

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054946.D
 Acq On : 4 Apr 2019 14:40
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Quant Time: Apr 05 03:15:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	407190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207347	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	285052	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	224849	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	832241	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	254025	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	9855	2.024 ug/l	100
3) Chloromethane	2.06	50	15011	2.332 ug/l	92
4) Vinyl Chloride	2.19	62	11846	2.106 ug/l	98
5) Bromomethane	2.56	94	11206	3.490 ug/l	98
6) Chloroethane	2.71	64	6965	2.220 ug/l	89
7) Trichlorofluoromethane	3.02	101	15258	2.234 ug/l	92
8) Diethyl Ether	3.41	74	4860	2.234 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	8587	2.373 ug/l	92
10) Methyl Iodide	3.94	142	39223	7.690 ug/l	98
11) Tert butyl alcohol	4.82	59	15049	54.320 ug/l #	89
12) 1,1-Dichloroethene	3.73	96	8315	2.317 ug/l	88
13) Acrolein	3.61	56	9708	26.902 ug/l	95
14) Allyl chloride	4.31	41	17422	2.187 ug/l	95
15) Acrylonitrile	5.00	53	17649	10.623 ug/l	95
16) Acetone	3.82	43	16851	Below Cal	97
17) Carbon Disulfide	4.04	76	22598	1.978 ug/l	96
18) Methyl Acetate	4.33	43	11109	1.783 ug/l	93
19) Methyl tert-butyl Ether	5.06	73	23861	2.050 ug/l	96
20) Methylene Chloride	4.54	84	11919	2.392 ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	9320	2.079 ug/l	92
22) Diisopropyl ether	5.96	45	32331	1.976 ug/l	94
23) Vinyl Acetate	5.90	43	106508	9.356 ug/l	98
24) 1,1-Dichloroethane	5.85	63	18585	2.083 ug/l	99
25) 2-Butanone	6.85	43	21173	10.503 ug/l	94
26) 2,2-Dichloropropane	6.81	77	7762	1.241 ug/l #	73
27) cis-1,2-Dichloroethene	6.83	96	10639	2.092 ug/l	96
28) Bromochloromethane	7.19	49	8779	2.100 ug/l #	94
29) Tetrahydrofuran	7.23	42	13542	10.249 ug/l	97
30) Chloroform	7.37	83	18485	2.186 ug/l	97
31) Cyclohexane	7.65	56	25925	1.536 ug/l #	76
32) 1,1,1-Trichloroethane	7.56	97	13810	1.935 ug/l	98
36) 1,1-Dichloropropene	7.79	75	13428	1.984 ug/l	96
37) Ethyl Acetate	6.94	43	5640	1.214 ug/l #	88
38) Carbon Tetrachloride	7.78	117	13667	2.091 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	16018	2.151	ug/l	90
40) Benzene	8.04	78	39018	2.003	ug/l	98
41) Methacrylonitrile	7.18	41	6118	2.303	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	14660	2.142	ug/l	100
43) Isopropyl Acetate	8.17	43	13803	1.763	ug/l	96
44) Trichloroethene	8.83	130	10311	2.070	ug/l	97
45) 1,2-Dichloropropane	9.12	63	11258	2.074	ug/l #	88
46) Dibromomethane	9.21	93	6382	2.074	ug/l	99
47) Bromodichloromethane	9.40	83	12689	1.963	ug/l #	99
48) Methyl methacrylate	9.20	41	8580	2.165	ug/l	93
49) 1,4-Dioxane	9.21	88	1749	43.721	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	42355	9.698	ug/l	99
52) Toluene	10.16	92	22389	1.950	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	10569	3.544	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	12594	1.731	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	8625	2.072	ug/l	95
56) Ethyl methacrylate	10.43	69	10689	1.964	ug/l	95
57) 1,3-Dichloropropane	10.71	76	14574	2.005	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	17598	16.847	ug/l	100
59) 2-Hexanone	10.75	43	26935	9.873	ug/l	98
60) Dibromochloromethane	10.90	129	7880	1.807	ug/l	97
61) 1,2-Dibromoethane	11.01	107	7536	1.925	ug/l	99
64) Tetrachloroethene	10.63	164	9608	2.039	ug/l	96
65) Chlorobenzene	11.43	112	24421	2.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	8156	1.871	ug/l	97
67) Ethyl Benzene	11.51	91	45174	2.104	ug/l	98
68) m/p-Xylenes	11.62	106	30501	3.886	ug/l	99
69) o-Xylene	11.94	106	15449	2.018	ug/l	98
70) Styrene	11.96	104	22000	1.792	ug/l	95
71) Bromoform	12.12	173	3999	1.526	ug/l #	87
73) Isopropylbenzene	12.25	105	41004	2.341	ug/l	99
74) N-amyl acetate	12.07	43	10770	2.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	11182	0.342	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	11523	Below Cal	#	100
77) Bromobenzene	12.53	156	10095	2.380	ug/l	97
78) n-propylbenzene	12.59	91	44779	2.320	ug/l	99
79) 2-Chlorotoluene	12.67	91	28978	2.423	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	32916	2.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	133077	148.252	ug/l #	4
82) 4-Chlorotoluene	12.77	91	25484	2.253	ug/l	99
83) tert-Butylbenzene	12.99	119	28742	2.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	29538	2.122	ug/l	100
85) sec-Butylbenzene	13.17	105	35719	2.257	ug/l	98
86) p-Isopropyltoluene	13.29	119	28987	2.126	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	15000	2.126	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	15253	2.271	ug/l	88
89) n-Butylbenzene	13.61	91	23023	2.112	ug/l	99
90) Hexachloroethane	13.87	117	4321	1.886	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	14392	2.077	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1441	2.403	ug/l	73

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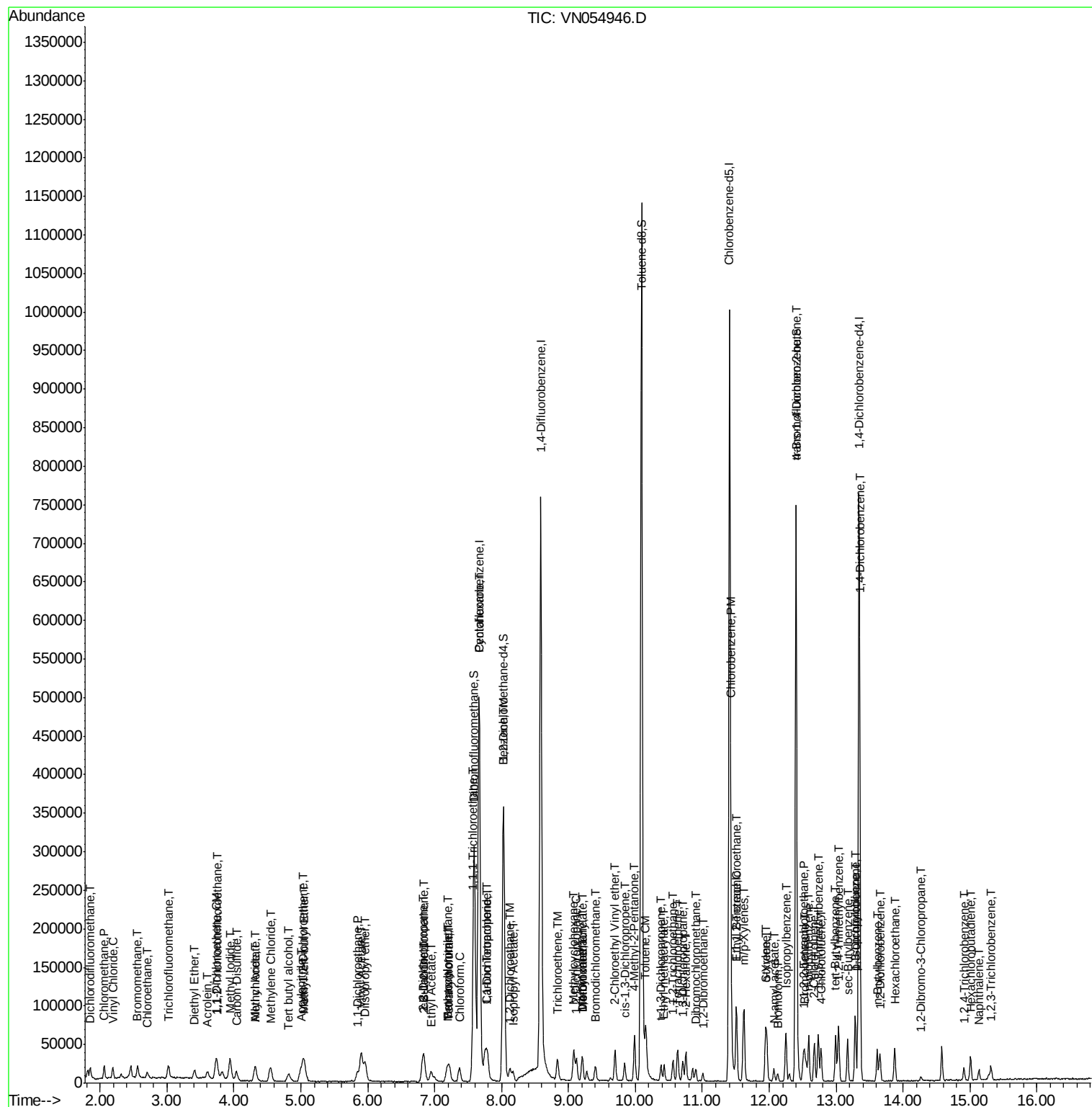
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5513	3.902	ug/l	96
94) Hexachlorobutadiene	15.01	225	5671	2.447	ug/l	95
95) Naphthalene	15.13	128	10822	4.168	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	5910	1.858	ug/l	94

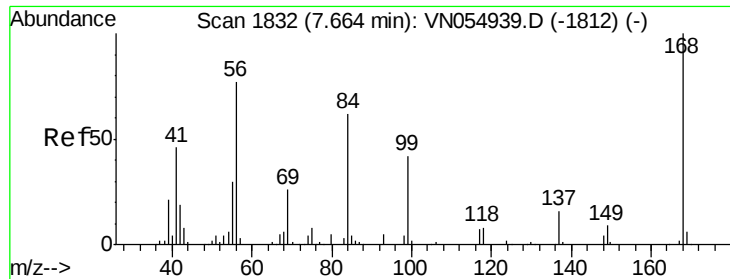
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

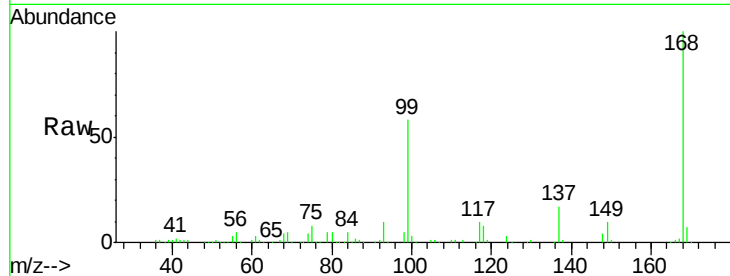
LOQ-WATER-02-QT2-2019

Tgt Ion:168 Resp: 407190

Ion Ratio Lower Upper

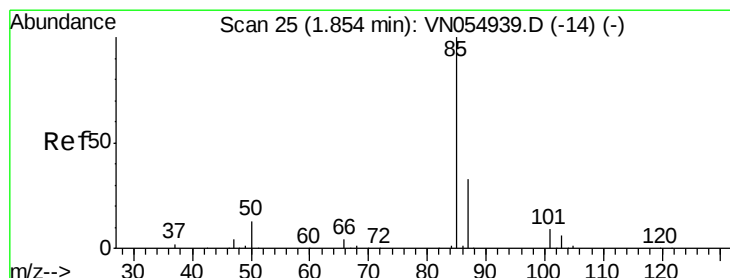
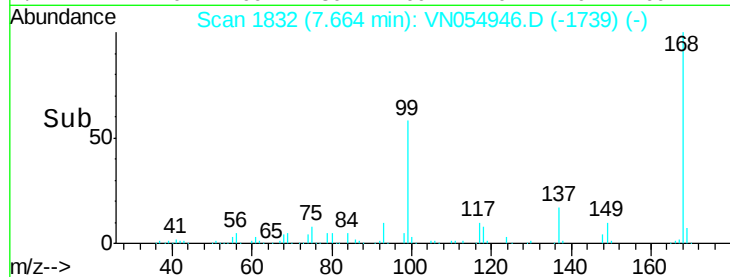
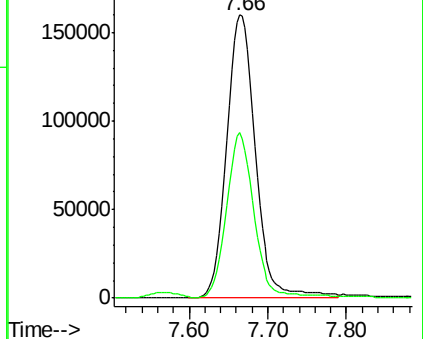
168 100

99 57.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 2.024 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054946.D

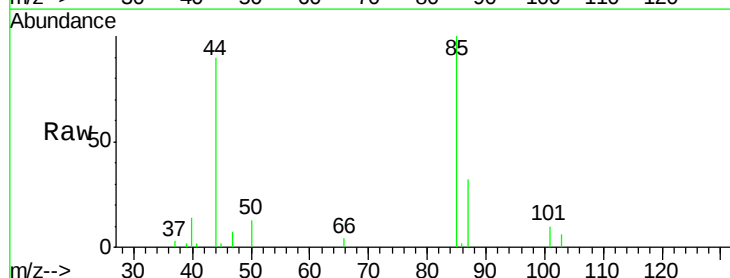
Acq: 4 Apr 2019 14:40

Tgt Ion: 85 Resp: 9855

Ion Ratio Lower Upper

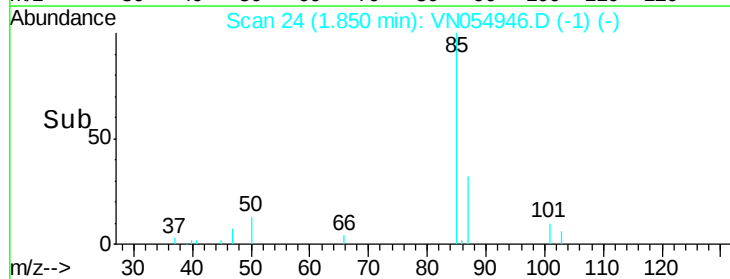
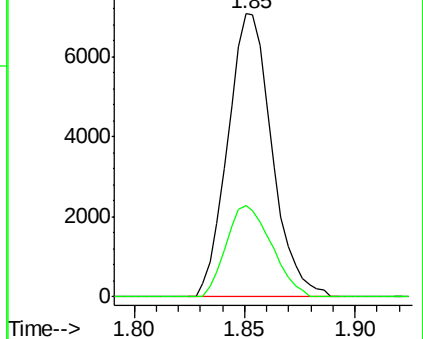
85 100

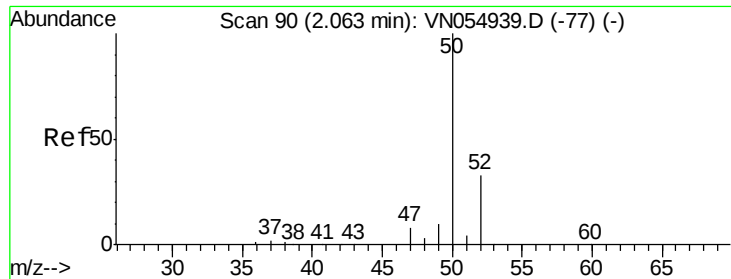
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 2.332 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

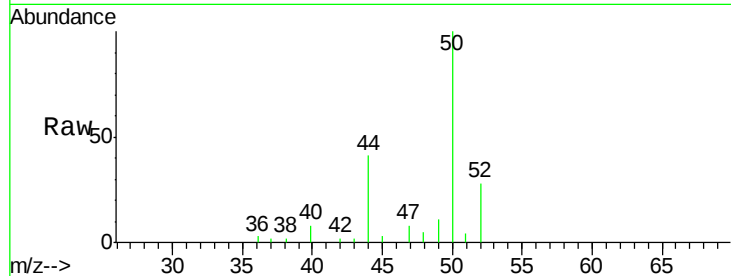
LOQ-WATER-02-QT2-2019

Tgt Ion: 50 Resp: 15011

Ion Ratio Lower Upper

50 100

52 28.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

12000

10000

8000

6000

4000

2000

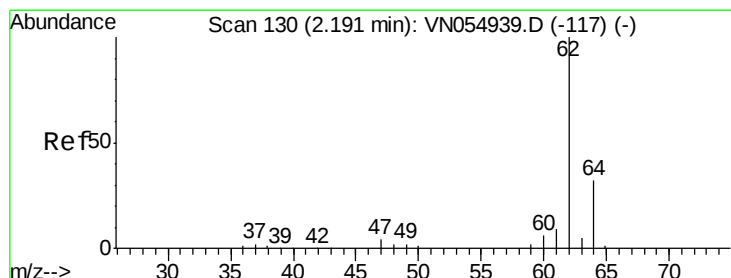
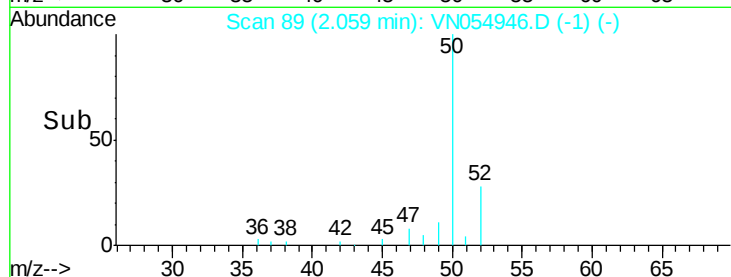
0

Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 2.106 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054946.D

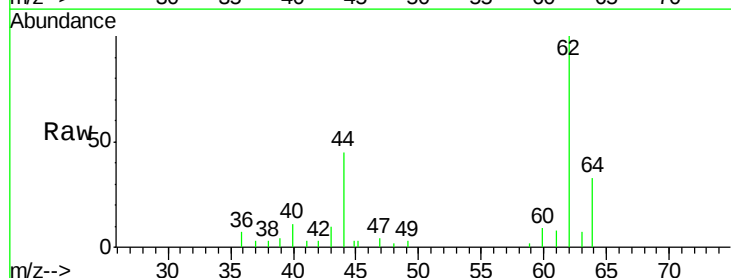
Acq: 4 Apr 2019 14:40

Tgt Ion: 62 Resp: 11846

Ion Ratio Lower Upper

62 100

64 33.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

8000

6000

4000

2000

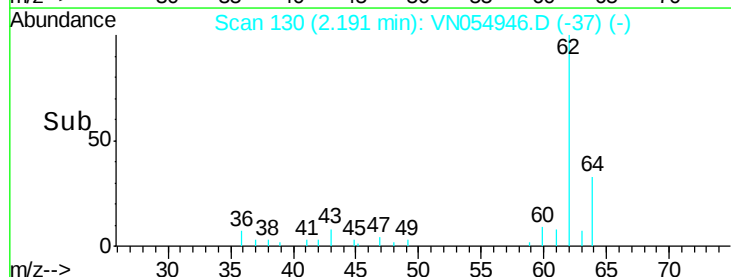
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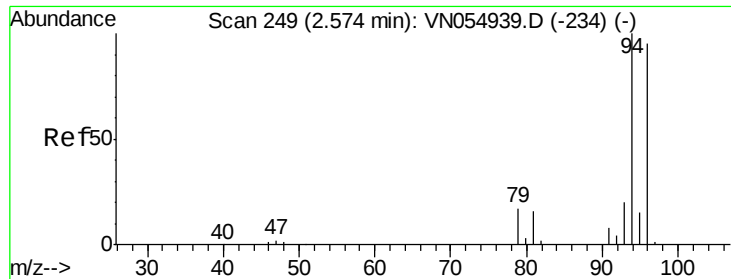
Time-->

2.15

2.20

2.25

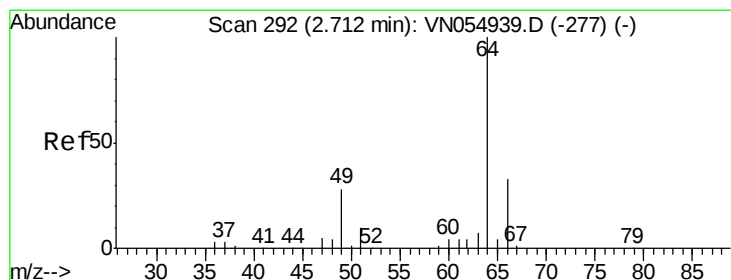
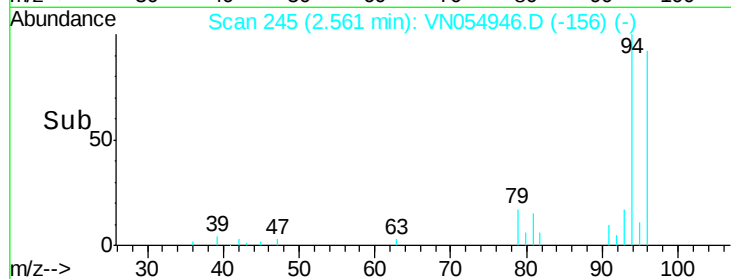
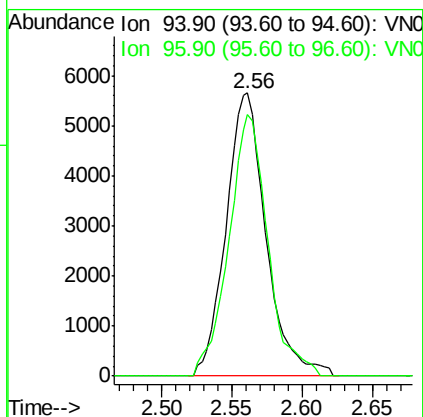
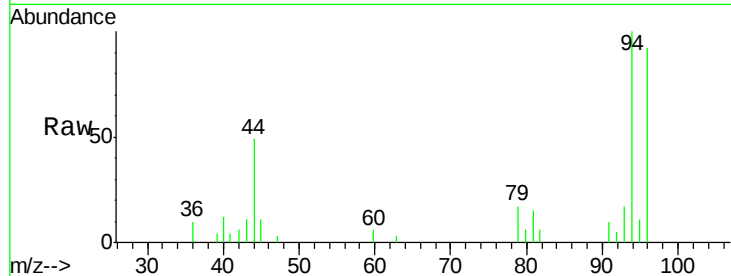




#5
Bromomethane
Concen: 3.490 ug/l
RT: 2.56 min Scan# 245
Delta R.T. -0.01 min
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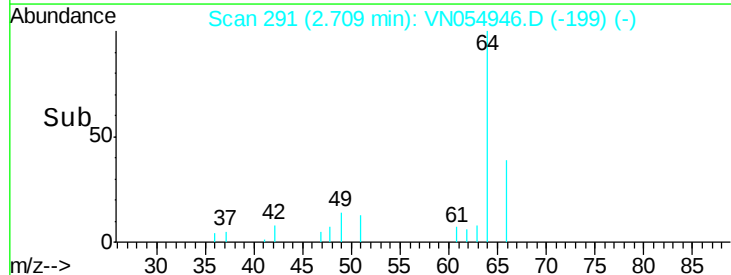
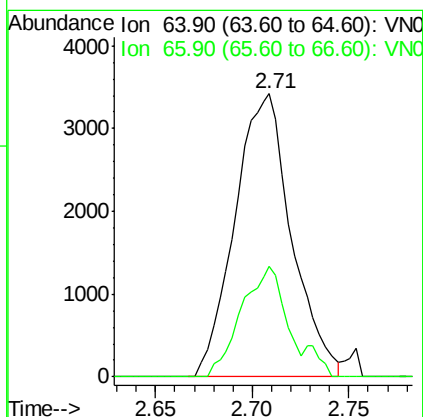
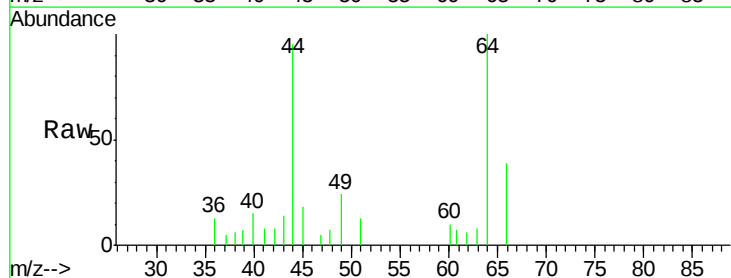
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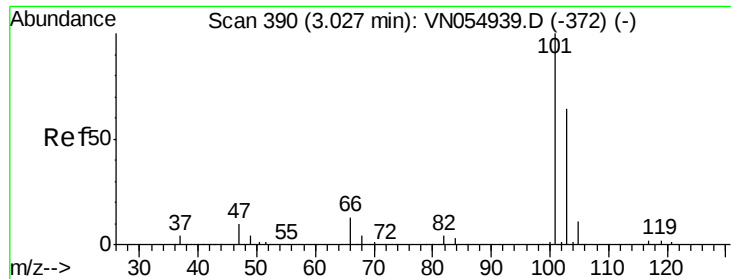
Tgt Ion: 94 Resp: 11206
Ion Ratio Lower Upper
94 100
96 92.4 75.7 113.5



#6
Chloroethane
Concen: 2.220 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 64 Resp: 6965
Ion Ratio Lower Upper
64 100
66 39.2 26.2 39.4



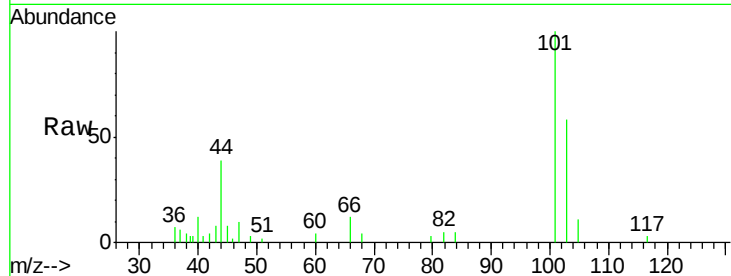


#7

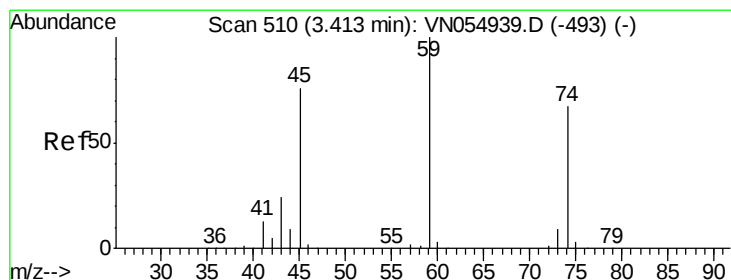
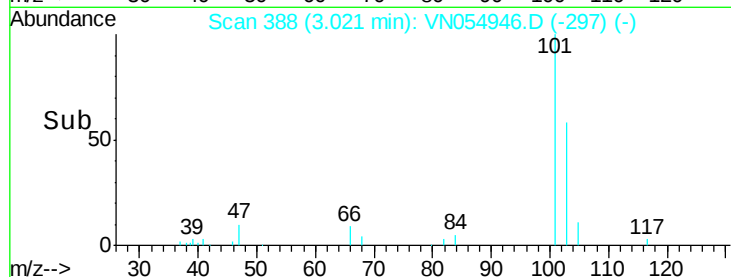
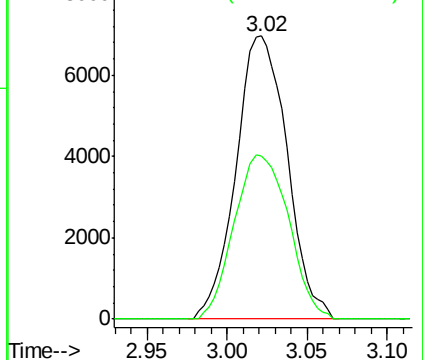
Trichlorofluoromethane
 Concen: 2.234 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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Tgt Ion:101 Resp: 15258
 Ion Ratio Lower Upper
 101 100
 103 57.5 51.3 76.9



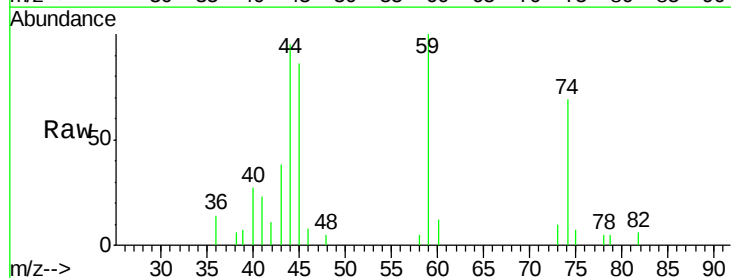
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



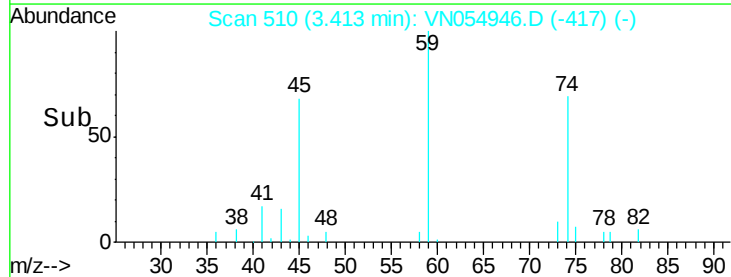
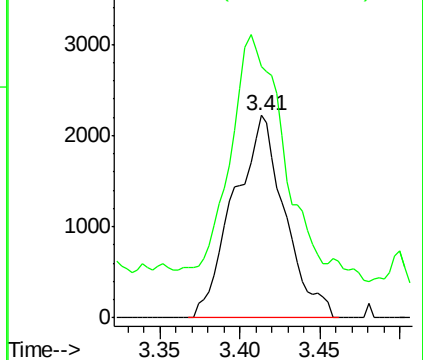
#8

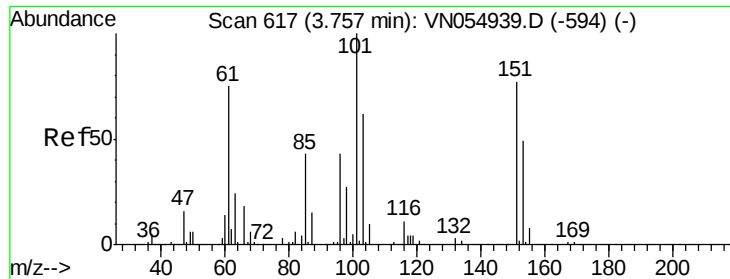
Diethyl Ether
 Concen: 2.234 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 74 Resp: 4860
 Ion Ratio Lower Upper
 74 100
 45 111.6 56.3 168.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.373 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

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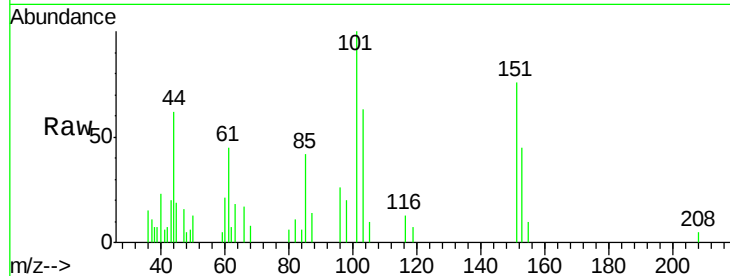
Tgt Ion:101 Resp: 8587

Ion Ratio Lower Upper

101 100

85 39.7 36.2 54.2

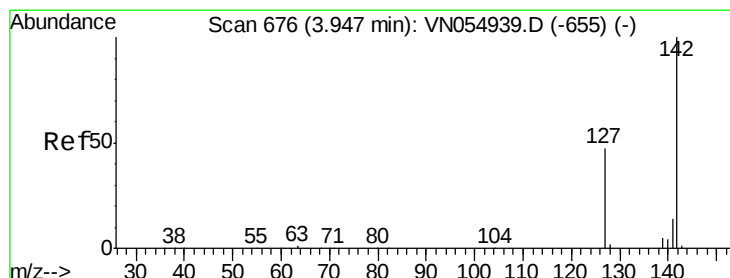
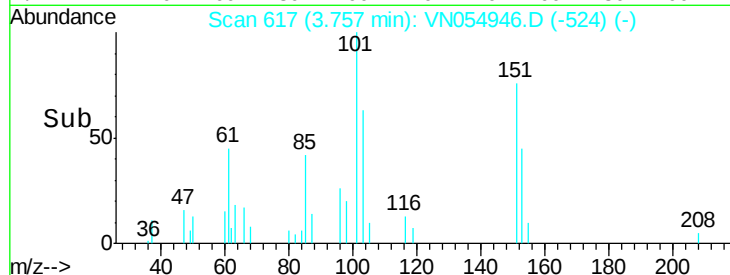
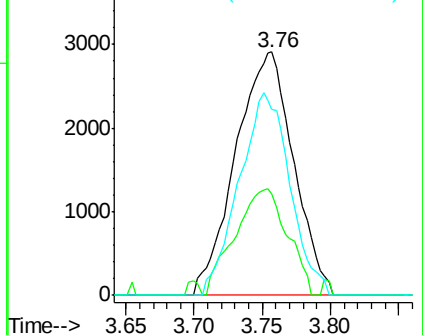
151 72.9 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.690 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

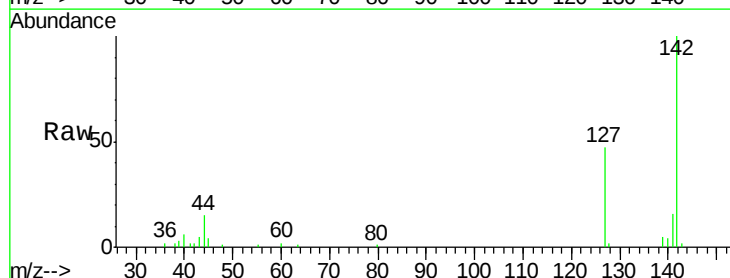
Tgt Ion:142 Resp: 39223

Ion Ratio Lower Upper

142 100

127 46.0 38.0 57.0

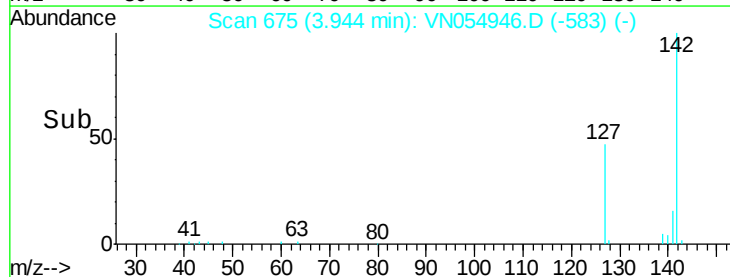
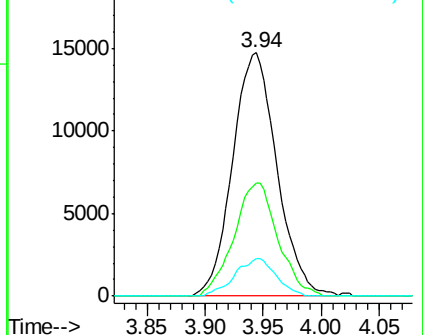
141 14.3 11.7 17.5

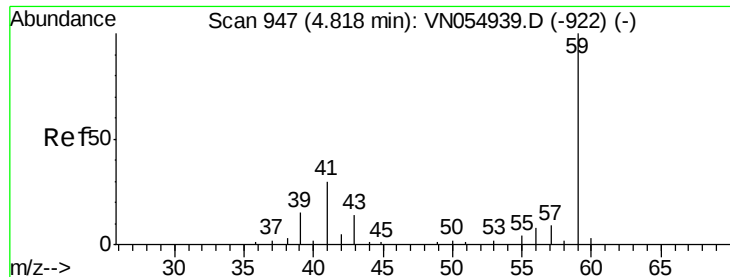


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

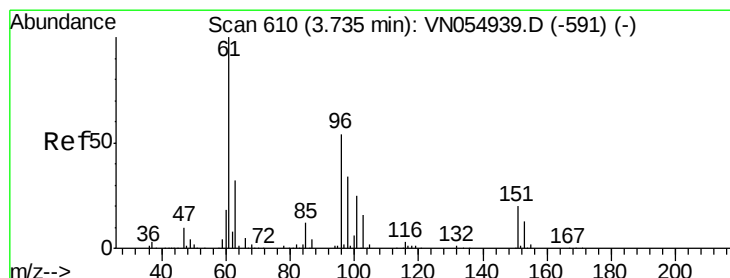
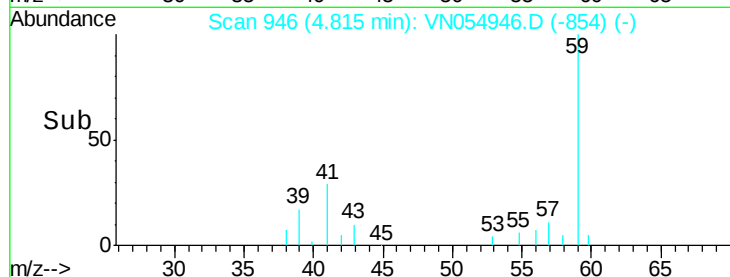
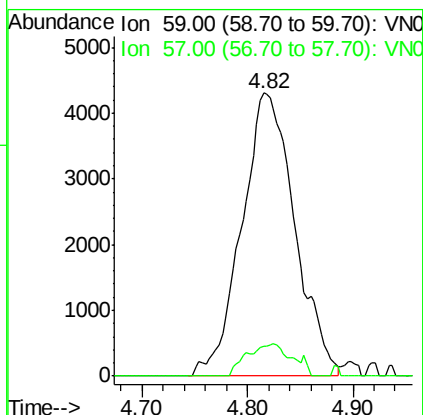
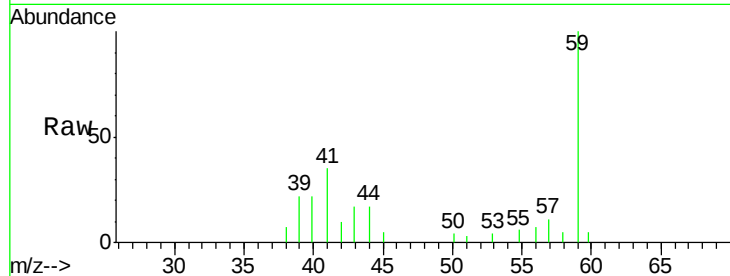




#11
Tert butyl alcohol
Concen: 54.320 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

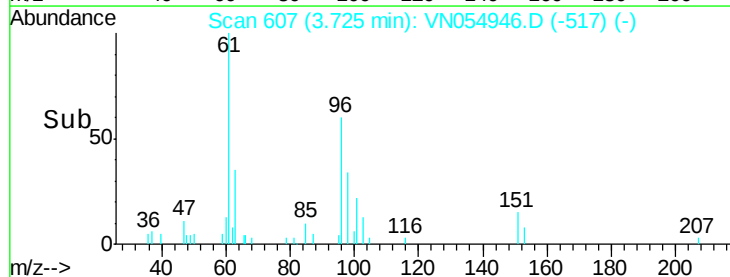
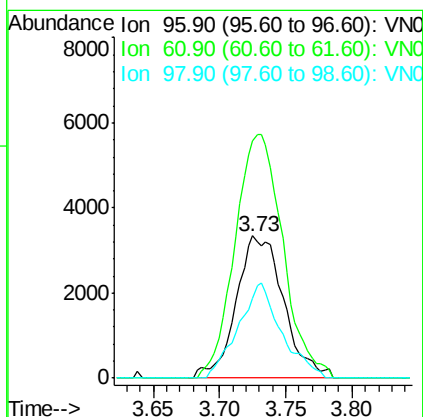
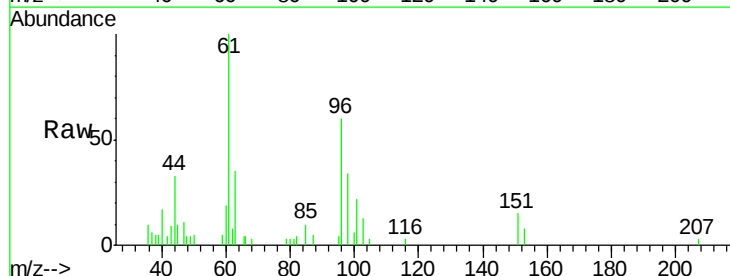
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

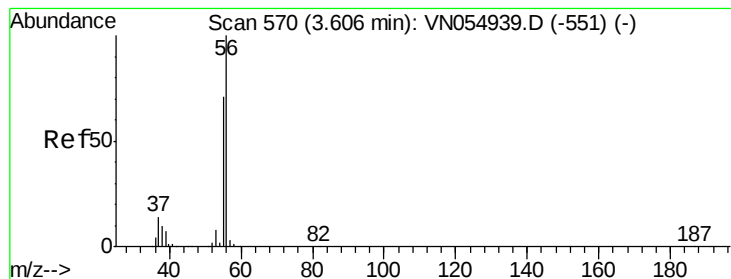
Tgt Ion: 59 Resp: 15049
Ion Ratio Lower Upper
59 100
57 9.8 5.0 7.4#



#12
1,1-Dichloroethene
Concen: 2.317 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 96 Resp: 8315
Ion Ratio Lower Upper
96 100
61 166.5 148.2 222.2
98 56.3 50.2 75.4





#13

Acrolein

Concen: 26.902 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

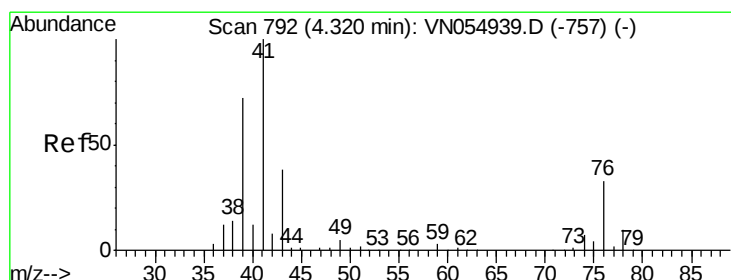
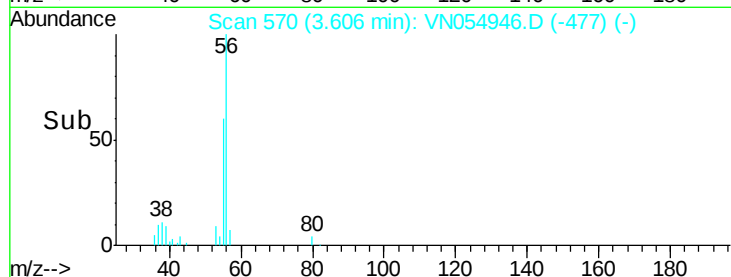
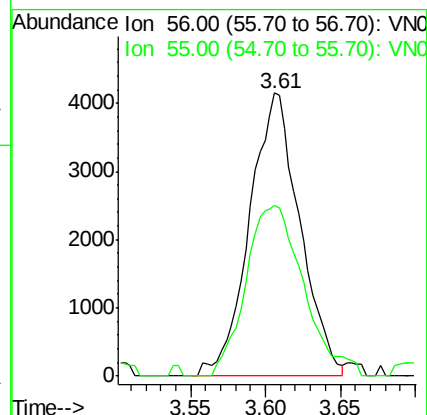
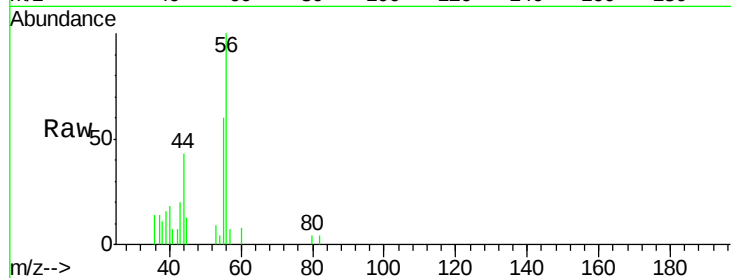
LOQ-WATER-02-QT2-2019

Tgt Ion: 56 Resp: 9708

Ion Ratio Lower Upper

56 100

55 69.1 58.6 87.8



#14

Allyl chloride

Concen: 2.187 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

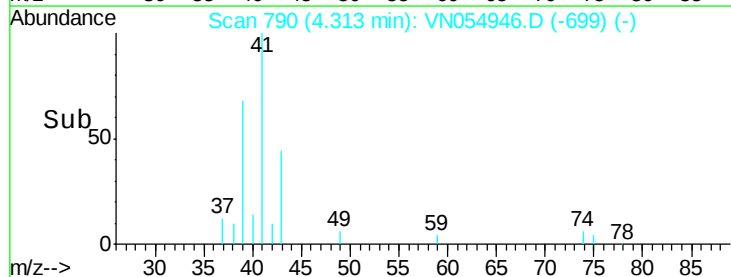
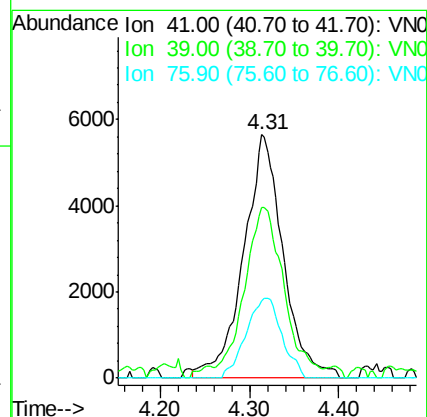
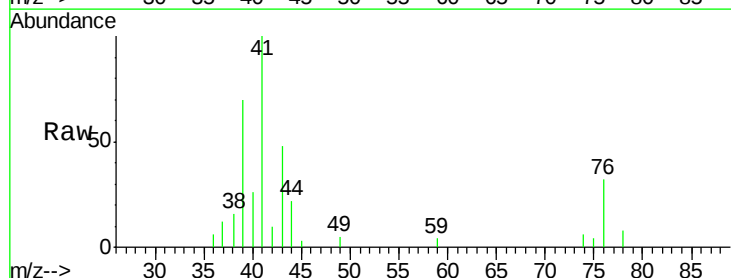
Tgt Ion: 41 Resp: 17422

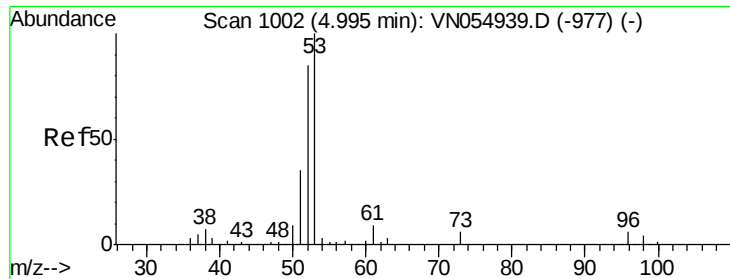
Ion Ratio Lower Upper

41 100

39 63.3 55.4 83.2

76 29.7 23.8 35.8

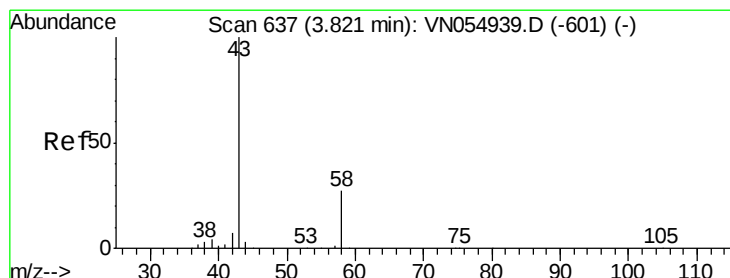
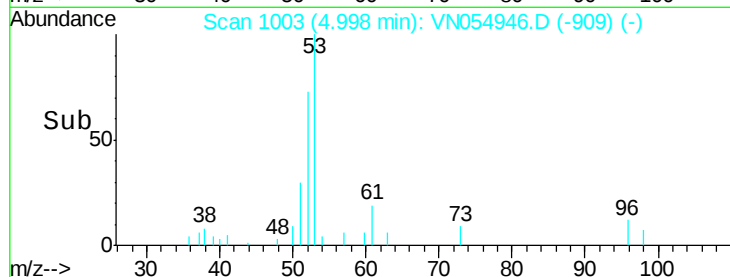
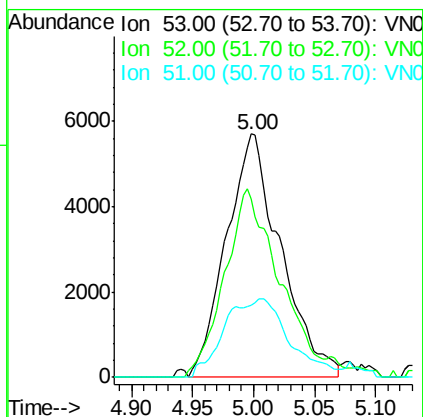
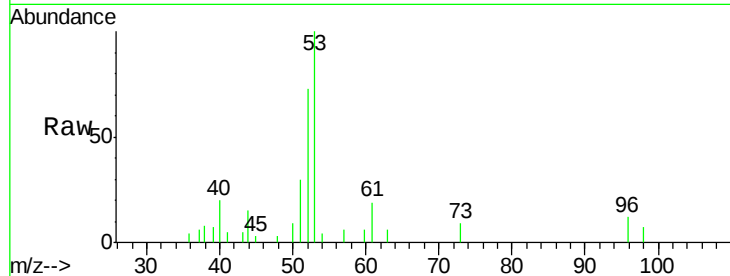




#15
 Acrylonitrile
 Concen: 10.623 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

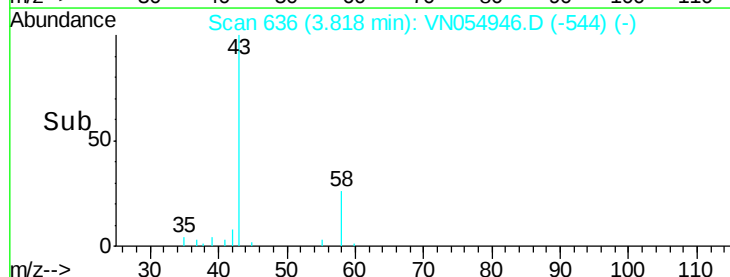
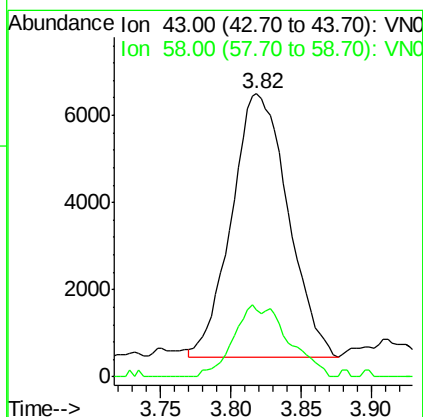
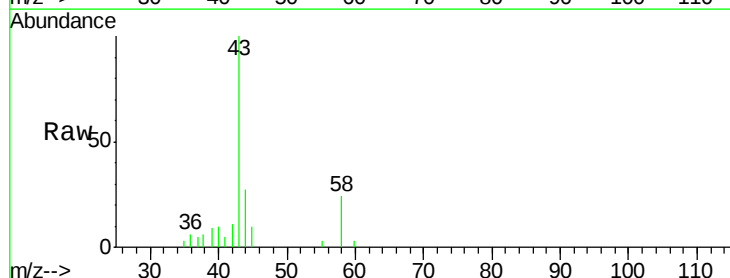
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

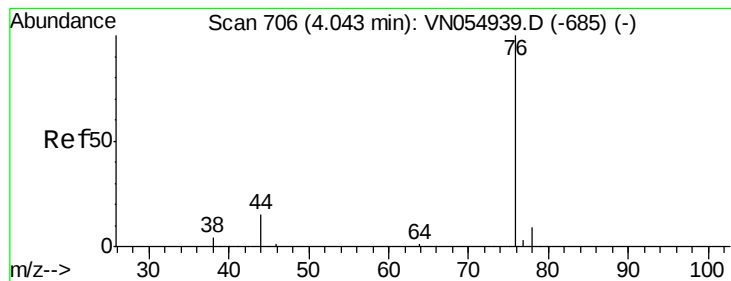
Tgt Ion: 53 Resp: 17649
 Ion Ratio Lower Upper
 53 100
 52 77.9 66.4 99.6
 51 38.8 29.5 44.3



#16
 Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 43 Resp: 16851
 Ion Ratio Lower Upper
 43 100
 58 25.3 21.7 32.5





#17

Carbon Disulfide

Concen: 1.978 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

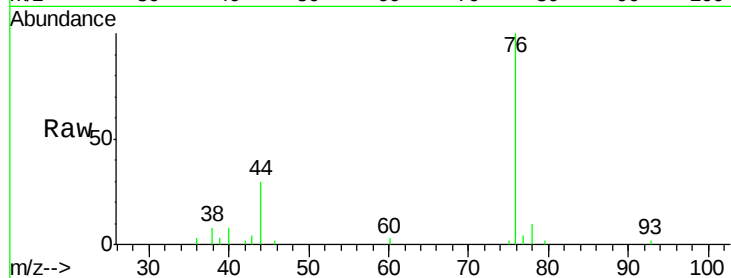
LOQ-WATER-02-QT2-2019

Tgt Ion: 76 Resp: 22598

Ion Ratio Lower Upper

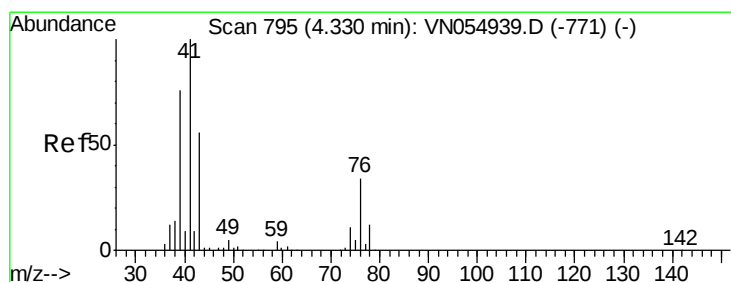
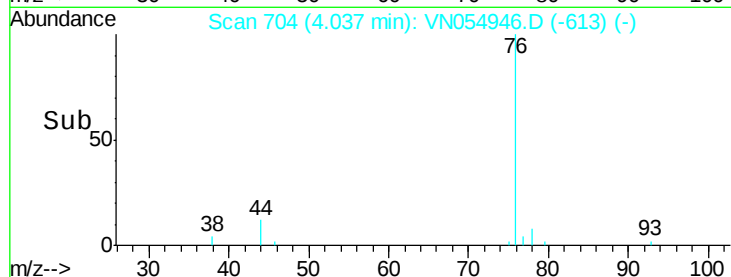
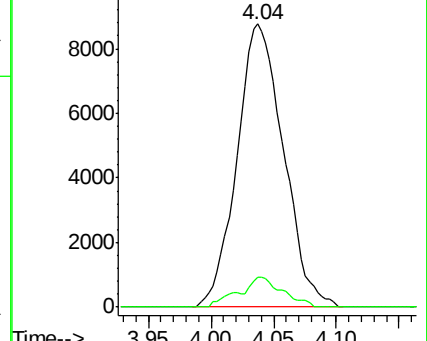
76 100

78 10.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.783 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054946.D

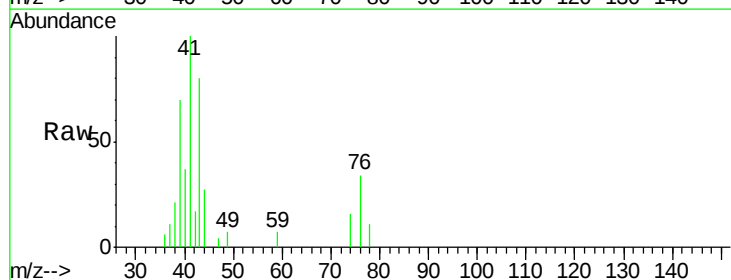
Acq: 4 Apr 2019 14:40

Tgt Ion: 43 Resp: 11109

Ion Ratio Lower Upper

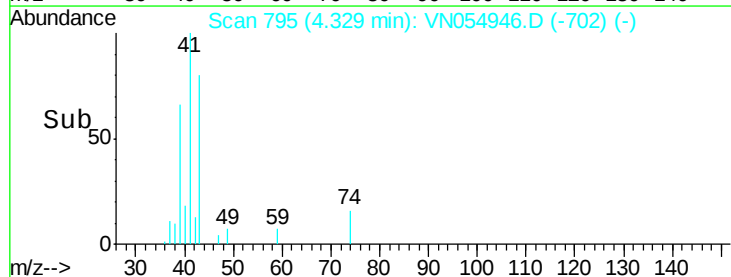
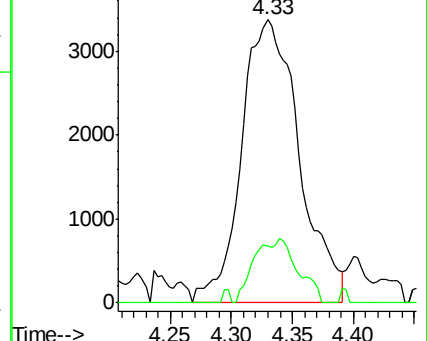
43 100

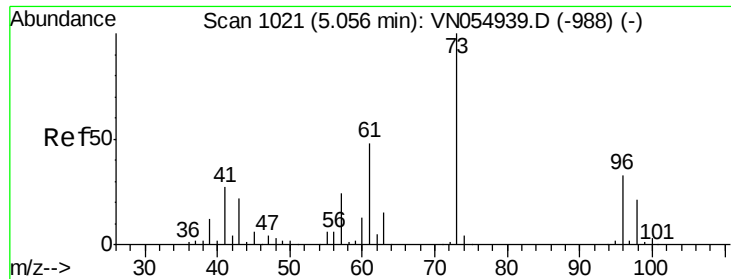
74 17.1 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

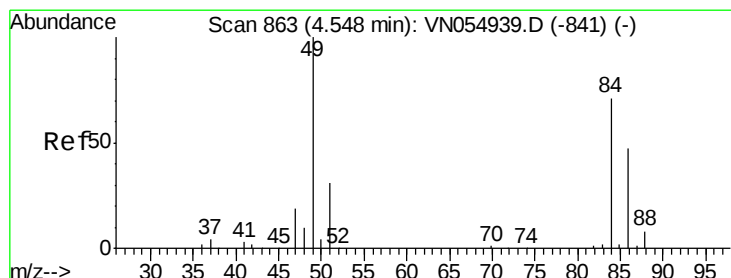
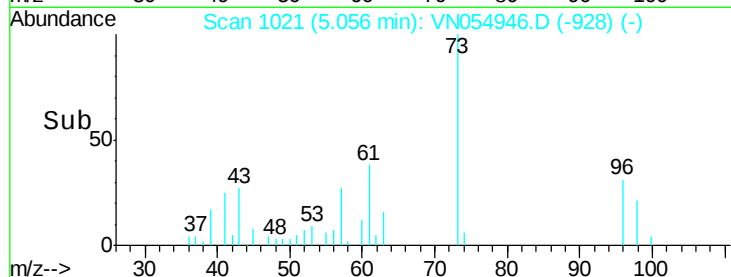
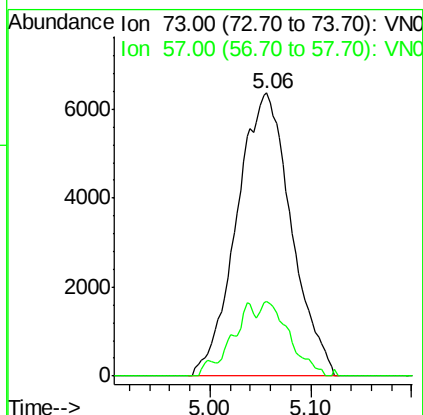
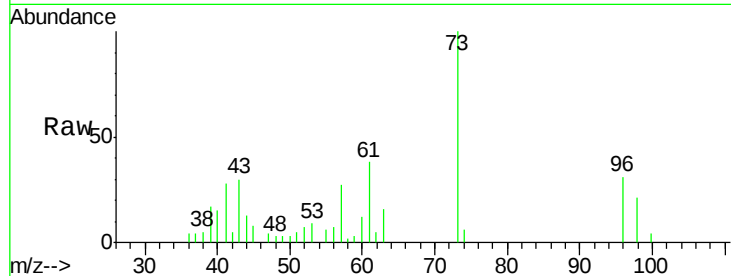




#19
Methyl tert-butyl Ether
Concen: 2.050 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

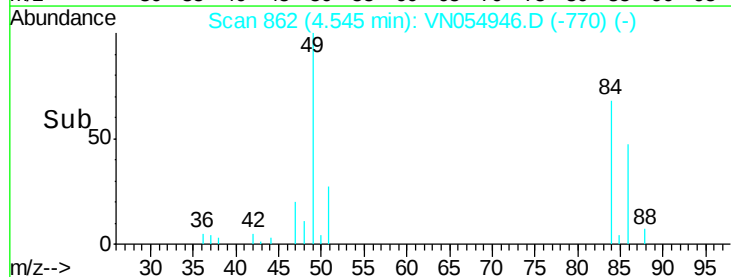
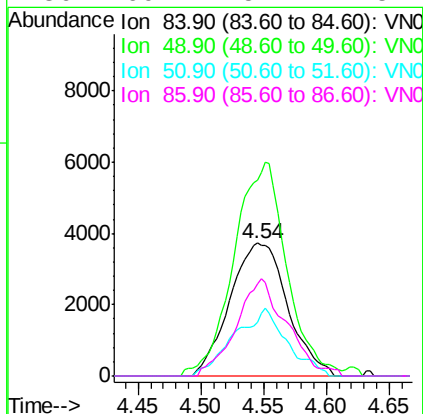
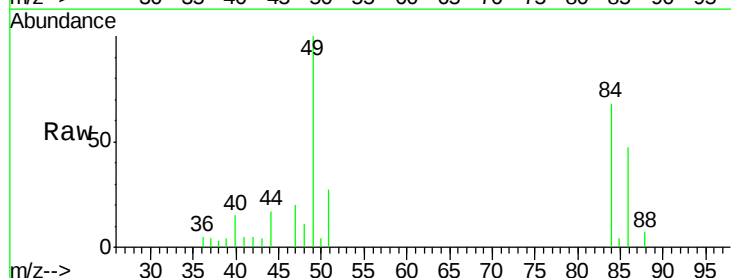
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

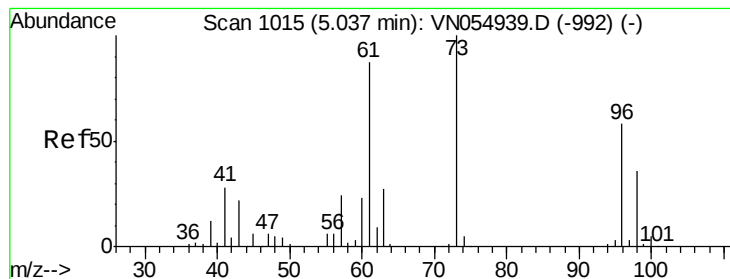
Tgt Ion: 73 Resp: 23861
Ion Ratio Lower Upper
73 100
57 26.6 19.5 29.3



#20
Methylene Chloride
Concen: 2.392 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 84 Resp: 11919
Ion Ratio Lower Upper
84 100
49 142.9 112.1 168.1
51 40.5 34.5 51.7
86 69.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 2.079 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

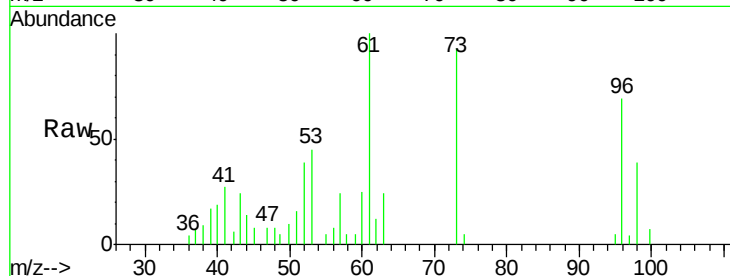
Tgt Ion: 96 Resp: 9320

Ion Ratio Lower Upper

96 100

61 139.2 120.1 180.1

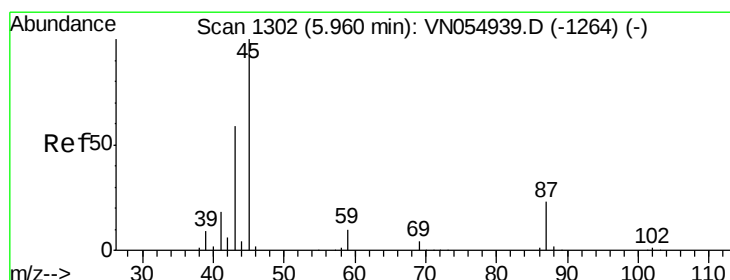
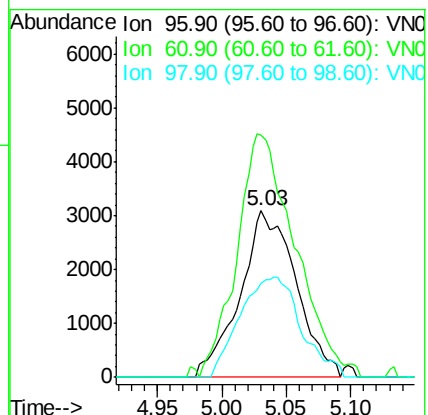
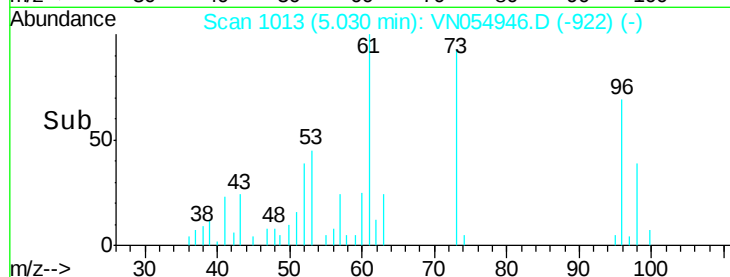
98 56.6 49.3 73.9



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: 1.976 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion: 45 Resp: 32331

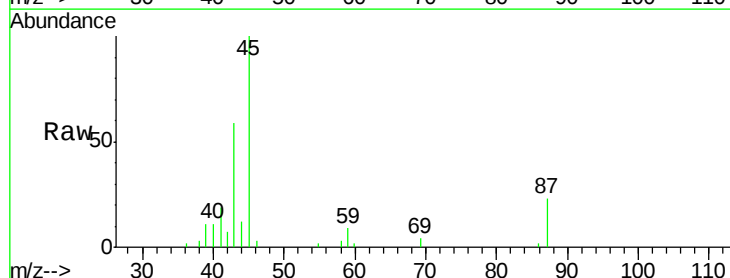
Ion Ratio Lower Upper

45 100

43 52.1 46.9 70.3

87 23.3 18.6 28.0

59 9.6 8.5 12.7

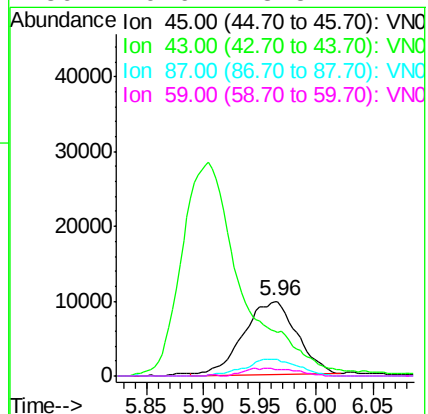
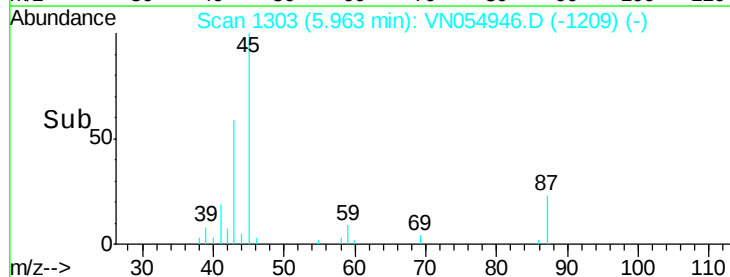


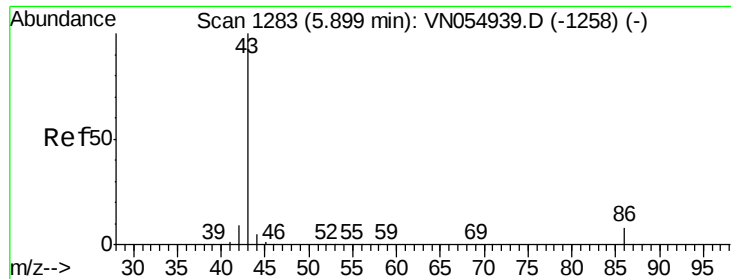
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 9.356 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

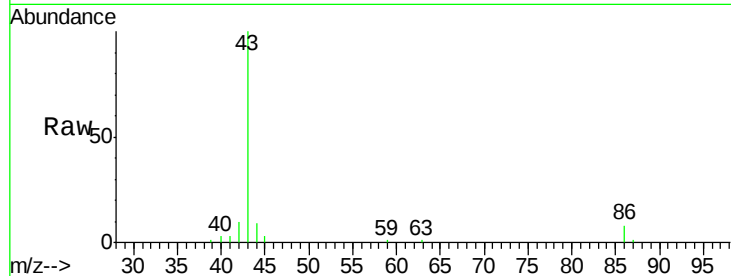
LOQ-WATER-02-QT2-2019

Tgt Ion: 43 Resp: 106508

Ion Ratio Lower Upper

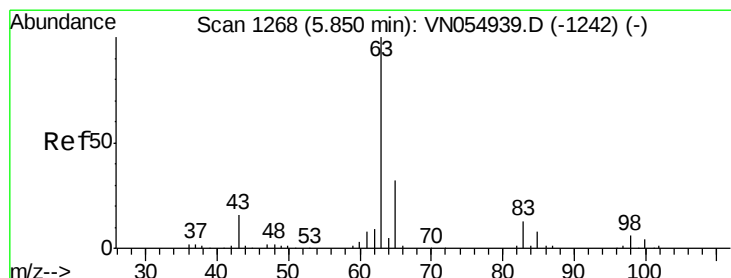
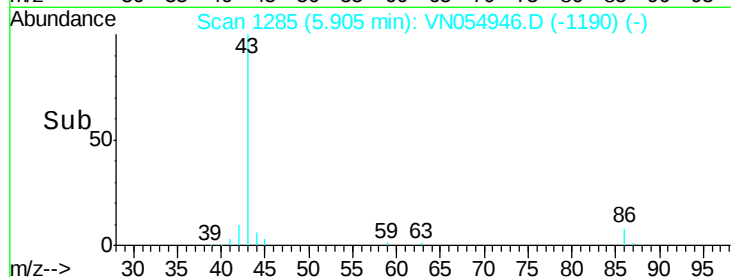
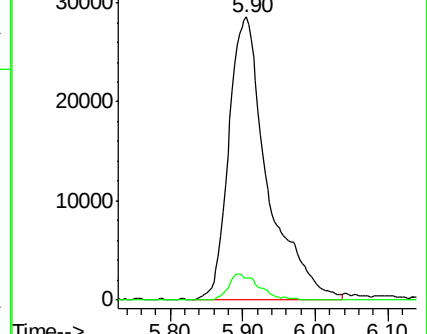
43 100

86 7.7 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 2.083 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

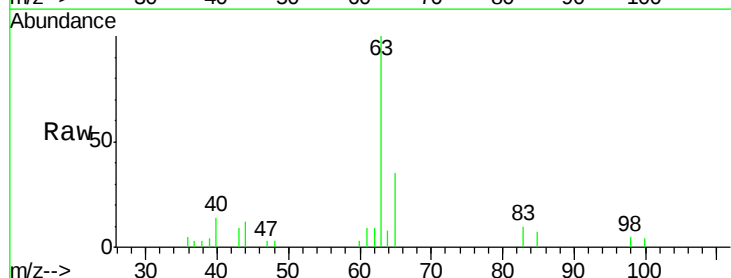
Tgt Ion: 63 Resp: 18585

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.7

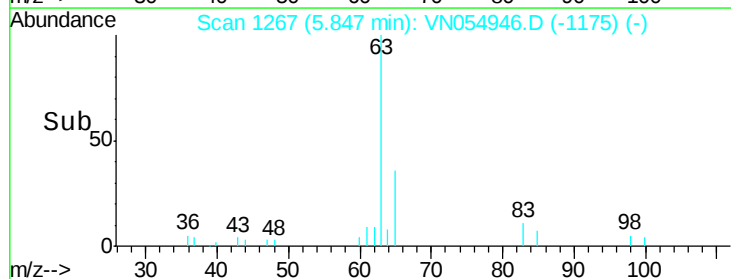
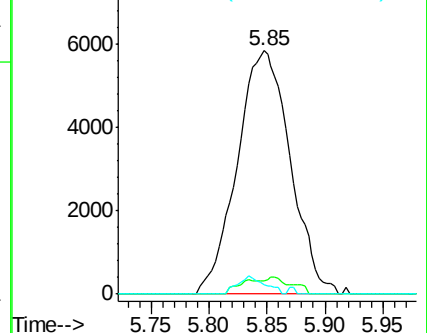
100 4.0 2.1 6.2

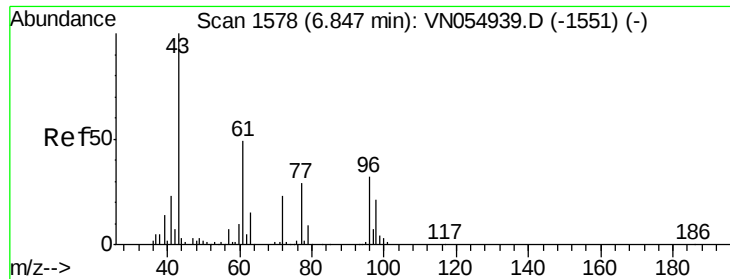


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

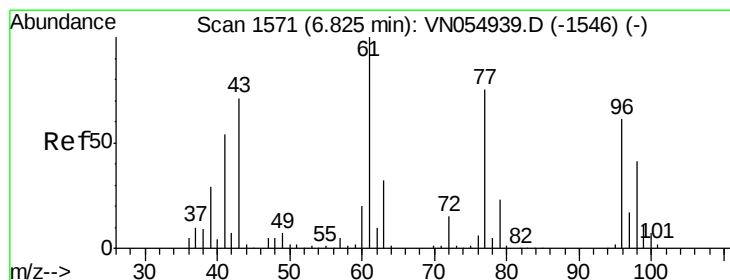
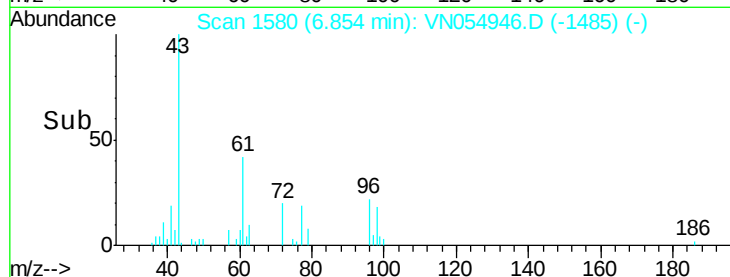
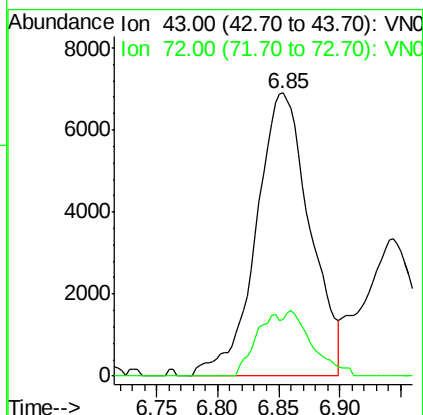
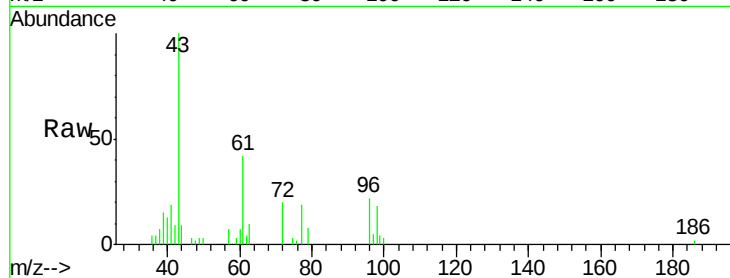




#25
2-Butanone
Concen: 10.503 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

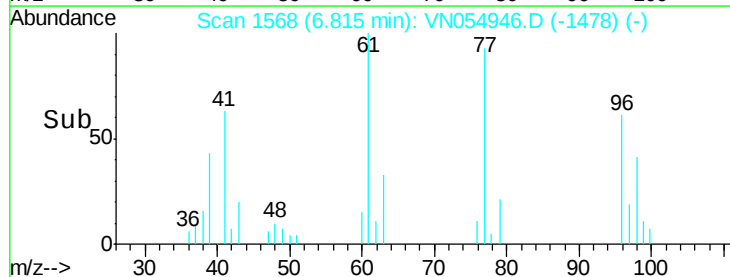
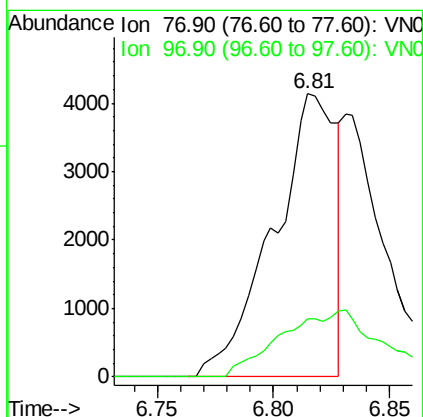
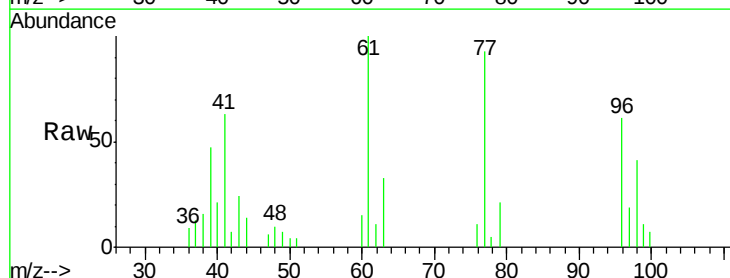
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

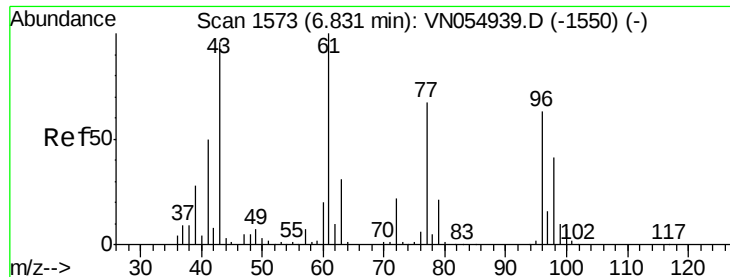
Tgt Ion: 43 Resp: 21173
Ion Ratio Lower Upper
43 100
72 20.1 18.3 27.5



#26
2,2-Dichloropropane
Concen: 1.241 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 77 Resp: 7762
Ion Ratio Lower Upper
77 100
97 36.4 11.6 34.8#





#27

cis-1,2-Dichloroethene

Concen: 2.092 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

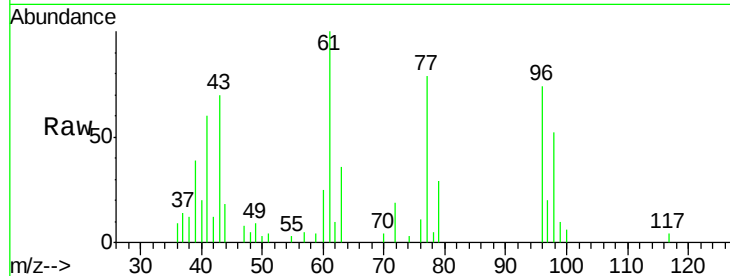
Tgt Ion: 96 Resp: 10639

Ion Ratio Lower Upper

96 100

61 151.8 0.0 316.2

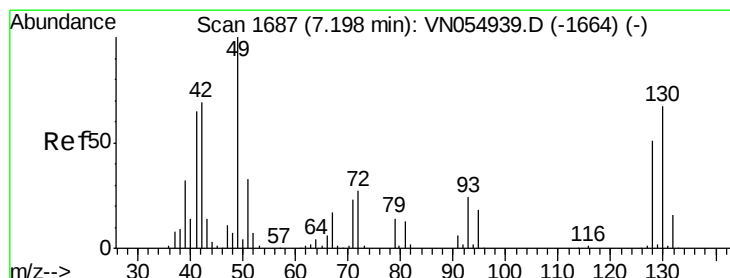
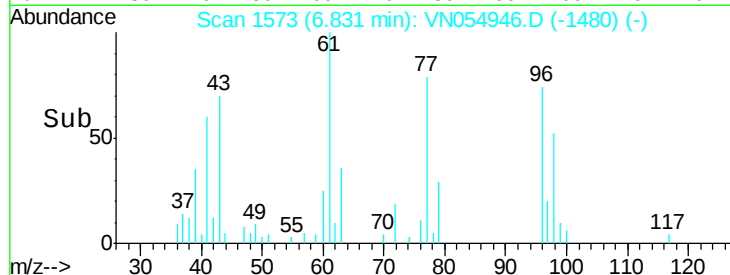
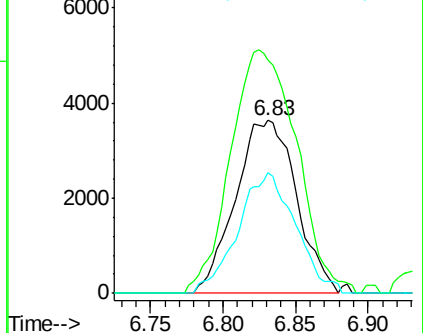
98 65.8 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN054946.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN054946.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN054946.D (-1480) (-)



#28

Bromochloromethane

Concen: 2.100 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

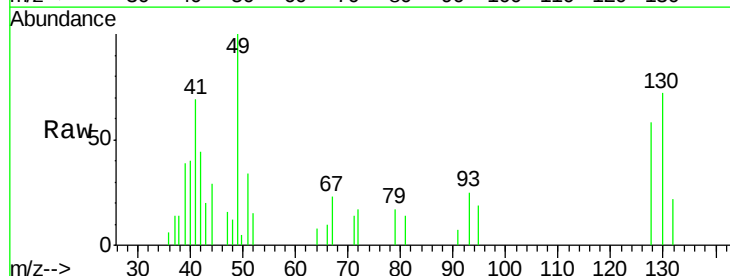
Tgt Ion: 49 Resp: 8779

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

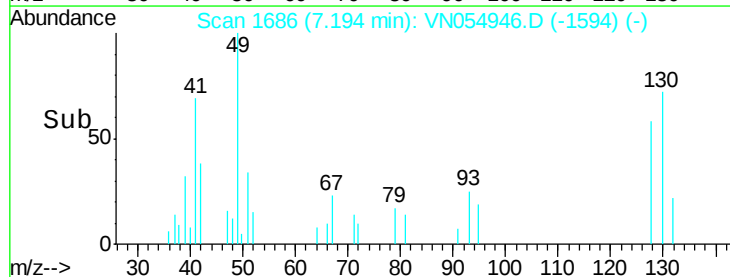
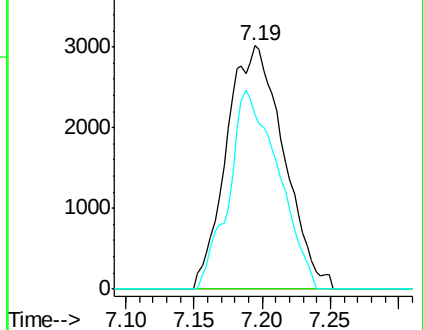
130 70.8 53.1 79.7

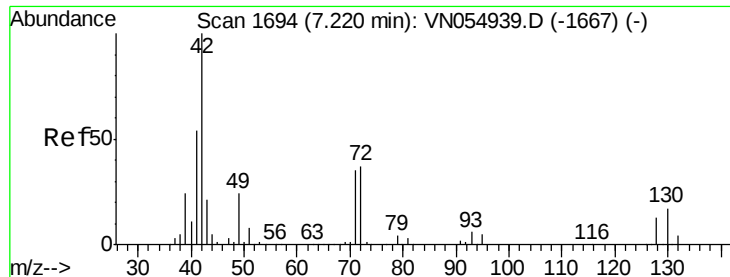


Abundance Ion 48.90 (48.60 to 49.60): VN054946.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN054946.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN054946.D (-1594) (-)

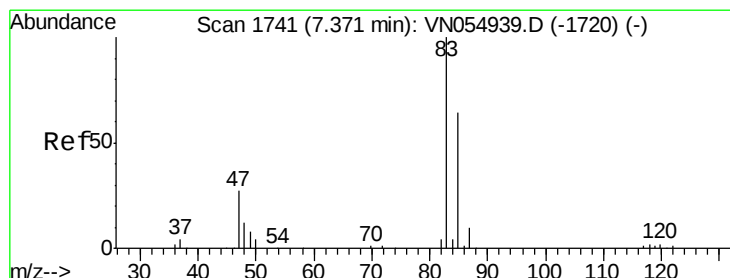
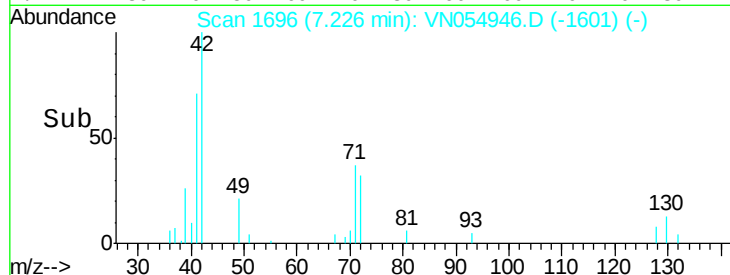
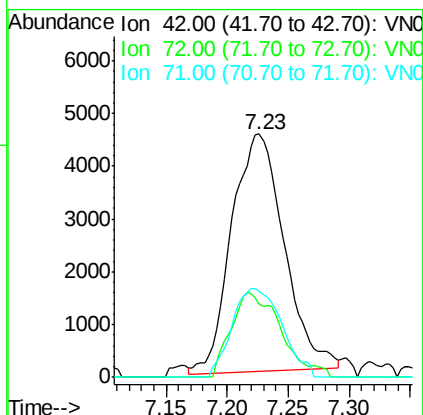
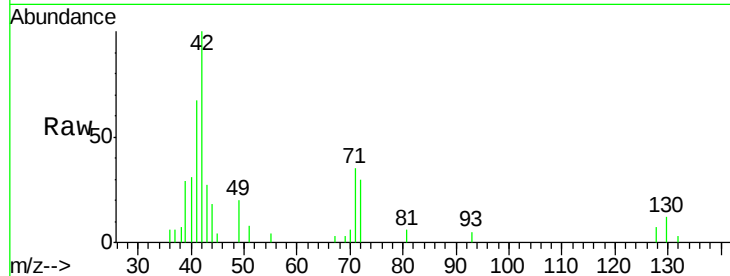




#29
Tetrahydrofuran
Concen: 10.249 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

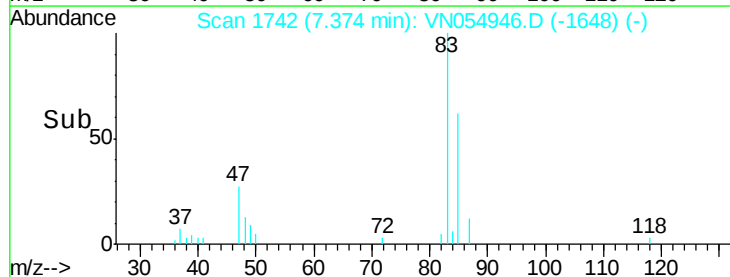
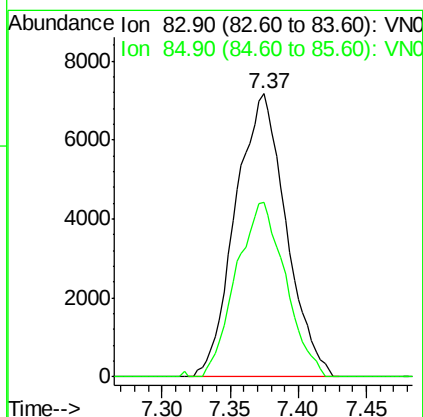
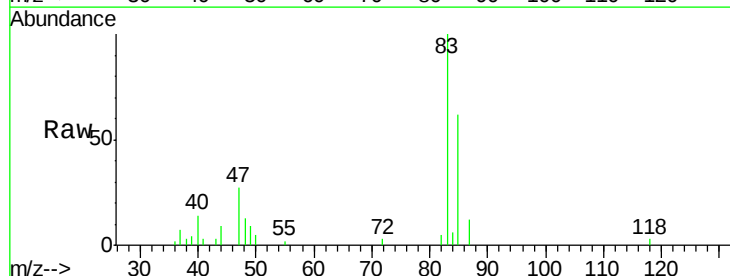
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

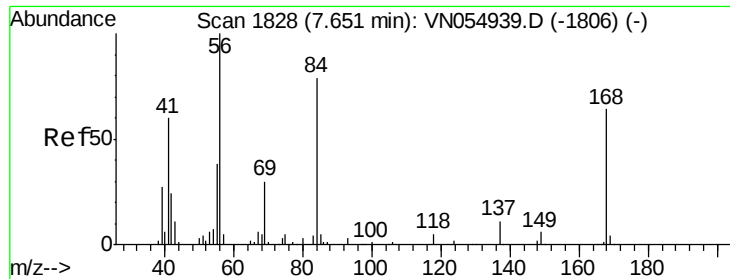
Tgt Ion: 42 Resp: 13542
Ion Ratio Lower Upper
42 100
72 33.9 29.3 43.9
71 35.3 27.8 41.6



#30
Chloroform
Concen: 2.186 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 83 Resp: 18485
Ion Ratio Lower Upper
83 100
85 61.7 51.4 77.0

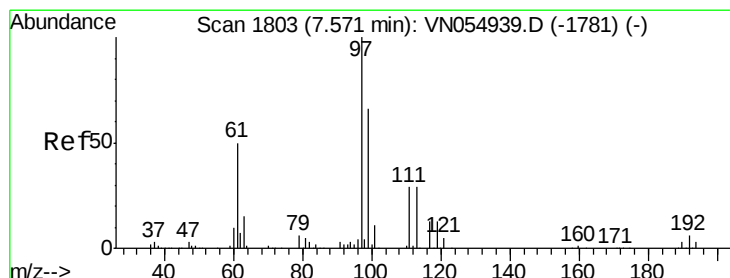
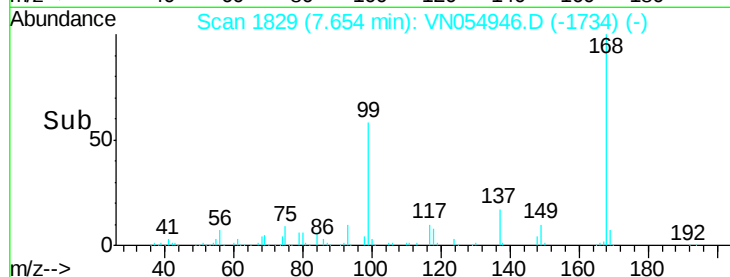
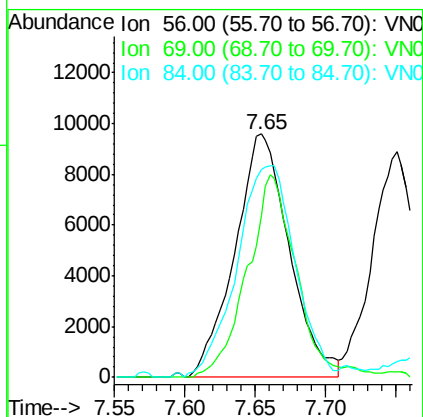
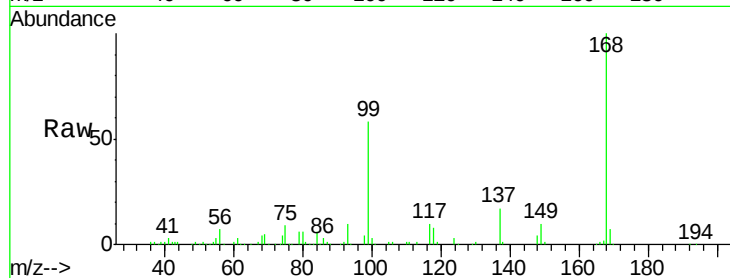




#31
Cyclohexane
Concen: 1.536 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

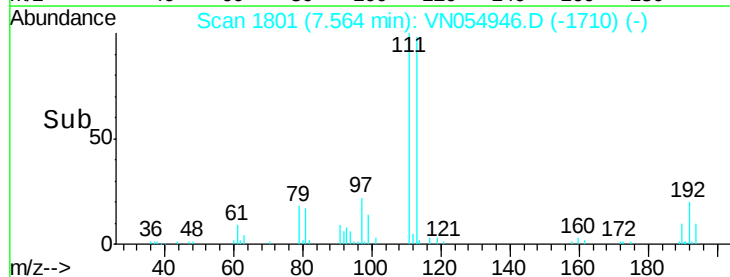
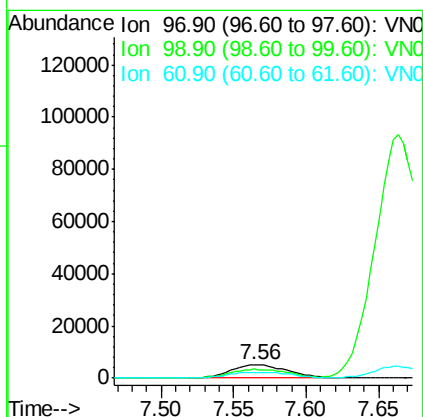
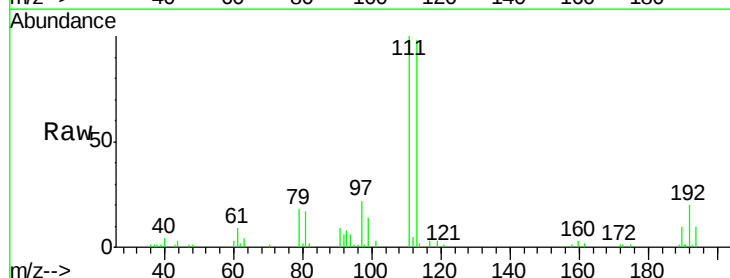
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

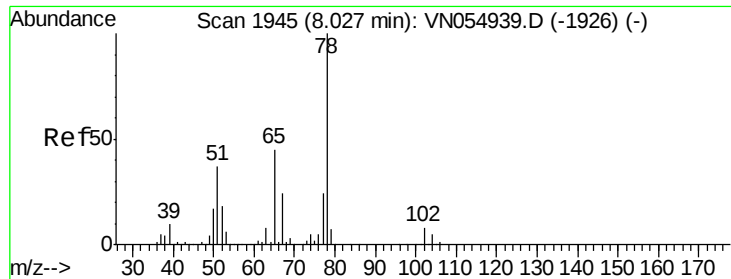
Tgt Ion: 56 Resp: 25925
Ion Ratio Lower Upper
56 100
69 66.2 23.8 35.6#
84 83.8 61.8 92.8



#32
1,1,1-Trichloroethane
Concen: 1.935 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 97 Resp: 13810
Ion Ratio Lower Upper
97 100
99 67.5 52.1 78.1
61 49.8 39.6 59.4

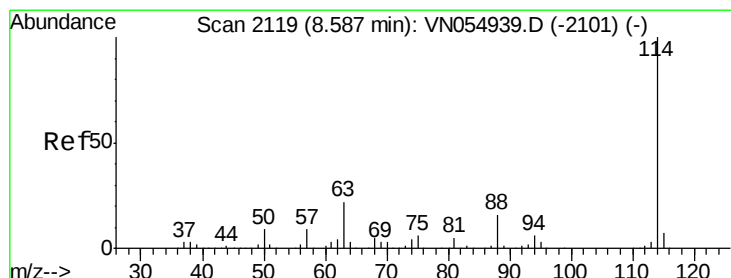
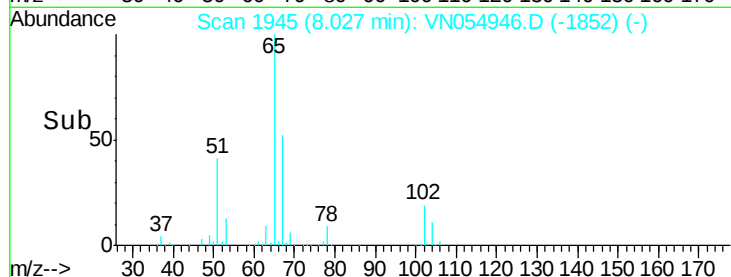
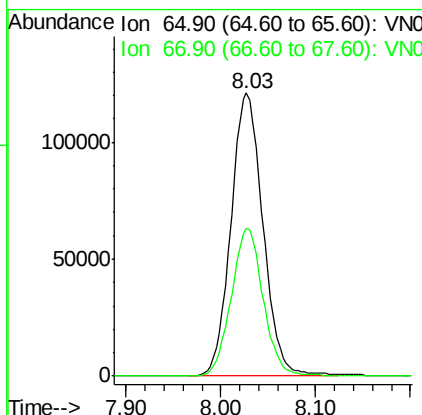
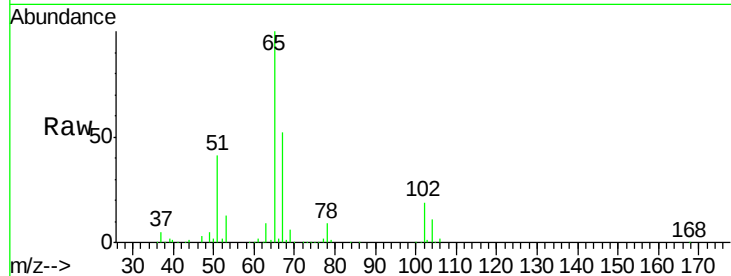




#33
 1,2-Dichloroethane-d4
 Concen: 53.095 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

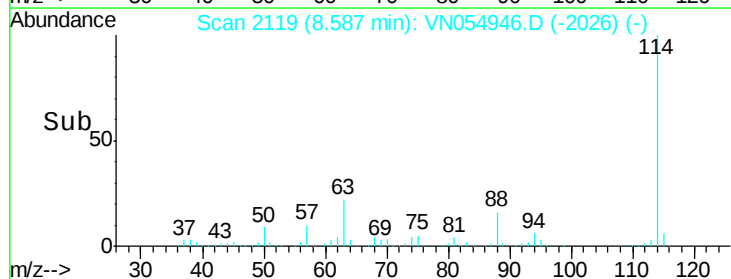
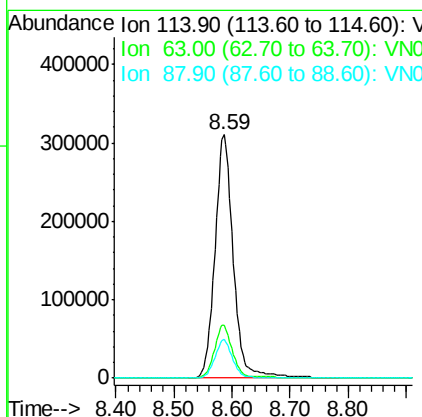
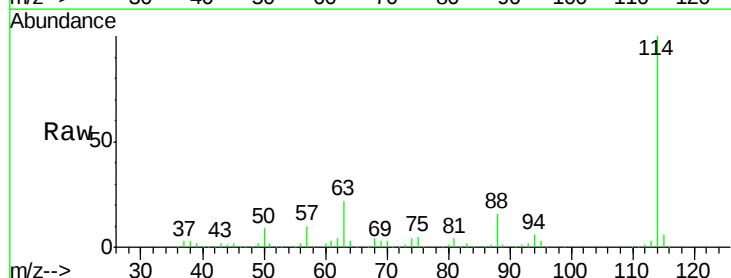
Instrument :
 MSVOA_N
 ClientSampleId :
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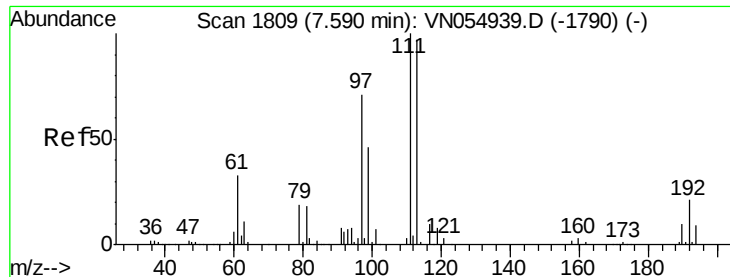
Tgt Ion: 65 Resp: 285052
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 114 Resp: 683183
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.6
 88 15.9 0.0 32.0

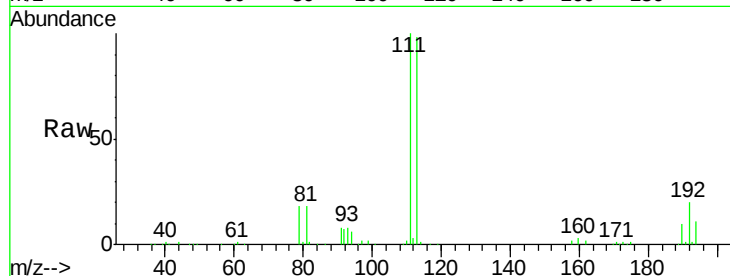




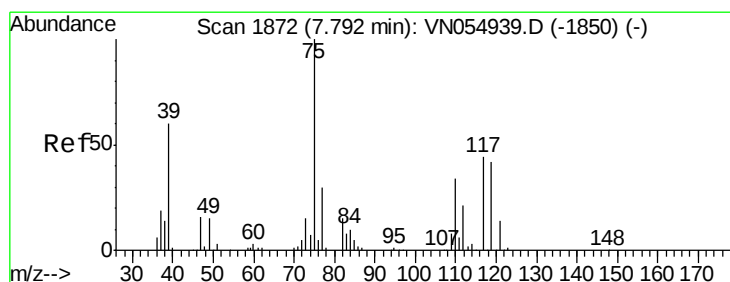
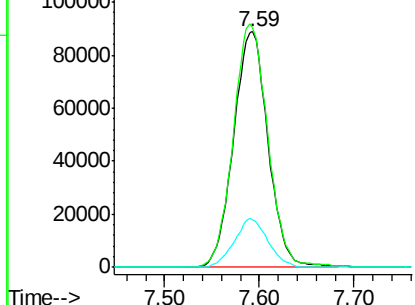
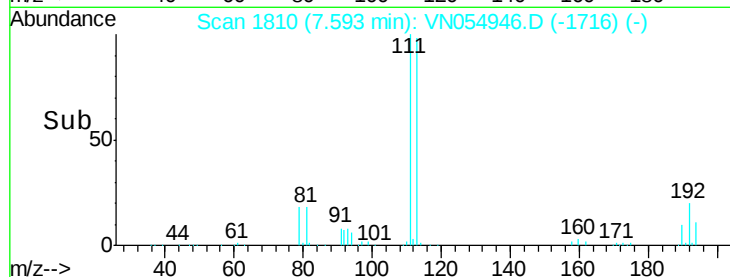
#35
 Dibromofluoromethane
 Concen: 50.559 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tgt Ion: 113 Resp: 224849
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.0 121.4
 192 20.2 16.5 24.7

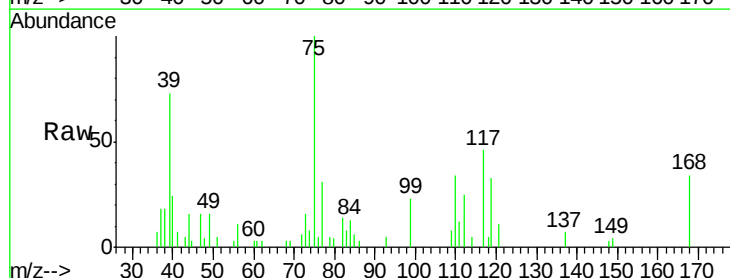


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

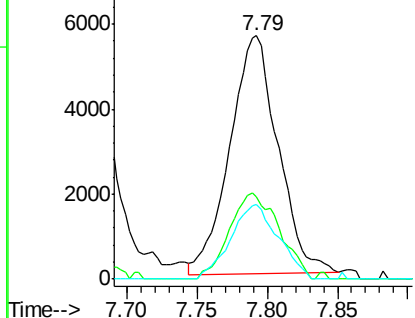
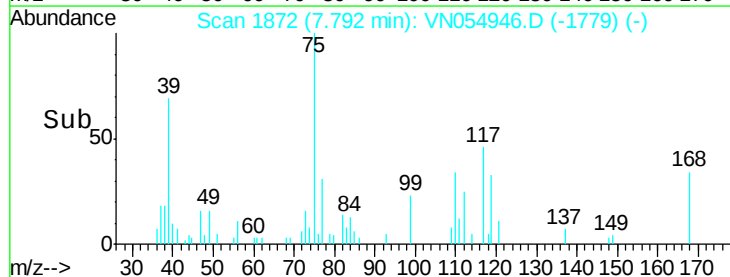


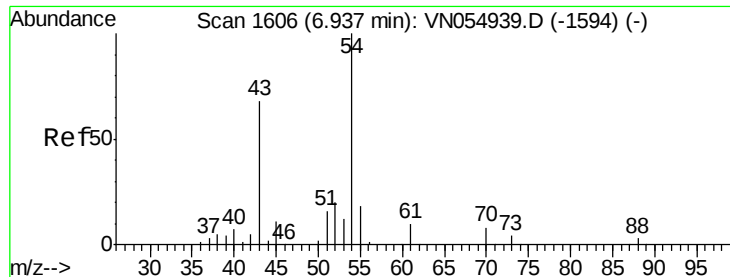
#36
 1,1-Dichloropropene
 Concen: 1.984 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 75 Resp: 13428
 Ion Ratio Lower Upper
 75 100
 110 37.2 17.0 50.9
 77 30.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

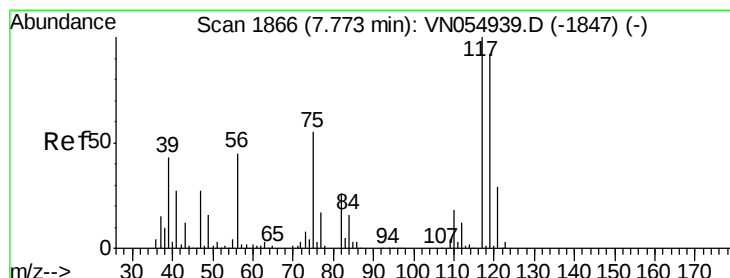
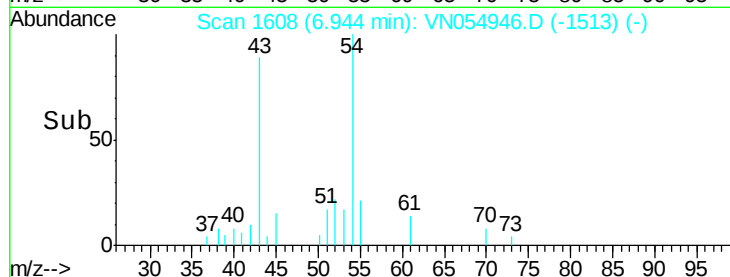
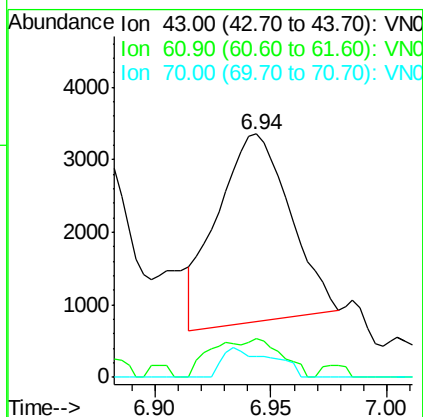
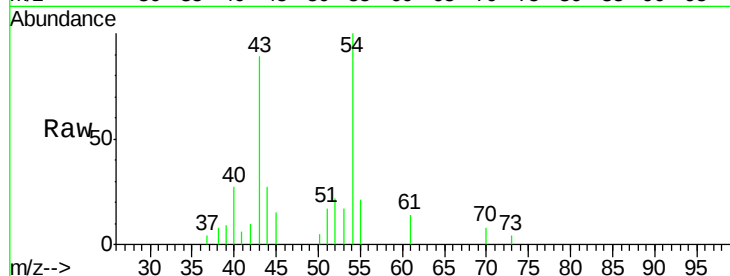




#37
Ethyl Acetate
 Concen: 1.214 ug/l
 RT: 6.94 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

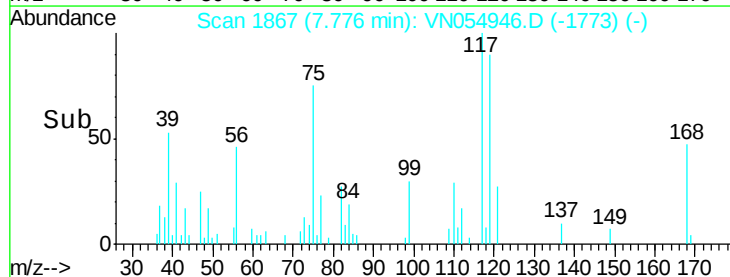
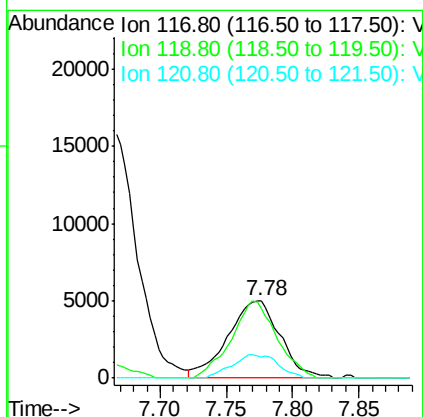
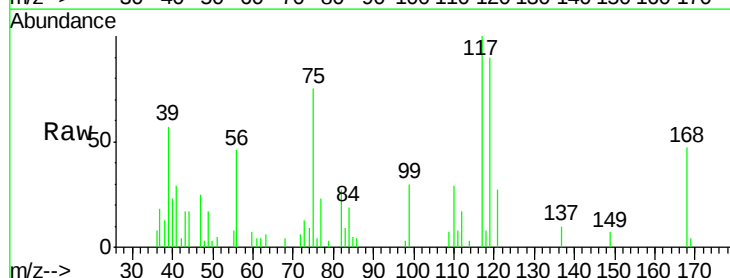
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

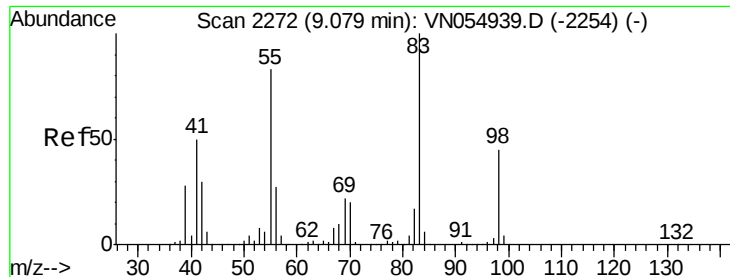
Tgt Ion: 43 Resp: 5640
 Ion Ratio Lower Upper
 43 100
 61 19.6 10.3 15.5#
 70 10.8 7.0 10.4#



#38
Carbon Tetrachloride
 Concen: 2.091 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 117 Resp: 13667
 Ion Ratio Lower Upper
 117 100
 119 90.1 73.6 110.4
 121 27.2 23.4 35.0

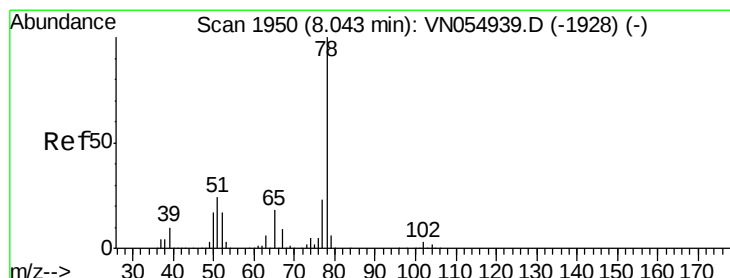
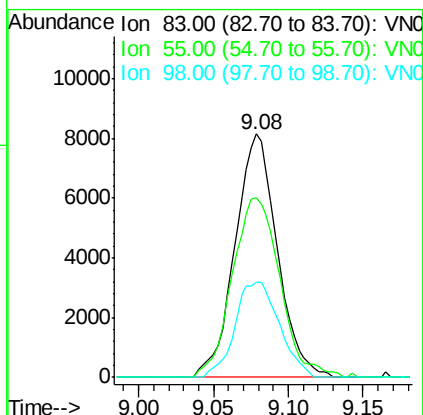
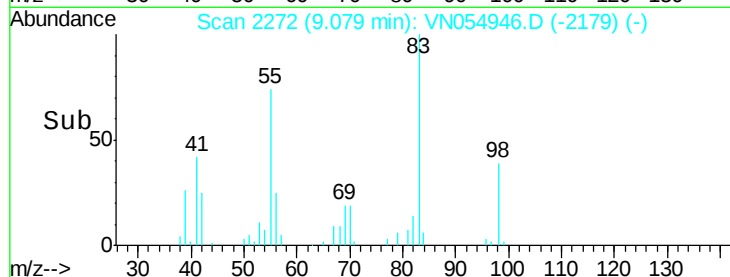
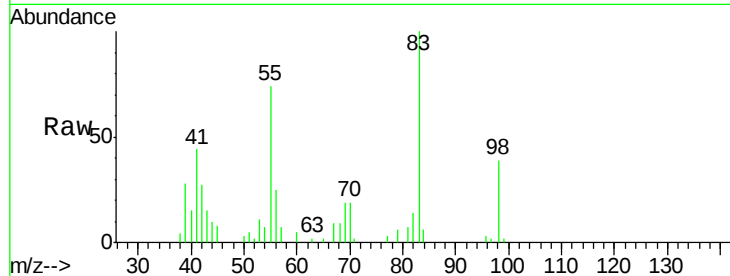




#39
Methylcyclohexane
Concen: 2.151 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

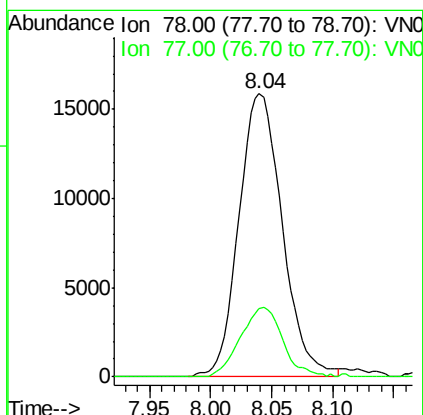
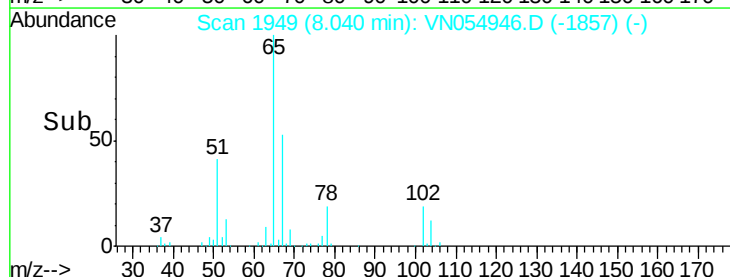
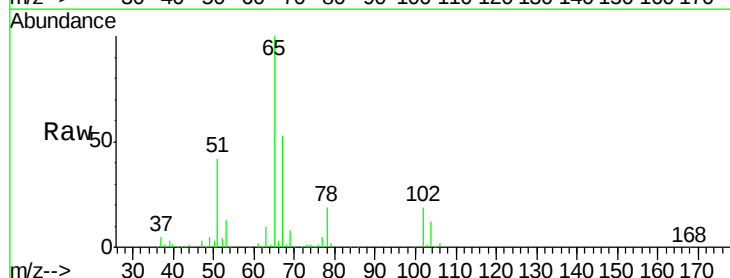
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MSVOA_N
ClientSampleId :
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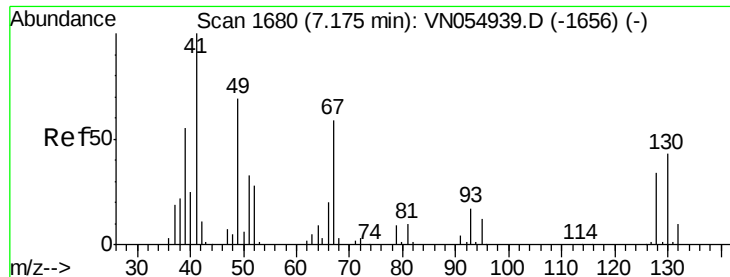
Tgt Ion: 83 Resp: 16018
Ion Ratio Lower Upper
83 100
55 73.6 66.4 99.6
98 39.0 36.4 54.6



#40
Benzene
Concen: 2.003 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 78 Resp: 39018
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8

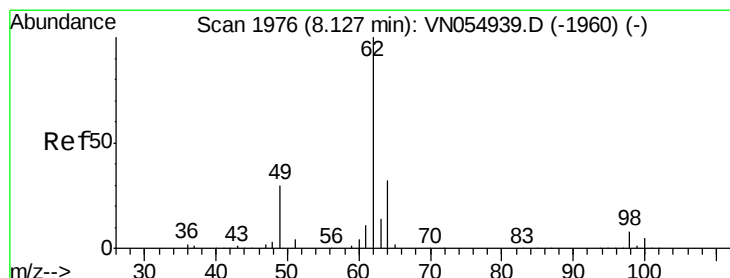
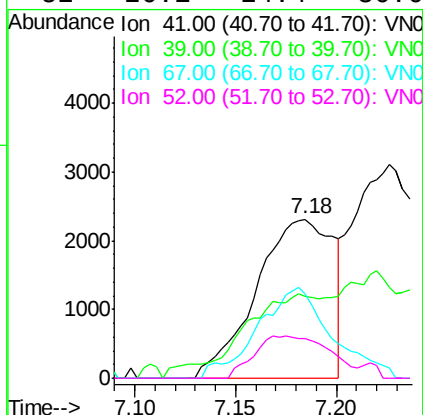
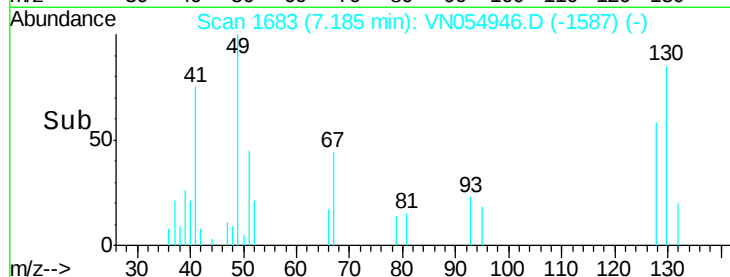
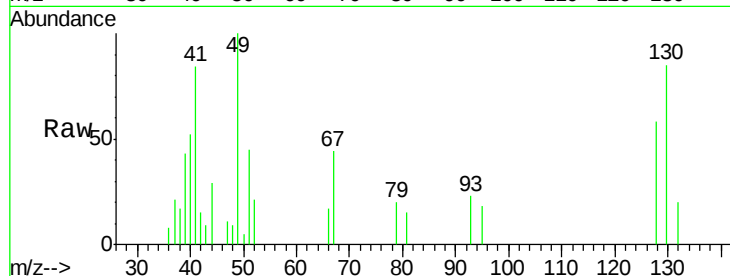




#41
Methacrylonitrile
Concen: 2.303 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

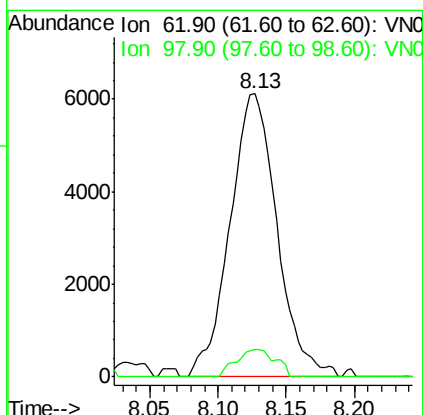
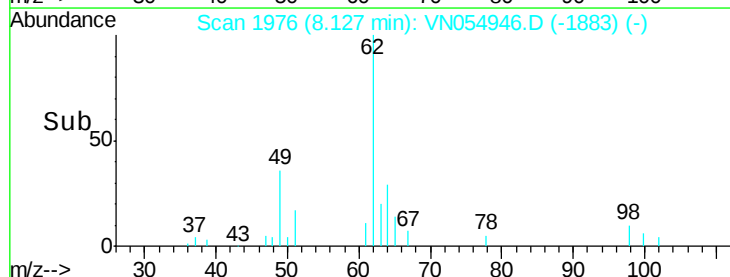
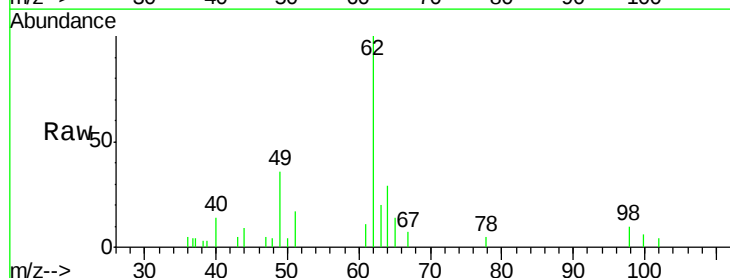
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

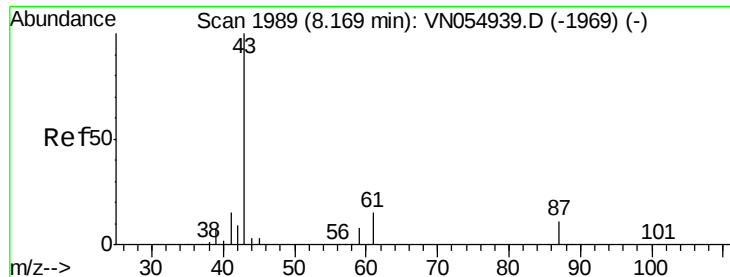
Tgt Ion: 41 Resp: 6118
Ion Ratio Lower Upper
41 100
39 51.8 43.0 64.6
67 55.0 55.0 82.6#
52 26.1 24.4 36.6



#42
1,2-Dichloroethane
Concen: 2.142 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 62 Resp: 14660
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.0





#43

Isopropyl Acetate

Concen: 1.763 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

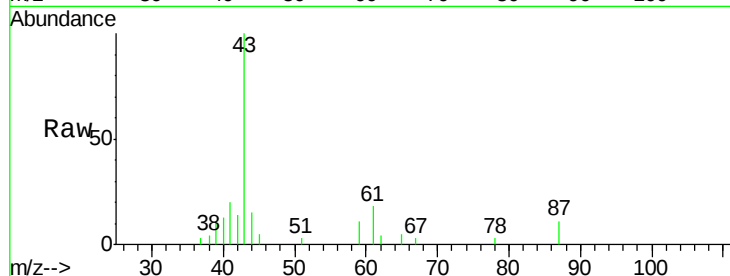
Tgt Ion: 43 Resp: 13803

Ion Ratio Lower Upper

43 100

61 20.9 14.4 21.6

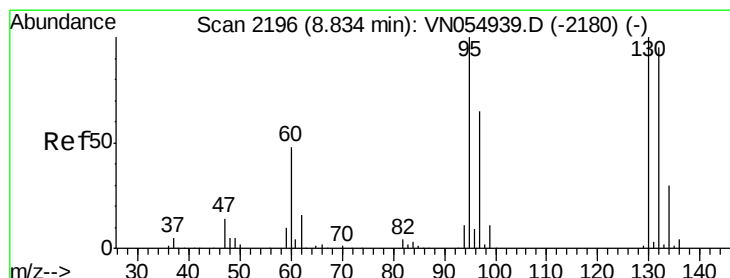
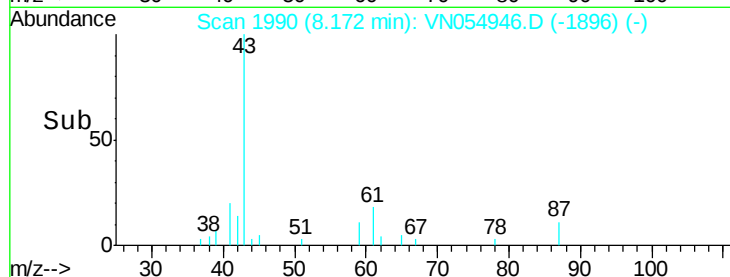
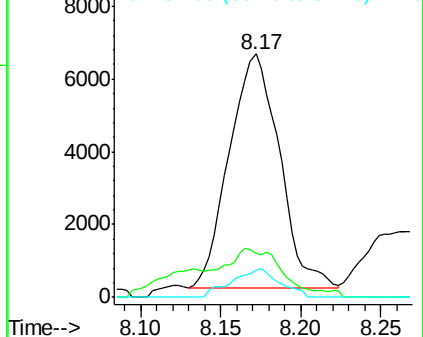
87 11.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN054939.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN054939.D (-1969) (-)



#44

Trichloroethene

Concen: 2.070 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054946.D

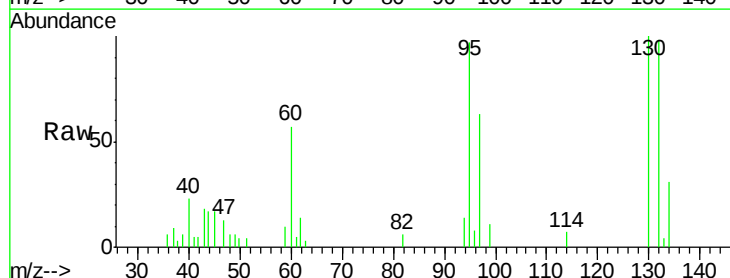
Acq: 4 Apr 2019 14:40

Tgt Ion: 130 Resp: 10311

Ion Ratio Lower Upper

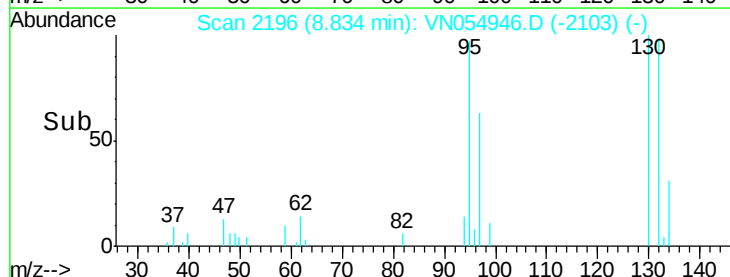
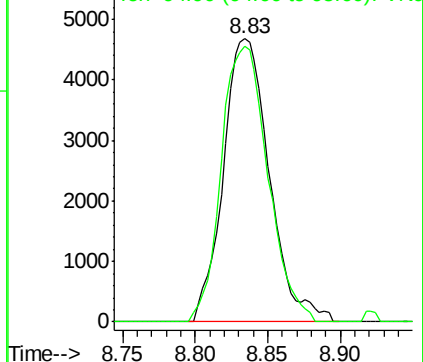
130 100

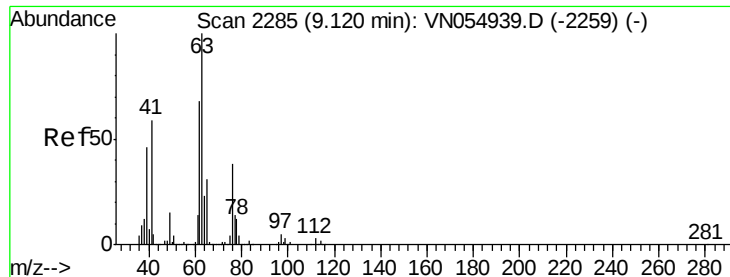
95 97.4 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VN054939.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054939.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 2.074 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

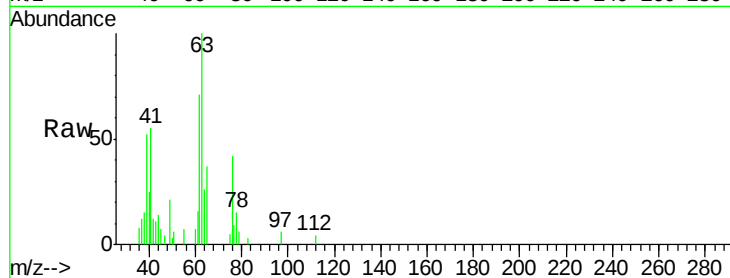
LOQ-WATER-02-QT2-2019

Tgt Ion: 63 Resp: 11258

Ion Ratio Lower Upper

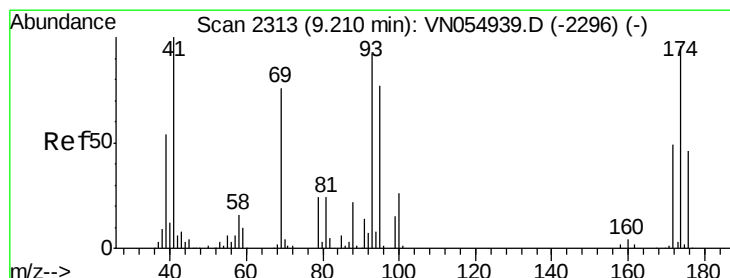
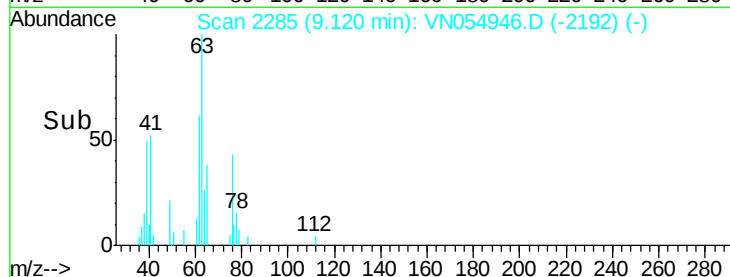
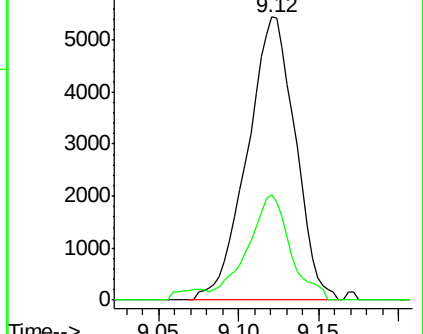
63 100

65 37.1 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 2.074 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

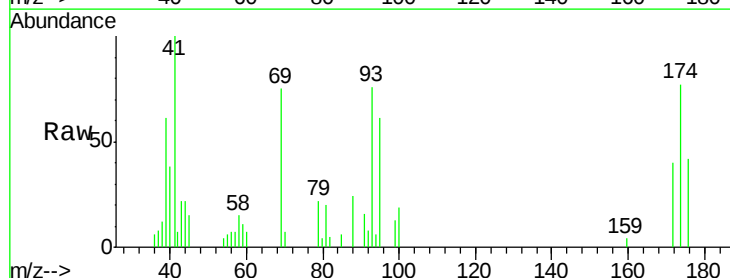
Tgt Ion: 93 Resp: 6382

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

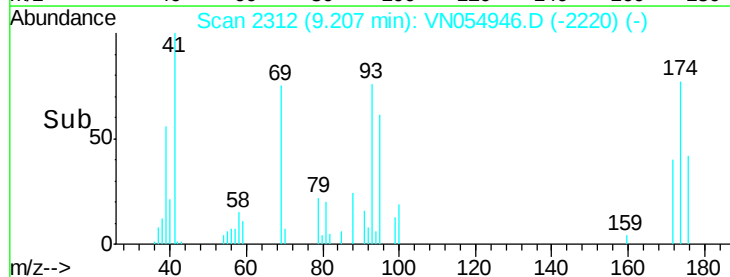
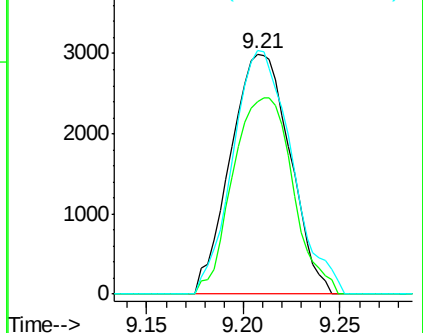
174 100.8 82.0 123.0

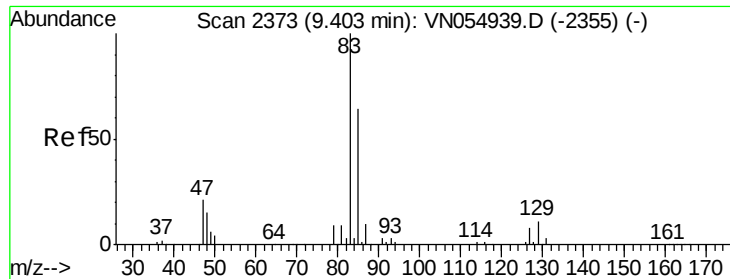


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.963 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

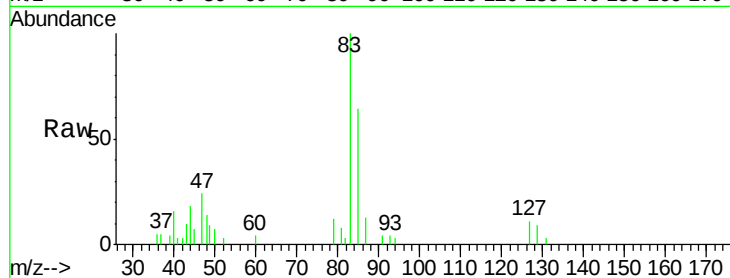
Tgt Ion: 83 Resp: 12689

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7

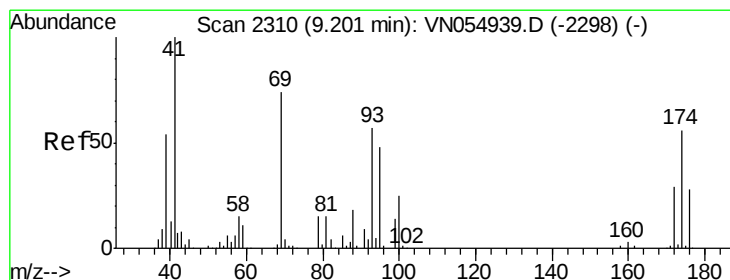
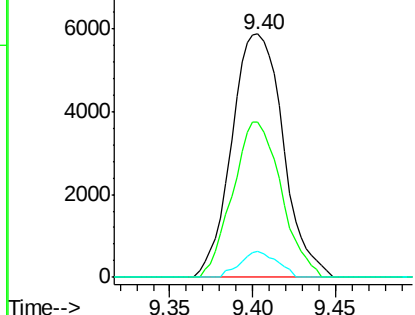
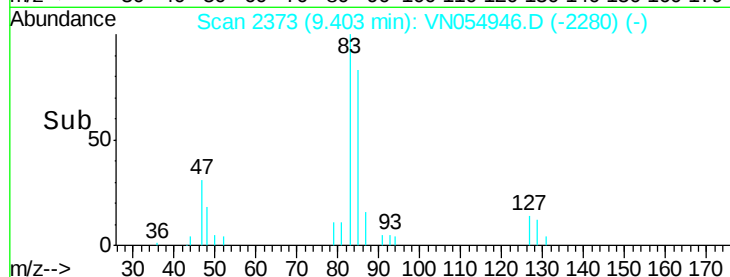
127 10.8 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VN054946.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054946.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054946.D (-2280) (-)



#48

Methyl methacrylate

Concen: 2.165 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

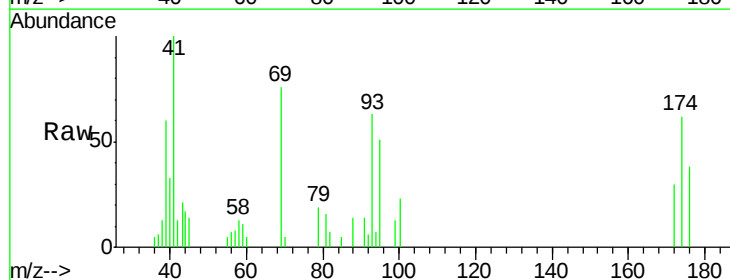
Tgt Ion: 41 Resp: 8580

Ion Ratio Lower Upper

41 100

69 69.3 58.9 88.3

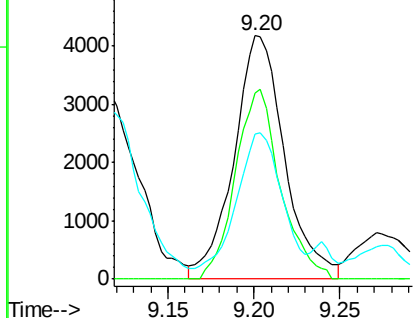
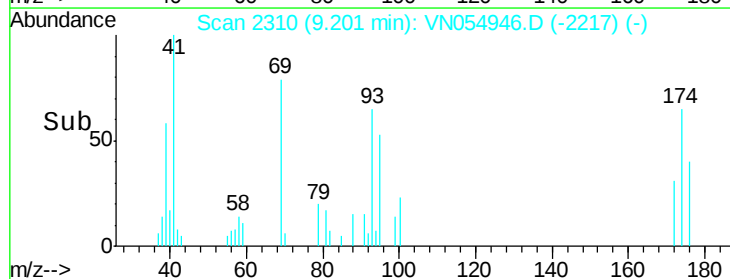
39 48.8 44.2 66.4

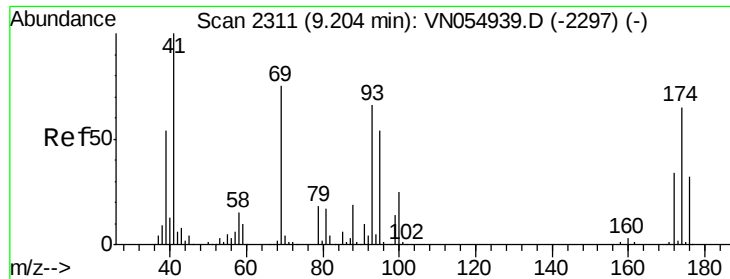


Abundance Ion 41.00 (40.70 to 41.70): VN054946.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054946.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054946.D (-2217) (-)

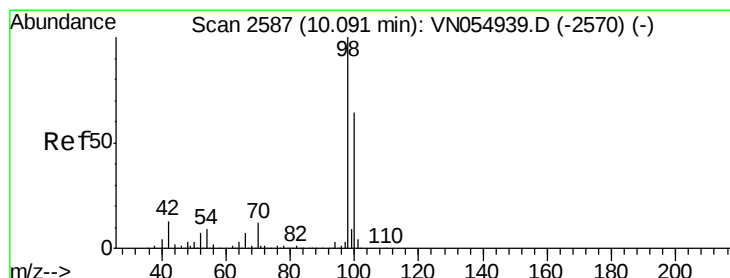
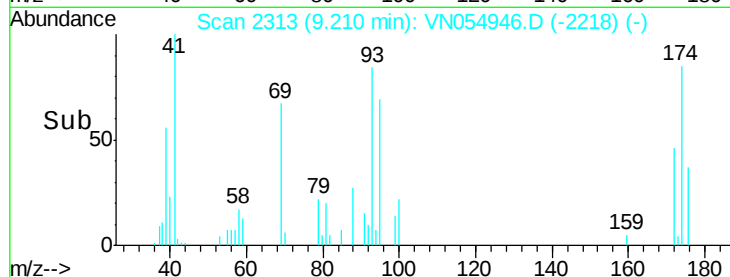
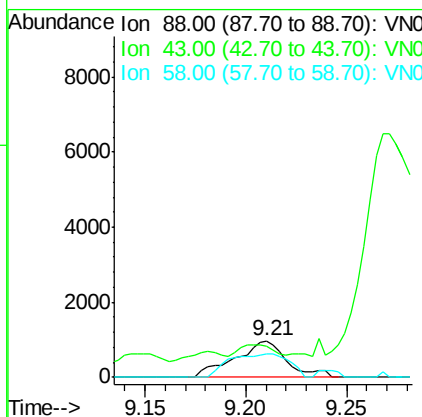
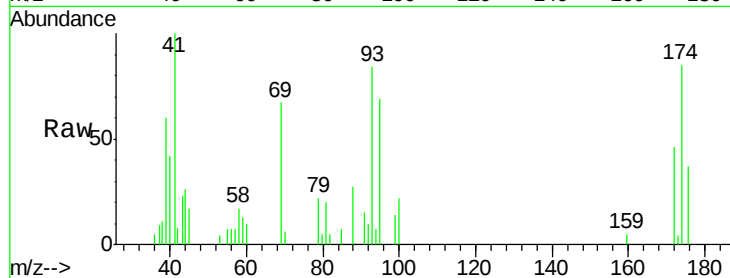




#49
1,4-Dioxane
Concen: 43.721 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

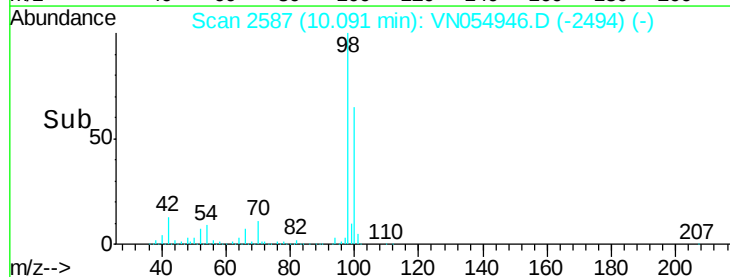
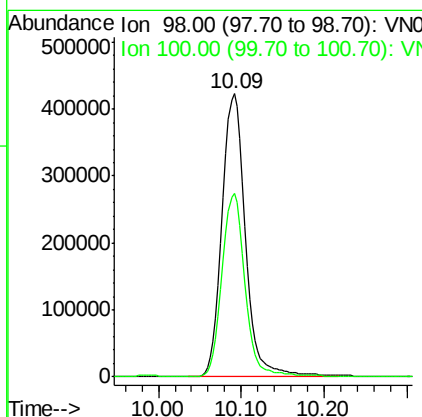
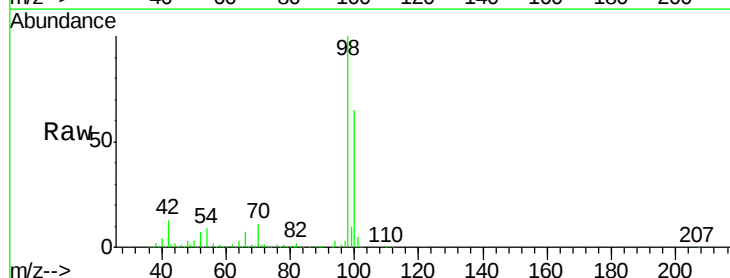
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

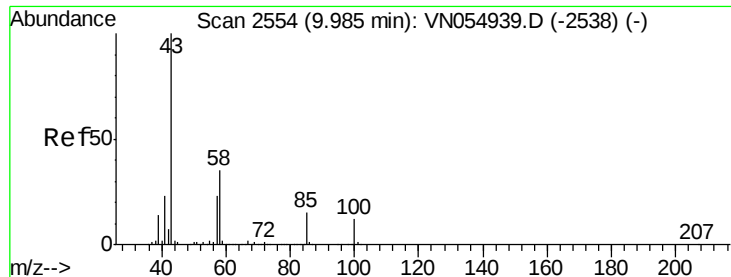
Tgt Ion: 88 Resp: 1749
Ion Ratio Lower Upper
88 100
43 20.8 31.5 47.3#
58 73.6 61.9 92.9



#50
Toluene-d8
Concen: 49.319 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 98 Resp: 832241
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3

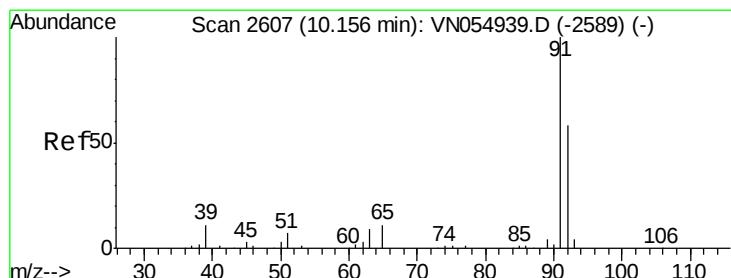
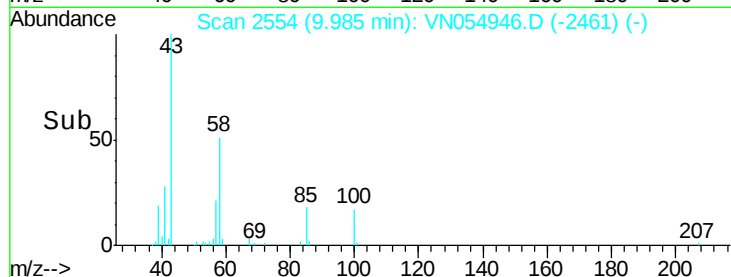
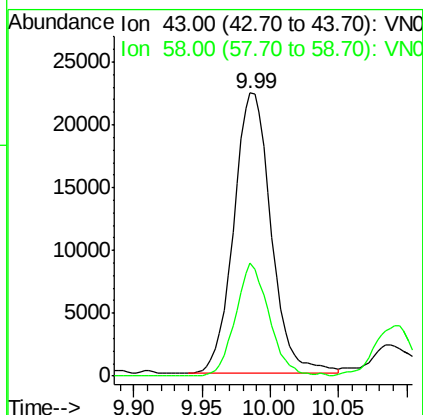
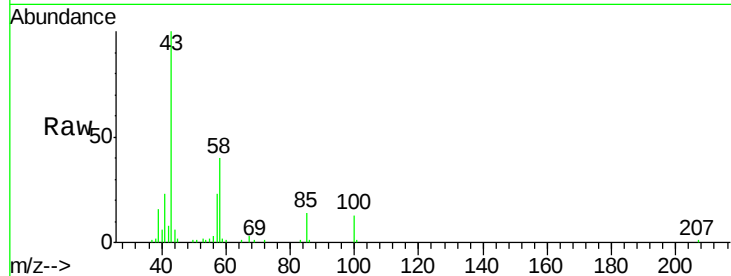




#51
 4-Methyl-2-Pentanone
 Concen: 9.698 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

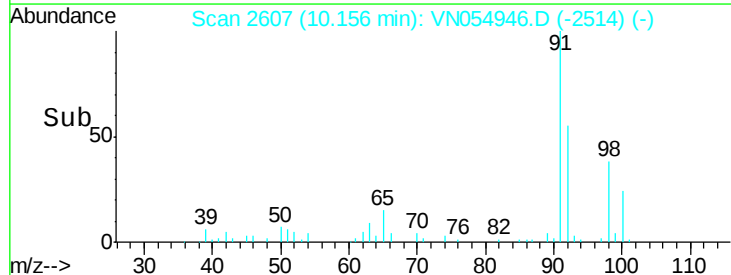
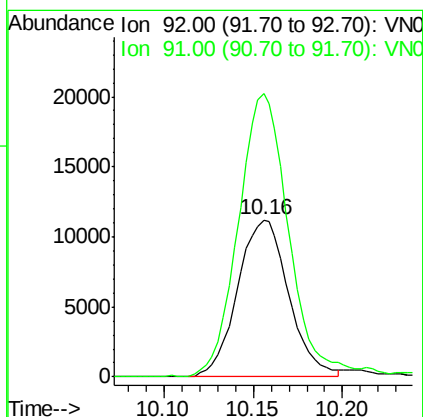
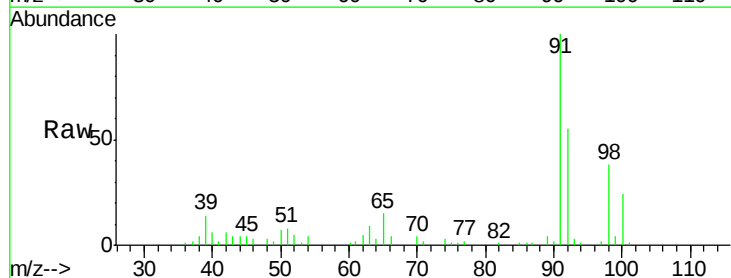
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

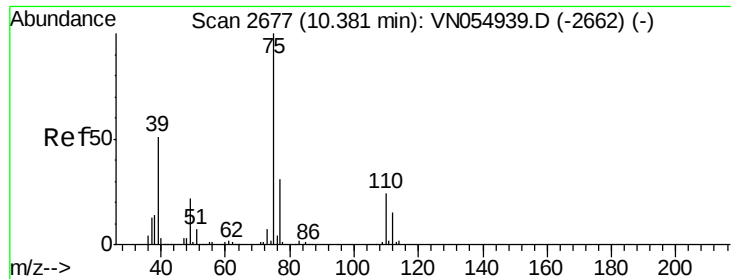
Tgt Ion: 43 Resp: 42355
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.3 42.5



#52
 Toluene
 Concen: 1.950 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 92 Resp: 22389
 Ion Ratio Lower Upper
 92 100
 91 177.1 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 3.544 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

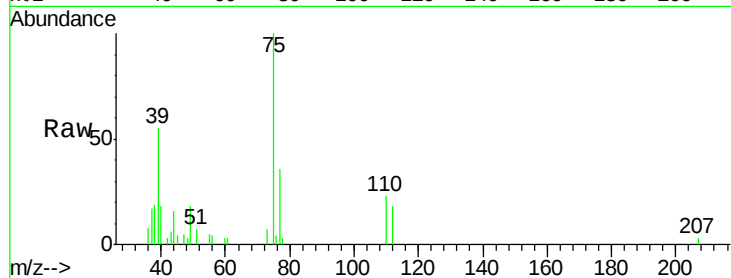
LOQ-WATER-02-QT2-2019

Tgt Ion: 75 Resp: 10569

Ion Ratio Lower Upper

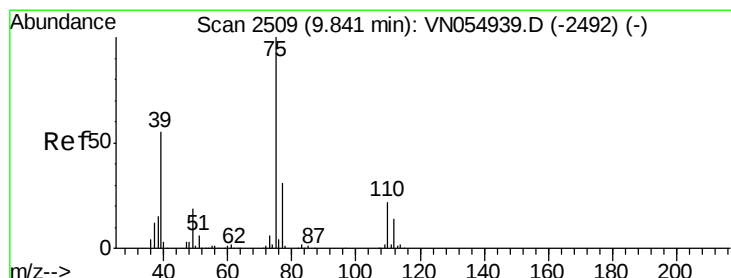
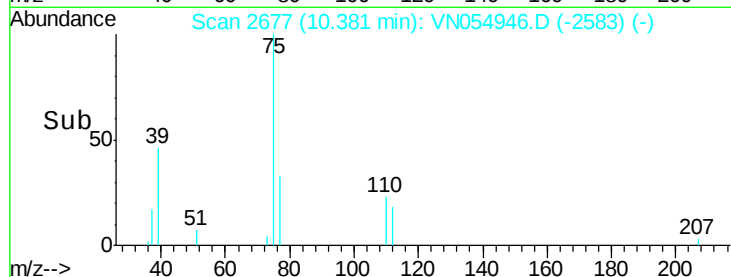
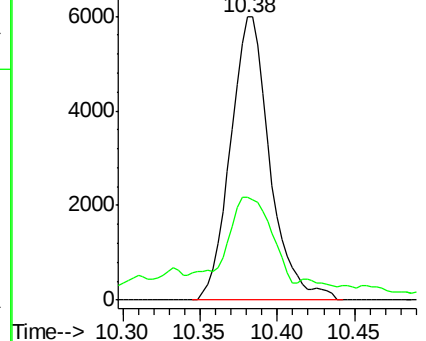
75 100

77 31.0 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 1.731 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

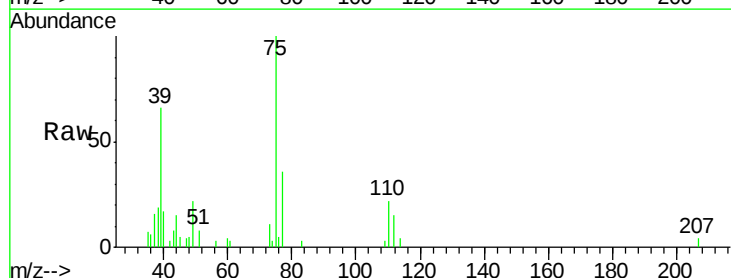
Tgt Ion: 75 Resp: 12594

Ion Ratio Lower Upper

75 100

77 36.1 25.0 37.4

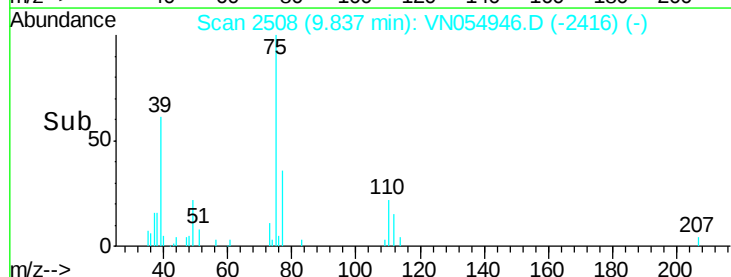
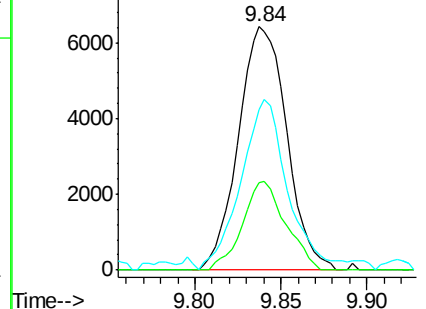
39 63.2 43.9 65.9

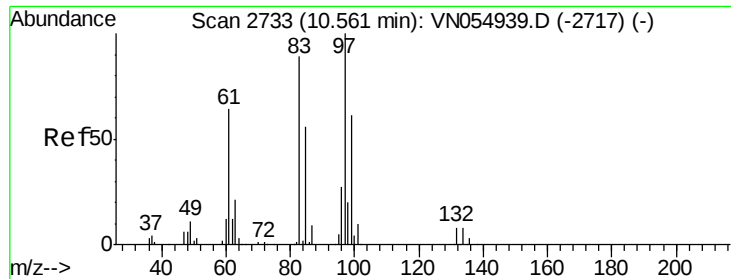


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

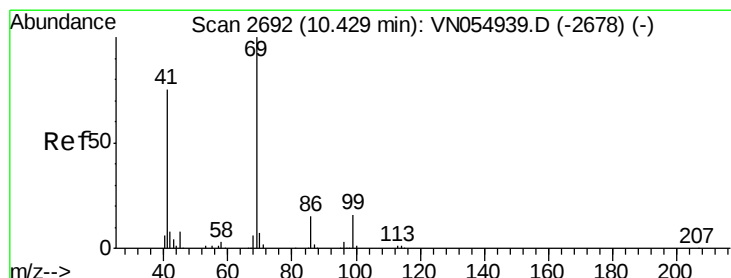
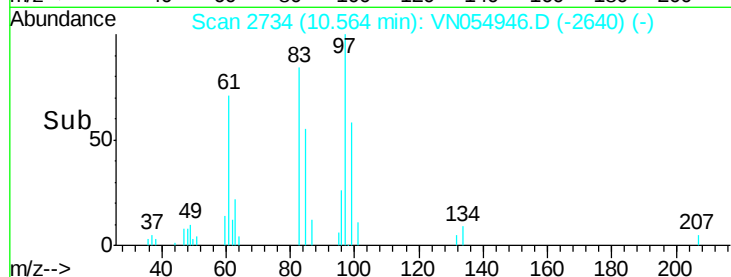
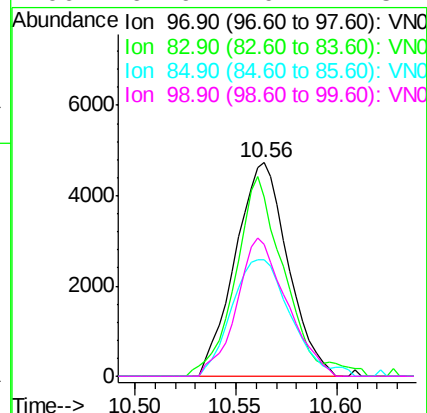
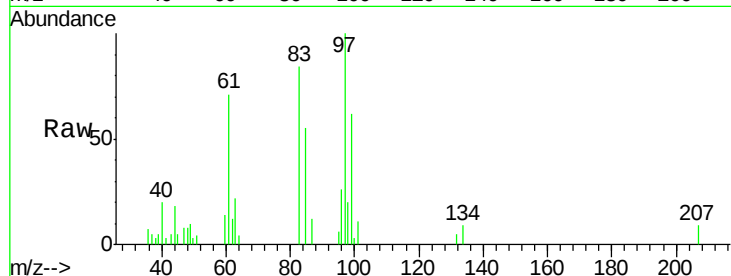




#55
 1,1,2-Trichloroethane
 Concen: 2.072 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

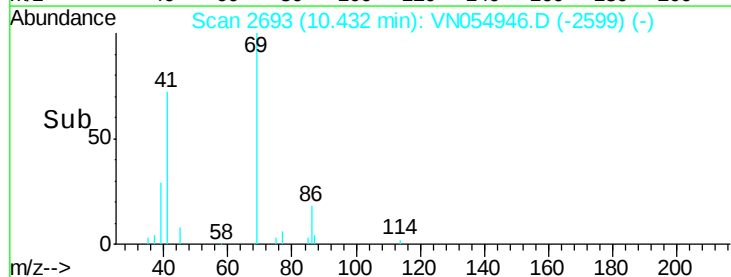
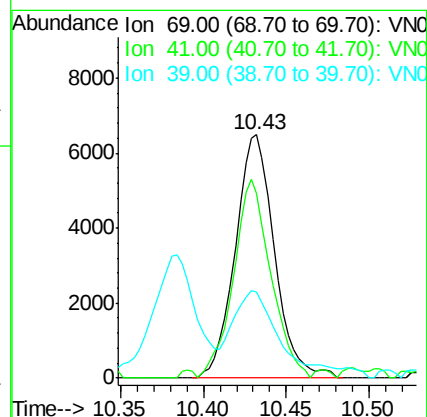
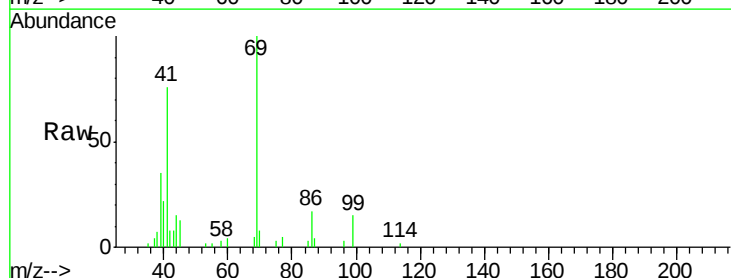
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

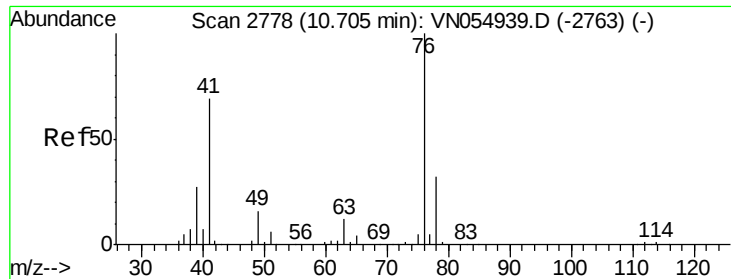
Tgt Ion: 97 Resp: 8625
 Ion Ratio Lower Upper
 97 100
 83 80.9 71.5 107.3
 85 54.6 45.0 67.6
 99 61.9 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 1.964 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 69 Resp: 10689
 Ion Ratio Lower Upper
 69 100
 41 77.6 60.2 90.2
 39 33.6 31.3 46.9

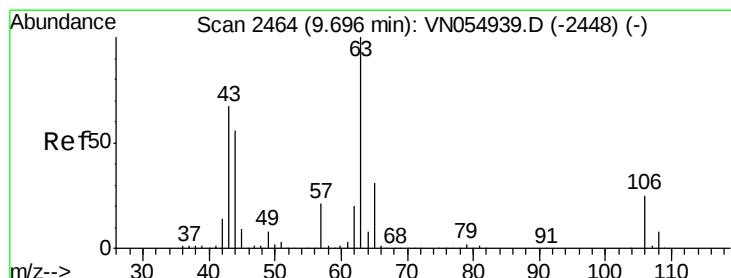
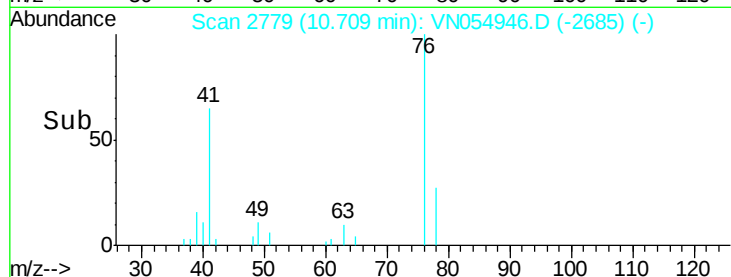
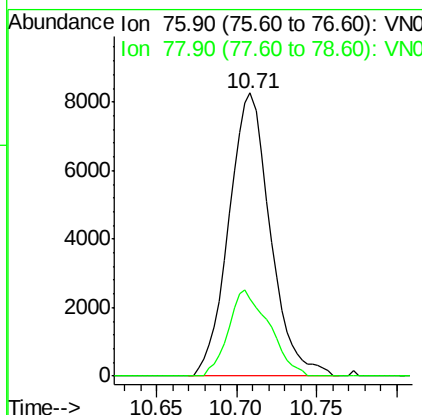
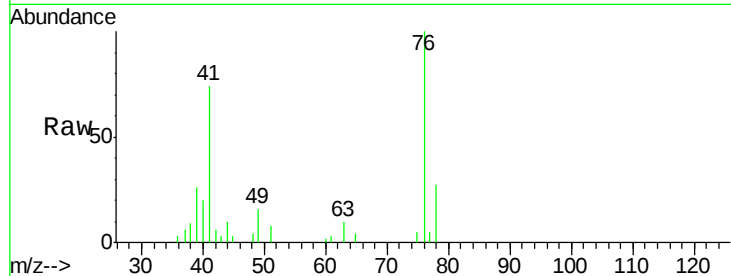




#57
 1,3-Dichloropropane
 Concen: 2.005 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

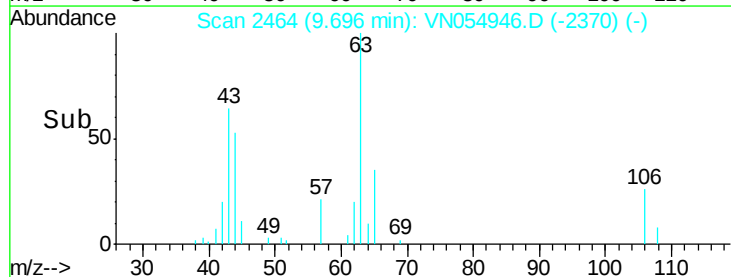
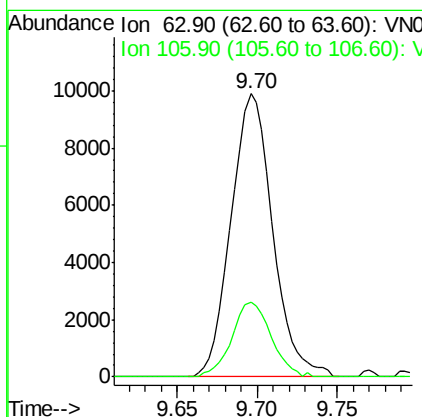
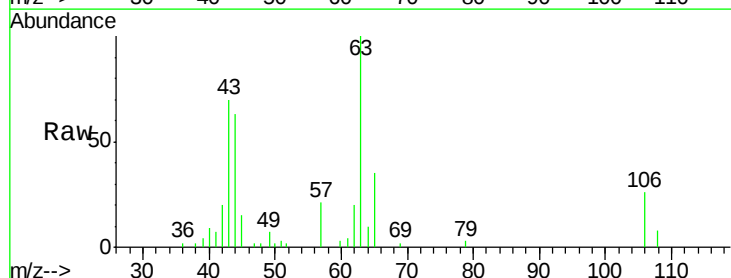
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

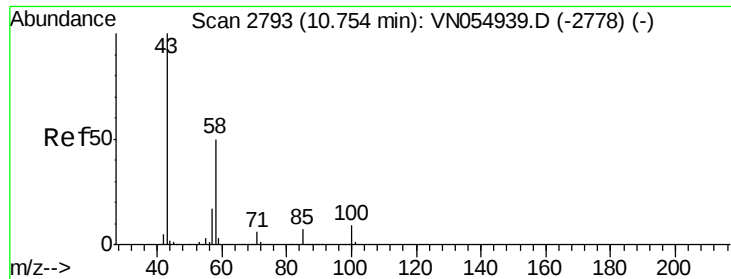
Tgt Ion: 76 Resp: 14574
 Ion Ratio Lower Upper
 76 100
 78 29.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 16.847 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 63 Resp: 17598
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5

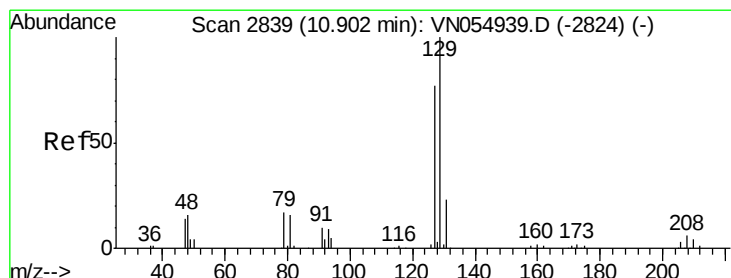
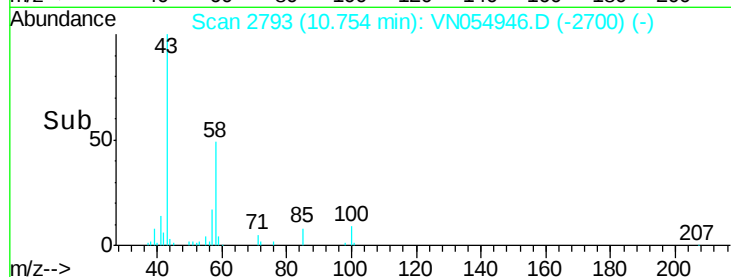
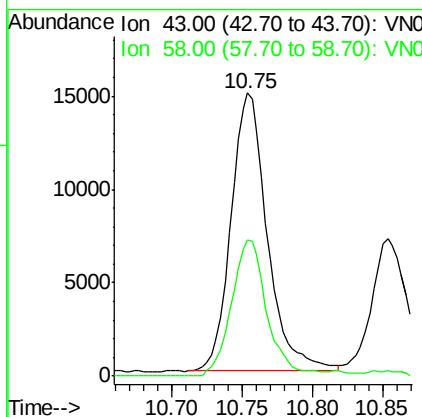
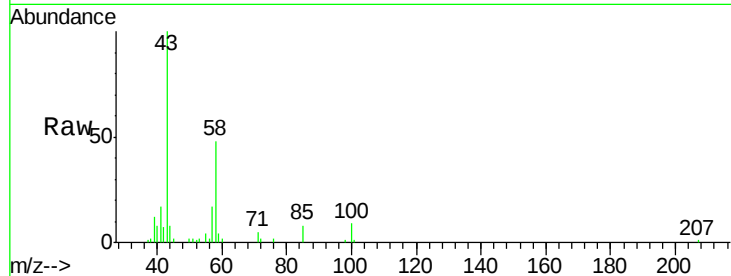




#59
2-Hexanone
Concen: 9.873 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

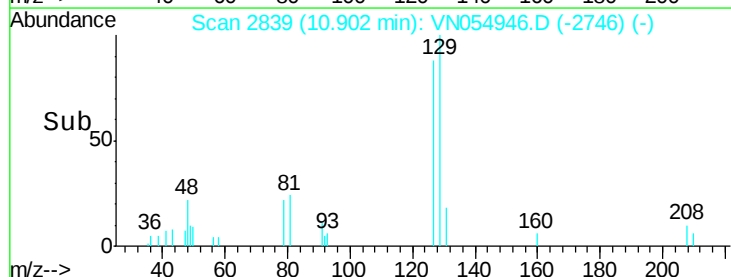
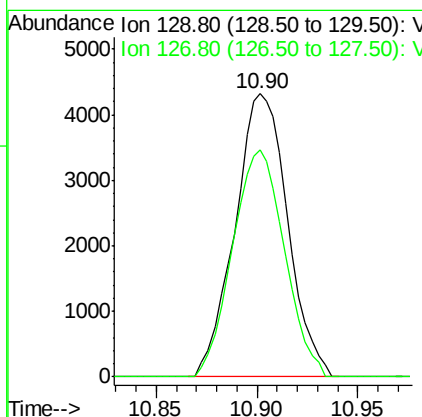
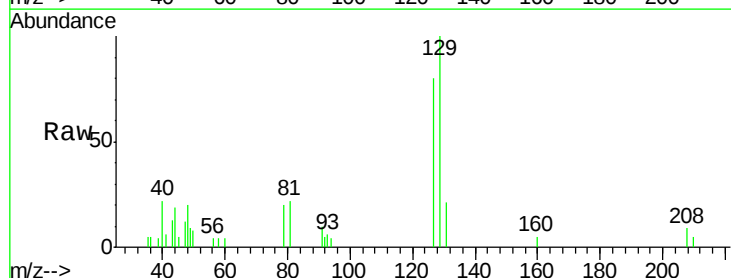
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

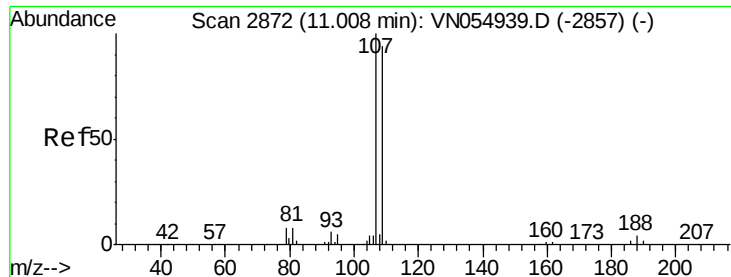
Tgt Ion: 43 Resp: 26935
Ion Ratio Lower Upper
43 100
58 47.6 24.6 73.8



#60
Dibromochloromethane
Concen: 1.807 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 129 Resp: 7880
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.2

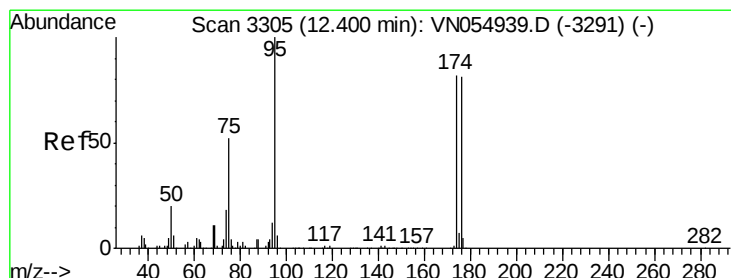
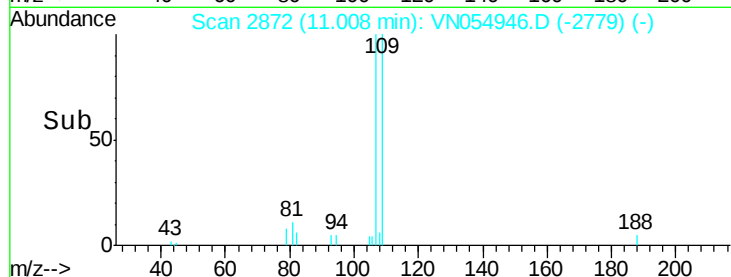
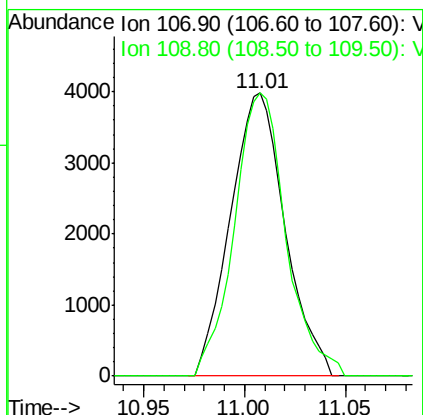
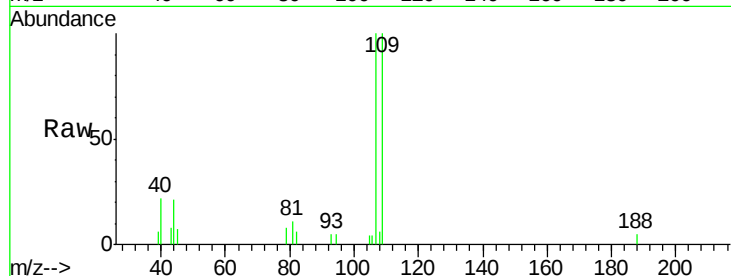




#61
 1,2-Dibromoethane
 Concen: 1.925 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

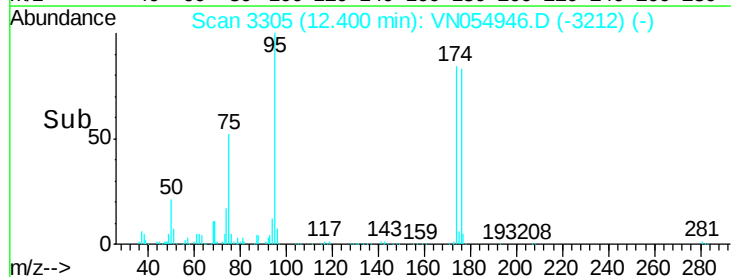
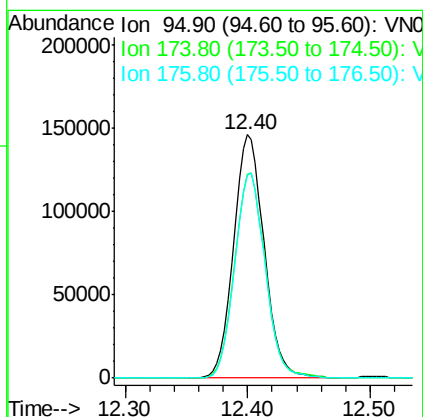
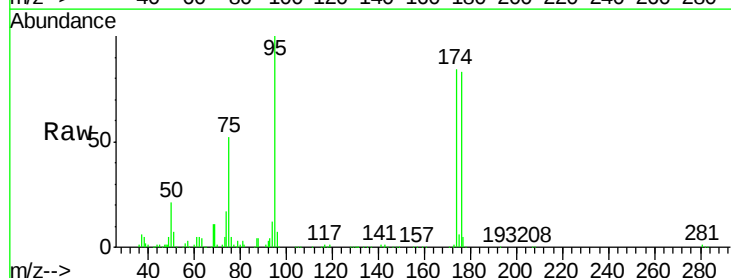
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

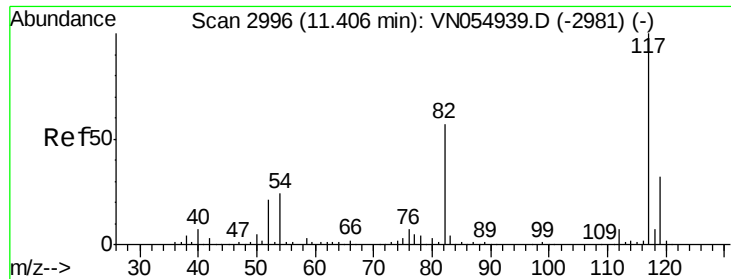
Tgt Ion: 107 Resp: 7536
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.108 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 95 Resp: 254025
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 166.2
 176 83.9 0.0 163.2

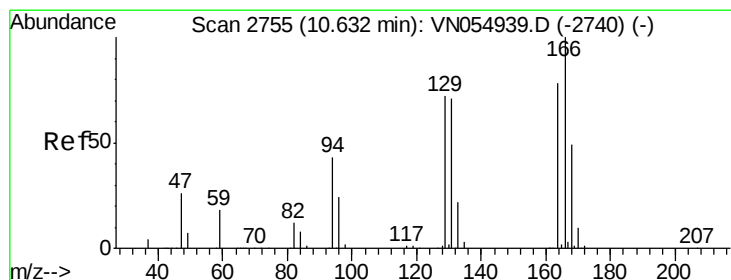
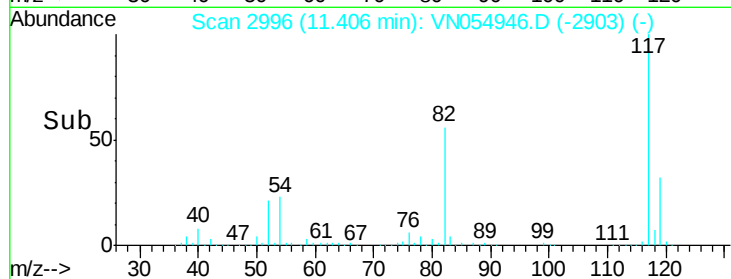
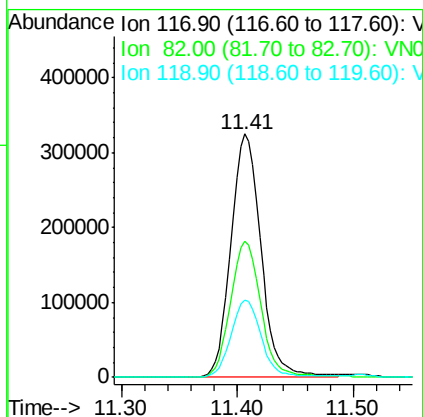
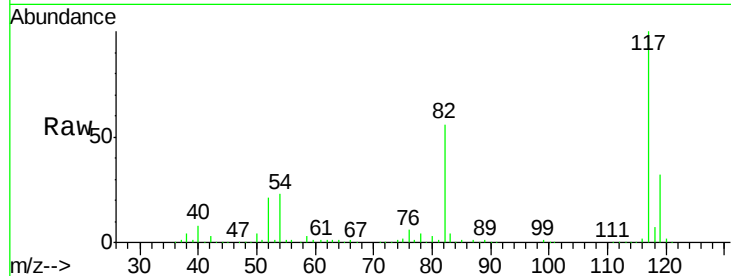




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

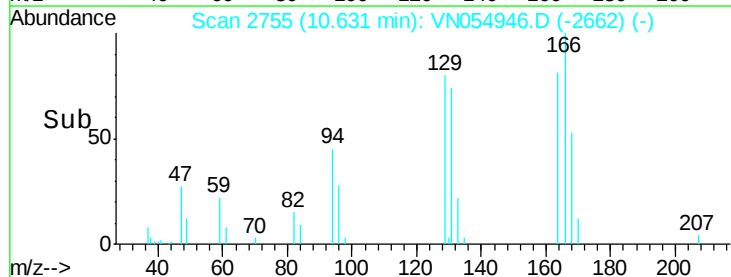
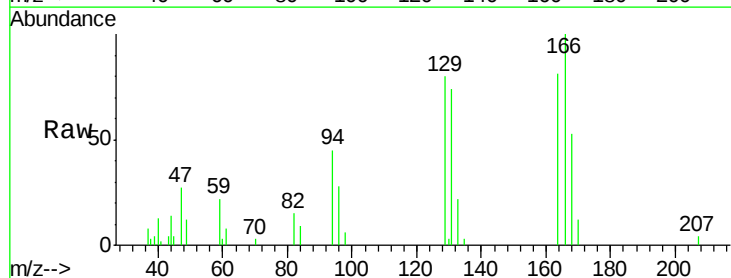
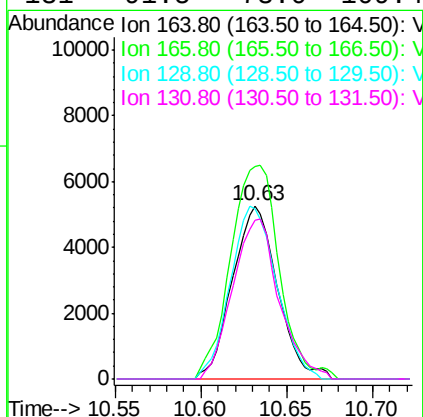
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

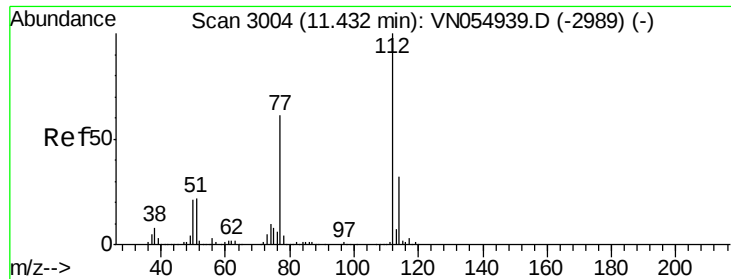
Tgt Ion:117 Resp: 584221
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 2.039 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion:164 Resp: 9608
Ion Ratio Lower Upper
164 100
166 123.0 103.1 154.7
129 98.5 73.9 110.9
131 91.5 73.0 109.4





#65

Chlorobenzene

Concen: 2.051 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

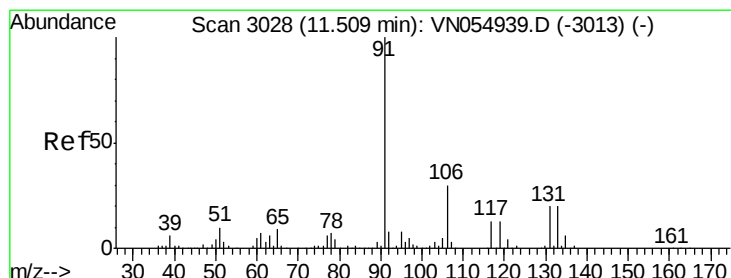
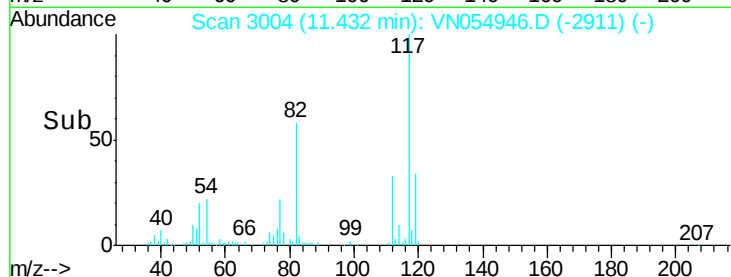
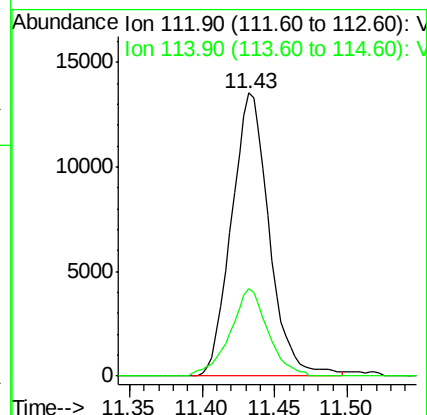
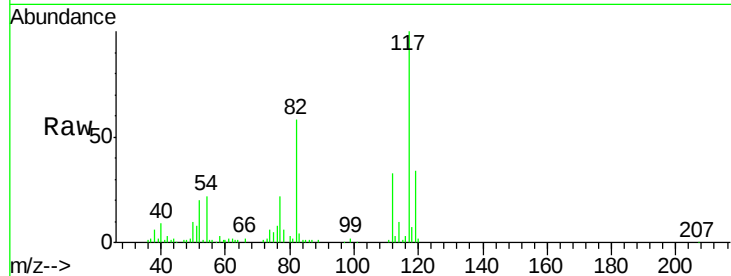
LOQ-WATER-02-QT2-2019

Tgt Ion:112 Resp: 24421

Ion Ratio Lower Upper

112 100

114 30.8 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 1.871 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

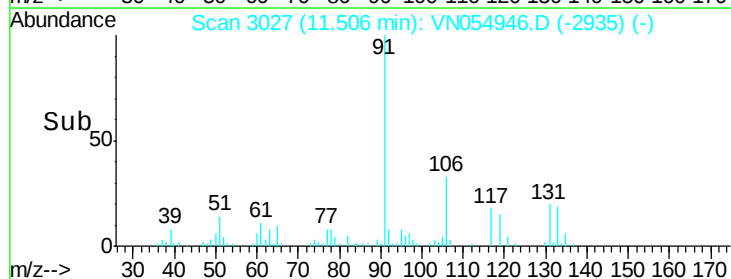
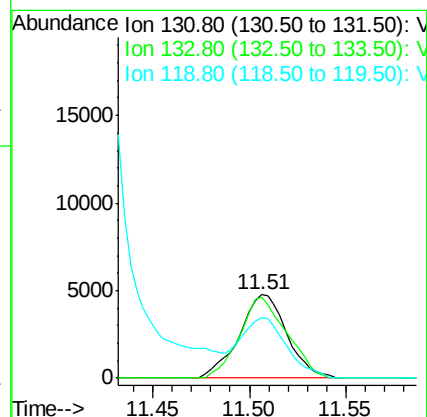
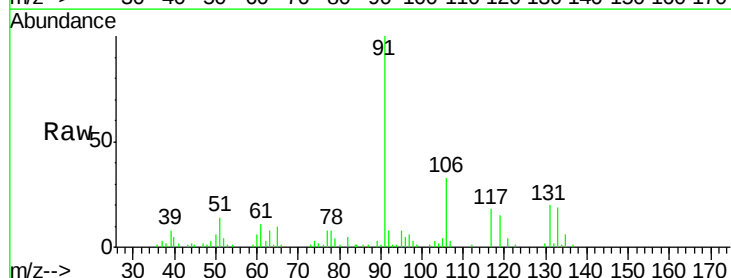
Tgt Ion:131 Resp: 8156

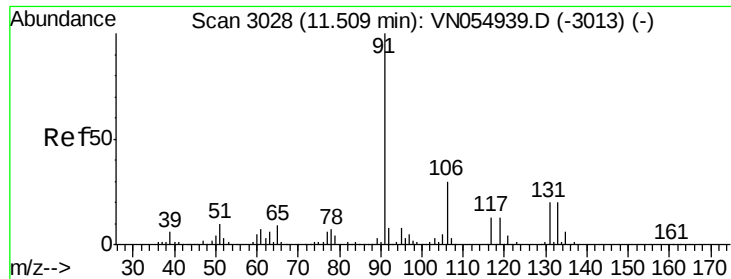
Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.4

119 71.6 33.1 99.2

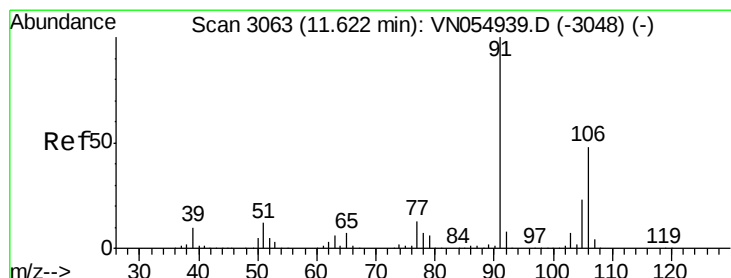
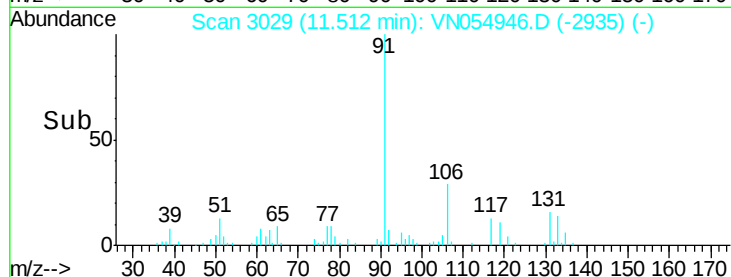
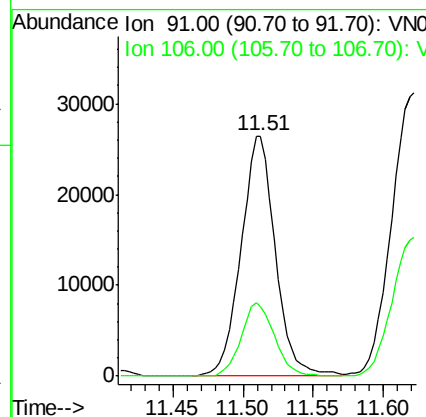
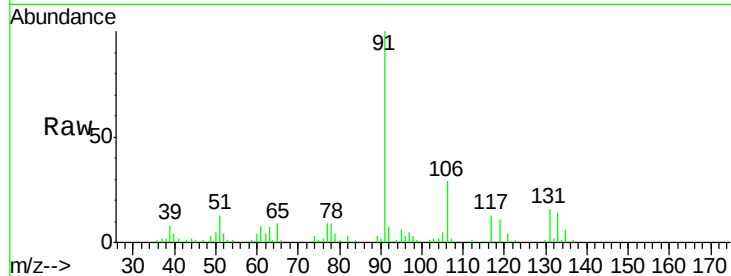




#67
Ethyl Benzene
Concen: 2.104 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

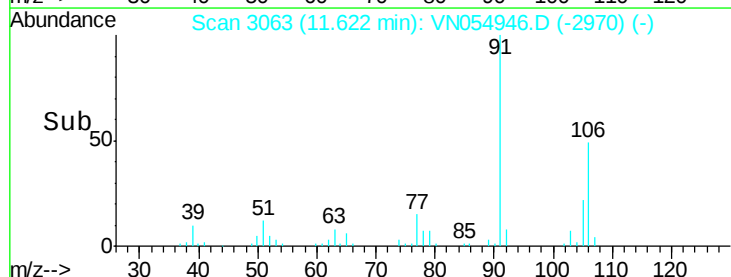
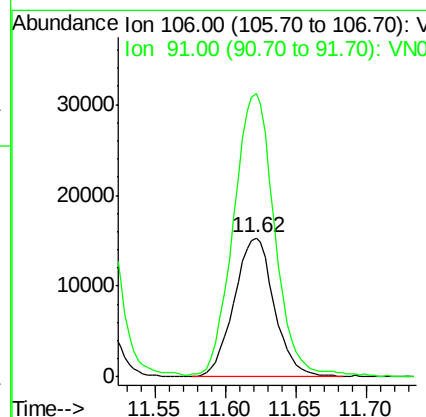
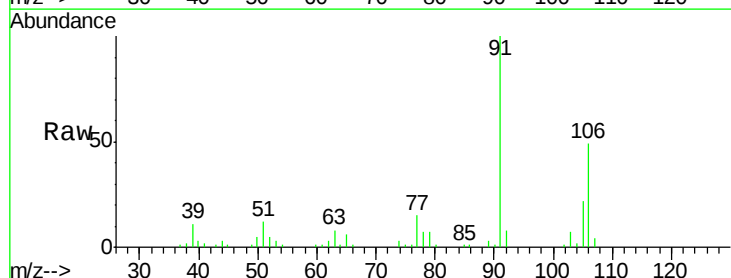
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

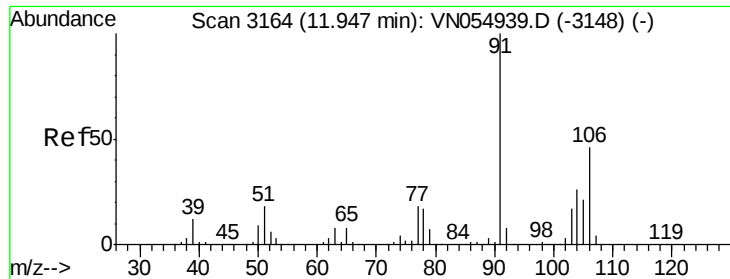
Tgt Ion: 91 Resp: 45174
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1



#68
m/p-Xylenes
Concen: 3.886 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 106 Resp: 30501
Ion Ratio Lower Upper
106 100
91 210.3 167.4 251.2

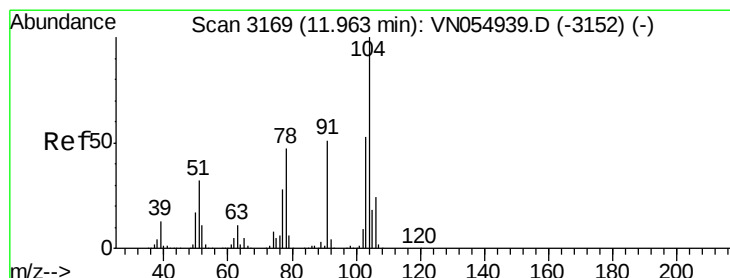
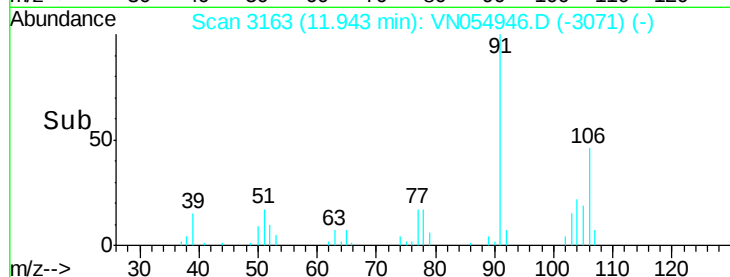
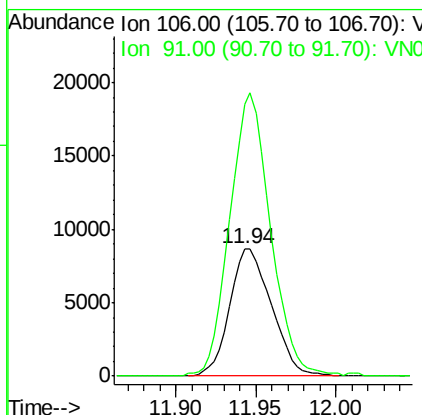
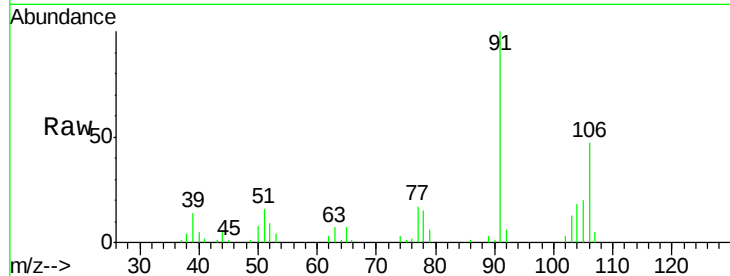




#69
o-Xylene
Concen: 2.018 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

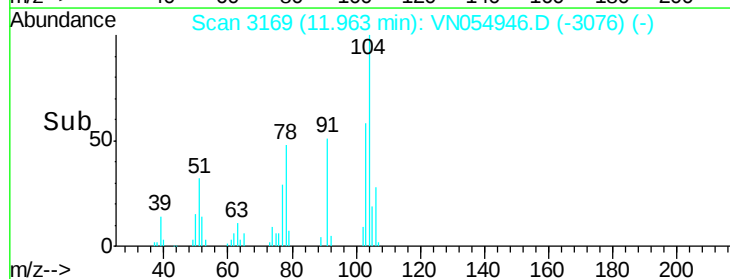
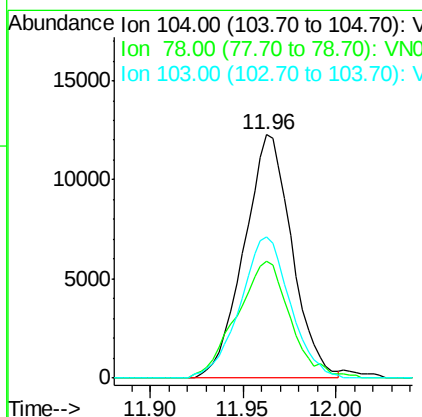
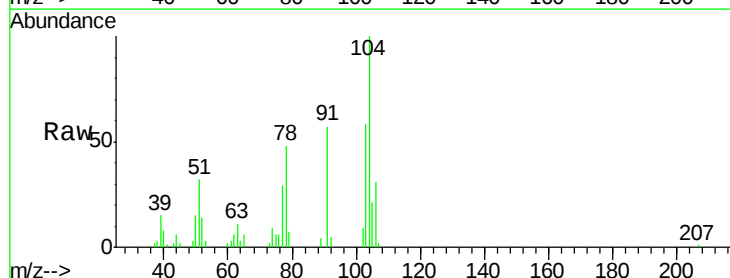
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

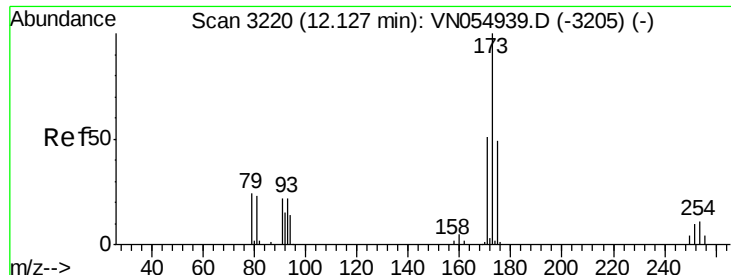
Tgt Ion:106 Resp: 15449
Ion Ratio Lower Upper
106 100
91 216.3 109.9 329.7



#70
Styrene
Concen: 1.792 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion:104 Resp: 22000
Ion Ratio Lower Upper
104 100
78 53.6 41.1 61.7
103 60.8 45.0 67.4





#71

Bromoform

Concen: 1.526 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

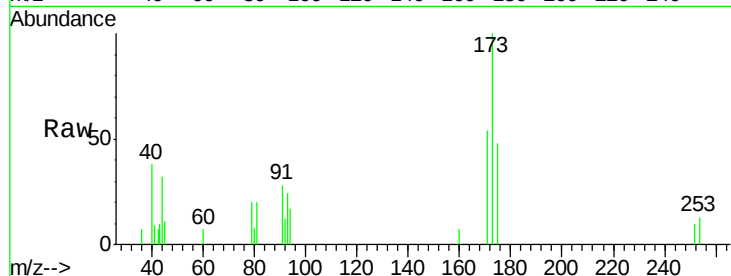
Tgt Ion:173 Resp: 3999

Ion Ratio Lower Upper

173 100

175 56.9 24.1 72.4

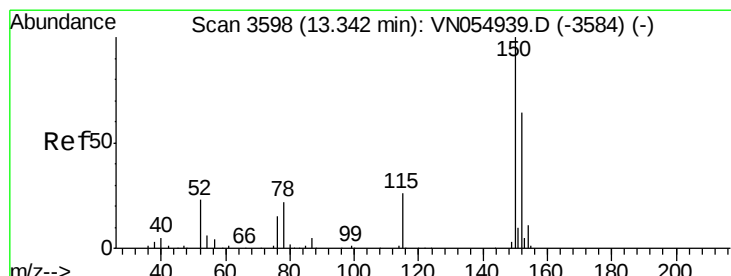
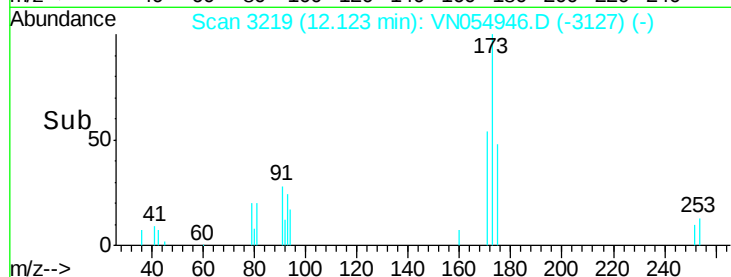
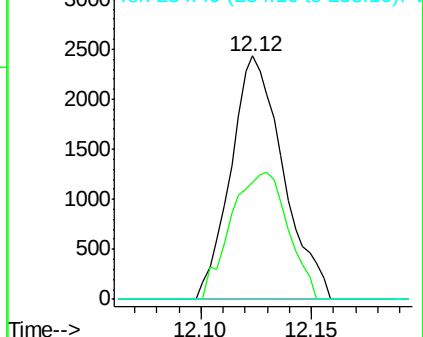
254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

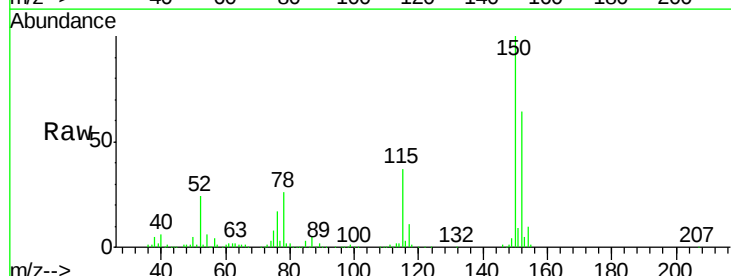
Tgt Ion:152 Resp: 207347

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.8

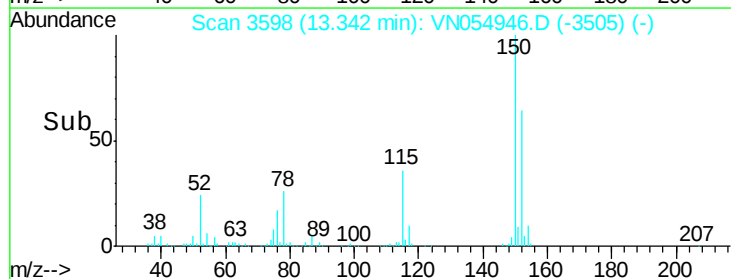
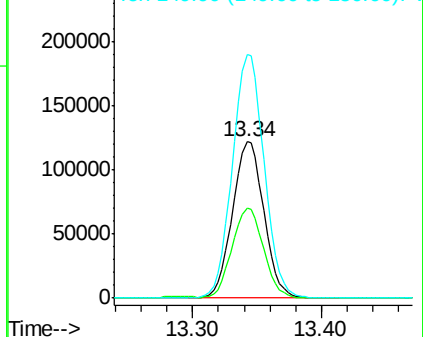
150 157.2 0.0 345.4

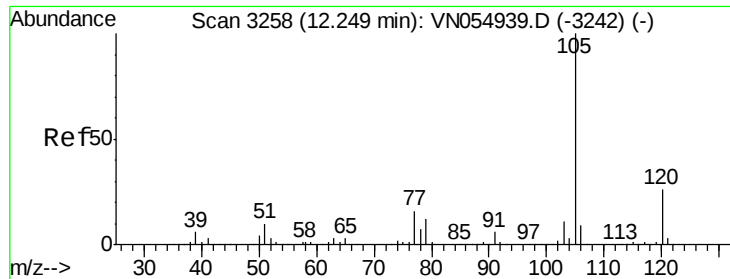


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.341 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

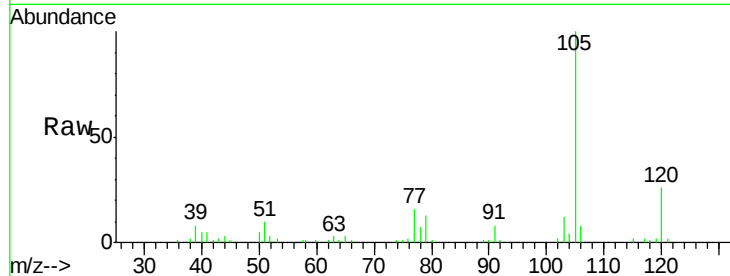
LOQ-WATER-02-QT2-2019

Tgt Ion: 105 Resp: 41004

Ion Ratio Lower Upper

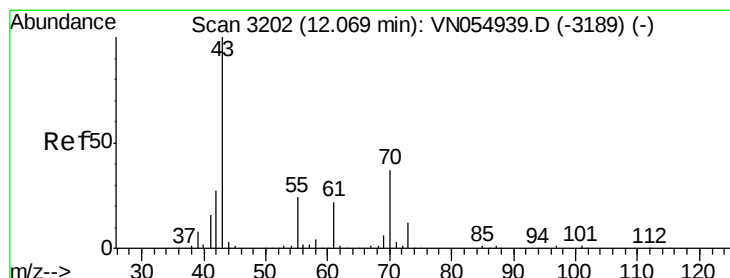
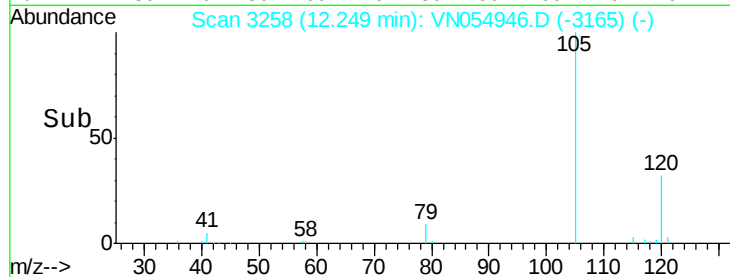
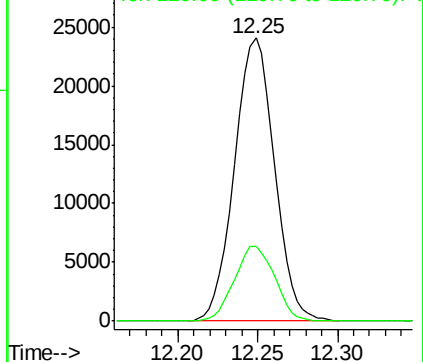
105 100

120 26.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.212 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion: 43 Resp: 10770

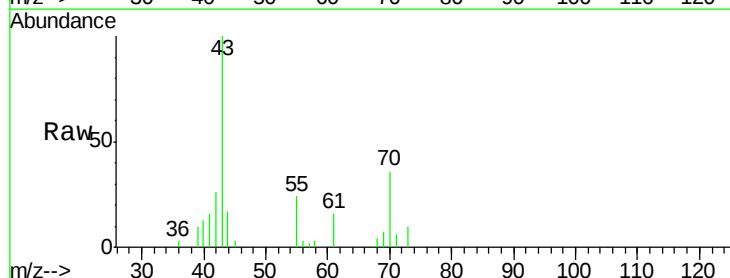
Ion Ratio Lower Upper

43 100

70 35.9 29.3 43.9

55 23.7 19.2 28.8

61 18.0 17.4 26.2

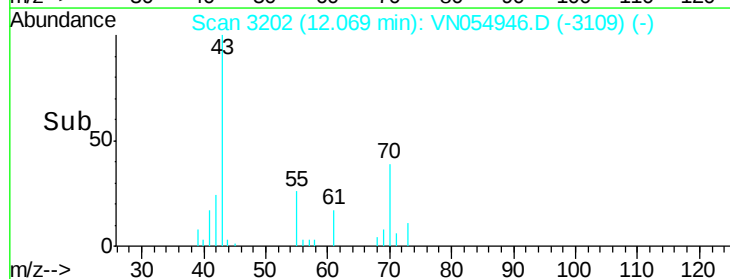
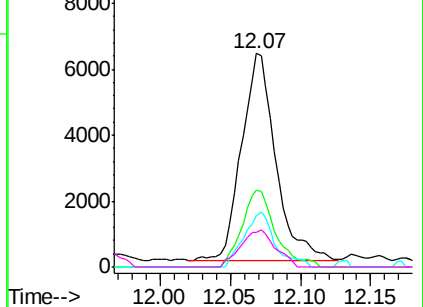


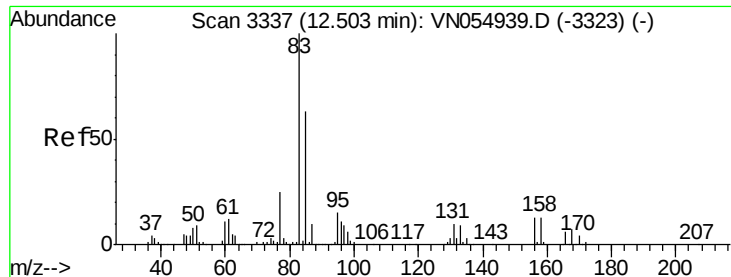
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.342 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

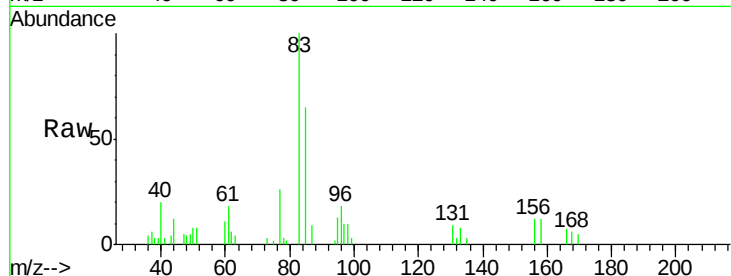
Tgt Ion: 83 Resp: 11182

Ion Ratio Lower Upper

83 100

131 8.0 5.0 15.0

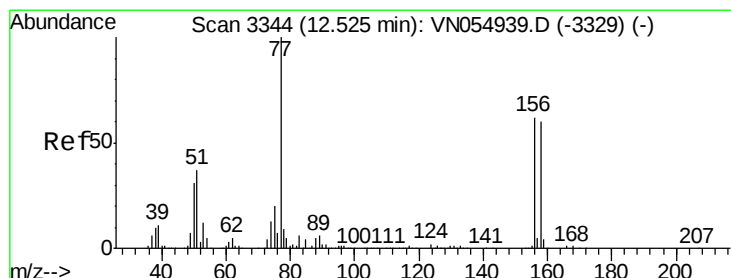
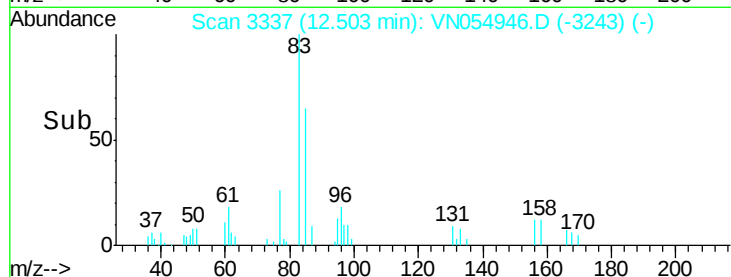
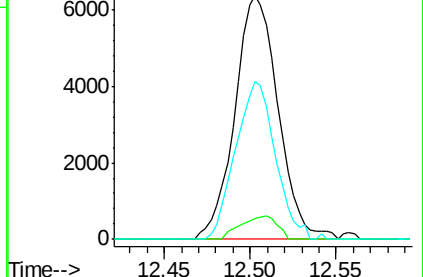
85 59.3 31.4 94.0



Abundance Ion 82.90 (82.60 to 83.60): VN054939.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054939.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054939.D (-3323) (-)



#77

Bromobenzene

Concen: 2.380 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

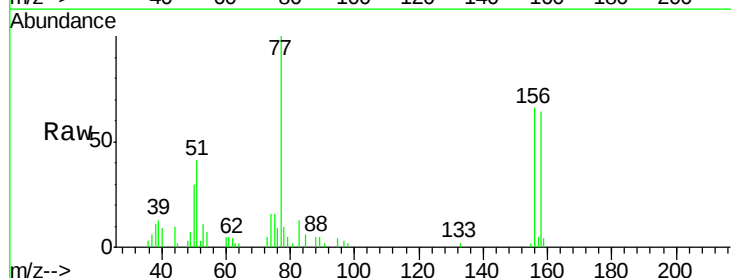
Tgt Ion: 156 Resp: 10095

Ion Ratio Lower Upper

156 100

77 185.9 93.1 279.3

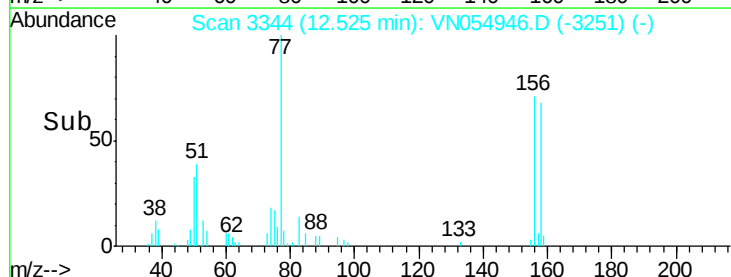
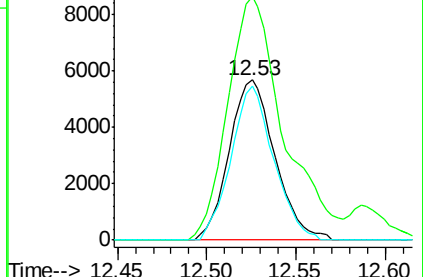
158 89.9 48.4 145.3

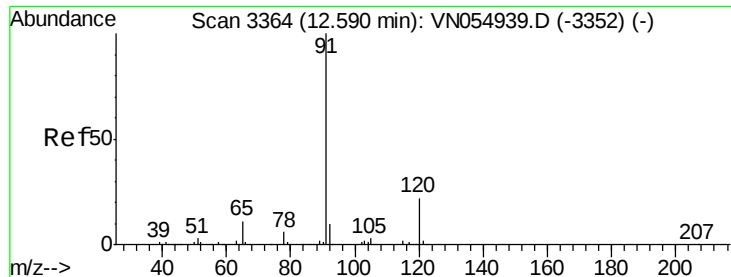


Abundance Ion 155.80 (155.50 to 156.50): VN054939.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN054939.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN054939.D (-3329) (-)





#78

n-propylbenzene

Concen: 2.320 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

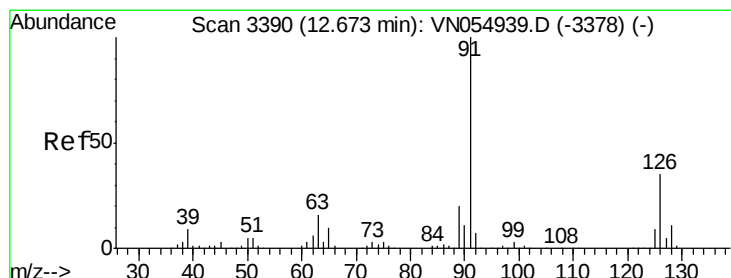
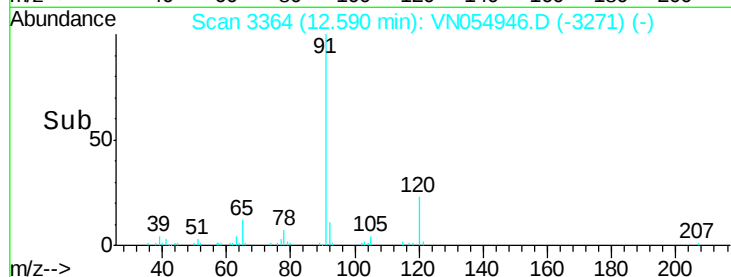
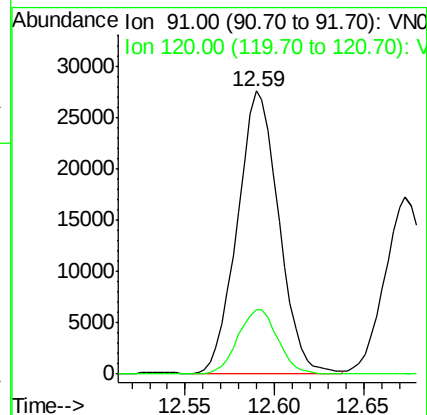
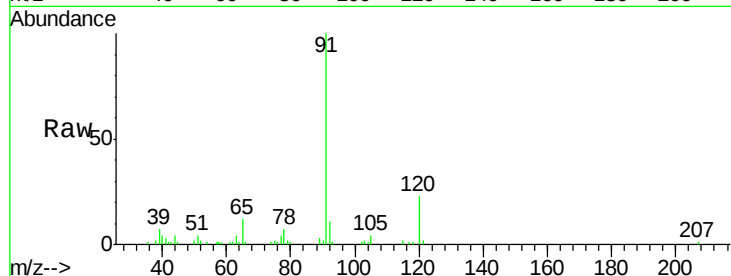
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Tgt Ion: 91 Resp: 44779

Ion Ratio Lower Upper

91 100

120 21.9 11.2 33.6



#79

2-Chlorotoluene

Concen: 2.423 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054946.D

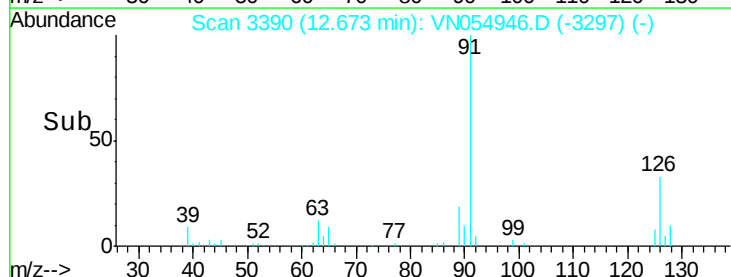
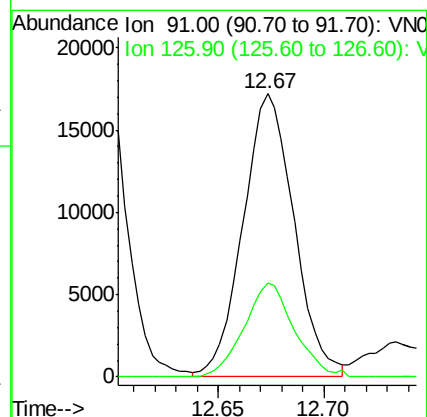
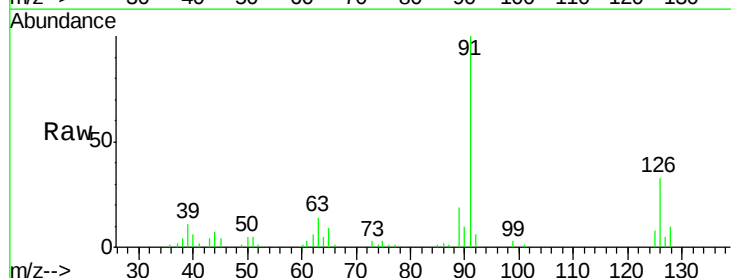
Acq: 4 Apr 2019 14:40

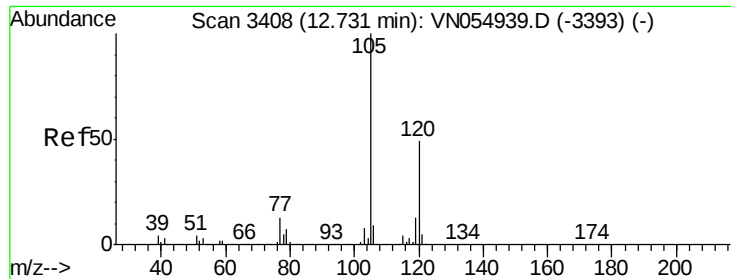
Tgt Ion: 91 Resp: 28978

Ion Ratio Lower Upper

91 100

126 32.5 17.4 52.2

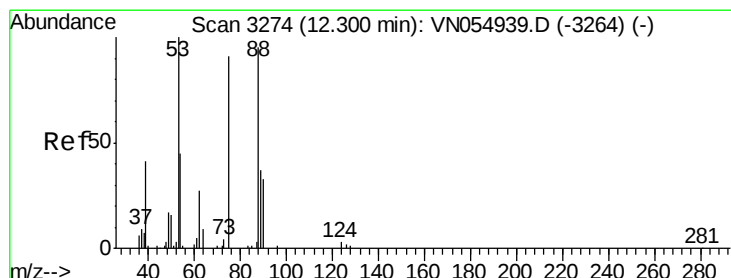
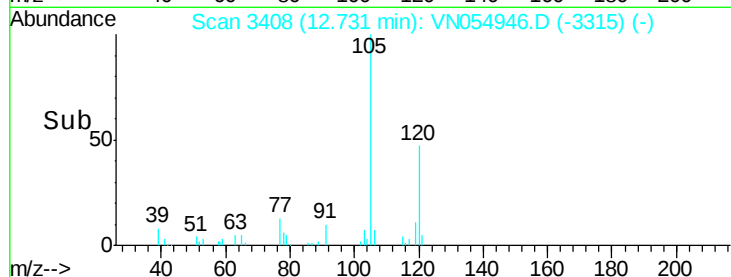
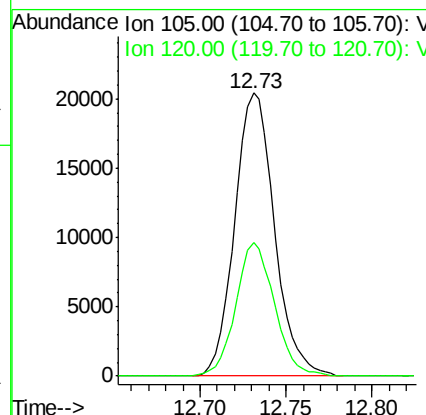
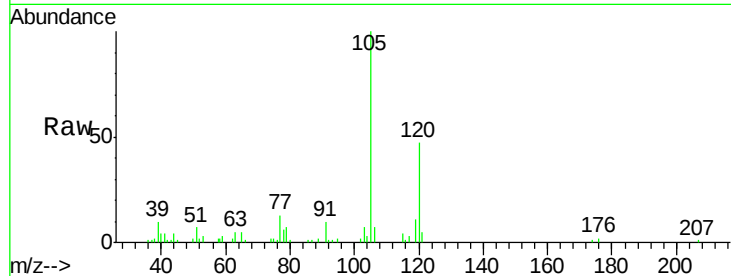




#80
 1,3,5-Trimethylbenzene
 Concen: 2.288 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

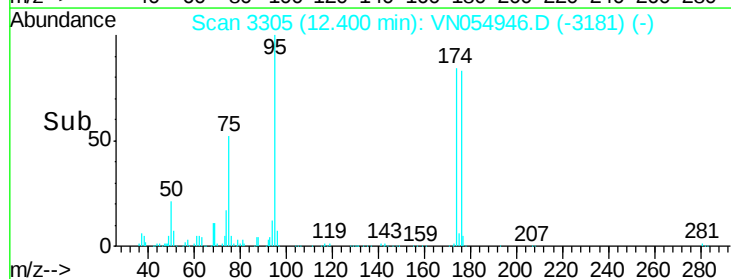
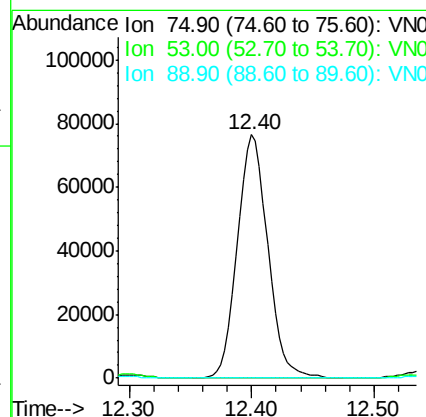
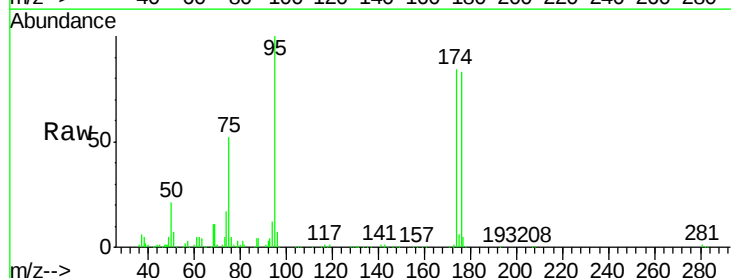
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

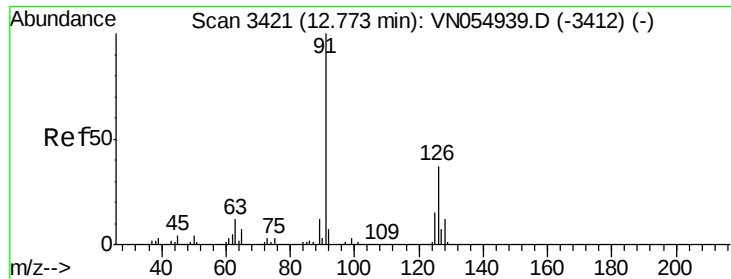
Tgt Ion: 105 Resp: 32916
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.252 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 75 Resp: 133077
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.8 139.2#
 89 0.0 36.7 55.1#

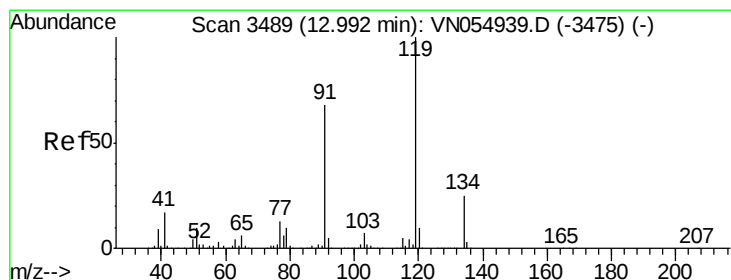
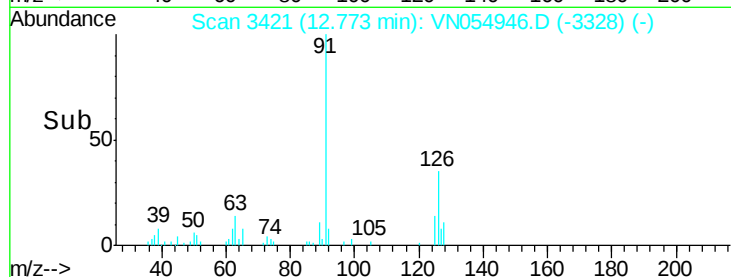
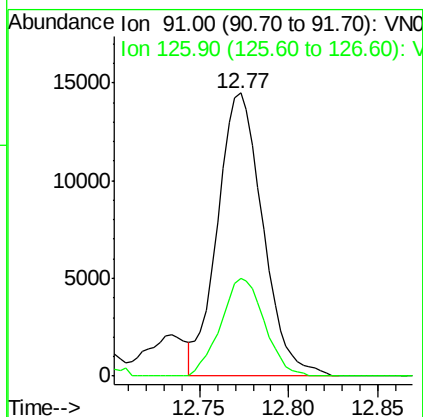
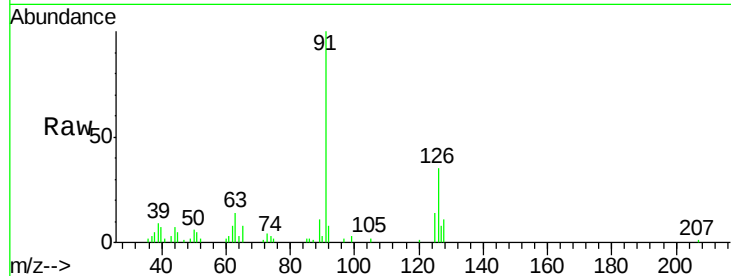




#82
4-Chlorotoluene
Concen: 2.253 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

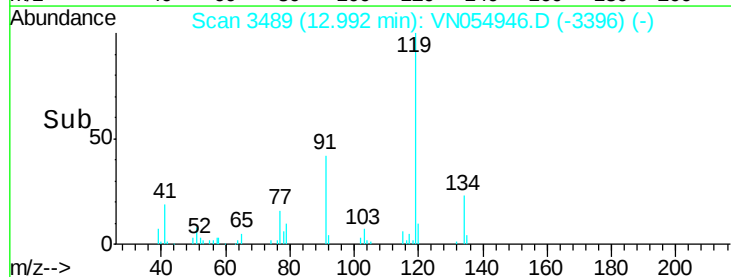
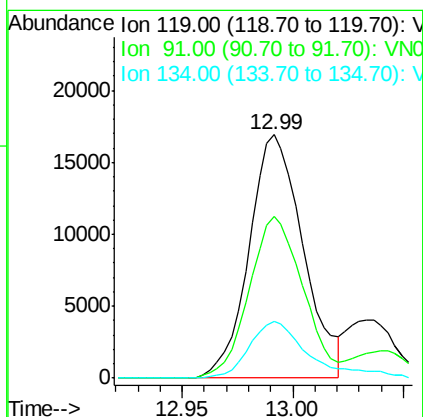
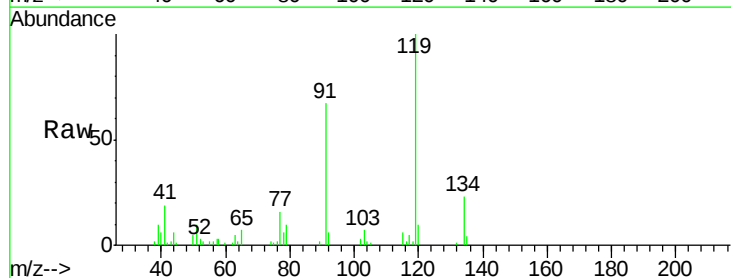
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

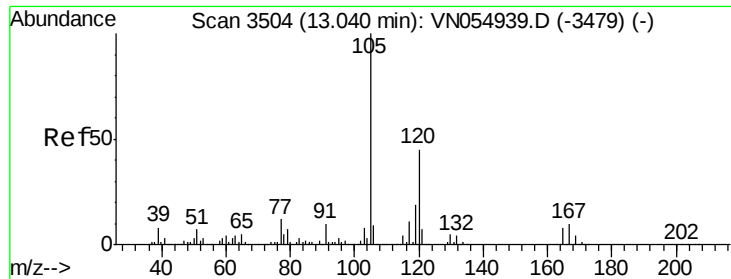
Tgt Ion: 91 Resp: 25484
Ion Ratio Lower Upper
91 100
126 33.4 16.9 50.7



#83
tert-Butylbenzene
Concen: 2.349 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 119 Resp: 28742
Ion Ratio Lower Upper
119 100
91 66.0 33.5 100.5
134 25.7 12.4 37.0

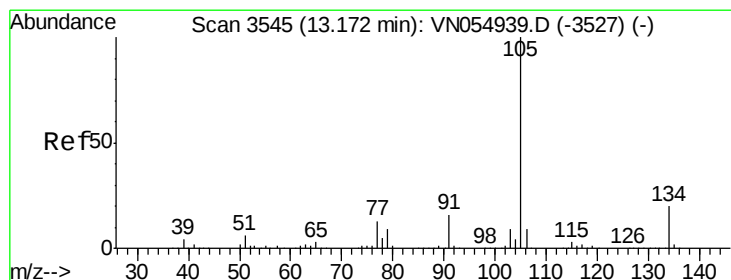
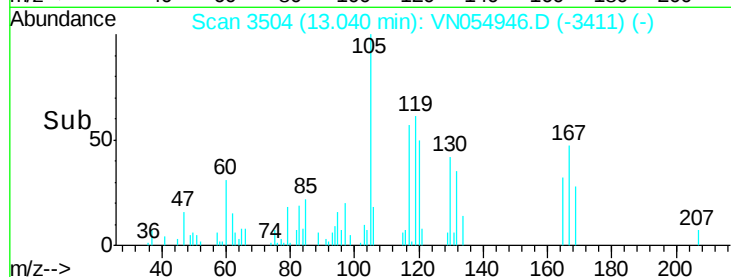
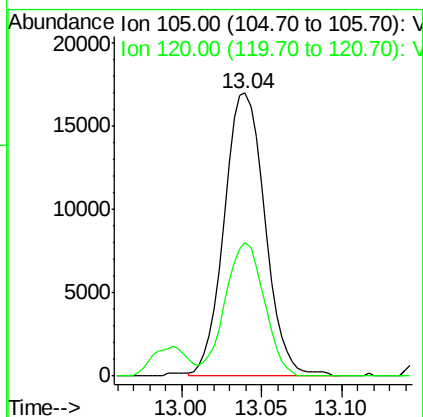
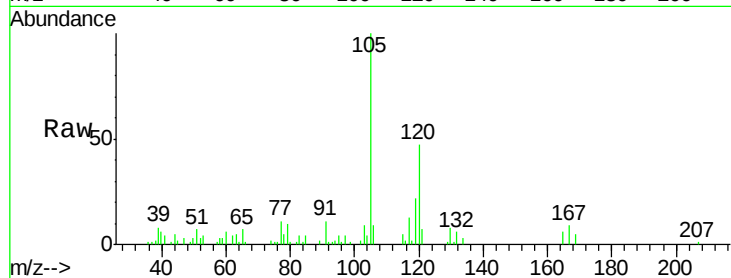




#84
 1,2,4-Trimethylbenzene
 Concen: 2.122 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

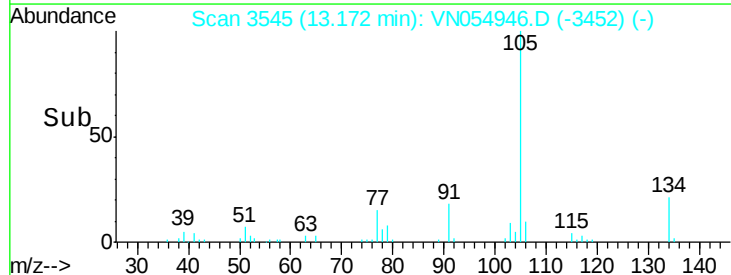
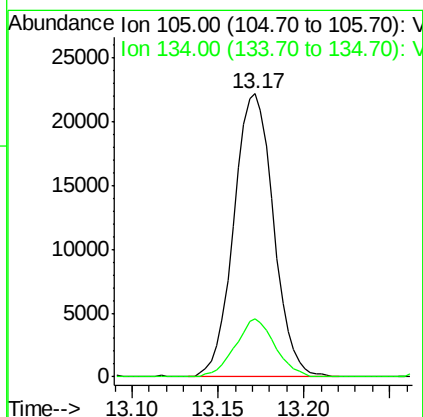
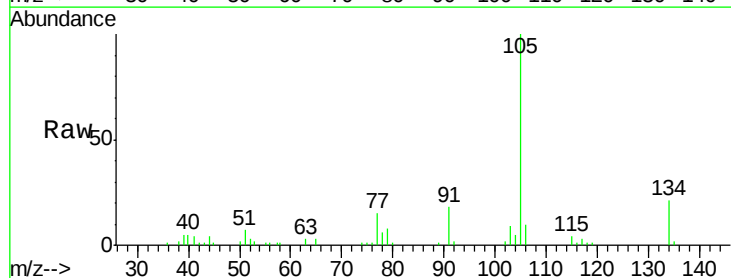
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

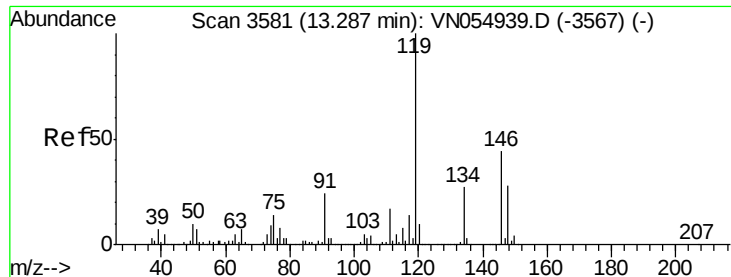
Tgt Ion:105 Resp: 29538
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 2.257 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion:105 Resp: 35719
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.8 29.5

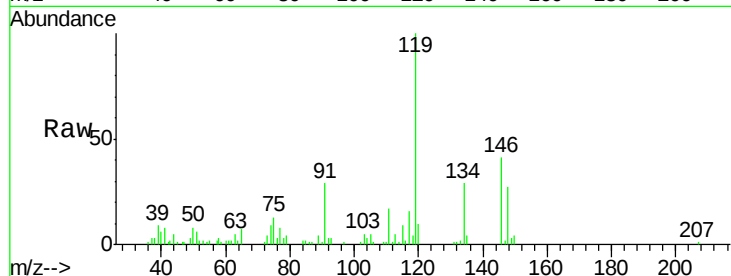




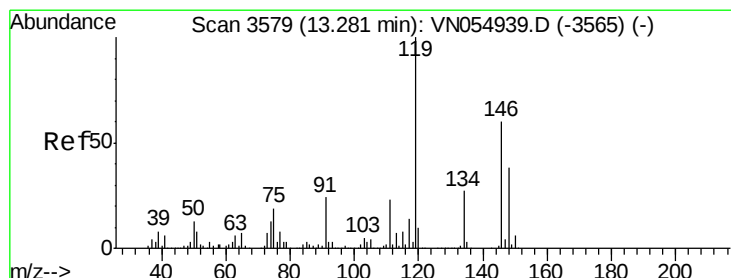
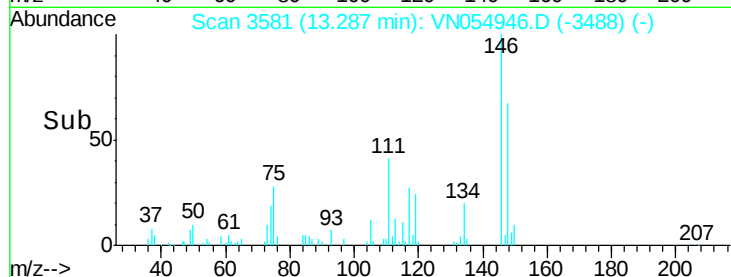
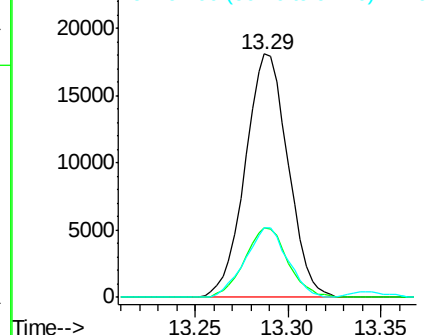
#86
p-Isopropyltoluene
Concen: 2.126 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tgt Ion:119 Resp: 28987
Ion Ratio Lower Upper
119 100
134 28.6 13.5 40.5
91 28.4 11.9 35.7

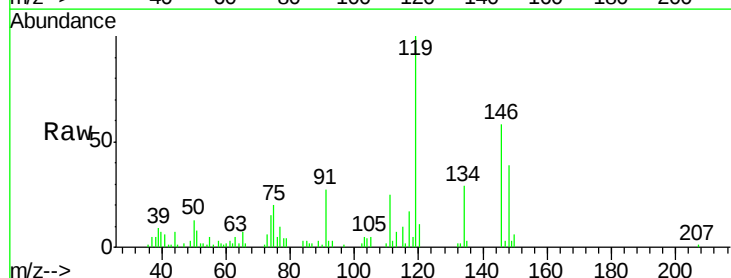


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

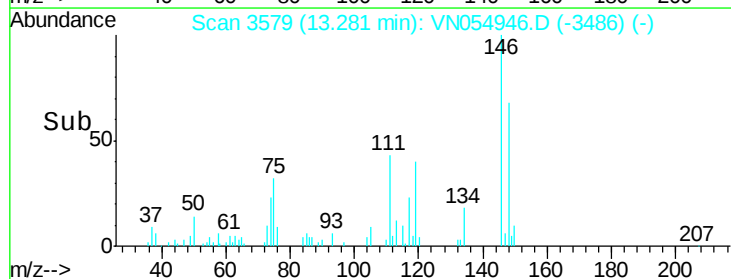
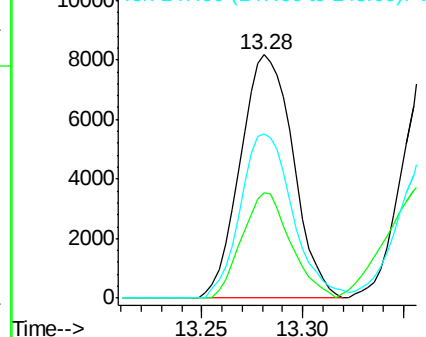


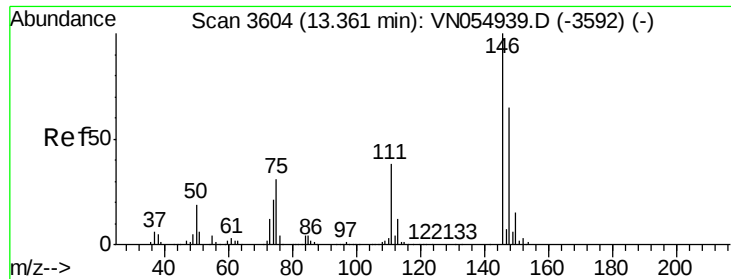
#87
1,3-Dichlorobenzene
Concen: 2.126 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion:146 Resp: 15000
Ion Ratio Lower Upper
146 100
111 39.8 19.6 58.7
148 66.7 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

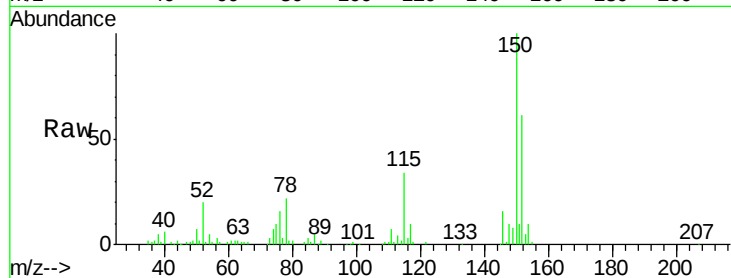




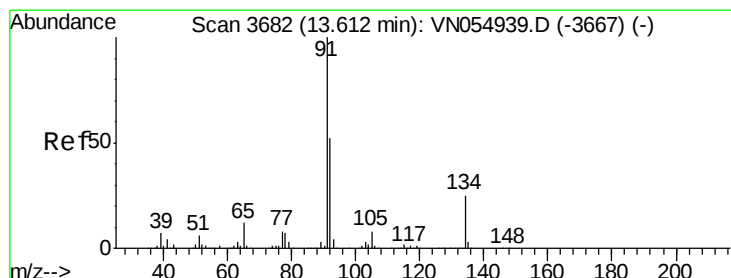
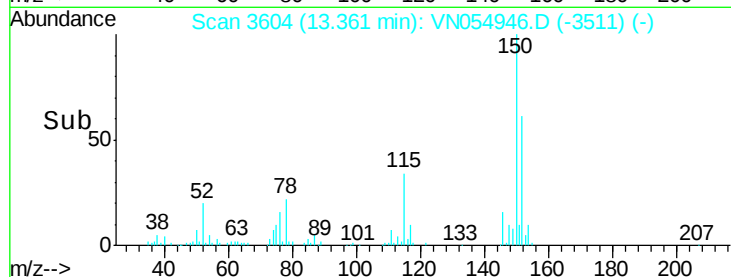
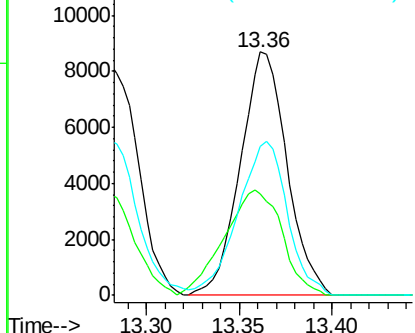
#88
 1,4-Dichlorobenzene
 Concen: 2.271 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tgt Ion: 146 Resp: 15253
 Ion Ratio Lower Upper
 146 100
 111 53.5 19.2 57.6
 148 66.9 31.9 95.7

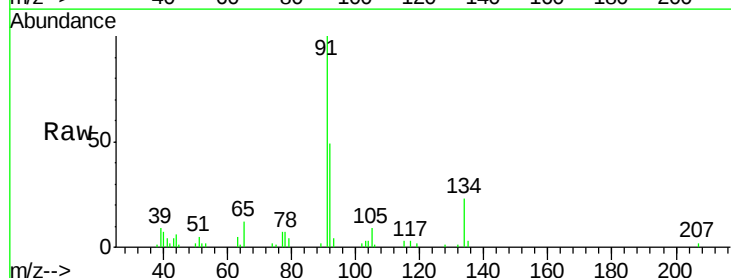


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

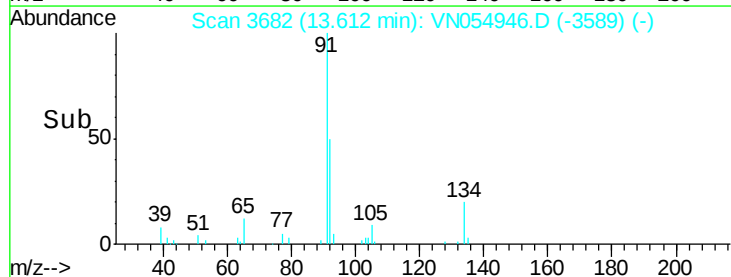
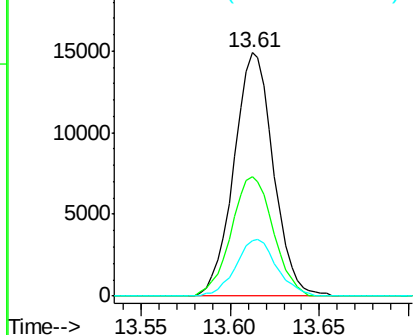


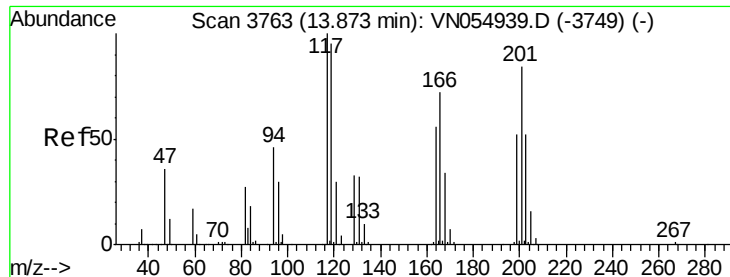
#89
 n-Butylbenzene
 Concen: 2.112 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 91 Resp: 23023
 Ion Ratio Lower Upper
 91 100
 92 52.3 26.1 78.2
 134 24.1 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.886 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

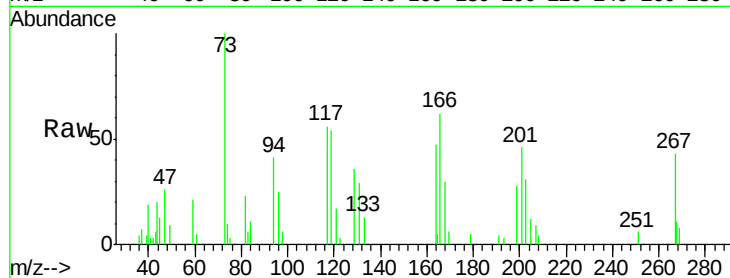
LOQ-WATER-02-QT2-2019

Tgt Ion:117 Resp: 4321

Ion Ratio Lower Upper

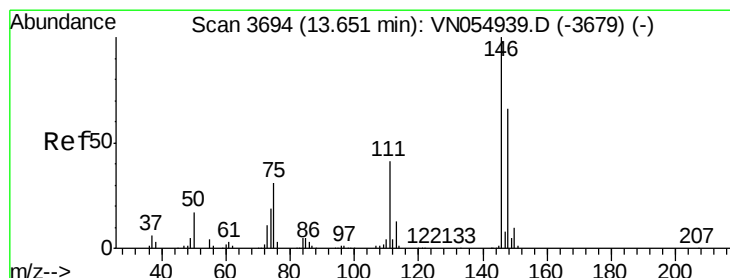
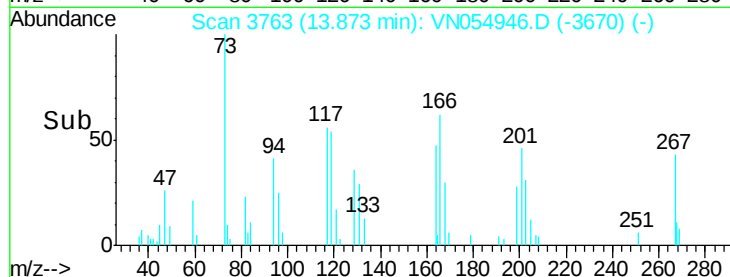
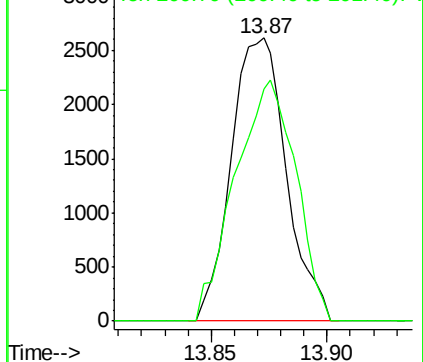
117 100

201 93.8 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.077 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

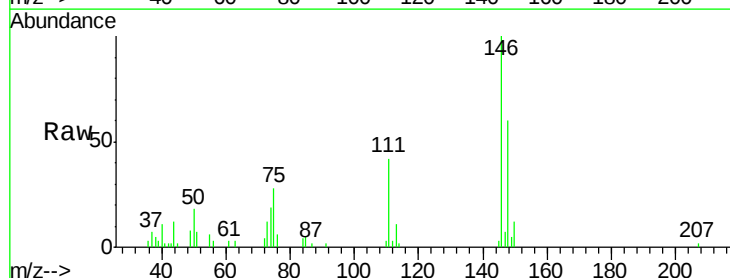
Tgt Ion:146 Resp: 14392

Ion Ratio Lower Upper

146 100

111 42.6 20.2 60.5

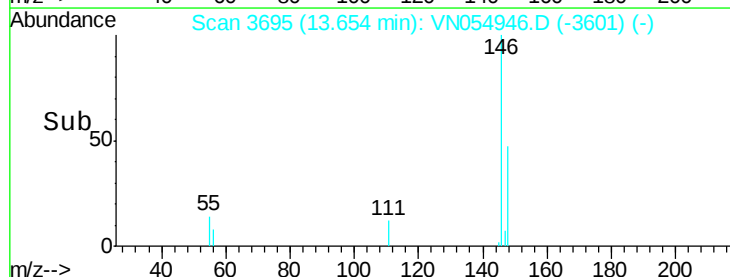
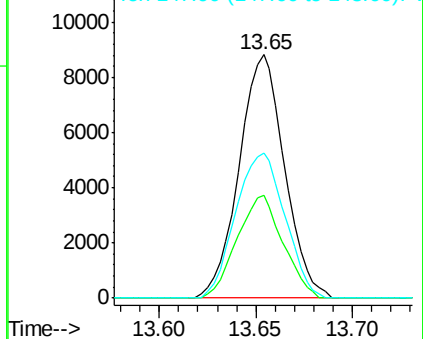
148 64.6 32.1 96.5

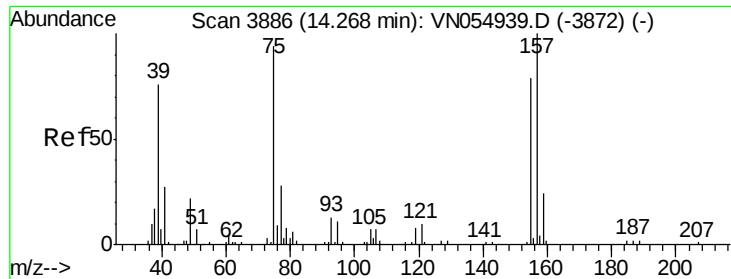


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.403 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

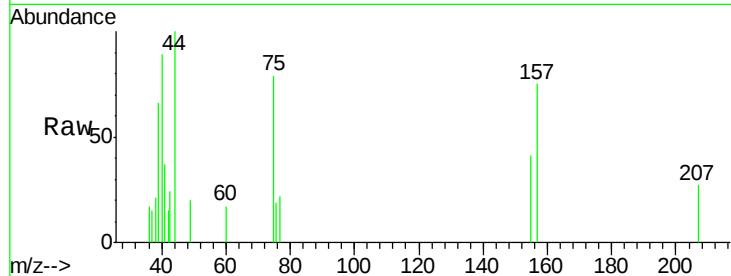
Tgt Ion: 75 Resp: 1441

Ion Ratio Lower Upper

75 100

155 55.4 41.5 124.6

157 83.1 54.4 163.2

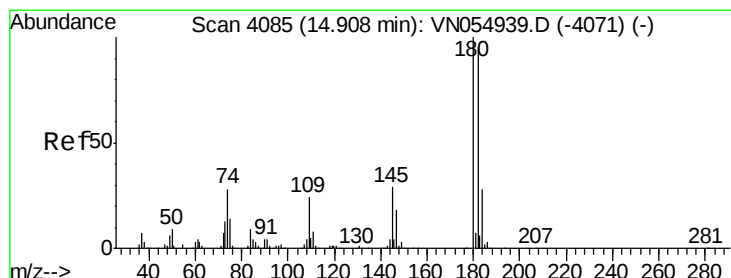
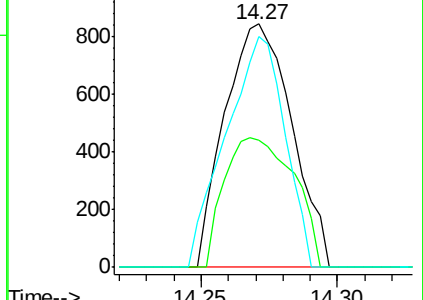
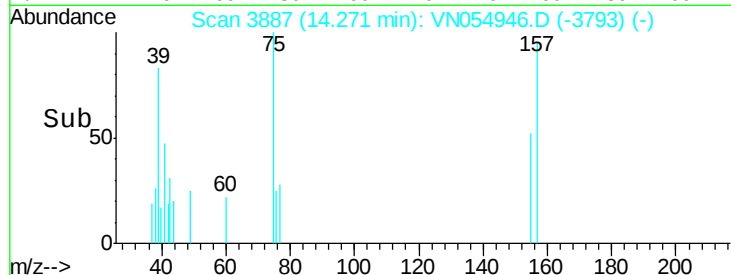


Abundance Ion 74.90 (74.60 to 75.60): VN054939.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN054939.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN054939.D (-3872) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.902 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

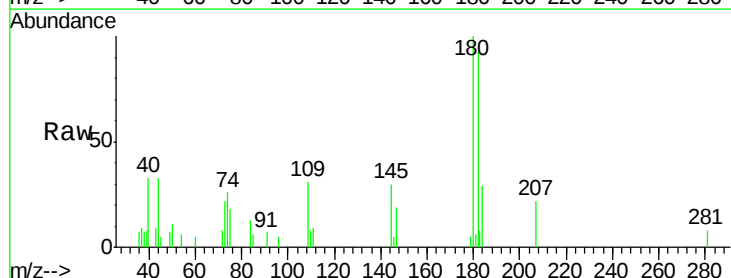
Tgt Ion: 180 Resp: 5513

Ion Ratio Lower Upper

180 100

182 91.0 47.5 142.6

145 28.1 14.6 43.8

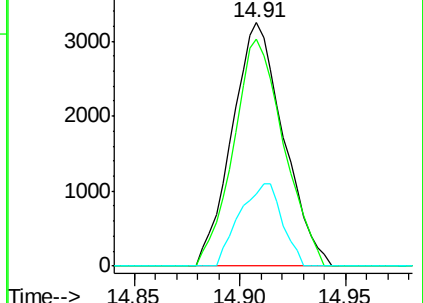
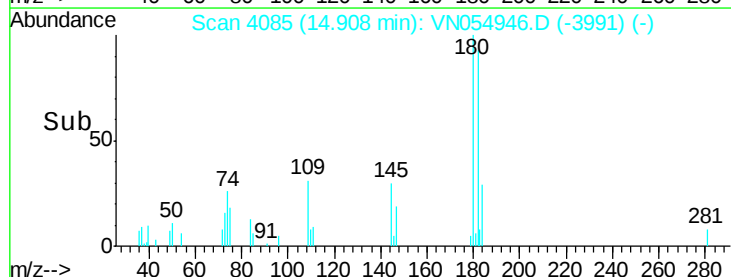


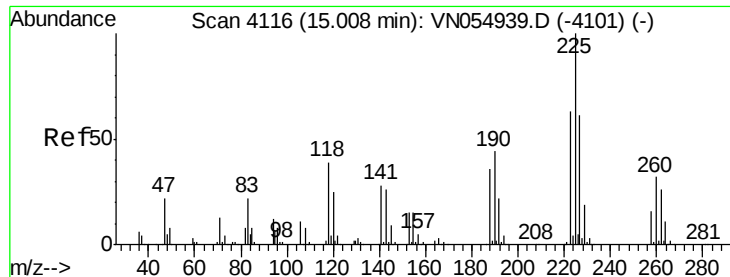
Abundance Ion 179.80 (179.50 to 180.50): VN054939.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN054939.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN054939.D (-4071) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 2.447 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

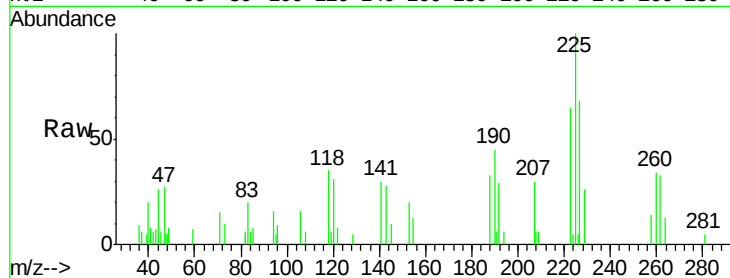
Tgt Ion:225 Resp: 5671

Ion Ratio Lower Upper

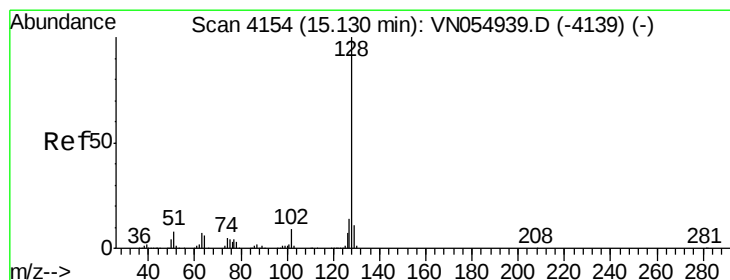
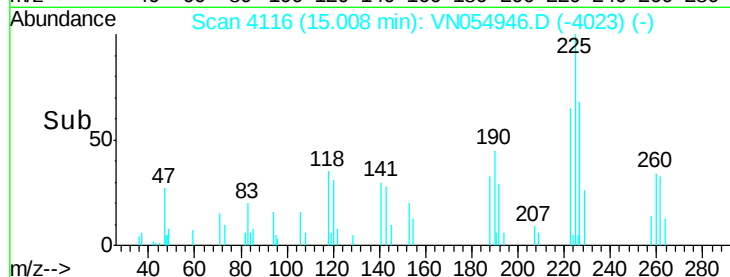
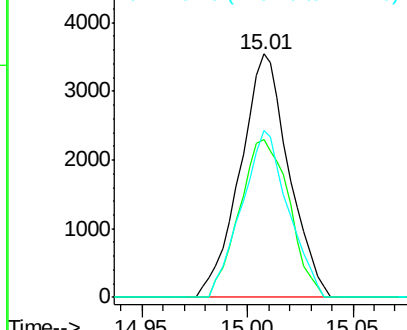
225 100

223 66.1 31.1 93.5

227 65.4 30.9 92.5



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



#95

Naphthalene

Concen: 4.168 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

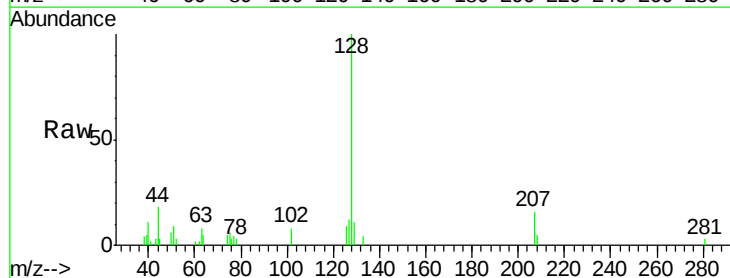
Tgt Ion:128 Resp: 10822

Ion Ratio Lower Upper

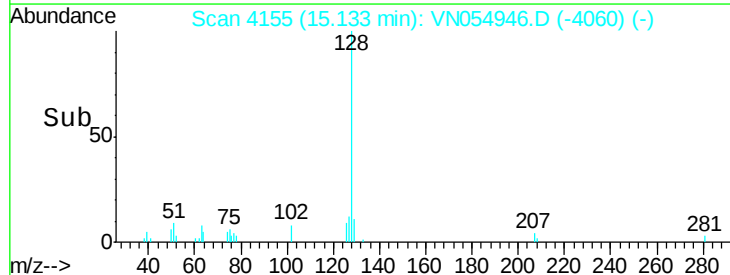
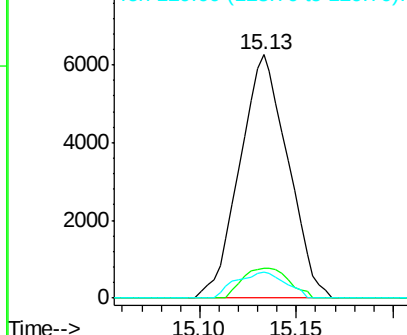
128 100

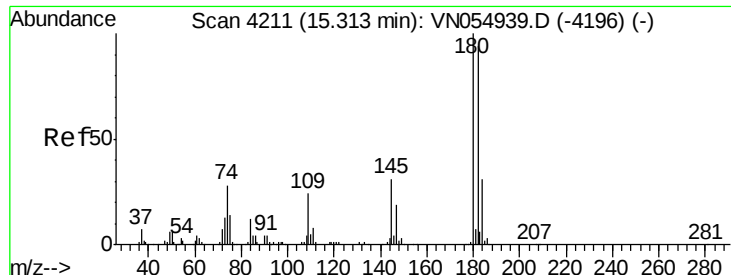
127 11.7 10.6 16.0

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

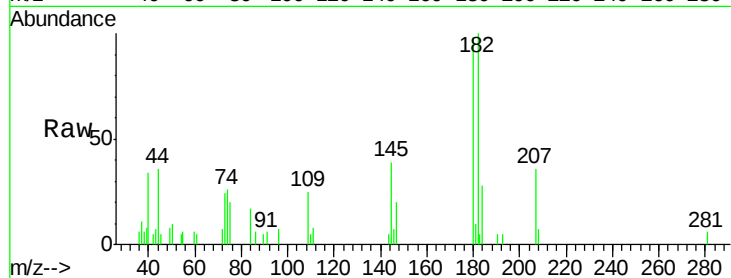




#96
 1,2,3-Trichlorobenzene
 Concen: 1.858 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	47.5	142.5
145	35.5	15.6	46.8



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

