

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058704.D
 Acq On : 11 Oct 2019 15:36
 Operator : JC/SP
 Sample : K5111-08 0.75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 12 00:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	426791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	702554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	310278	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.57	113	220685	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.08	98	835284	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.40	95	293308	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4214	0.793	ug/l	98
3) Chloromethane	2.04	50	5597	0.886	ug/l	97
4) Vinyl Chloride	2.17	62	5124	0.814	ug/l	93
5) Bromomethane	2.55	94	3744	0.978	ug/l	87
6) Chloroethane	2.69	64	3189	0.821	ug/l	89
7) Trichlorofluoromethane	3.00	101	6366	0.845	ug/l	99
8) Diethyl Ether	3.39	74	2117	0.760	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3305	0.769	ug/l #	86
10) Methyl Iodide	3.93	142	4109	0.701	ug/l #	90
11) Tert butyl alcohol	4.75	59	2627	2.715	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	3847	0.939	ug/l #	62
13) Acrolein	3.59	56	2864	3.680	ug/l	97
14) Allyl chloride	4.30	41	7127	0.862	ug/l	96
15) Acrylonitrile	4.97	53	8625	3.534	ug/l #	85
16) Acetone	3.80	43	10548	4.264	ug/l	97
17) Carbon Disulfide	4.03	76	11676	0.891	ug/l #	93
18) Methyl Acetate	4.31	43	5792	0.923	ug/l #	67
19) Methyl tert-butyl Ether	5.02	73	11753	0.803	ug/l	95
20) Methylene Chloride	4.53	84	5019	0.971	ug/l #	84
21) trans-1,2-Dichloroethene	5.02	96	3987	0.870	ug/l	85
22) Diisopropyl ether	5.94	45	11867	0.738	ug/l	91
23) Vinyl Acetate	5.88	43	48117	3.708	ug/l	98
24) 1,1-Dichloroethane	5.83	63	7299	0.797	ug/l #	93
25) 2-Butanone	6.82	43	13562	3.793	ug/l	97
26) 2,2-Dichloropropane	6.80	77	8064	0.964	ug/l	86
27) cis-1,2-Dichloroethene	6.81	96	4419	0.827	ug/l	94
28) Bromochloromethane	7.18	49	2766	0.868	ug/l #	85
29) Tetrahydrofuran	7.20	42	8883	3.845	ug/l #	78
30) Chloroform	7.36	83	8374	0.910	ug/l	93
31) Cyclohexane	7.64	56	16588	1.893	ug/l #	40
32) 1,1,1-Trichloroethane	7.55	97	6263	0.798	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	5810	0.818	ug/l	94
37) Ethyl Acetate	6.92	43	4471	0.622	ug/l #	71
38) Carbon Tetrachloride	7.76	117	5692	0.822	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	6090	0.739	ug/l	93
40) Benzene	8.03	78	16839	0.825	ug/l	98
41) Methacrylonitrile	7.17	41	2999	0.892	ug/l #	40
42) 1,2-Dichloroethane	8.11	62	6889	0.879	ug/l	84
43) Isopropyl Acetate	8.15	43	9287	0.759	ug/l #	88
44) Trichloroethene	8.82	130	4217	0.832	ug/l	90
45) 1,2-Dichloropropane	9.10	63	3824	0.700	ug/l #	84
46) Dibromomethane	9.20	93	3155	0.911	ug/l	88
47) Bromodichloromethane	9.39	83	5462	0.775	ug/l #	87
48) Methyl methacrylate	9.19	41	4199	0.757	ug/l	93
49) 1,4-Dioxane	9.19	88	1249	14.554	ug/l #	86
51) 4-Methyl-2-Pentanone	9.98	43	24982	3.635	ug/l	97
52) Toluene	10.15	92	9709	0.778	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	5627	0.696	ug/l #	60
54) cis-1,3-Dichloropropene	9.83	75	6558	0.764	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	3926	0.769	ug/l	92
56) Ethyl methacrylate	10.43	69	4981	0.668	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	6976	0.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	11629	3.234	ug/l	96
59) 2-Hexanone	10.75	43	19104	3.597	ug/l	95
60) Dibromochloromethane	10.90	129	3867	0.734	ug/l	94
61) 1,2-Dibromoethane	11.00	107	4011	0.784	ug/l	94
64) Tetrachloroethene	10.63	164	3688	0.840	ug/l	93
65) Chlorobenzene	11.43	112	10757	0.845	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.51	131	3491	0.741	ug/l #	61
67) Ethyl Benzene	11.51	91	18071	0.796	ug/l	97
68) m/p-Xylenes	11.62	106	13091	1.537	ug/l	96
69) o-Xylene	11.95	106	5711	0.693	ug/l	93
70) Styrene	11.97	104	8508	0.630	ug/l	89
71) Bromoform	12.13	173	2583	0.748	ug/l #	87
73) Isopropylbenzene	12.25	105	16268	0.827	ug/l	97
74) N-amyl acetate	12.07	43	5832	0.660	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	6089	0.940	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	8665	1.455	ug/l #	100
77) Bromobenzene	12.53	156	3868	0.809	ug/l	75
78) n-propylbenzene	12.60	91	18812	0.821	ug/l	100
79) 2-Chlorotoluene	12.68	91	12376	0.870	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	13336	0.794	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	155396	69.894	ug/l #	11
82) 4-Chlorotoluene	12.78	91	12452	0.853	ug/l	97
83) tert-Butylbenzene	13.00	119	11785	0.820	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	12687	0.761	ug/l	98
85) sec-Butylbenzene	13.17	105	14969	0.790	ug/l	98
86) p-Isopropyltoluene	13.30	119	12852	0.746	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	7054	0.800	ug/l	93
88) 1,4-Dichlorobenzene	13.29	146	7054	0.787	ug/l	93
89) n-Butylbenzene	13.62	91	11523	0.724	ug/l	98
90) Hexachloroethane	13.88	117	2528	0.820	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	7047	0.820	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1807	1.194	ug/l	56

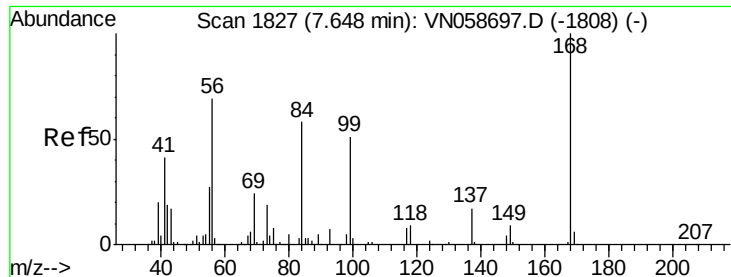
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4035	0.770	ug/l	91
94) Hexachlorobutadiene	15.02	225	2032	0.736	ug/l	77
95) Naphthalene	15.14	128	10758	0.714	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	3673	0.717	ug/l	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

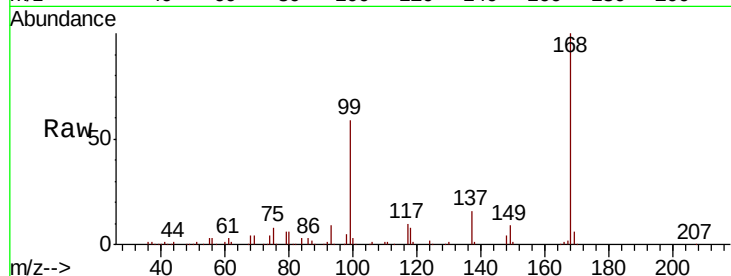
LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 426791

Ion Ratio Lower Upper

168 100

99 59.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

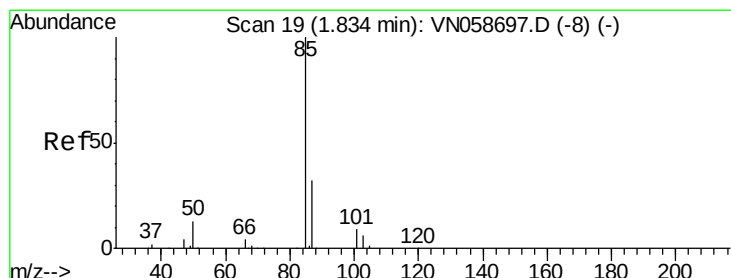
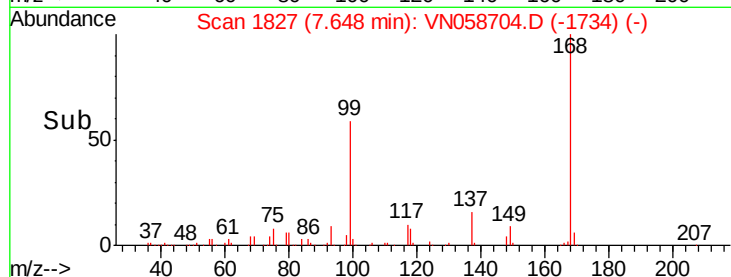
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.793 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058704.D

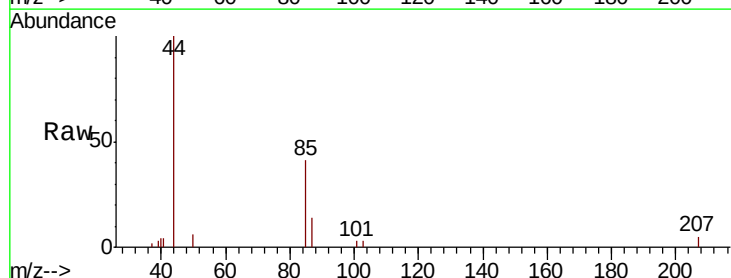
Acq: 11 Oct 2019 15:36

Tgt Ion: 85 Resp: 4214

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

3000

2500

2000

1500

1000

500

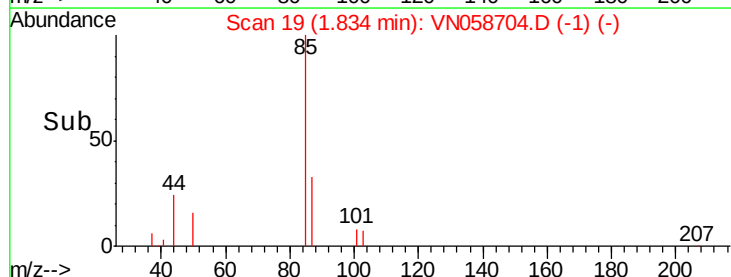
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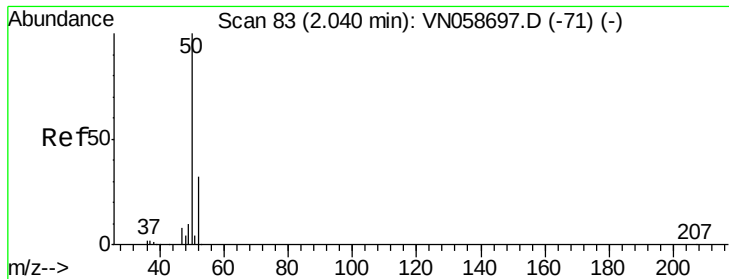
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 0.886 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

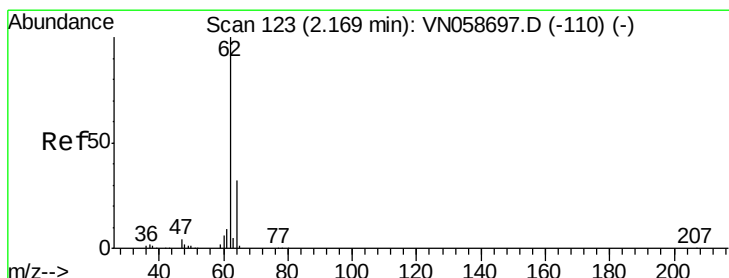
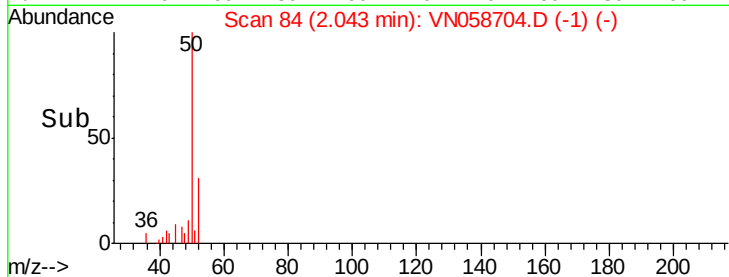
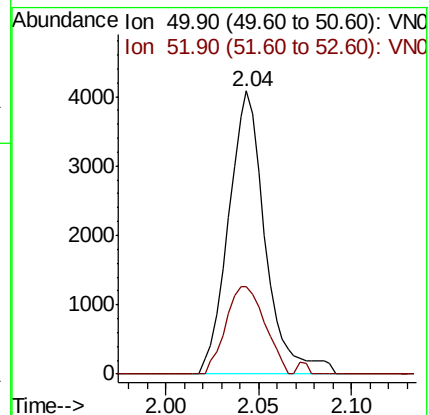
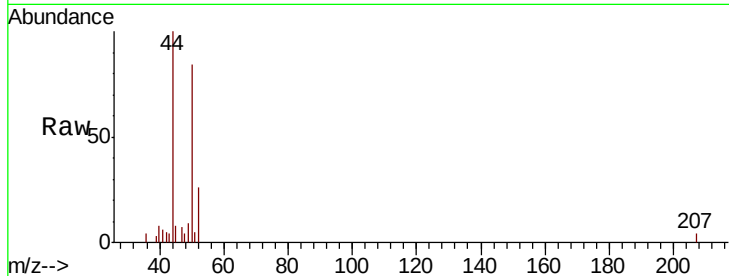
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 5597

Ion Ratio Lower Upper

50 100

52 30.7 25.8 38.6



#4

Vinyl Chloride

Concen: 0.814 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058704.D

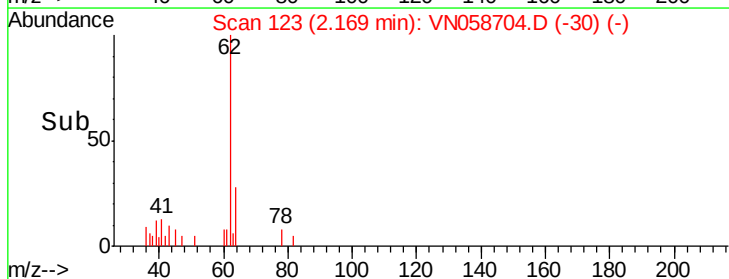
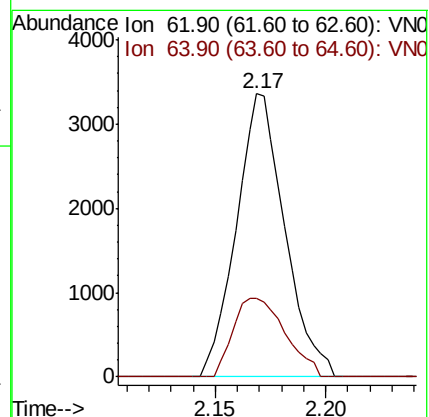
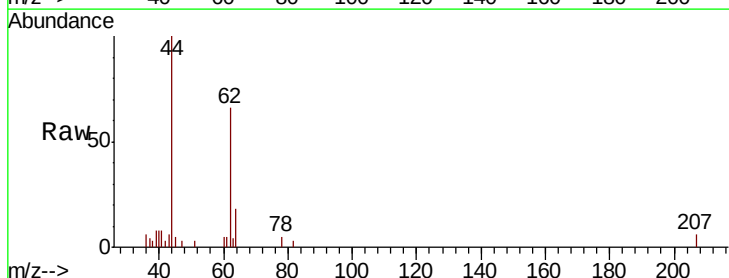
Acq: 11 Oct 2019 15:36

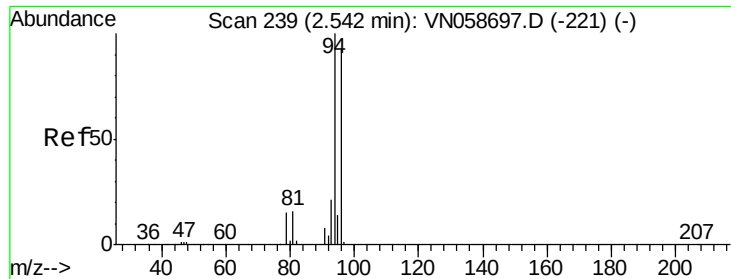
Tgt Ion: 62 Resp: 5124

Ion Ratio Lower Upper

62 100

64 27.7 25.3 37.9





#5

Bromomethane

Concen: 0.978 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

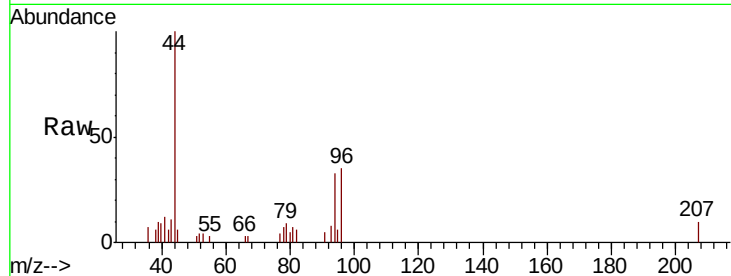
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 3744

Ion Ratio Lower Upper

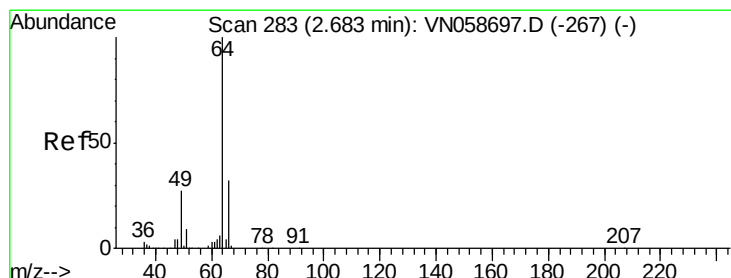
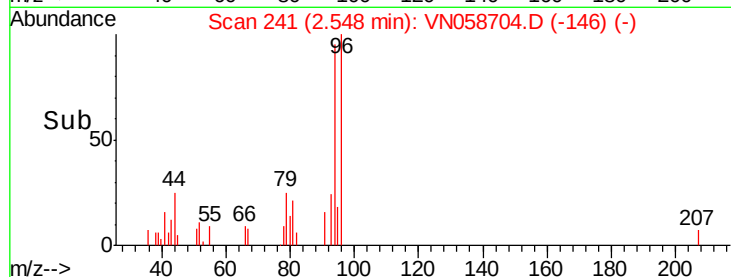
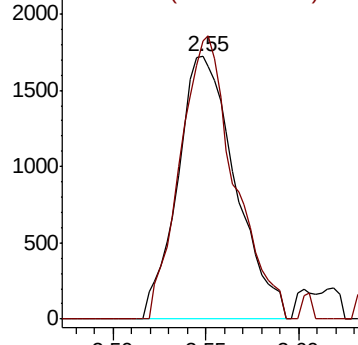
94 100

96 105.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 0.821 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058704.D

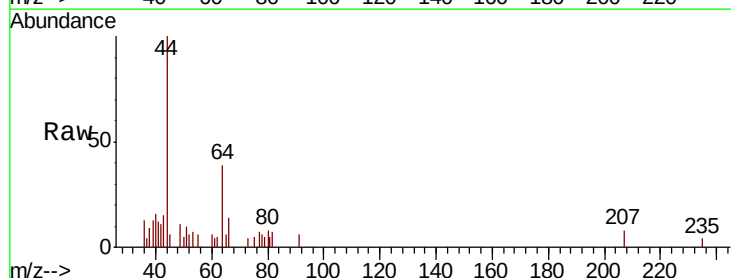
Acq: 11 Oct 2019 15:36

Tgt Ion: 64 Resp: 3189

Ion Ratio Lower Upper

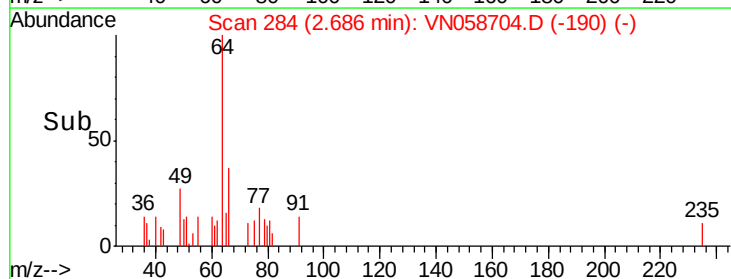
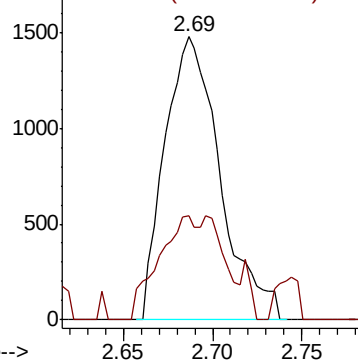
64 100

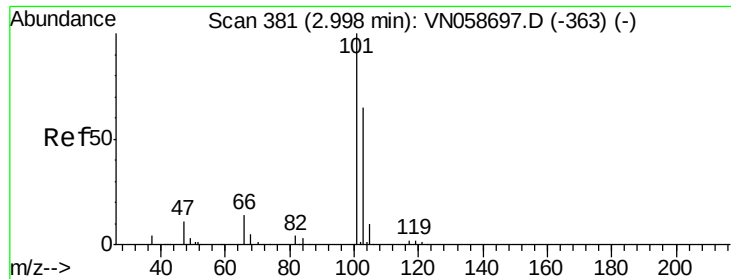
66 25.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



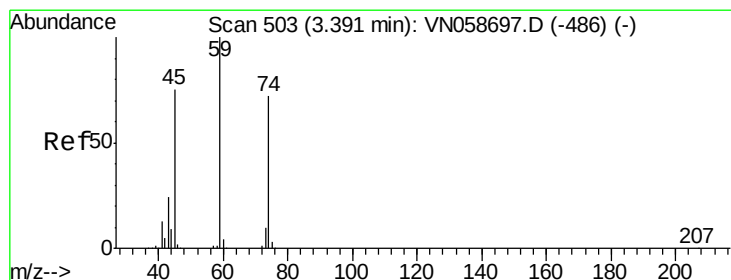
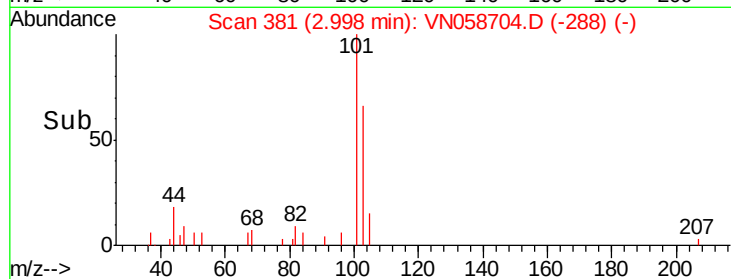
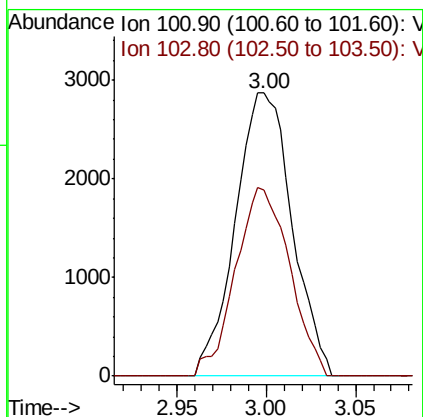
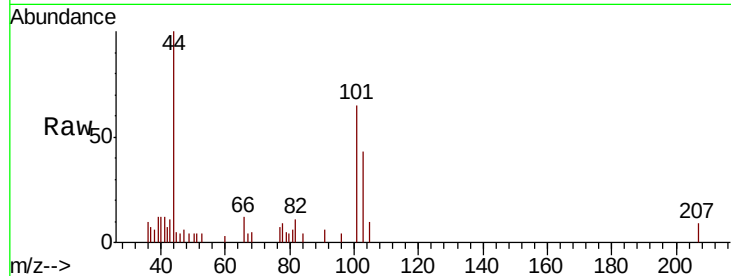


#7

Trichlorofluoromethane
Concen: 0.845 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

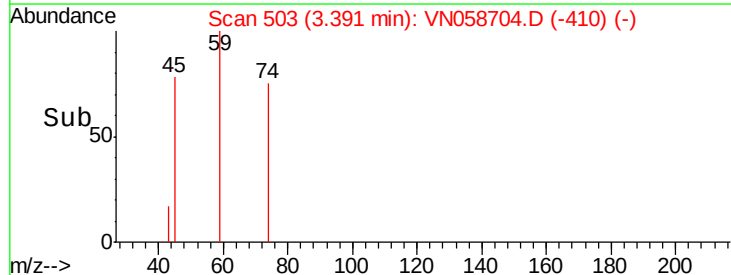
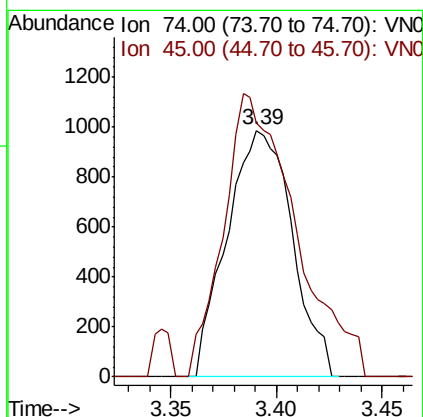
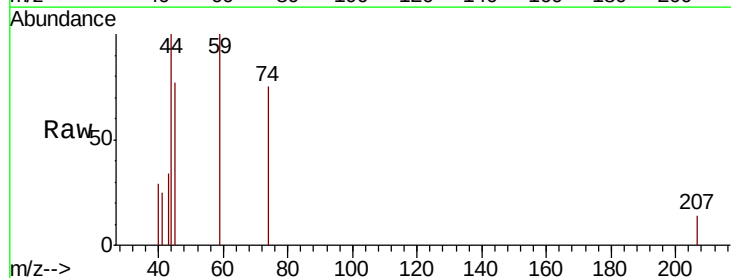
Tot Ion:101 Resp: 6366
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.6

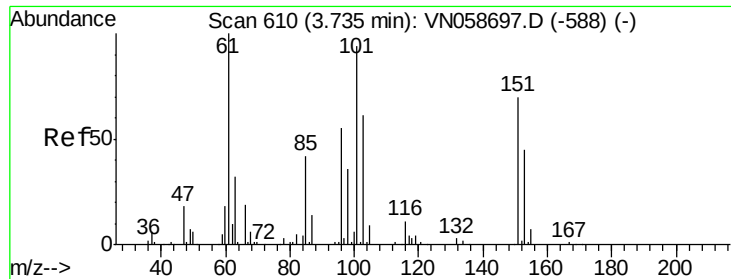


#8

Diethyl Ether
Concen: 0.760 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 74 Resp: 2117
Ion Ratio Lower Upper
74 100
45 127.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.769 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

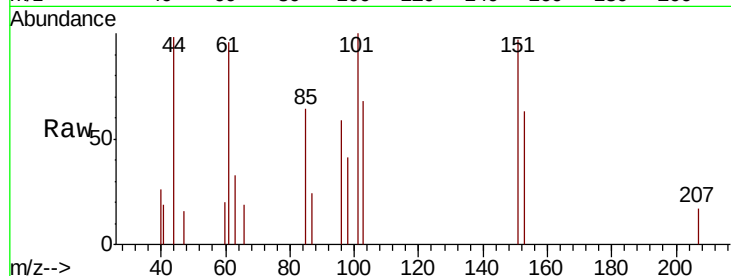
Tot Ion:101 Resp: 3305

Ion Ratio Lower Upper

101 100

85 34.4 37.0 55.6#

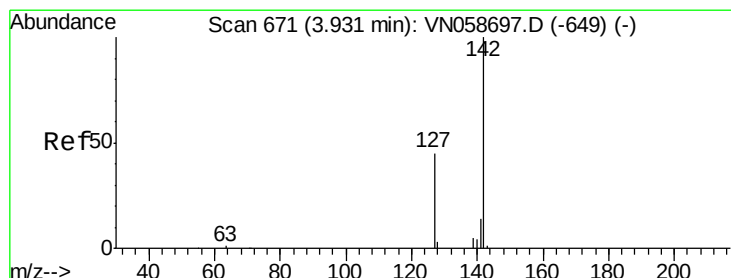
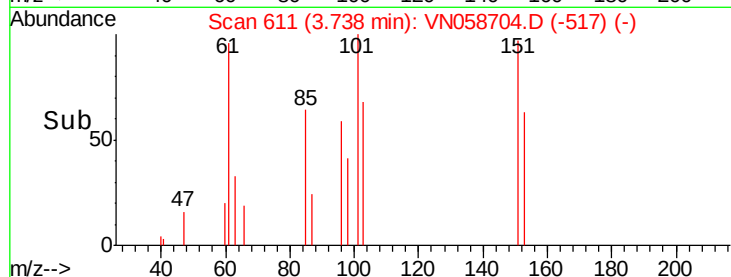
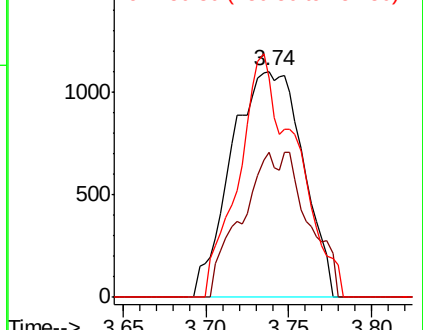
151 87.6 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.701 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

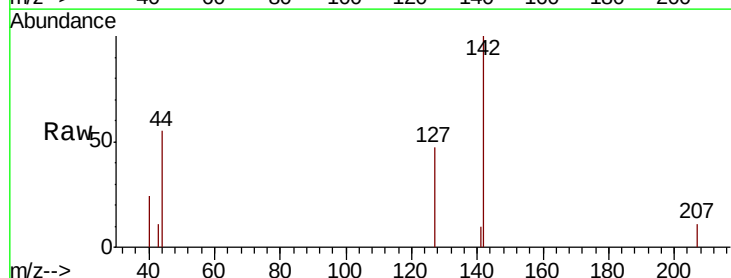
Tgt Ion:142 Resp: 4109

Ion Ratio Lower Upper

142 100

127 48.3 36.4 54.6

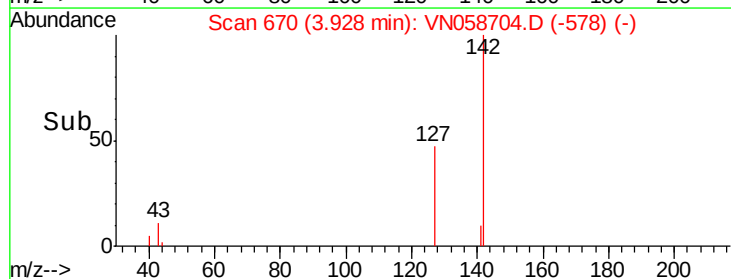
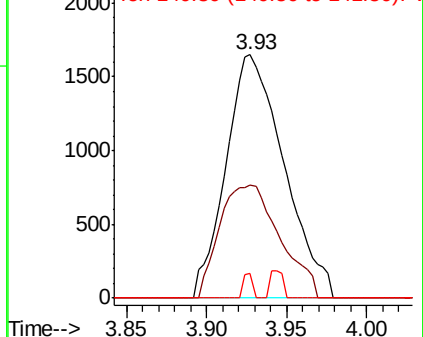
141 1.6 11.1 16.7#

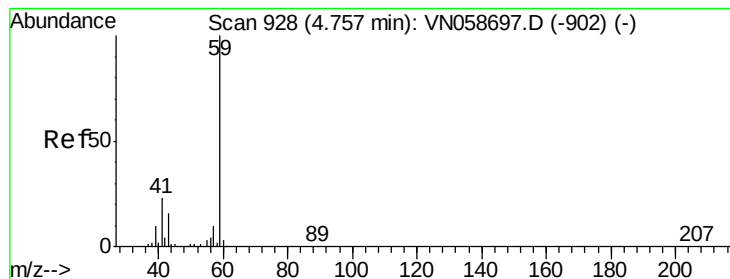


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 2.715 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

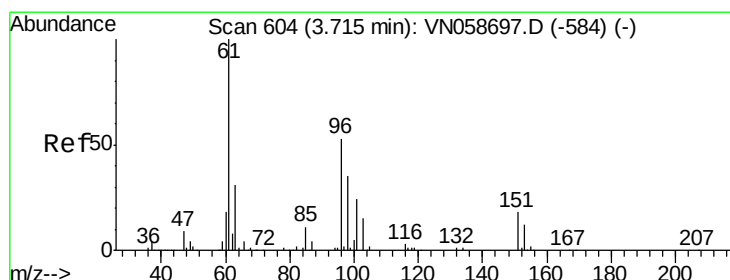
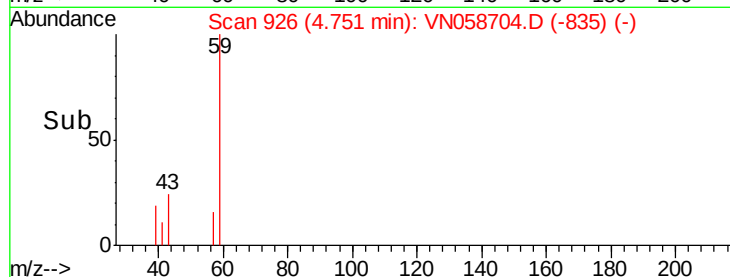
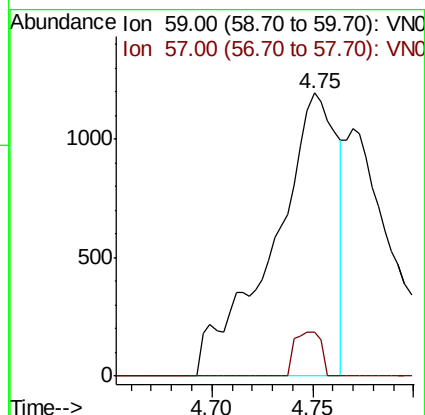
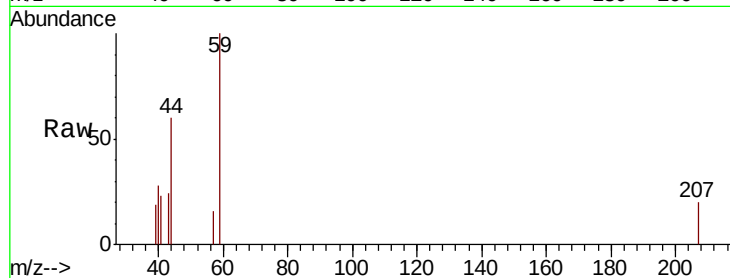
LOQ-WATER-02-QT4-2019

Tot Ion: 59 Resp: 2627

Ion Ratio Lower Upper

59 100

57 6.3 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 0.939 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

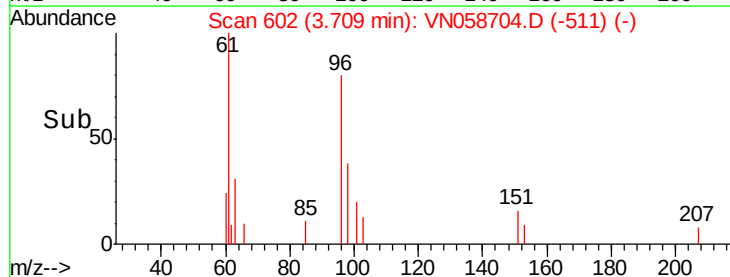
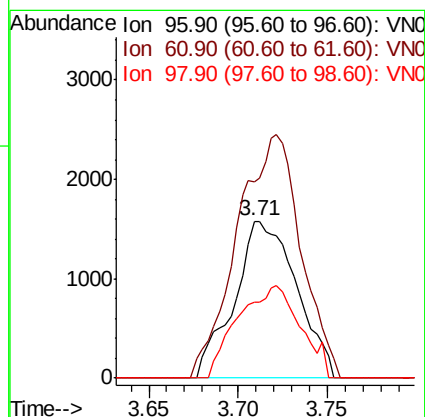
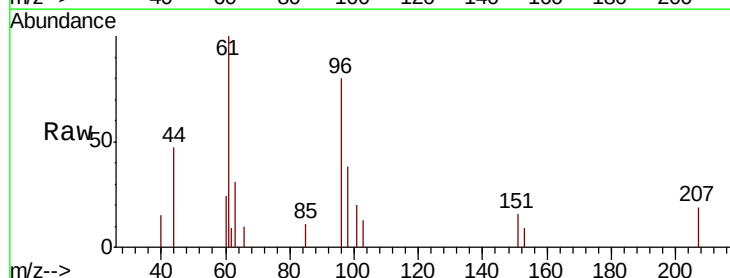
Tgt Ion: 96 Resp: 3847

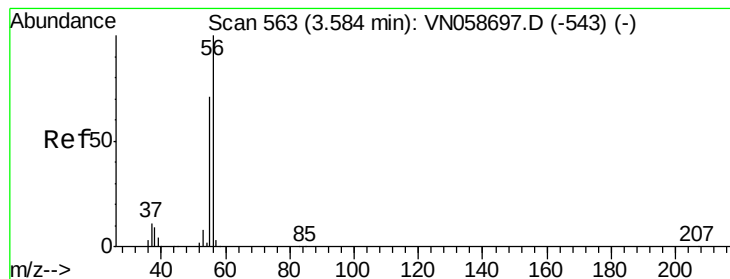
Ion Ratio Lower Upper

96 100

61 125.3 151.3 226.9#

98 48.2 52.6 78.8#





#13

Acrolein

Concen: 3.680 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

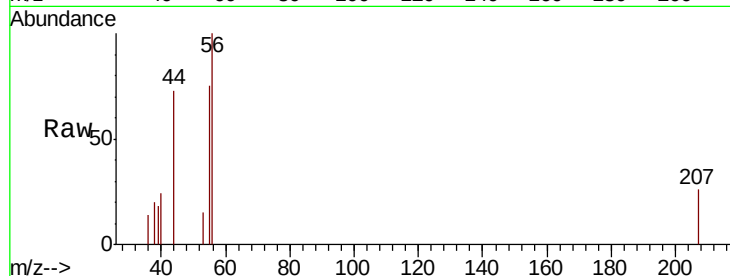
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 2864

Ion Ratio Lower Upper

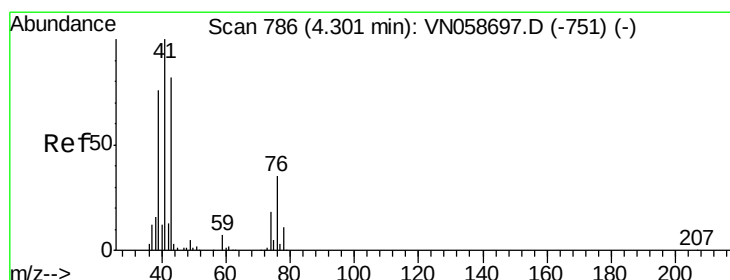
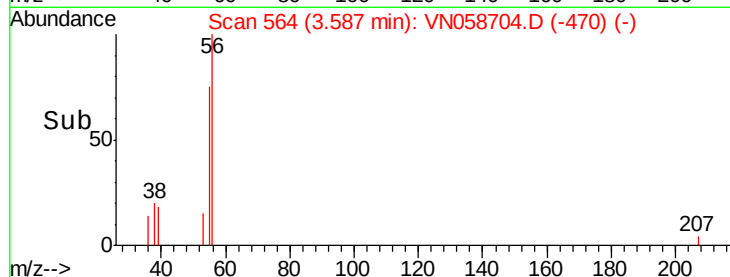
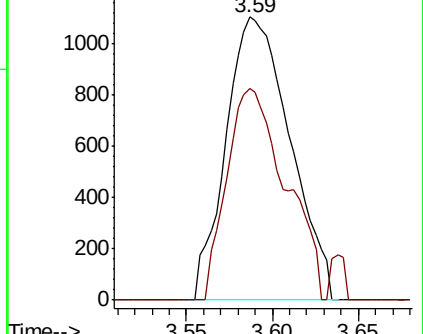
56 100

55 68.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.862 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

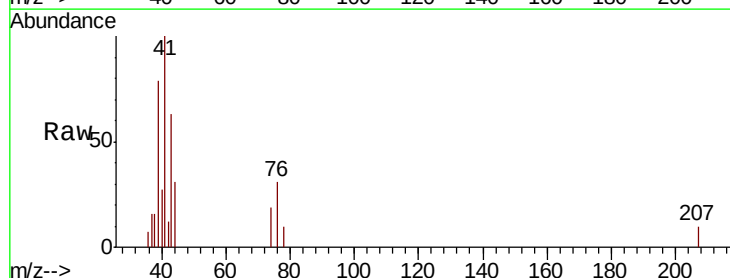
Tgt Ion: 41 Resp: 7127

Ion Ratio Lower Upper

41 100

39 73.4 57.2 85.8

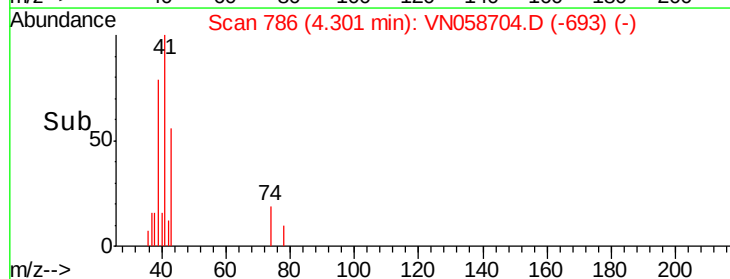
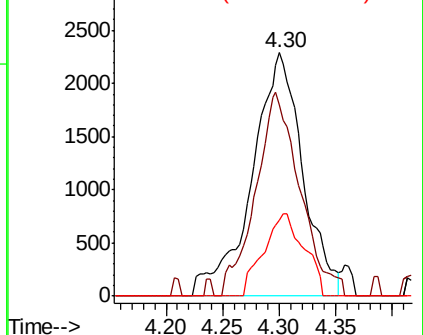
76 26.8 25.0 37.6

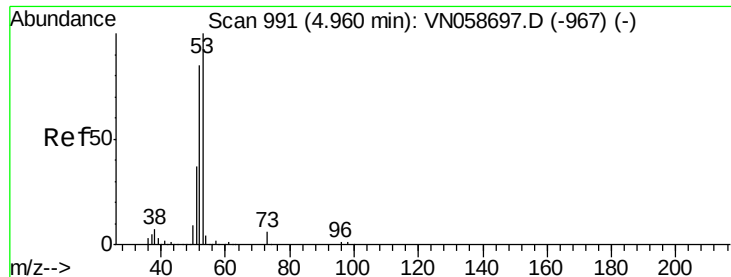


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 3.534 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

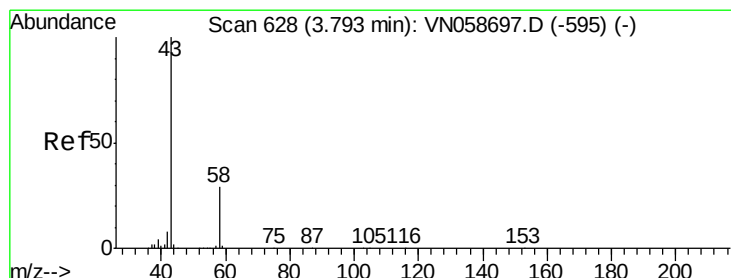
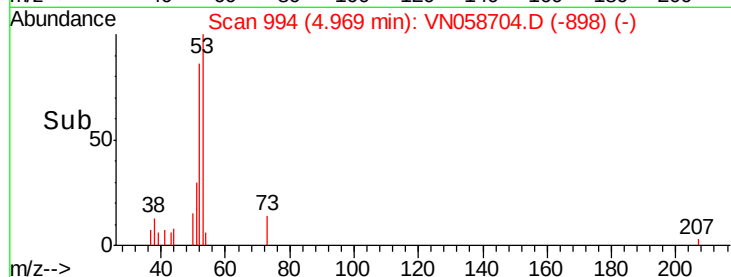
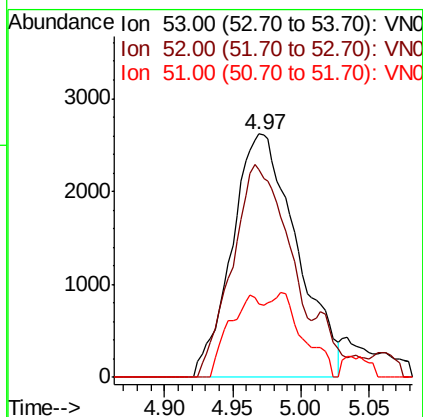
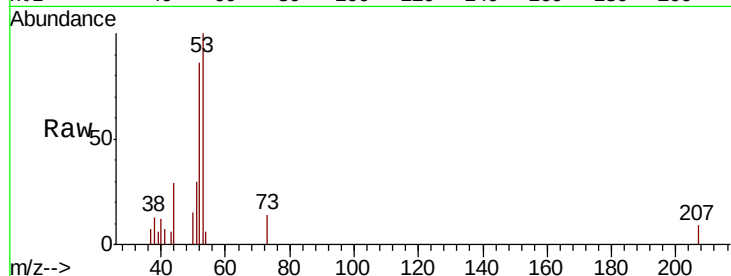
Tot Ion: 53 Resp: 8625

Ion Ratio Lower Upper

53 100

52 76.7 66.2 99.2

51 17.3 29.4 44.2#



#16

Acetone

Concen: 4.264 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058704.D

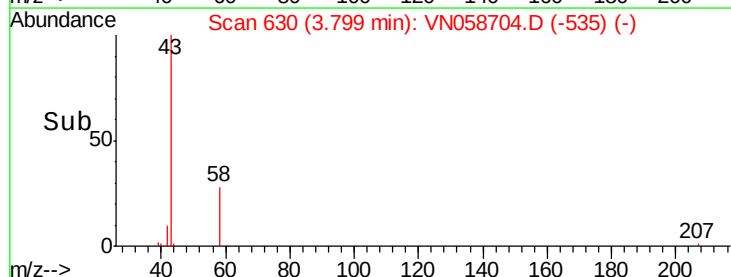
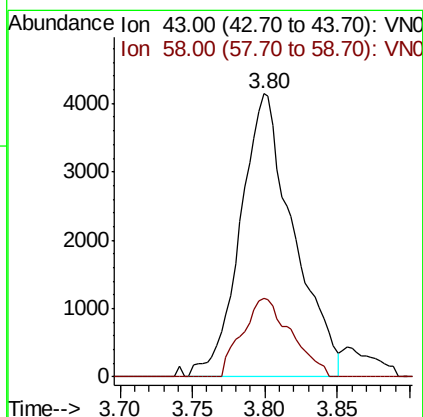
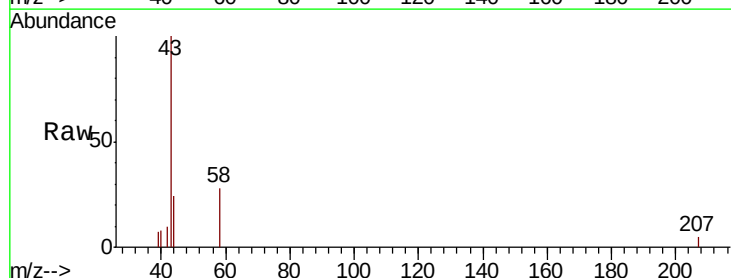
Acq: 11 Oct 2019 15:36

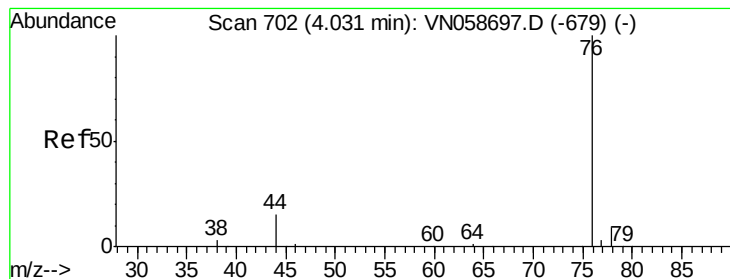
Tgt Ion: 43 Resp: 10548

Ion Ratio Lower Upper

43 100

58 27.6 23.3 34.9





#17

Carbon Disulfide

Concen: 0.891 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

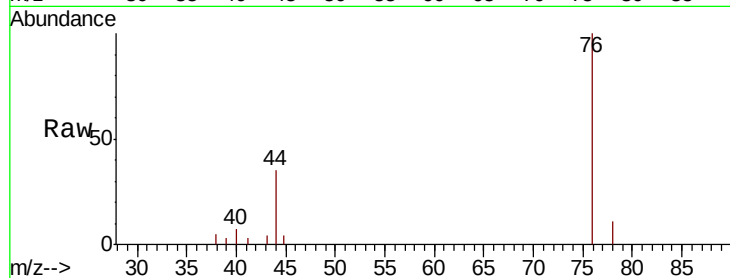
LOQ-WATER-02-QT4-2019

Tot Ion: 76 Resp: 11676

Ion Ratio Lower Upper

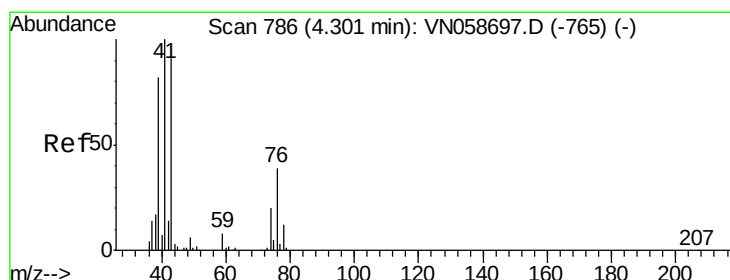
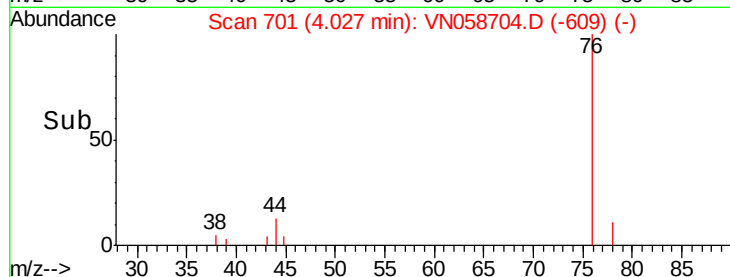
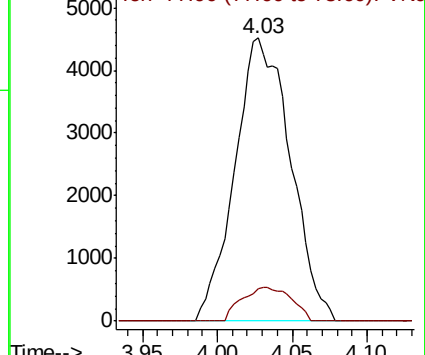
76 100

78 11.4 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: 0.923 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058704.D

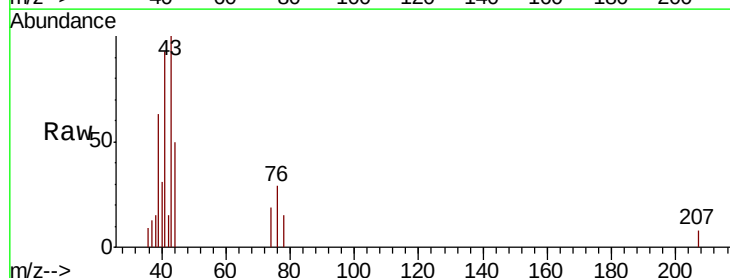
Acq: 11 Oct 2019 15:36

Tgt Ion: 43 Resp: 5792

Ion Ratio Lower Upper

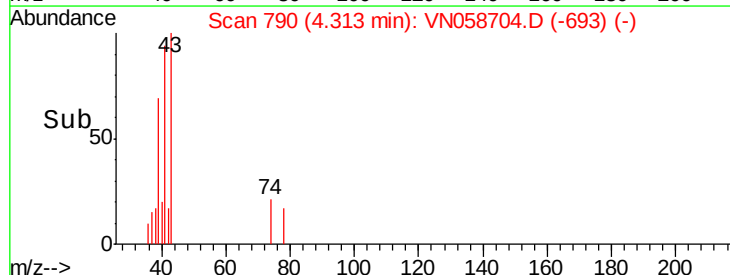
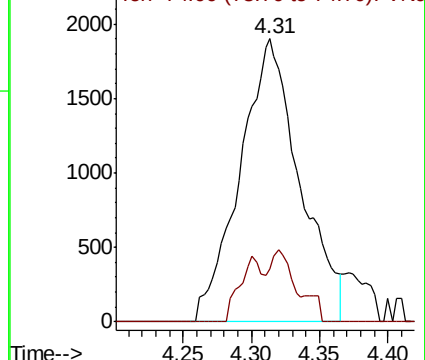
43 100

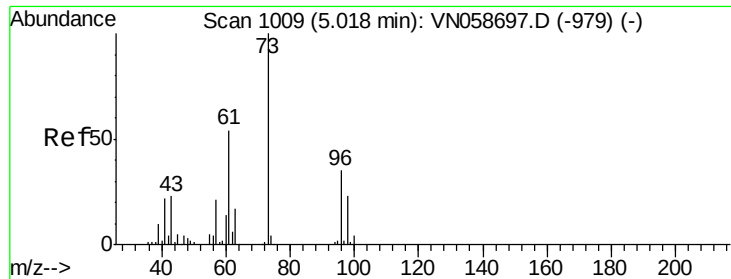
74 5.9 17.2 25.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

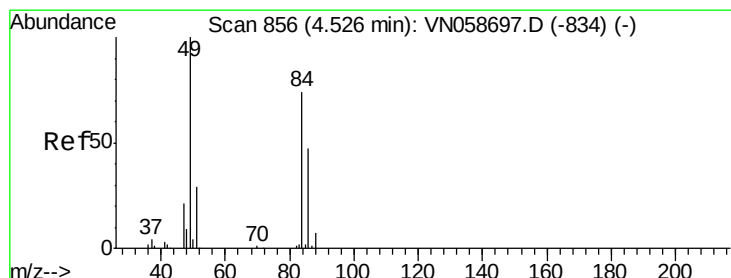
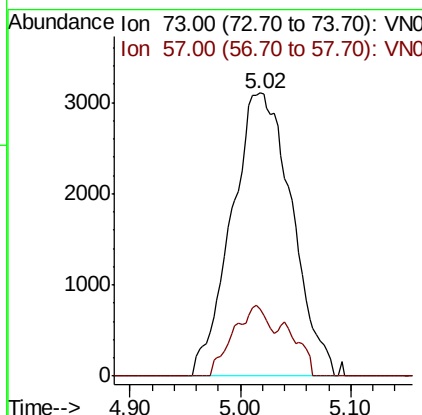
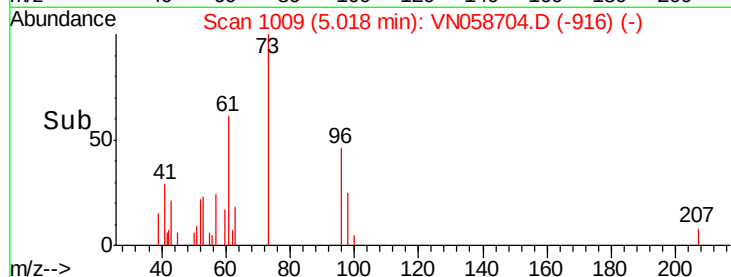
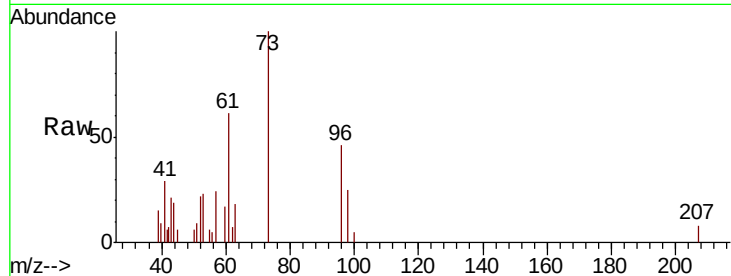




#19
Methyl tert-butyl Ether
Concen: 0.803 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

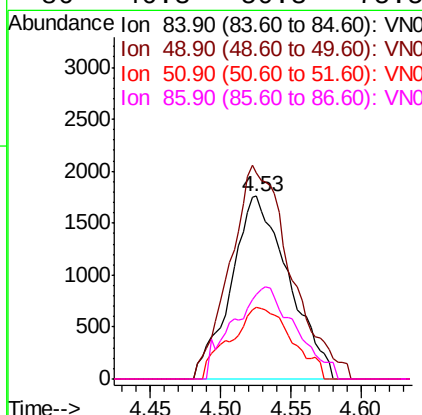
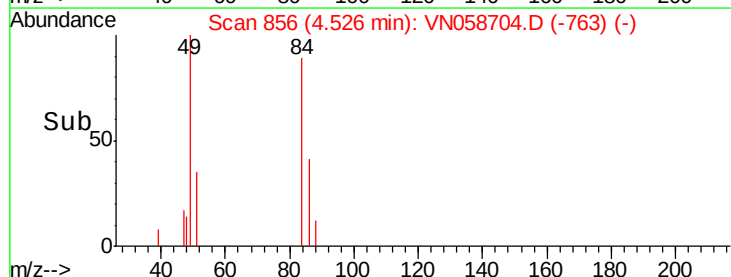
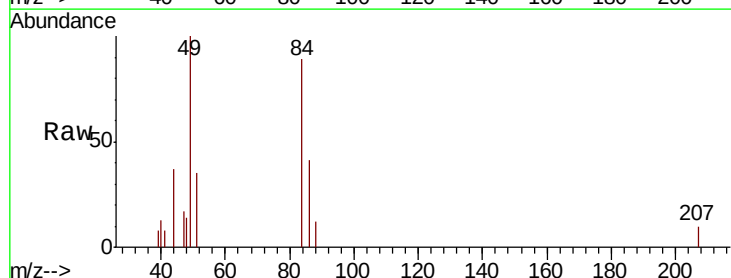
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

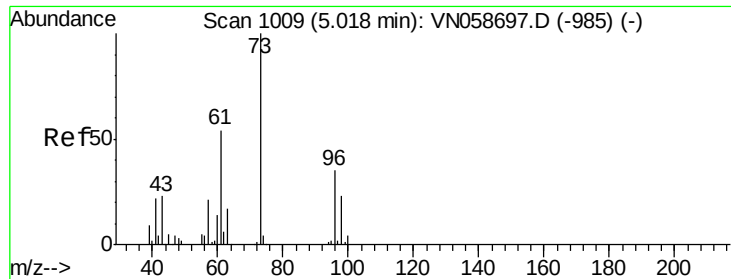
Tot Ion: 73 Resp: 11753
Ion Ratio Lower Upper
73 100
57 23.7 17.0 25.6



#20
Methylene Chloride
Concen: 0.971 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 84 Resp: 5019
Ion Ratio Lower Upper
84 100
49 112.6 107.6 161.4
51 39.0 31.4 47.0
86 46.3 50.3 75.5#

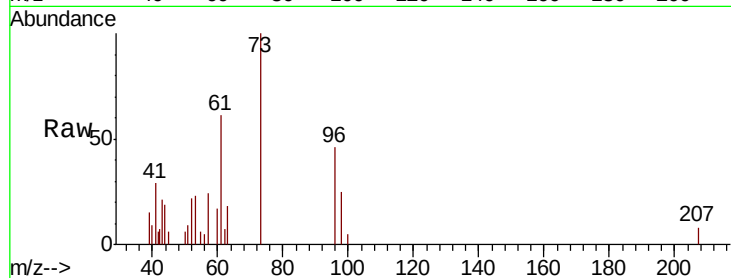




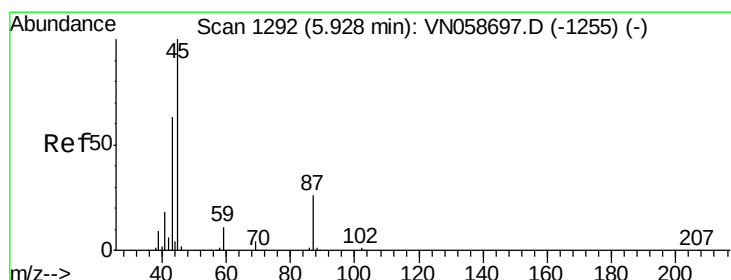
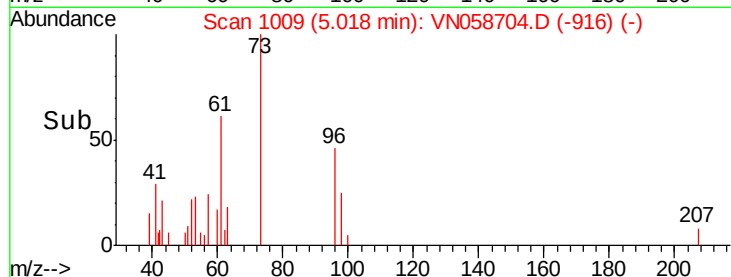
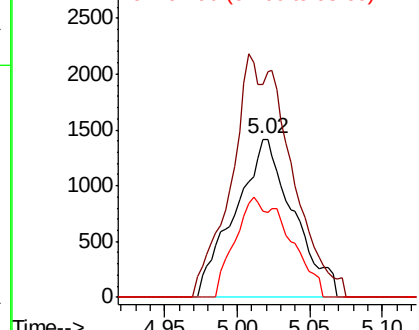
#21
trans-1,2-Dichloroethene
Concen: 0.870 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 96 Resp: 3987
Ion Ratio Lower Upper
96 100
61 134.6 123.6 185.4
98 54.9 52.1 78.1

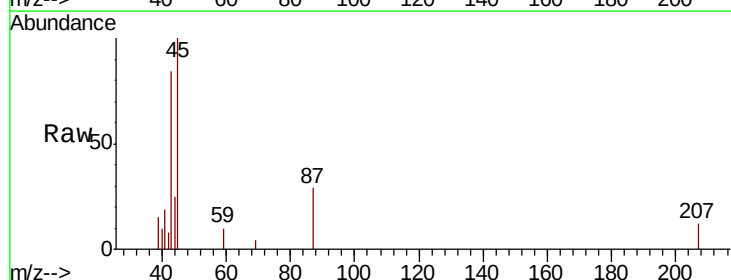


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

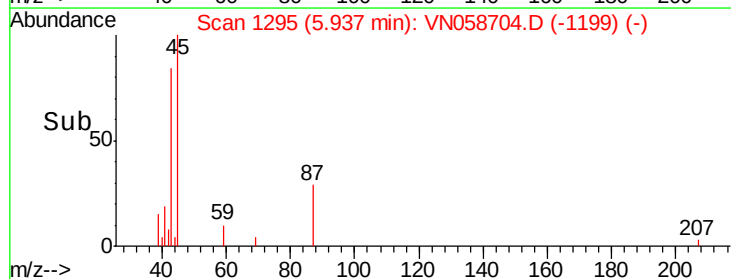
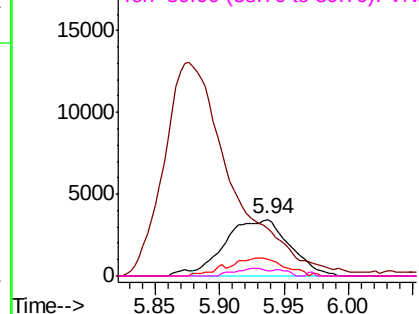


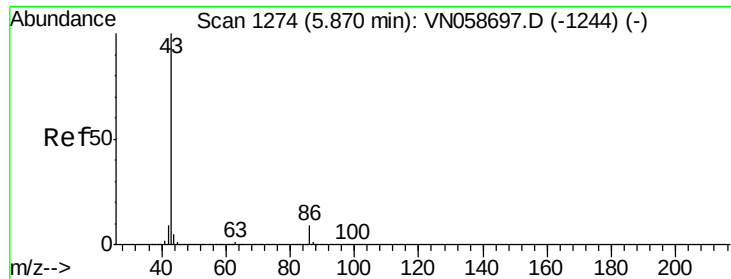
#22
Diisopropyl ether
Concen: 0.738 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 45 Resp: 11867
Ion Ratio Lower Upper
45 100
43 72.2 50.6 75.8
87 28.8 21.1 31.7
59 9.5 9.0 13.4



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





#23

Vinyl Acetate

Concen: 3.708 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

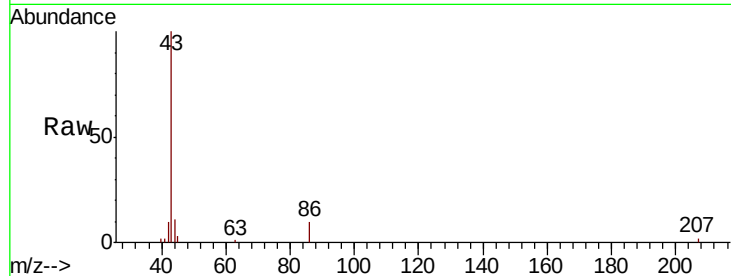
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 48117

Ion Ratio Lower Upper

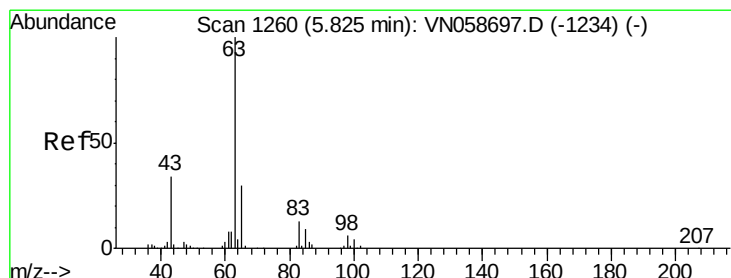
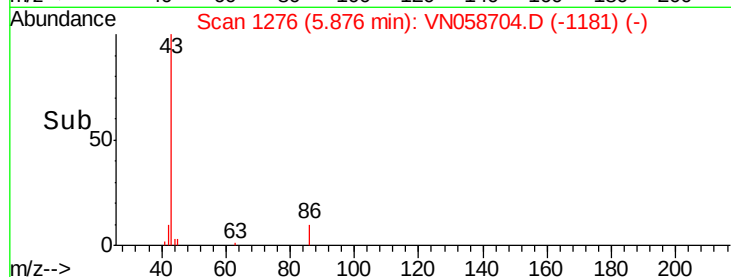
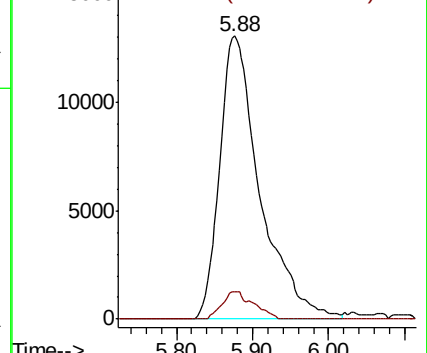
43 100

86 9.8 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN058697.D (-1244) (-)



#24

1,1-Dichloroethane

Concen: 0.797 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

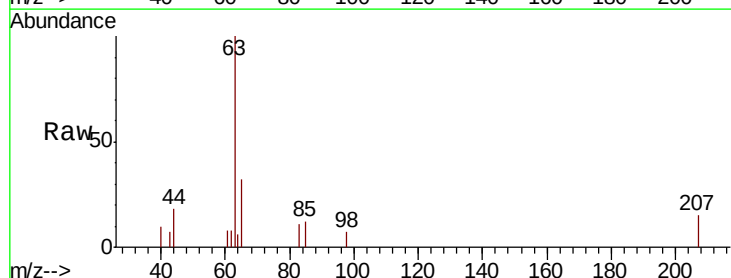
Tgt Ion: 63 Resp: 7299

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.6

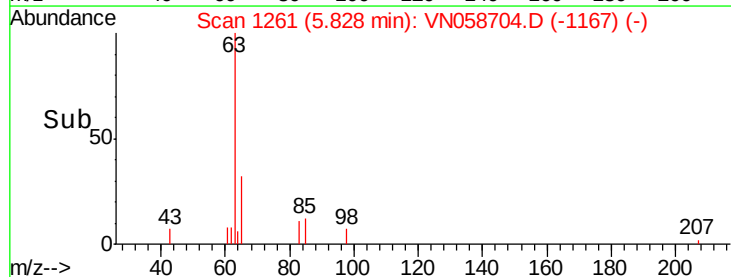
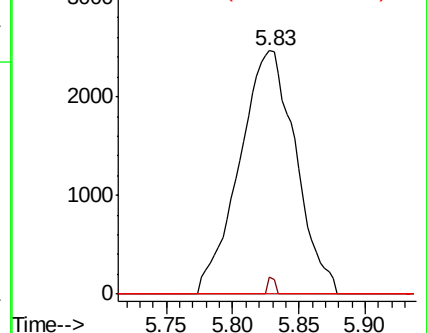
100 0.0 1.8 5.5#

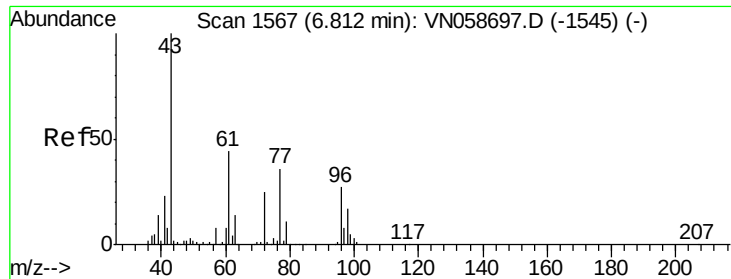


Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058697.D (-1234) (-)





#25

2-Butanone

Concen: 3.793 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

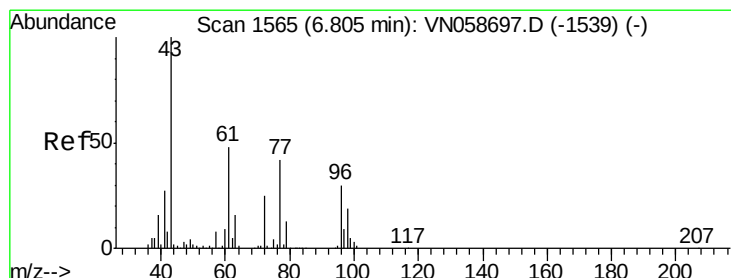
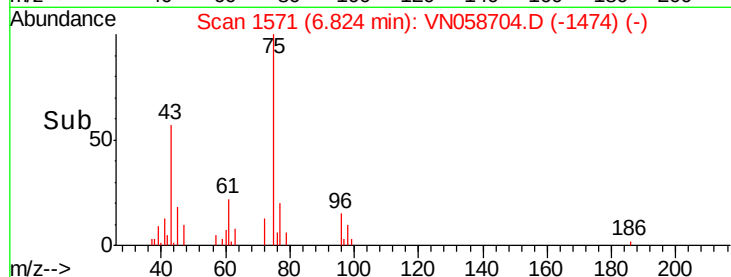
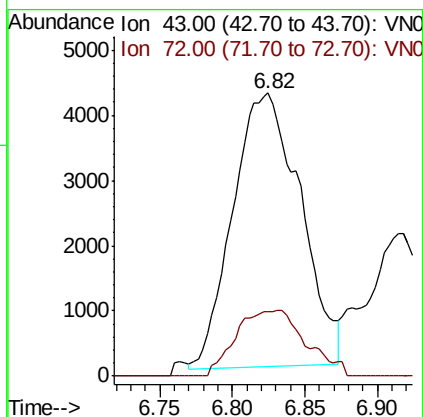
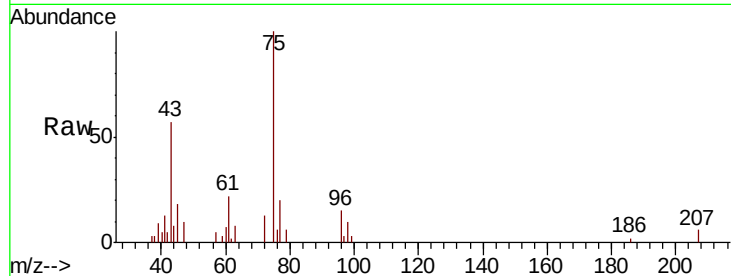
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 13562

Ion Ratio Lower Upper

43 100

72 23.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 0.964 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058704.D

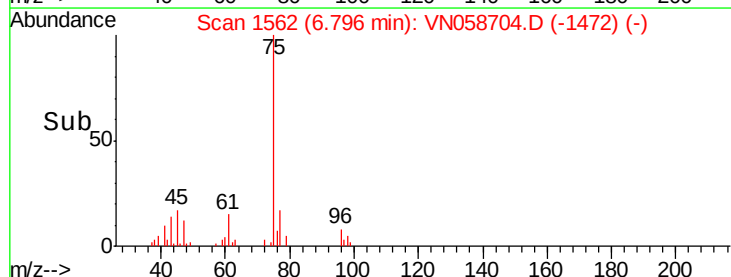
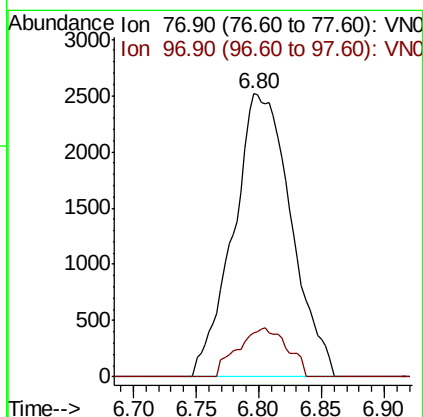
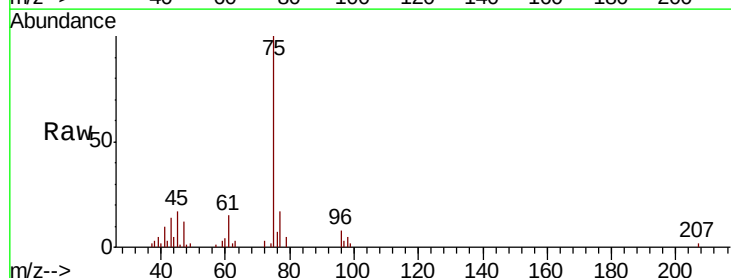
Acq: 11 Oct 2019 15:36

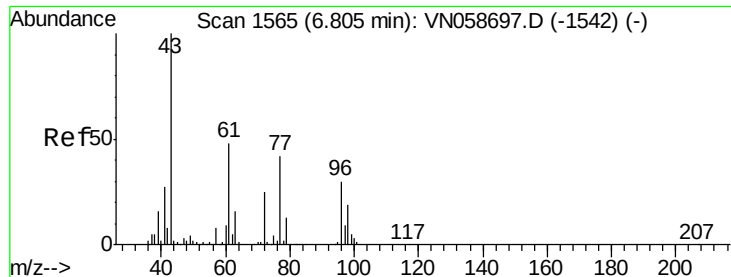
Tgt Ion: 77 Resp: 8064

Ion Ratio Lower Upper

77 100

97 14.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 0.827 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

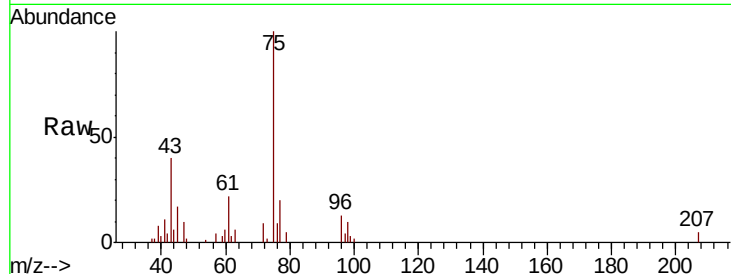
Tot Ion: 96 Resp: 4419

Ion Ratio Lower Upper

96 100

61 173.5 0.0 324.8

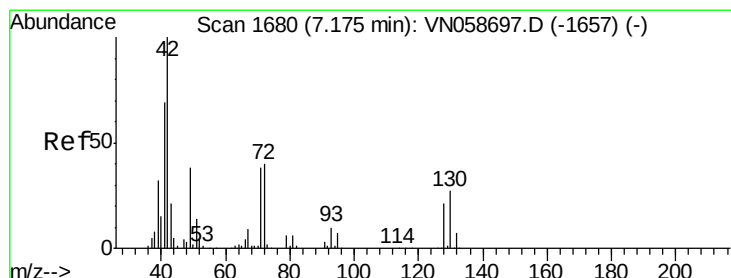
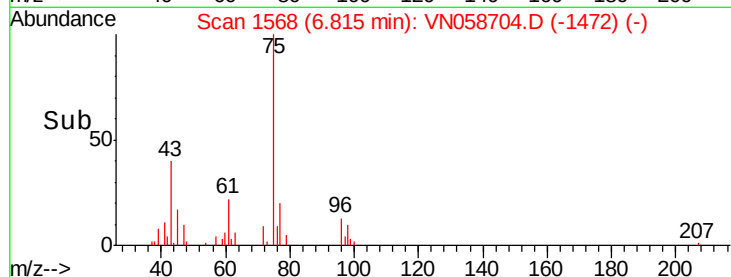
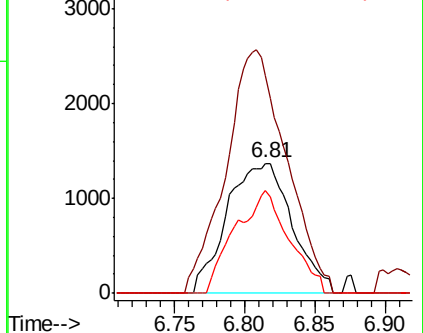
98 65.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058704.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058704.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058704.D (-1542) (-)



#28

Bromochloromethane

Concen: 0.868 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

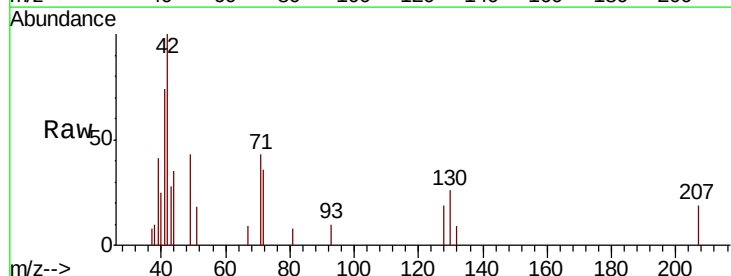
Tgt Ion: 49 Resp: 2766

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

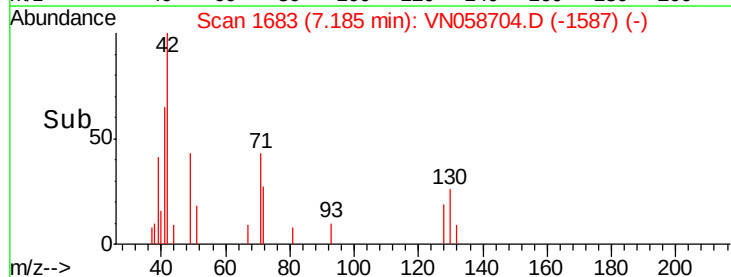
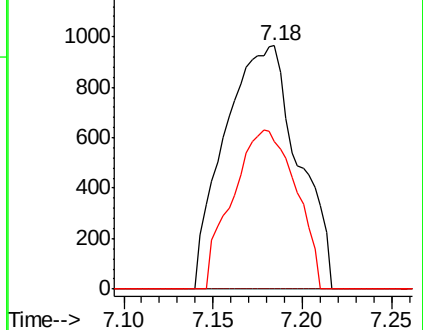
130 56.4 55.0 82.4

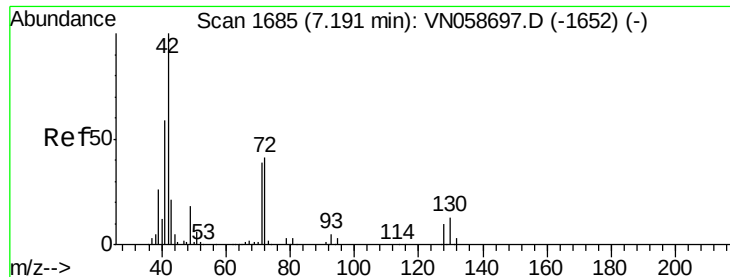


Abundance Ion 48.90 (48.60 to 49.60): VN058704.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058704.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058704.D (-1587) (-)





#29

Tetrahydrofuran

Concen: 3.845 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

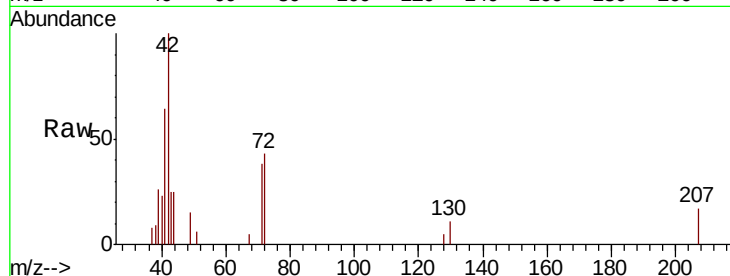
Tot Ion: 42 Resp: 8883

Ion Ratio Lower Upper

42 100

72 36.8 32.8 49.2

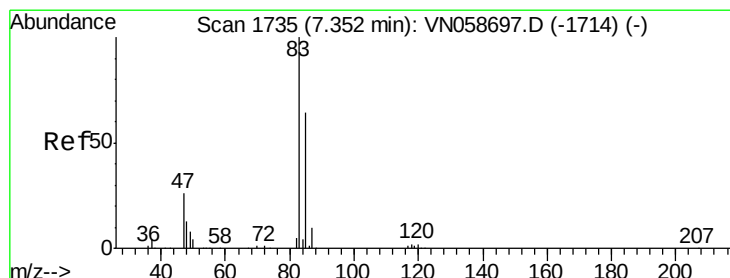
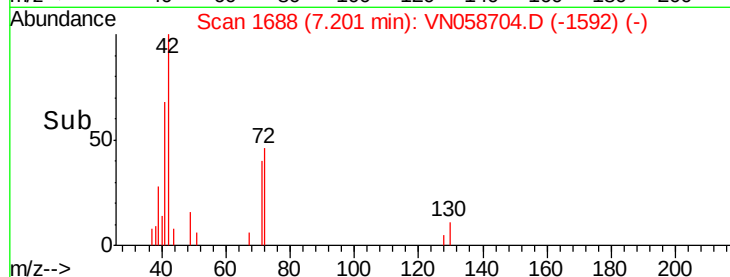
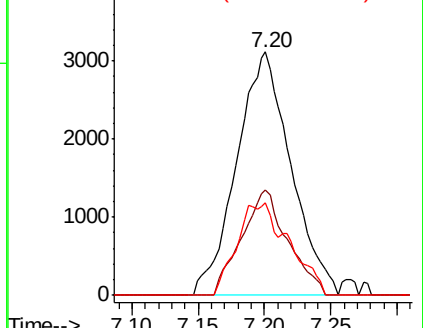
71 15.3 31.1 46.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.910 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.01 min

Lab File: VN058704.D

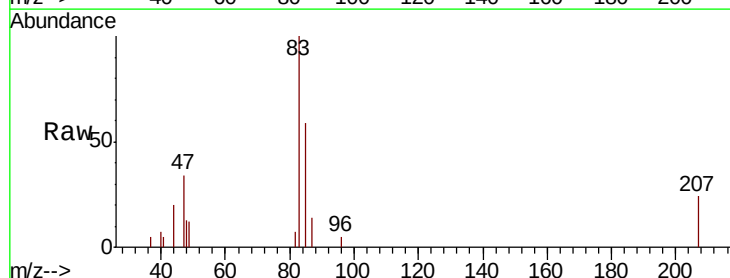
Acq: 11 Oct 2019 15:36

Tgt Ion: 83 Resp: 8374

Ion Ratio Lower Upper

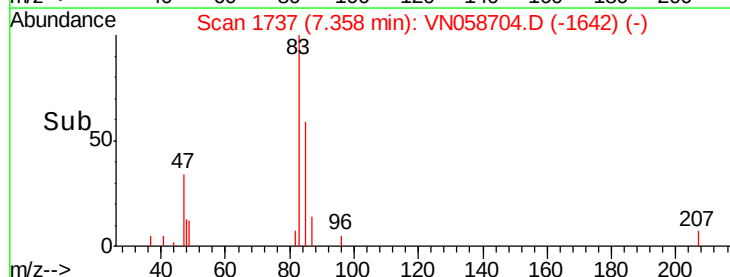
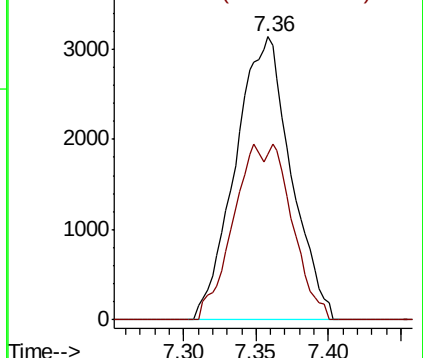
83 100

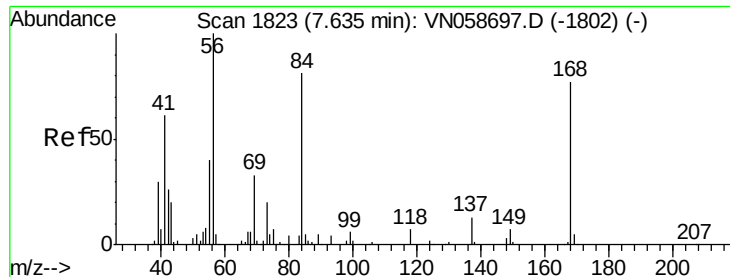
85 58.7 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

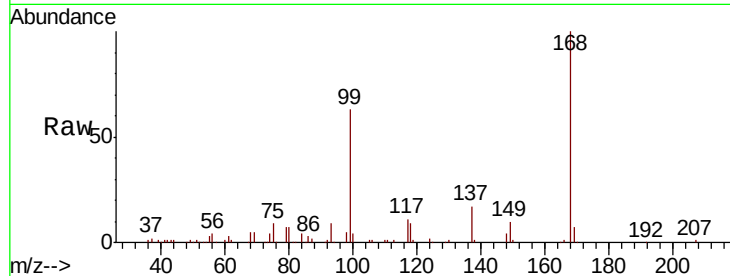




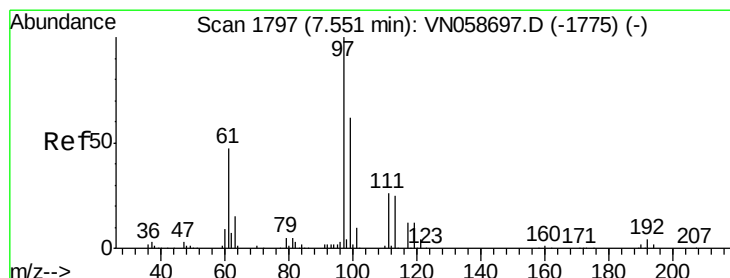
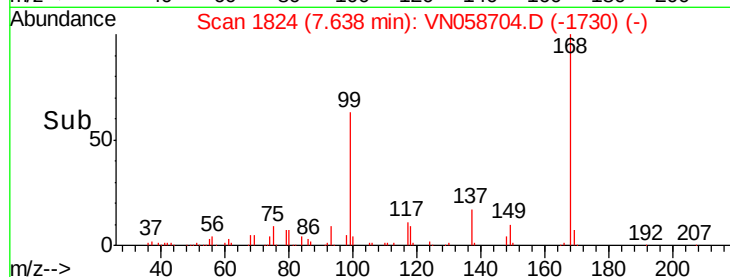
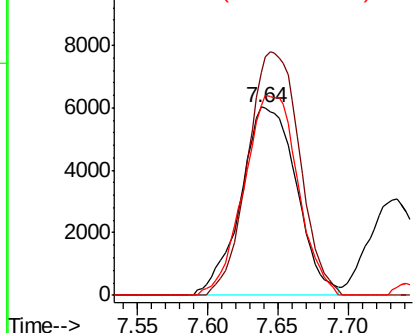
#31
Cyclohexane
Concen: 1.893 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 16588
Ion Ratio Lower Upper
56 100
69 118.7 26.2 39.4#
84 101.2 64.9 97.3#

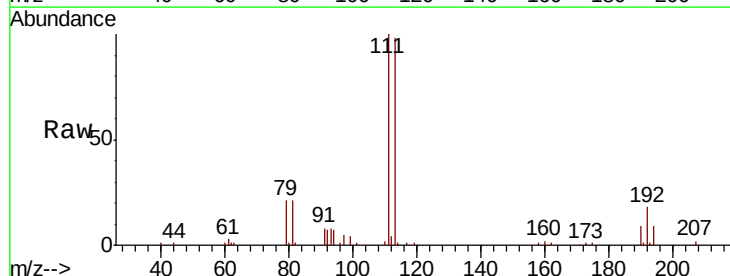


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

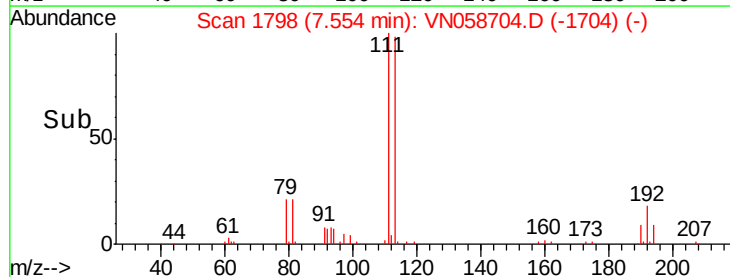
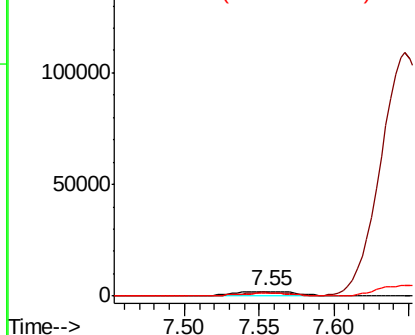


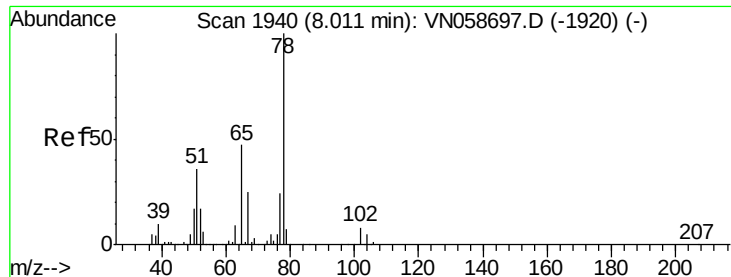
#32
1,1,1-Trichloroethane
Concen: 0.798 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 97 Resp: 6263
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 52.1 38.1 57.1



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

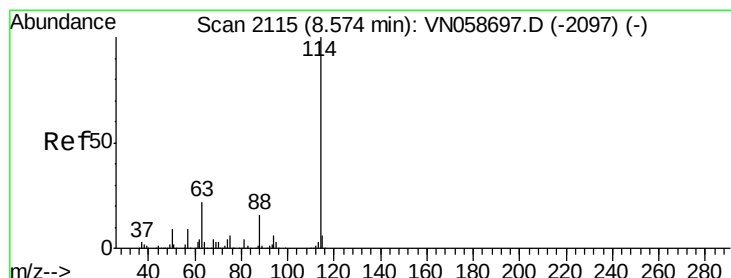
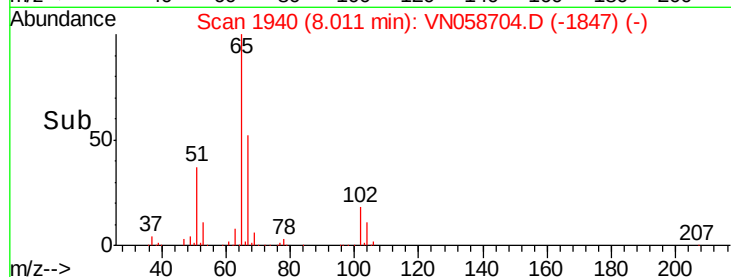
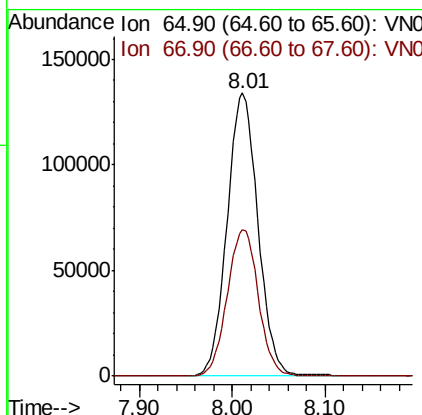
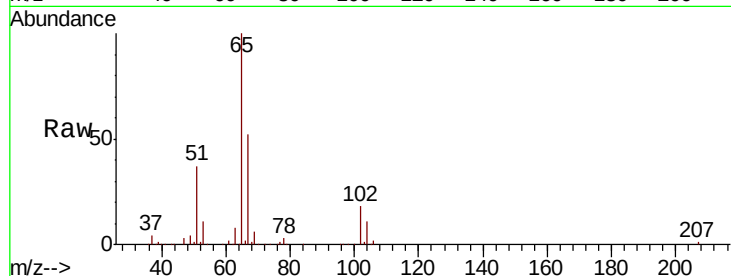




#33
 1,2-Dichloroethane-d4
 Concen: 51.929 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

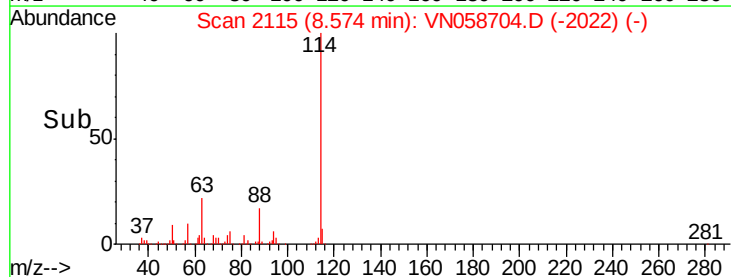
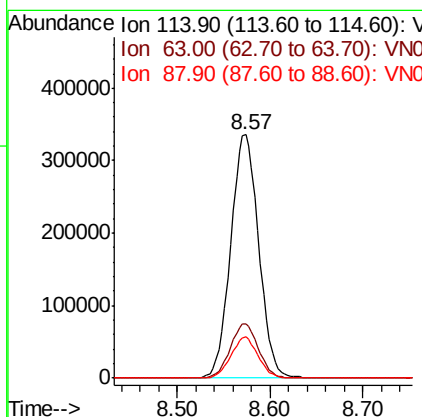
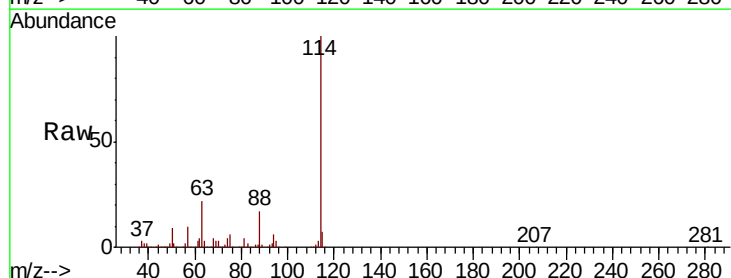
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

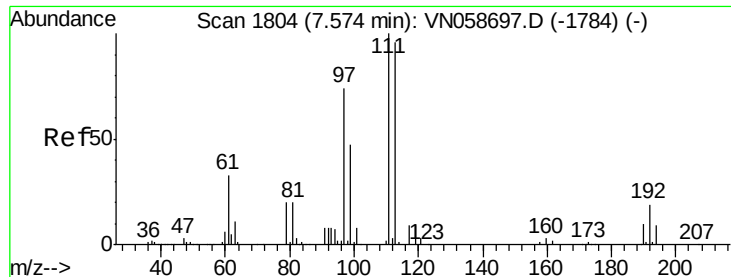
Tot Ion: 65 Resp: 310278
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion: 114 Resp: 702554
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.8 0.0 32.0

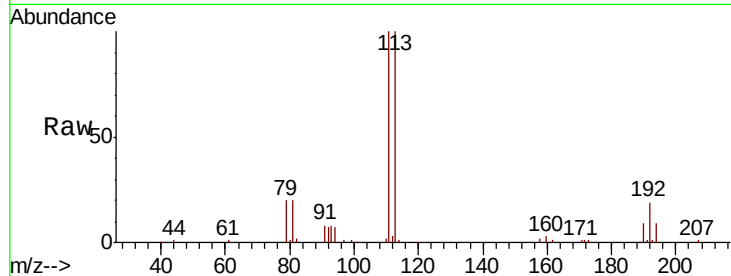




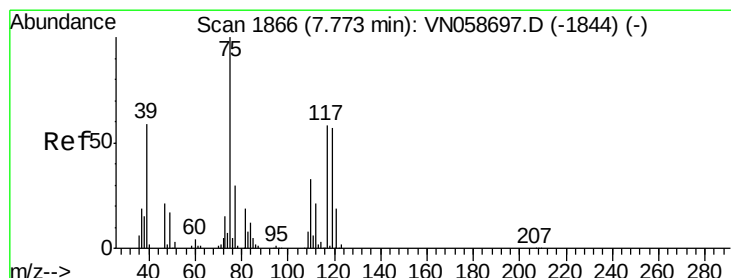
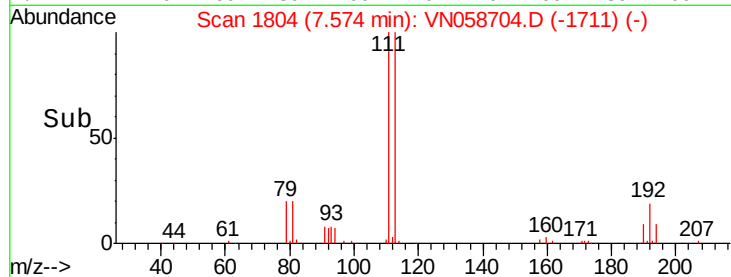
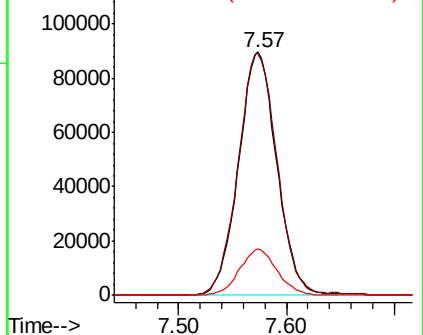
#35
 Dibromofluoromethane
 Concen: 50.855 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.3	123.5
192	18.8	15.0	22.6

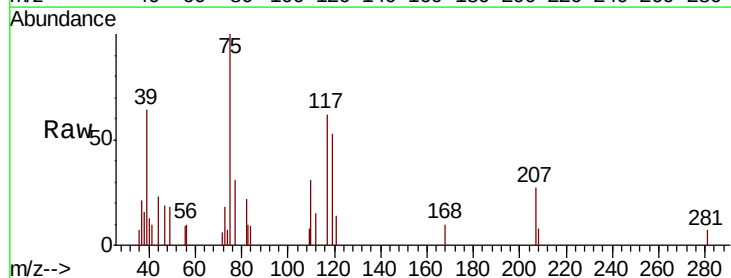


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

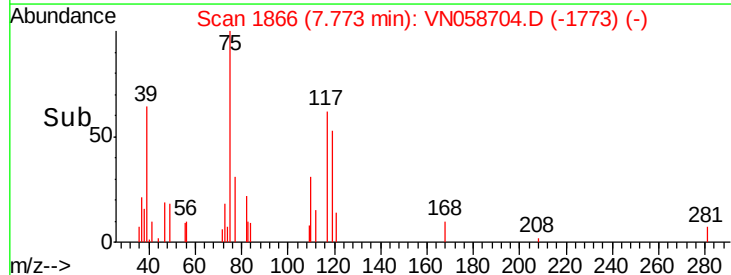
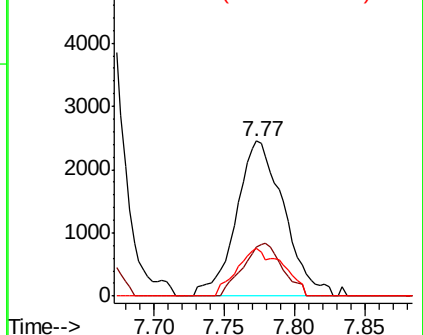


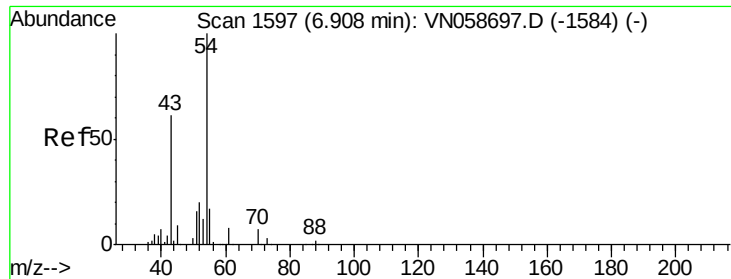
#36
 1,1-Dichloropropene
 Concen: 0.818 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.6	49.8
77	29.4	24.6	37.0



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

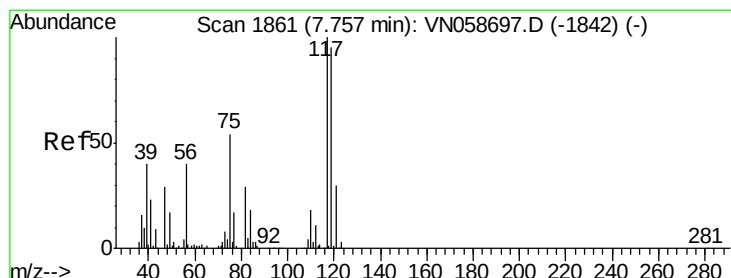
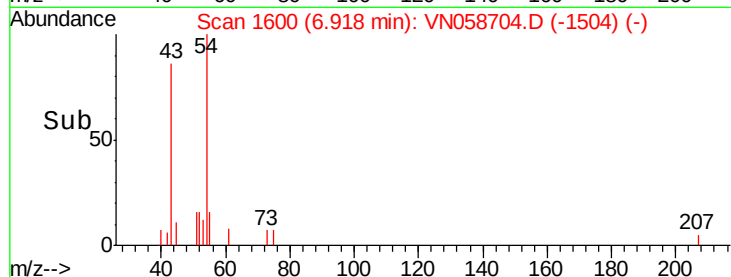
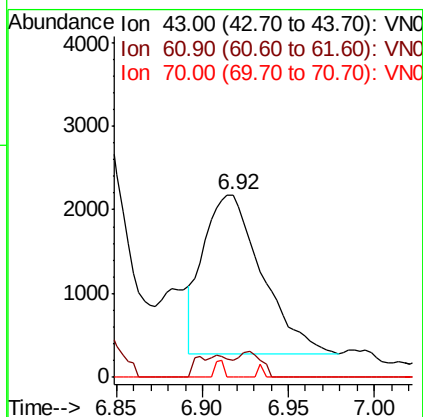
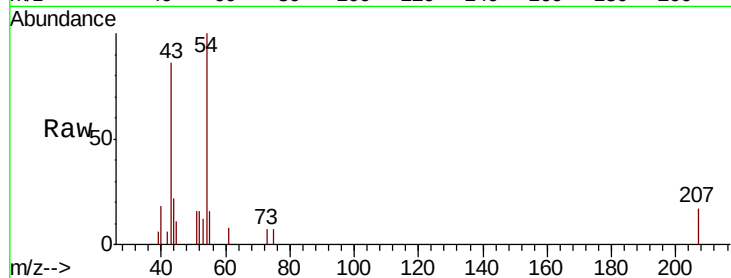




#37
Ethyl Acetate
Concen: 0.622 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

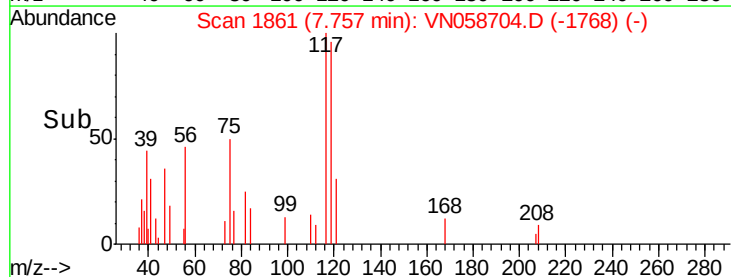
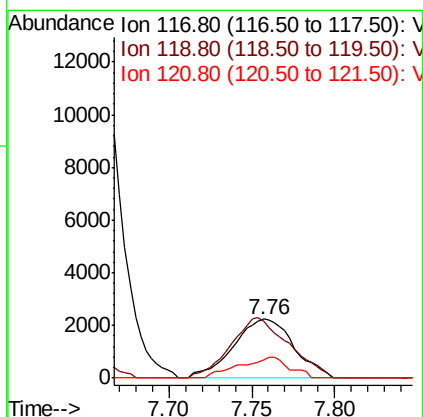
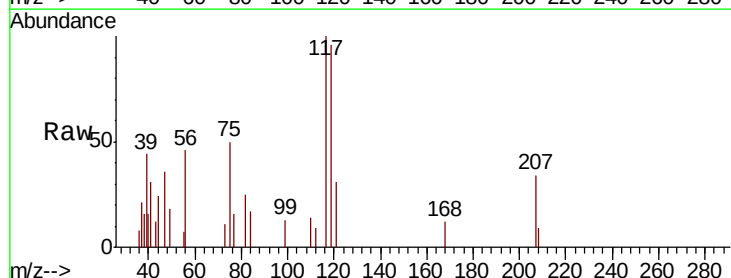
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

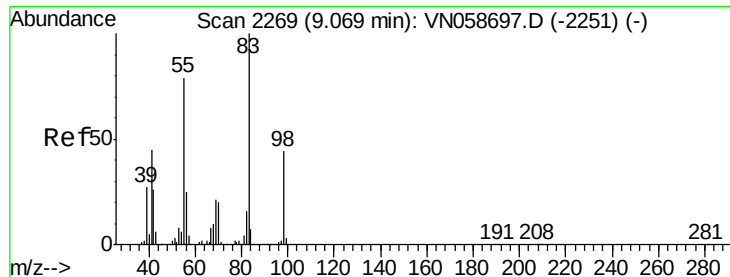
Tot Ion: 43 Resp: 4471
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 1.7 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 0.822 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 117 Resp: 5692
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5
121 30.5 23.9 35.9

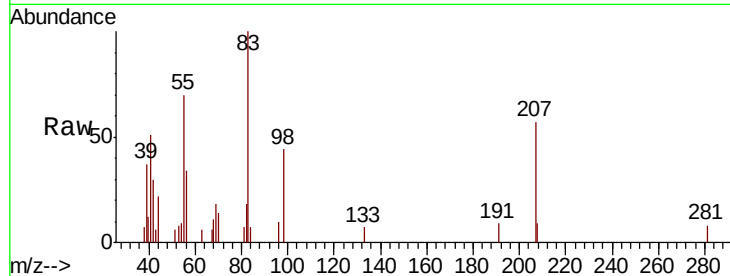




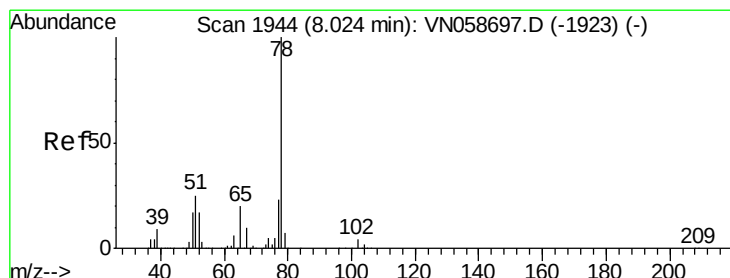
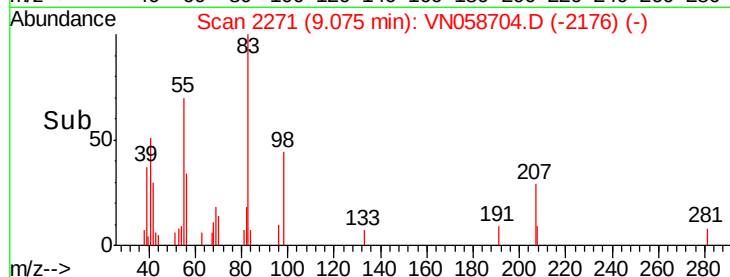
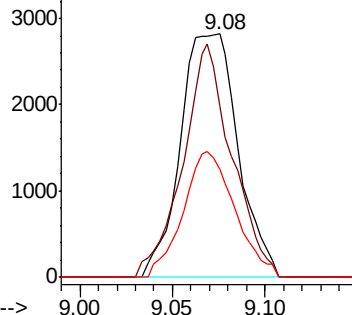
#39
Methylvlcyclohexane
Concen: 0.739 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 83 Resp: 6090
Ion Ratio Lower Upper
83 100
55 70.2 63.4 95.0
98 44.1 35.1 52.7

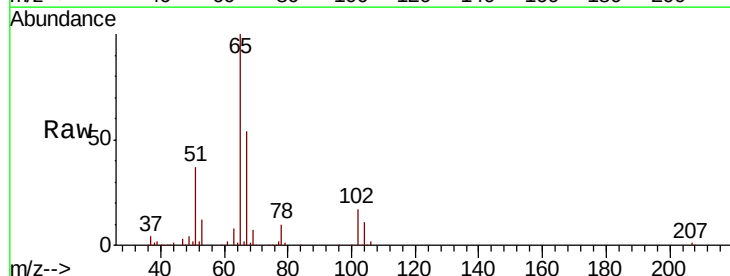


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

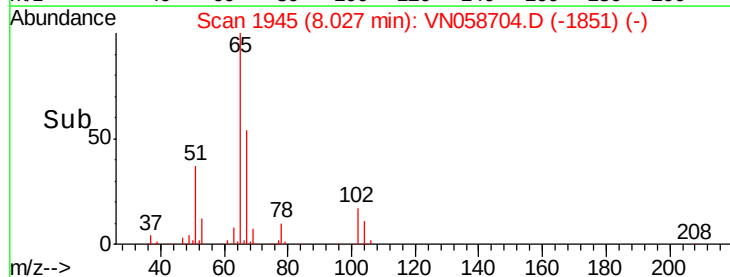
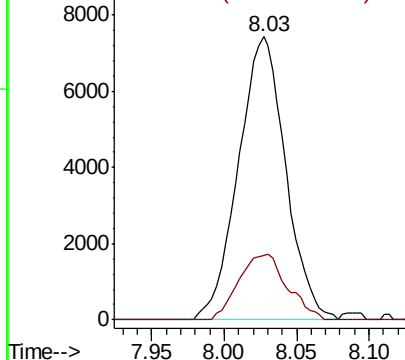


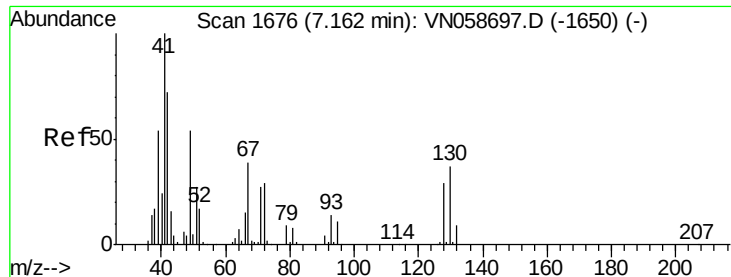
#40
Benzene
Concen: 0.825 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 78 Resp: 16839
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

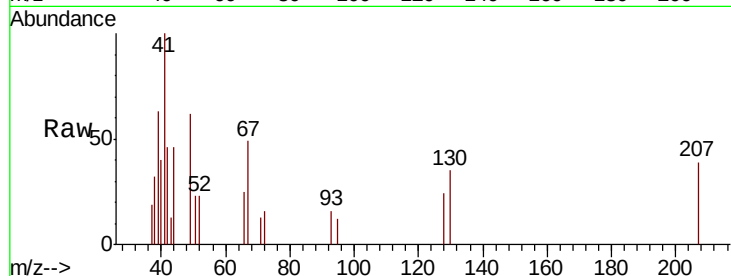




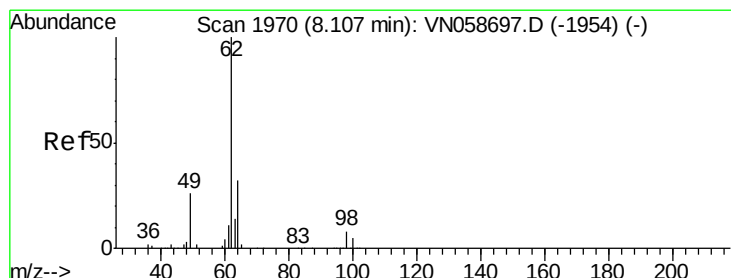
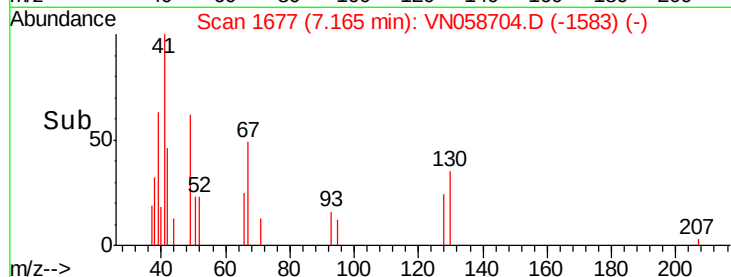
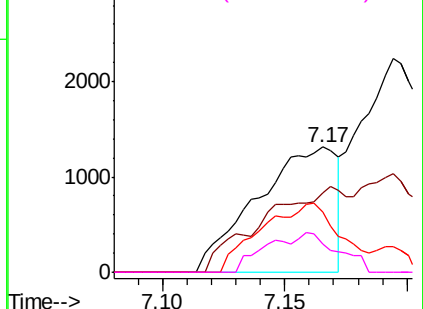
#41
Methacrylonitrile
Concen: 0.892 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 41 Resp: 2999
Ion Ratio Lower Upper
41 100
39 69.4 115.4 173.2#
67 54.5 0.0 0.0#
52 15.9 0.0 0.0#

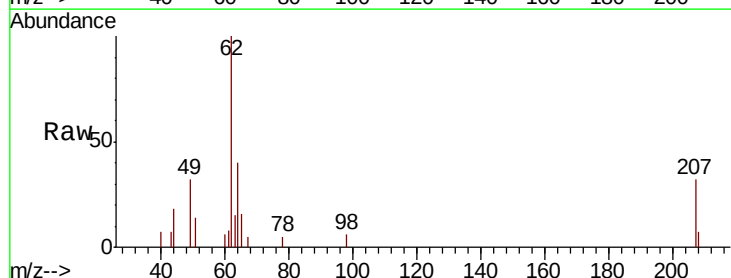


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

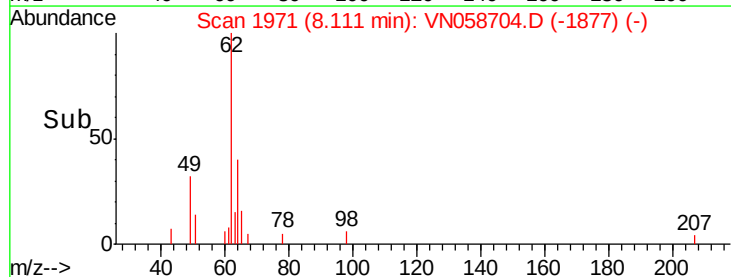
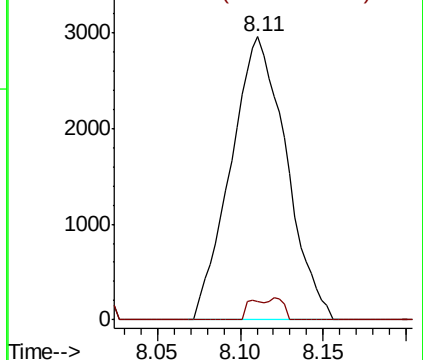


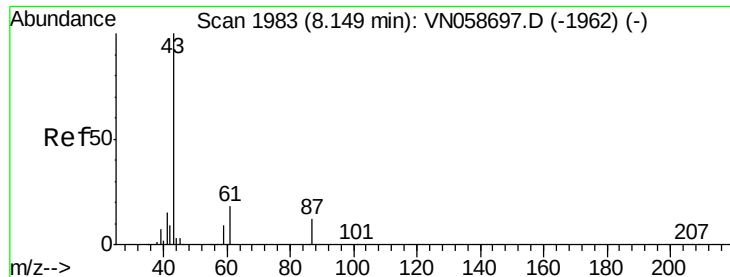
#42
1,2-Dichloroethane
Concen: 0.879 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 62 Resp: 6889
Ion Ratio Lower Upper
62 100
98 2.1 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 0.759 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

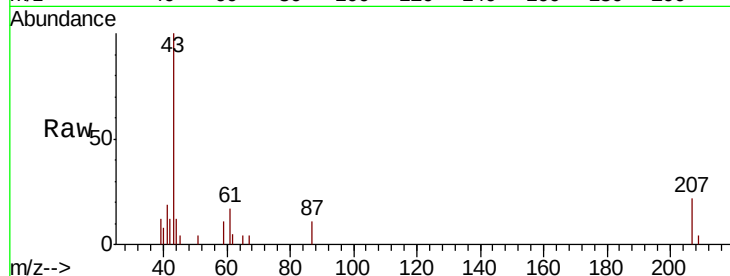
Tot Ion: 43 Resp: 9287

Ion Ratio Lower Upper

43 100

61 18.1 20.3 30.5#

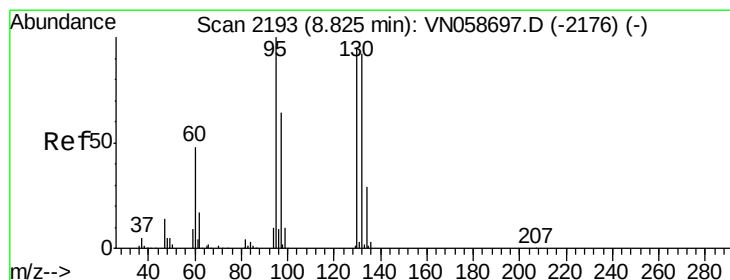
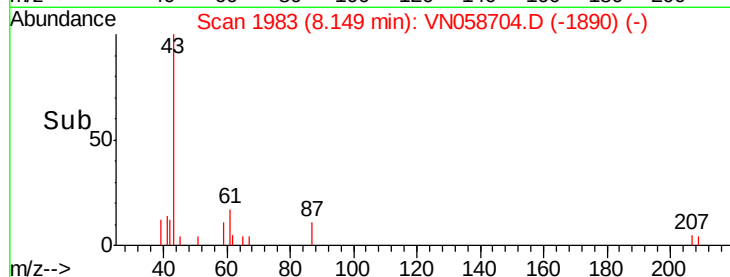
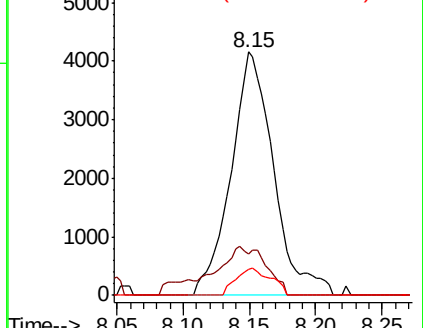
87 9.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VN058704.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058704.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058704.D (-1890) (-)



#44

Trichloroethene

Concen: 0.832 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058704.D

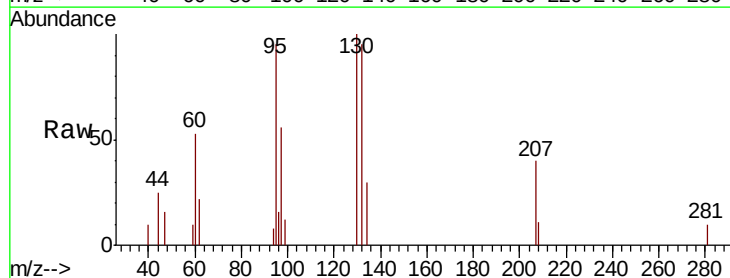
Acq: 11 Oct 2019 15:36

Tgt Ion: 130 Resp: 4217

Ion Ratio Lower Upper

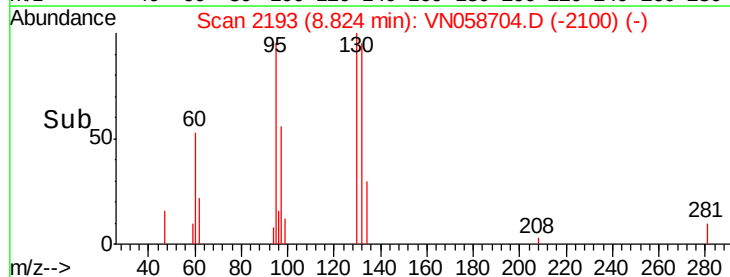
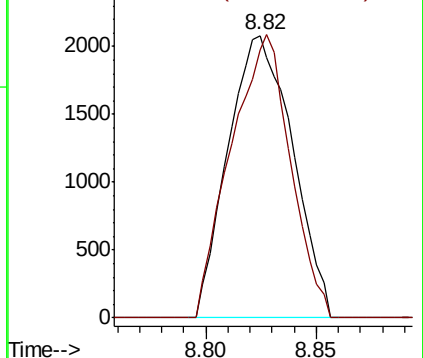
130 100

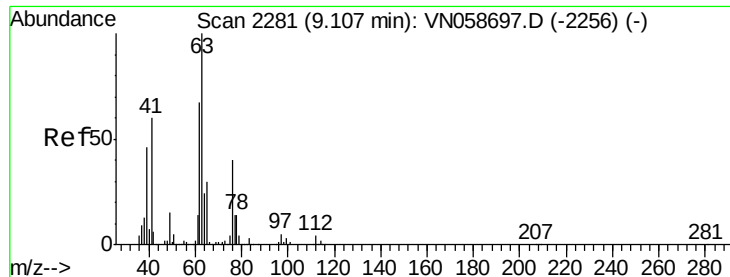
95 94.9 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058704.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058704.D (-2100) (-)

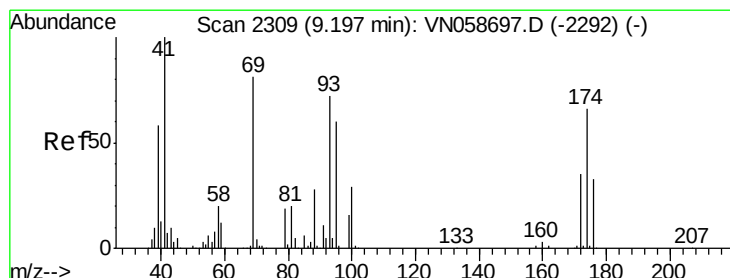
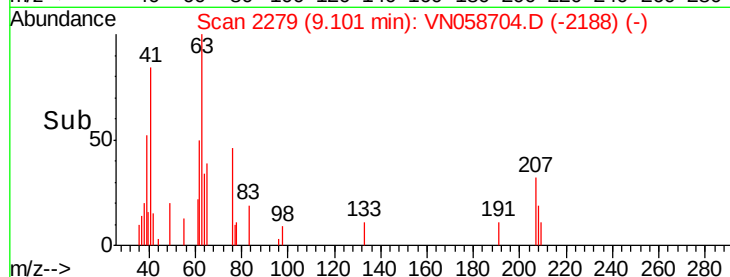
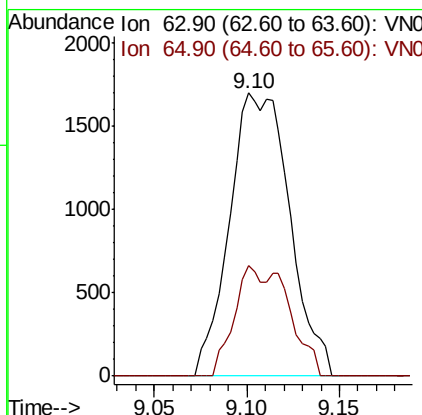
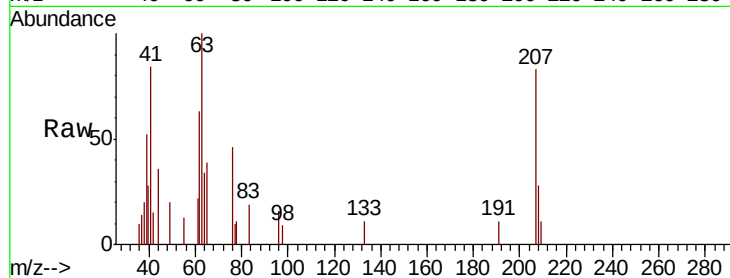




#45
 1,2-Dichloropropane
 Concen: 0.700 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

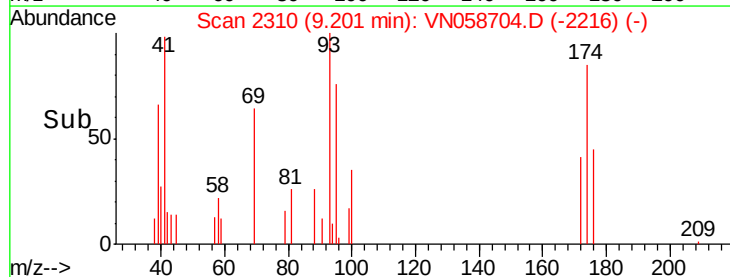
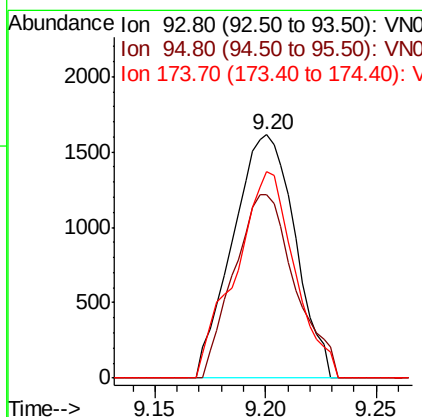
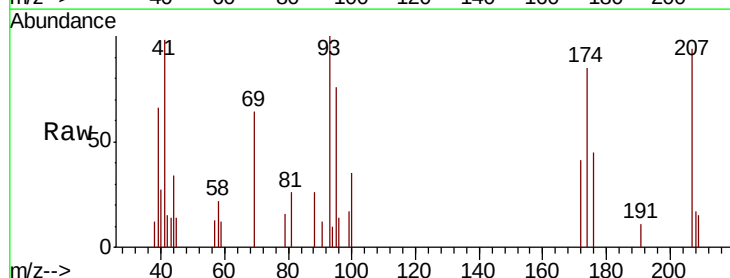
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

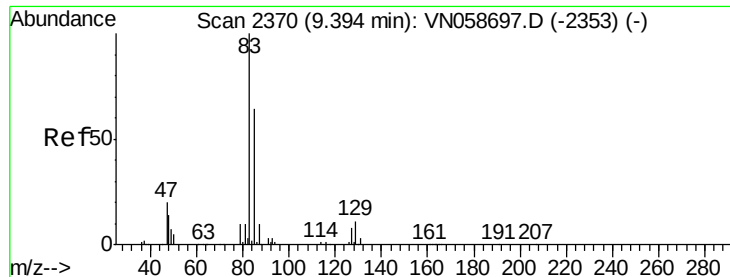
Tot Ion: 63 Resp: 3824
 Ion Ratio Lower Upper
 63 100
 65 39.0 24.1 36.1#



#46
 Dibromomethane
 Concen: 0.911 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion: 93 Resp: 3155
 Ion Ratio Lower Upper
 93 100
 95 74.2 66.6 100.0
 174 80.6 75.2 112.8





#47

Bromodichloromethane

Concen: 0.775 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

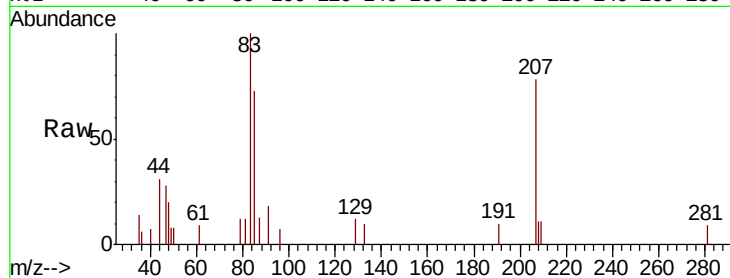
Tot Ion: 83 Resp: 5462

Ion Ratio Lower Upper

83 100

85 72.9 50.9 76.3

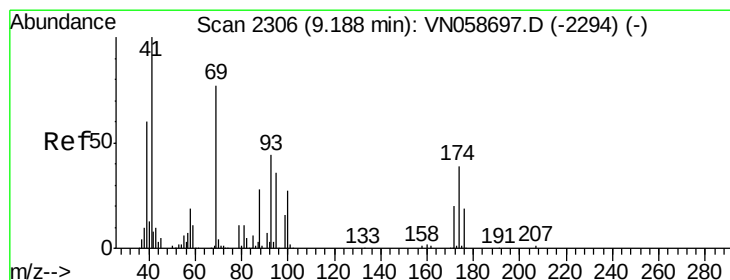
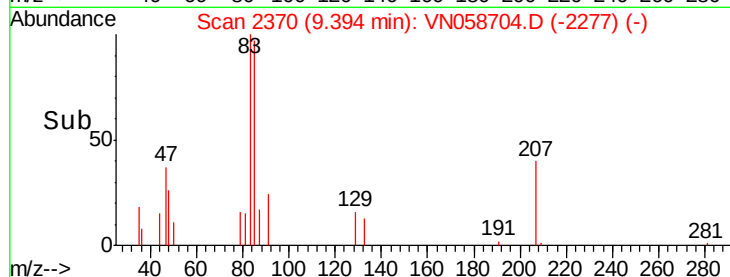
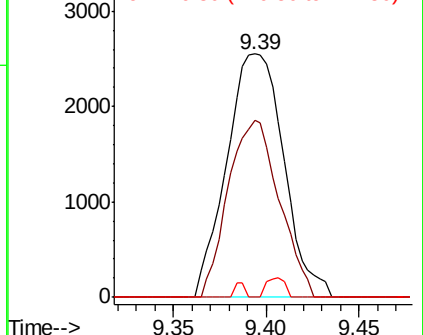
127 0.0 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.757 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

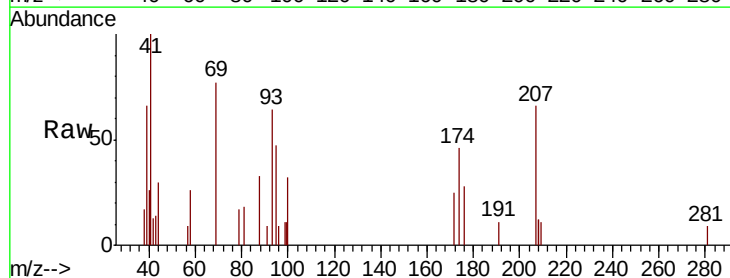
Tgt Ion: 41 Resp: 4199

Ion Ratio Lower Upper

41 100

69 73.4 63.4 95.2

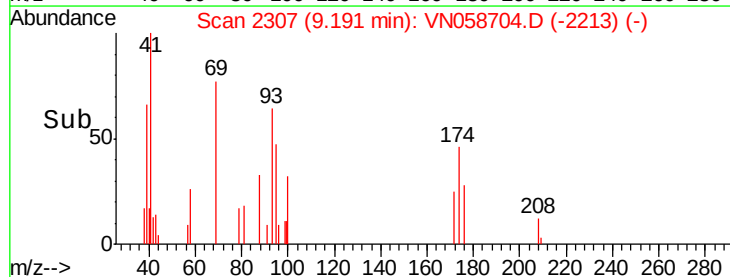
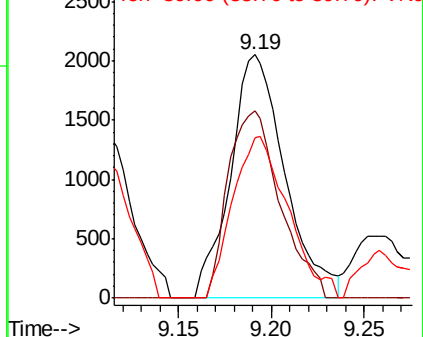
39 66.9 48.9 73.3

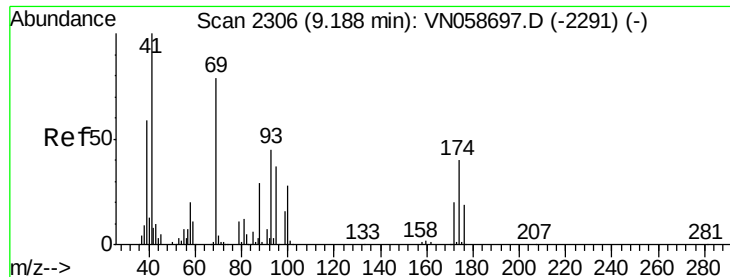


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

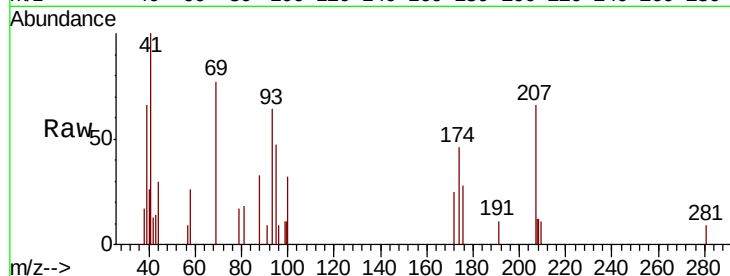




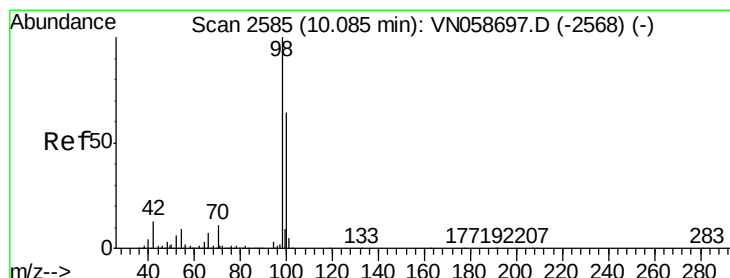
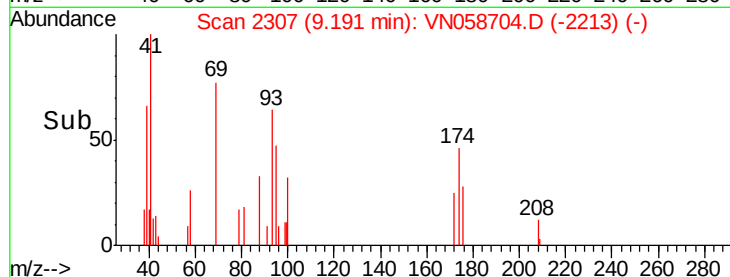
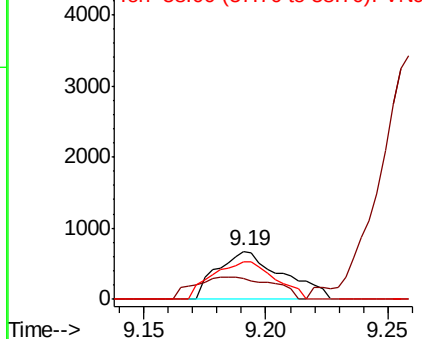
#49
1,4-Dioxane
Concen: 14.554 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 88 Resp: 1249
Ion Ratio Lower Upper
88 100
43 56.0 28.6 43.0#
58 75.3 57.2 85.8

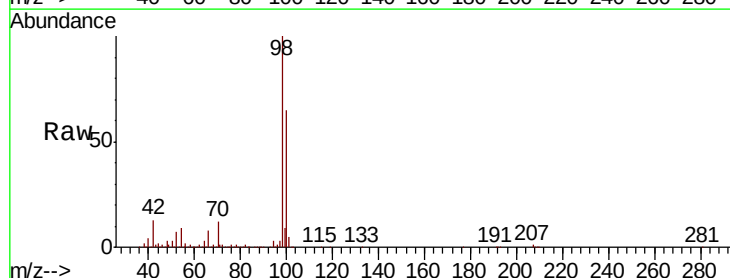


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

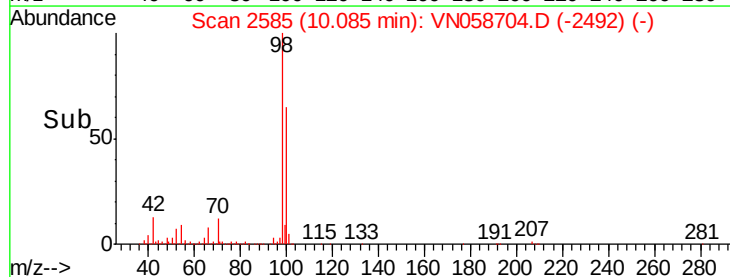
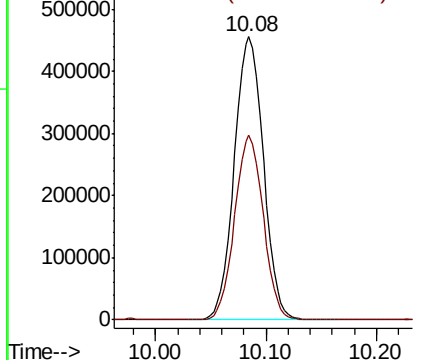


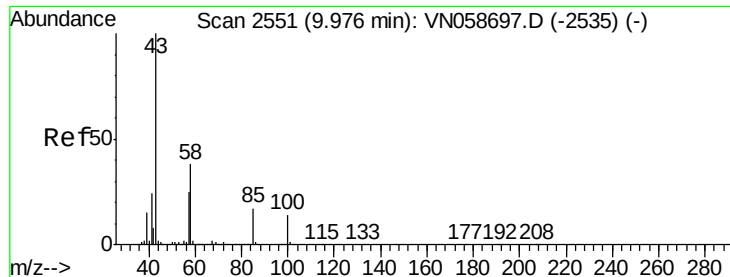
#50
Toluene-d8
Concen: 48.134 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 98 Resp: 835284
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 3.635 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

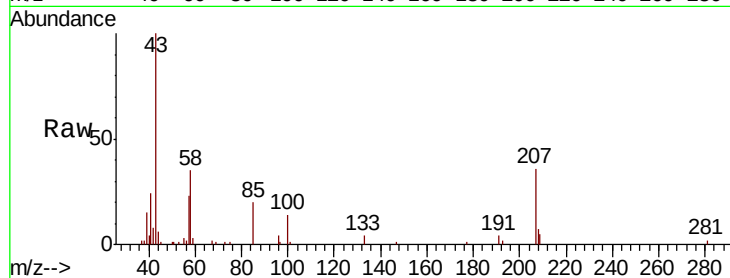
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 24982

Ion Ratio Lower Upper

43 100

58 36.3 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

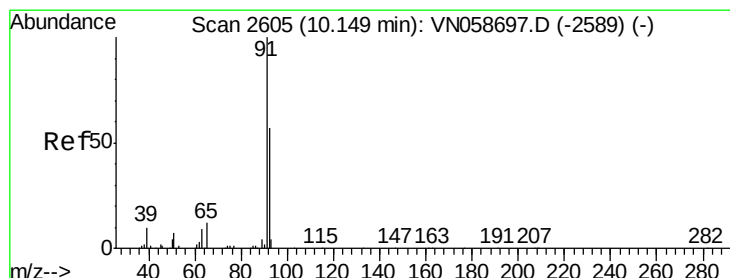
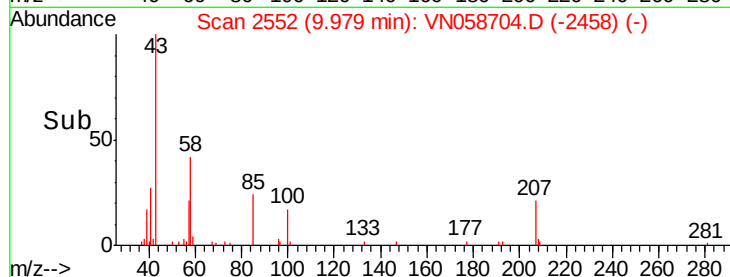
10000

5000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 0.778 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058704.D

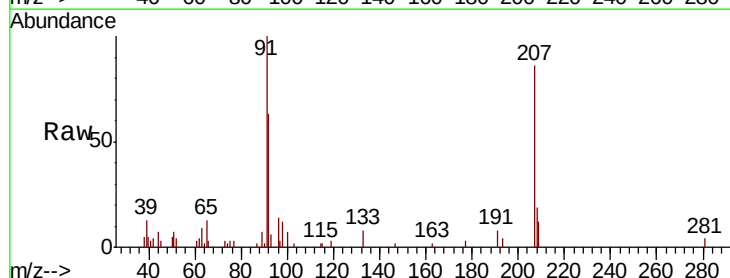
Acq: 11 Oct 2019 15:36

Tgt Ion: 92 Resp: 9709

Ion Ratio Lower Upper

92 100

91 174.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10000

8000

6000

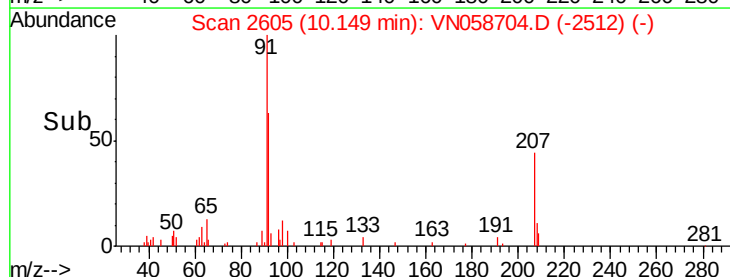
4000

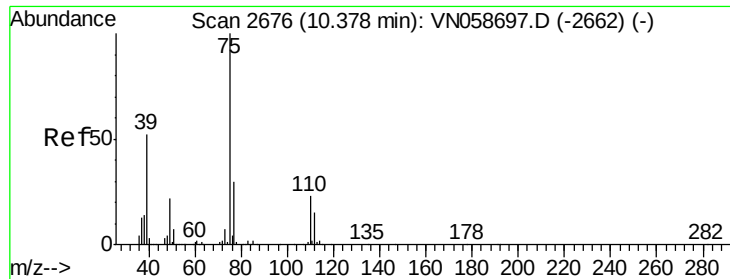
2000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.696 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

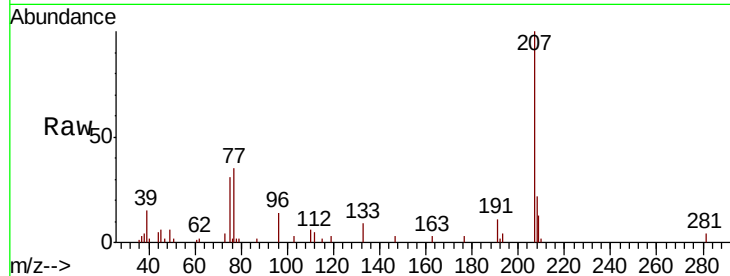
LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 5627

Ion Ratio Lower Upper

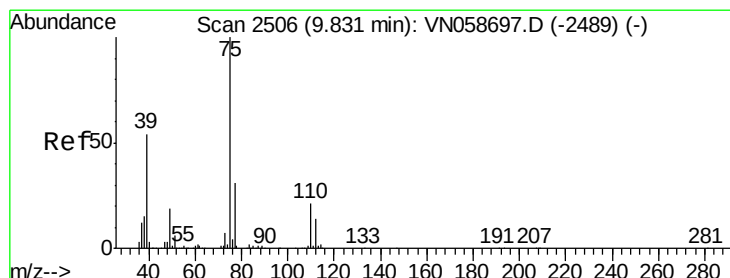
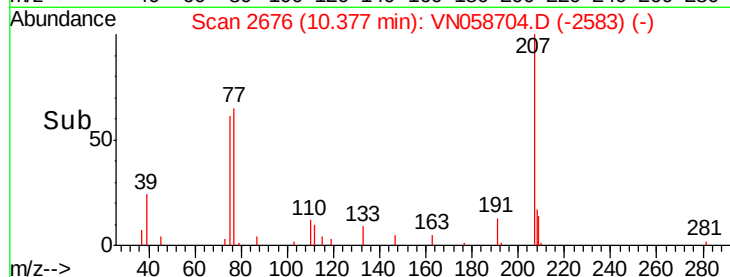
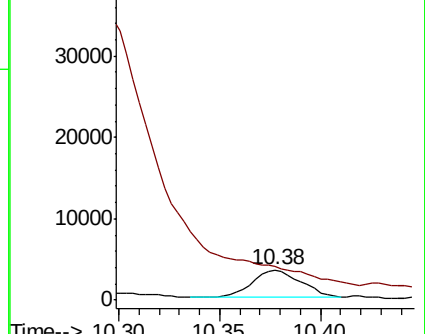
75 100

77 55.2 26.2 39.4#



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: 0.764 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

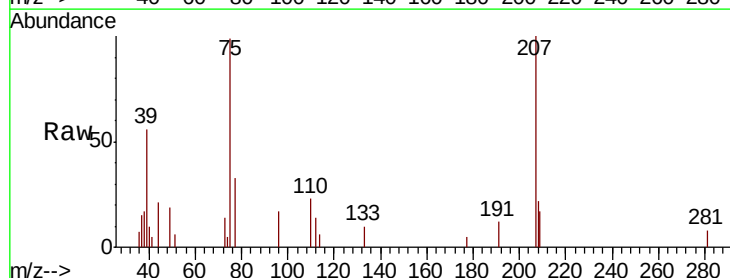
Tgt Ion: 75 Resp: 6558

Ion Ratio Lower Upper

75 100

77 33.9 24.4 36.6

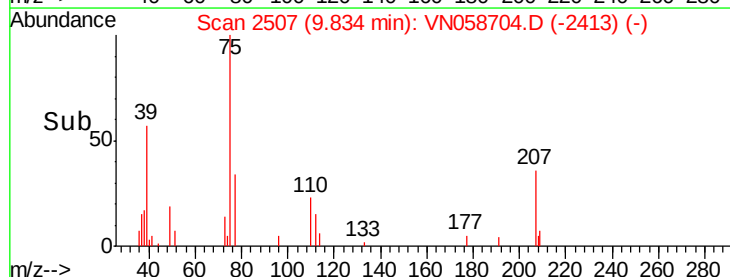
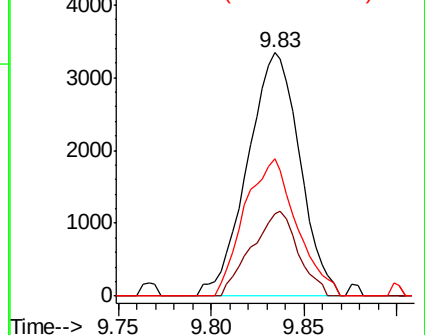
39 56.7 43.1 64.7

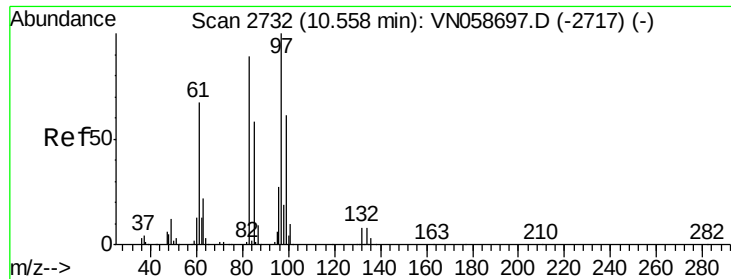


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.769 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 97 Resp: 3926

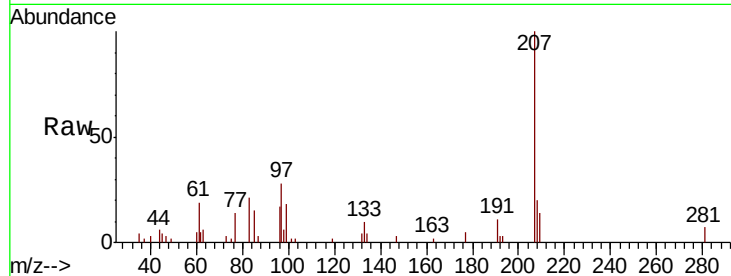
Ion Ratio Lower Upper

97 100

83 76.1 71.2 106.8

85 54.4 46.7 70.1

99 63.8 49.0 73.6

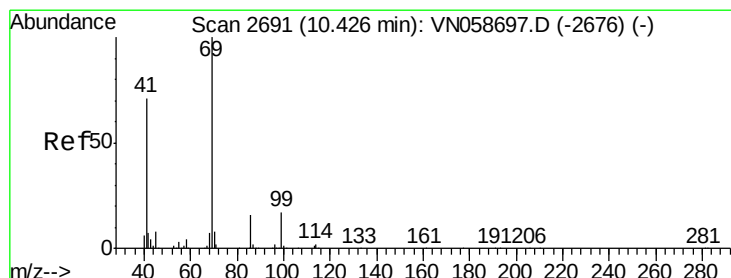
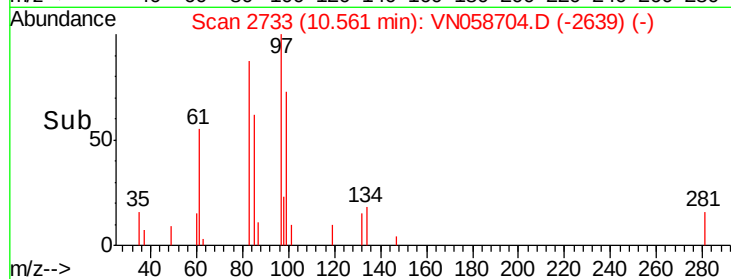
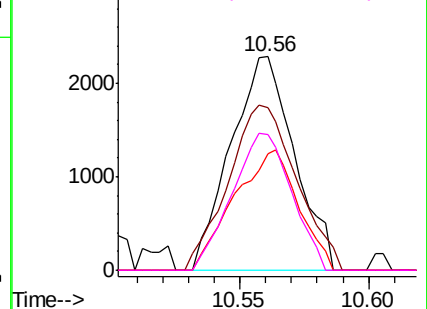


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.668 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

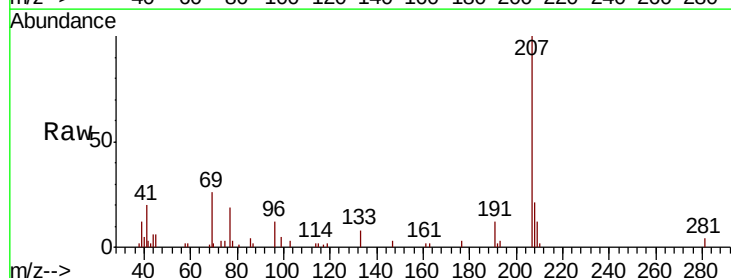
Tgt Ion: 69 Resp: 4981

Ion Ratio Lower Upper

69 100

41 85.8 56.8 85.2#

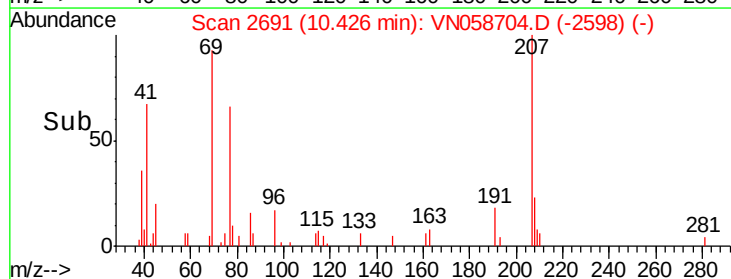
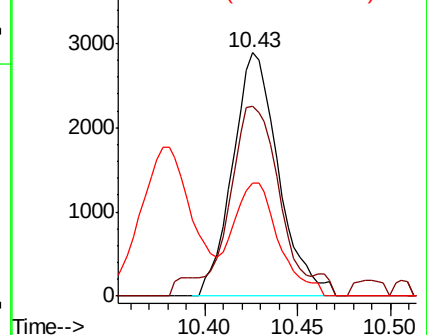
39 46.5 32.5 48.7

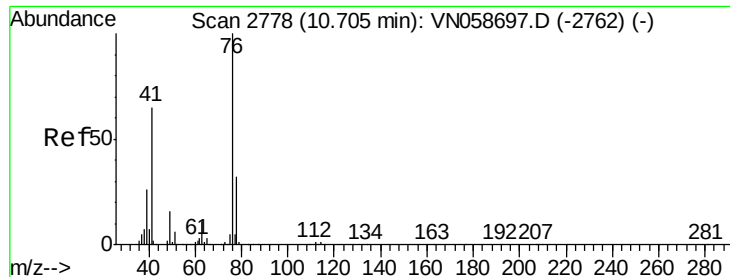


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.802 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

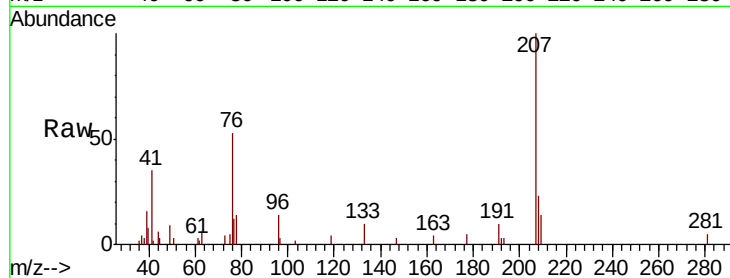
LOQ-WATER-02-QT4-2019

Tot Ion: 76 Resp: 6976

Ion Ratio Lower Upper

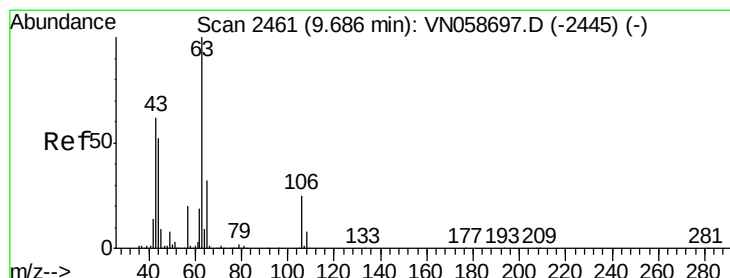
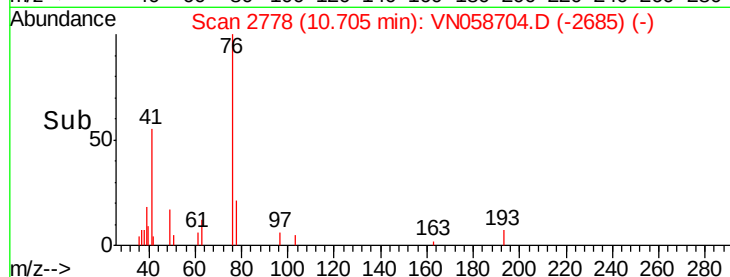
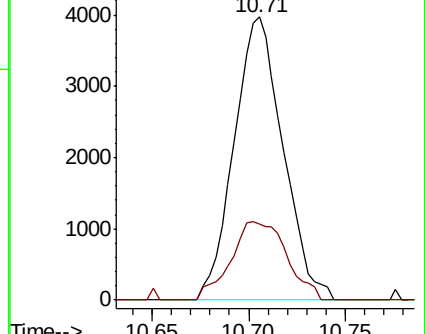
76 100

78 31.7 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.234 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058704.D

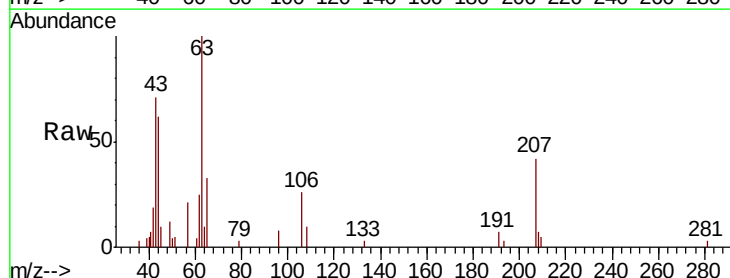
Acq: 11 Oct 2019 15:36

Tgt Ion: 63 Resp: 11629

Ion Ratio Lower Upper

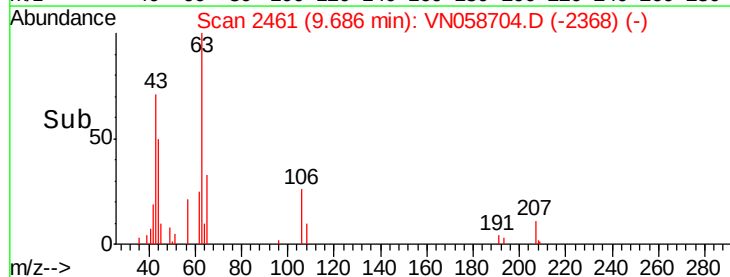
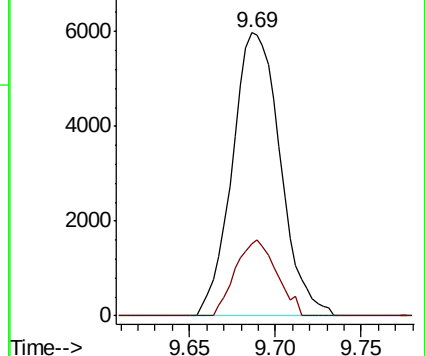
63 100

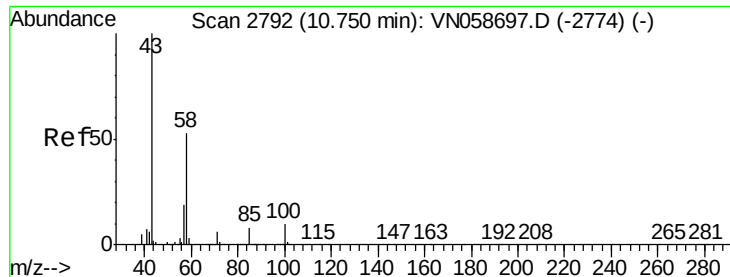
106 23.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

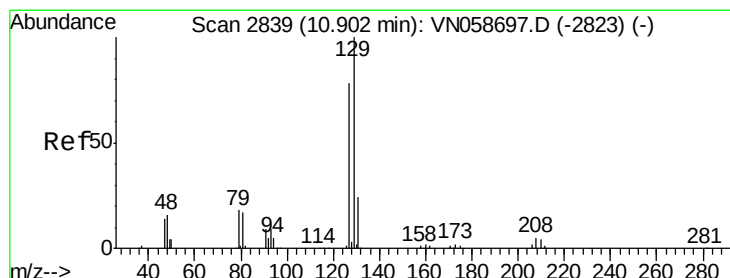
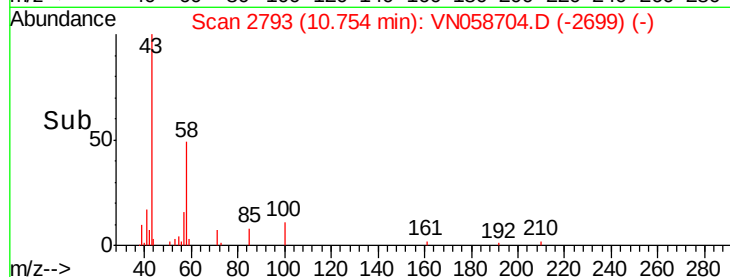
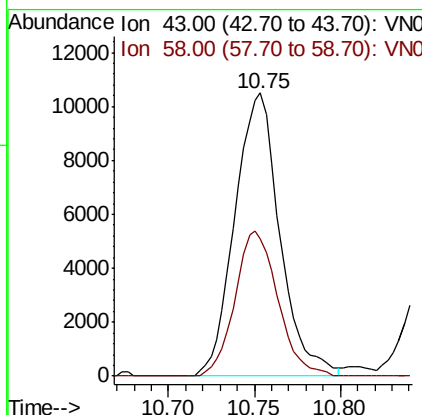
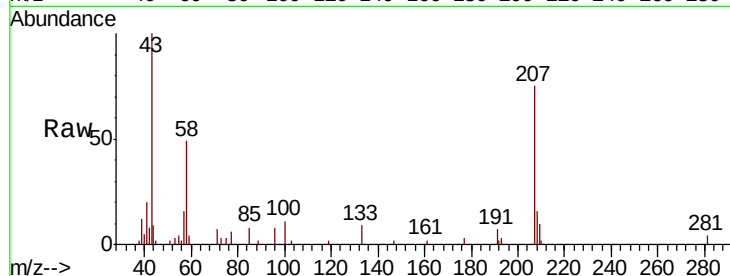




#59
 2-Hexanone
 Concen: 3.597 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

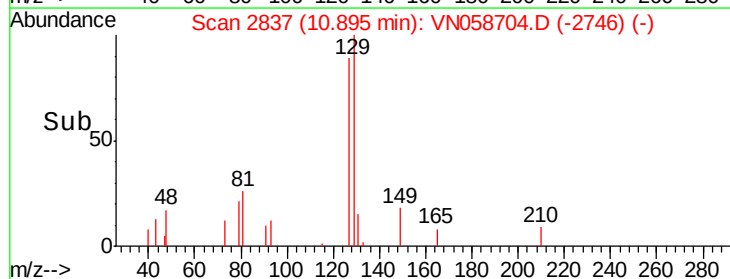
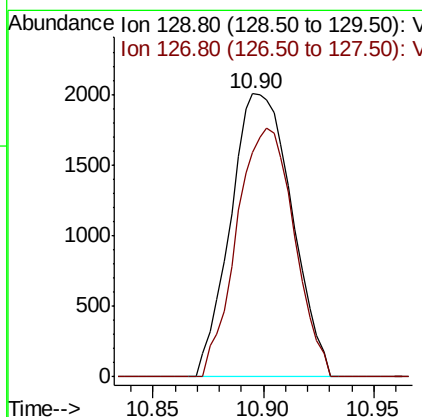
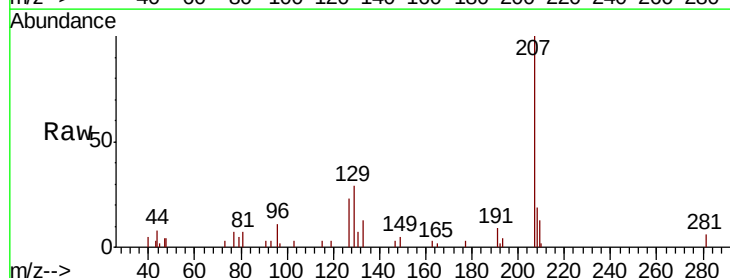
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

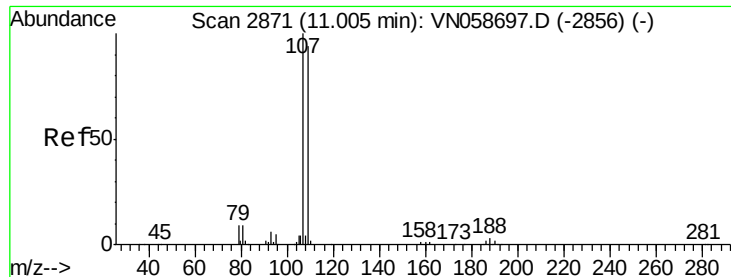
Tot Ion: 43 Resp: 19104
 Ion Ratio Lower Upper
 43 100
 58 48.6 26.1 78.3



#60
 Dibromochloromethane
 Concen: 0.734 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion: 129 Resp: 3867
 Ion Ratio Lower Upper
 129 100
 127 82.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 0.784 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

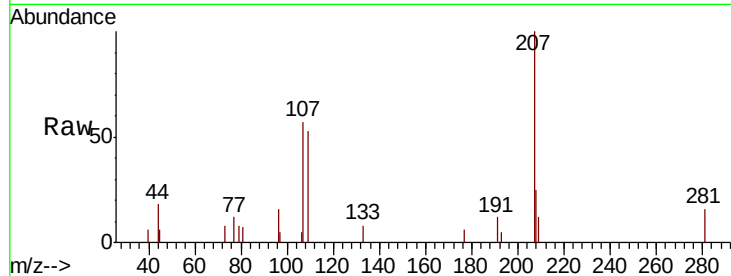
LOQ-WATER-02-QT4-2019

Tot Ion: 107 Resp: 4011

Ion Ratio Lower Upper

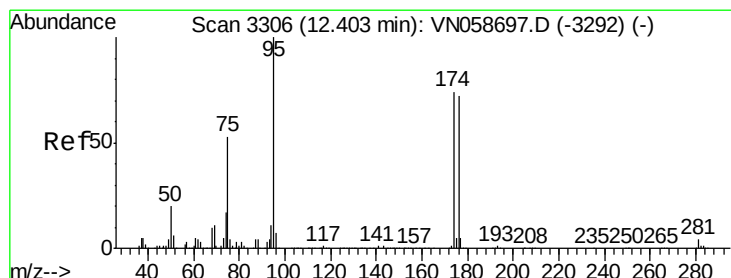
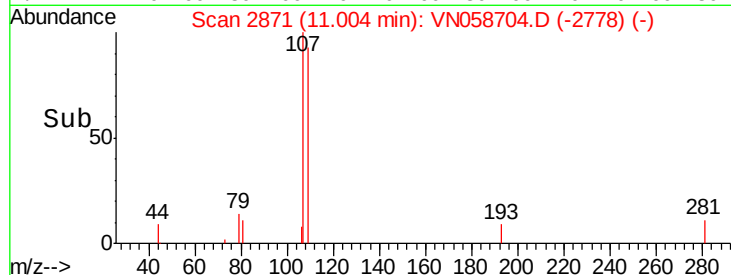
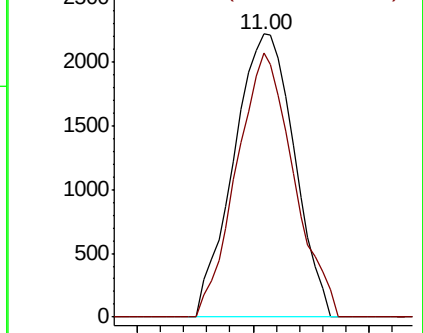
107 100

109 88.0 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.653 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

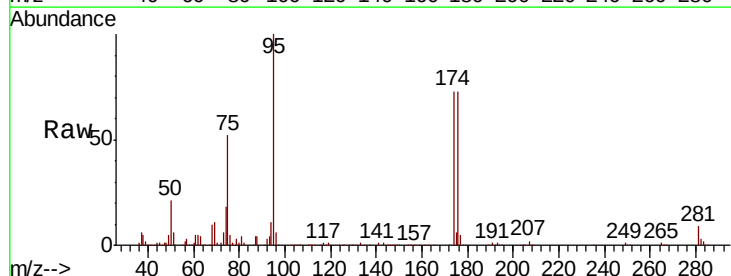
Tgt Ion: 95 Resp: 293308

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.4

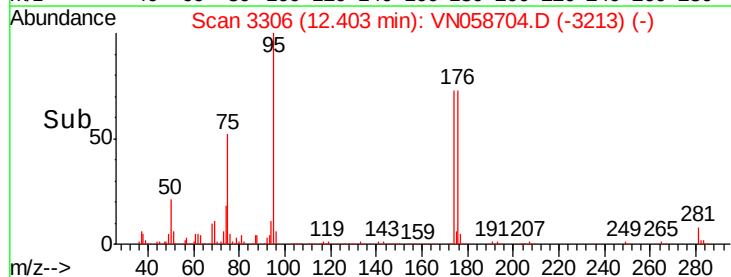
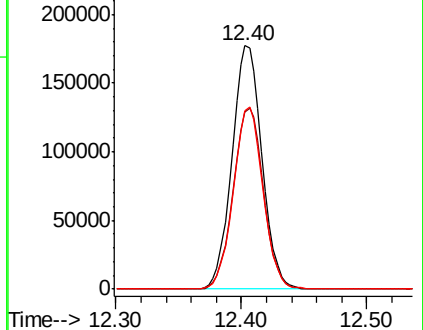
176 74.2 0.0 146.8

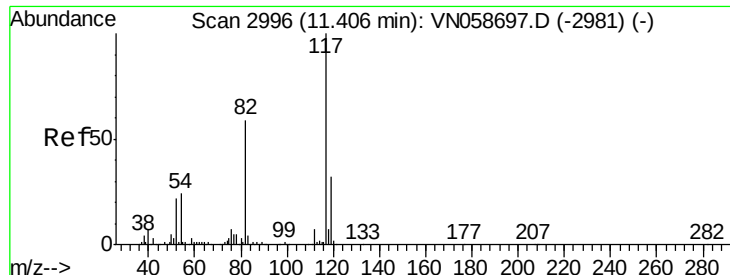


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

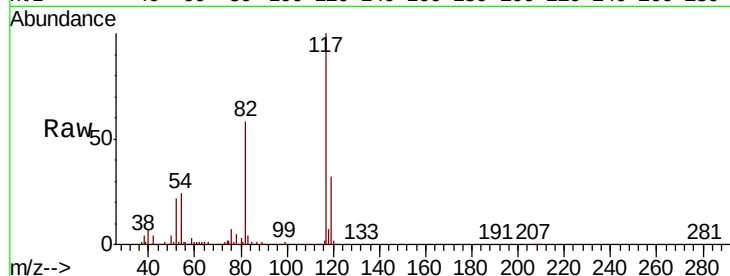




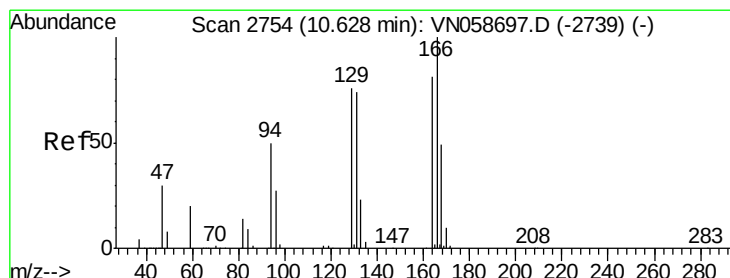
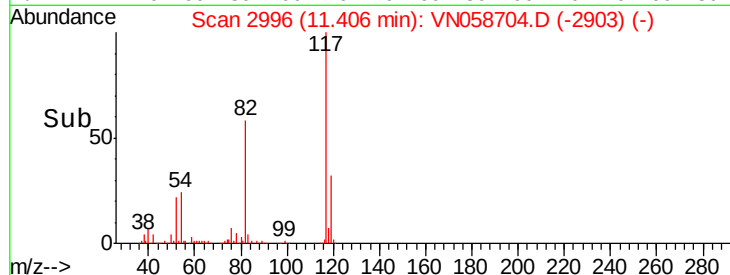
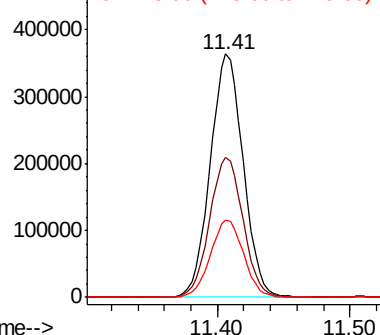
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:117 Resp: 627035
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.4
119 31.8 25.4 38.2

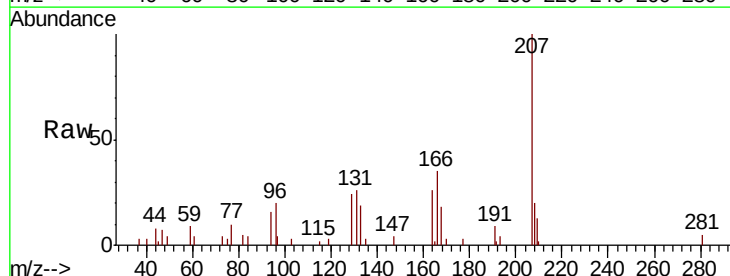


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

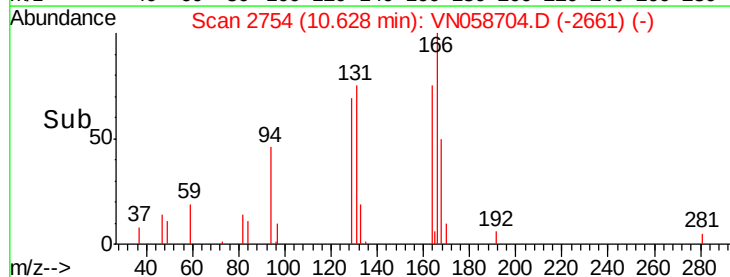
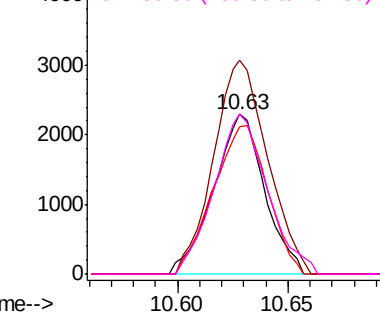


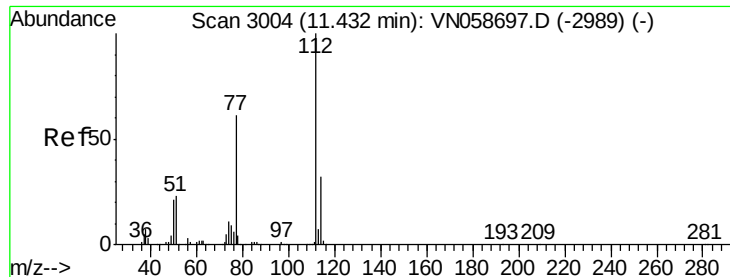
#64
Tetrachloroethene
Concen: 0.840 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion:164 Resp: 3688
Ion Ratio Lower Upper
164 100
166 134.0 99.3 148.9
129 92.5 75.2 112.8
131 100.4 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

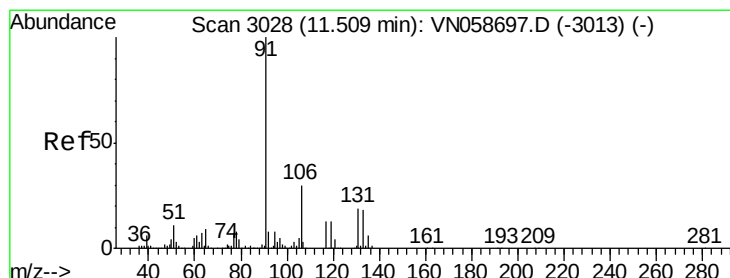
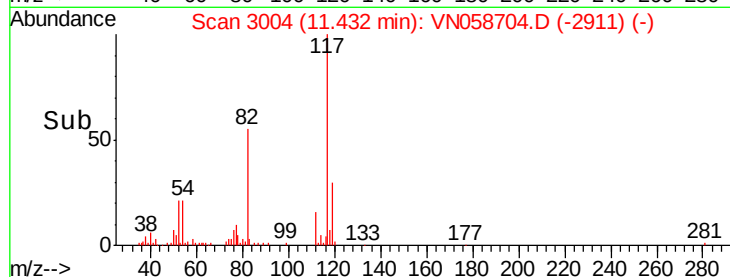
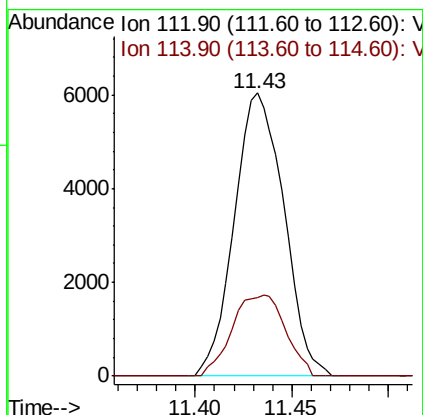
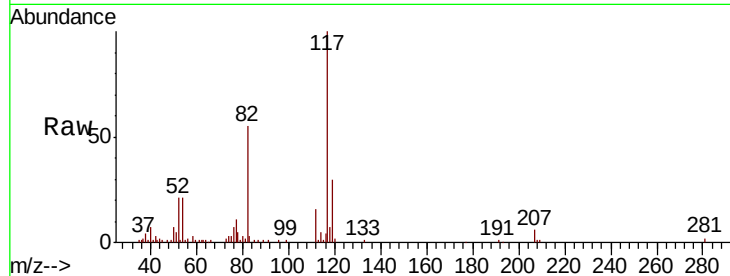




#65
Chlorobenzene
Concen: 0.845 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

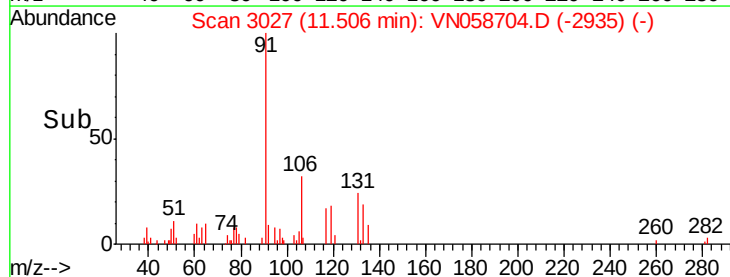
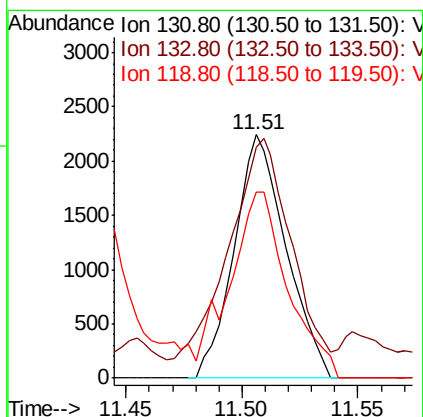
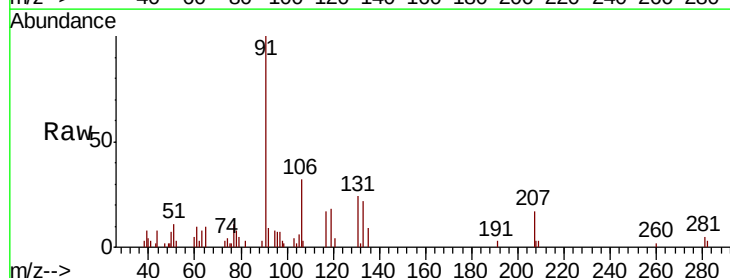
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

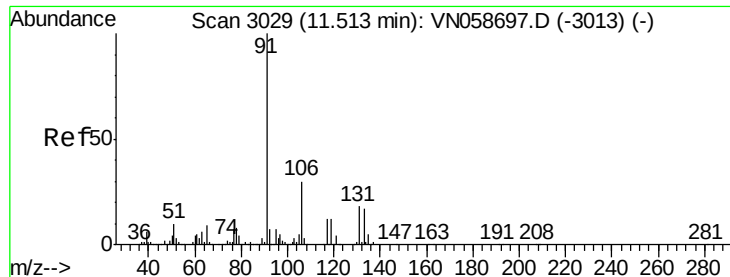
Tot Ion:112 Resp: 10757
Ion Ratio Lower Upper
112 100
114 27.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.741 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion:131 Resp: 3491
Ion Ratio Lower Upper
131 100
133 103.9 47.6 142.9
119 0.0 33.0 98.9#

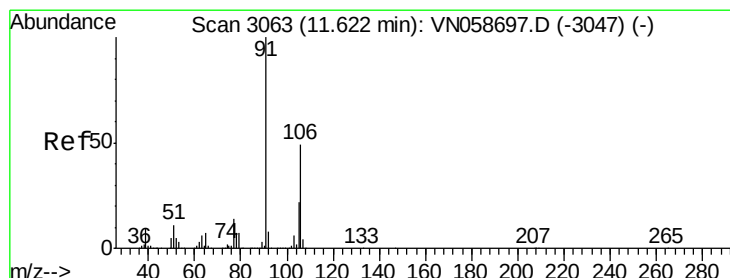
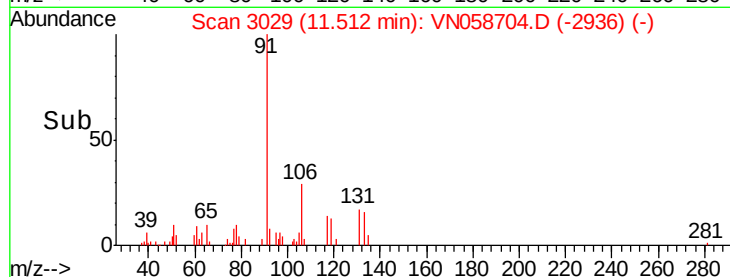
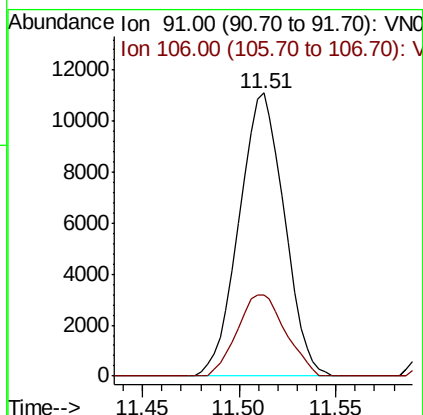
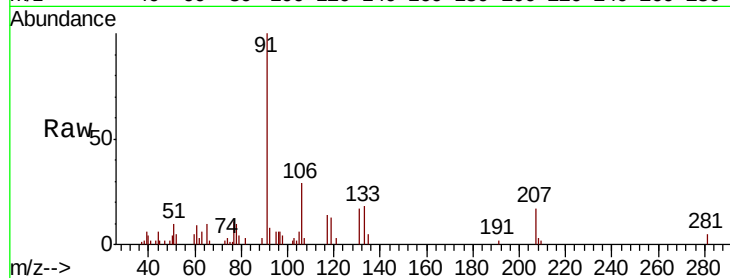




#67
Ethyl Benzene
Concen: 0.796 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

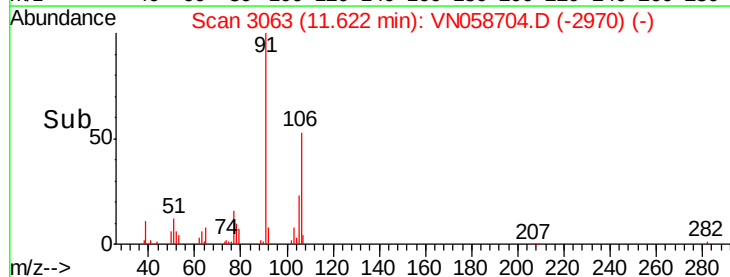
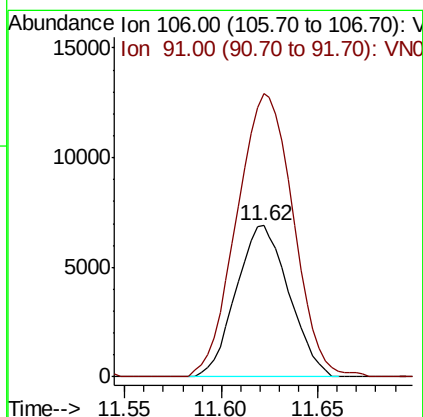
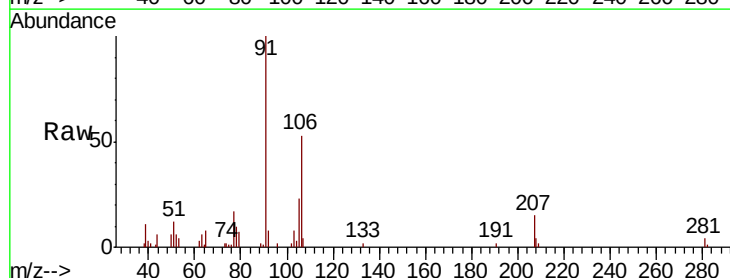
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

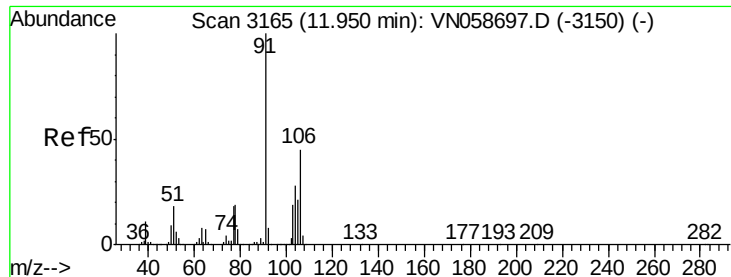
Tot Ion: 91 Resp: 18071
Ion Ratio Lower Upper
91 100
106 28.7 24.1 36.1



#68
m/p-Xylenes
Concen: 1.537 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 106 Resp: 13091
Ion Ratio Lower Upper
106 100
91 200.4 165.7 248.5

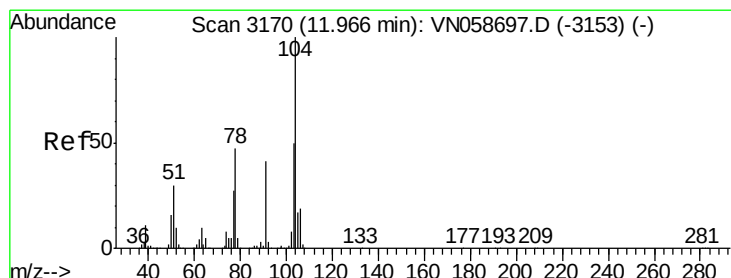
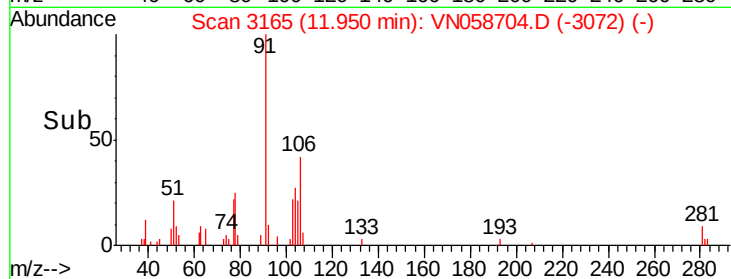
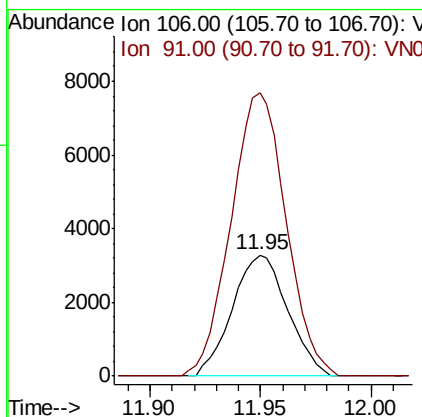
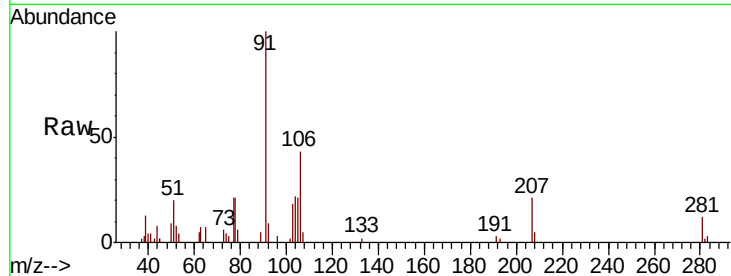




#69
o-Xylene
Concen: 0.693 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

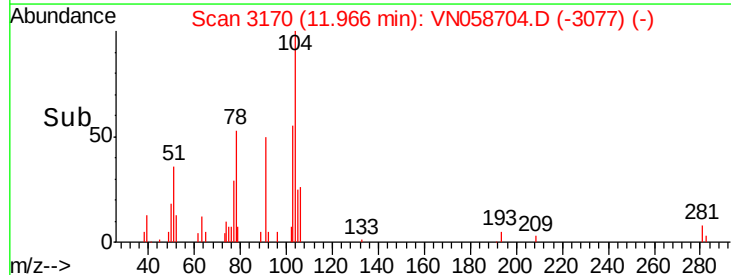
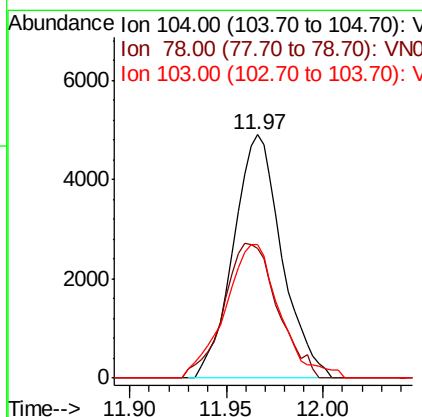
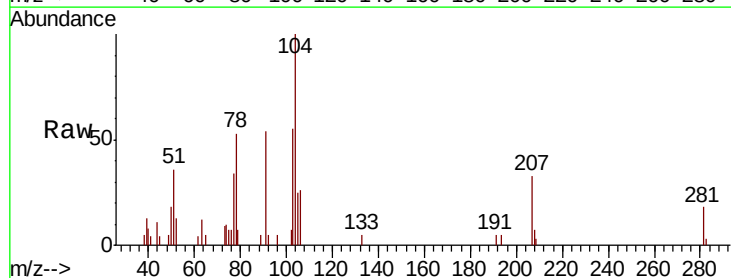
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

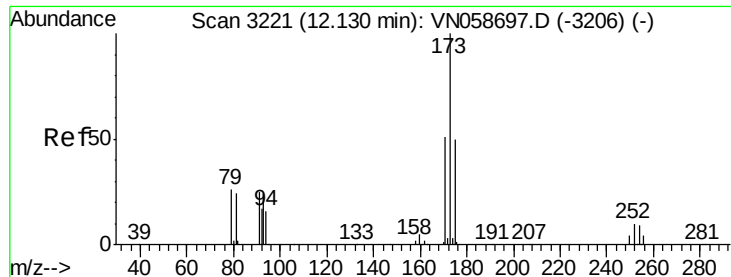
Tot Ion:106 Resp: 5711
Ion Ratio Lower Upper
106 100
91 232.8 110.9 332.9



#70
Styrene
Concen: 0.630 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion:104 Resp: 8508
Ion Ratio Lower Upper
104 100
78 61.3 42.2 63.2
103 62.1 43.7 65.5





#71

Bromoform

Concen: 0.748 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

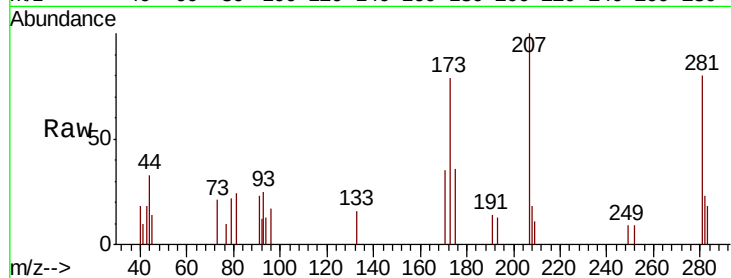
Tot Ion:173 Resp: 2583

Ion Ratio Lower Upper

173 100

175 40.1 24.6 73.8

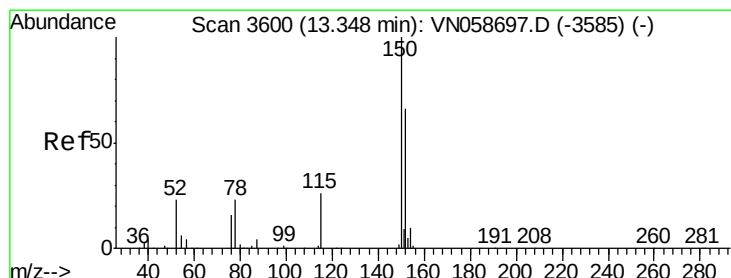
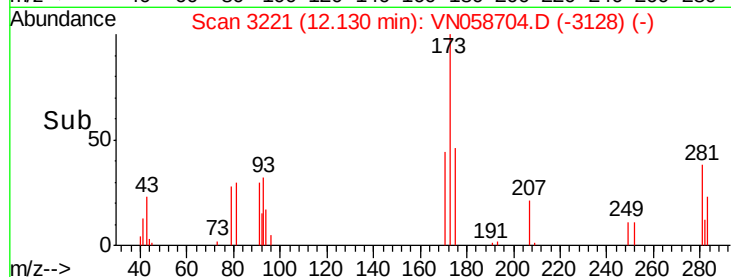
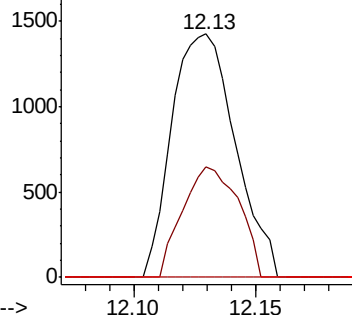
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

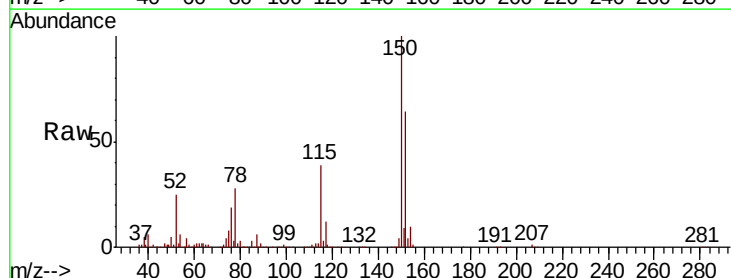
Tgt Ion:152 Resp: 271478

Ion Ratio Lower Upper

152 100

115 60.1 30.4 91.2

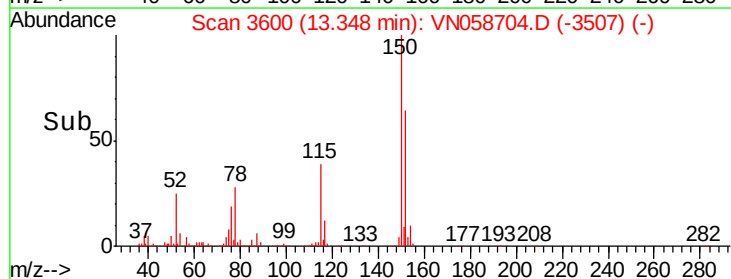
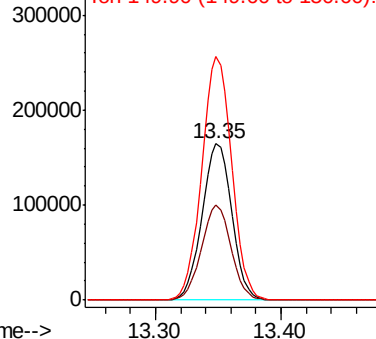
150 155.9 0.0 345.4

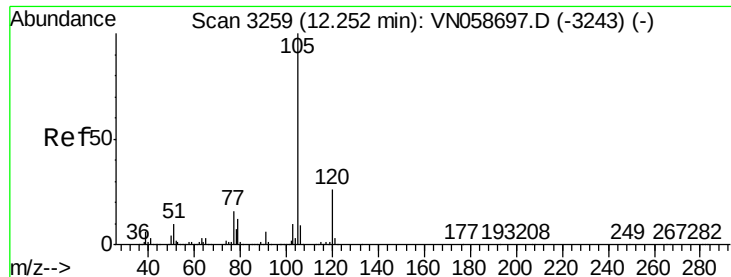


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.827 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

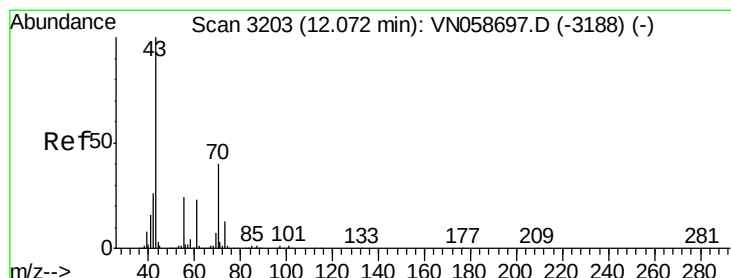
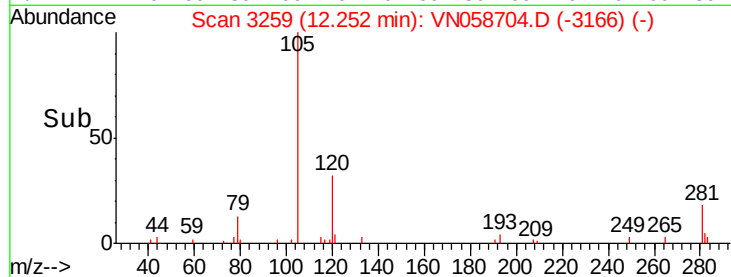
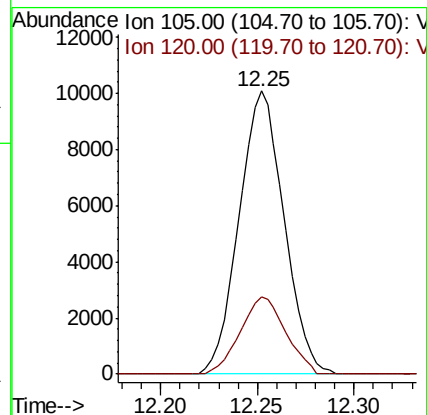
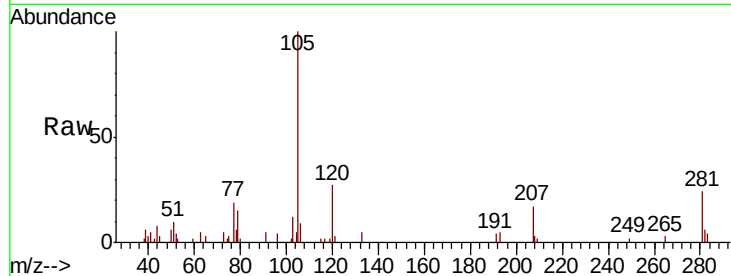
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 16268

Ion Ratio Lower Upper

105 100

120 27.5 13.1 39.1



#74

N-ethyl acetate

Concen: 0.660 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Tgt Ion: 43 Resp: 5832

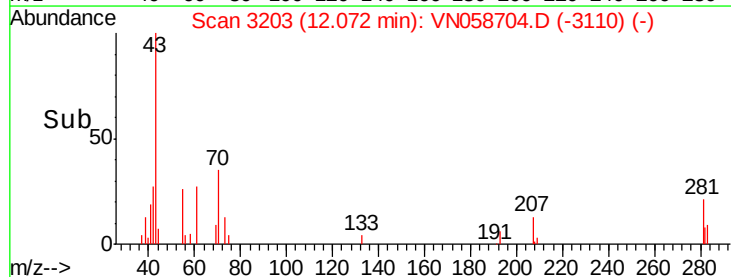
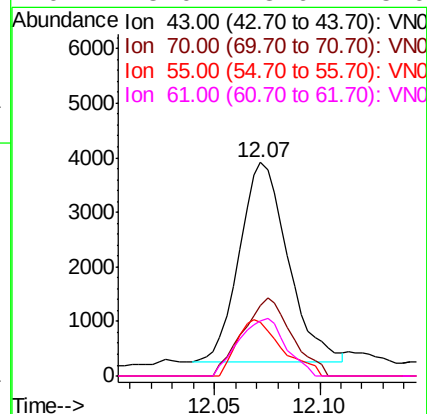
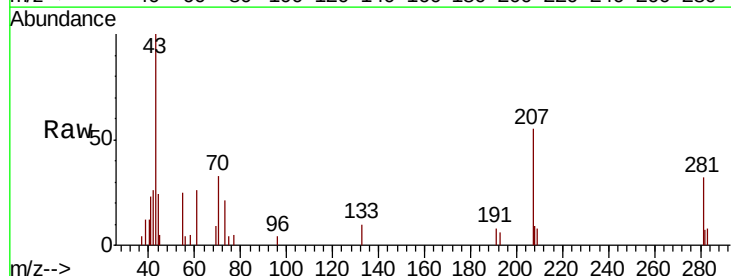
Ion Ratio Lower Upper

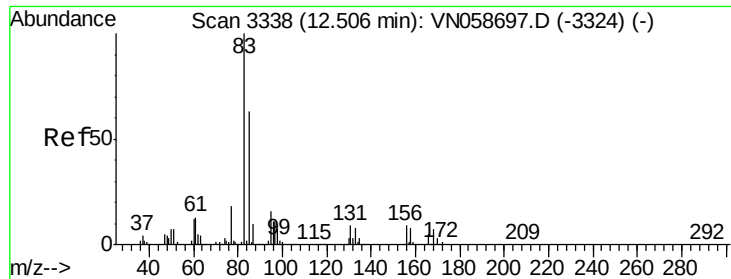
43 100

70 39.4 32.2 48.4

55 26.3 19.6 29.4

61 28.0 18.6 28.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.940 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

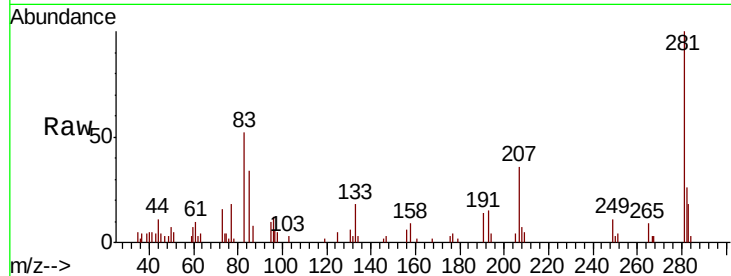
Tot Ion: 83 Resp: 6089

Ion Ratio Lower Upper

83 100

131 8.6 4.8 14.4

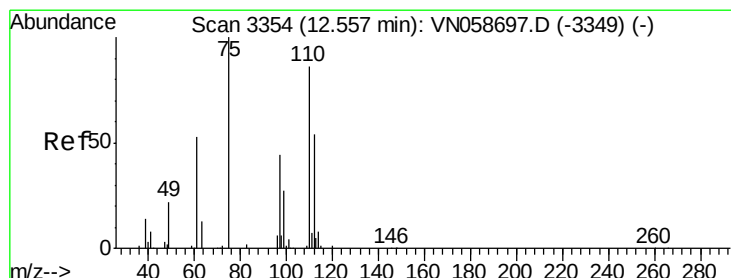
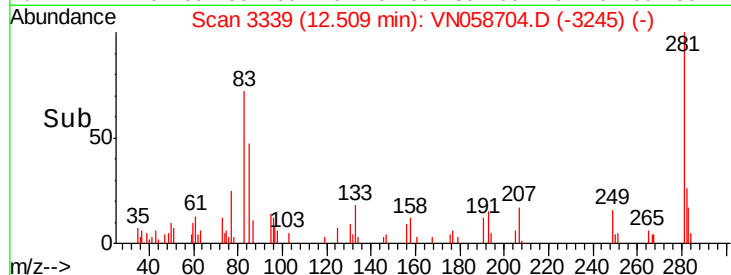
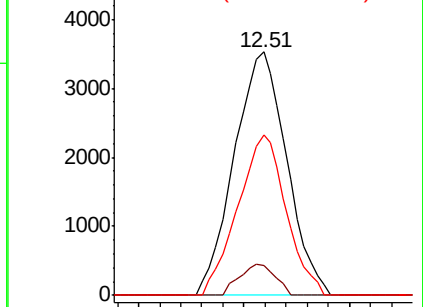
85 60.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.455 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058704.D

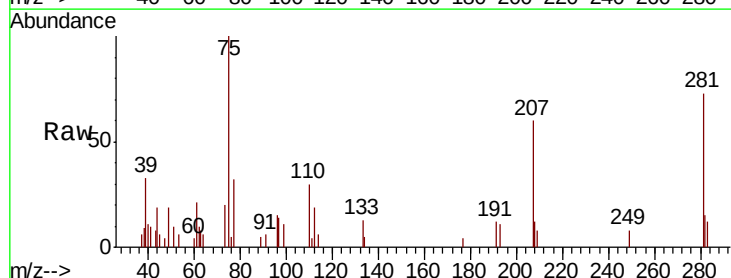
Acq: 11 Oct 2019 15:36

Tgt Ion: 75 Resp: 8665

Ion Ratio Lower Upper

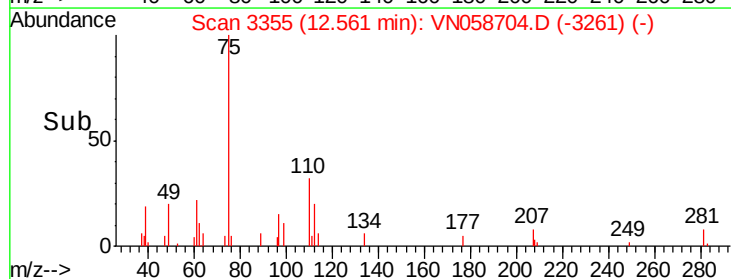
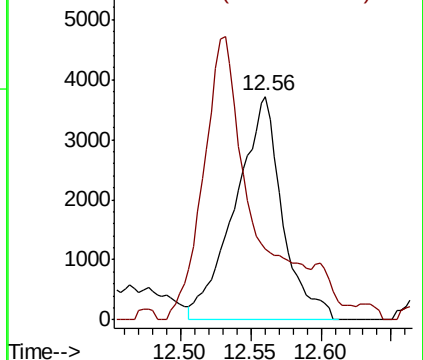
75 100

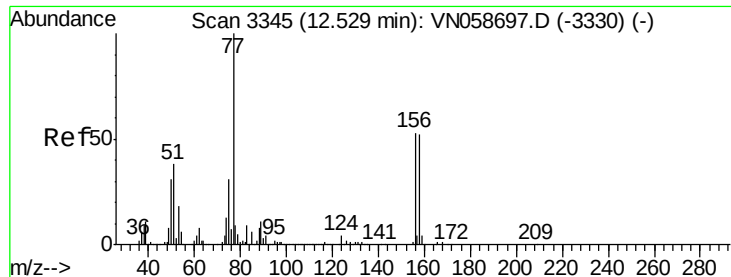
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.809 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

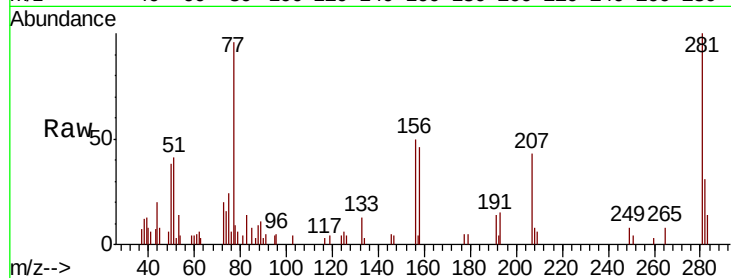
Tot Ion:156 Resp: 3868

Ion Ratio Lower Upper

156 100

77 288.8 115.8 347.3

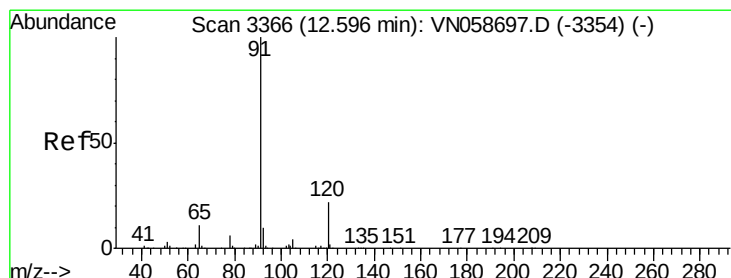
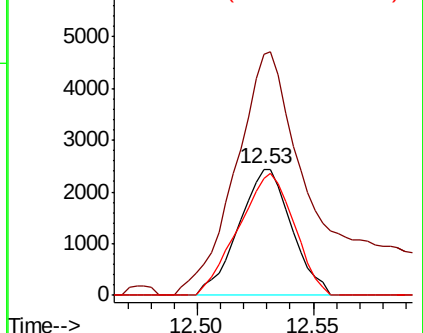
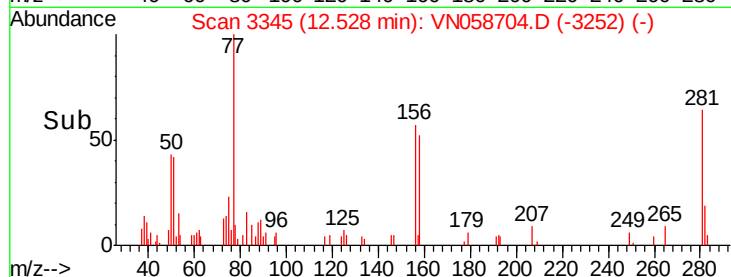
158 101.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.821 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058704.D

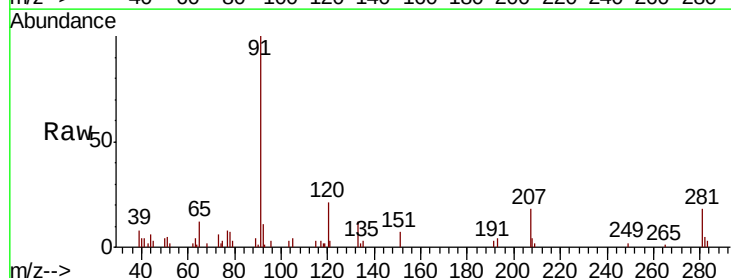
Acq: 11 Oct 2019 15:36

Tgt Ion: 91 Resp: 18812

Ion Ratio Lower Upper

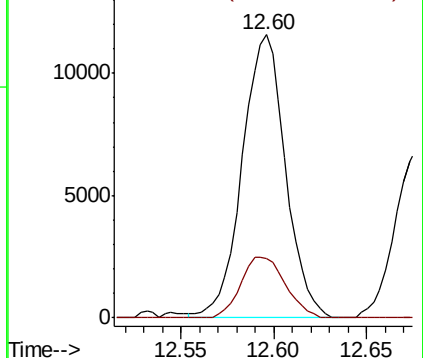
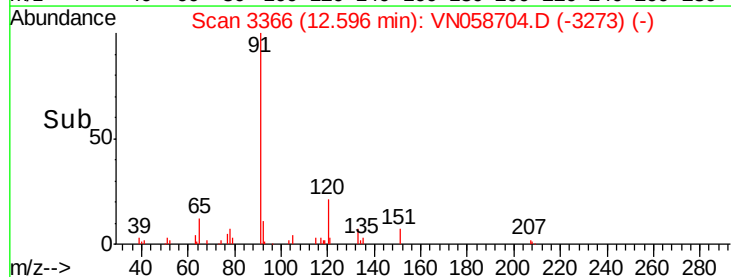
91 100

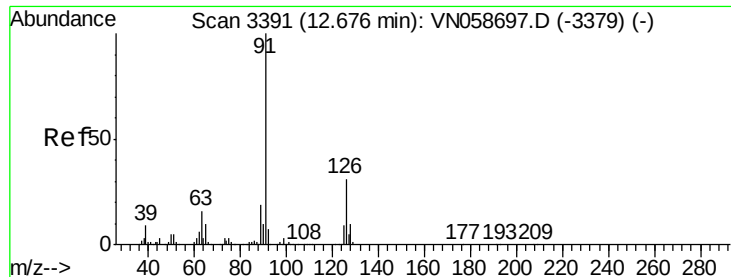
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.870 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

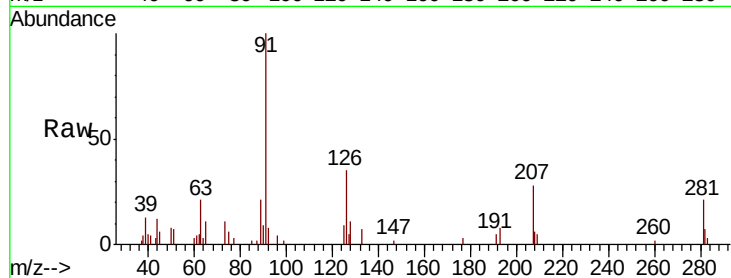
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 12376

Ion Ratio Lower Upper

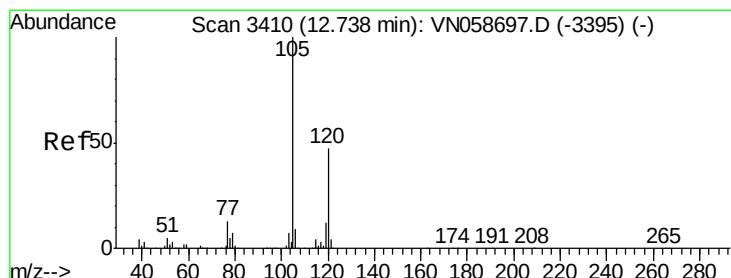
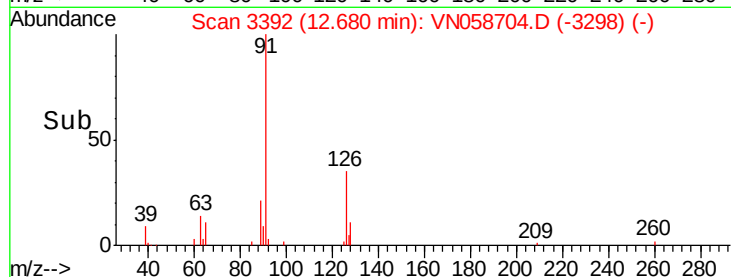
91 100

126 30.9 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.794 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058704.D

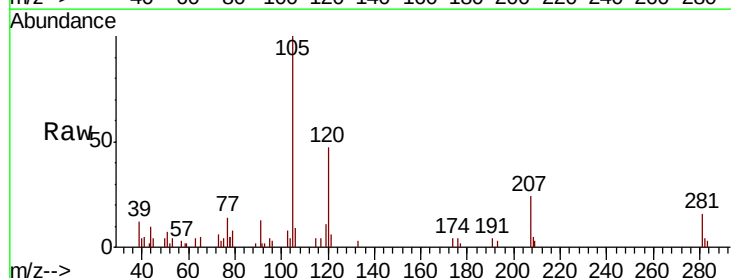
Acq: 11 Oct 2019 15:36

Tgt Ion: 105 Resp: 13336

Ion Ratio Lower Upper

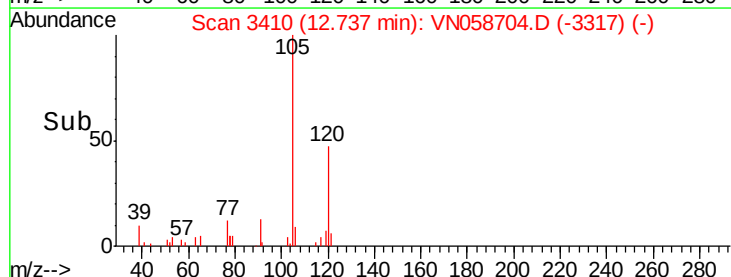
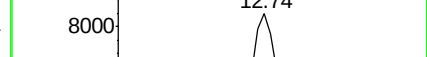
105 100

120 45.8 23.4 70.2

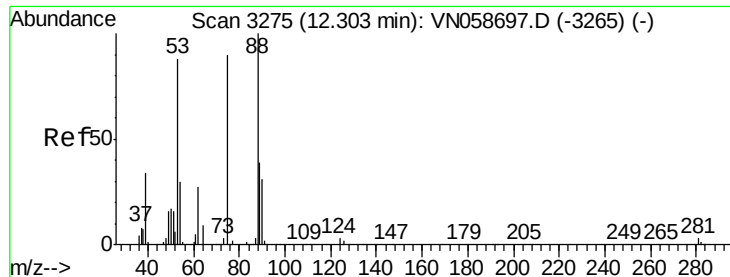


Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.894 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

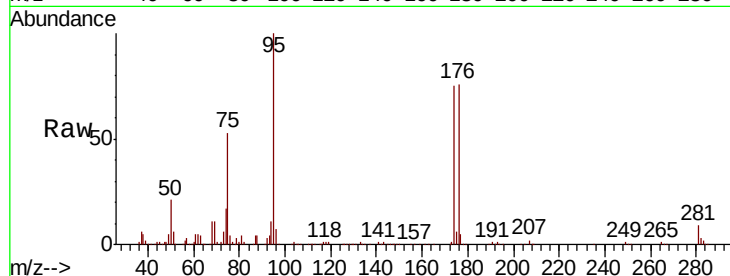
Tot Ion: 75 Resp: 155396

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

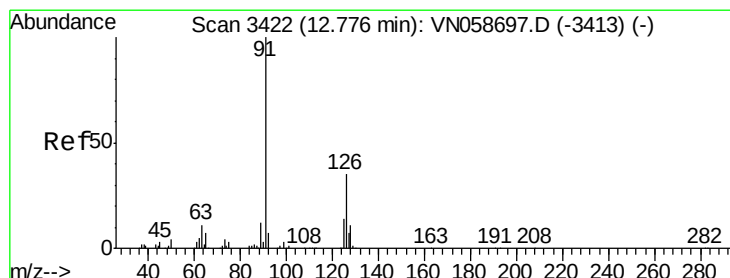
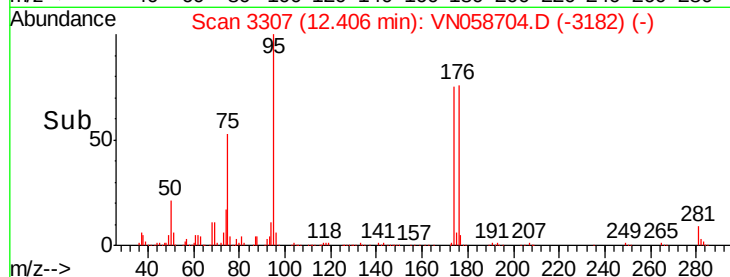
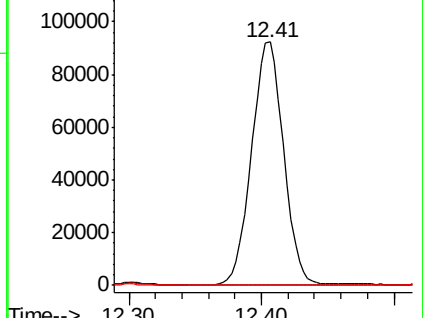
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.853 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058704.D

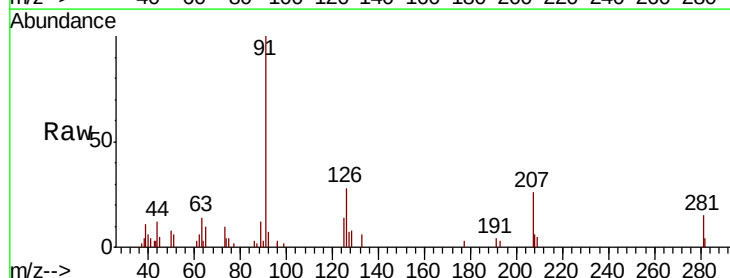
Acq: 11 Oct 2019 15:36

Tgt Ion: 91 Resp: 12452

Ion Ratio Lower Upper

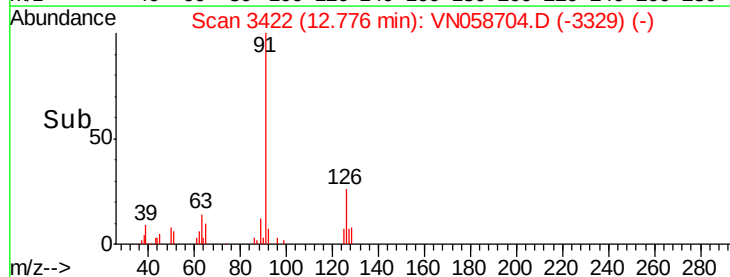
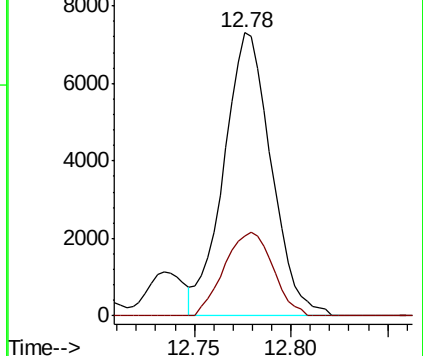
91 100

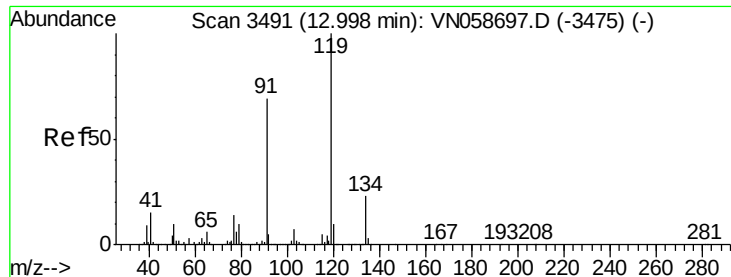
126 30.3 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.820 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

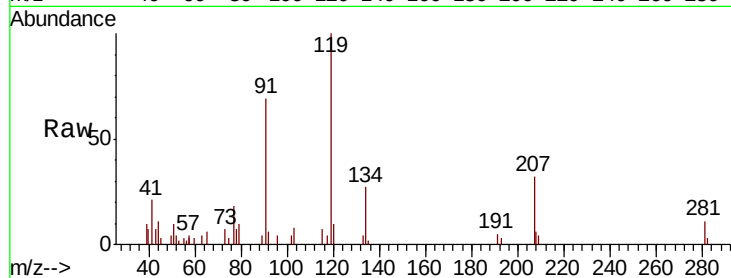
Tot Ion:119 Resp: 11785

Ion Ratio Lower Upper

119 100

91 65.5 33.8 101.3

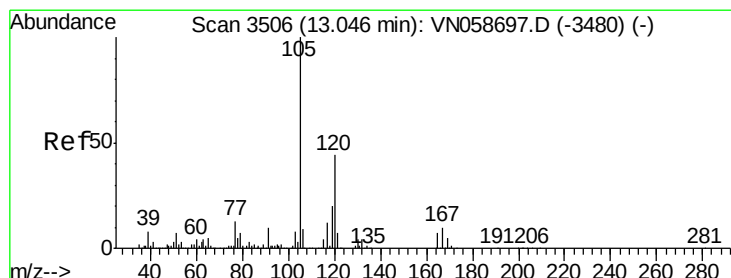
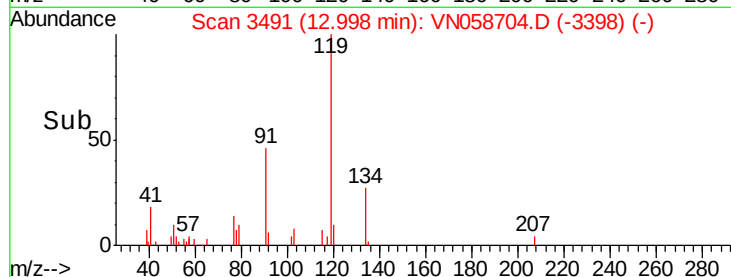
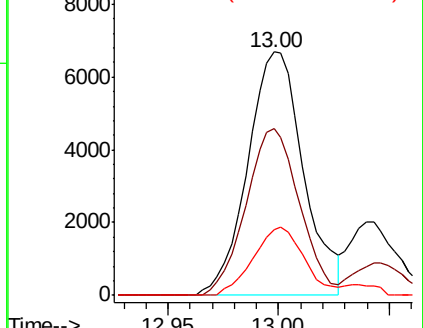
134 25.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.761 ug/l

RT: 13.04 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058704.D

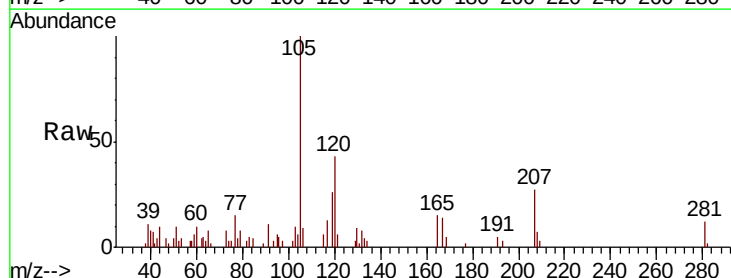
Acq: 11 Oct 2019 15:36

Tgt Ion:105 Resp: 12687

Ion Ratio Lower Upper

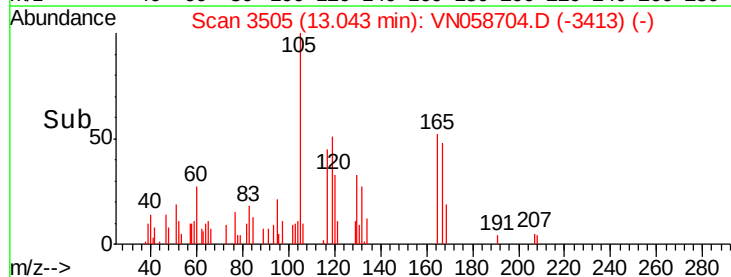
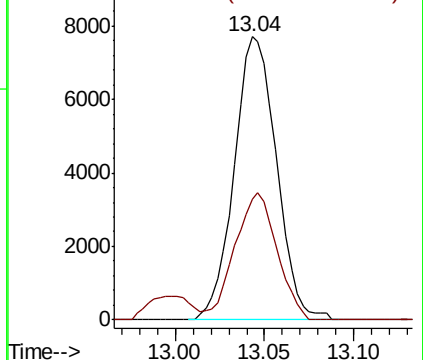
105 100

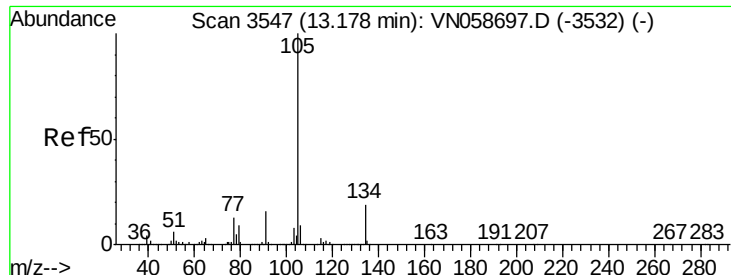
120 44.8 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.790 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

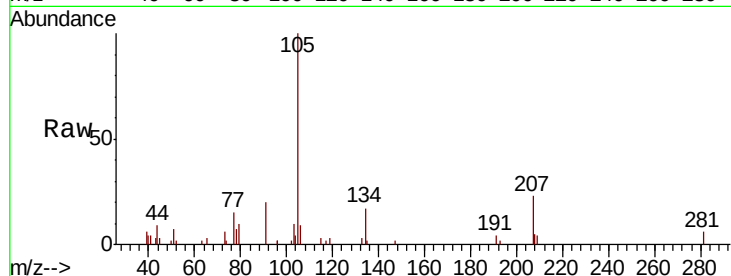
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 14969

Ion Ratio Lower Upper

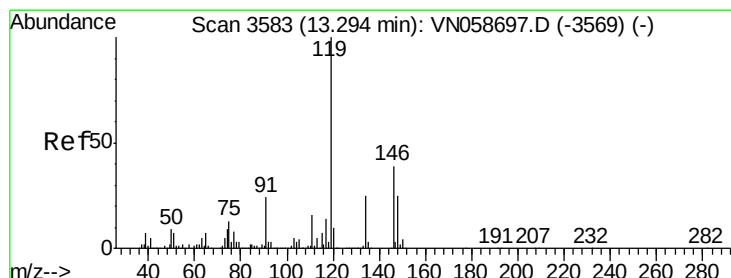
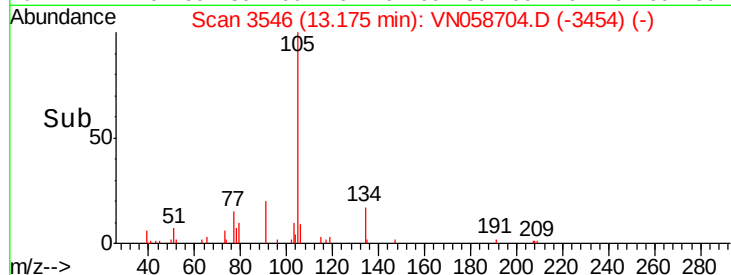
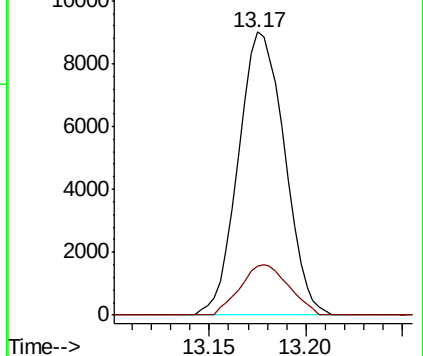
105 100

134 18.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.746 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058704.D

Acq: 11 Oct 2019 15:36

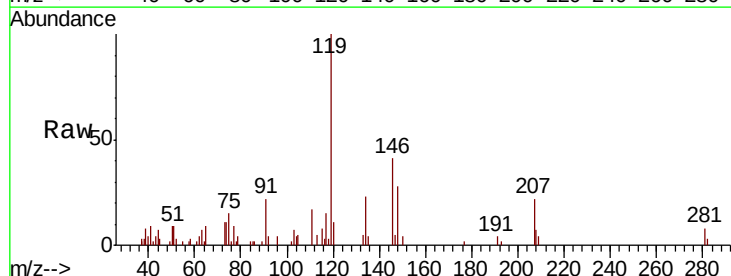
Tgt Ion:119 Resp: 12852

Ion Ratio Lower Upper

119 100

134 24.7 12.7 38.1

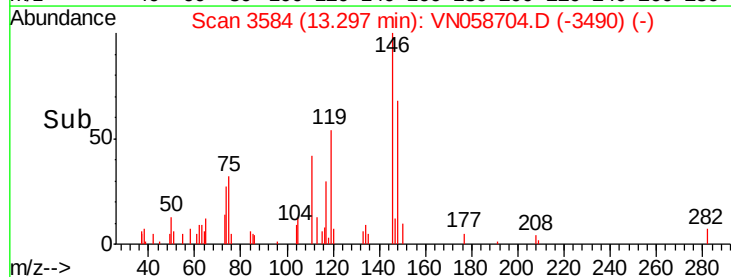
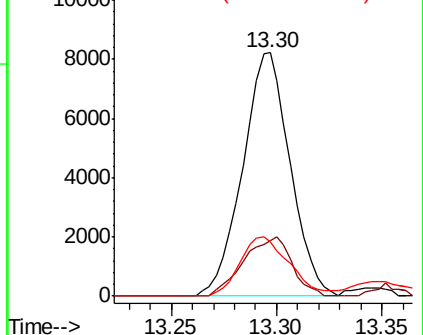
91 25.4 11.9 35.5

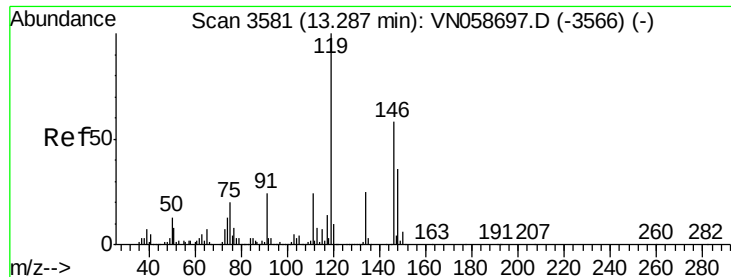


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

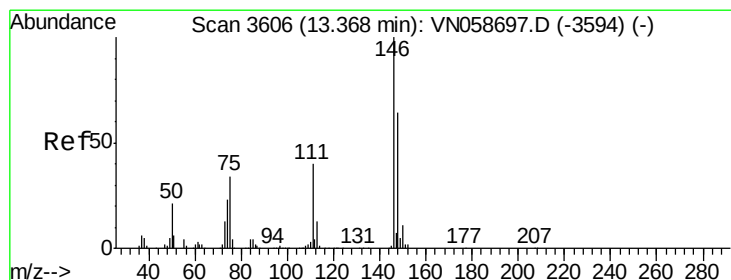
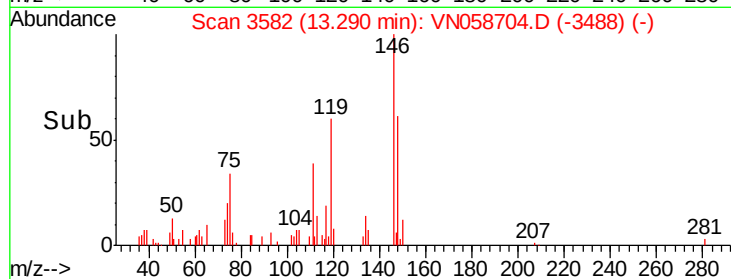
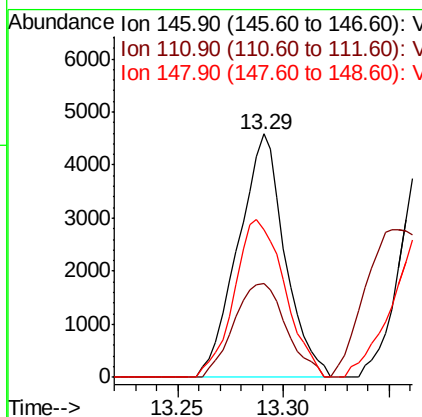
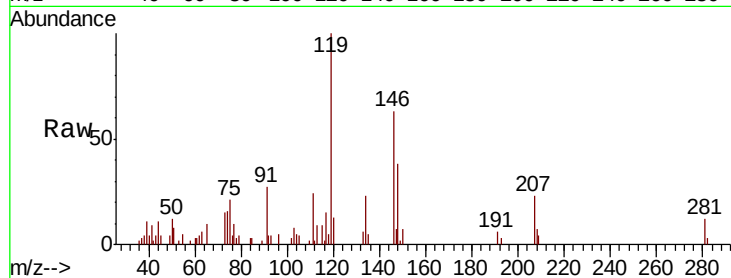




#87
 1,3-Dichlorobenzene
 Concen: 0.800 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

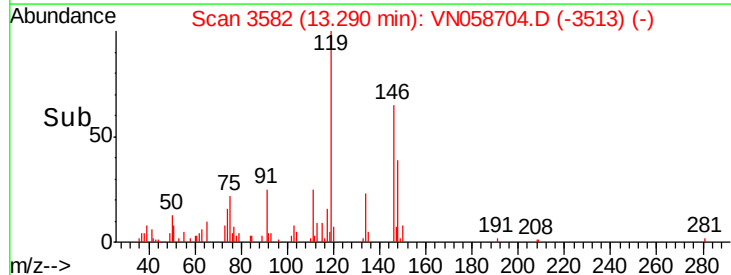
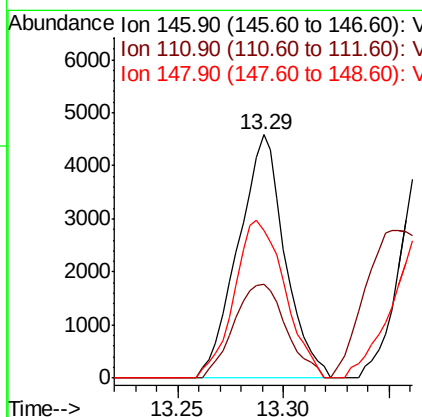
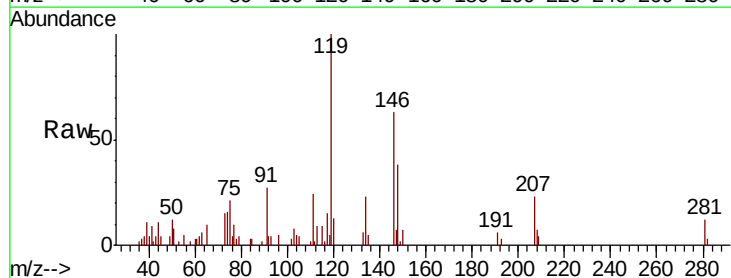
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

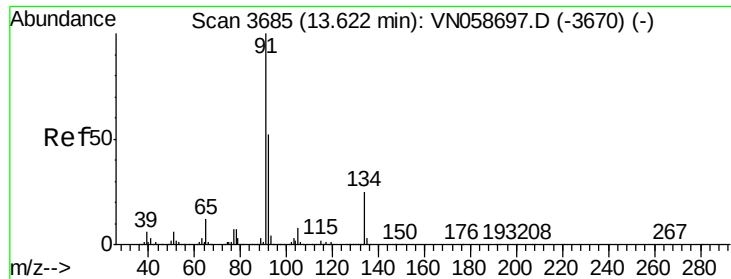
Tot Ion:146 Resp: 7054
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.5 61.6
 148 70.0 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 0.787 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion:146 Resp: 7054
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.1 60.2
 148 70.0 31.9 95.7

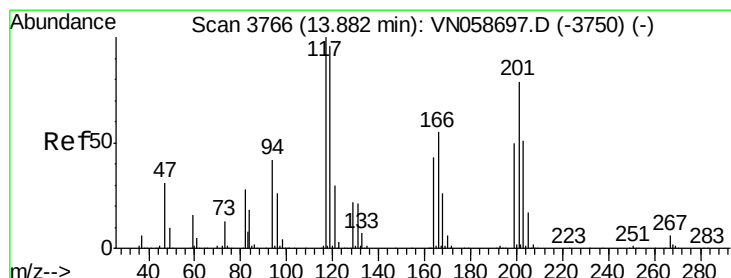
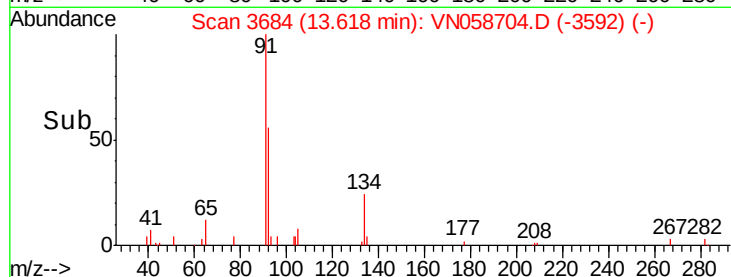
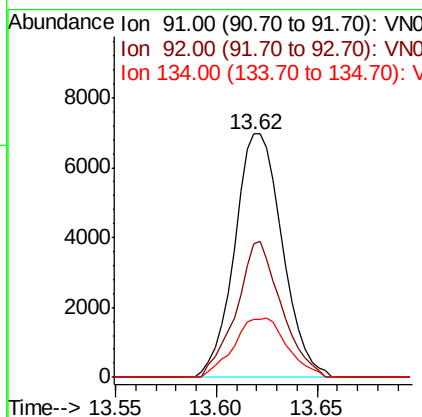
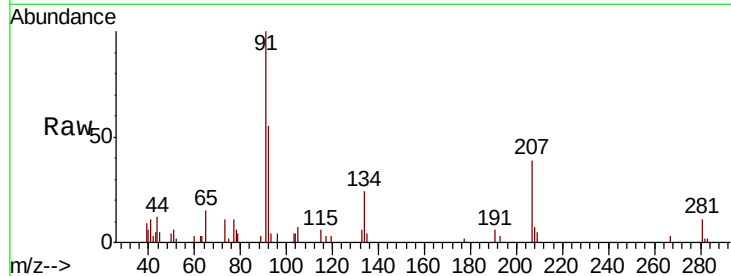




#89
n-Butylbenzene
Concen: 0.724 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

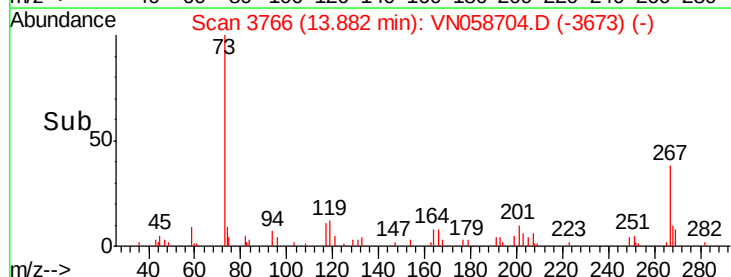
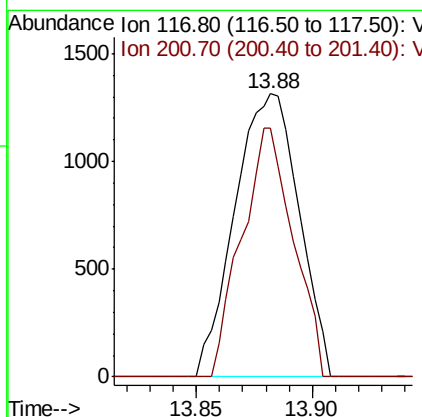
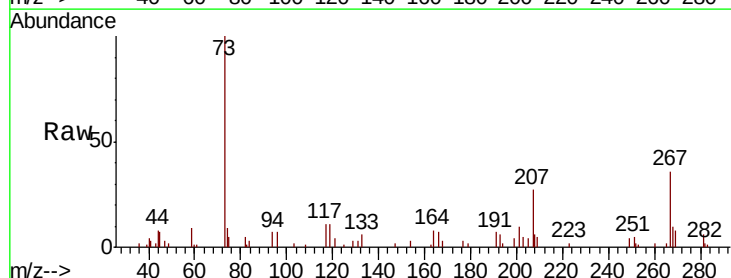
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

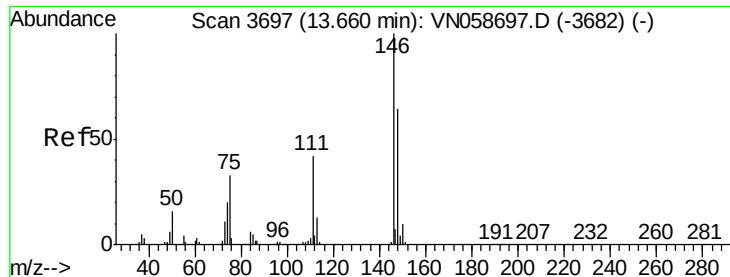
Tot Ion: 91 Resp: 11523
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 27.0 12.2 36.6



#90
Hexachloroethane
Concen: 0.820 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion: 117 Resp: 2528
Ion Ratio Lower Upper
117 100
201 70.8 39.6 118.7

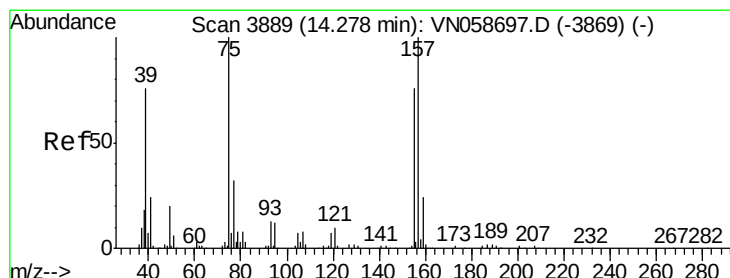
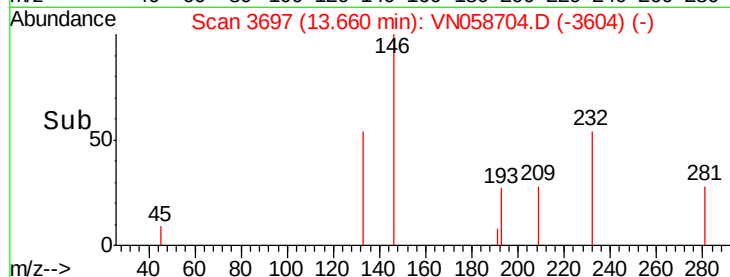
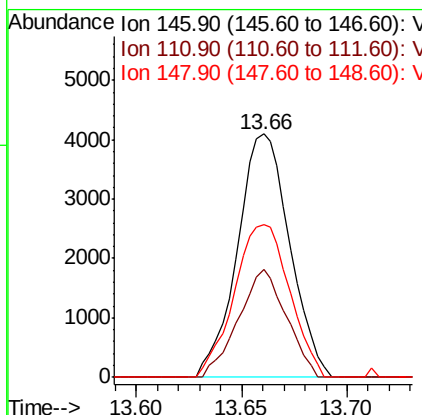
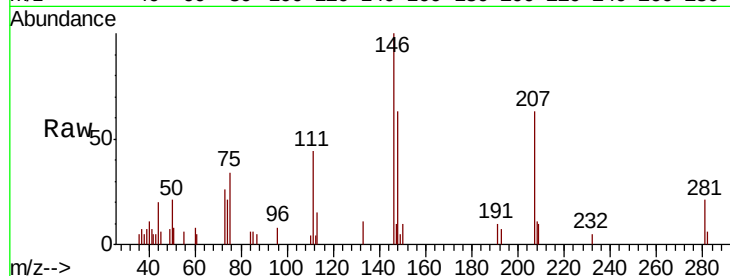




#91
 1,2-Dichlorobenzene
 Concen: 0.820 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

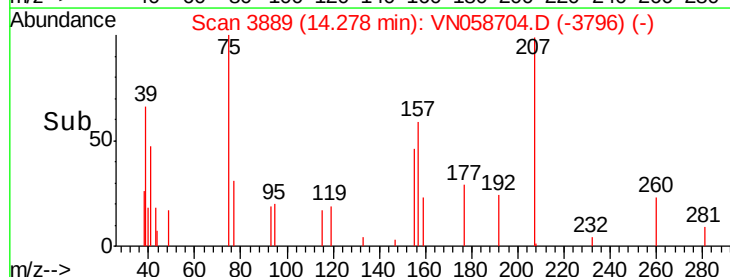
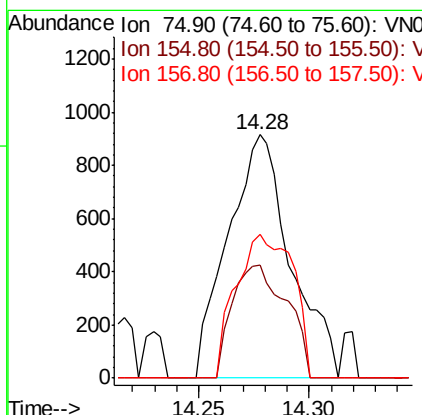
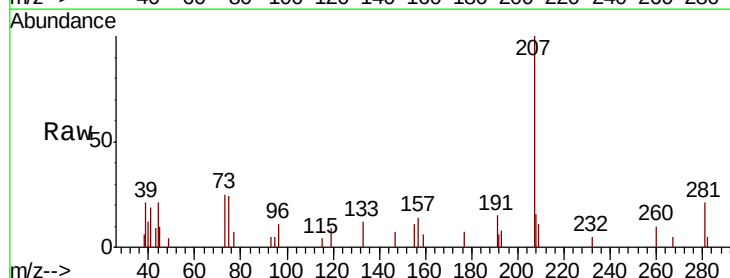
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

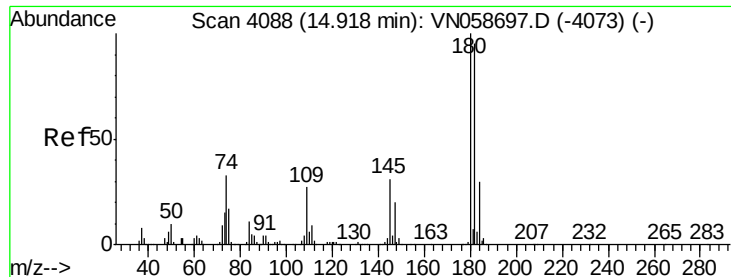
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.4
148	66.4	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.194 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	40.2	37.9	113.6
157	53.5	49.4	148.2

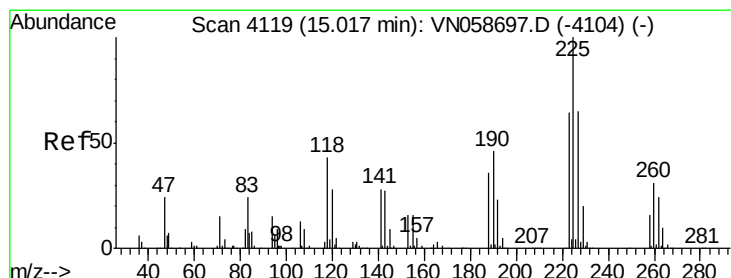
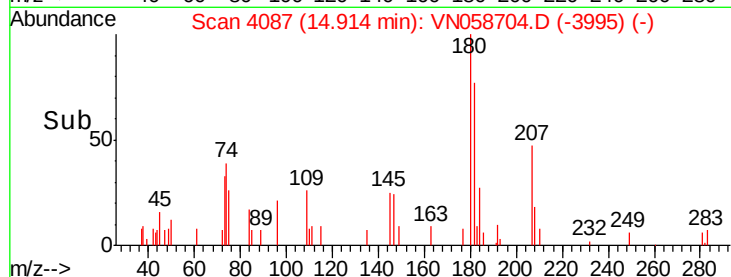
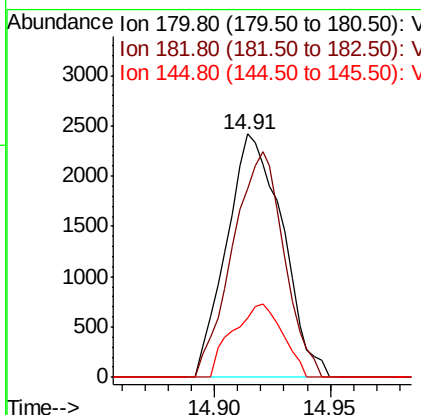
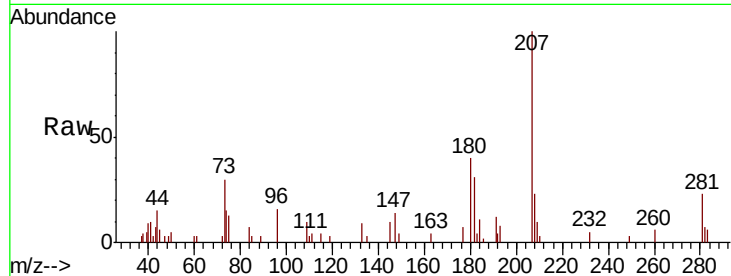




#93
 1,2,4-Trichlorobenzene
 Concen: 0.770 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

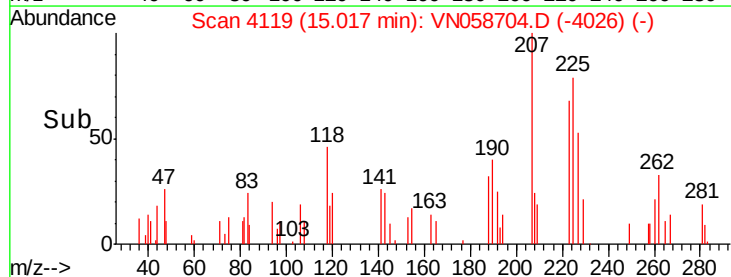
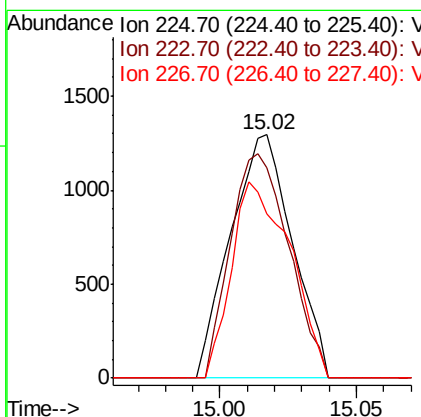
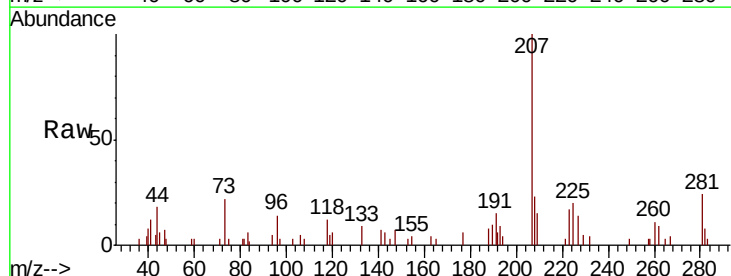
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

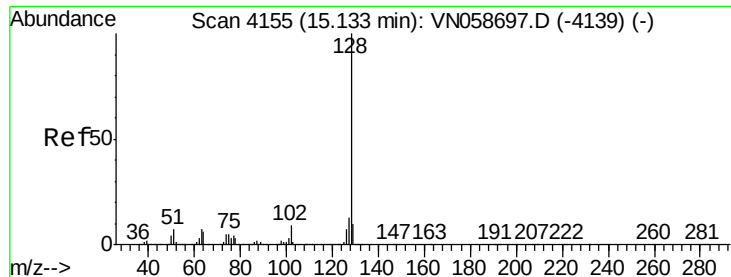
Tot Ion:180 Resp: 4035
 Ion Ratio Lower Upper
 180 100
 182 85.7 47.4 142.2
 145 27.2 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.736 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058704.D
 Acq: 11 Oct 2019 15:36

Tgt Ion:225 Resp: 2032
 Ion Ratio Lower Upper
 225 100
 223 87.6 32.3 96.8
 227 77.2 32.4 97.0

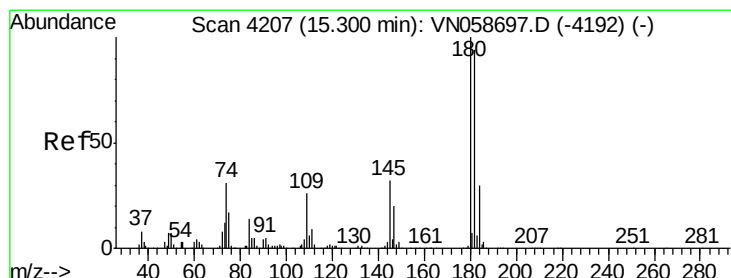
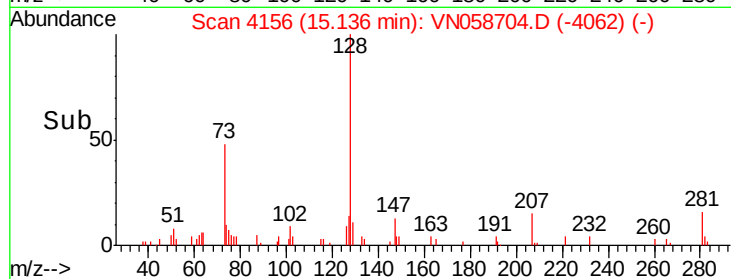
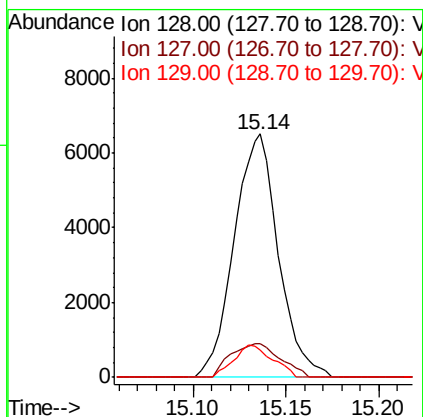
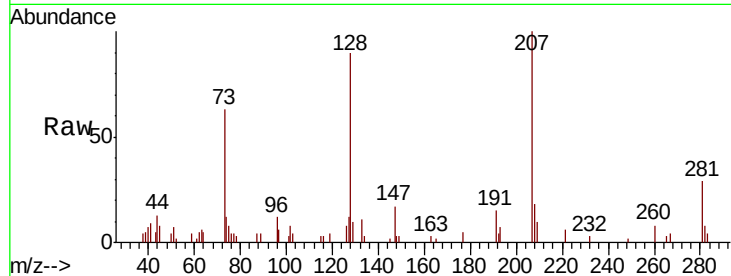




#95
Naphthalene
Concen: 0.714 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:128 Resp: 10758
Ion Ratio Lower Upper
128 100
127 15.4 10.2 15.4#
129 11.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 0.717 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058704.D
Acq: 11 Oct 2019 15:36

Tgt Ion:180 Resp: 3673
Ion Ratio Lower Upper
180 100
182 109.8 47.3 142.0
145 47.1 16.2 48.6

