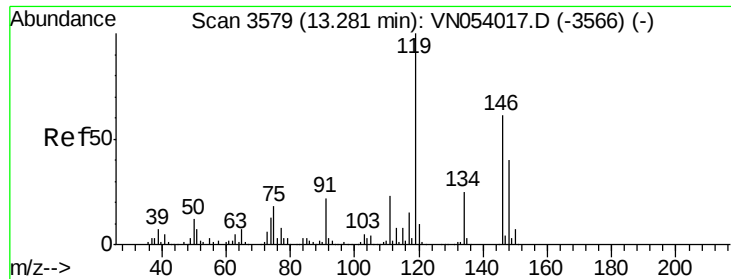


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

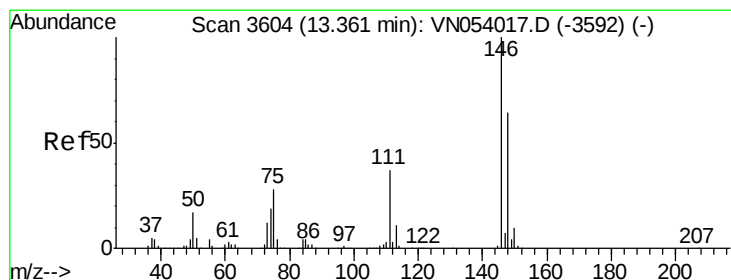
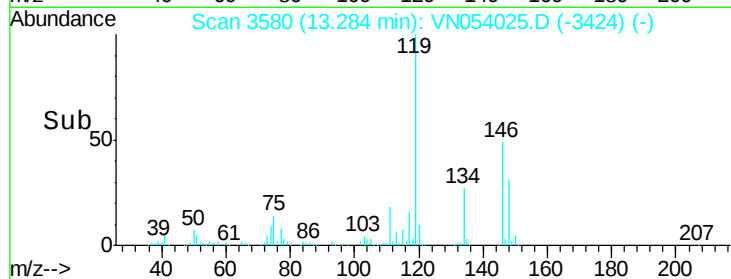
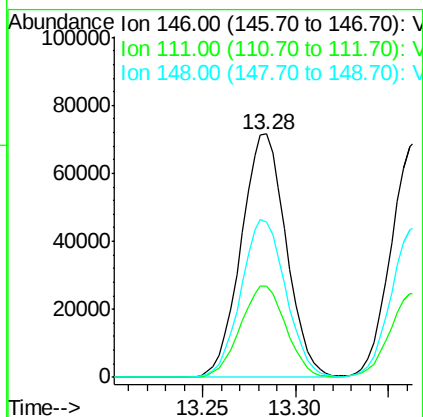
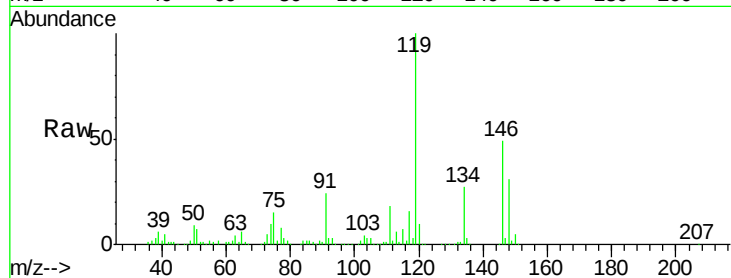




#83
 1,3-Dichlorobenzene
 Concen: 9.276 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

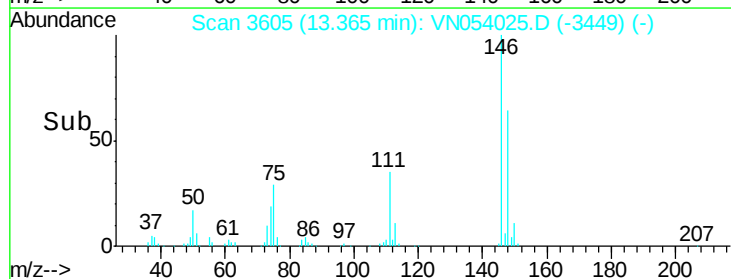
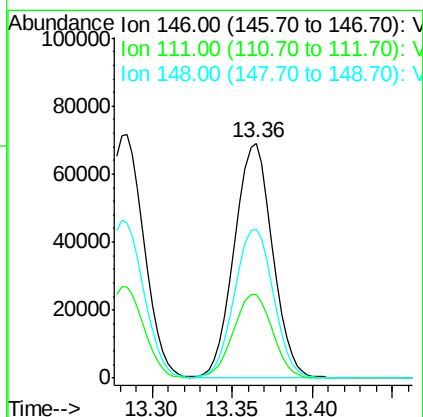
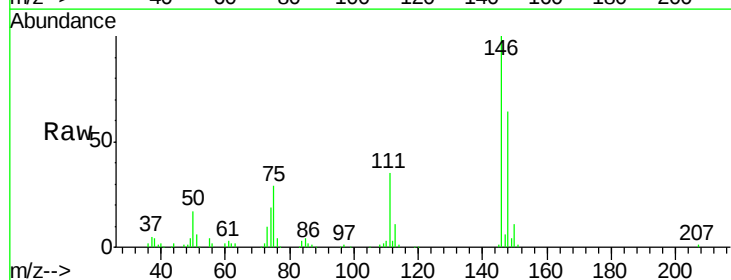
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

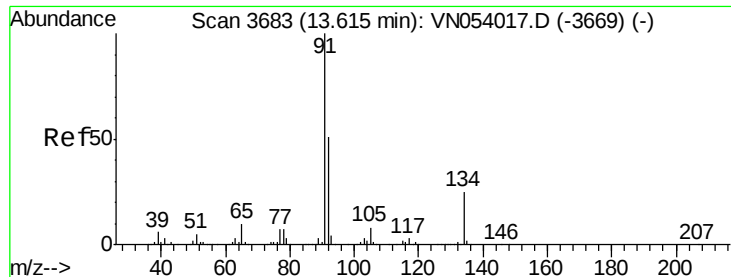
Tot Ion:146 Resp: 121399
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.7 59.0
 148 64.4 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 9.026 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion:146 Resp: 112787
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.8 56.3
 148 64.6 32.5 97.4

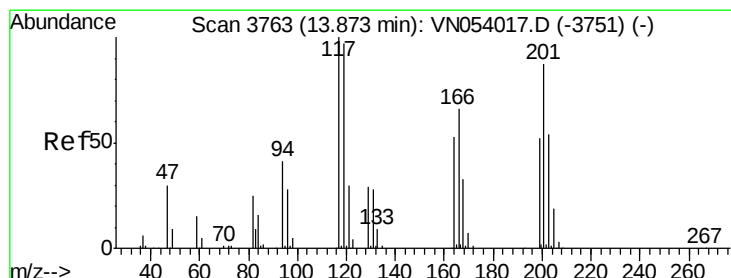
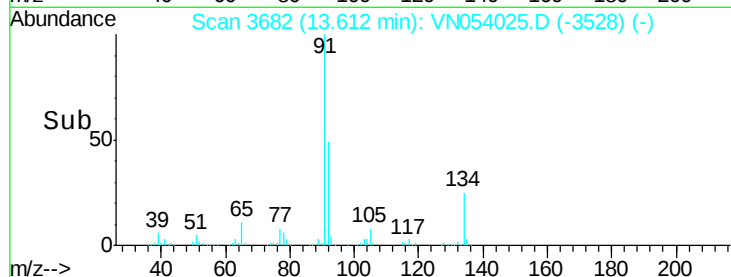
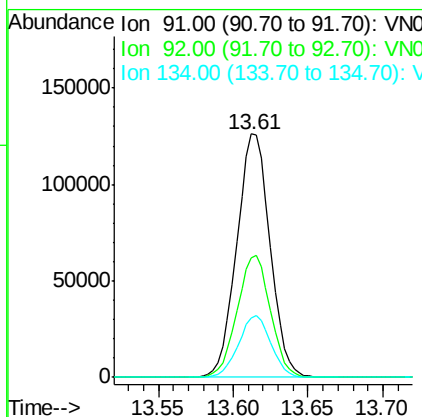
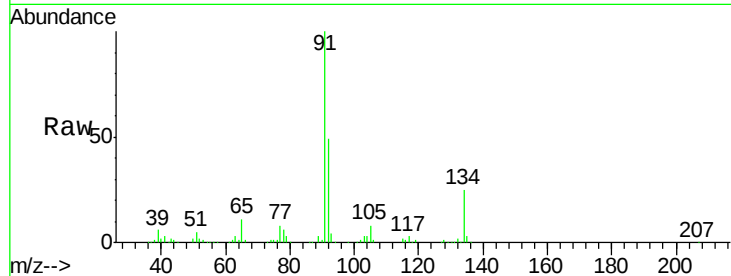




#85
n-Butylbenzene
Concen: 8.786 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

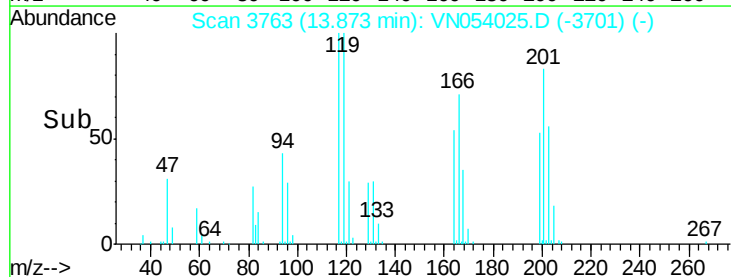
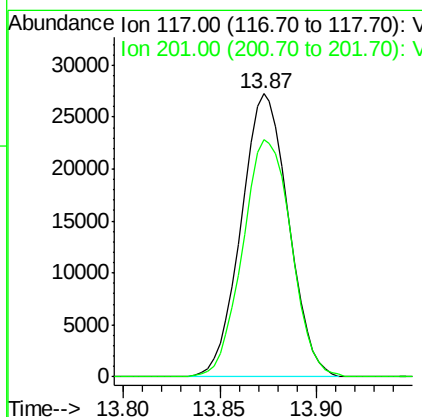
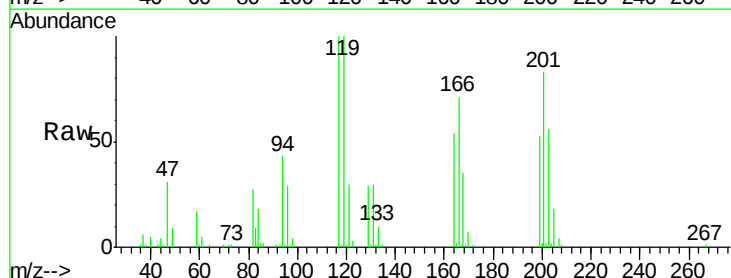
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

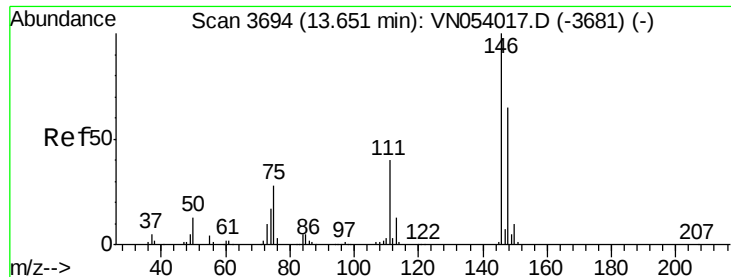
Tot Ion: 91 Resp: 195893
Ion Ratio Lower Upper
91 100
92 50.0 0.0 104.2
134 24.7 0.0 50.6



#86
Hexachloroethane
Concen: 9.703 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 117 Resp: 46409
Ion Ratio Lower Upper
117 100
201 86.0 43.8 131.3





#87

1,2-Dichlorobenzene

Concen: 9.610 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

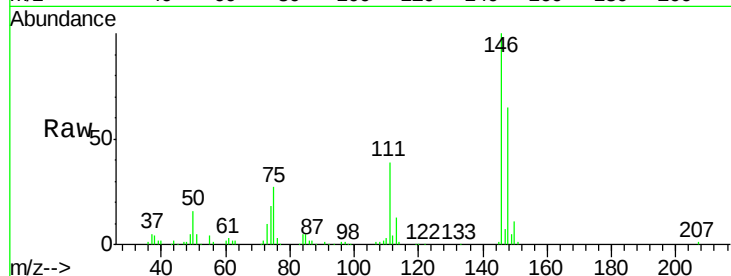
Tot Ion:146 Resp: 121985

Ion Ratio Lower Upper

146 100

111 38.9 20.3 60.8

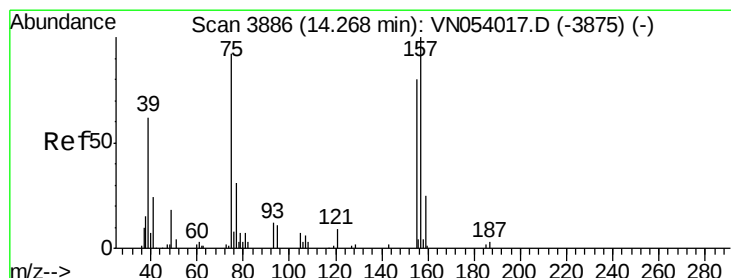
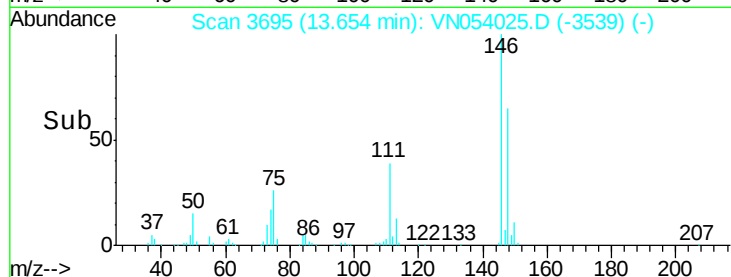
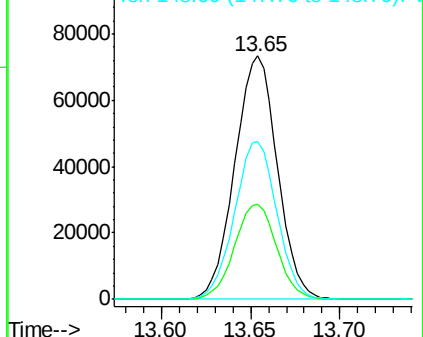
148 64.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 9.971 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

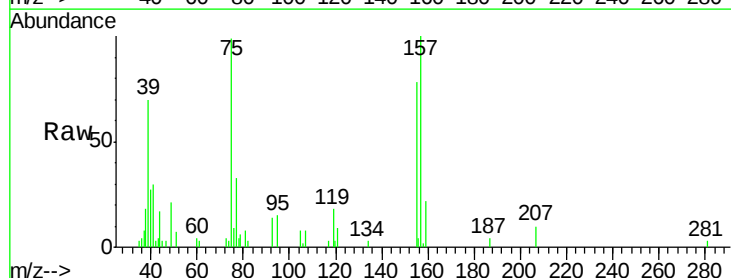
Tgt Ion: 75 Resp: 10479

Ion Ratio Lower Upper

75 100

155 82.0 72.2 108.2

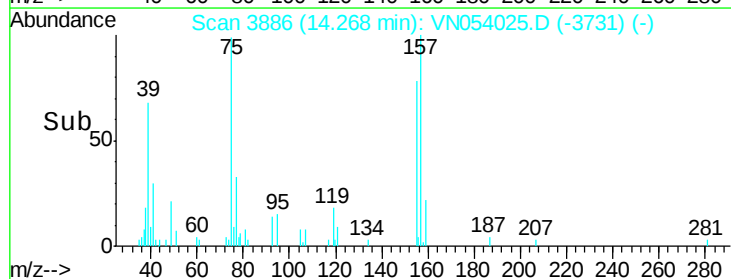
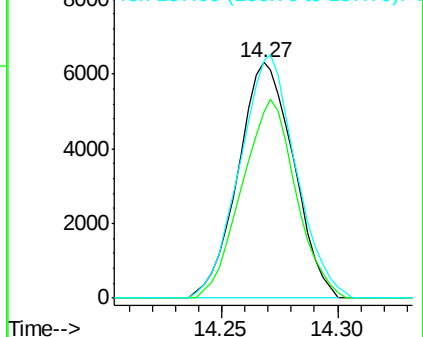
157 104.7 94.2 141.2

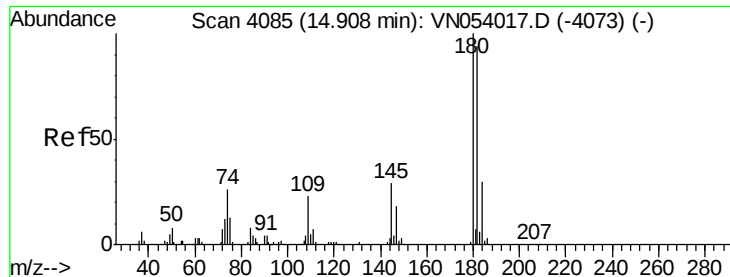


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

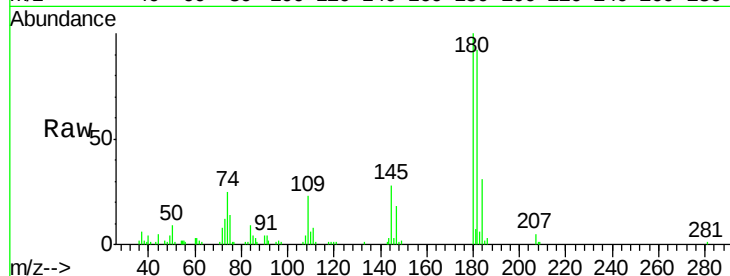




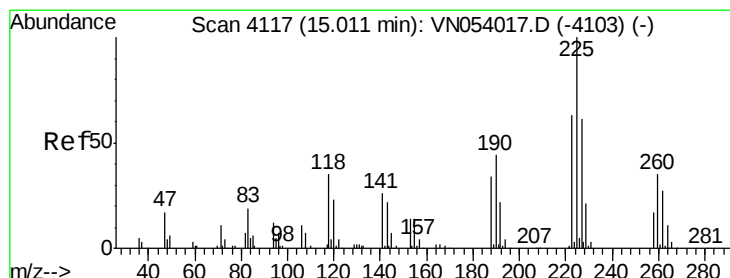
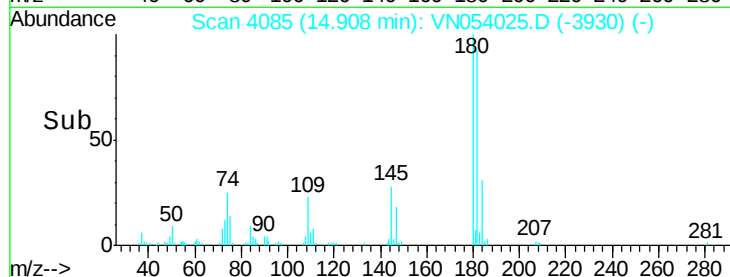
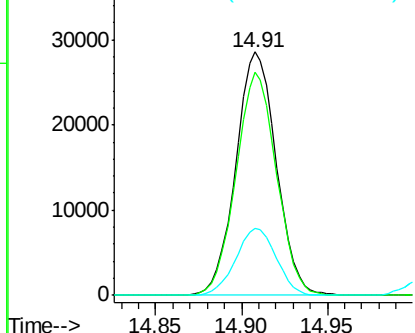
#89
 1,2,4-Trichlorobenzene
 Concen: 7.248 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion:180 Resp: 46740
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.6 114.8
 145 27.5 23.6 35.4

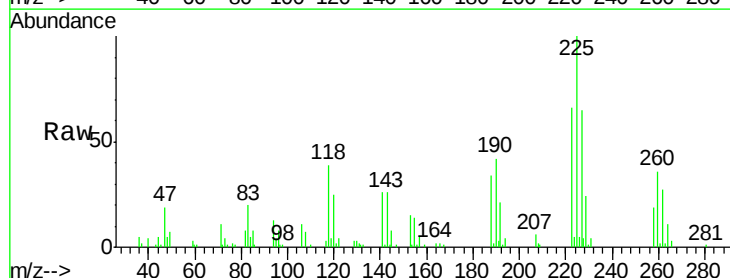


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

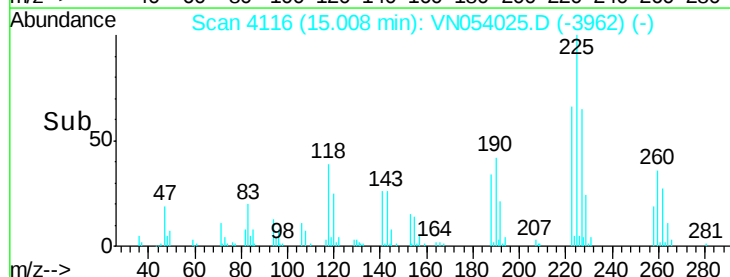
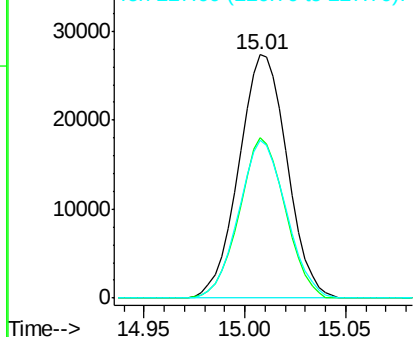


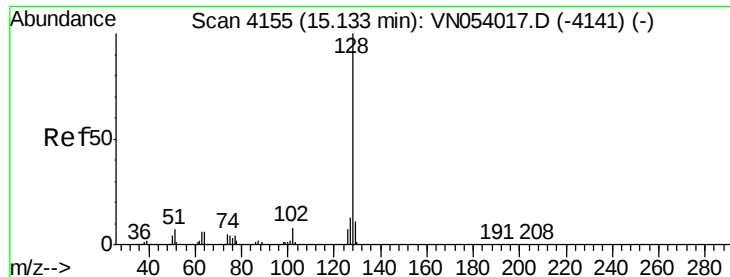
#90
 Hexachlorobutadiene
 Concen: 9.795 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion:225 Resp: 45892
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 125.6
 227 63.7 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 11.620 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

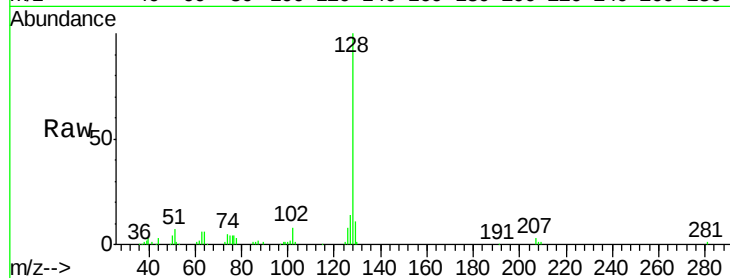
Tot Ion:128 Resp: 81386

Ion Ratio Lower Upper

128 100

127 13.5 9.9 14.9

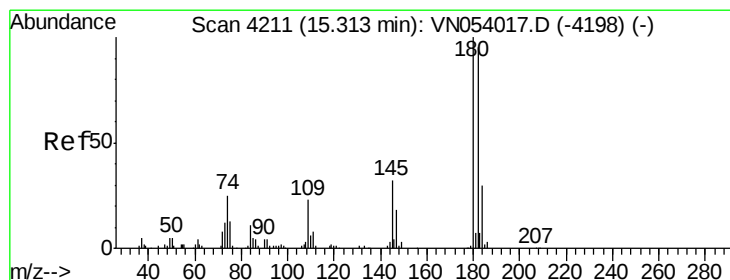
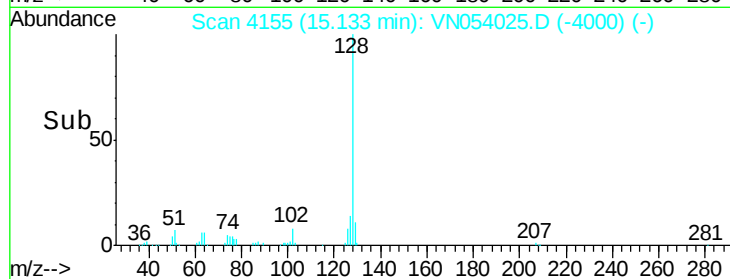
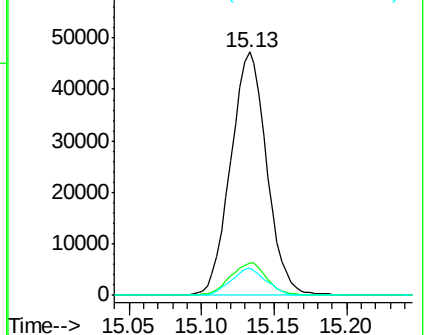
129 10.9 8.5 12.7



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



#92

1,2,3-Trichlorobenzene

Concen: 7.432 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

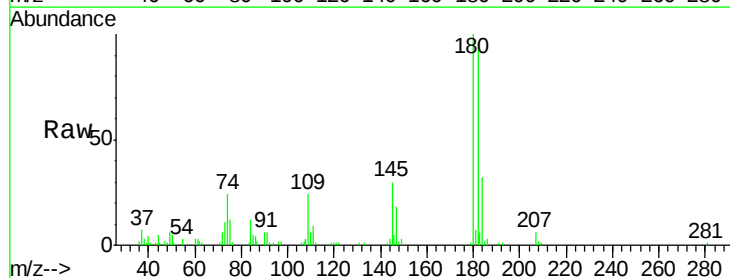
Tgt Ion:180 Resp: 47328

Ion Ratio Lower Upper

180 100

182 96.8 0.0 196.2

145 31.2 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

