

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056708.D
 Acq On : 15 Jul 2019 13:43
 Operator : JC/SP
 Sample : K3591-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Quant Time: Jul 16 04:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142216	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	181512	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	7.59	113	154372	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	10.09	98	583599	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.40	95	167428	41.10	ug/l	0.00
Spiked Amount			Recovery	=	82.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	3096	1.032	ug/l	96
3) Chloromethane	2.06	50	4424	1.097	ug/l #	86
4) Vinyl Chloride	2.18	62	4108	1.058	ug/l	98
5) Bromomethane	2.55	94	3046	1.334	ug/l	98
6) Chloroethane	2.70	64	2435	1.076	ug/l	96
7) Trichlorofluoromethane	3.01	101	5007	1.005	ug/l	94
8) Diethyl Ether	3.41	74	1999	1.029	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3052	1.020	ug/l #	62
10) Methyl Iodide	3.95	142	3142	0.785	ug/l #	86
11) Tert butyl alcohol	4.79	59	2858	4.861	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	1340	0.446	ug/l #	73
13) Acrolein	3.62	56	1501	17.826	ug/l	95
14) Allyl chloride	4.32	41	3598	0.693	ug/l #	74
15) Acrylonitrile	4.99	53	8184	4.820	ug/l #	90
16) Acetone	3.82	43	7822	4.805	ug/l	89
17) Carbon Disulfide	4.05	76	8128	1.025	ug/l	97
18) Methyl Acetate	4.34	43	6981	0.955	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	9152	0.957	ug/l #	90
20) Methylene Chloride	4.55	84	2399	0.674	ug/l	85
21) trans-1,2-Dichloroethene	5.04	96	3364	1.060	ug/l	90
22) Diisopropyl ether	5.95	45	10061	0.982	ug/l #	62
23) Vinyl Acetate	5.91	43	36359	4.378	ug/l	95
24) 1,1-Dichloroethane	5.85	63	5940	1.000	ug/l #	83
25) 2-Butanone	6.85	43	10696	4.494	ug/l	99
26) 2,2-Dichloropropane	6.82	77	3856	0.900	ug/l #	71
27) cis-1,2-Dichloroethene	6.83	96	3696	1.012	ug/l	53
28) Bromochloromethane	7.20	49	2796	1.001	ug/l #	98
29) Tetrahydrofuran	7.22	42	7426	4.784	ug/l	98
30) Chloroform	7.37	83	6399	1.076	ug/l	98
31) Cyclohexane	7.66	56	10711	1.897	ug/l #	38
32) 1,1,1-Trichloroethane	7.56	97	2504	0.533	ug/l #	28
36) 1,1-Dichloropropene	7.79	75	4716	1.014	ug/l	93
37) Ethyl Acetate	6.93	43	3892	0.849	ug/l #	80
38) Carbon Tetrachloride	7.78	117	4520	1.036	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	5112	0.890	ug/l	90
40) Benzene	8.04	78	13428	0.942	ug/l	97
41) Methacrylonitrile	7.22	41	6969	3.461	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	4994	1.109	ug/l	90
43) Isopropyl Acetate	8.17	43	6916	0.960	ug/l #	92
44) Trichloroethene	8.84	130	3600	0.930	ug/l	100
45) 1,2-Dichloropropane	9.12	63	3713	0.981	ug/l	94
46) Dibromomethane	9.21	93	2465	1.050	ug/l	94
47) Bromodichloromethane	9.40	83	3785	0.849	ug/l	99
48) Methyl methacrylate	9.20	41	3369	0.967	ug/l	99
49) 1,4-Dioxane	9.20	88	1258	17.592	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	21941	4.701	ug/l	98
52) Toluene	10.16	92	8640	1.021	ug/l	97
53) t-1,3-Dichloropropene	10.39	75	3536	0.760	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	4537	0.840	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	3091	0.871	ug/l #	81
56) Ethyl methacrylate	10.43	69	4121	0.807	ug/l	92
57) 1,3-Dichloropropane	10.71	76	5820	1.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	10034	4.085	ug/l	98
59) 2-Hexanone	10.75	43	14665	4.379	ug/l	97
60) Dibromochloromethane	10.90	129	2844	0.815	ug/l	92
61) 1,2-Dibromoethane	11.00	107	3062	0.868	ug/l	96
64) Tetrachloroethene	10.63	164	4249	1.152	ug/l	95
65) Chlorobenzene	11.43	112	8970	1.026	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	2780	0.864	ug/l #	62
67) Ethyl Benzene	11.51	91	14599	0.950	ug/l	91
68) m/p-Xylenes	11.62	106	10737	1.870	ug/l	97
69) o-Xylene	11.94	106	4782	0.847	ug/l	86
70) Styrene	11.96	104	7626	0.836	ug/l	99
71) Bromoform	12.12	173	1912	0.781	ug/l #	94
73) Isopropylbenzene	12.25	105	13138	1.146	ug/l	99
74) N-amyl acetate	12.07	43	4219	0.988	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	4998	Below Cal		93
76) 1,2,3-Trichloropropane	12.55	75	5194	1.670	ug/l #	100
77) Bromobenzene	12.53	156	3679	1.227	ug/l	96
78) n-propylbenzene	12.59	91	13762	1.081	ug/l	98
79) 2-Chlorotoluene	12.67	91	9202	Below Cal		97
80) 1,3,5-Trimethylbenzene	12.73	105	10941	1.126	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	78641	78.081	ug/l #	13
82) 4-Chlorotoluene	12.77	91	8496	1.137	ug/l	92
83) tert-Butylbenzene	12.99	119	9428	Below Cal		98
84) 1,2,4-Trimethylbenzene	13.04	105	10006	1.054	ug/l	99
85) sec-Butylbenzene	13.17	105	12109	1.121	ug/l	100
86) p-Isopropyltoluene	13.29	119	10138	1.036	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5068	1.031	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	5068	1.060	ug/l	97
89) n-Butylbenzene	13.61	91	6586	0.836	ug/l	98
90) Hexachloroethane	13.88	117	1368	0.865	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	5633	1.121	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	489	0.795	ug/l	84

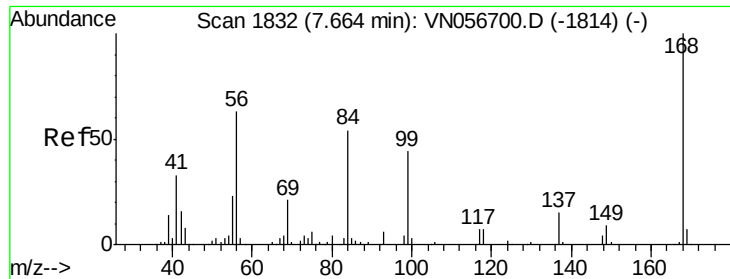
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1814	4.296	ug/l	85
95) Naphthalene	15.14	128	4626	5.078	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	2050	4.017	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

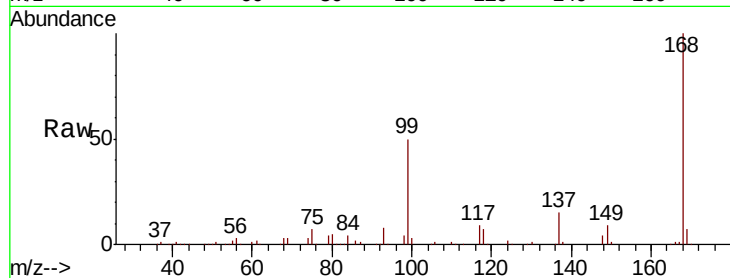
LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 319347

Ion Ratio Lower Upper

168 100

99 50.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

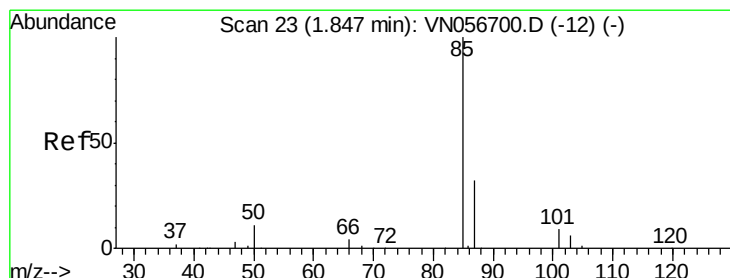
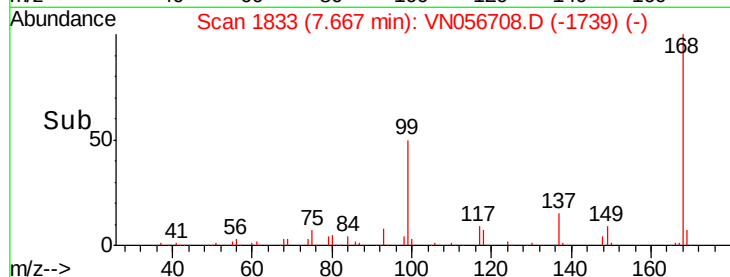
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.032 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056708.D

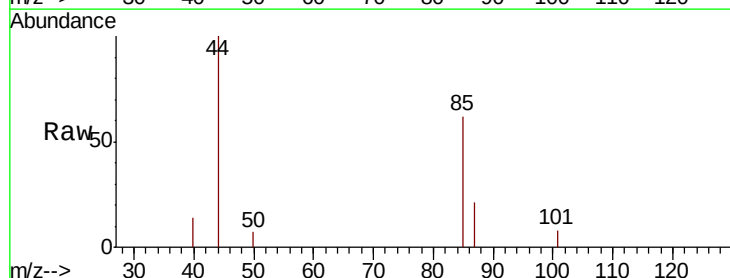
Acq: 15 Jul 2019 13:43

Tgt Ion: 85 Resp: 3096

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

2500

2000

1500

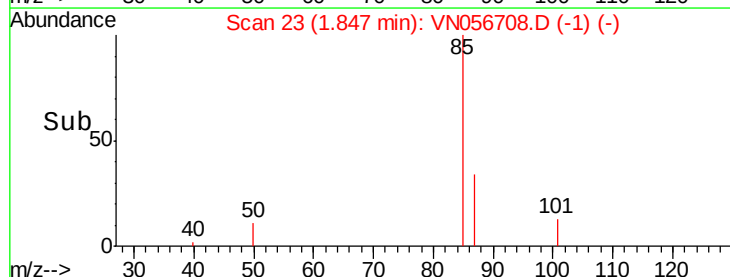
1000

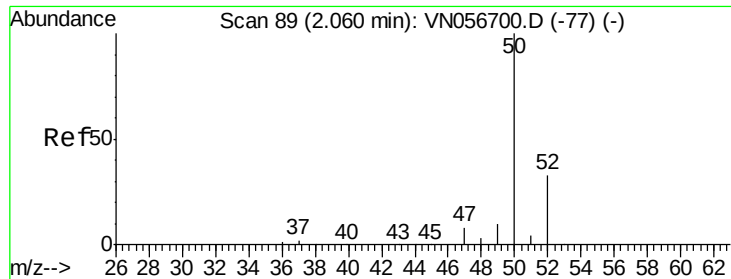
500

0

Time-->

1.80 1.85 1.90

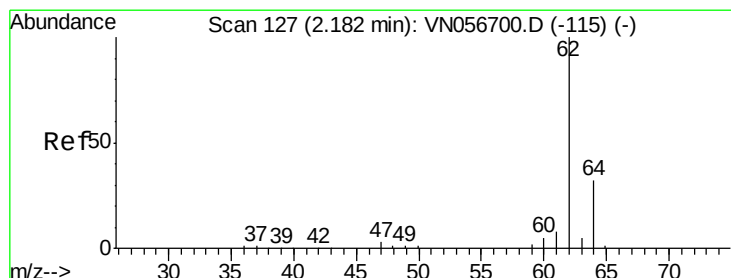
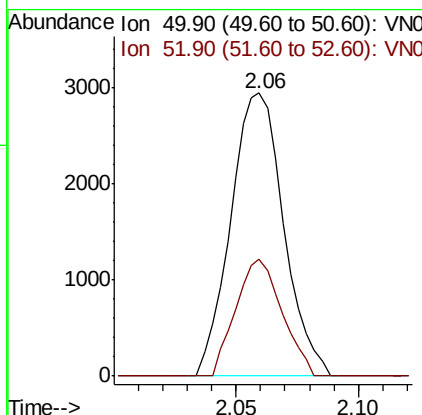
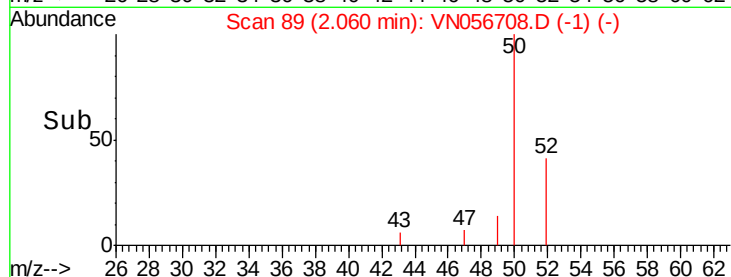
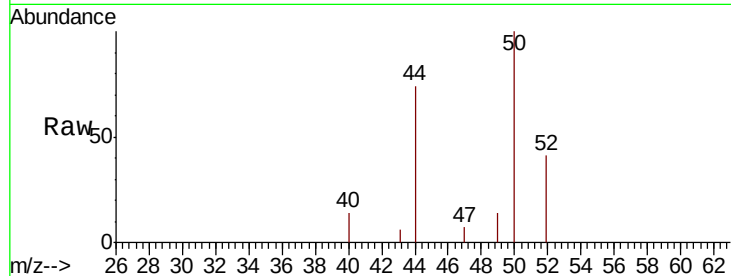




#3
 Chloromethane
 Concen: 1.097 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

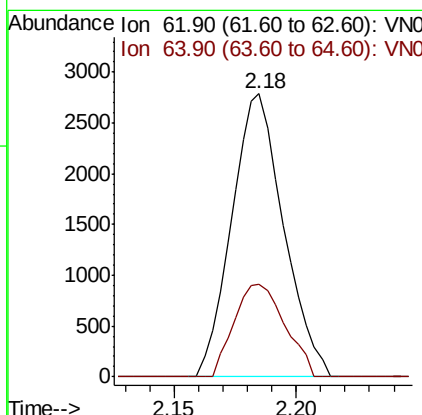
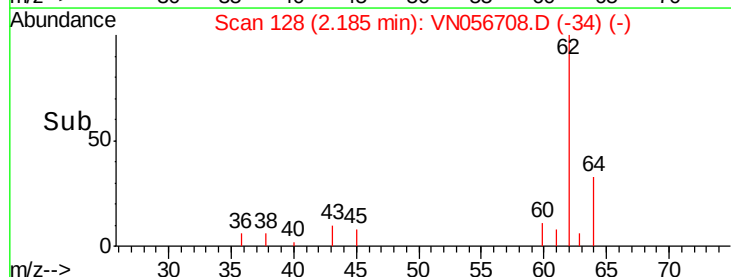
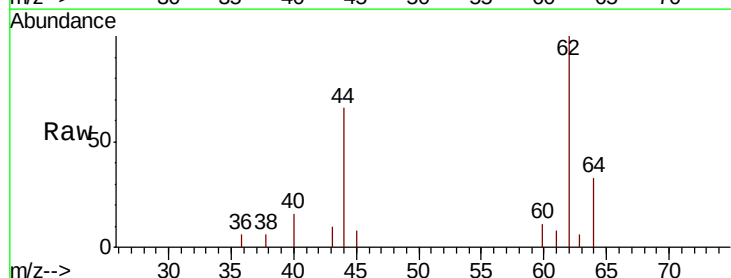
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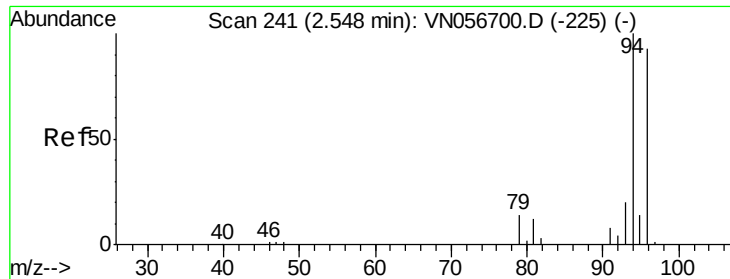
Tot Ion: 50 Resp: 4424
 Ion Ratio Lower Upper
 50 100
 52 41.3 26.5 39.7#



#4
 Vinyl Chloride
 Concen: 1.058 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 62 Resp: 4108
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.6 38.4





#5

Bromomethane

Concen: 1.334 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

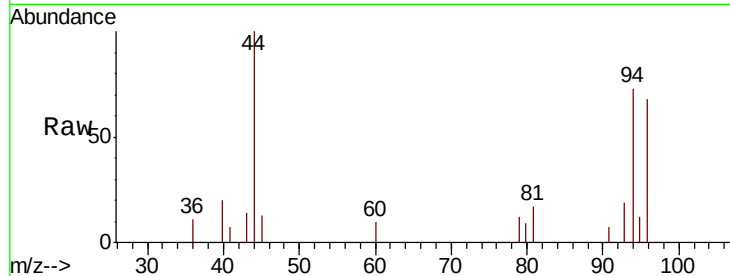
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 3046

Ion Ratio Lower Upper

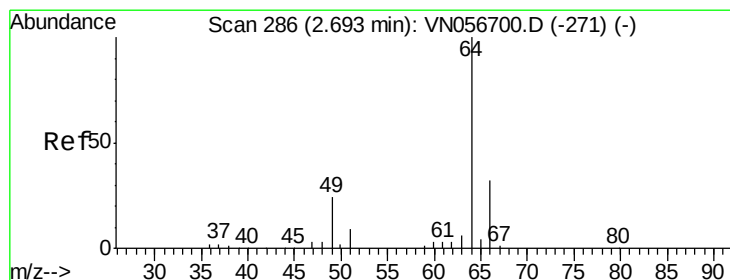
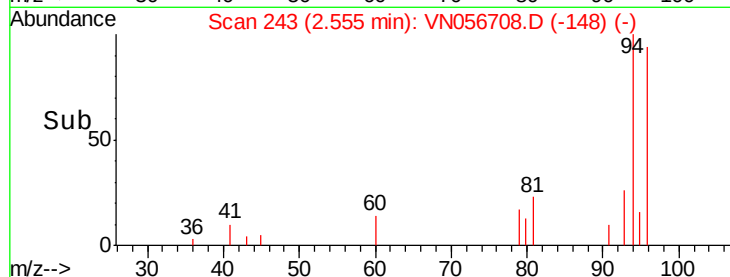
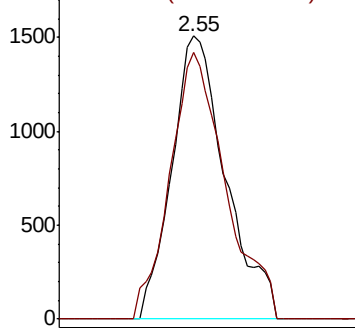
94 100

96 94.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.076 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056708.D

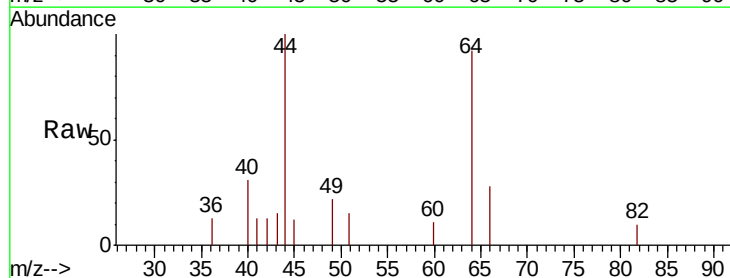
Acq: 15 Jul 2019 13:43

Tgt Ion: 64 Resp: 2435

Ion Ratio Lower Upper

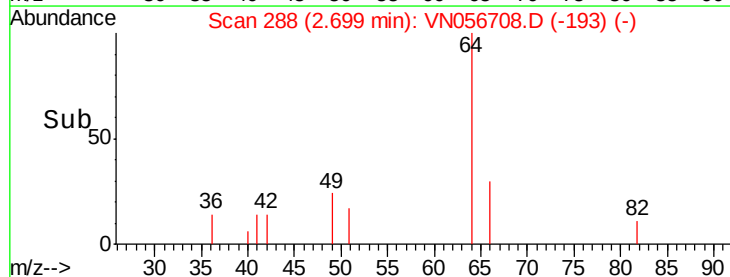
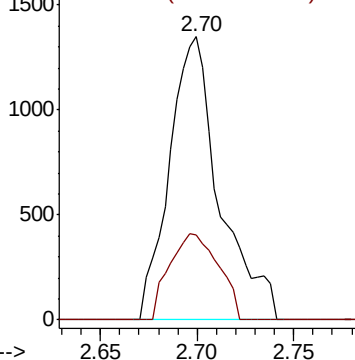
64 100

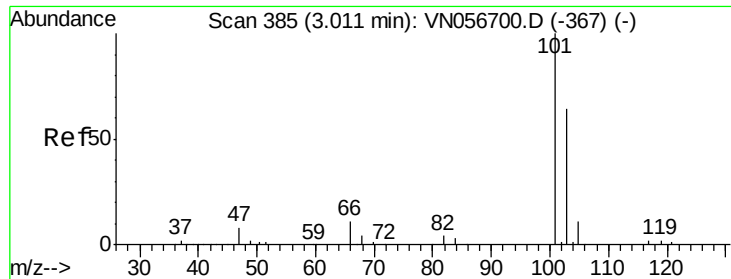
66 30.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



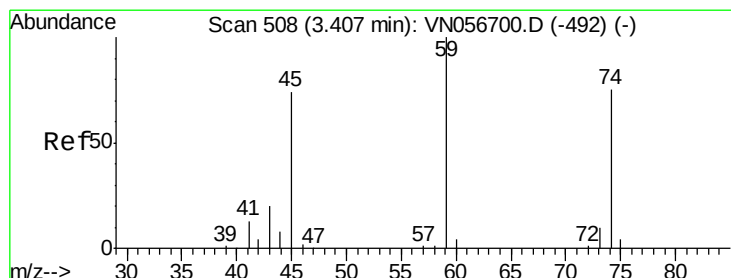
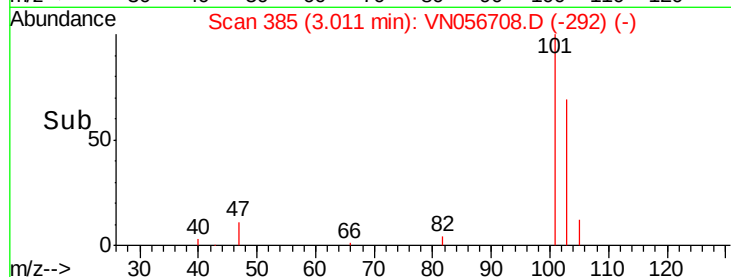
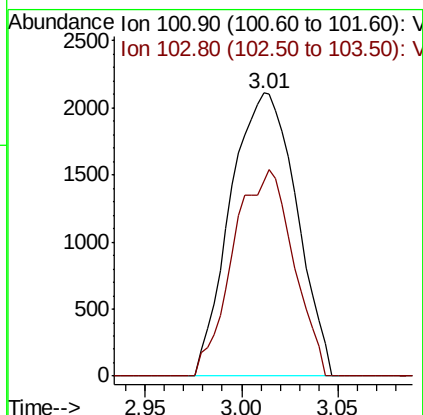
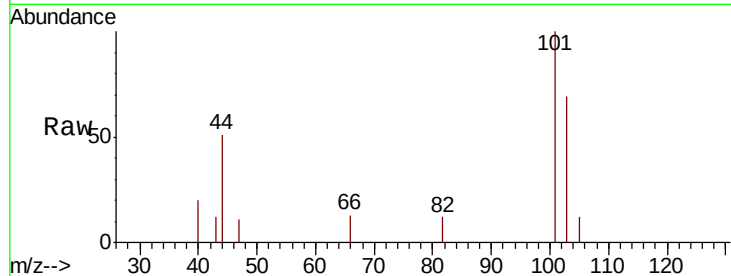


#7

Trichlorofluoromethane
 Concen: 1.005 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
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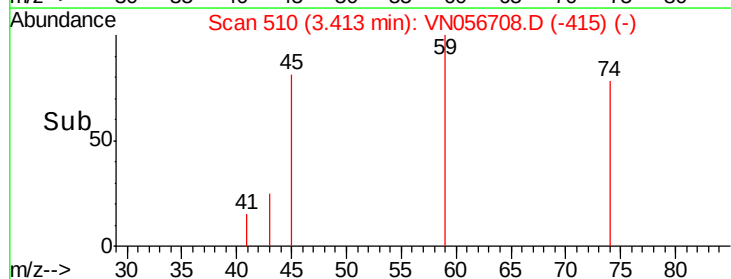
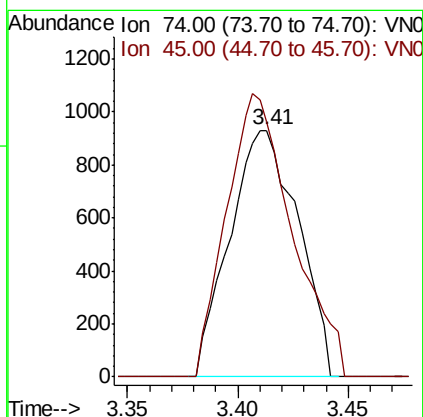
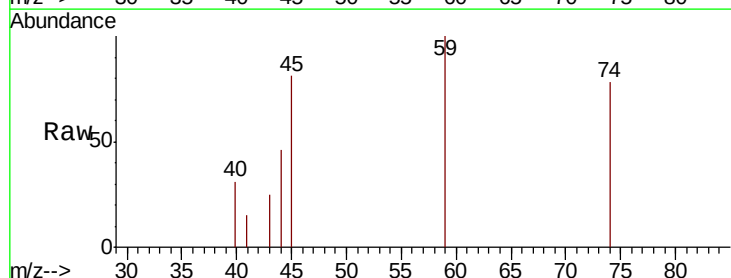
Tot Ion:101 Resp: 5007
 Ion Ratio Lower Upper
 101 100
 103 69.0 51.5 77.3

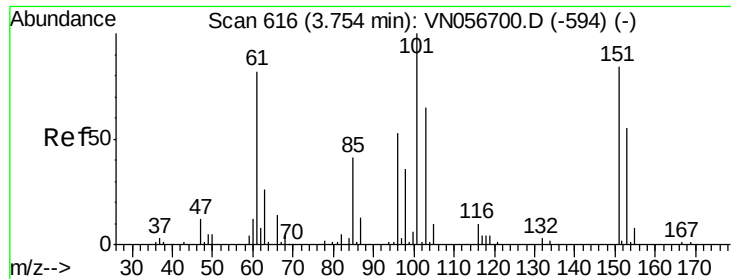


#8

Diethyl Ether
 Concen: 1.029 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 74 Resp: 1999
 Ion Ratio Lower Upper
 74 100
 45 110.8 49.4 148.2

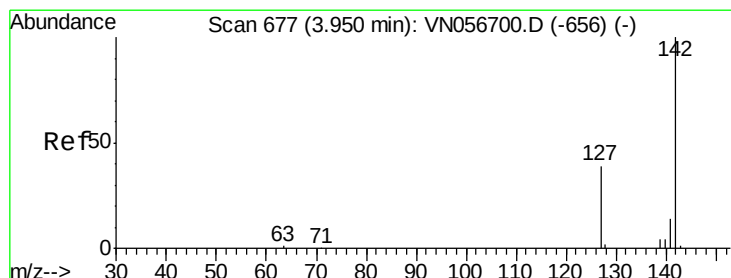
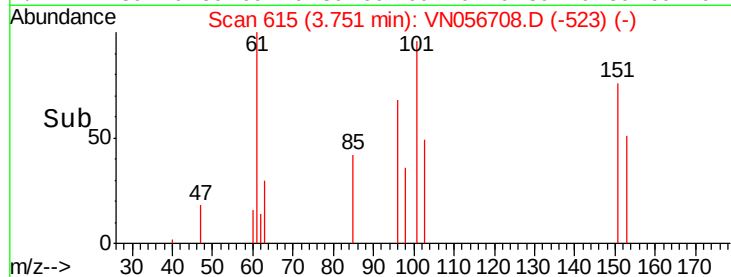
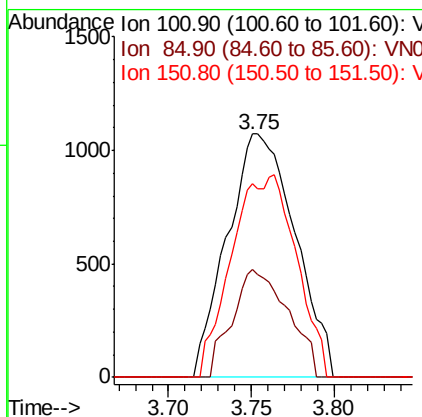
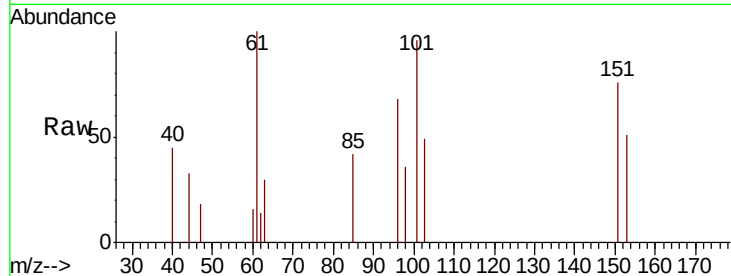




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.020 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

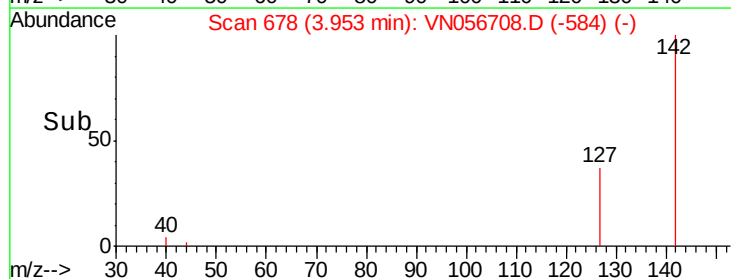
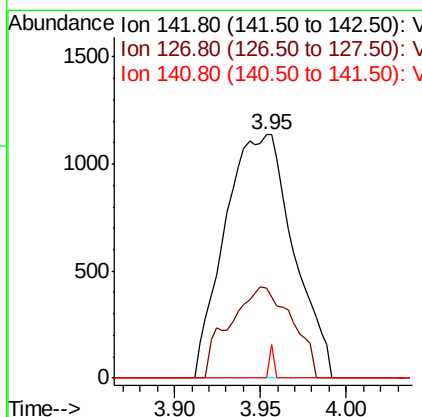
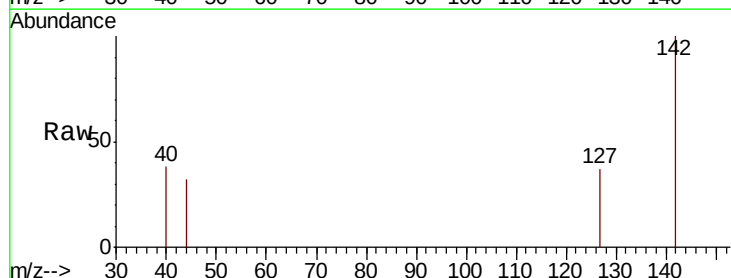
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 ClientSampleId :
 LOQ-WATER-02-QT3-2019

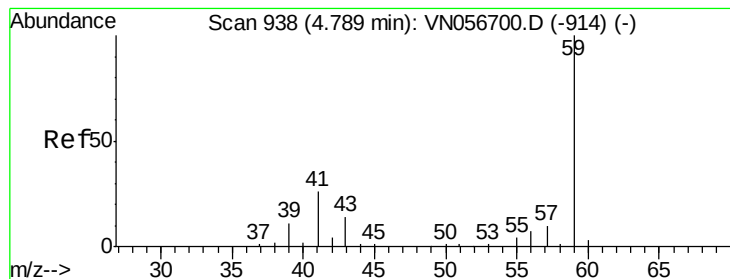
Tot Ion:101 Resp: 3052
 Ion Ratio Lower Upper
 101 100
 85 36.6 33.3 49.9
 151 36.5 67.0 100.6#



#10
 Methyl Iodide
 Concen: 0.785 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion:142 Resp: 3142
 Ion Ratio Lower Upper
 142 100
 127 34.1 30.7 46.1
 141 1.0 11.3 16.9#



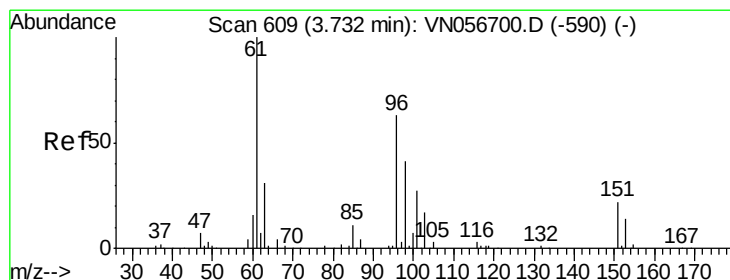
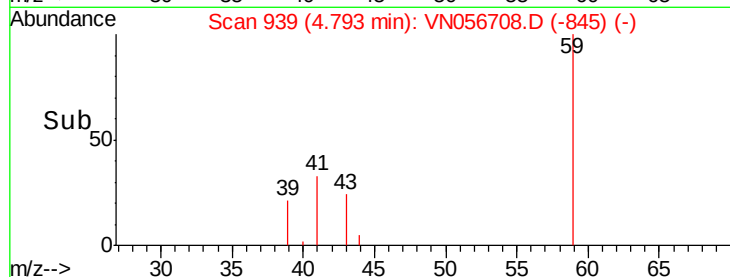
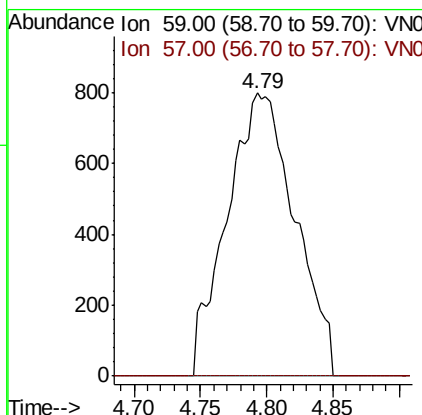
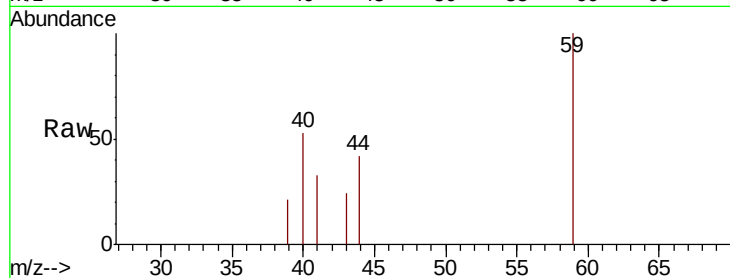


#11

Tert butyl alcohol
 Concen: 4.861 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

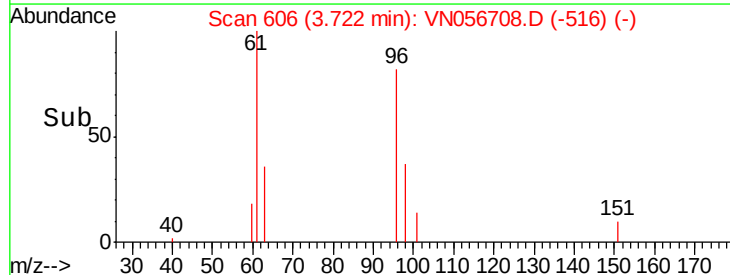
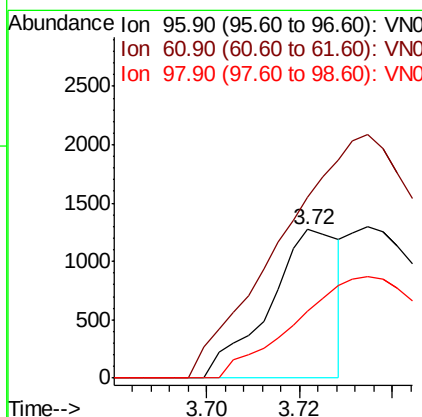
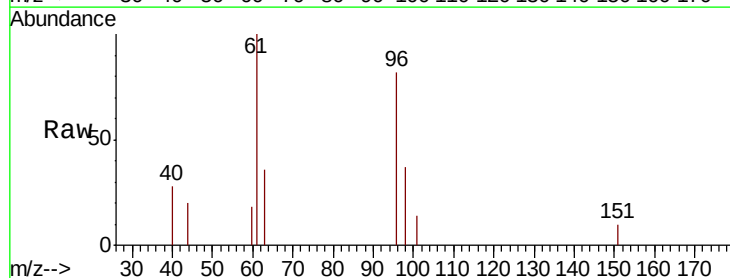
Tot Ion: 59 Resp: 2858
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

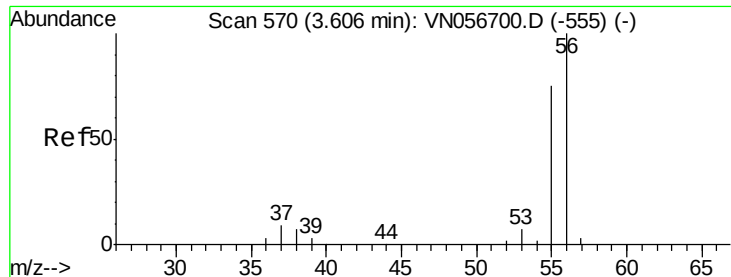


#12

1,1-Dichloroethene
 Concen: 0.446 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 96 Resp: 1340
 Ion Ratio Lower Upper
 96 100
 61 121.7 126.6 189.8#
 98 45.2 51.4 77.2#





#13

Acrolein

Concen: 17.826 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

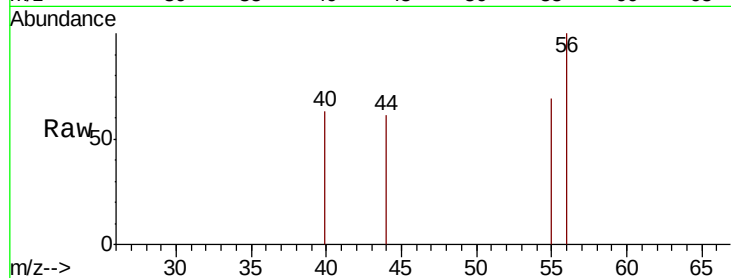
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 1501

Ion Ratio Lower Upper

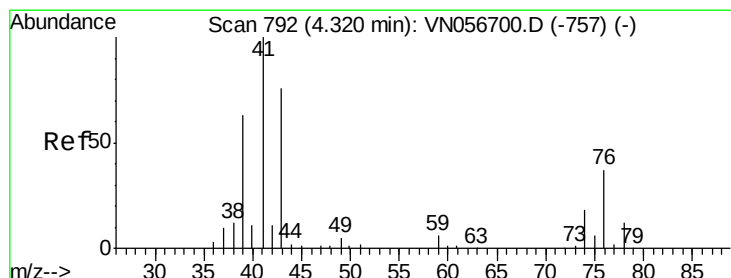
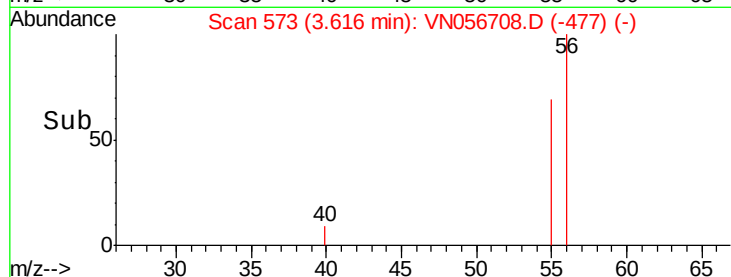
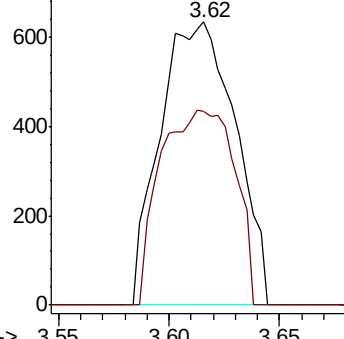
56 100

55 68.0 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.693 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

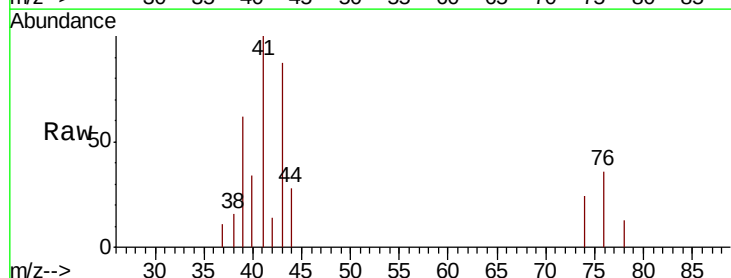
Tgt Ion: 41 Resp: 3598

Ion Ratio Lower Upper

41 100

39 85.8 46.9 70.3#

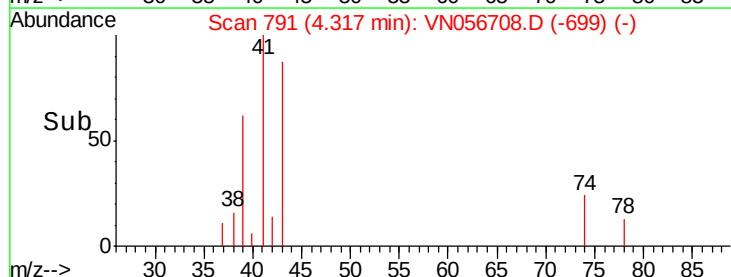
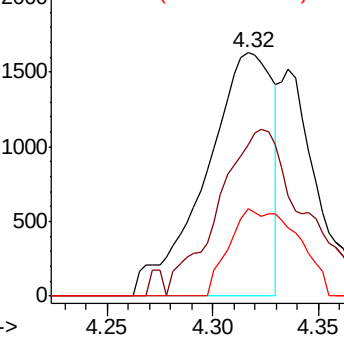
76 36.8 26.5 39.7

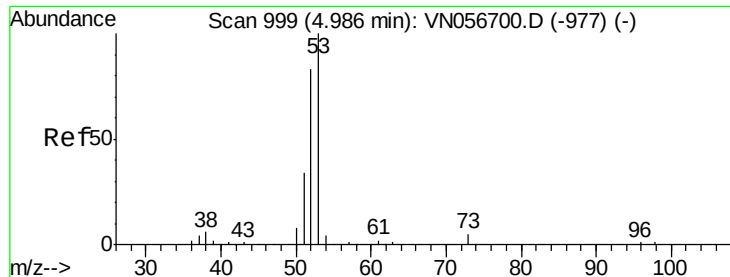


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 4.820 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

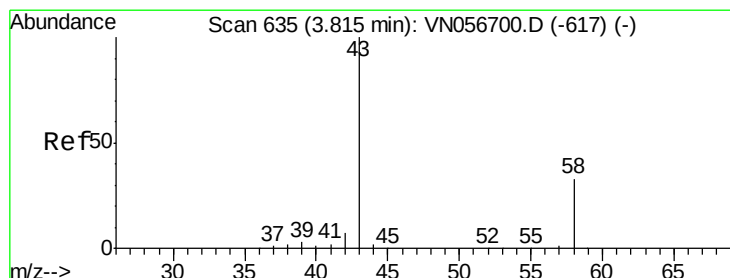
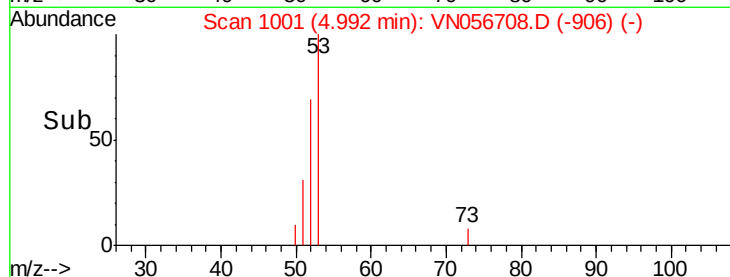
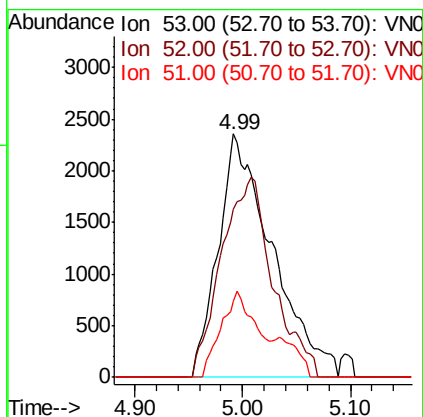
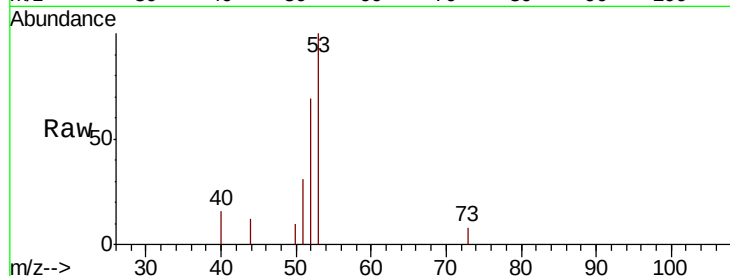
Tot Ion: 53 Resp: 8184

Ion Ratio Lower Upper

53 100

52 78.3 66.6 99.8

51 23.5 28.4 42.6#



#16

Acetone

Concen: 4.805 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN056708.D

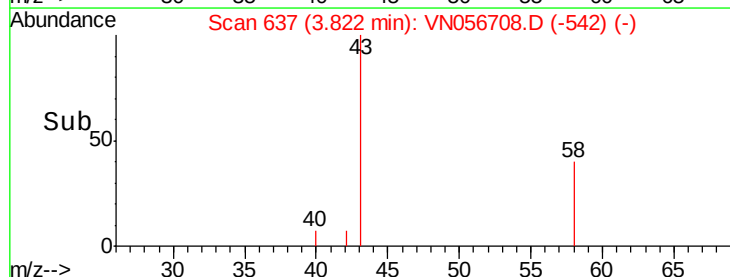
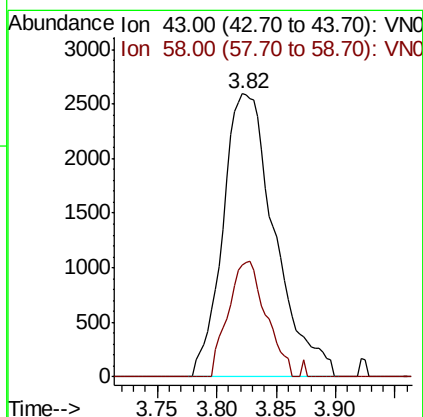
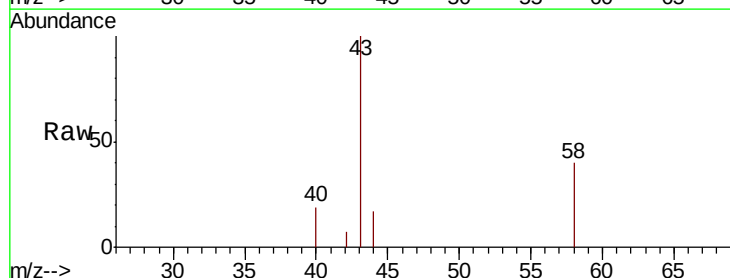
Acq: 15 Jul 2019 13:43

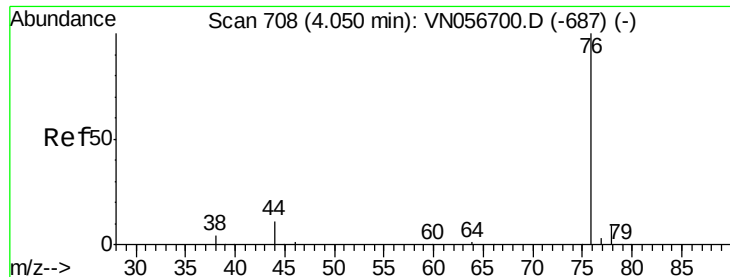
Tgt Ion: 43 Resp: 7822

Ion Ratio Lower Upper

43 100

58 39.6 26.7 40.1





#17

Carbon Disulfide

Concen: 1.025 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

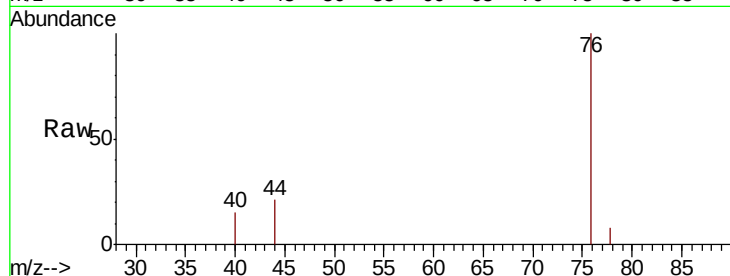
LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 8128

Ion Ratio Lower Upper

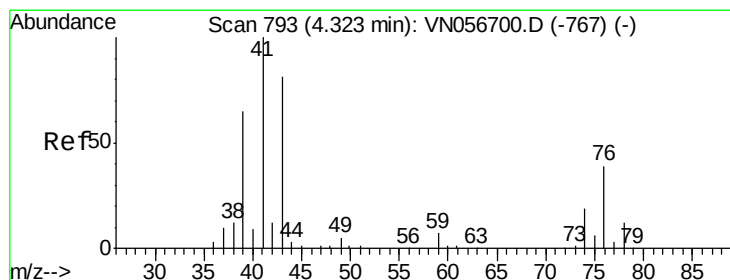
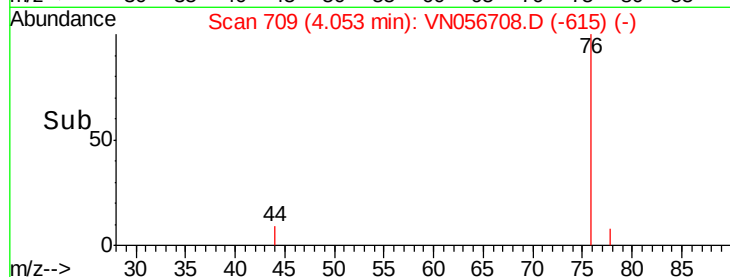
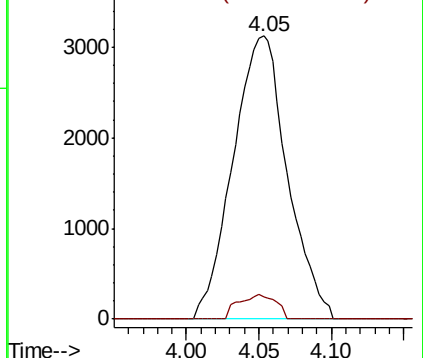
76 100

78 8.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.955 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056708.D

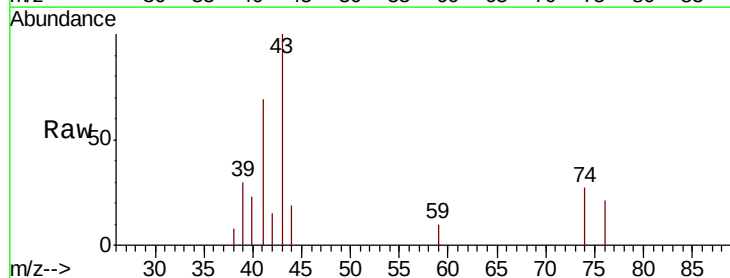
Acq: 15 Jul 2019 13:43

Tgt Ion: 43 Resp: 6981

Ion Ratio Lower Upper

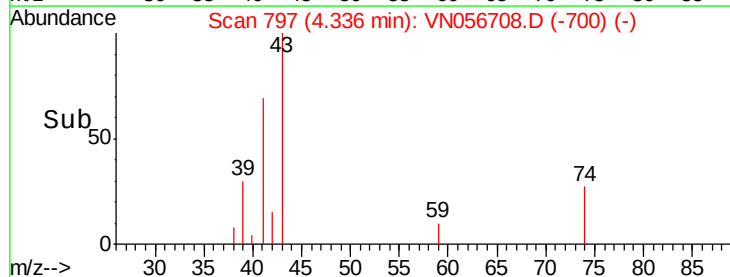
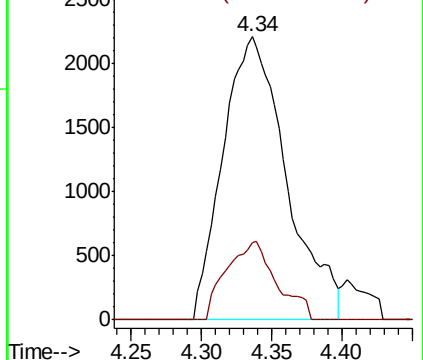
43 100

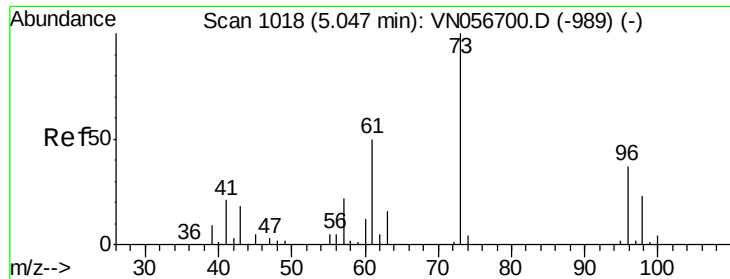
74 21.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

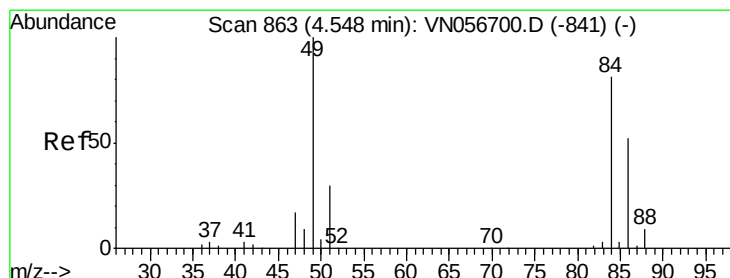
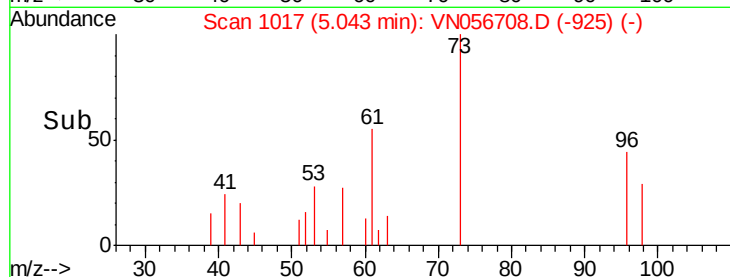
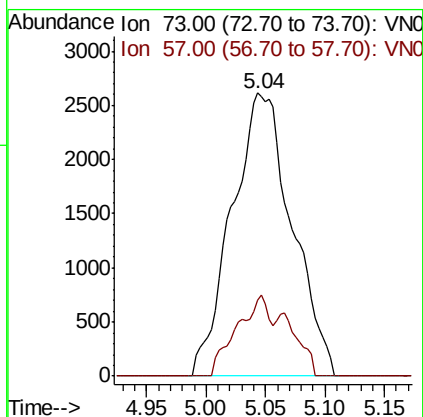
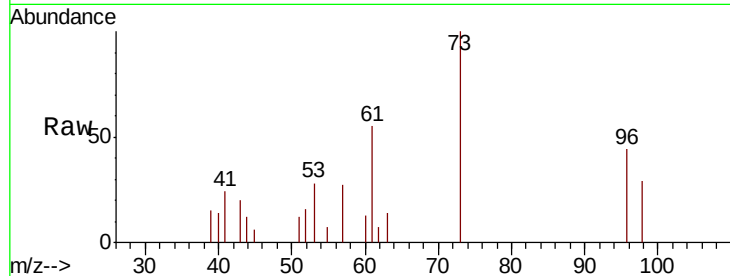




#19
Methyl tert-butyl Ether
Concen: 0.957 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

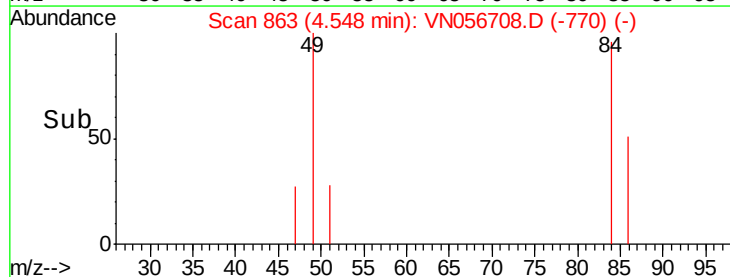
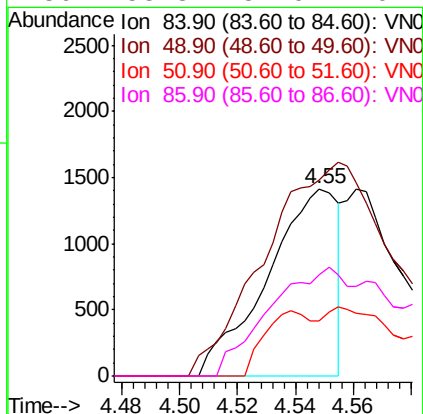
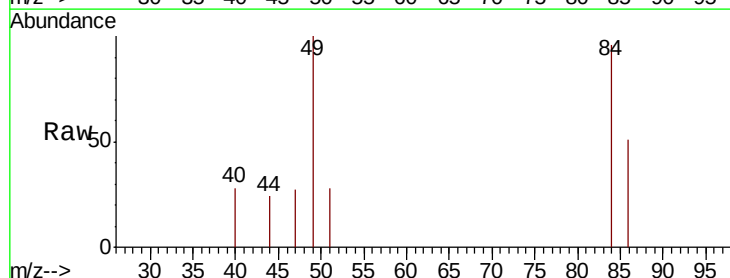
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

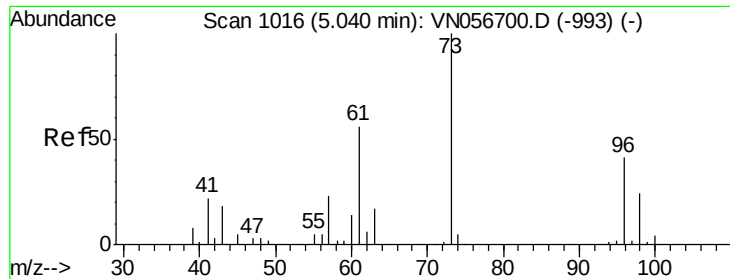
Tot Ion: 73 Resp: 9152
Ion Ratio Lower Upper
73 100
57 27.0 17.9 26.9#



#20
Methylene Chloride
Concen: 0.674 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 84 Resp: 2399
Ion Ratio Lower Upper
84 100
49 104.6 98.2 147.4
51 29.6 29.6 44.4
86 53.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 1.060 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

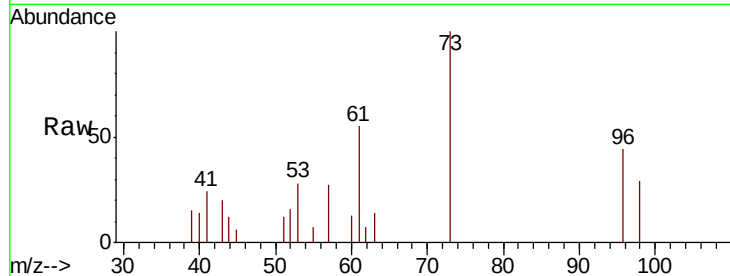
Tot Ion: 96 Resp: 3364

Ion Ratio Lower Upper

96 100

61 123.5 109.4 164.2

98 65.3 48.0 72.0

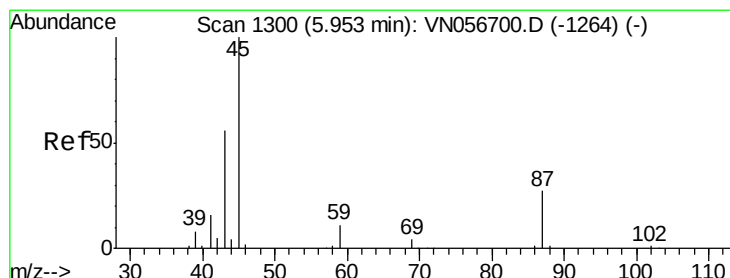
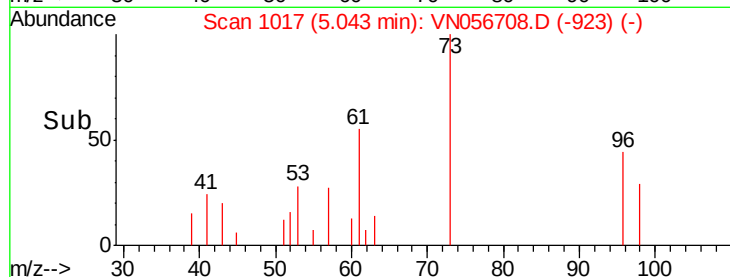
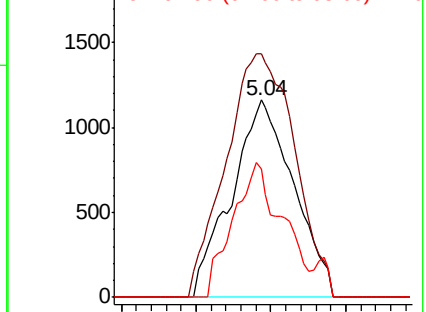


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.982 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion: 45 Resp: 10061

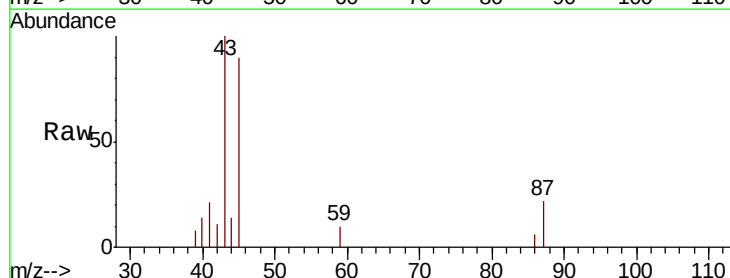
Ion Ratio Lower Upper

45 100

43 101.0 45.6 68.4#

87 24.0 22.0 33.0

59 10.7 9.3 13.9



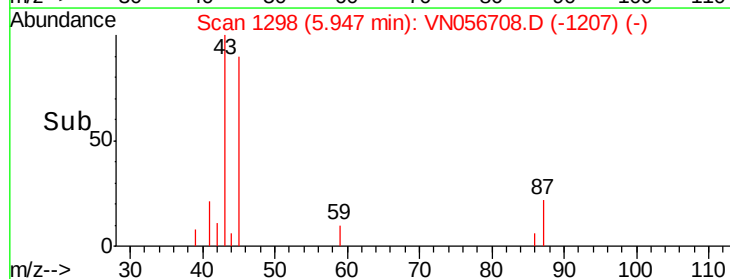
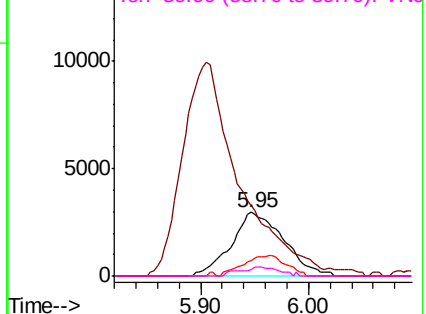
Abundance

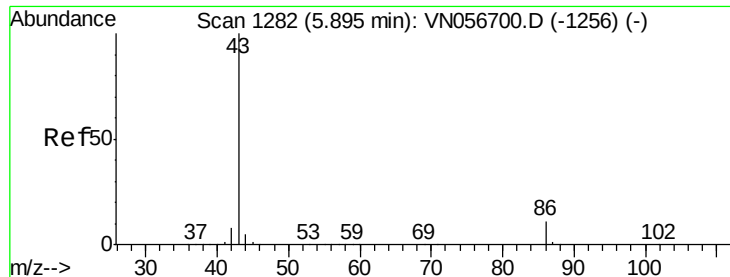
Ion 45.00 (44.70 to 45.70): VN0

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

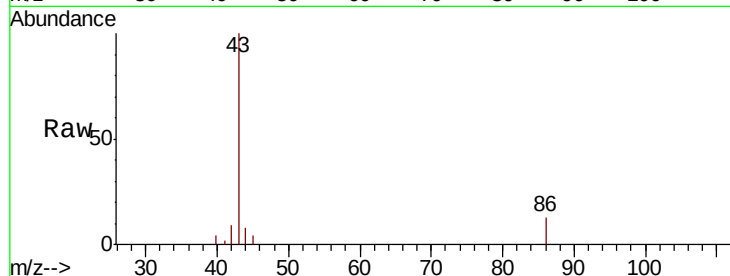




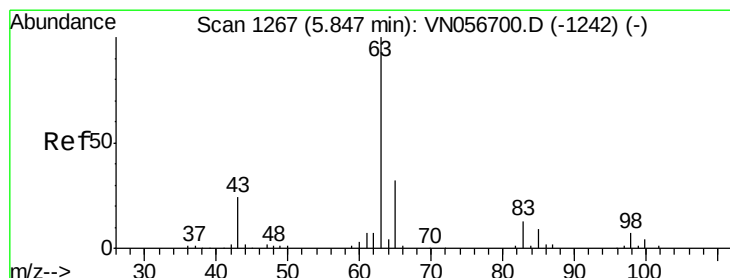
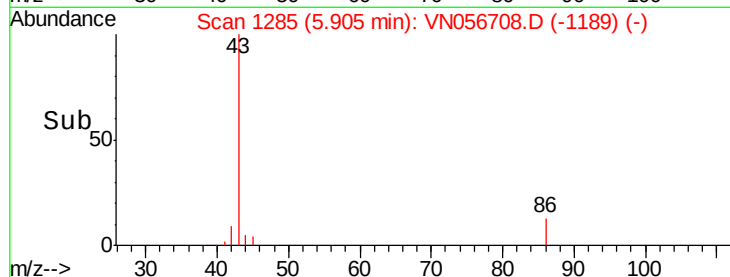
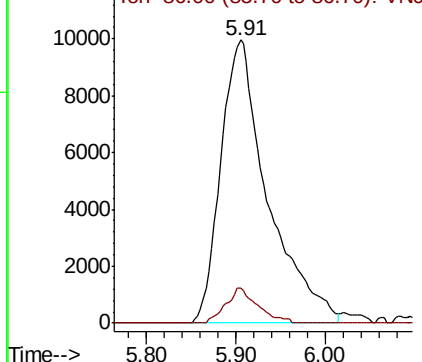
#23
 Vinyl Acetate
 Concen: 4.378 ug/l
 RT: 5.91 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 36359
 Ion Ratio Lower Upper
 43 100
 86 12.6 8.5 12.7

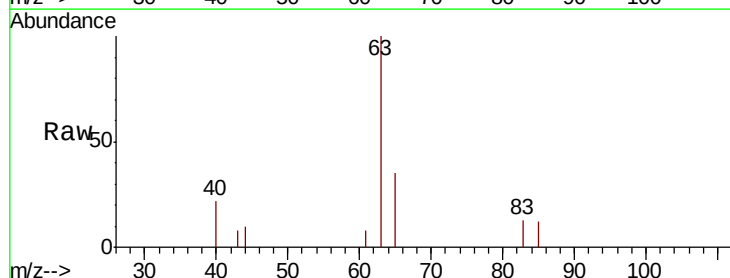


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0

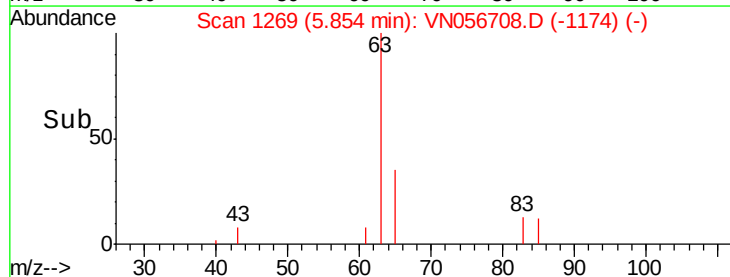
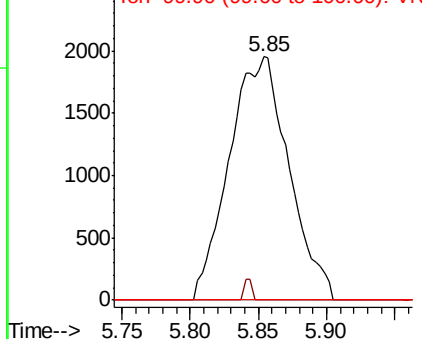


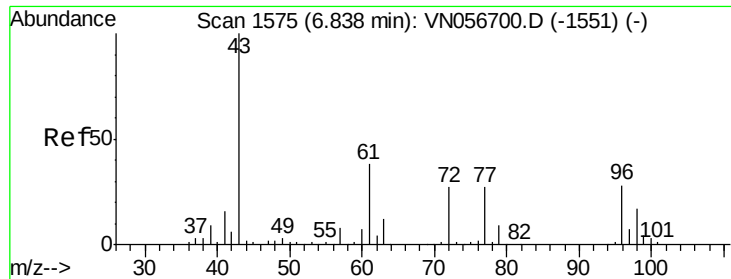
#24
 1,1-Dichloroethane
 Concen: 1.000 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 63 Resp: 5940
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.9#
 100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

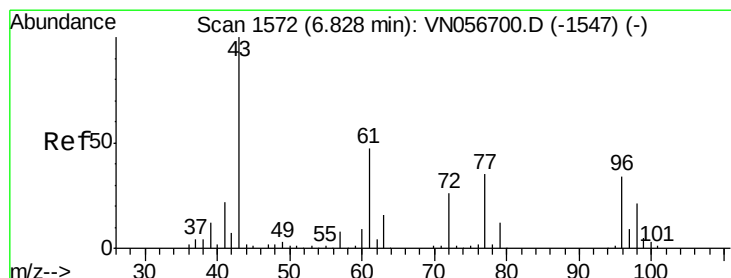
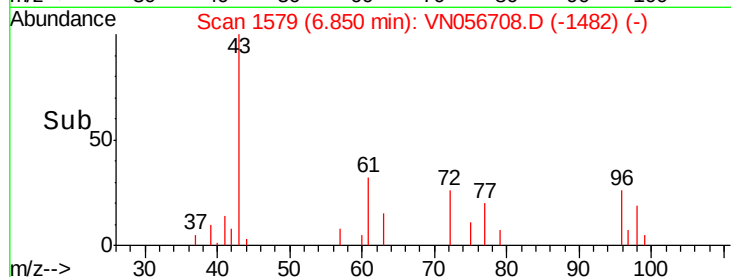
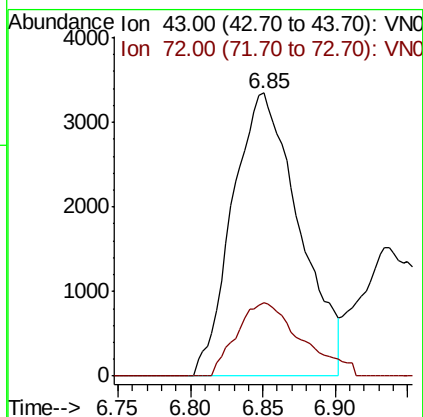
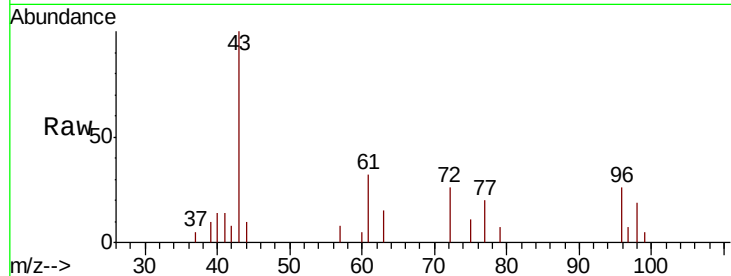




#25
2-Butanone
Concen: 4.494 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

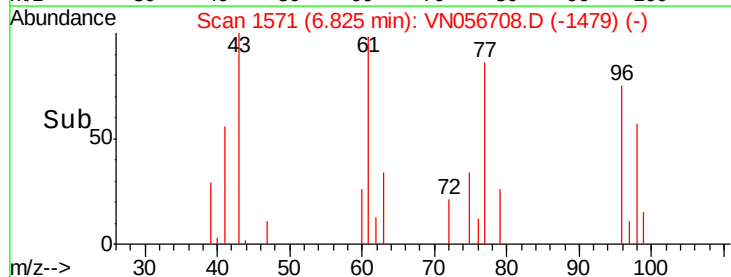
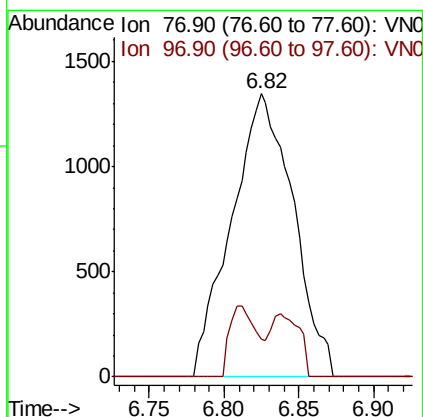
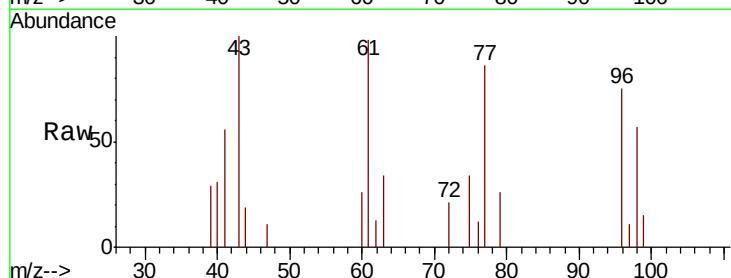
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

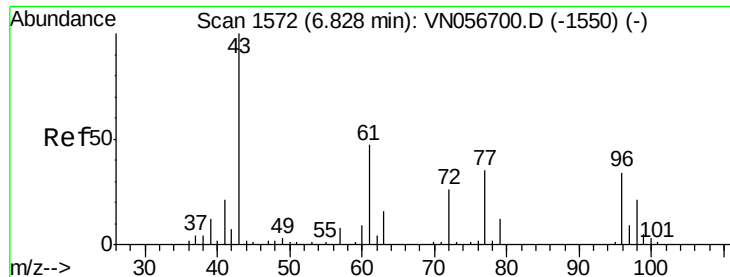
Tot Ion: 43 Resp: 10696
Ion Ratio Lower Upper
43 100
72 26.2 21.2 31.8



#26
2,2-Dichloropropane
Concen: 0.900 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 77 Resp: 3856
Ion Ratio Lower Upper
77 100
97 10.2 12.2 36.6#





#27

cis-1,2-Dichloroethene

Concen: 1.012 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

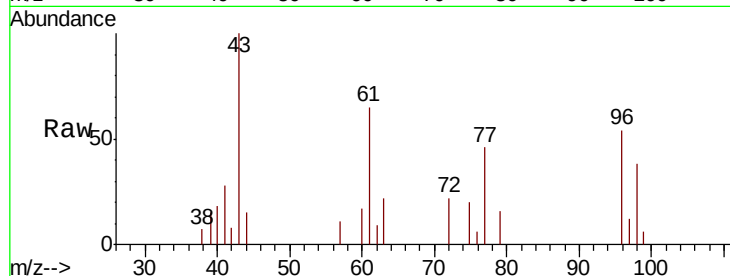
Tot Ion: 96 Resp: 3696

Ion Ratio Lower Upper

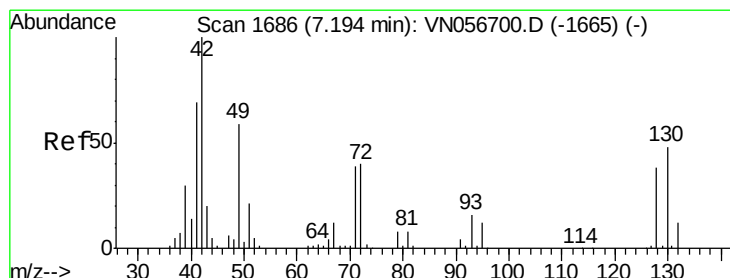
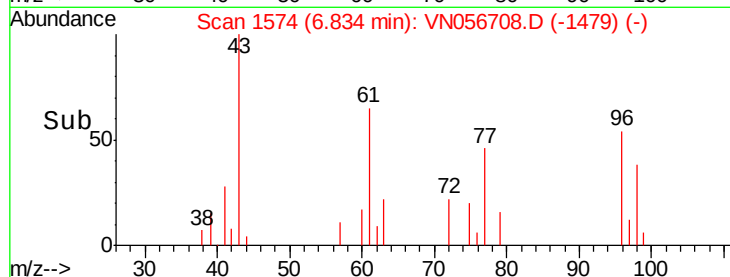
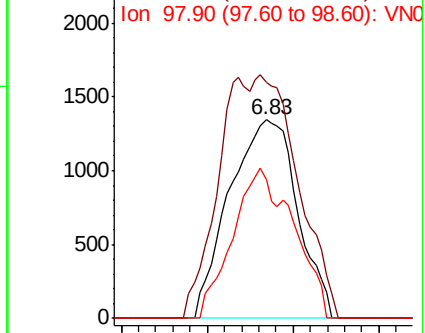
96 100

61 60.4 0.0 281.4

98 67.7 0.0 127.8



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



#28

Bromochloromethane

Concen: 1.001 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

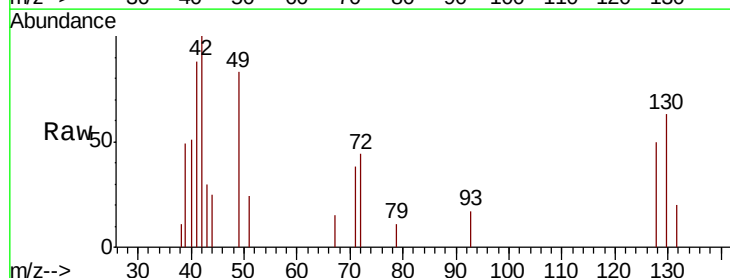
Tgt Ion: 49 Resp: 2796

Ion Ratio Lower Upper

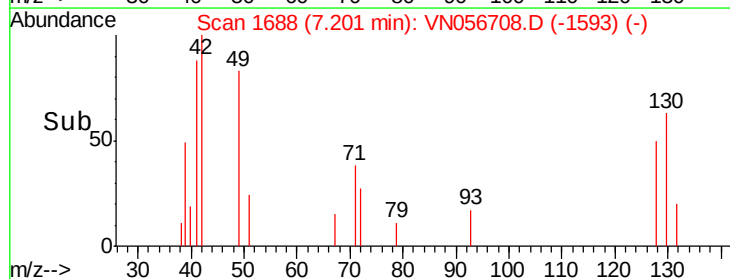
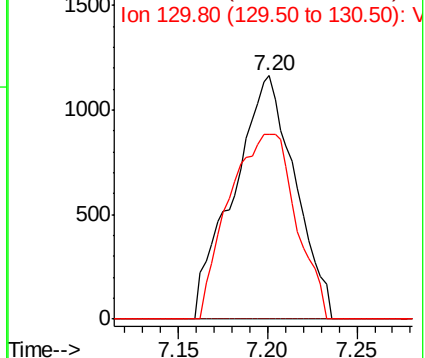
49 100

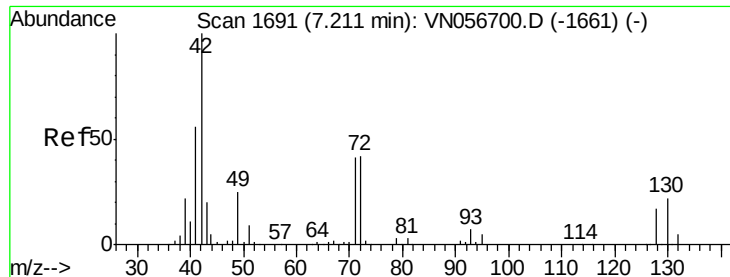
129 0.0 0.0 4.0

130 82.6 64.7 97.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

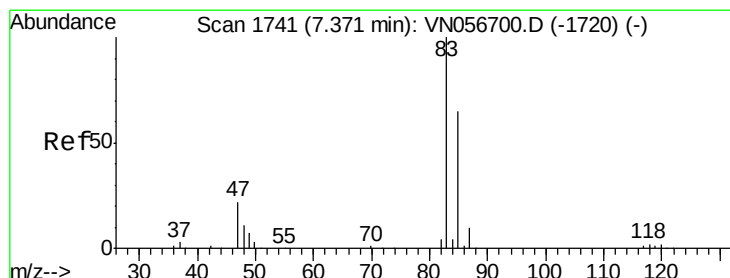
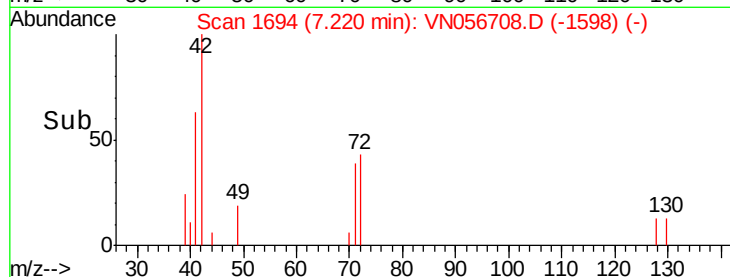
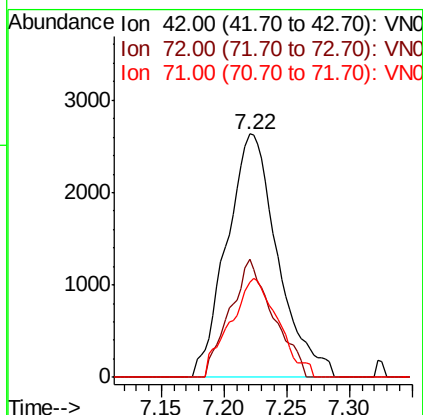
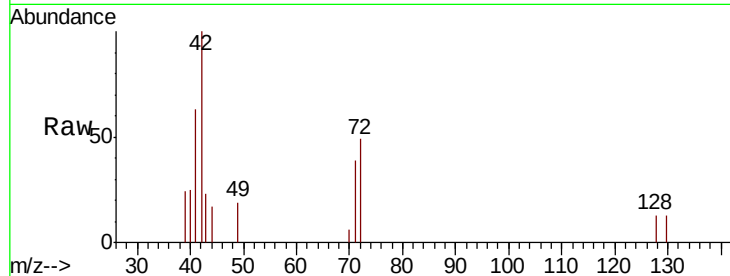




#29
Tetrahydrofuran
Concen: 4.784 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

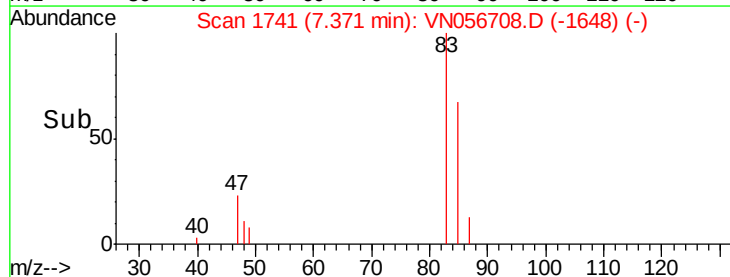
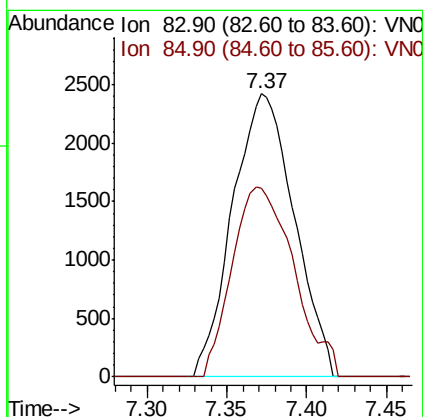
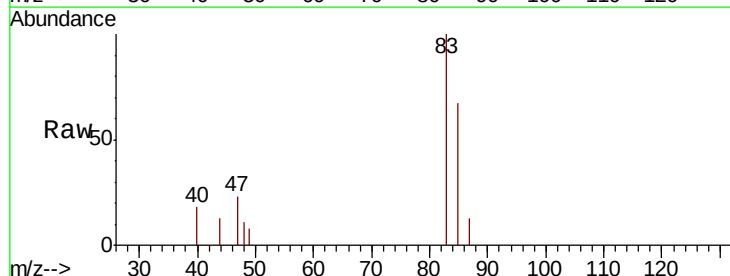
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

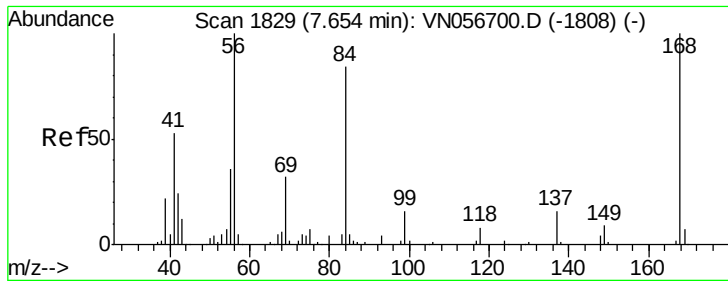
Tot Ion: 42 Resp: 7426
Ion Ratio Lower Upper
42 100
72 41.1 33.5 50.3
71 38.2 31.8 47.8



#30
Chloroform
Concen: 1.076 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 83 Resp: 6399
Ion Ratio Lower Upper
83 100
85 66.7 51.9 77.9

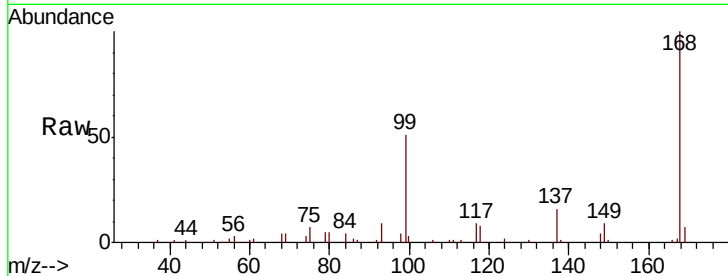




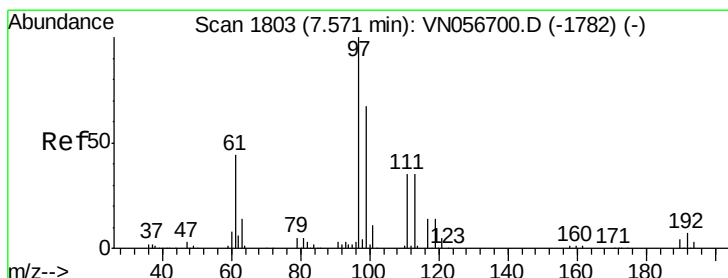
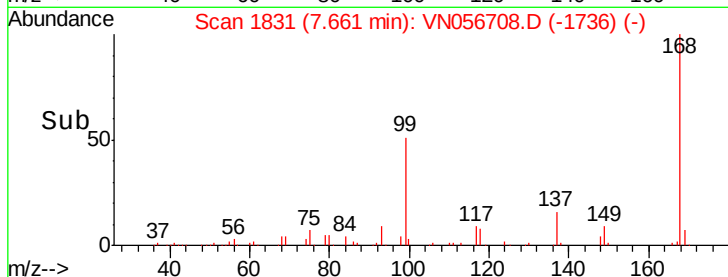
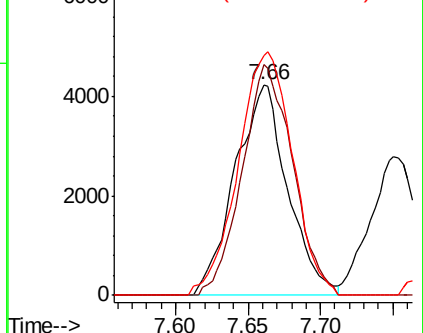
#31
Cyclohexane
Concen: 1.897 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 10711
Ion Ratio Lower Upper
56 100
69 109.5 25.8 38.8#
84 113.8 67.4 101.0#

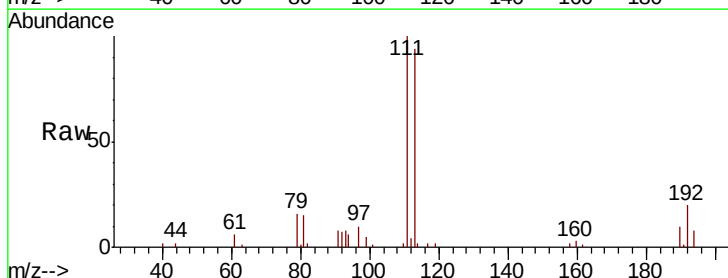


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

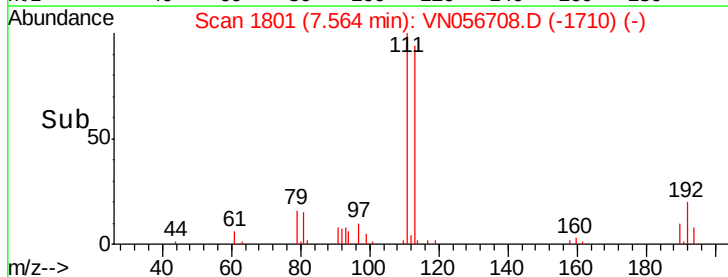
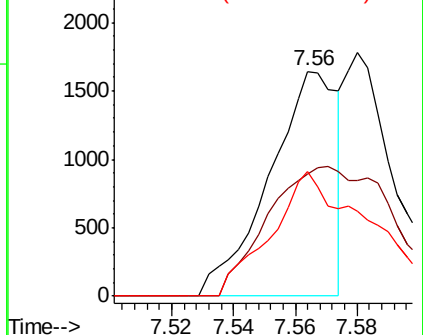


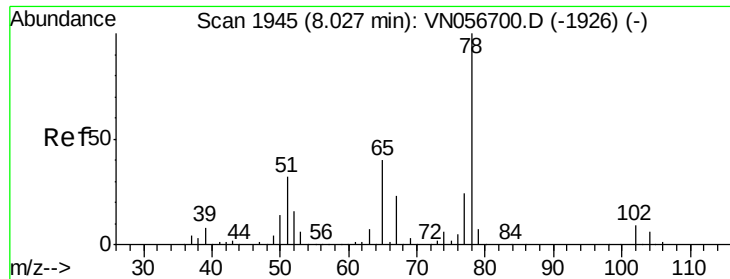
#32
1,1,1-Trichloroethane
Concen: 0.533 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 97 Resp: 2504
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 78.1 34.3 51.5#



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

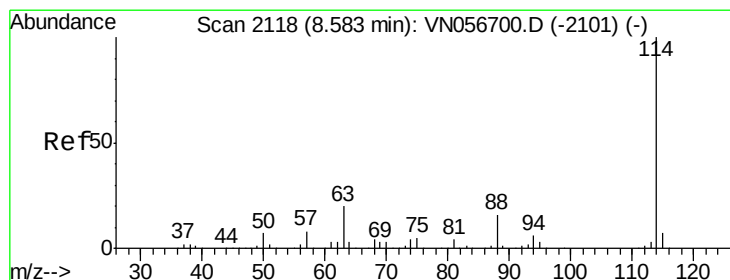
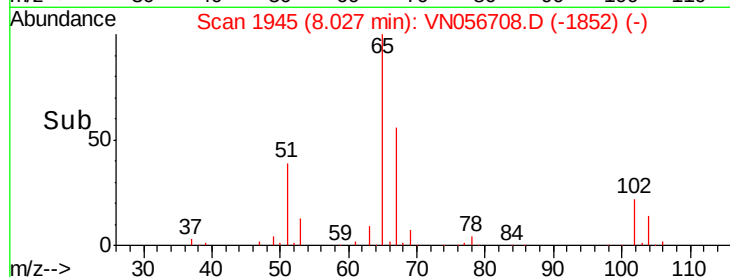
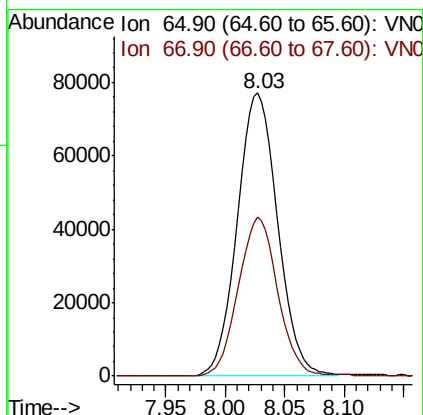
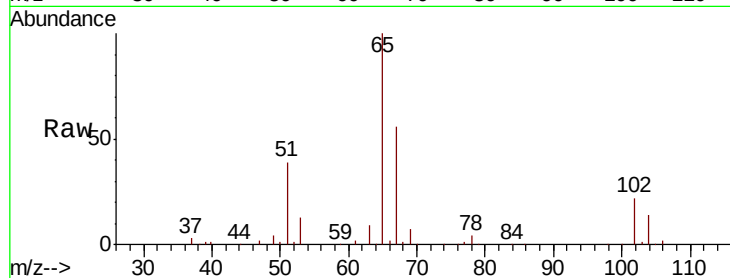




#33
 1,2-Dichloroethane-d4
 Concen: 51.385 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

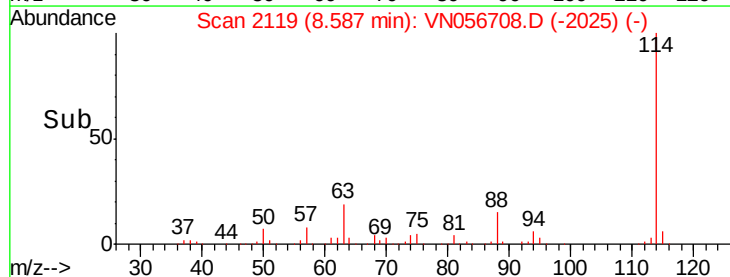
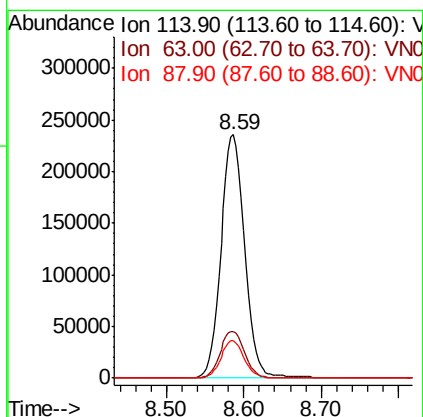
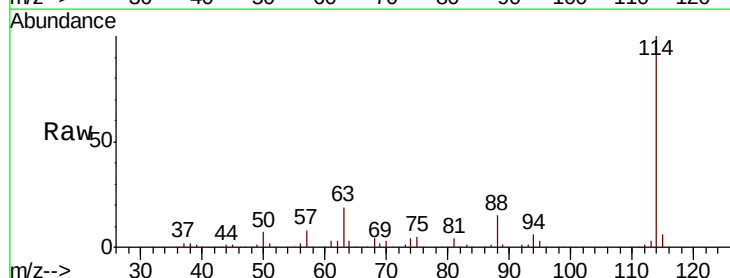
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

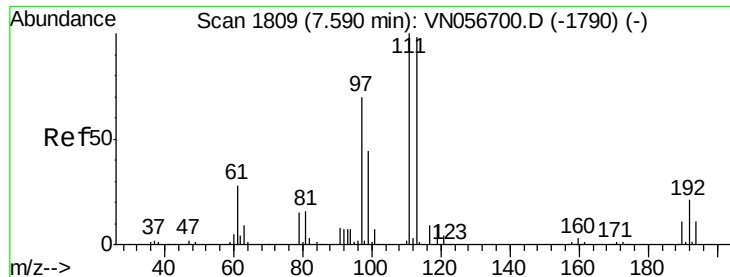
Tot Ion: 65 Resp: 181512
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 114 Resp: 502613
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 15.3 0.0 31.2

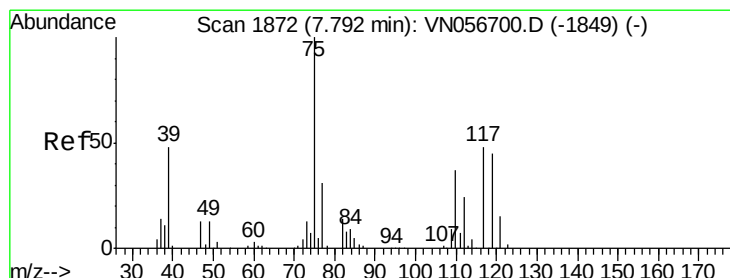
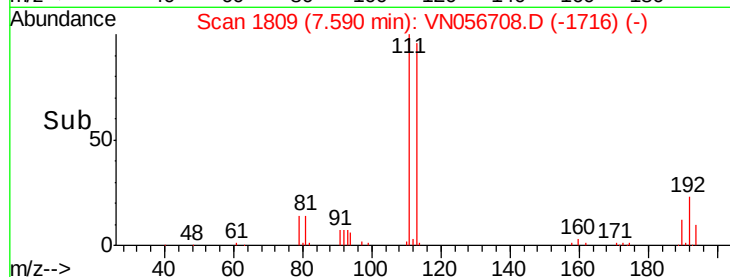
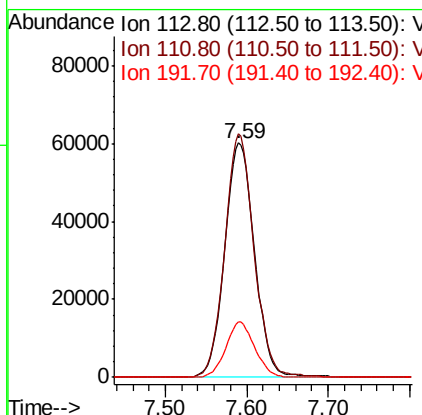
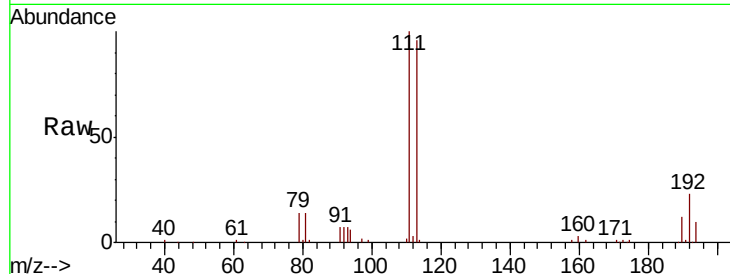




#35
 Dibromofluoromethane
 Concen: 49.354 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

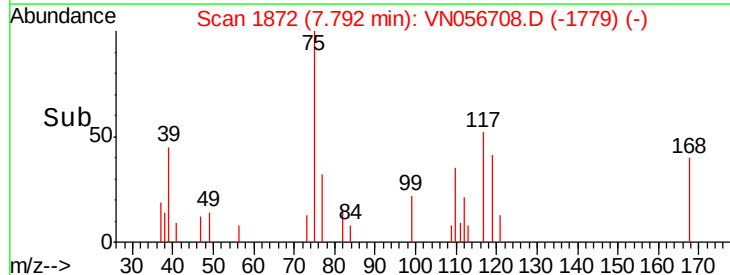
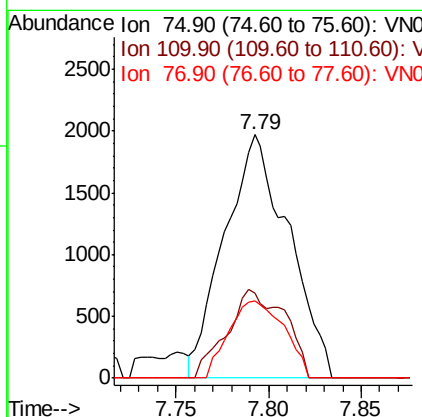
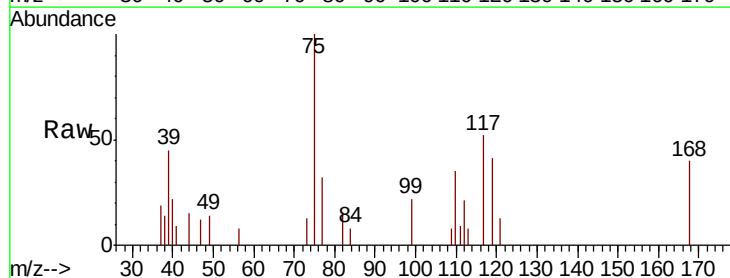
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

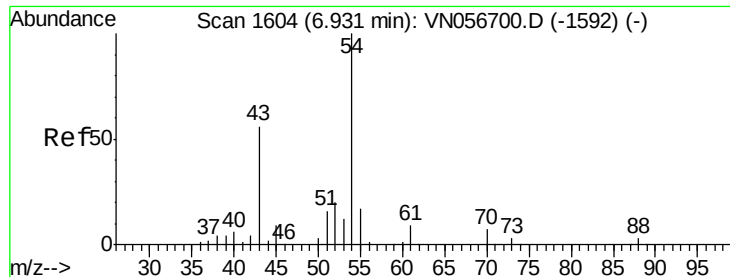
Tot Ion:113 Resp: 154372
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 22.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 1.014 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 75 Resp: 4716
 Ion Ratio Lower Upper
 75 100
 110 32.6 18.4 55.4
 77 27.4 24.6 36.8

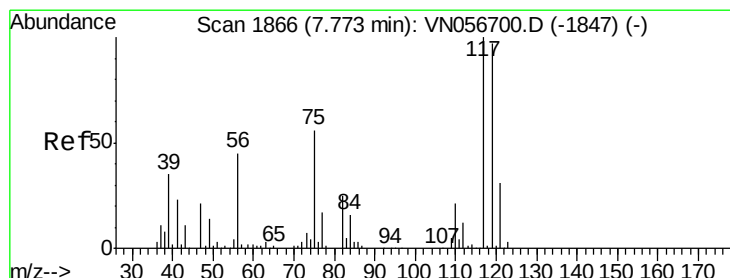
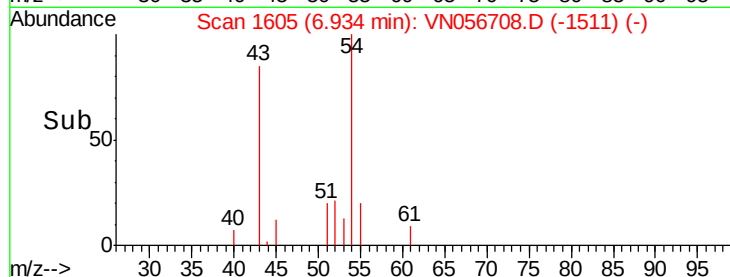
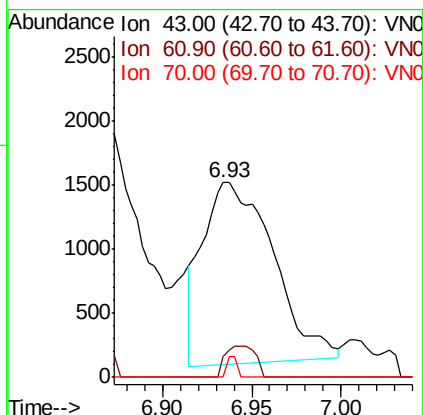
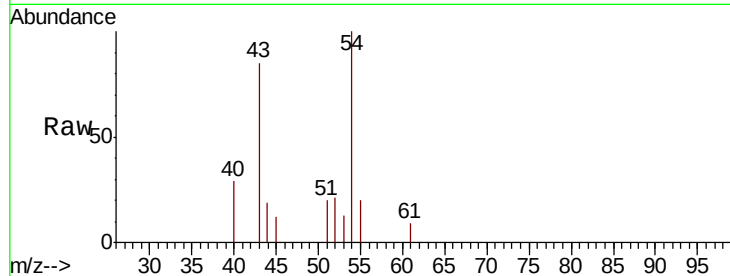




#37
Ethyl Acetate
Concen: 0.849 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

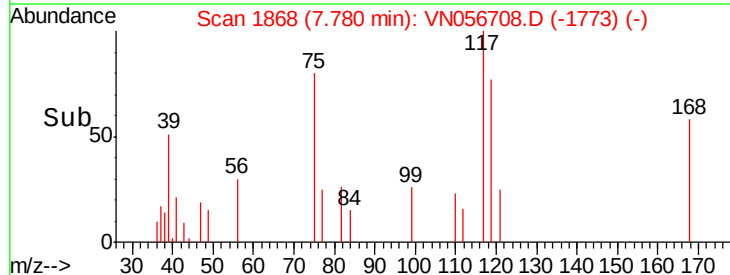
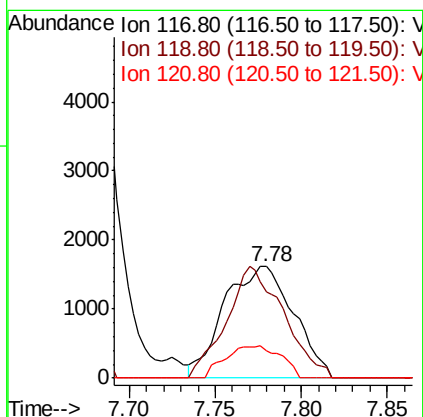
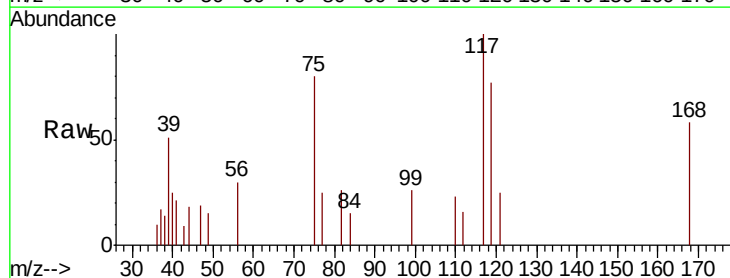
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

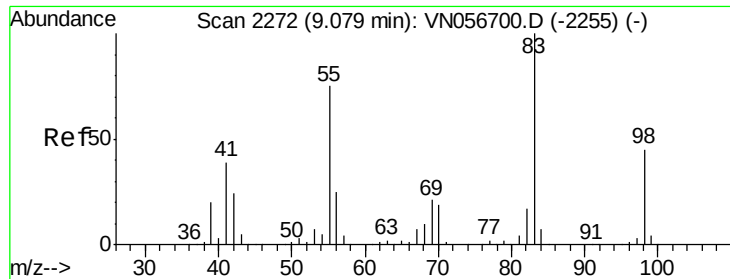
Tot Ion: 43 Resp: 3892
Ion Ratio Lower Upper
43 100
61 7.3 11.3 16.9#
70 1.6 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 1.036 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.01 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 117 Resp: 4520
Ion Ratio Lower Upper
117 100
119 77.1 77.5 116.3#
121 25.0 24.7 37.1

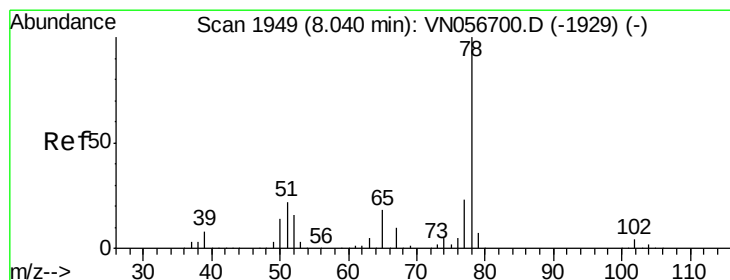
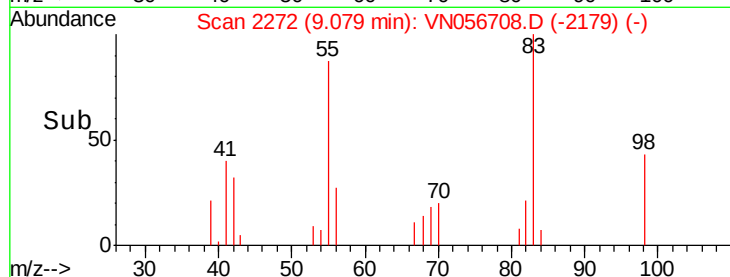
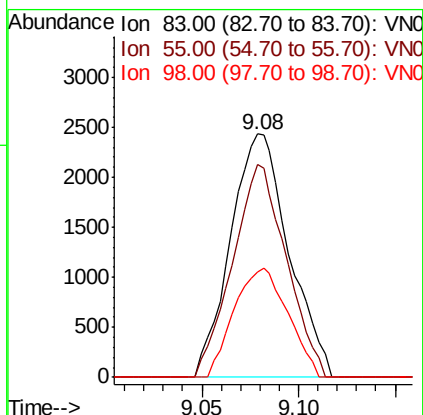
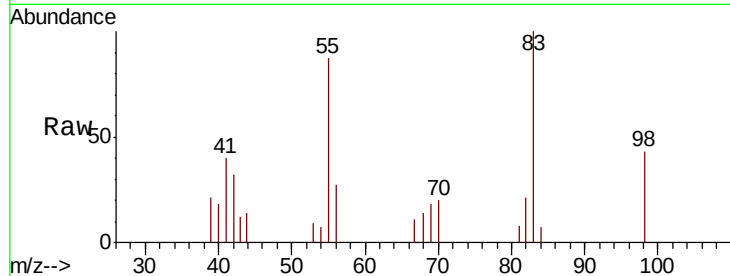




#39
Methylvlcyclohexane
Concen: 0.890 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

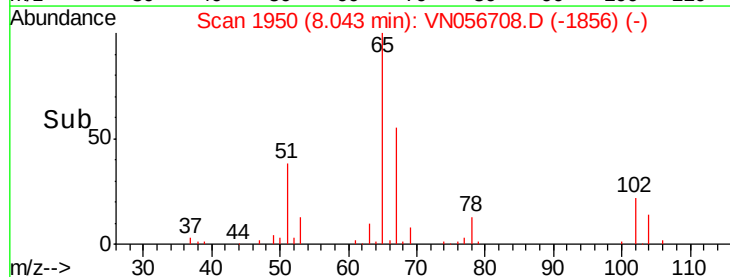
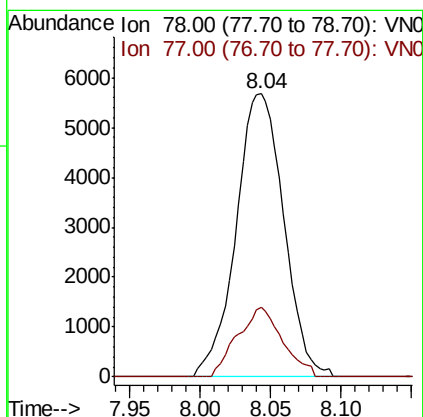
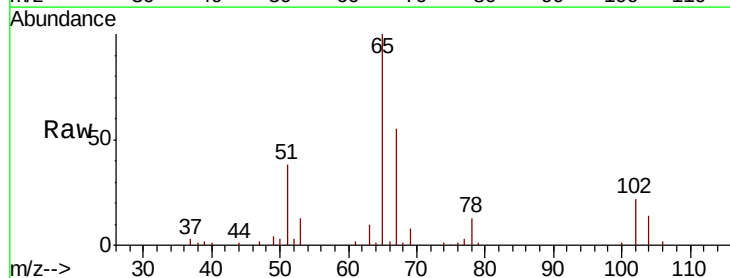
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

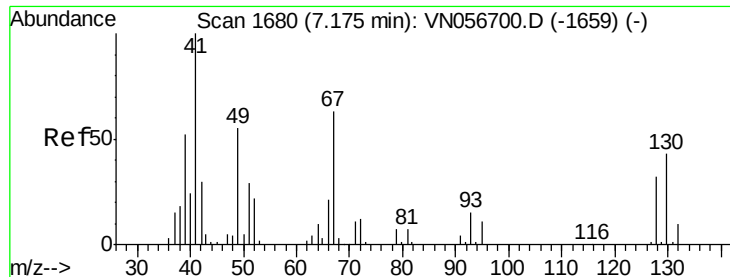
Tot Ion: 83 Resp: 5112
Ion Ratio Lower Upper
83 100
55 87.5 60.4 90.6
98 43.1 35.8 53.8



#40
Benzene
Concen: 0.942 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 78 Resp: 13428
Ion Ratio Lower Upper
78 100
77 24.6 18.6 27.8

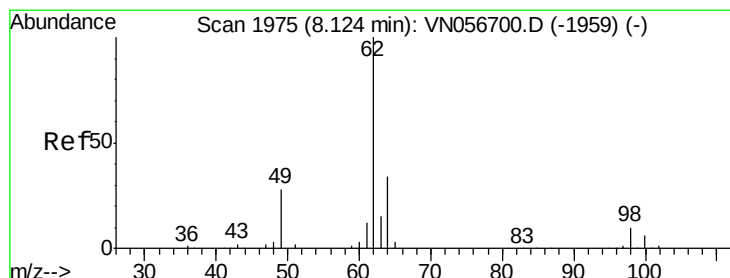
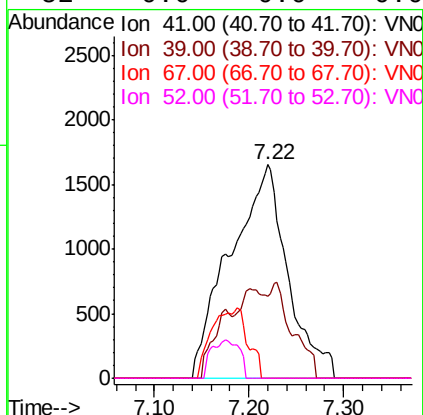
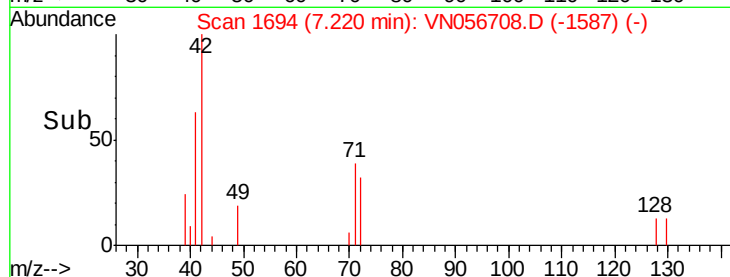
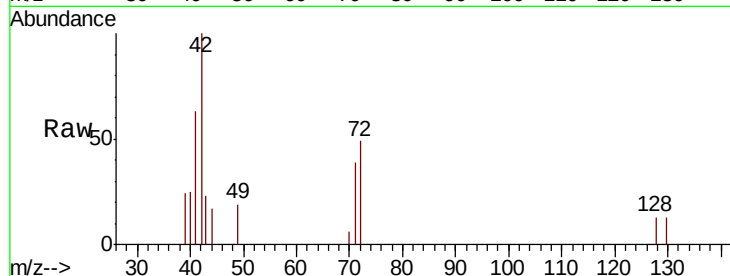




#41
Methacrylonitrile
Concen: 3.461 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.04 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

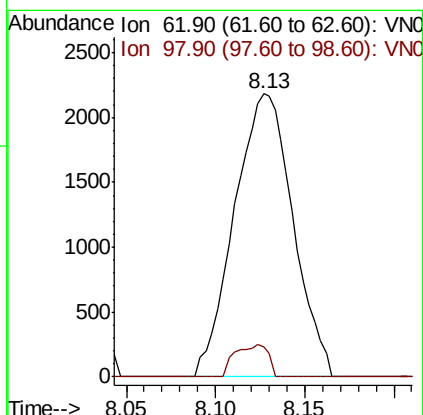
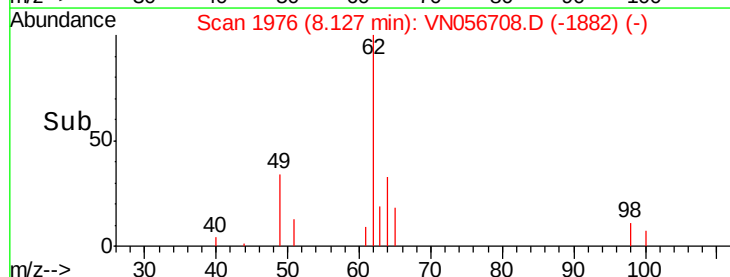
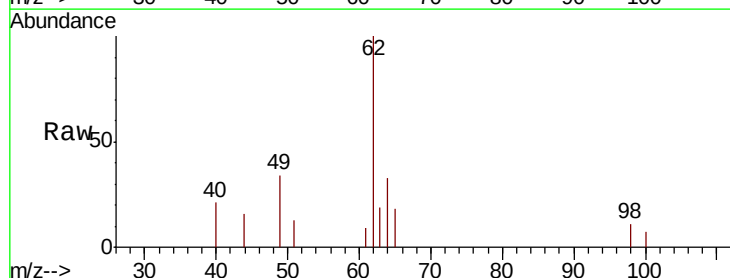
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

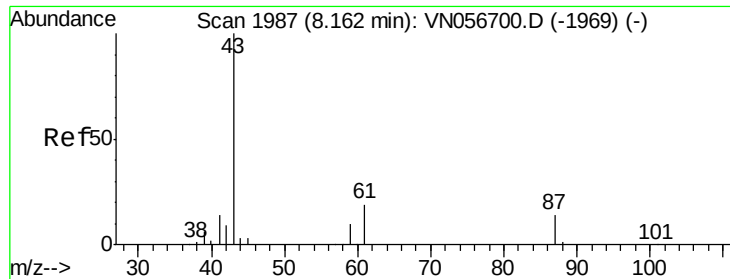
Tot Ion:	41	Resp:	6969
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 1.109 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion:	62	Resp:	4994
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	19.8





#43

Isopropyl Acetate

Concen: 0.960 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

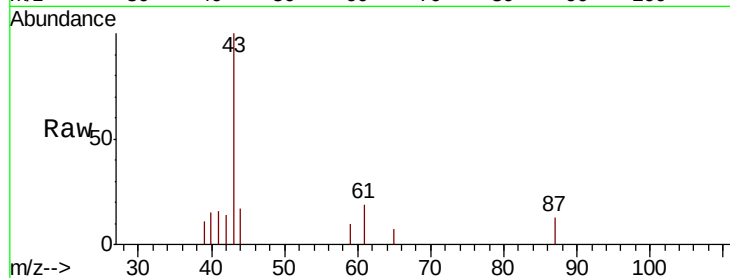
Tot Ion: 43 Resp: 6916

Ion Ratio Lower Upper

43 100

61 25.5 22.3 33.5

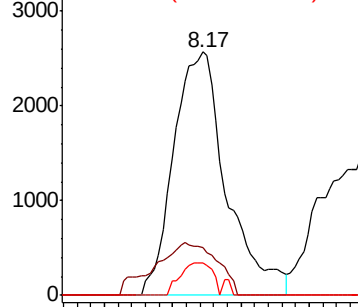
87 8.1 11.1 16.7#



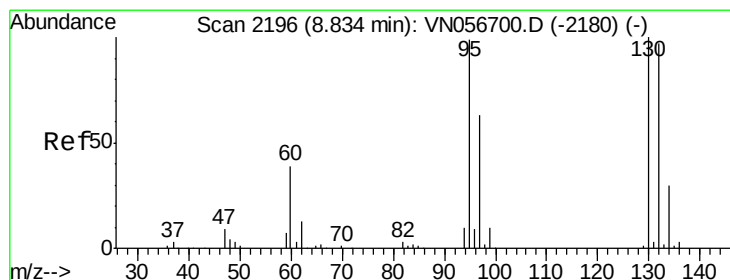
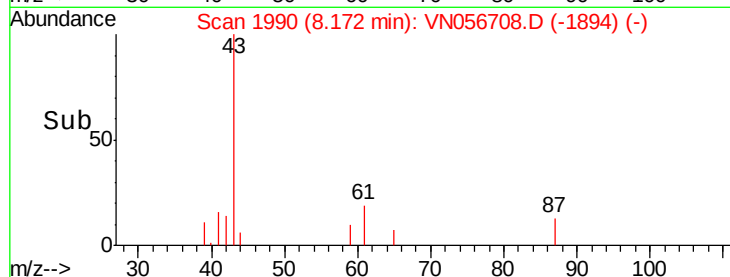
Abundance Ion 43.00 (42.70 to 43.70): VN056708.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN056708.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN056708.D (-1990) (-)



Time-->



#44

Trichloroethene

Concen: 0.930 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056708.D

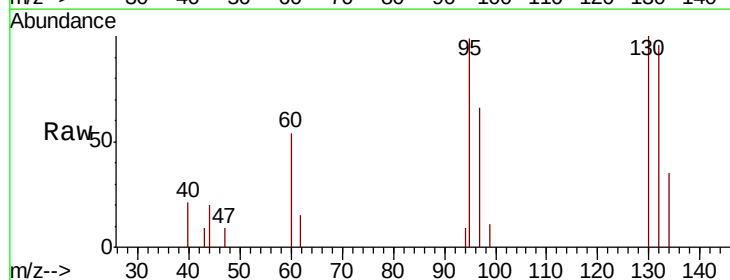
Acq: 15 Jul 2019 13:43

Tgt Ion: 130 Resp: 3600

Ion Ratio Lower Upper

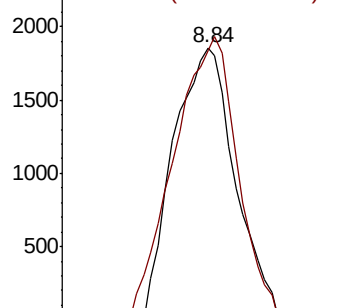
130 100

95 99.0 0.0 197.2

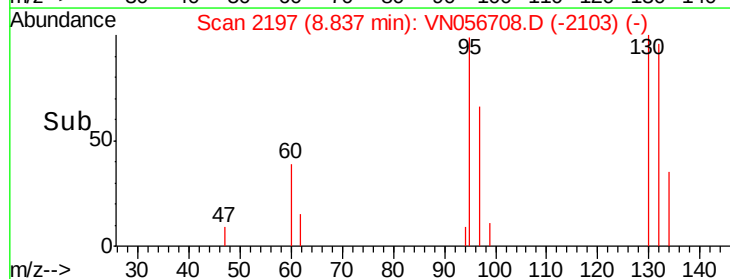


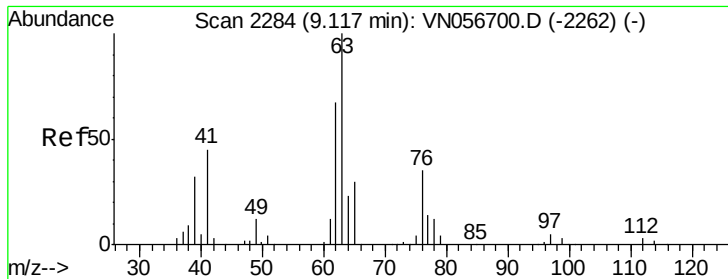
Abundance Ion 129.80 (129.50 to 130.50): VN056708.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN056708.D (-2197) (-)



Time-->

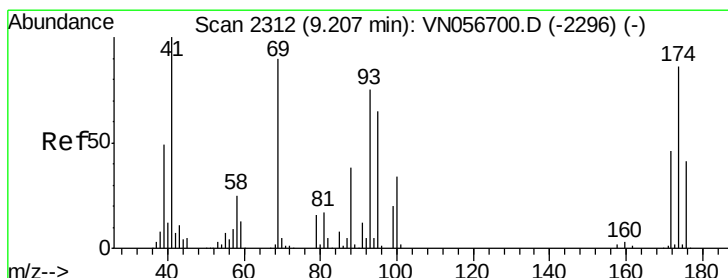
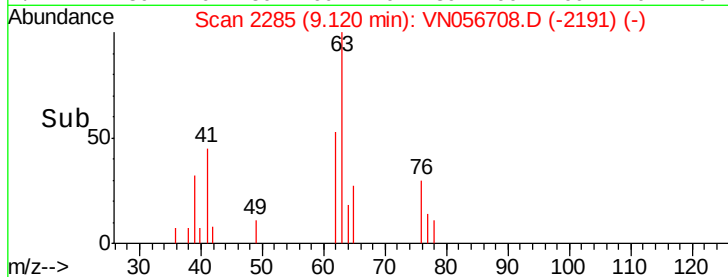
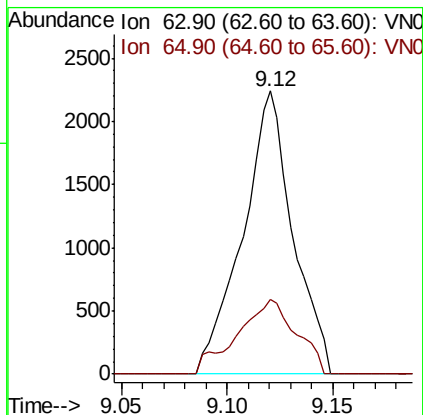
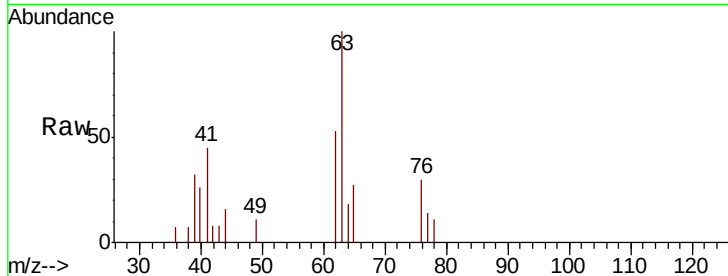




#45
 1,2-Dichloropropane
 Concen: 0.981 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

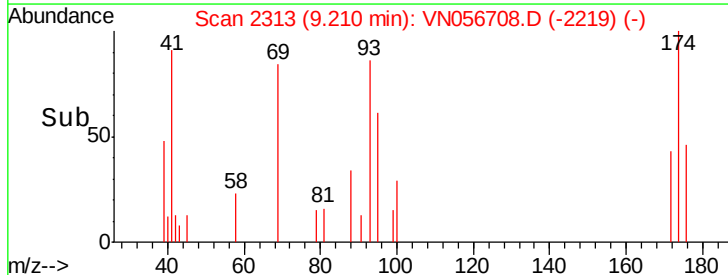
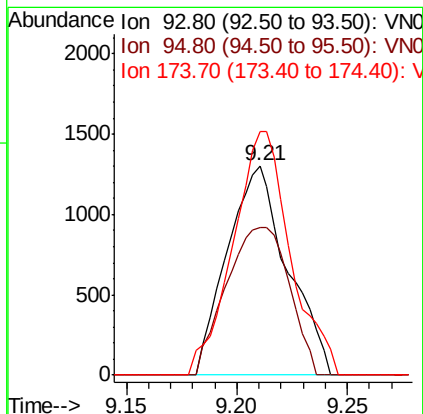
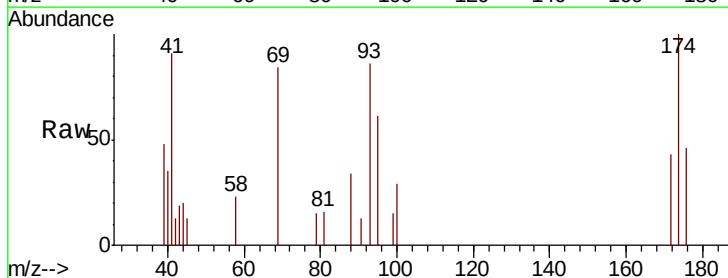
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

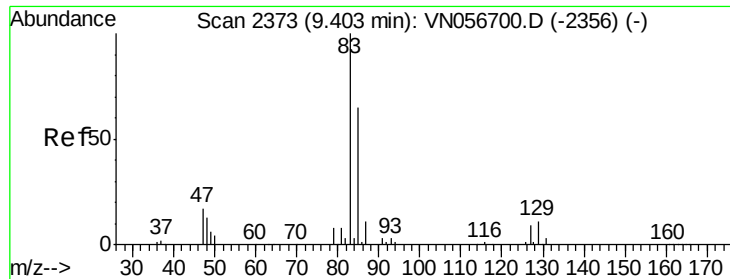
Tot Ion: 63 Resp: 3713
 Ion Ratio Lower Upper
 63 100
 65 26.6 24.0 36.0



#46
 Dibromomethane
 Concen: 1.050 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 93 Resp: 2465
 Ion Ratio Lower Upper
 93 100
 95 73.7 67.4 101.0
 174 111.2 90.3 135.5





#47

Bromodichloromethane

Concen: 0.849 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

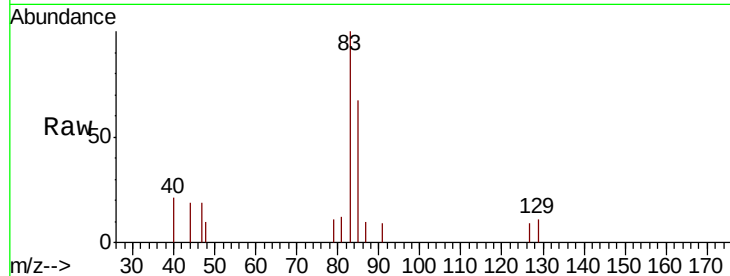
Tot Ion: 83 Resp: 3785

Ion Ratio Lower Upper

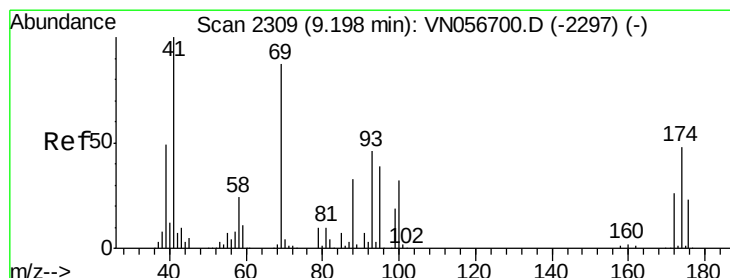
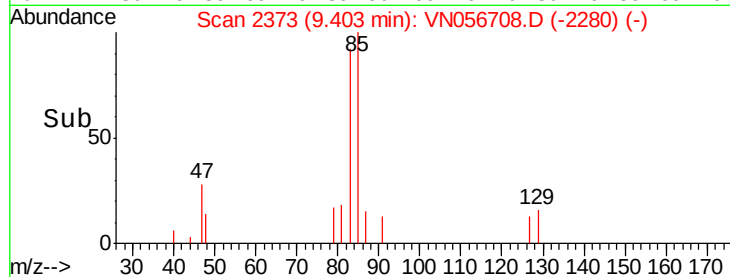
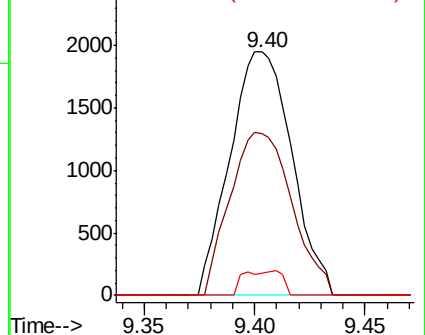
83 100

85 66.5 52.3 78.5

127 8.9 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 0.967 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

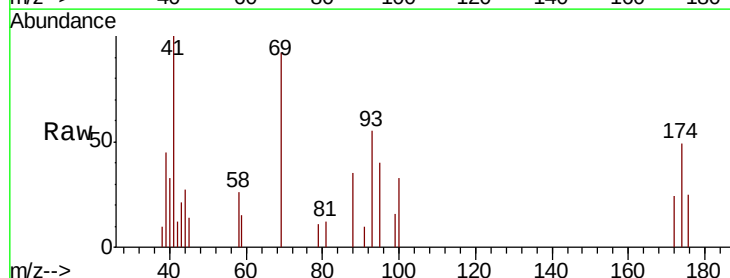
Tgt Ion: 41 Resp: 3369

Ion Ratio Lower Upper

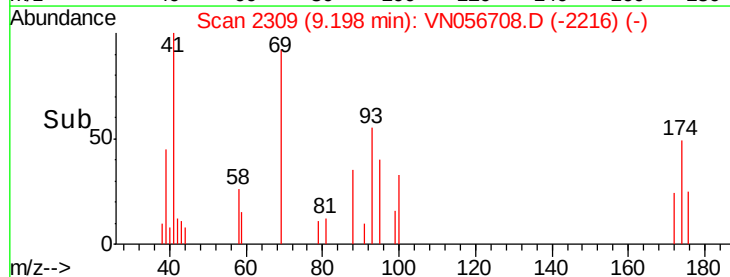
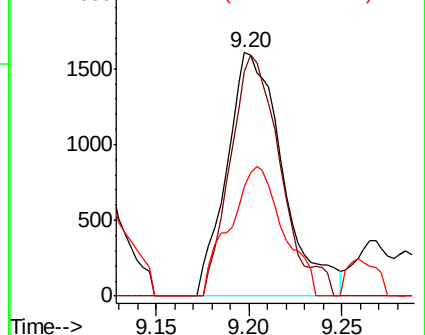
41 100

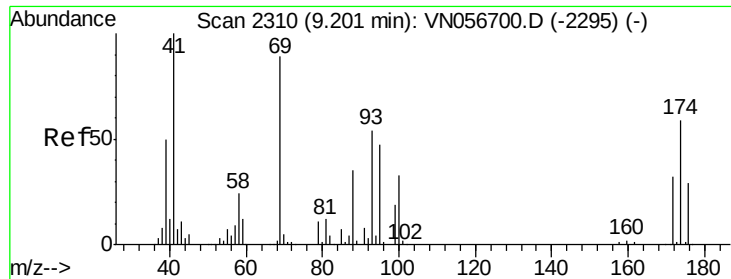
69 88.8 71.4 107.0

39 50.7 41.2 61.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

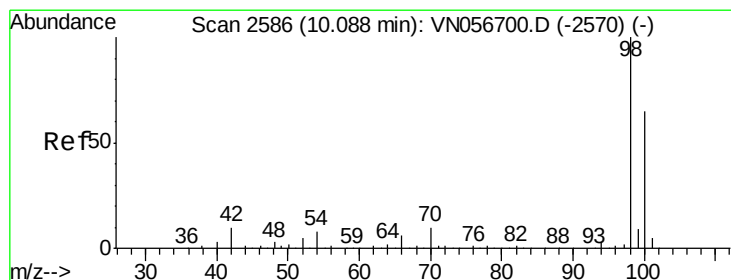
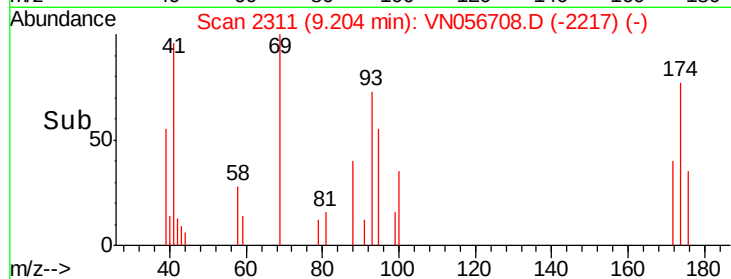
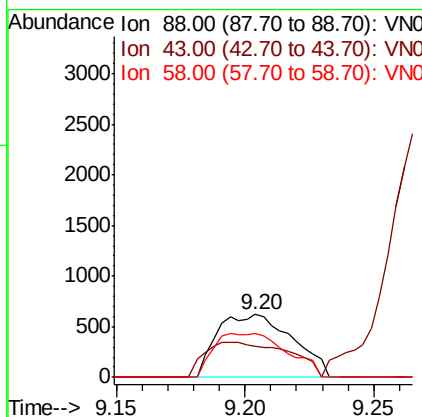
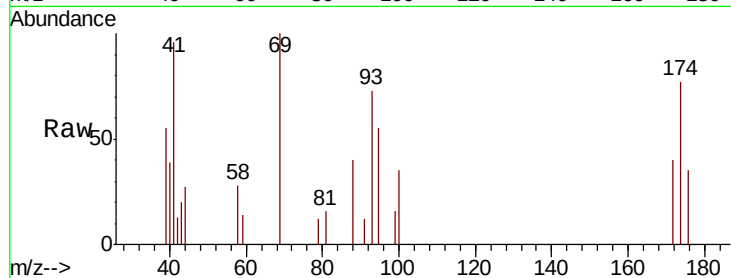




#49
1,4-Dioxane
Concen: 17.592 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

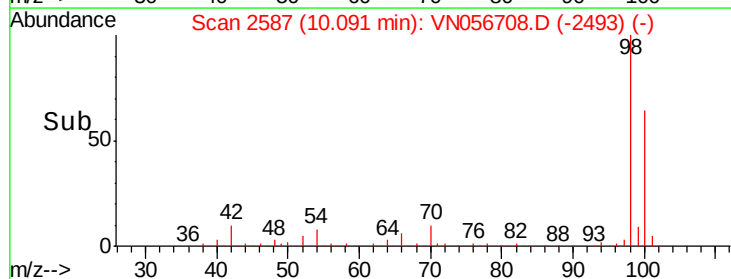
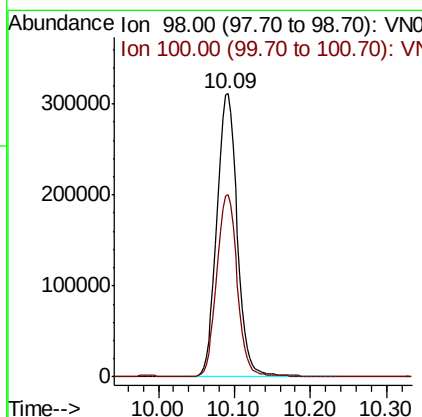
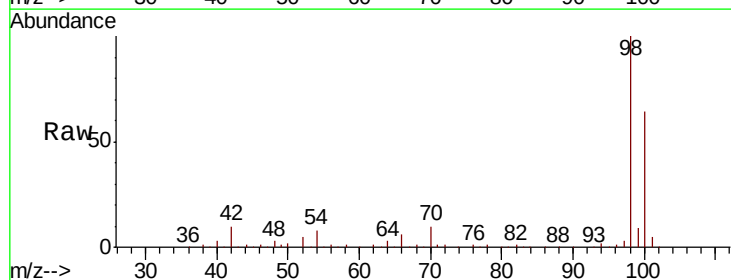
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

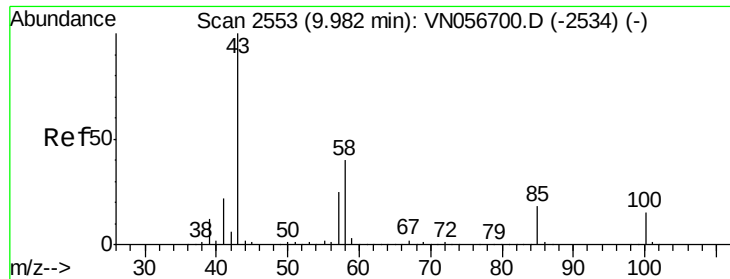
Tot Ion: 88 Resp: 1258
Ion Ratio Lower Upper
88 100
43 63.2 23.7 35.5#
58 68.0 55.6 83.4



#50
Toluene-d8
Concen: 48.309 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 98 Resp: 583599
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.701 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

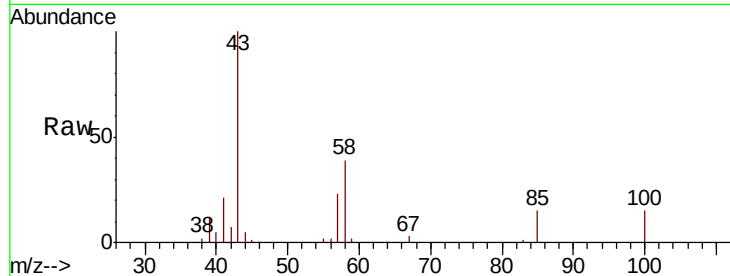
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 21941

Ion Ratio Lower Upper

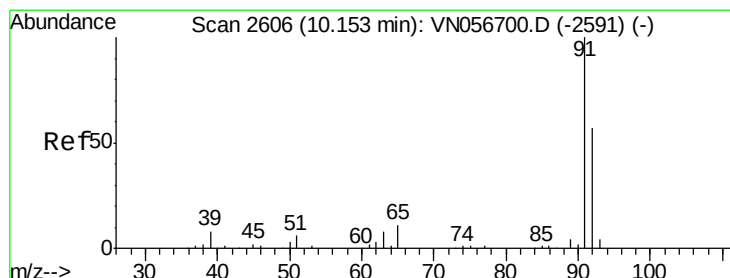
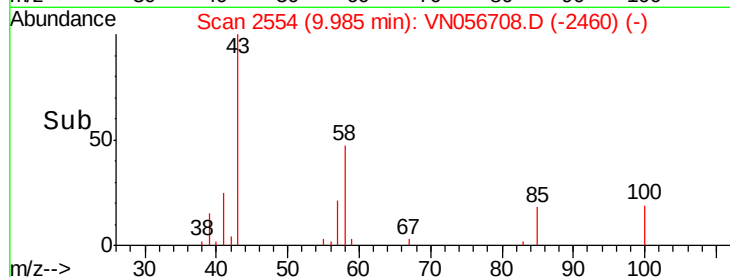
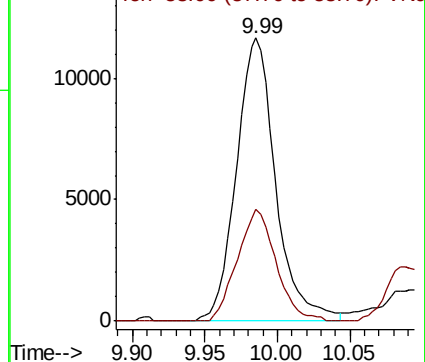
43 100

58 38.9 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 1.021 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056708.D

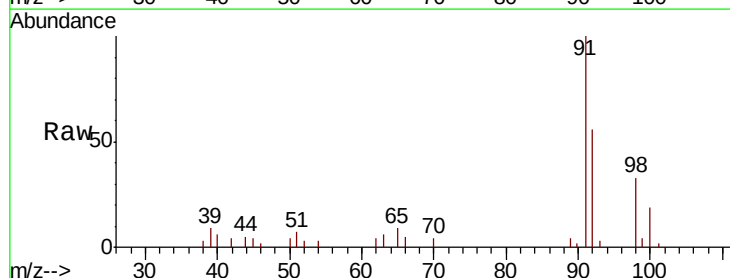
Acq: 15 Jul 2019 13:43

Tgt Ion: 92 Resp: 8640

Ion Ratio Lower Upper

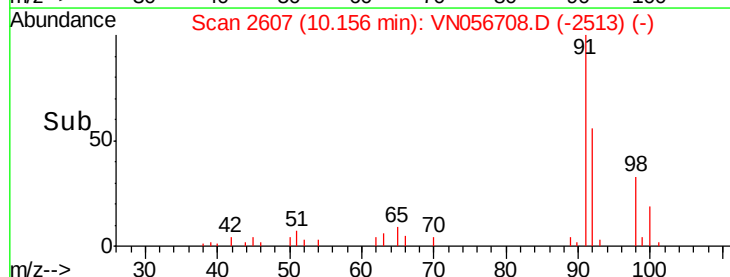
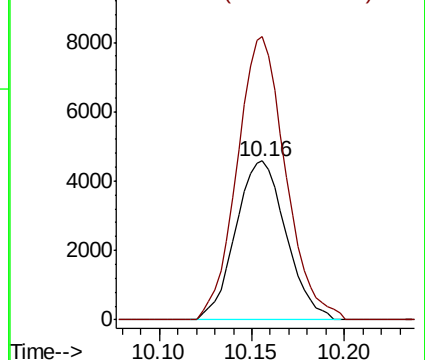
92 100

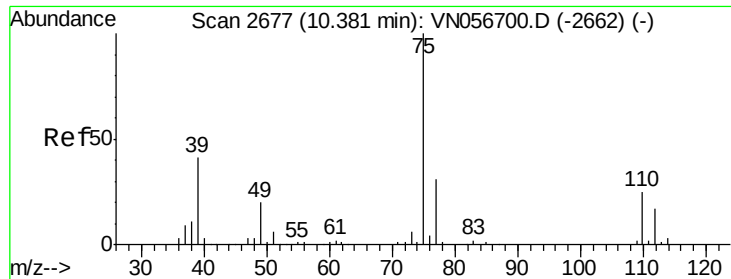
91 171.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

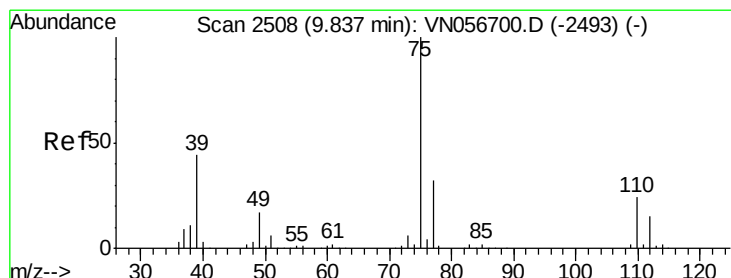
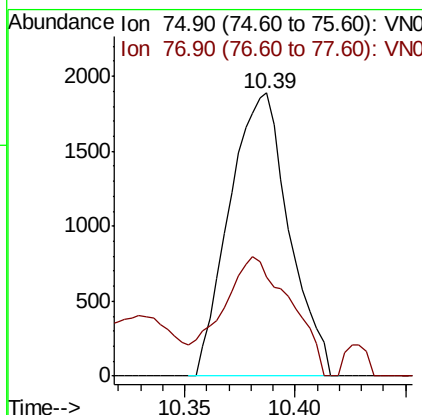
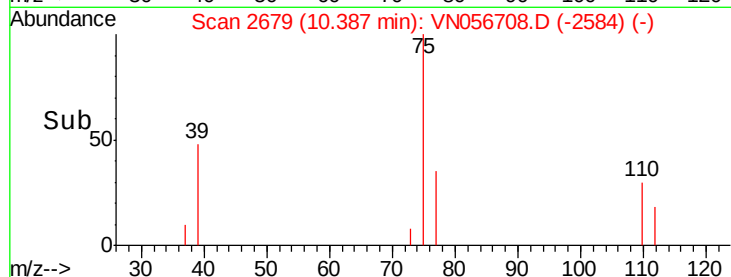
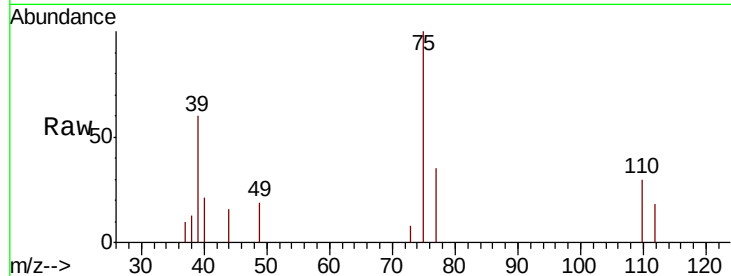




#53
 t-1,3-Dichloropropene
 Concen: 0.760 ug/l
 RT: 10.39 min Scan# 2679
 Delta R.T. 0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

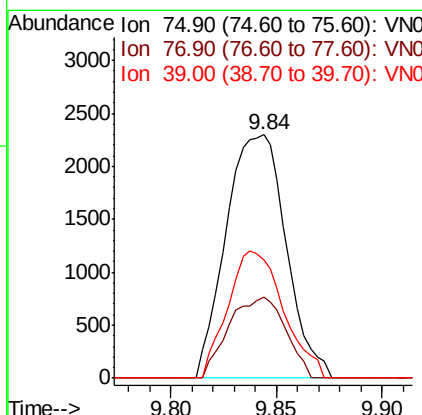
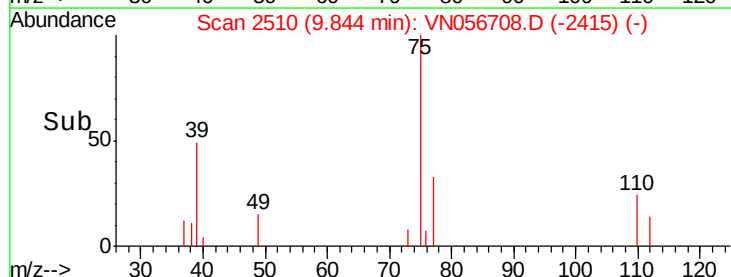
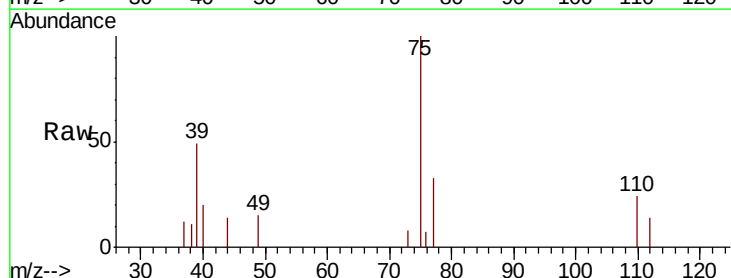
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

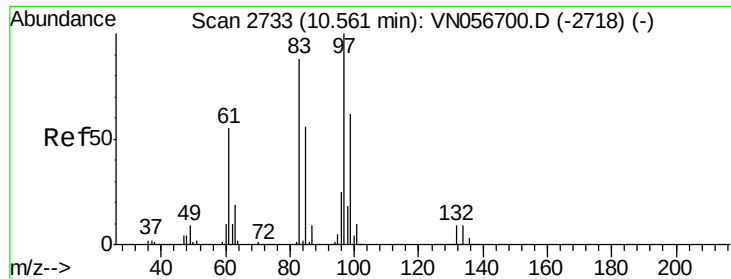
Tot Ion: 75 Resp: 3536
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 0.840 ug/l
 RT: 9.84 min Scan# 2510
 Delta R.T. 0.01 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 75 Resp: 4537
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.0 39.0
 39 48.6 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 0.871 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 97 Resp: 3091

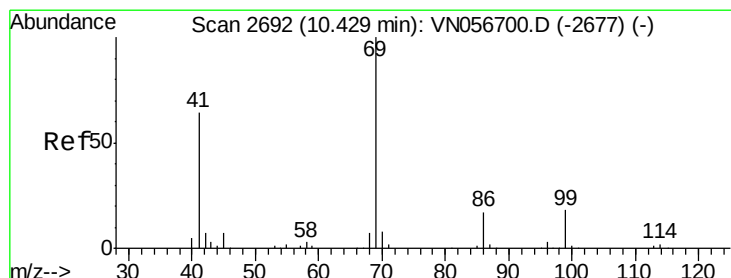
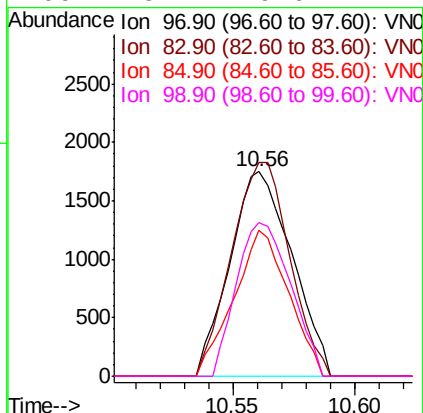
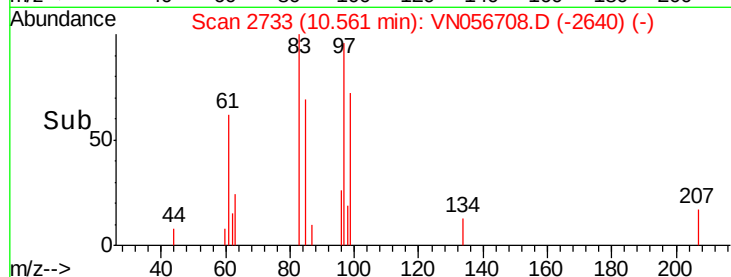
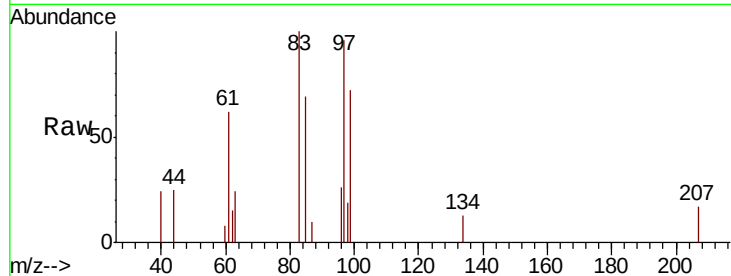
Ion Ratio Lower Upper

97 100

83 104.4 70.3 105.5

85 71.7 44.8 67.2#

99 75.2 49.6 74.4#



#56

Ethyl methacrylate

Concen: 0.807 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

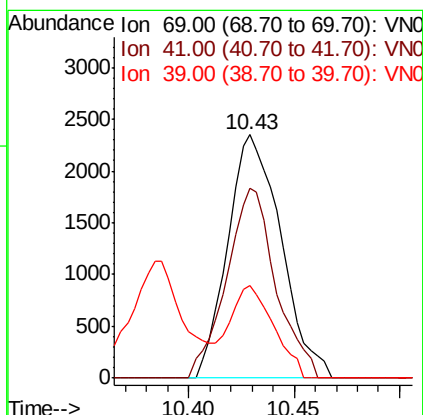
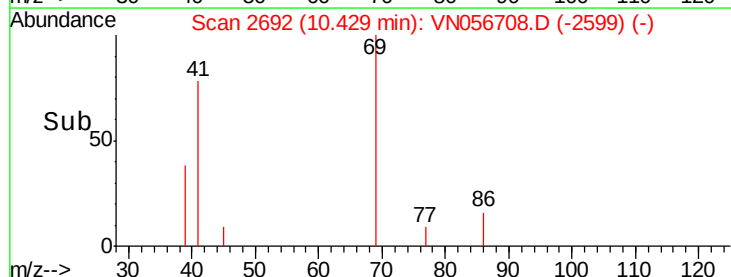
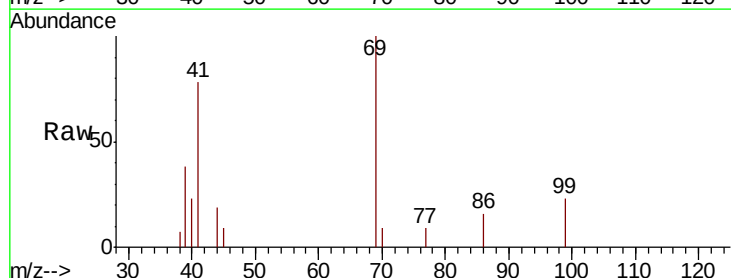
Tgt Ion: 69 Resp: 4121

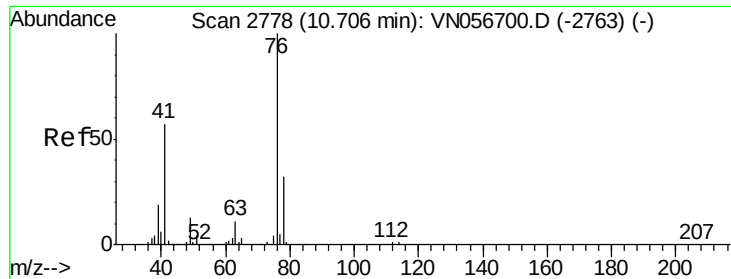
Ion Ratio Lower Upper

69 100

41 72.1 51.0 76.4

39 31.3 24.6 36.8





#57

1,3-Dichloropropane

Concen: 1.004 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

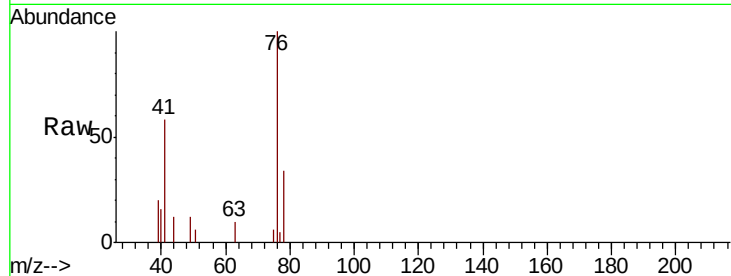
LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 5820

Ion Ratio Lower Upper

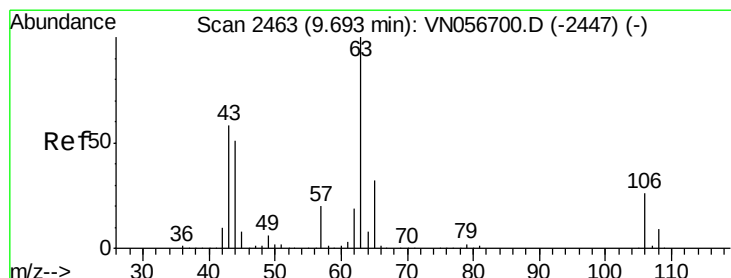
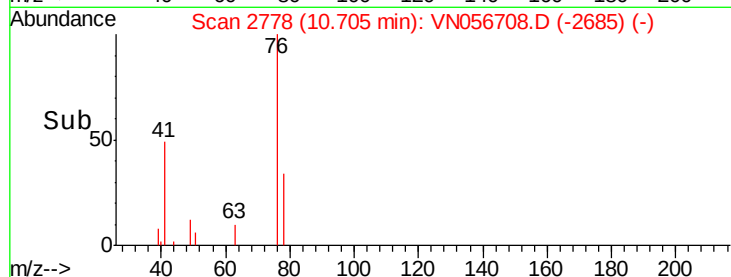
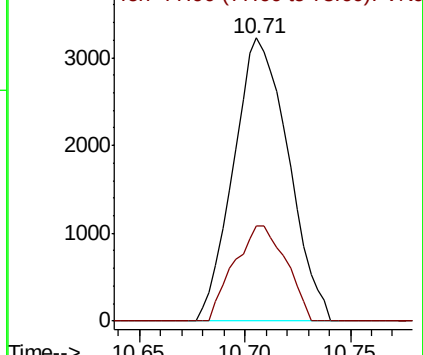
76 100

78 31.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 4.085 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056708.D

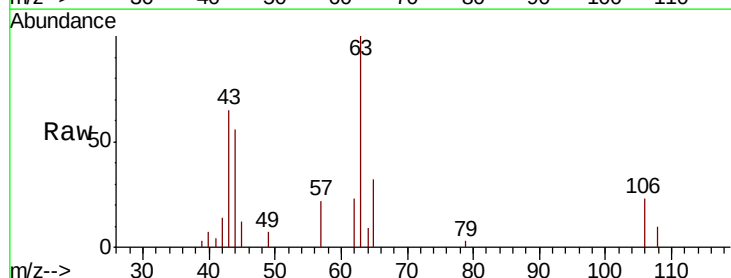
Acq: 15 Jul 2019 13:43

Tgt Ion: 63 Resp: 10034

Ion Ratio Lower Upper

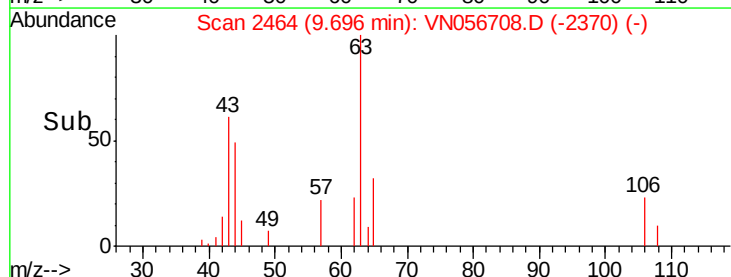
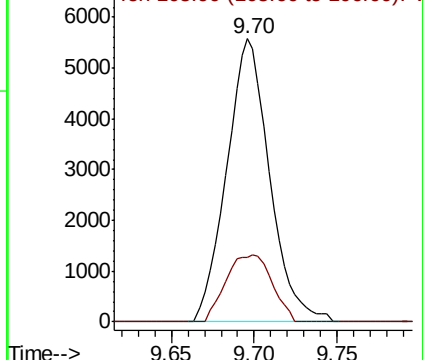
63 100

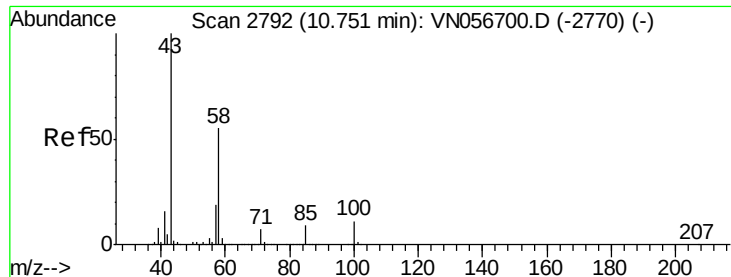
106 25.4 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

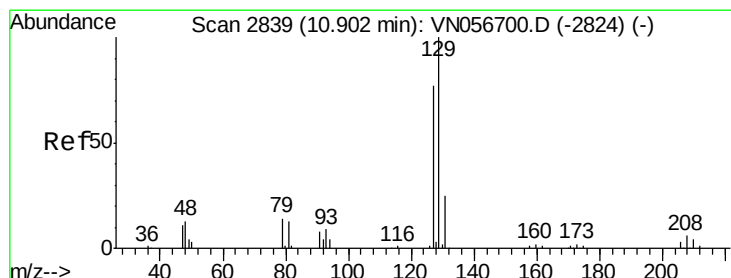
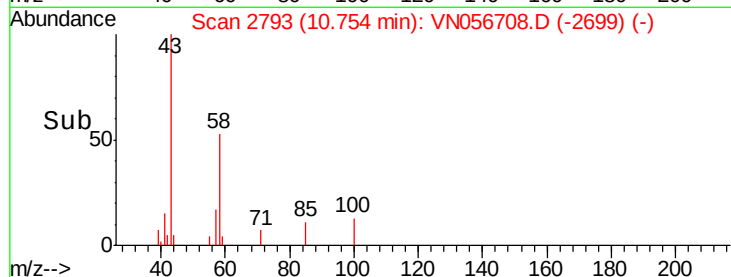
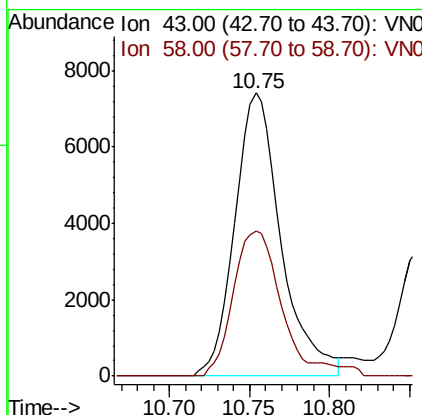
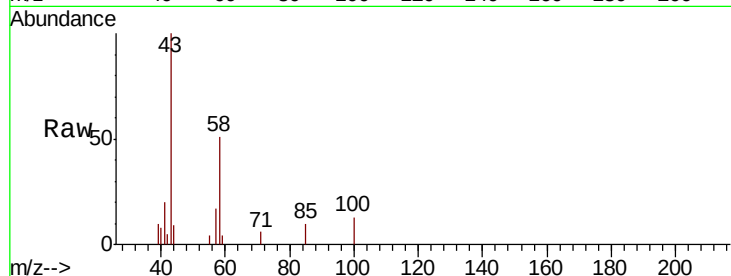




#59
2-Hexanone
Concen: 4.379 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

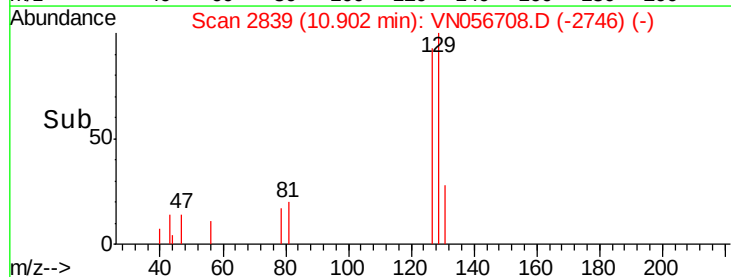
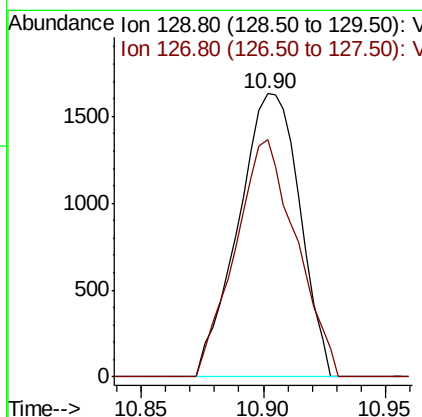
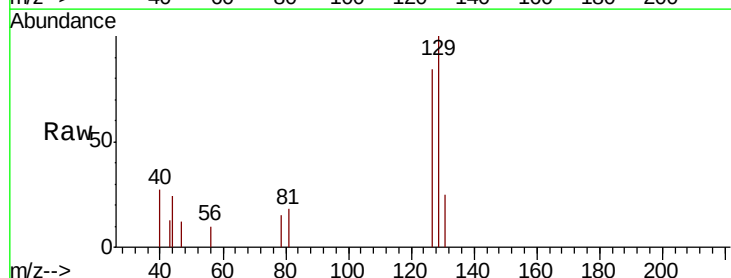
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

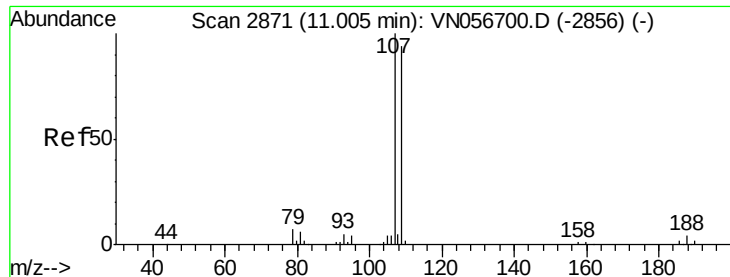
Tot Ion: 43 Resp: 14665
Ion Ratio Lower Upper
43 100
58 53.2 27.9 83.6



#60
Dibromochloromethane
Concen: 0.815 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 129 Resp: 2844
Ion Ratio Lower Upper
129 100
127 83.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 0.868 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

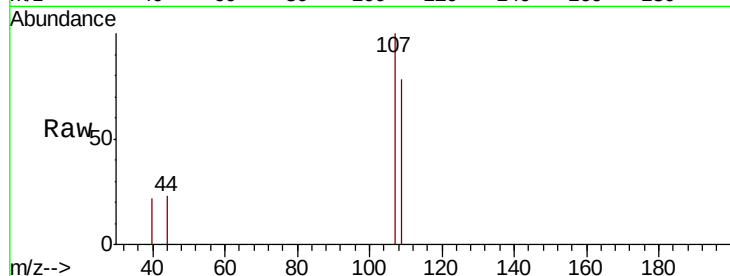
LOQ-WATER-02-QT3-2019

Tot Ion: 107 Resp: 3062

Ion Ratio Lower Upper

107 100

109 91.5 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

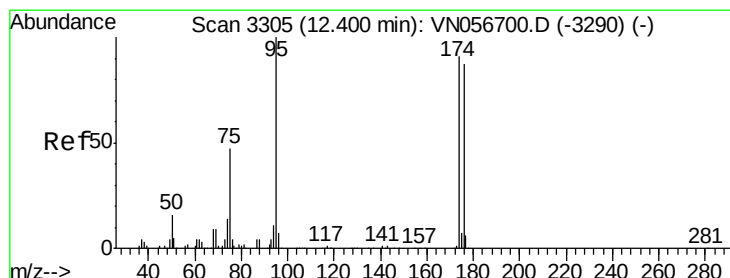
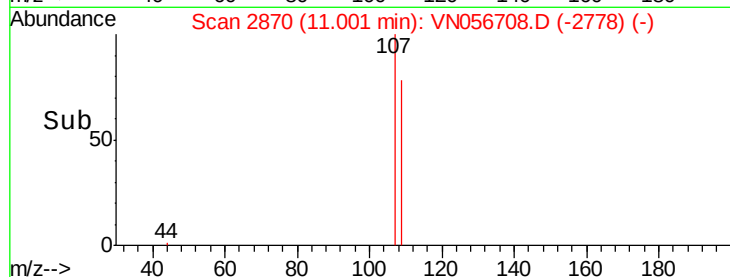
1500

1000

500

0

Time--> 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 41.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

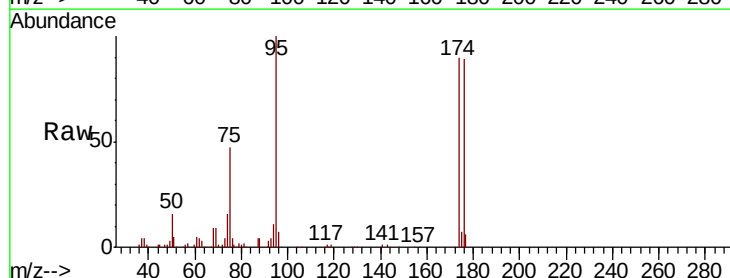
Tgt Ion: 95 Resp: 167428

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.0

176 88.0 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

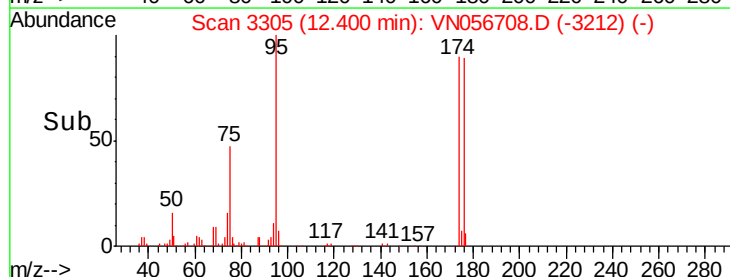
12.40

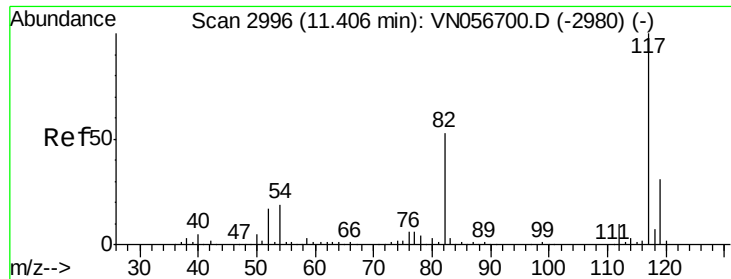
100000

50000

0

Time--> 12.30 12.40 12.50

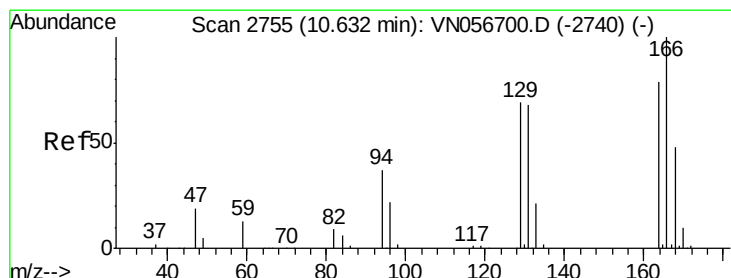
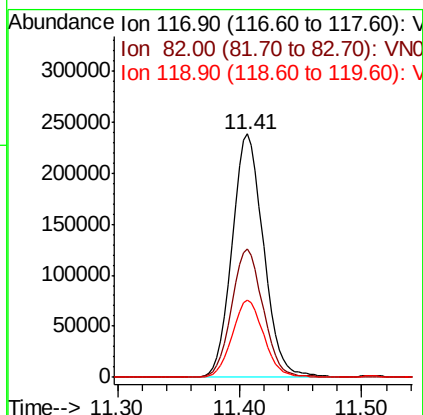
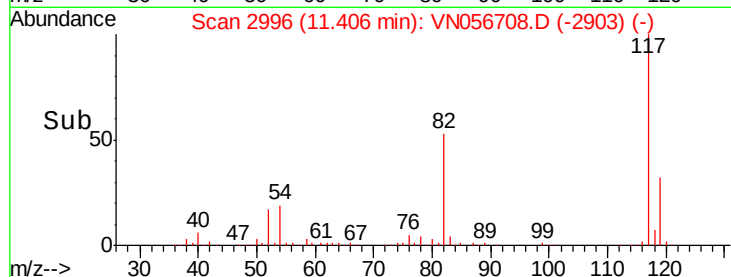
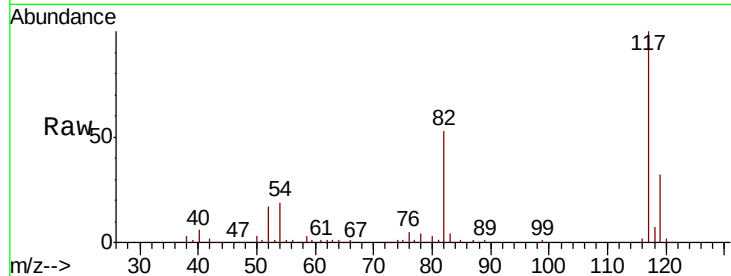




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

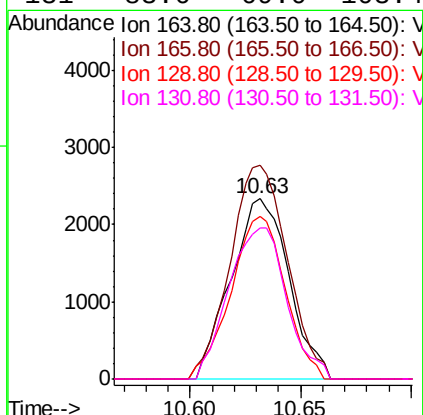
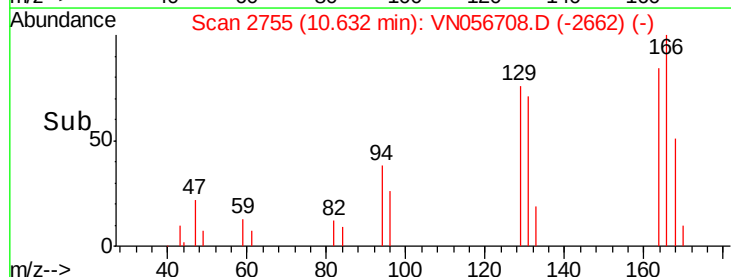
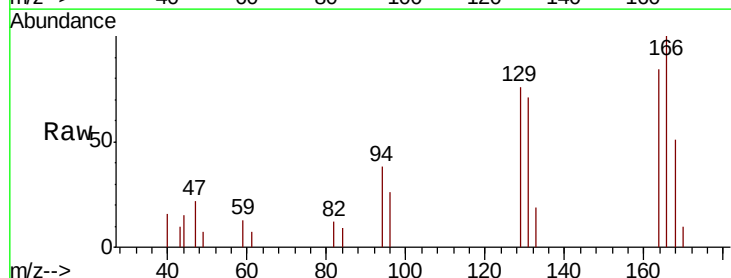
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

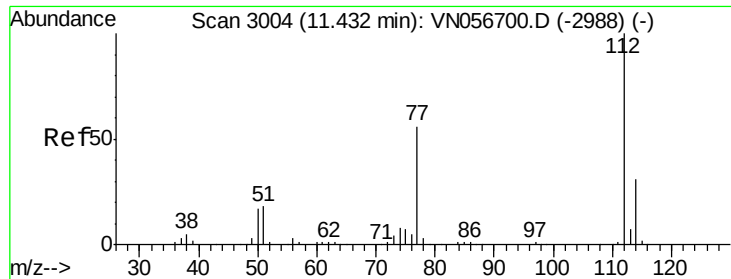
Tot Ion:117 Resp: 427541
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 1.152 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion:164 Resp: 4249
Ion Ratio Lower Upper
164 100
166 118.5 101.4 152.2
129 90.2 69.6 104.4
131 83.6 69.0 103.4





#65

Chlorobenzene

Concen: 1.026 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

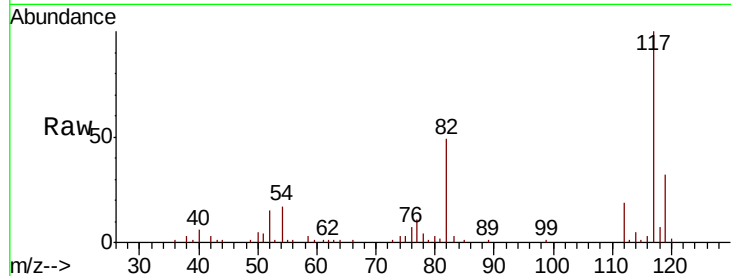
LOQ-WATER-02-QT3-2019

Tot Ion:112 Resp: 8970

Ion Ratio Lower Upper

112 100

114 26.4 25.2 37.8

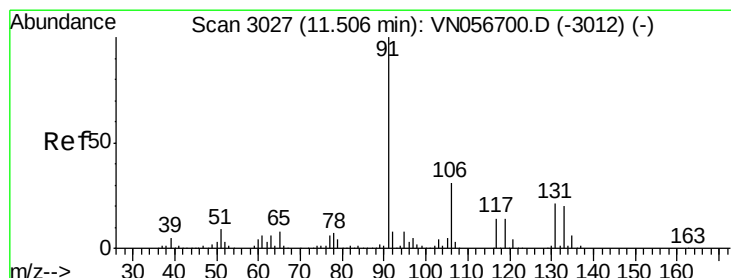
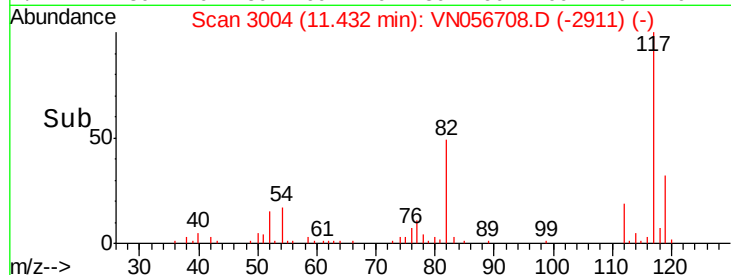


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.864 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

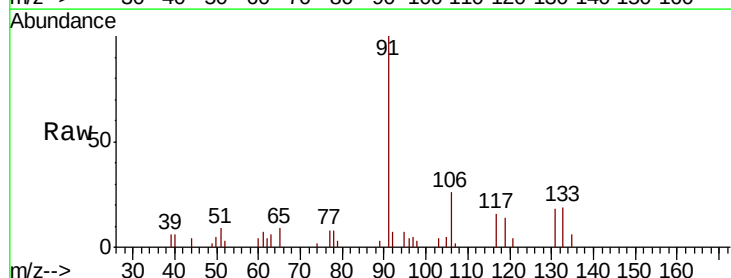
Tgt Ion:131 Resp: 2780

Ion Ratio Lower Upper

131 100

133 100.9 46.9 140.7

119 0.0 32.8 98.3#



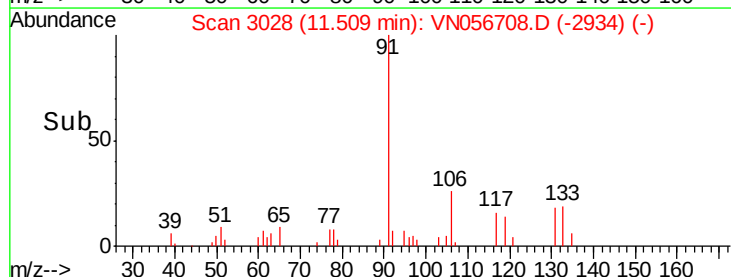
Abundance Ion 130.80 (130.50 to 131.50): V

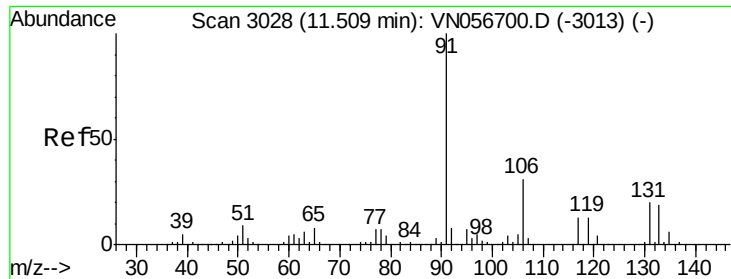
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

Time-->

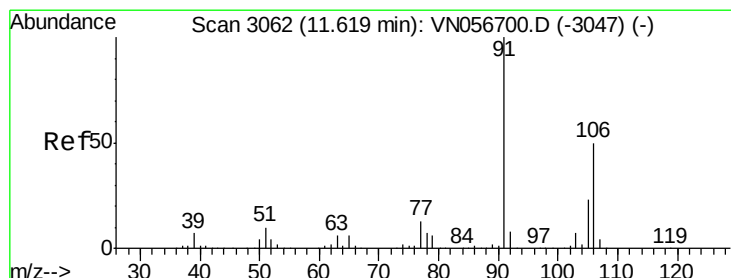
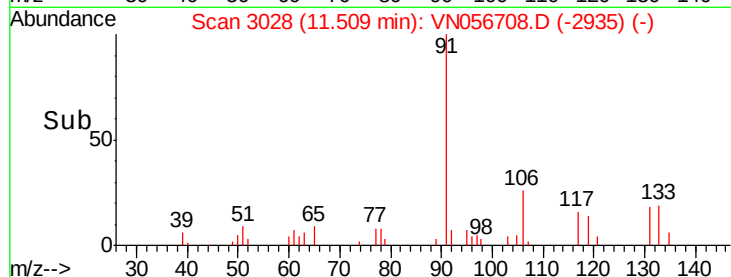
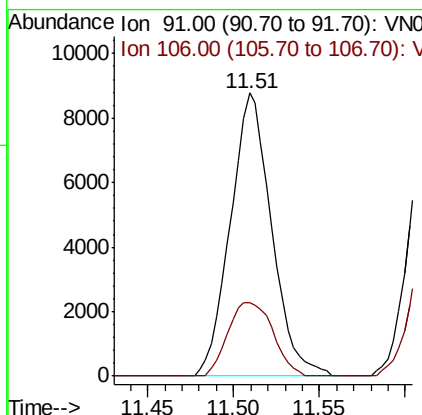
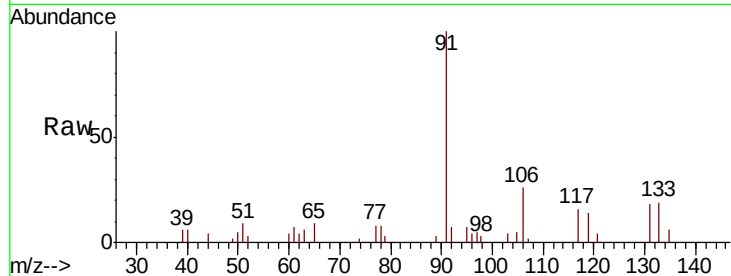




#67
Ethyl Benzene
Concen: 0.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

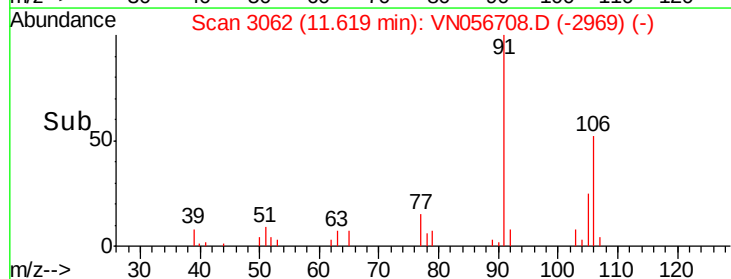
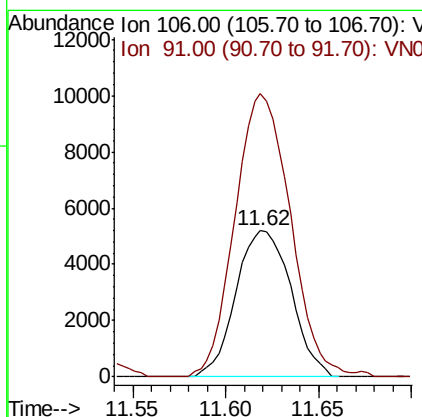
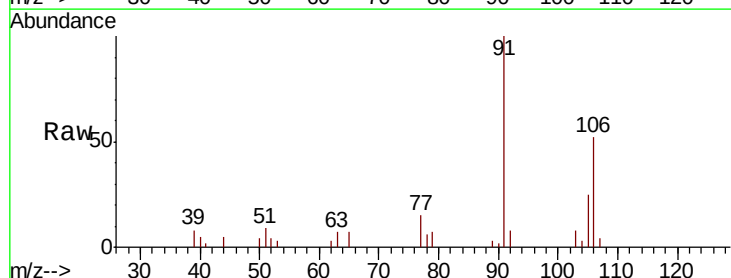
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

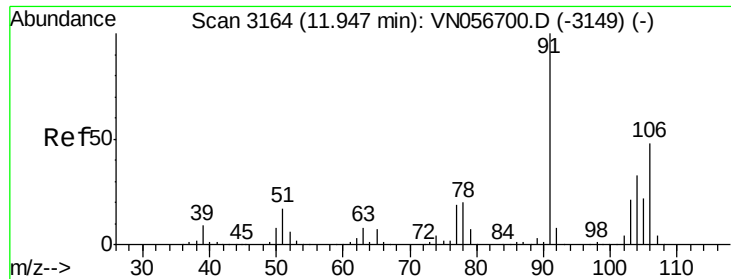
Tot Ion: 91 Resp: 14599
Ion Ratio Lower Upper
91 100
106 25.9 24.8 37.2



#68
m/p-Xylenes
Concen: 1.870 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 106 Resp: 10737
Ion Ratio Lower Upper
106 100
91 195.5 160.5 240.7

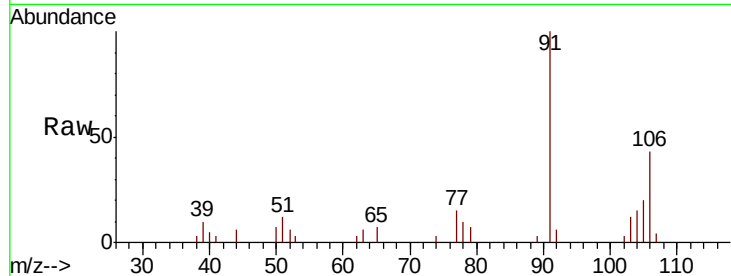




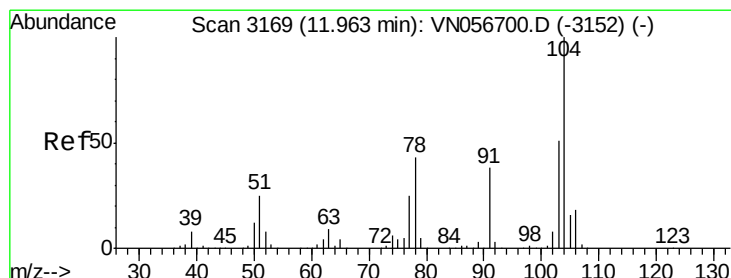
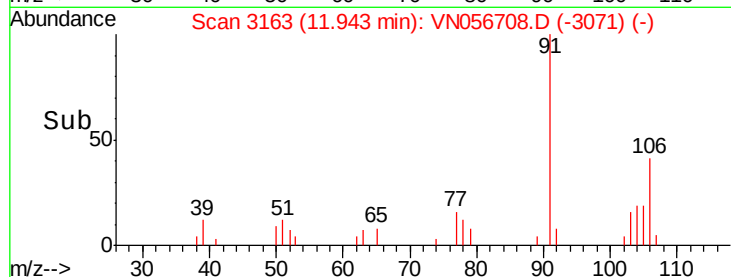
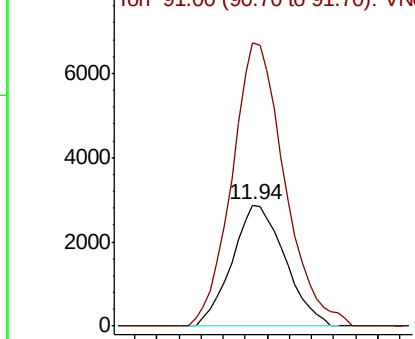
#69
o-Xylene
Concen: 0.847 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:106 Resp: 4782
Ion Ratio Lower Upper
106 100
91 233.5 105.6 316.8

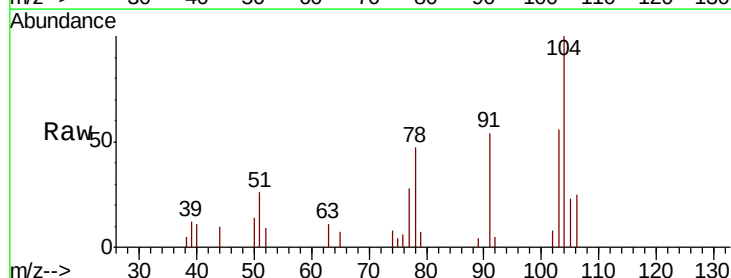


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

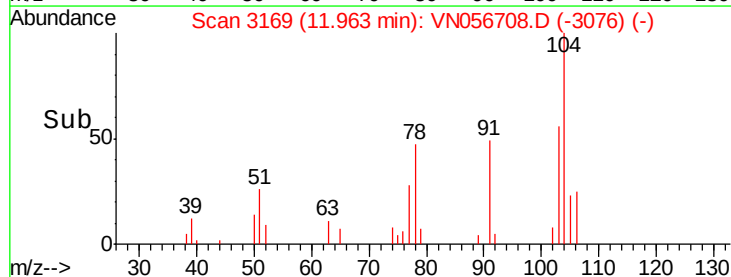
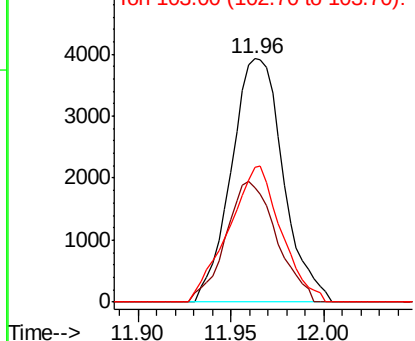


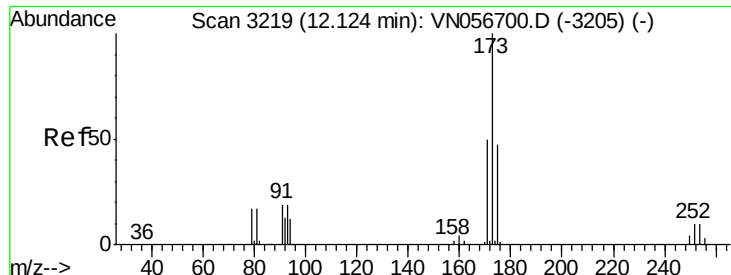
#70
Styrene
Concen: 0.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion:104 Resp: 7626
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 56.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

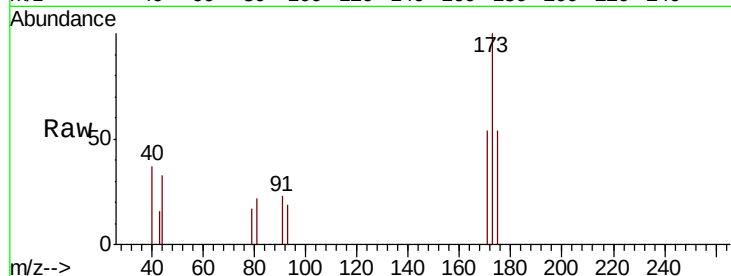




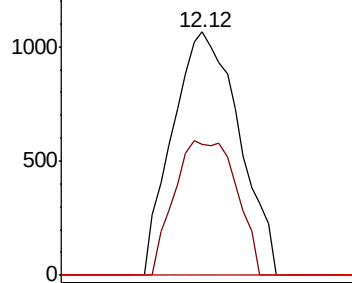
#71
Bromoform
Concen: 0.781 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

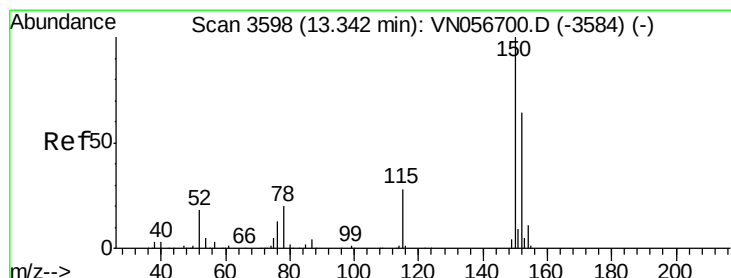
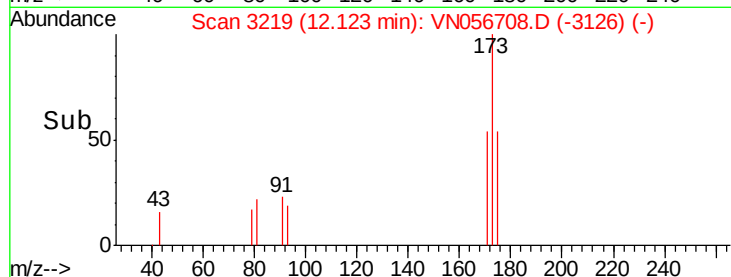
Tot Ion:173 Resp: 1912
Ion Ratio Lower Upper
173 100
175 51.6 23.8 71.4
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

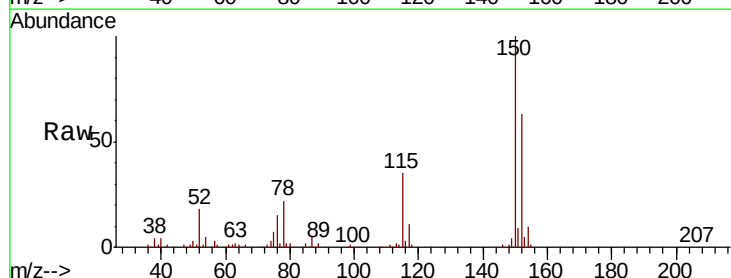


Time-->

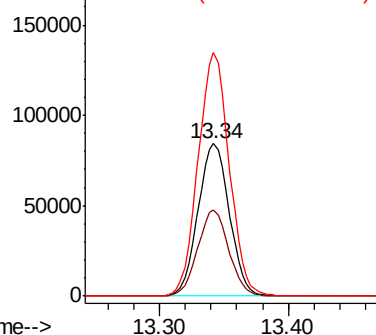


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

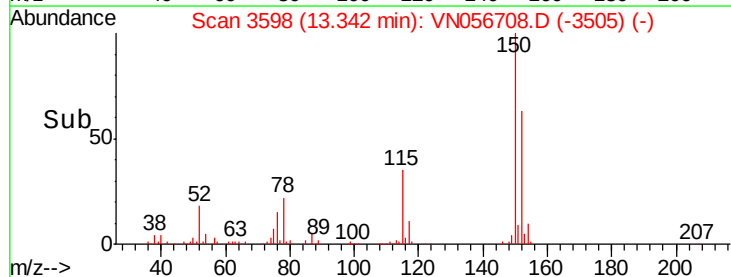
Tgt Ion:152 Resp: 142216
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.7
150 158.4 0.0 345.8

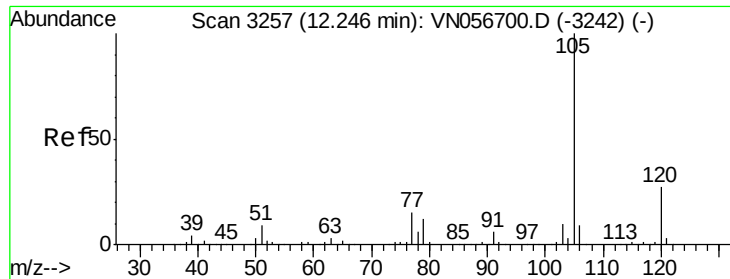


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 1.146 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

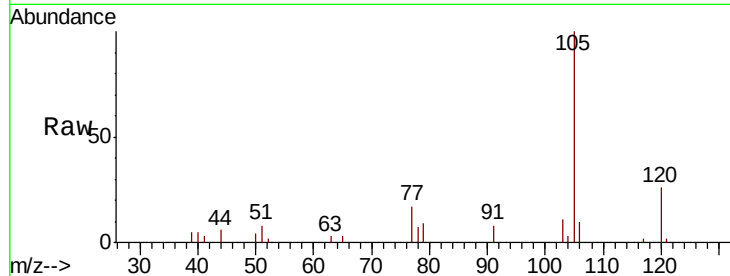
LOQ-WATER-02-QT3-2019

Tot Ion: 105 Resp: 13138

Ion Ratio Lower Upper

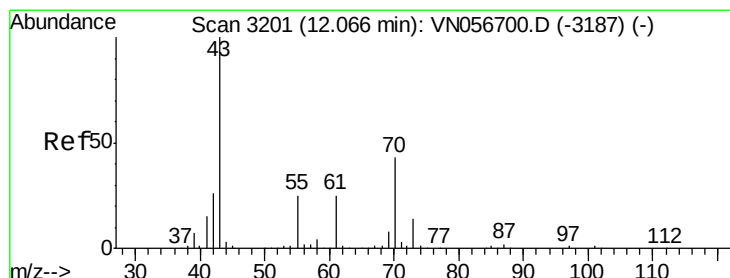
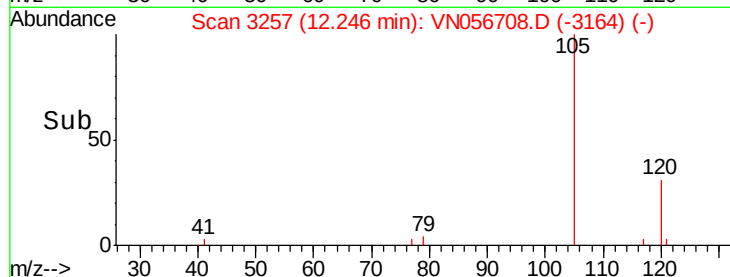
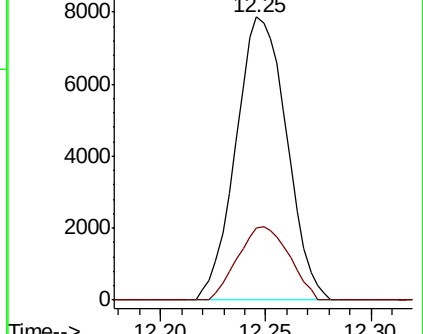
105 100

120 26.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.988 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Tgt Ion: 43 Resp: 4219

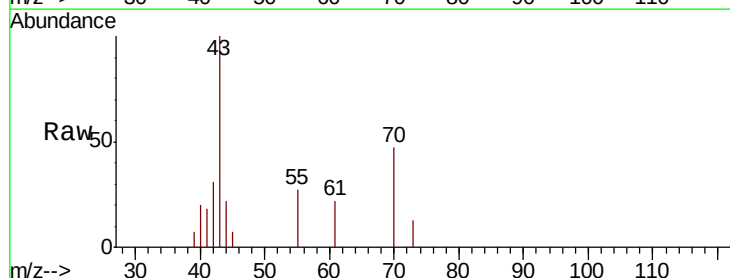
Ion Ratio Lower Upper

43 100

70 38.4 34.5 51.7

55 26.7 20.2 30.2

61 19.3 19.9 29.9#

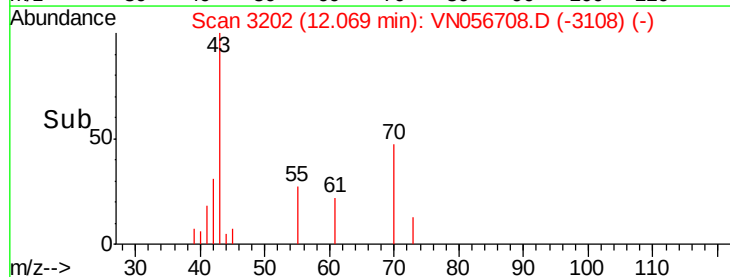
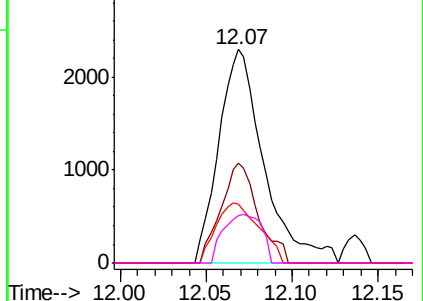


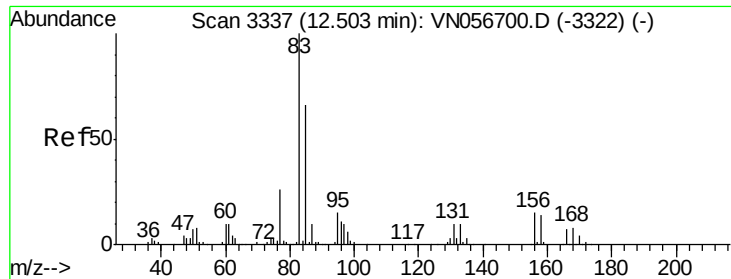
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

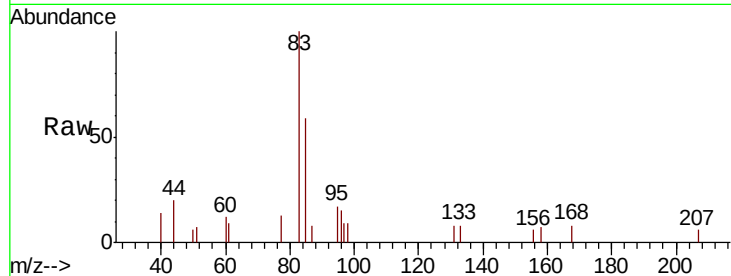
Tot Ion: 83 Resp: 4998

Ion Ratio Lower Upper

83 100

131 7.9 5.3 15.8

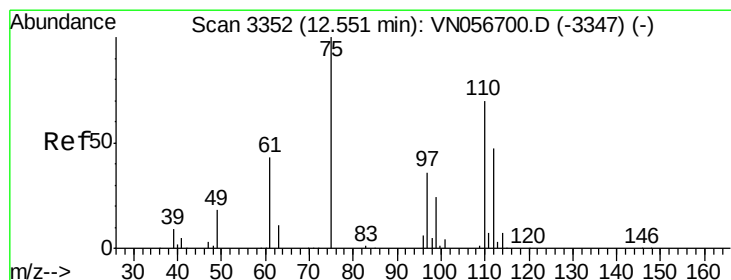
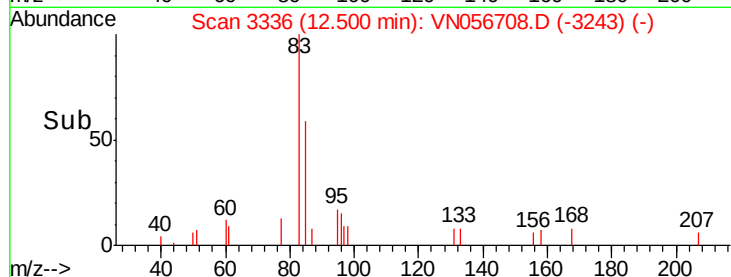
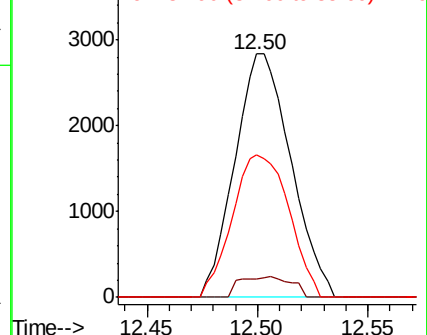
85 59.2 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.670 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056708.D

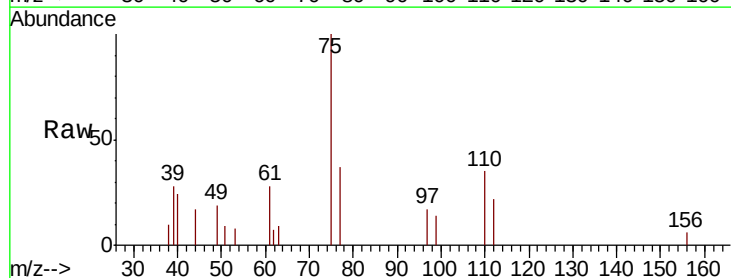
Acq: 15 Jul 2019 13:43

Tgt Ion: 75 Resp: 5194

Ion Ratio Lower Upper

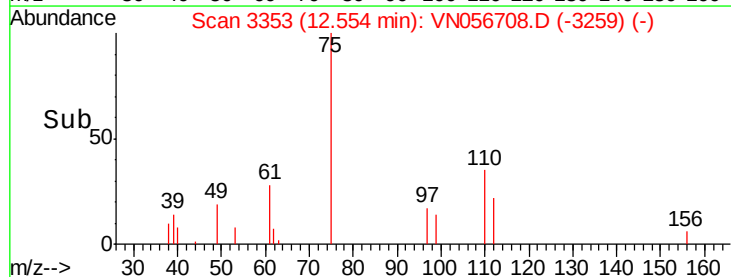
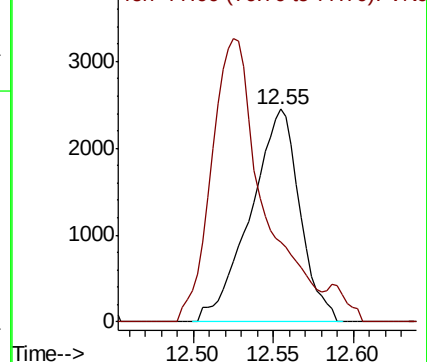
75 100

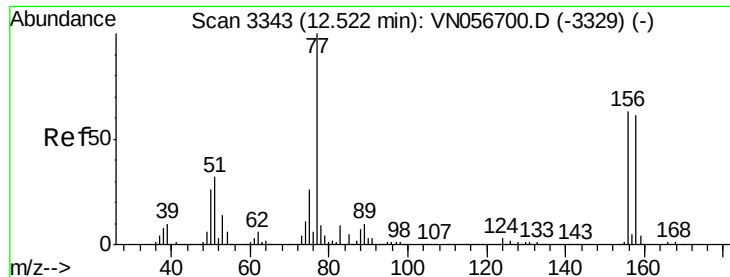
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.227 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

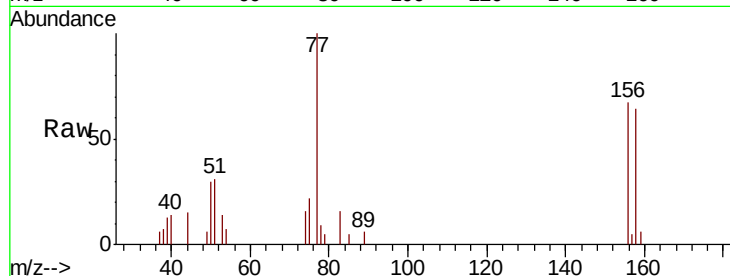
Tot Ion:156 Resp: 3679

Ion Ratio Lower Upper

156 100

77 199.2 97.2 291.6

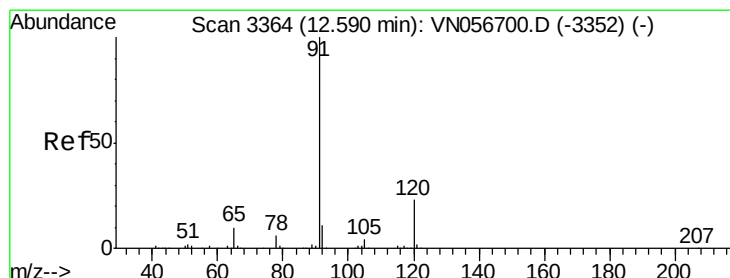
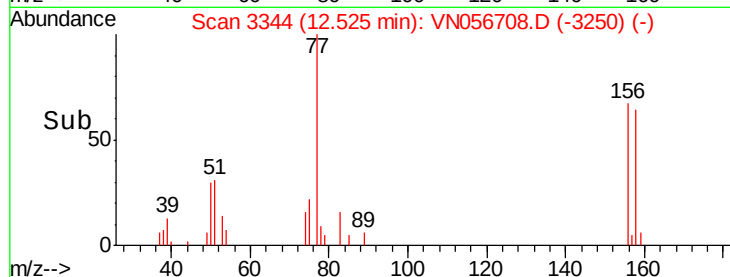
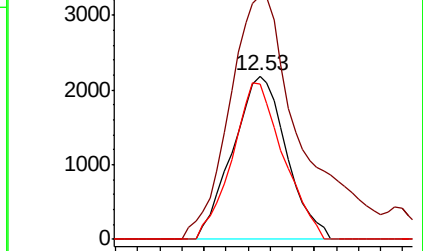
158 91.4 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.081 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056708.D

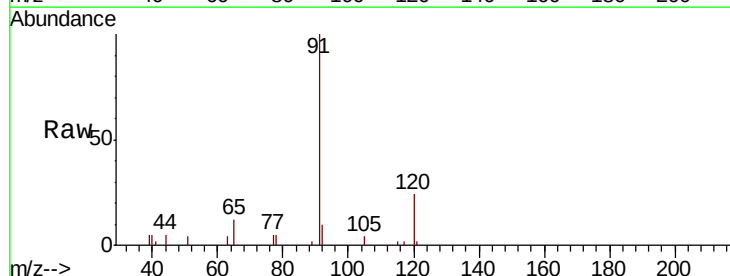
Acq: 15 Jul 2019 13:43

Tgt Ion: 91 Resp: 13762

Ion Ratio Lower Upper

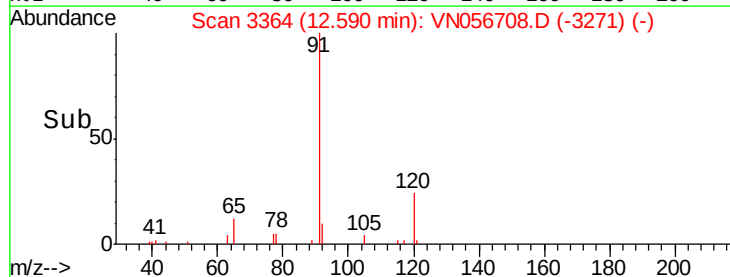
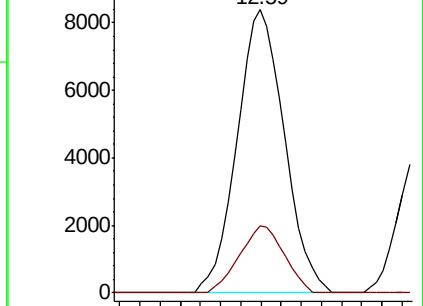
91 100

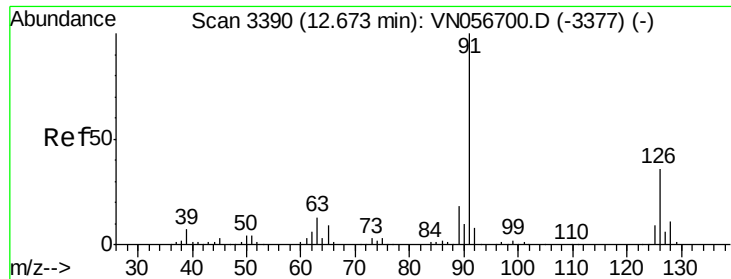
120 22.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

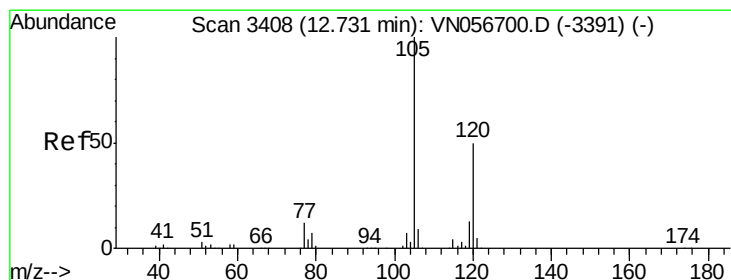
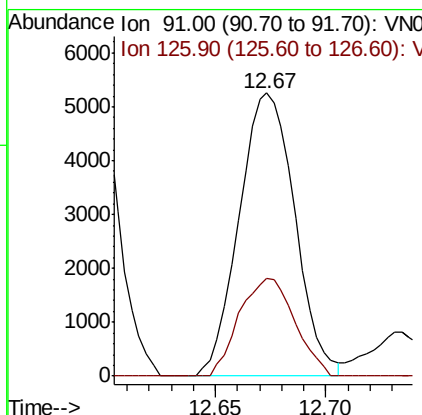
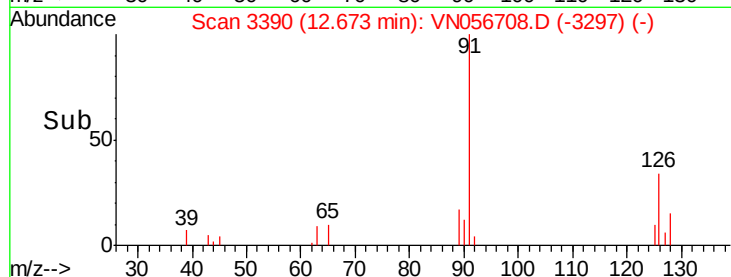
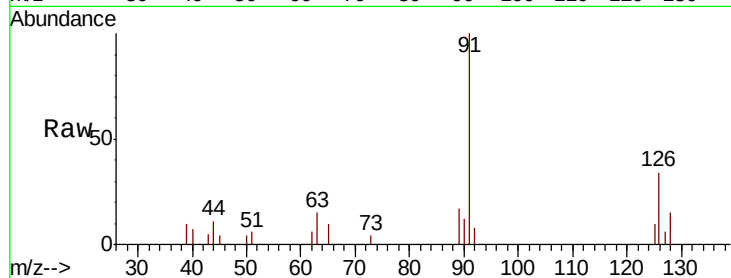




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

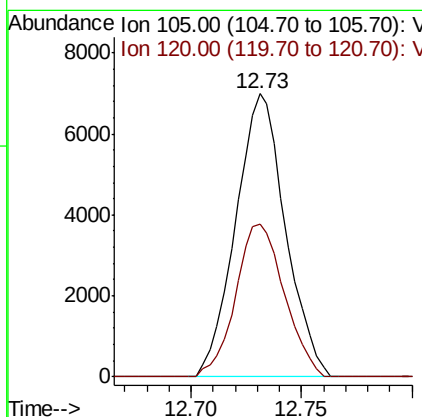
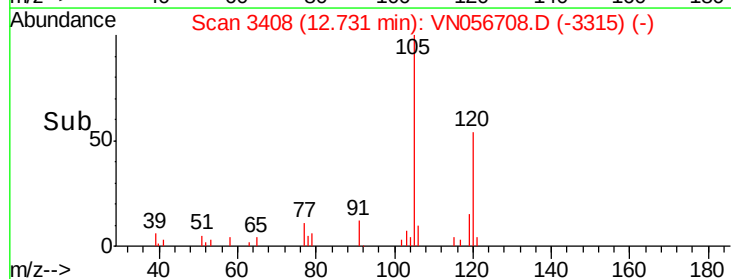
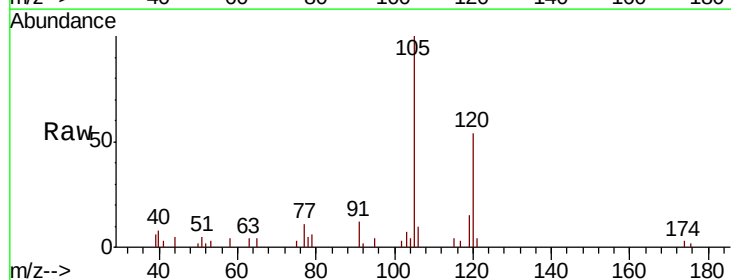
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

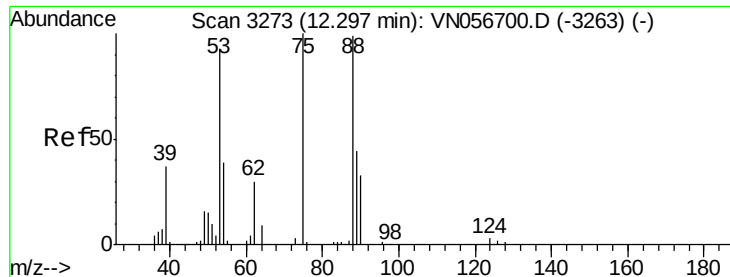
Tot Ion: 91 Resp: 9202
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 1.126 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 105 Resp: 10941
 Ion Ratio Lower Upper
 105 100
 120 52.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 78.081 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

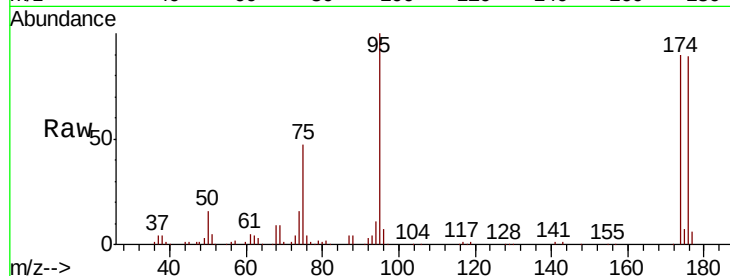
Tot Ion: 75 Resp: 78641

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

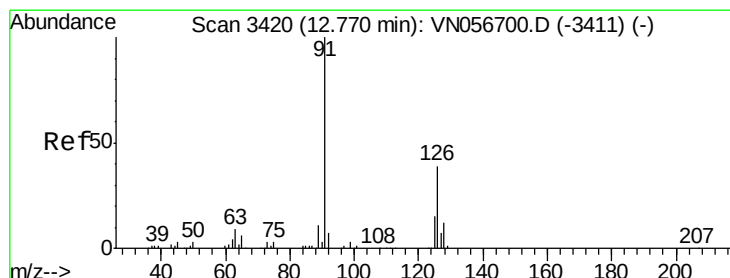
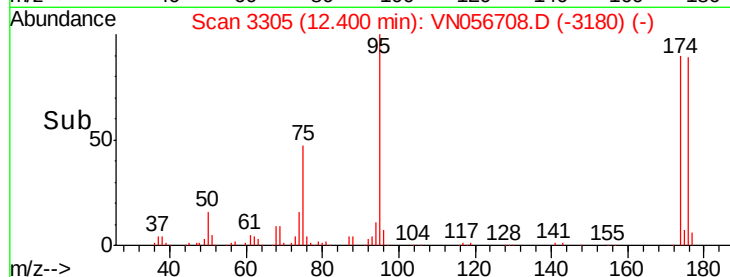
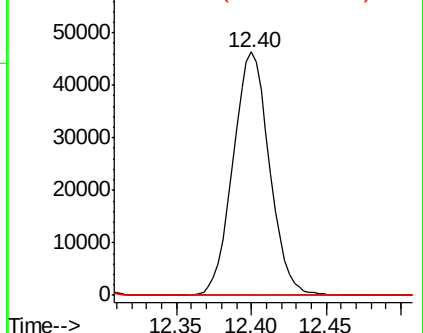
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.137 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056708.D

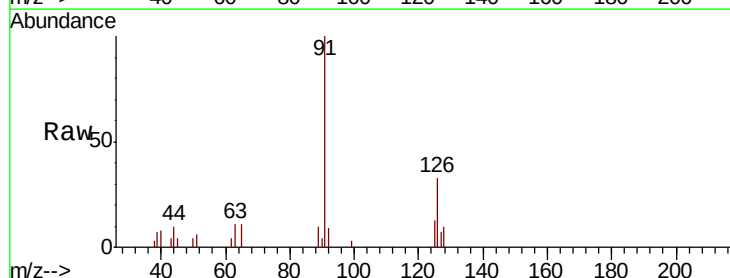
Acq: 15 Jul 2019 13:43

Tgt Ion: 91 Resp: 8496

Ion Ratio Lower Upper

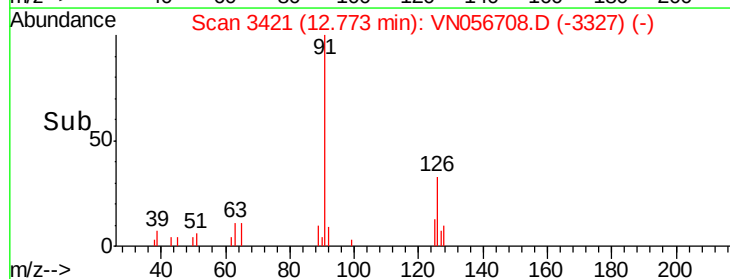
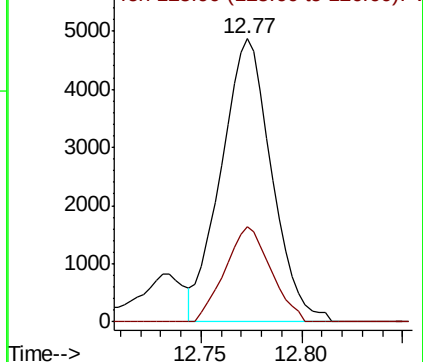
91 100

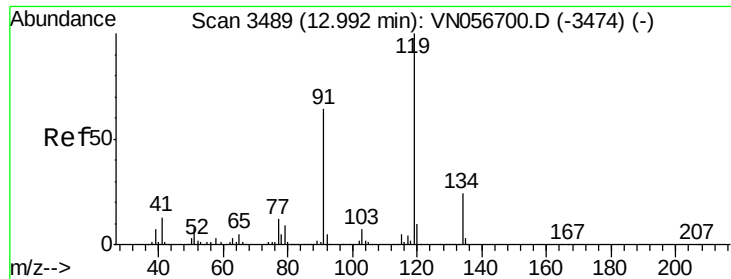
126 30.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

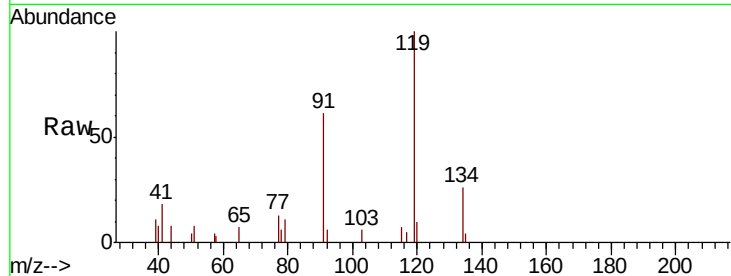




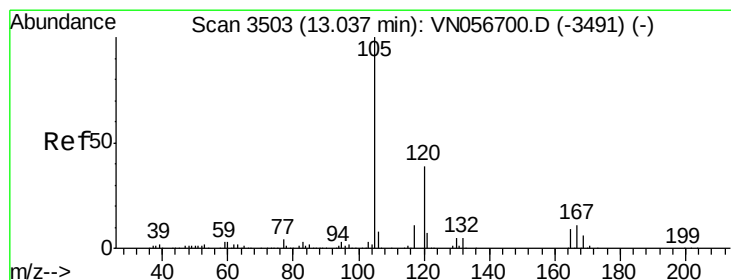
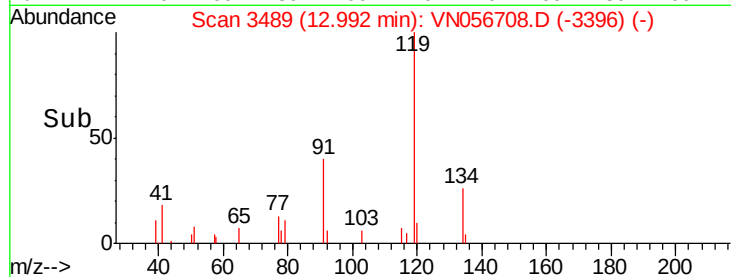
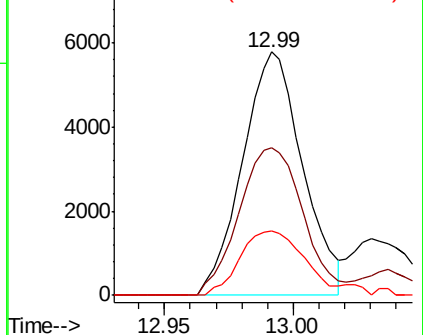
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:119 Resp: 9428
 Ion Ratio Lower Upper
 119 100
 91 64.7 31.8 95.4
 134 28.0 13.0 38.9

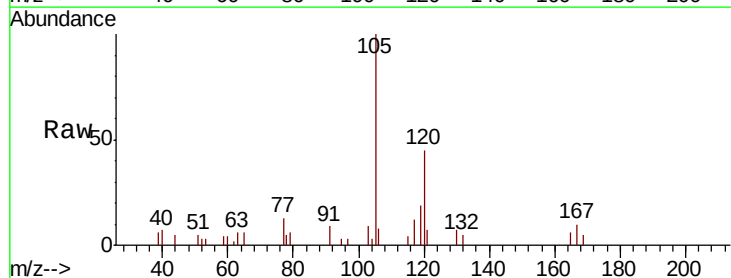


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

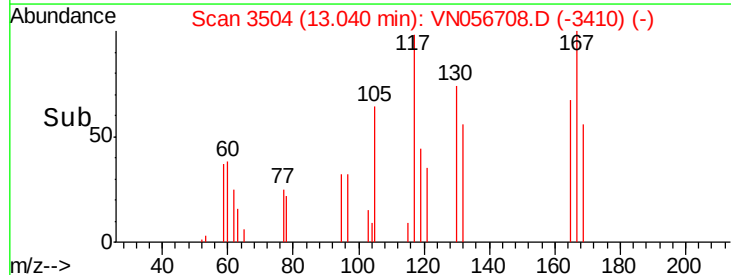
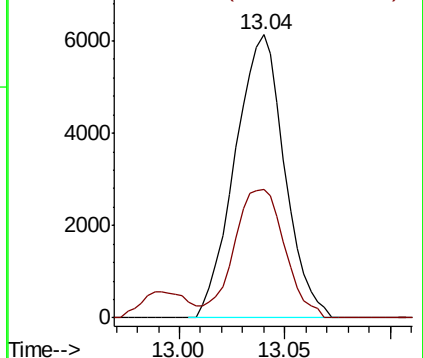


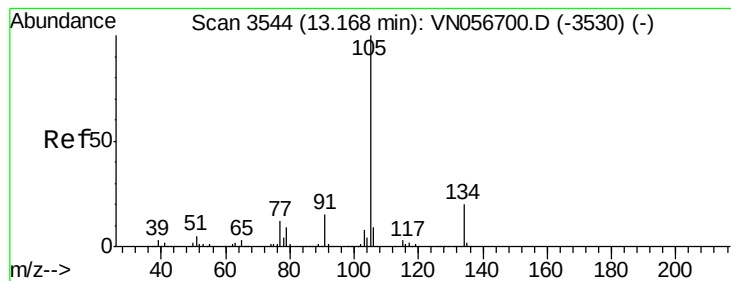
#84
 1,2,4-Trimethylbenzene
 Concen: 1.054 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion:105 Resp: 10006
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 1.121 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

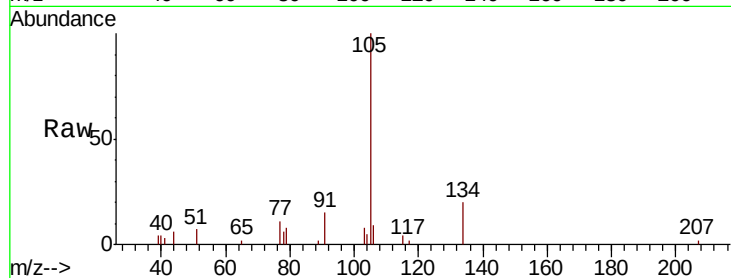
LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 12109

Ion Ratio Lower Upper

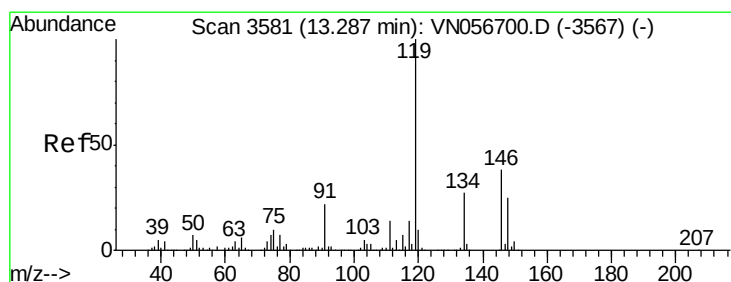
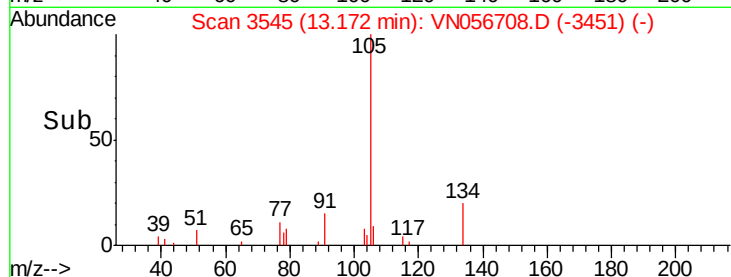
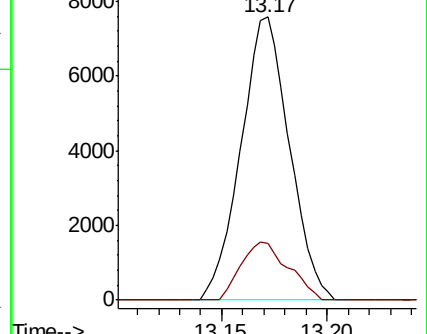
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.036 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

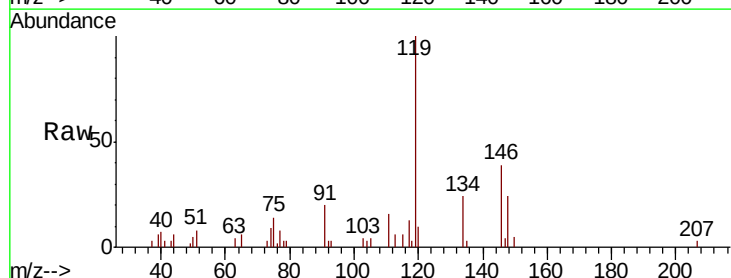
Tgt Ion:119 Resp: 10138

Ion Ratio Lower Upper

119 100

134 25.0 13.6 40.7

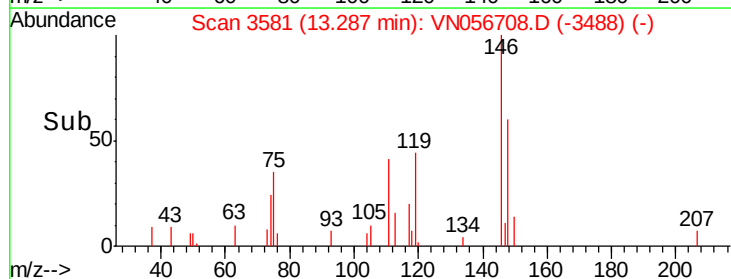
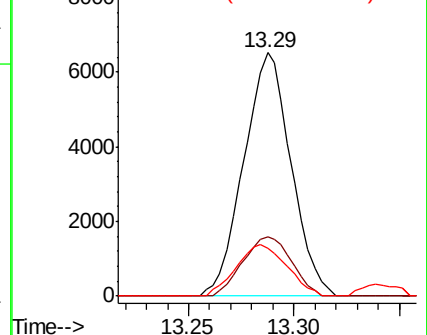
91 22.4 11.2 33.5

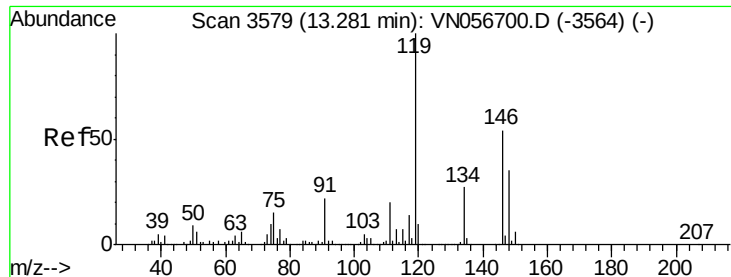


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

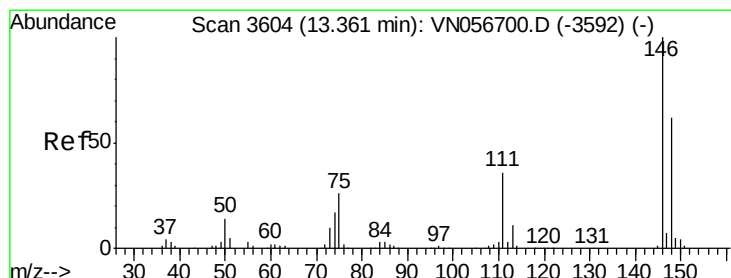
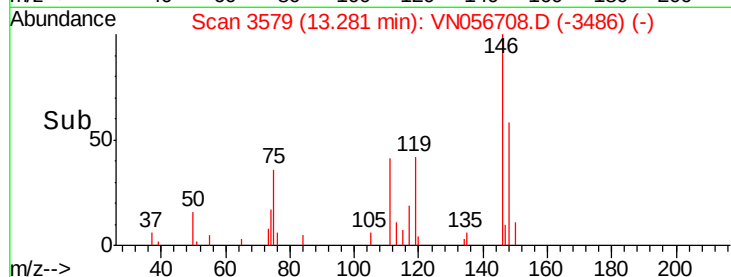
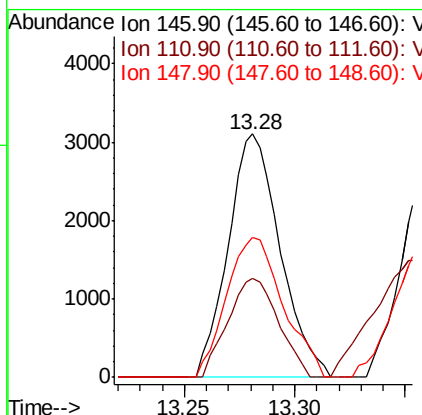
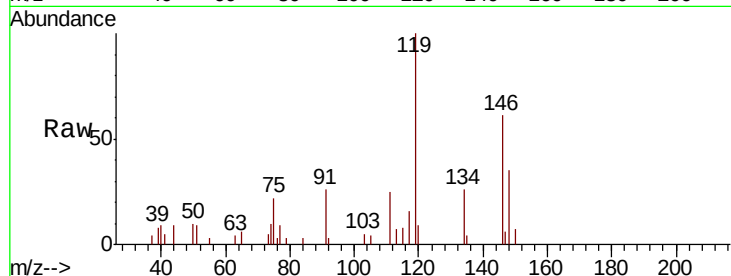




#87
 1,3-Dichlorobenzene
 Concen: 1.031 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

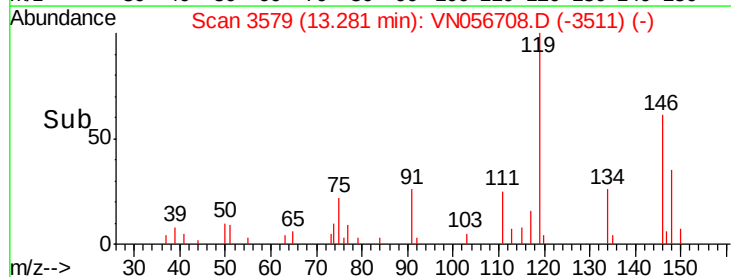
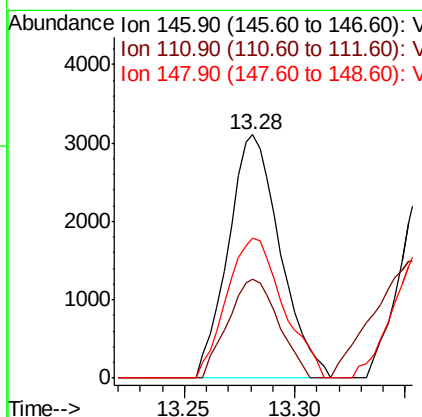
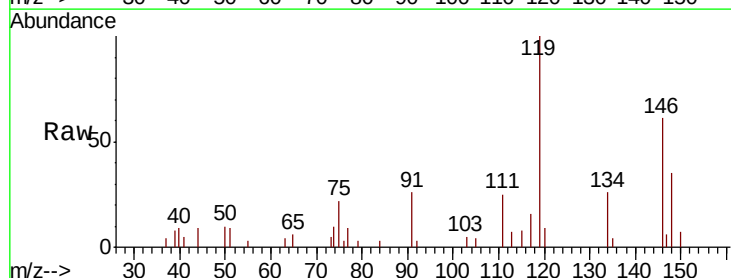
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

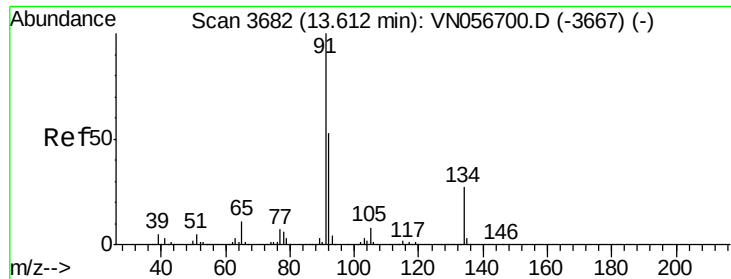
Tot Ion:146 Resp: 5068
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.8 56.3
 148 62.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 1.060 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion:146 Resp: 5068
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.6 55.8
 148 62.5 31.9 95.7

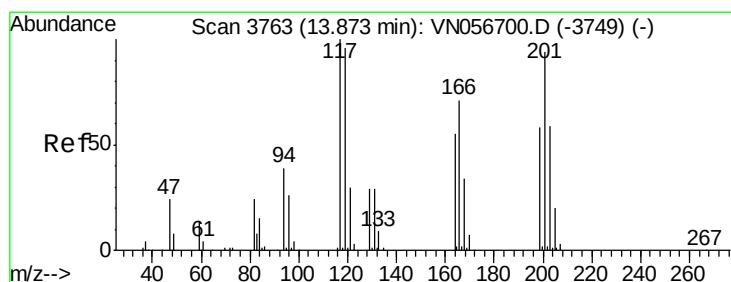
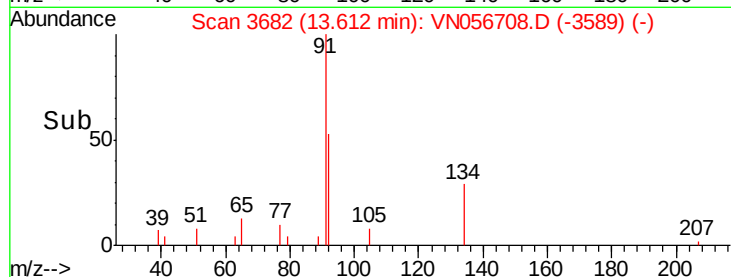
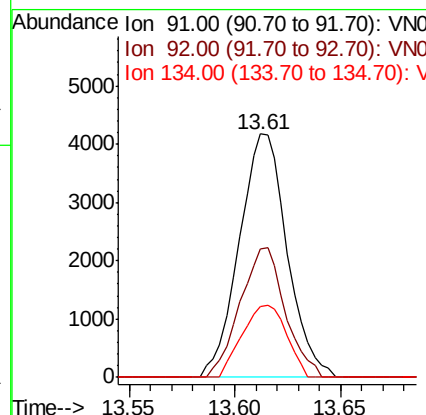
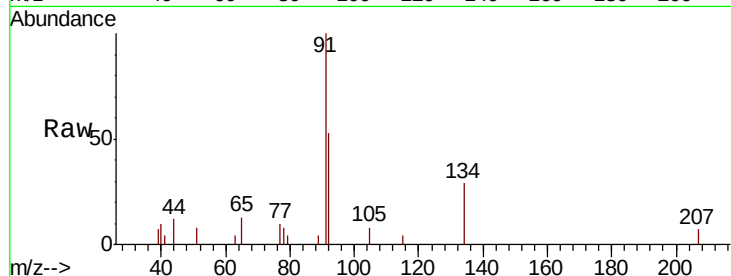




#89
n-Butylbenzene
Concen: 0.836 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

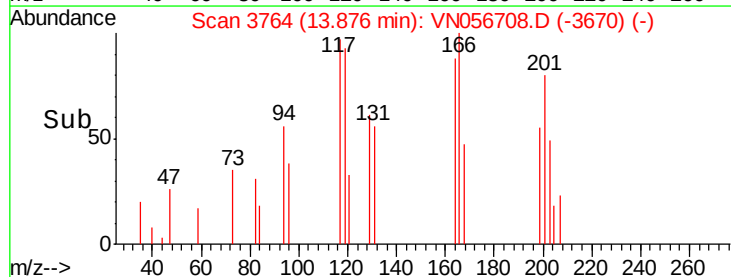
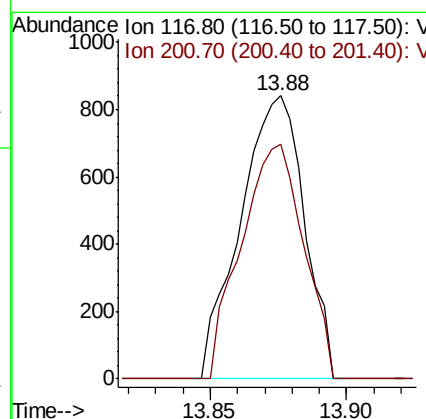
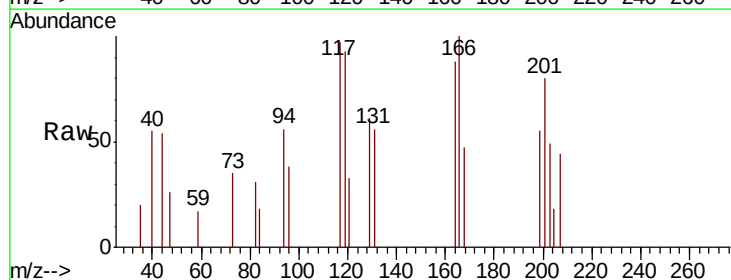
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2019

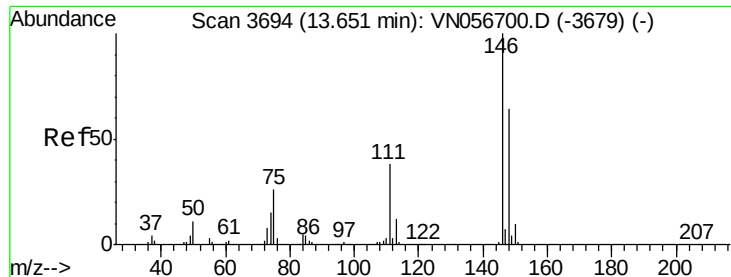
Tot Ion: 91 Resp: 6586
Ion Ratio Lower Upper
91 100
92 50.1 26.0 78.0
134 27.5 13.4 40.2



#90
Hexachloroethane
Concen: 0.865 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN056708.D
Acq: 15 Jul 2019 13:43

Tgt Ion: 117 Resp: 1368
Ion Ratio Lower Upper
117 100
201 80.8 46.5 139.5

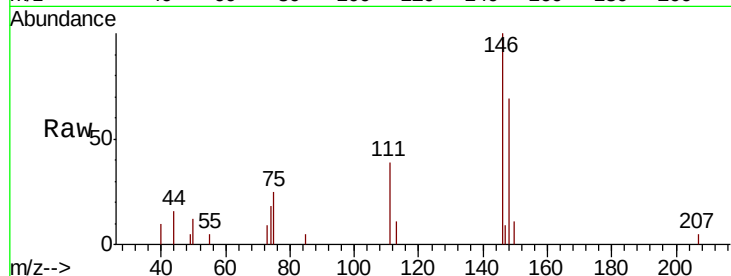




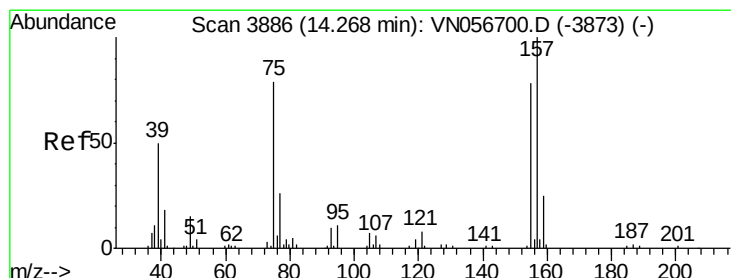
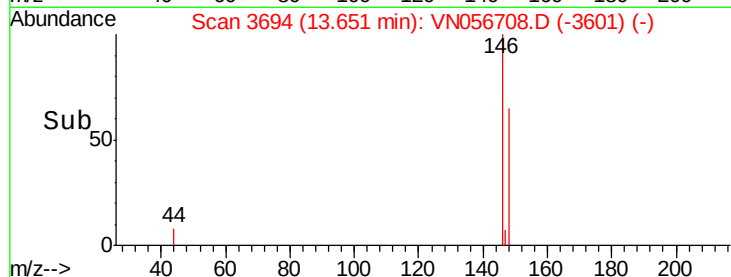
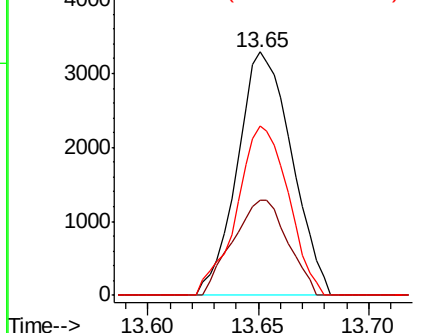
#91
 1,2-Dichlorobenzene
 Concen: 1.121 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:146 Resp: 5633
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.1 57.1
 148 65.8 31.7 95.1

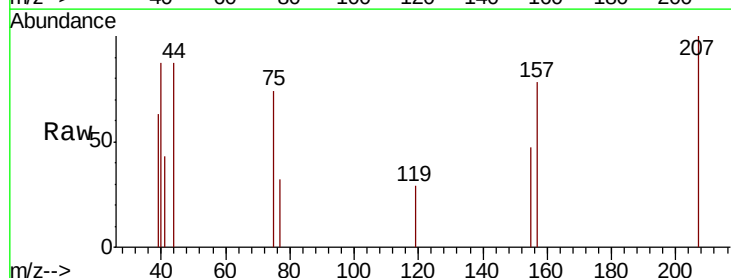


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

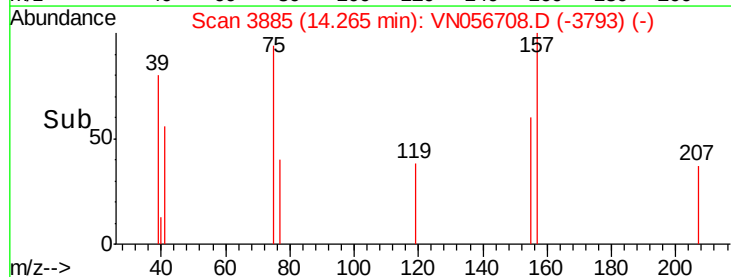
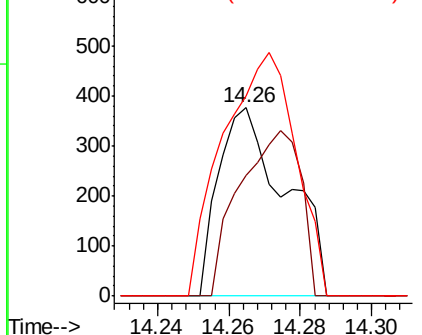


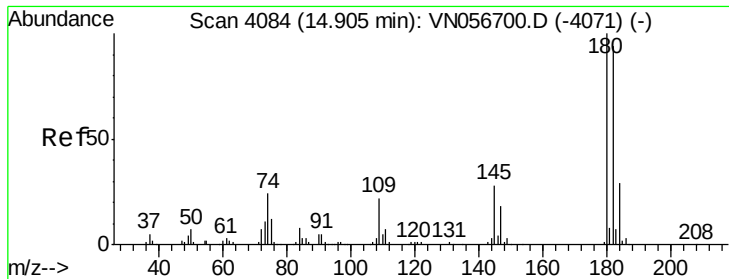
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.795 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Tgt Ion: 75 Resp: 489
 Ion Ratio Lower Upper
 75 100
 155 80.2 49.3 147.9
 157 140.5 62.4 187.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 4.296 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2019

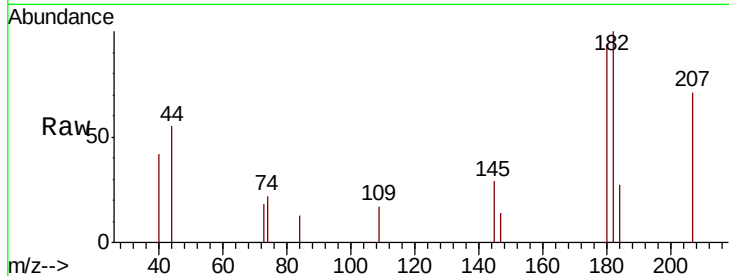
Tot Ion:180 Resp: 1814

Ion Ratio Lower Upper

180 100

182 109.7 47.2 141.6

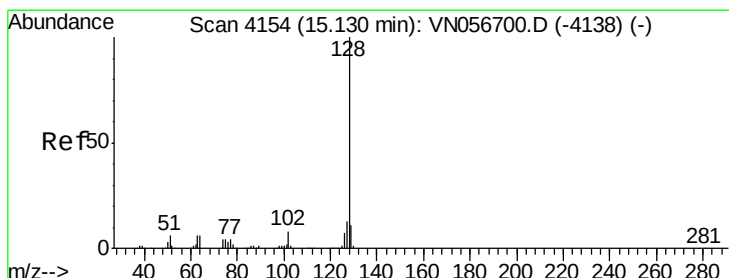
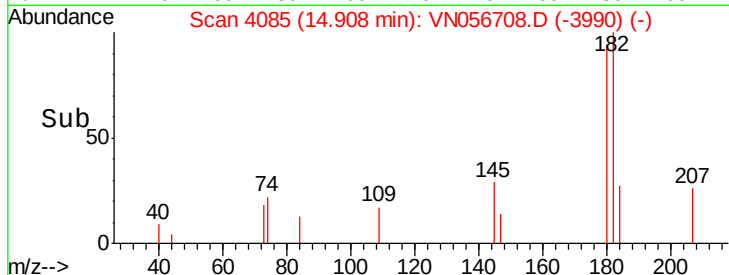
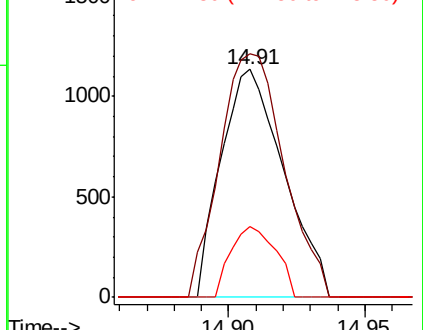
145 22.1 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 5.078 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056708.D

Acq: 15 Jul 2019 13:43

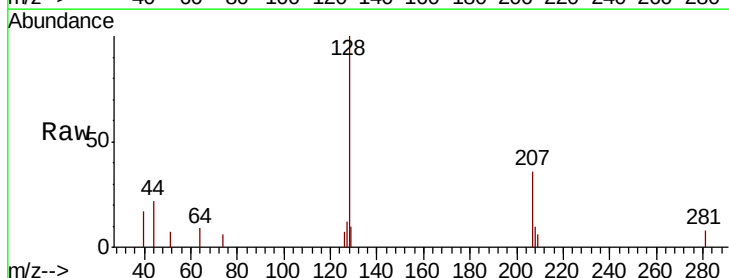
Tgt Ion:128 Resp: 4626

Ion Ratio Lower Upper

128 100

127 10.0 10.3 15.5#

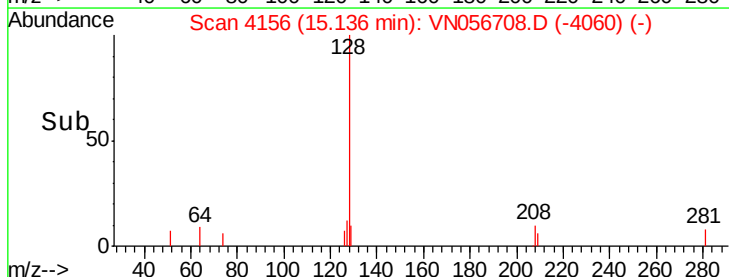
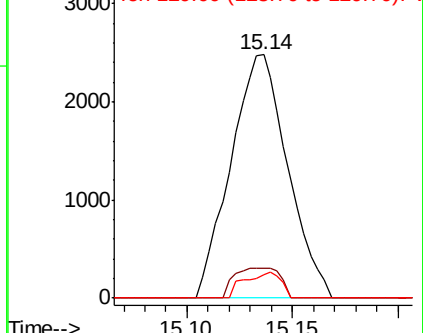
129 6.9 8.7 13.1#

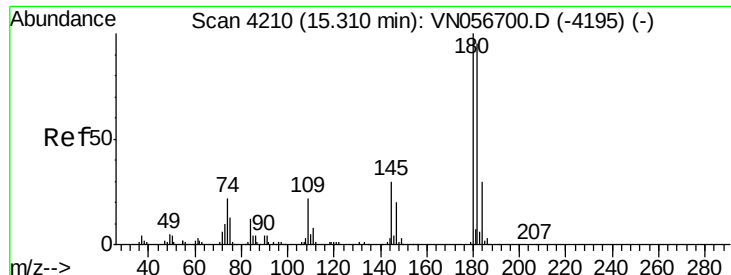


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

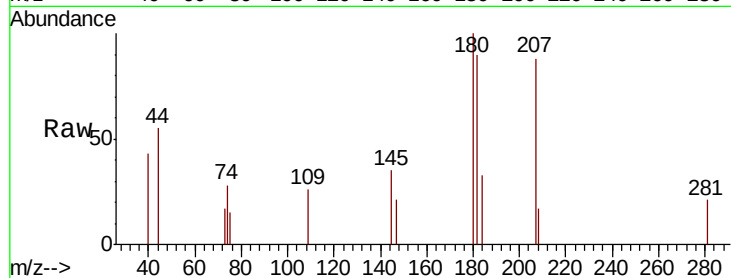




#96
 1,2,3-Trichlorobenzene
 Concen: 4.017 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056708.D
 Acq: 15 Jul 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:180 Resp: 2050
 Ion Ratio Lower Upper
 180 100
 182 101.6 47.1 141.3
 145 28.2 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

