

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058702.D
 Acq On : 11 Oct 2019 14:52
 Operator : JC/SP
 Sample : K5111-08 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 12 00:07:41 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	436449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	712297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	311584	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	7.57	113	219248	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.08	98	844632	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.40	95	296117	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	1158	0.213	ug/l	99
3) Chloromethane	2.04	50	1973	0.305	ug/l	91
4) Vinyl Chloride	2.17	62	1672	0.260	ug/l	93
5) Bromomethane	2.55	94	1417	0.362	ug/l	90
6) Chloroethane	2.69	64	1168	0.294	ug/l #	88
7) Trichlorofluoromethane	3.00	101	1627	0.211	ug/l	89
10) Methyl Iodide	3.94	142	1403	0.234	ug/l #	51
11) Tert butyl alcohol	4.74	59	275	0.278	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	1140	0.272	ug/l #	82
13) Acrolein	3.57	56	463	0.582	ug/l #	1
14) Allyl chloride	4.31	41	2379	0.281	ug/l #	70
15) Acrylonitrile	4.97	53	2821	1.130	ug/l #	73
16) Acetone	3.79	43	3925	1.552	ug/l	96
17) Carbon Disulfide	4.02	76	5948	0.444	ug/l #	91
19) Methyl tert-butyl Ether	5.02	73	2994	0.200	ug/l	96
20) Methylene Chloride	4.52	84	2135	0.404	ug/l #	89
23) Vinyl Acetate	5.88	43	13919	1.049	ug/l	97
24) 1,1-Dichloroethane	5.82	63	2151	0.230	ug/l #	85
25) 2-Butanone	6.82	43	5078	1.389	ug/l	99
26) 2,2-Dichloropropane	6.80	77	3602	0.421	ug/l #	62
27) cis-1,2-Dichloroethene	6.82	96	1434	0.262	ug/l #	1
29) Tetrahydrofuran	7.20	42	2521	1.067	ug/l #	74
30) Chloroform	7.36	83	3279	0.348	ug/l	87
31) Cyclohexane	7.65	56	11909	1.329	ug/l #	20
36) 1,1-Dichloropropene	7.77	75	2093	0.291	ug/l #	78
38) Carbon Tetrachloride	7.74	117	1500	0.214	ug/l	89
39) Methylcyclohexane	9.07	83	1717	0.205	ug/l	89
40) Benzene	8.03	78	5046	0.244	ug/l	99
42) 1,2-Dichloroethane	8.11	62	2461	0.310	ug/l	88
43) Isopropyl Acetate	8.14	43	2681	0.216	ug/l #	71
44) Trichloroethene	8.82	130	1359	0.265	ug/l	94
47) Bromodichloromethane	9.39	83	1536	0.215	ug/l #	96
48) Methyl methacrylate	9.19	41	1194	0.212	ug/l	84
49) 1,4-Dioxane	9.20	88	524	6.022	ug/l #	44

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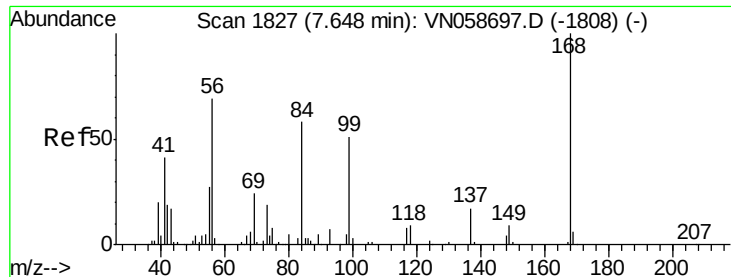
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

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

51) 4-Methyl-2-Pentanone	9.98	43	8262	1.186	ug/l	93
52) Toluene	10.15	92	3114	0.246	ug/l	90
53) t-1,3-Dichloropropene	10.38	75	2428	0.296	ug/l #	1
54) cis-1,3-Dichloropropene	9.83	75	2807	0.322	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1171	0.226	ug/l #	70
56) Ethyl methacrylate	10.42	69	1530	0.202	ug/l #	68
57) 1,3-Dichloropropane	10.71	76	2013	0.228	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.69	63	2515	0.690	ug/l	99
59) 2-Hexanone	10.75	43	6388	1.186	ug/l	93
61) 1,2-Dibromoethane	11.00	107	1081	0.208	ug/l	98
64) Tetrachloroethene	10.63	164	1277	0.288	ug/l	88
65) Chlorobenzene	11.43	112	3336	0.259	ug/l	96
67) Ethyl Benzene	11.51	91	6001	0.261	ug/l	96
68) m/p-Xylenes	11.62	106	4467	0.518	ug/l	90
69) o-Xylene	11.95	106	1836	0.220	ug/l	90
70) Styrene	11.97	104	2875	0.210	ug/l #	86
71) Bromoform	12.12	173	715	0.205	ug/l #	28
73) Isopropylbenzene	12.25	105	5166	0.260	ug/l	96
74) N-amyl acetate	12.07	43	2269	0.254	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	1726	0.263	ug/l #	95
76) 1,2,3-Trichloropropane	12.40	75	157187	26.094	ug/l #	100
77) Bromobenzene	12.53	156	1408	0.291	ug/l	92
78) n-propylbenzene	12.60	91	6483	0.280	ug/l	95
79) 2-Chlorotoluene	12.68	91	4020	0.279	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	4435	0.261	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	157187	69.897	ug/l #	11
82) 4-Chlorotoluene	12.78	91	4094	0.277	ug/l	95
83) tert-Butylbenzene	13.00	119	3800	0.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4331	0.257	ug/l	100
85) sec-Butylbenzene	13.18	105	4722	0.246	ug/l	98
86) p-Isopropyltoluene	13.30	119	4872	0.280	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	2697	0.302	ug/l	79
88) 1,4-Dichlorobenzene	13.29	146	2697	0.297	ug/l	81
89) n-Butylbenzene	13.62	91	4087	0.254	ug/l	92
90) Hexachloroethane	13.88	117	709	0.227	ug/l	77
91) 1,2-Dichlorobenzene	13.66	146	2115	0.243	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	14.27	75	519	0.339	ug/l #	46
93) 1,2,4-Trichlorobenzene	14.92	180	2384	0.450	ug/l	94
94) Hexachlorobutadiene	15.02	225	743	0.266	ug/l	94
95) Naphthalene	15.13	128	7466	0.490	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	2426	0.469	ug/l	90

(#) = 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: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

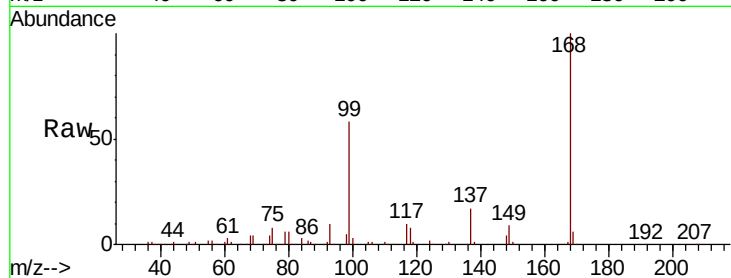
LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 436449

Ion Ratio Lower Upper

168 100

99 58.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

150000

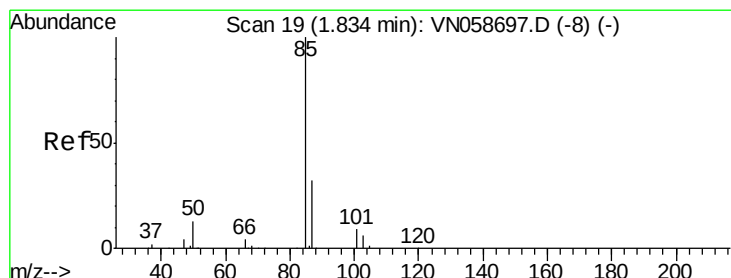
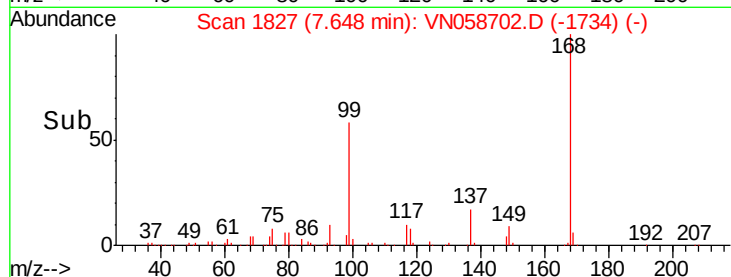
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.213 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058702.D

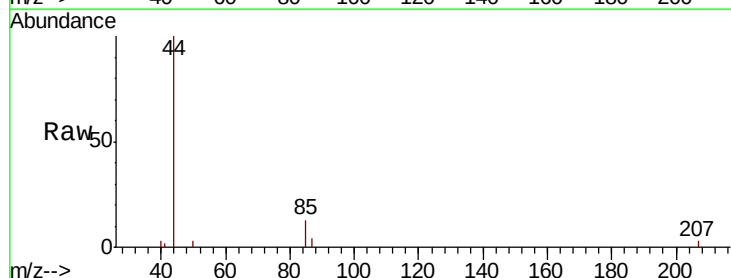
Acq: 11 Oct 2019 14:52

Tgt Ion: 85 Resp: 1158

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.84

1000

800

600

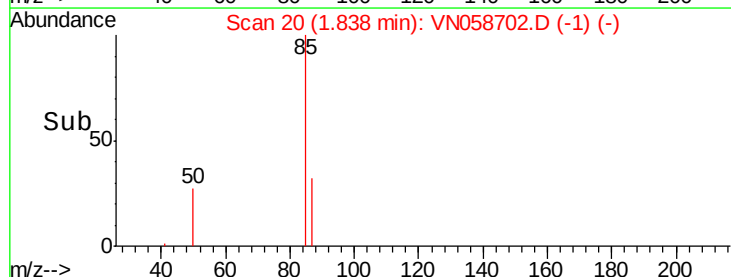
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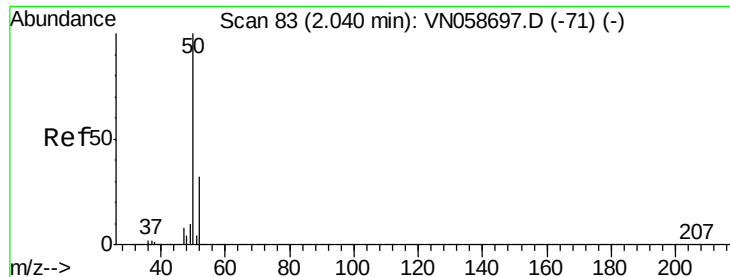
200

0

1.80 1.82 1.84 1.86

Time-->





#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

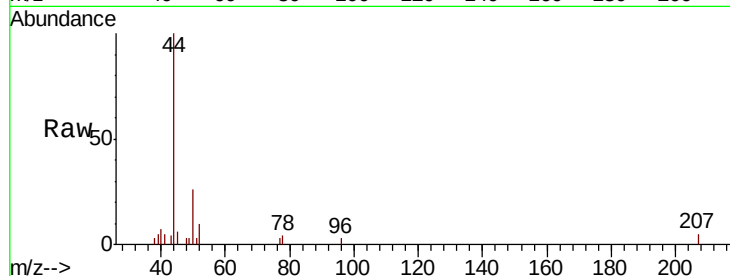
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 1973

Ion Ratio Lower Upper

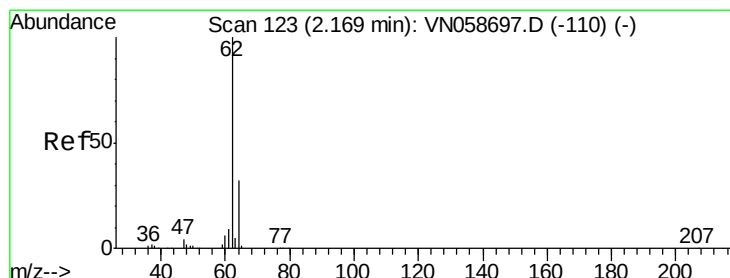
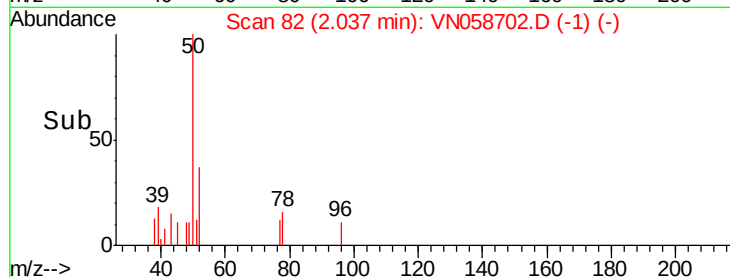
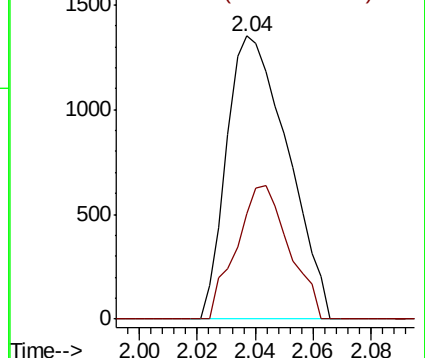
50 100

52 37.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.260 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058702.D

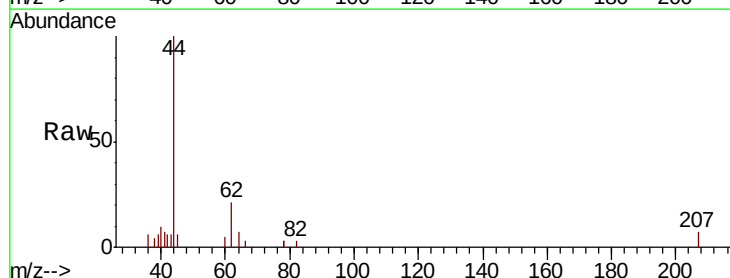
Acq: 11 Oct 2019 14:52

Tgt Ion: 62 Resp: 1672

Ion Ratio Lower Upper

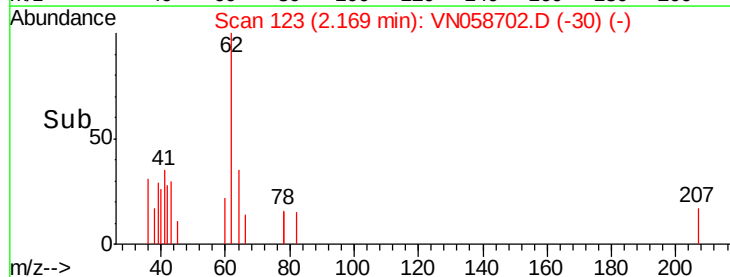
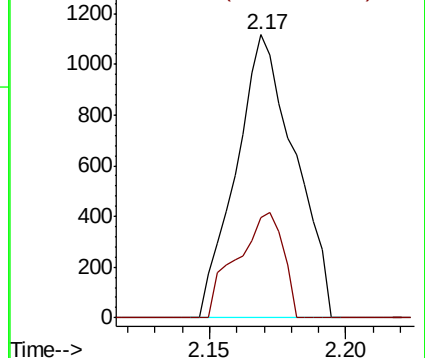
62 100

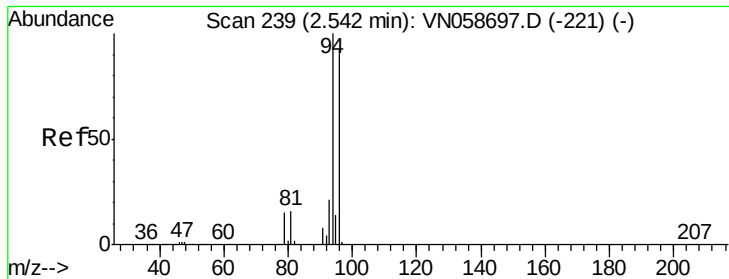
64 35.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.362 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

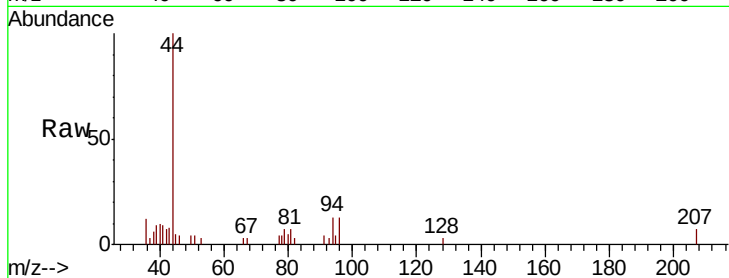
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 1417

Ion Ratio Lower Upper

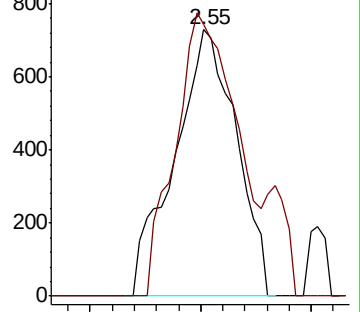
94 100

96 102.3 74.5 111.7

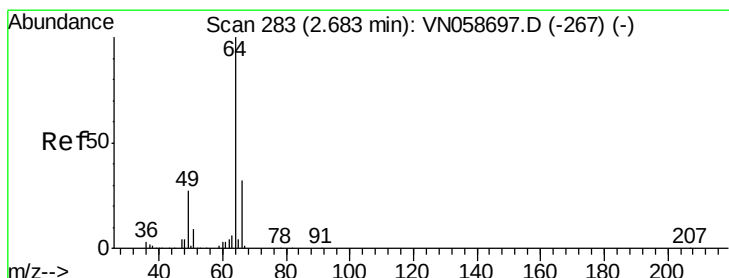
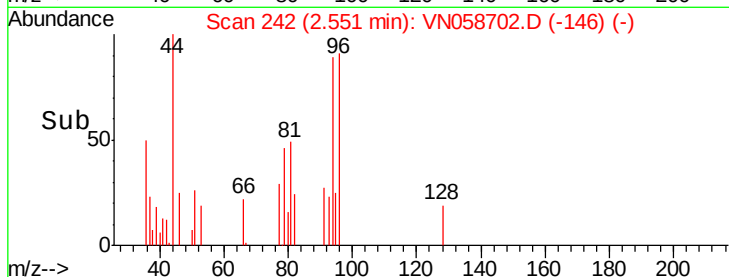


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 0.294 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058702.D

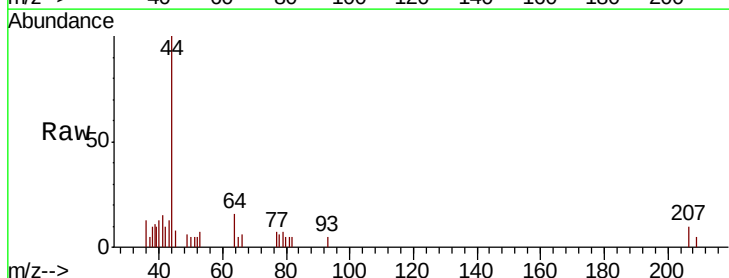
Acq: 11 Oct 2019 14:52

Tgt Ion: 64 Resp: 1168

Ion Ratio Lower Upper

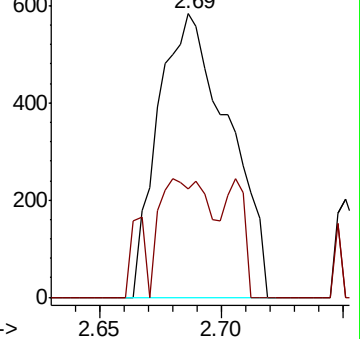
64 100

66 38.4 25.4 38.2#

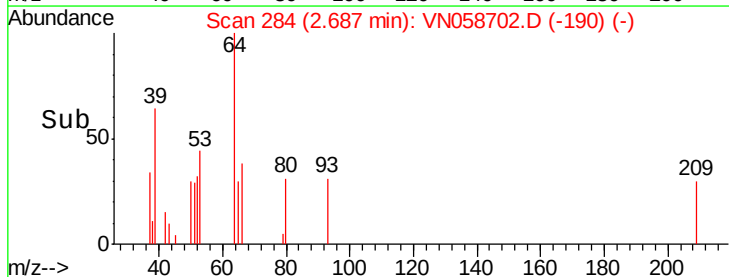


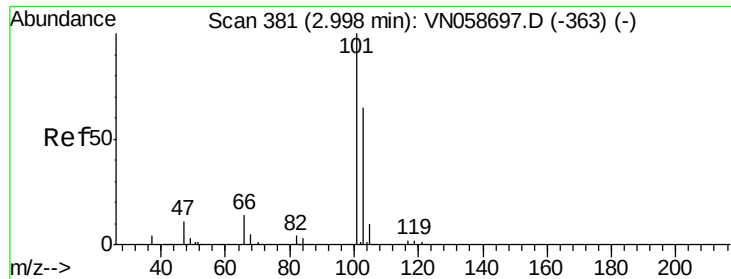
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



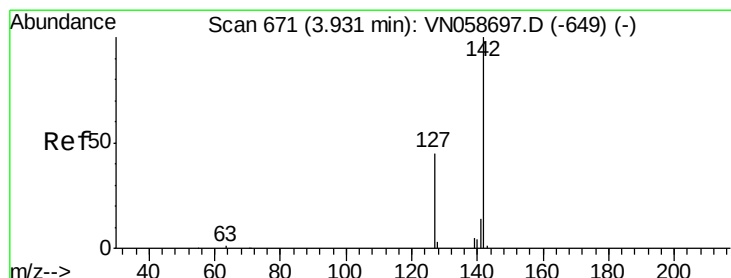
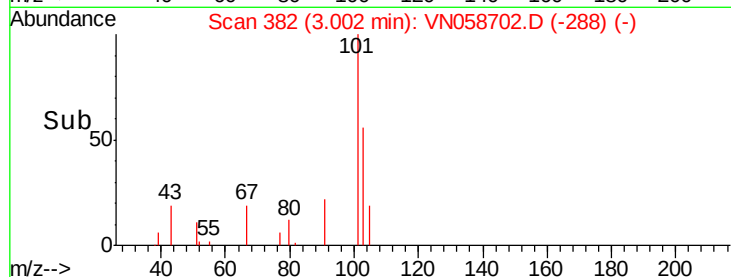
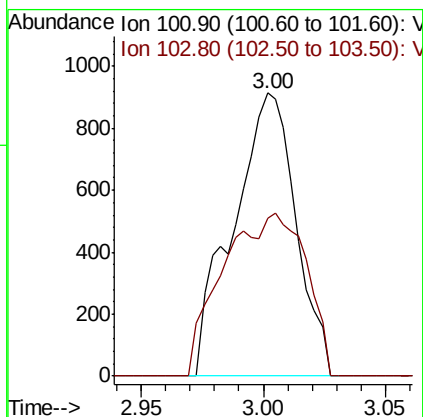
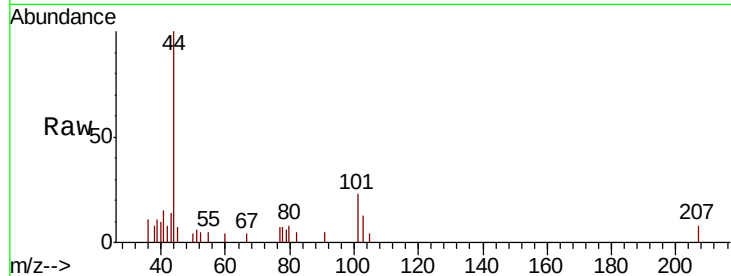


#7

Trichlorofluoromethane
 Concen: 0.211 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

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

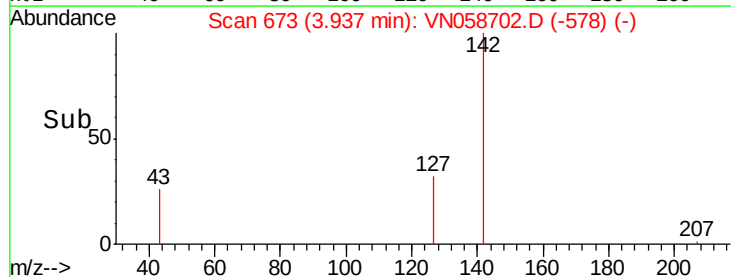
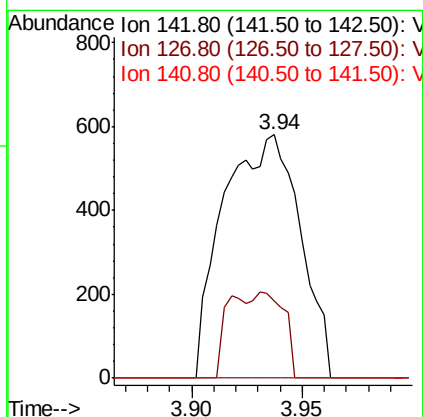
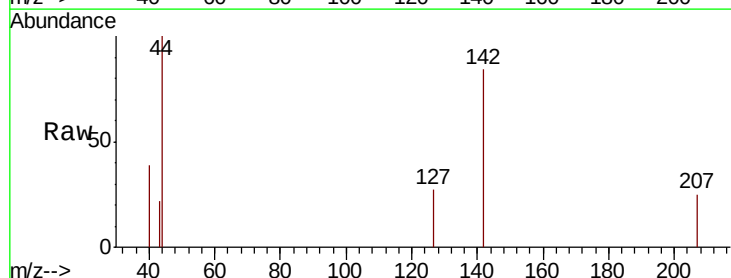
Tot Ion:101 Resp: 1627
 Ion Ratio Lower Upper
 101 100
 103 55.9 51.8 77.6

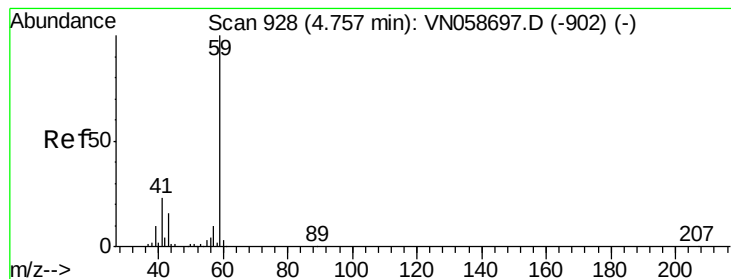


#10

Methyl Iodide
 Concen: 0.234 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion:142 Resp: 1403
 Ion Ratio Lower Upper
 142 100
 127 10.1 36.4 54.6#
 141 0.0 11.1 16.7#



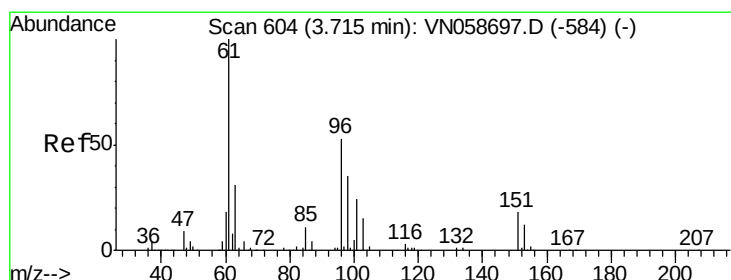
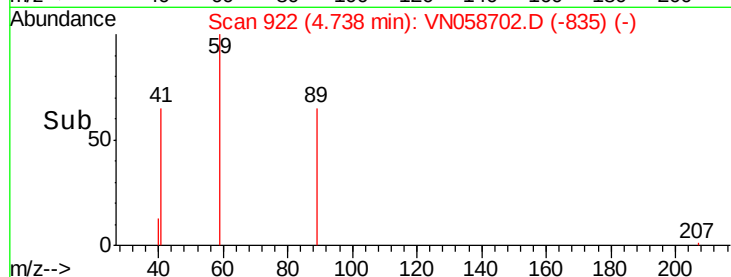
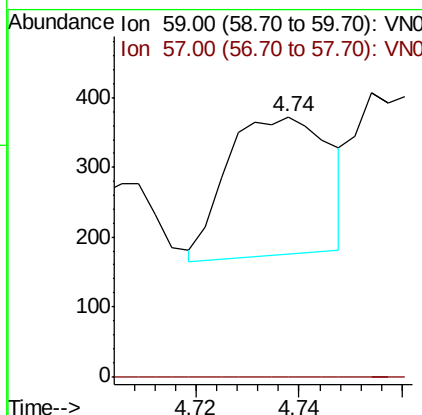
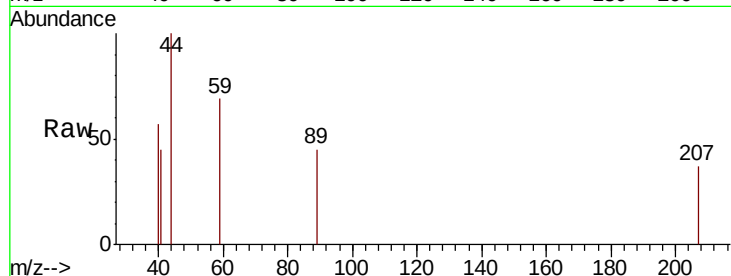


#11

Tert butyl alcohol
 Concen: 0.278 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

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

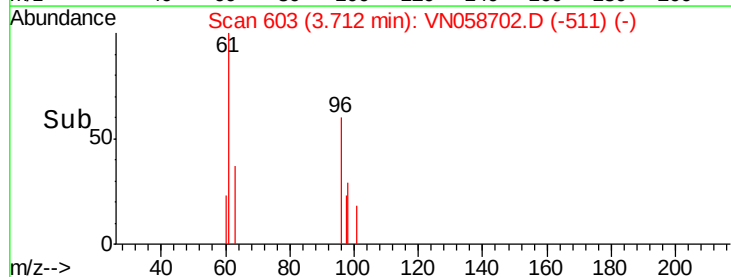
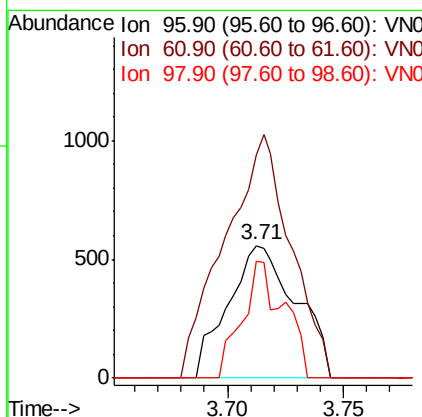
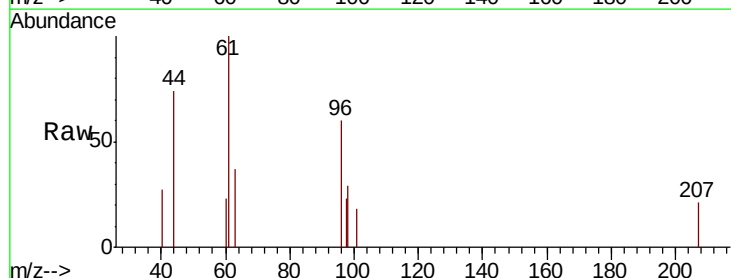
Tot Ion: 59 Resp: 275
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

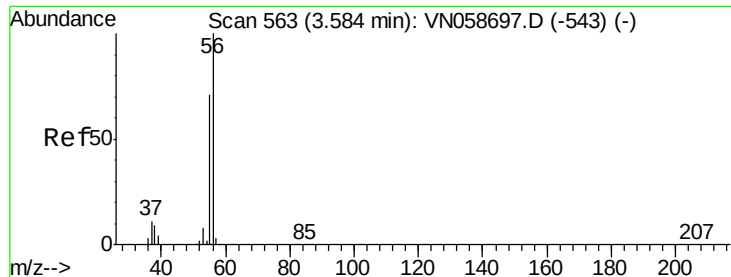


#12

1,1-Dichloroethene
 Concen: 0.272 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion: 96 Resp: 1140
 Ion Ratio Lower Upper
 96 100
 61 167.8 151.3 226.9
 98 87.7 52.6 78.8#





#13

Acrolein

Concen: 0.582 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

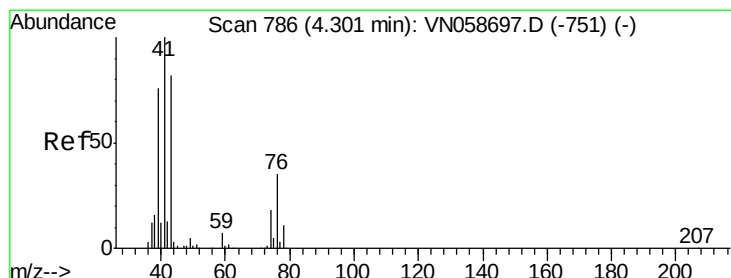
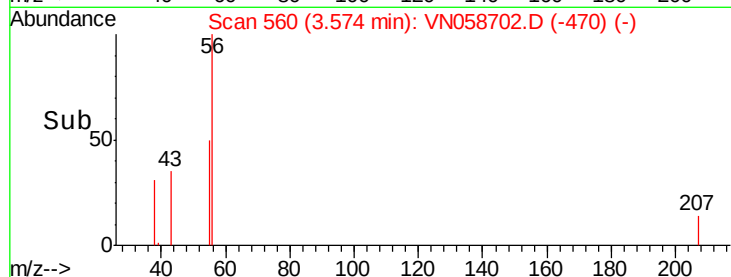
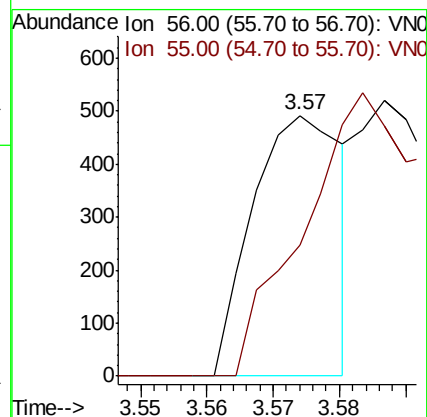
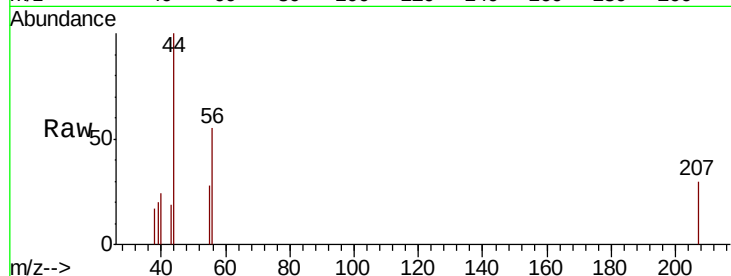
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 463

Ion Ratio Lower Upper

56 100

55 187.5 56.7 85.1#



#14

Allyl chloride

Concen: 0.281 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

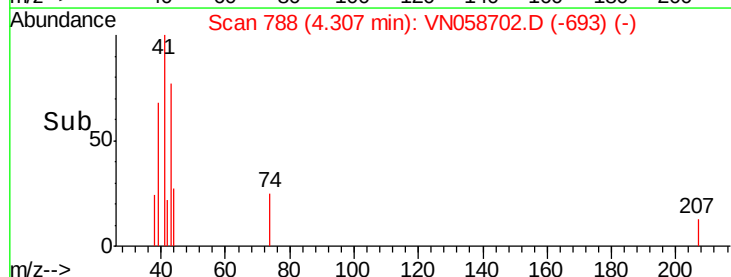
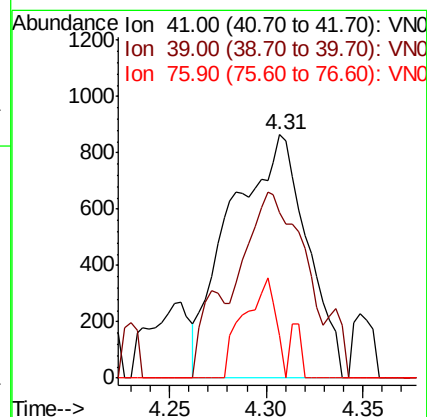
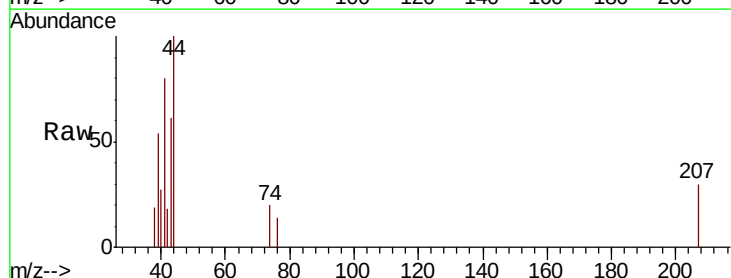
Tgt Ion: 41 Resp: 2379

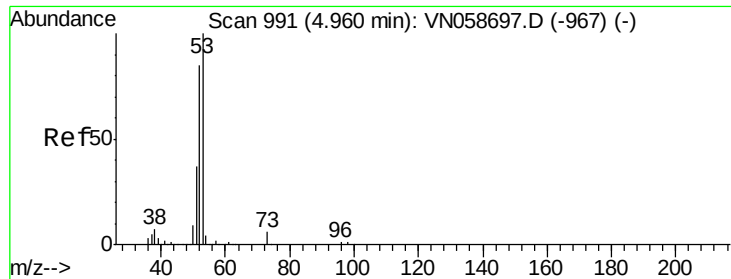
Ion Ratio Lower Upper

41 100

39 44.5 57.2 85.8#

76 17.3 25.0 37.6#





#15

Acrylonitrile

Concen: 1.130 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

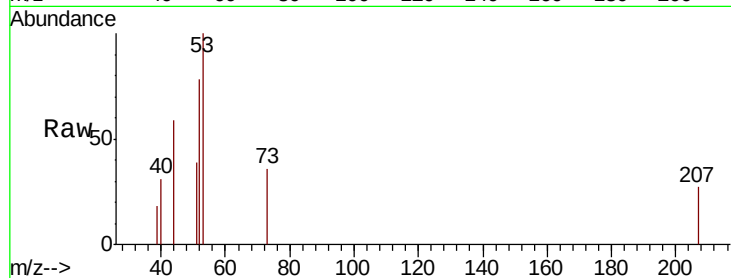
Tot Ion: 53 Resp: 2821

Ion Ratio Lower Upper

53 100

52 60.5 66.2 99.2#

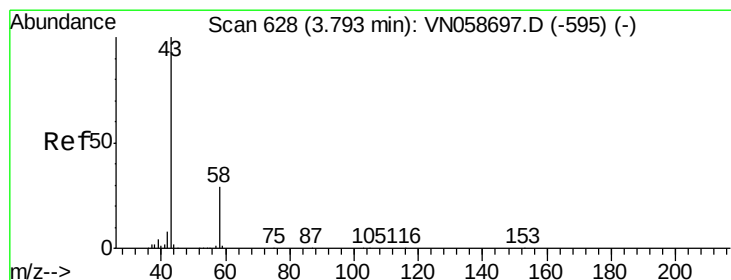
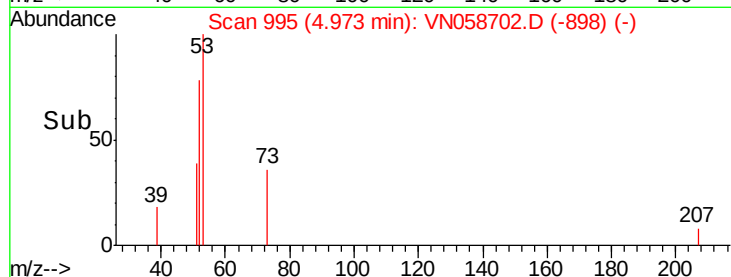
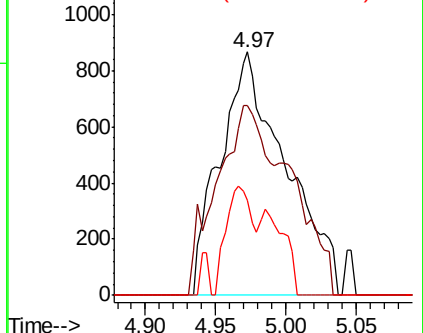
51 18.1 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 1.552 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058702.D

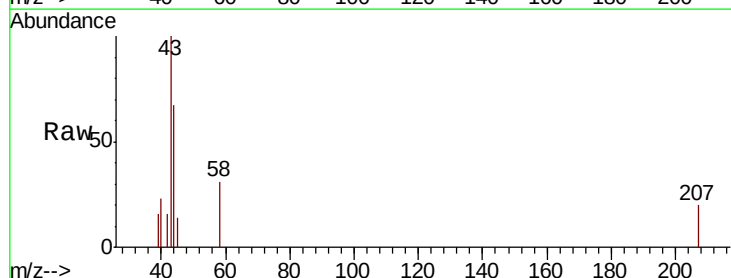
Acq: 11 Oct 2019 14:52

Tgt Ion: 43 Resp: 3925

Ion Ratio Lower Upper

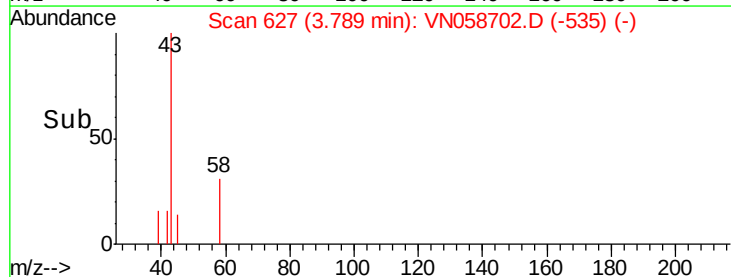
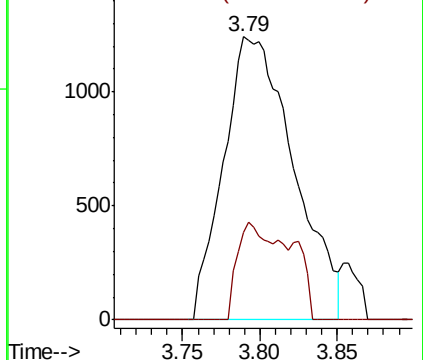
43 100

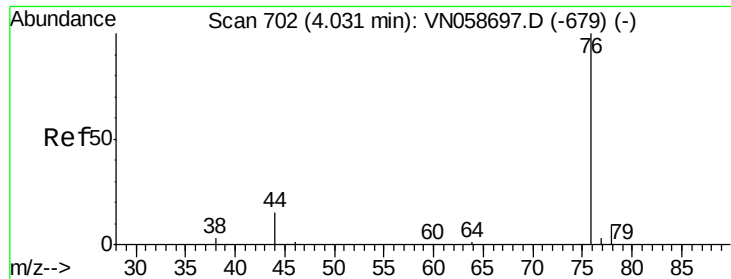
58 31.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

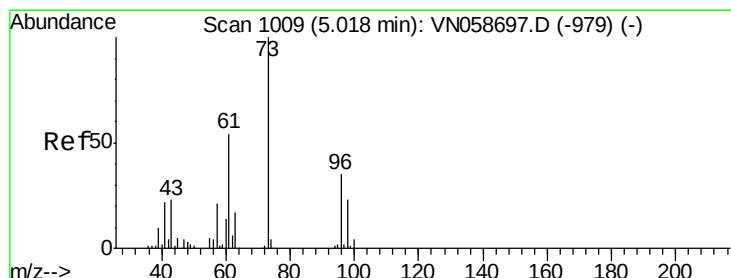
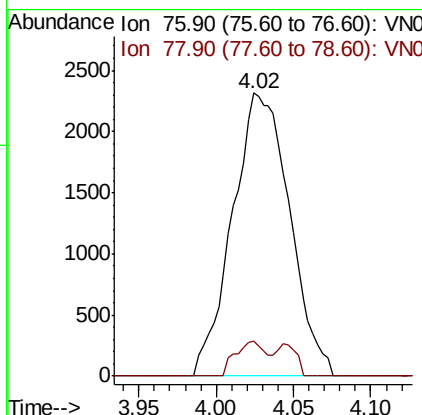
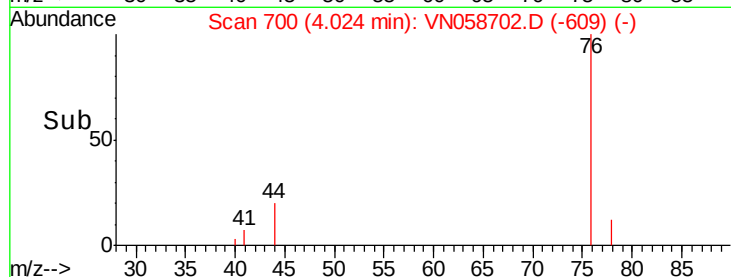
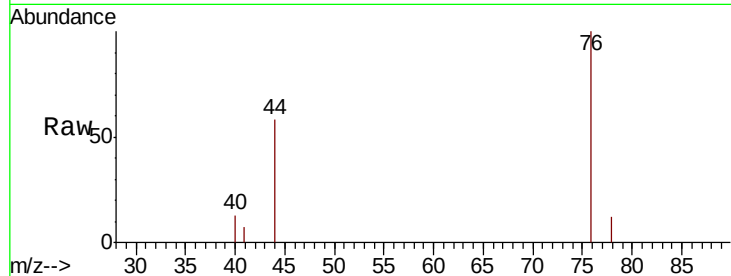




#17
Carbon Disulfide
Concen: 0.444 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

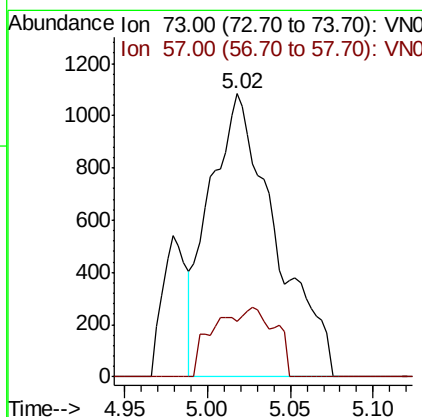
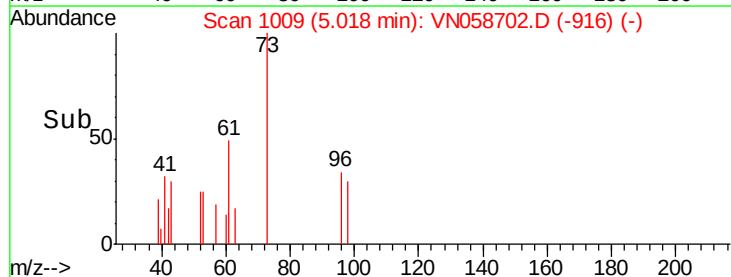
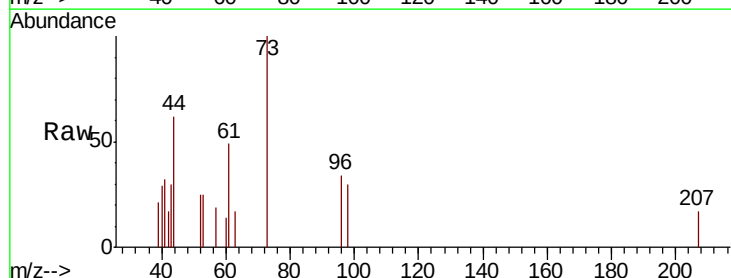
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

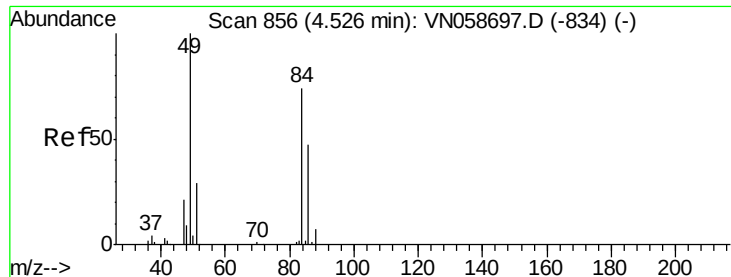
Tot Ion: 76 Resp: 5948
Ion Ratio Lower Upper
76 100
78 12.2 7.1 10.7#



#19
Methyl tert-butyl Ether
Concen: 0.200 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 73 Resp: 2994
Ion Ratio Lower Upper
73 100
57 19.5 17.0 25.6

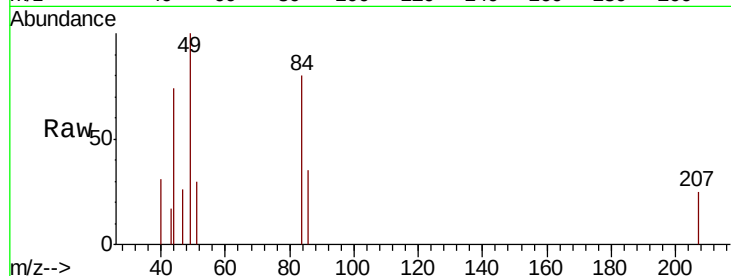




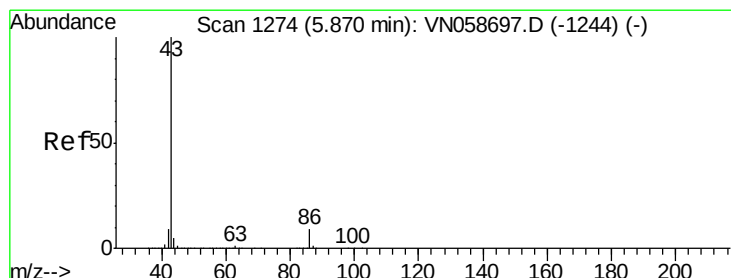
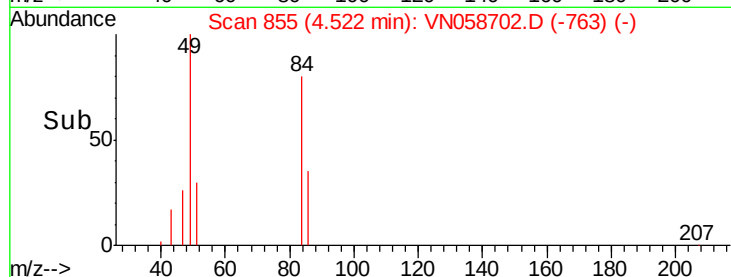
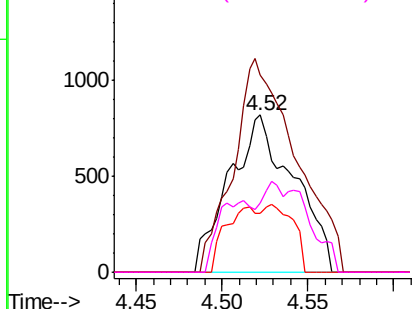
#20
Methvlene Chloride
Concen: 0.404 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

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

Tot Ion: 84 Resp: 2135
Ion Ratio Lower Upper
84 100
49 125.5 107.6 161.4
51 37.6 31.4 47.0
86 44.3 50.3 75.5#

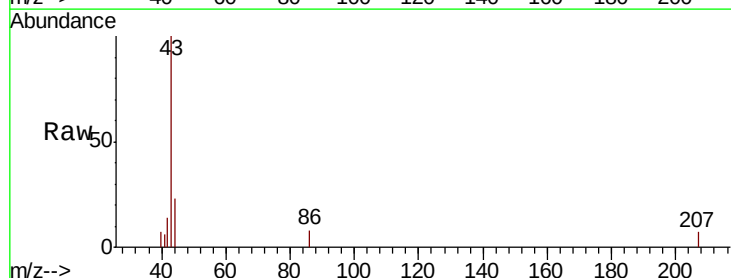


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

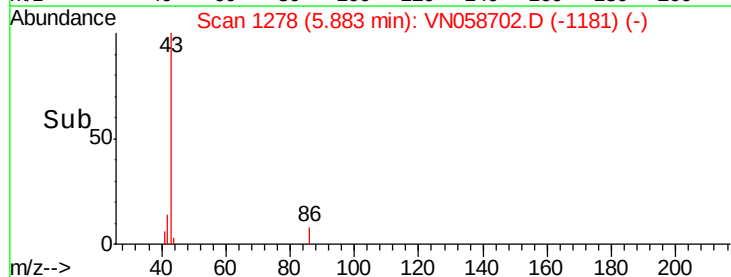
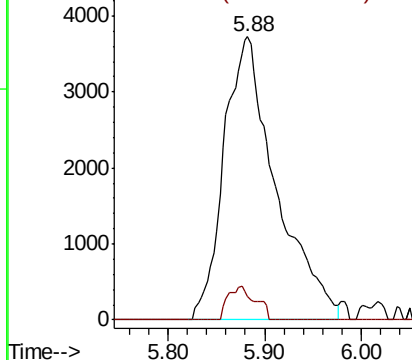


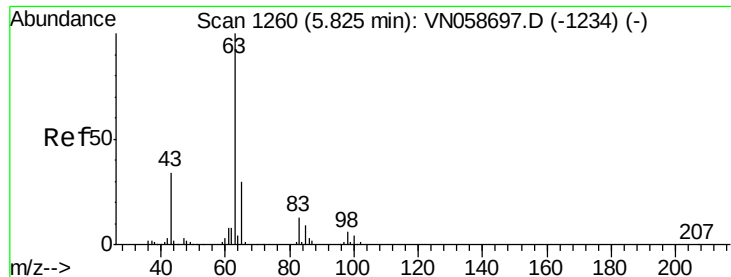
#23
Vinyl Acetate
Concen: 1.049 ug/l
RT: 5.88 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 43 Resp: 13919
Ion Ratio Lower Upper
43 100
86 8.3 7.4 11.0



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





#24

1,1-Dichloroethane

Concen: 0.230 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

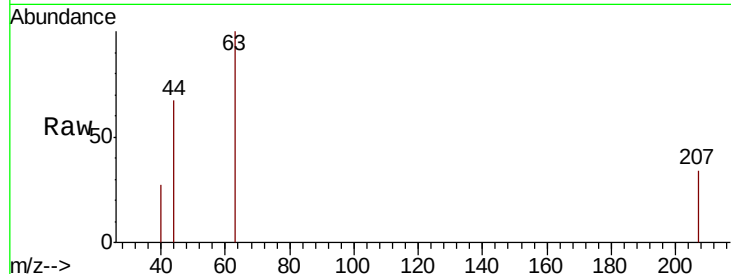
Tot Ion: 63 Resp: 2151

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

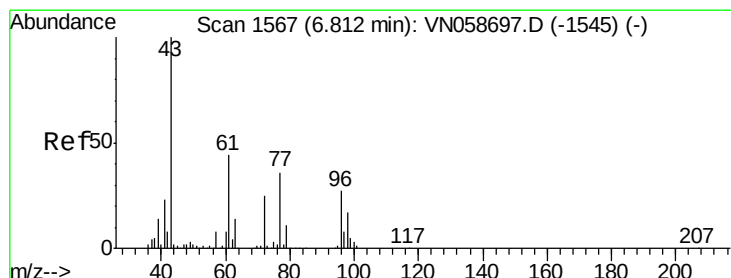
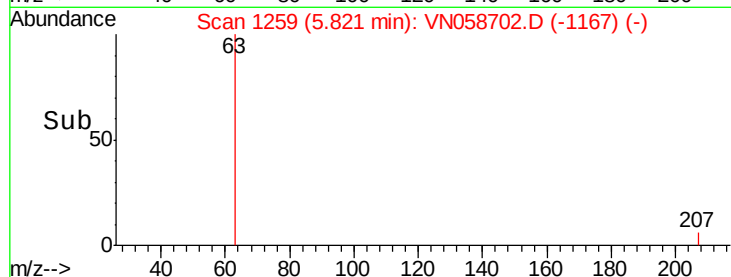
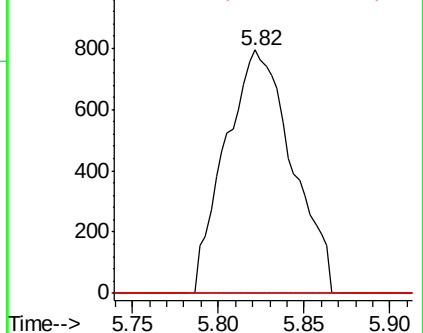
100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VN058702.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058702.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058702.D (-1167) (-)



#25

2-Butanone

Concen: 1.389 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058702.D

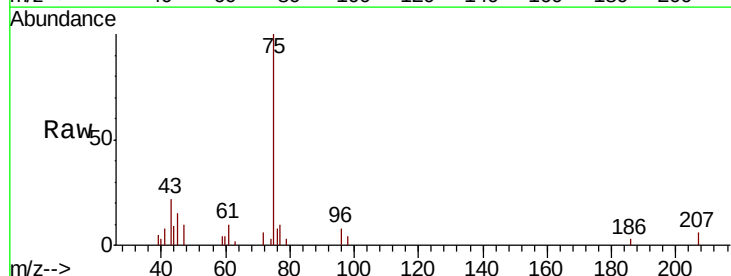
Acq: 11 Oct 2019 14:52

Tgt Ion: 43 Resp: 5078

Ion Ratio Lower Upper

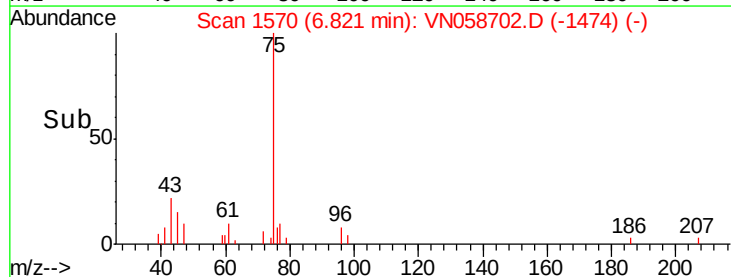
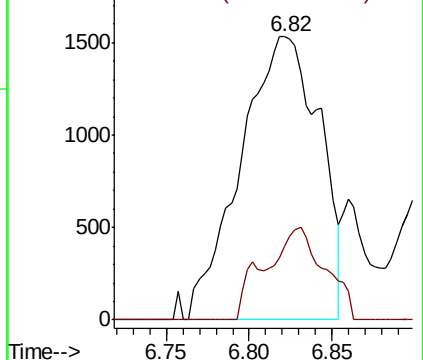
43 100

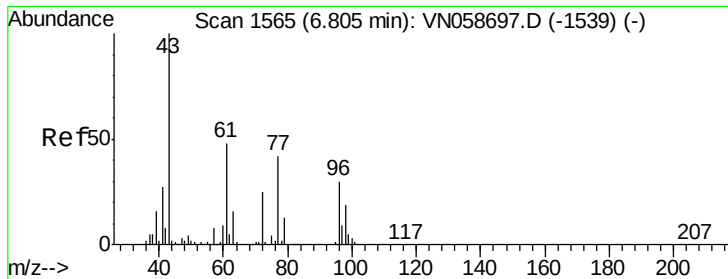
72 25.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN058702.D (-1474) (-)

Ion 72.00 (71.70 to 72.70): VN058702.D (-1474) (-)





#26

2,2-Dichloropropane

Concen: 0.421 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

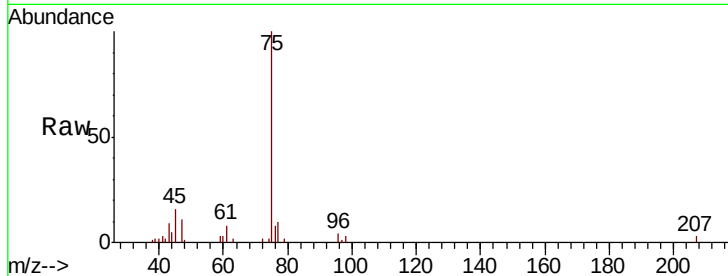
LOQ-WATER-02-QT4-2019

Tot Ion: 77 Resp: 3602

Ion Ratio Lower Upper

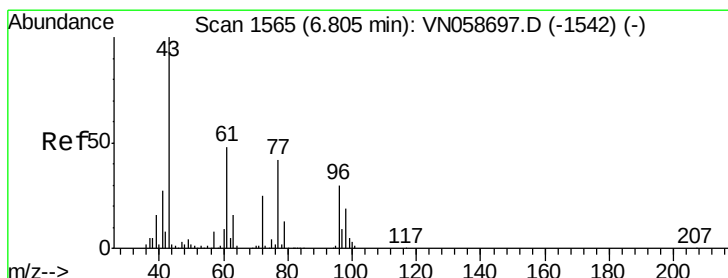
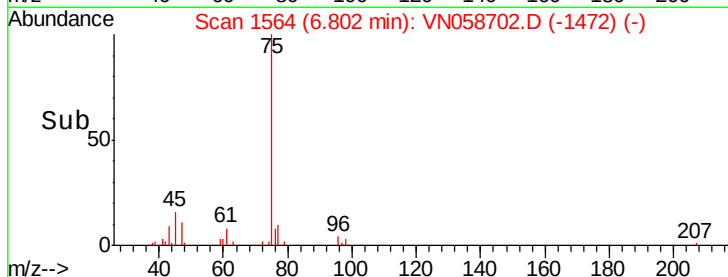
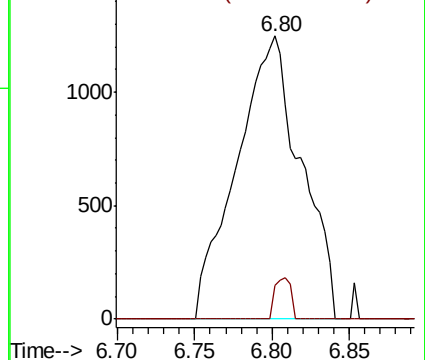
77 100

97 3.6 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.262 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

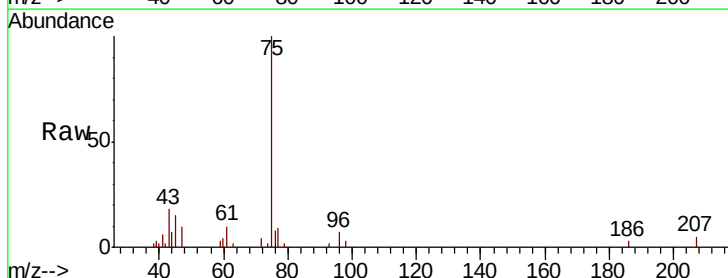
Tgt Ion: 96 Resp: 1434

Ion Ratio Lower Upper

96 100

61 0.0 0.0 324.8

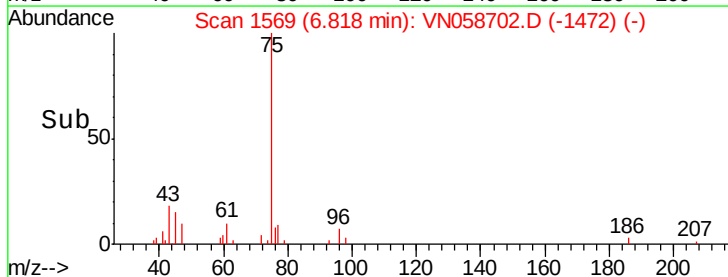
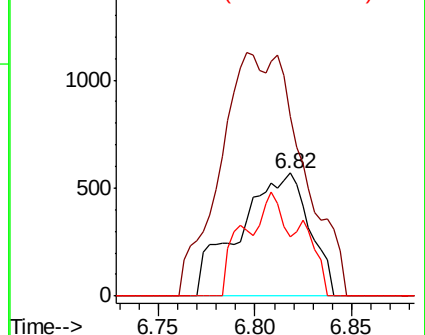
98 13.8 0.0 129.2

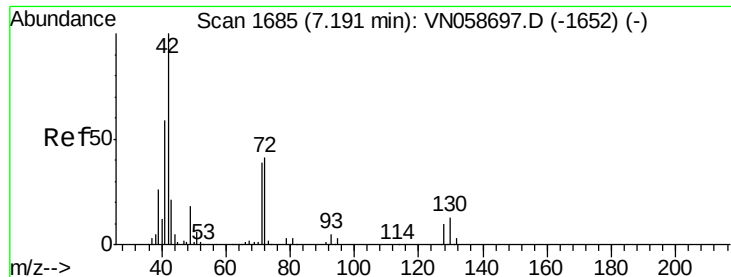


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

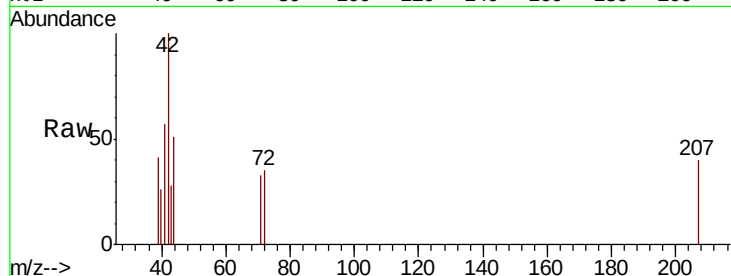




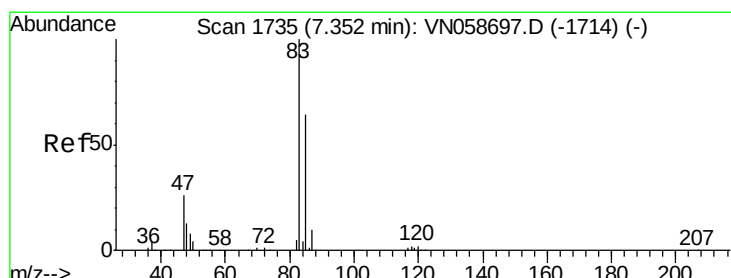
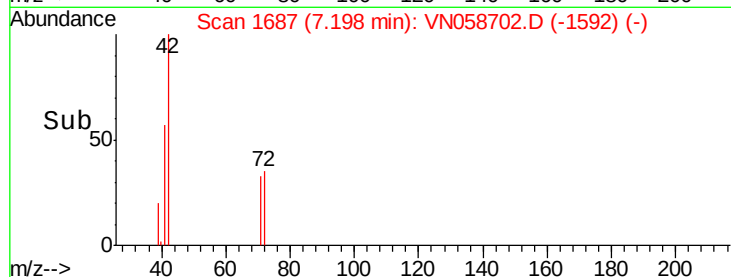
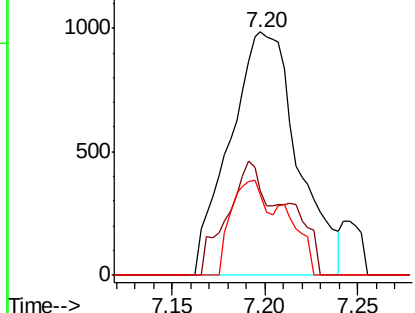
#29
Tetrahydrofuran
Concen: 1.067 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

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

Tot Ion: 42 Resp: 2521
Ion Ratio Lower Upper
42 100
72 26.8 32.8 49.2#
71 20.8 31.1 46.7#

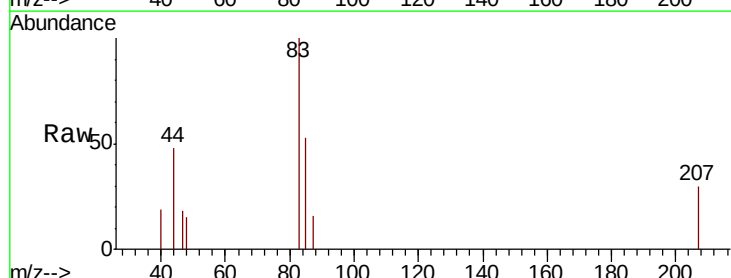


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

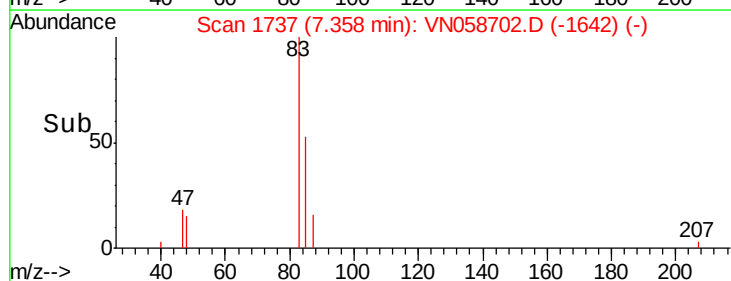
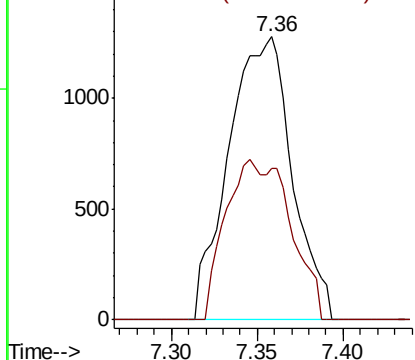


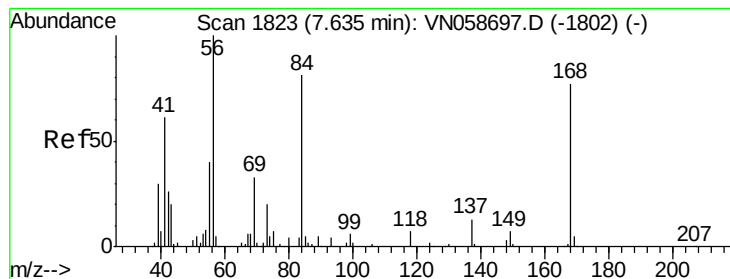
#30
Chloroform
Concen: 0.348 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 83 Resp: 3279
Ion Ratio Lower Upper
83 100
85 53.4 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: 1.329 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

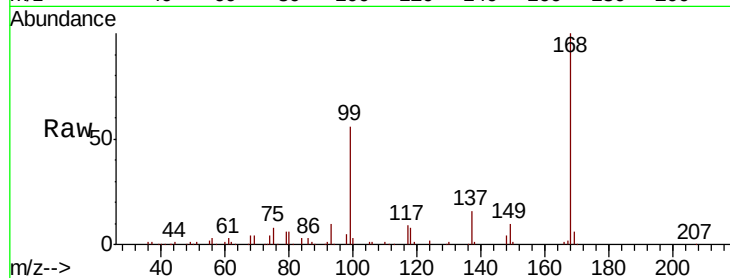
Tot Ion: 56 Resp: 11909

Ion Ratio Lower Upper

56 100

69 140.9 26.2 39.4#

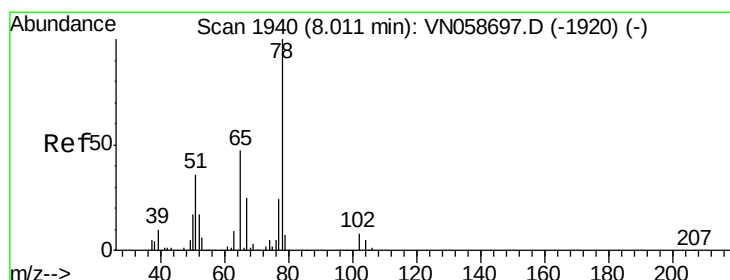
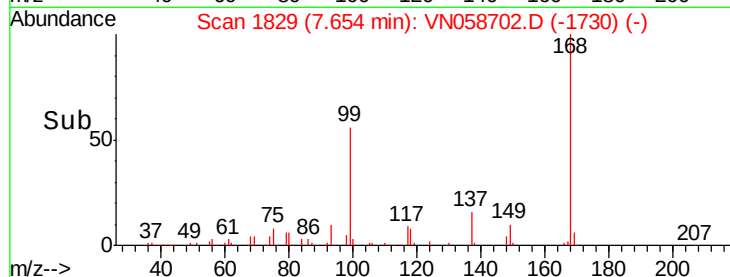
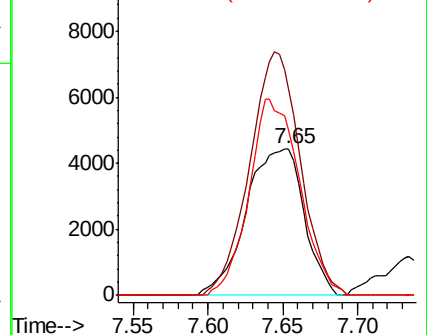
84 112.6 64.9 97.3#



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



#33

1,2-Dichloroethane-d4

Concen: 50.994 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058702.D

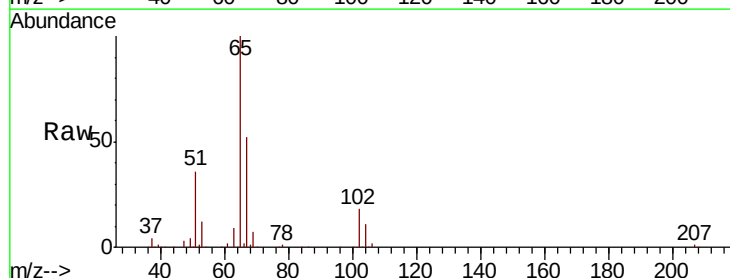
Acq: 11 Oct 2019 14:52

Tgt Ion: 65 Resp: 311584

Ion Ratio Lower Upper

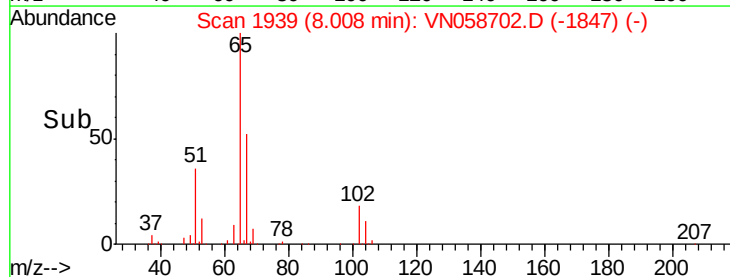
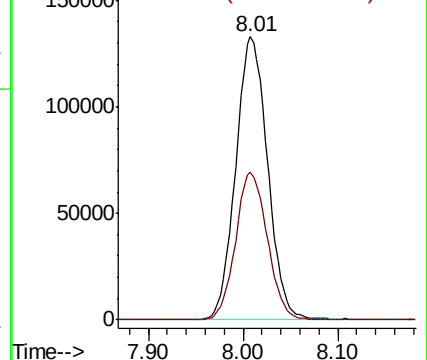
65 100

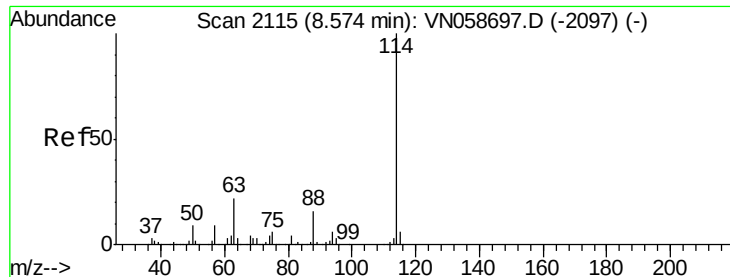
67 51.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

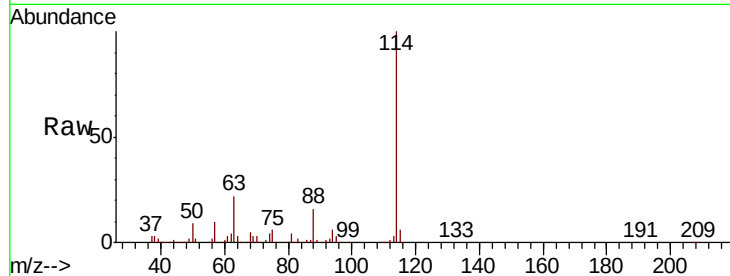




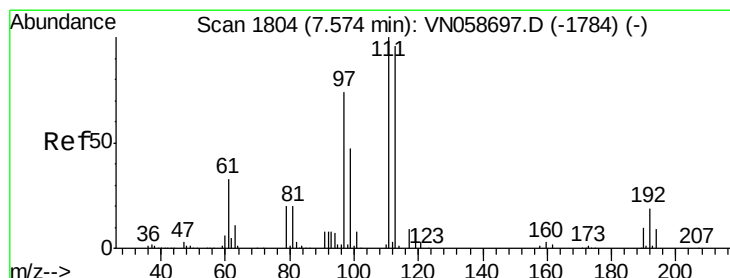
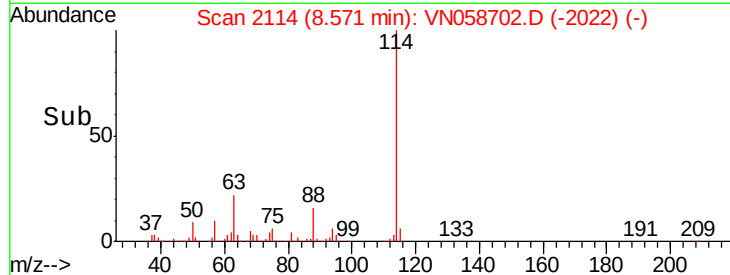
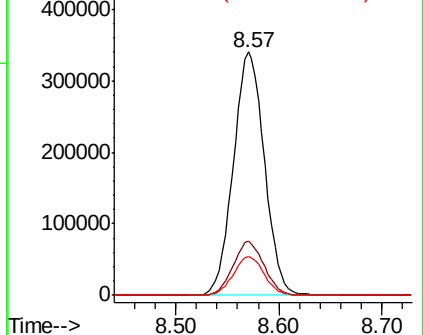
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.1	0.0	32.0

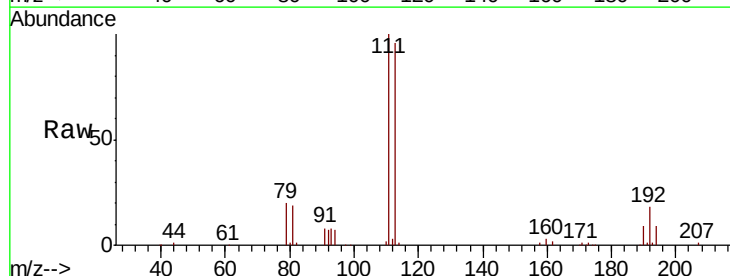


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

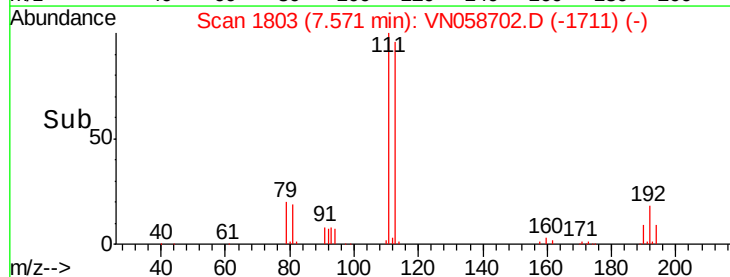
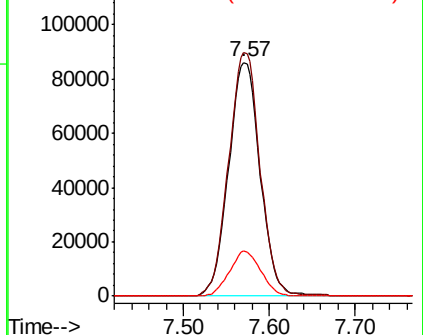


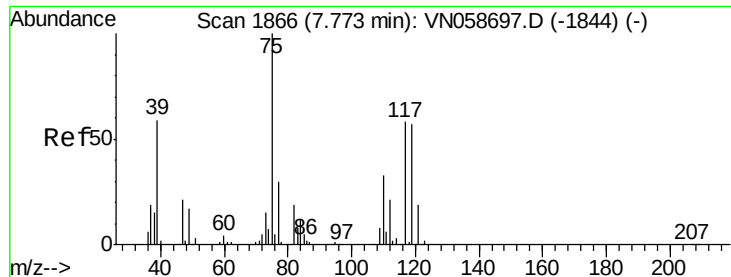
#35
 Dibromofluoromethane
 Concen: 49.832 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	19.2	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

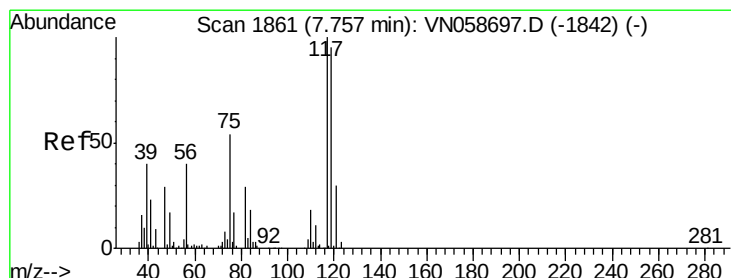
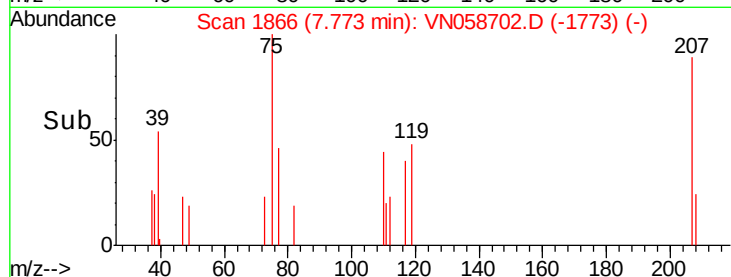
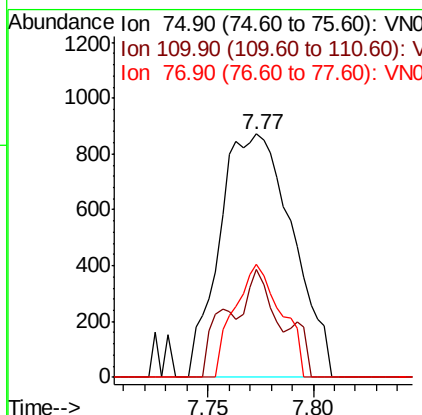
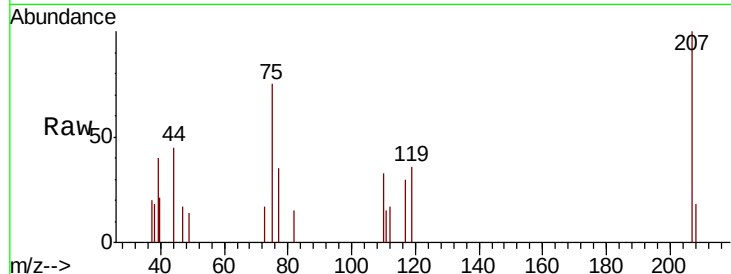




#36
 1,1-Dichloropropene
 Concen: 0.291 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

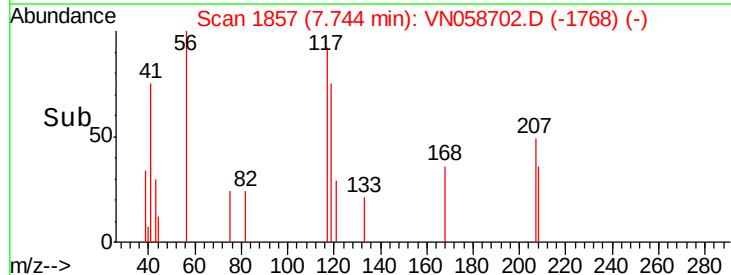
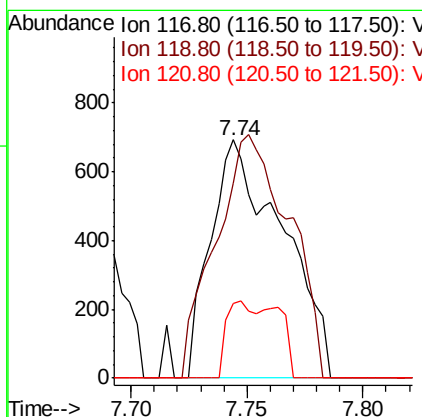
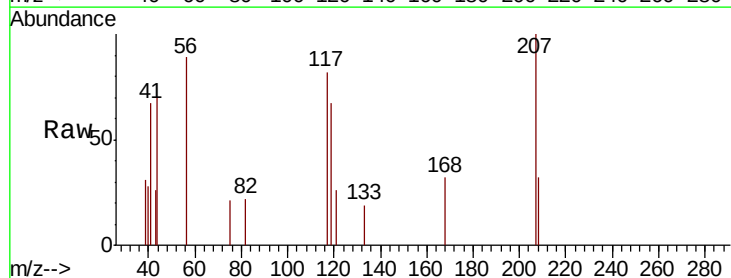
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

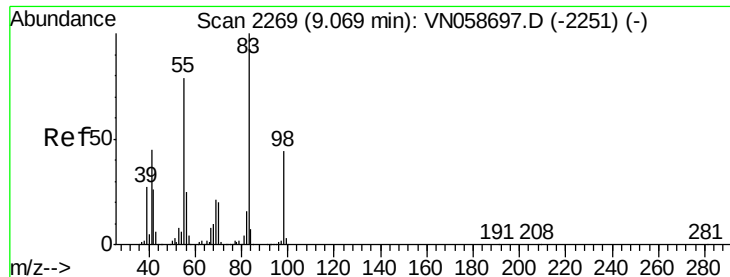
Tot Ion	75	Resp	2093
Ion Ratio	Lower	Upper	
75	100		
110	9.6	16.6	49.8#
77	29.9	24.6	37.0



#38
 Carbon Tetrachloride
 Concen: 0.214 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion	117	Resp	1500
Ion Ratio	Lower	Upper	
117	100		
119	81.8	75.7	113.5
121	31.3	23.9	35.9

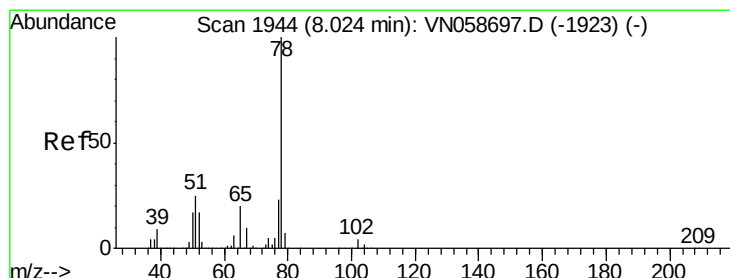
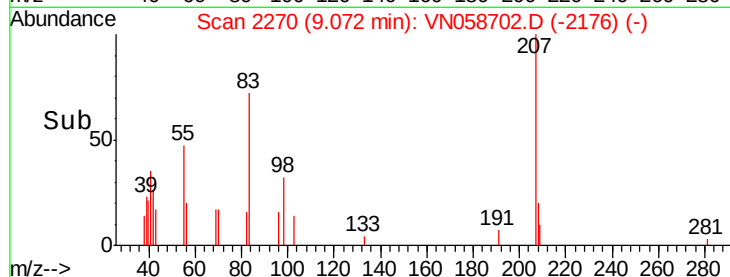
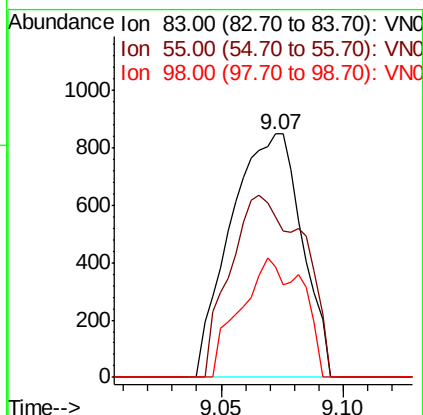
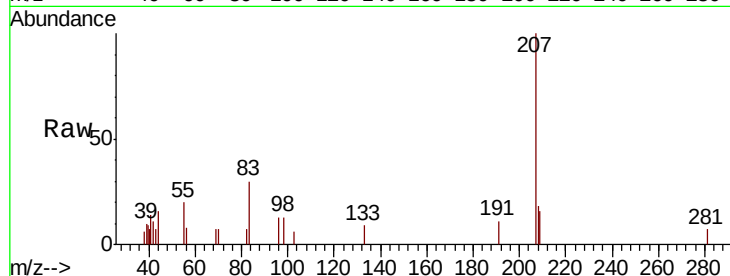




#39
Methylvlcyclohexane
Concen: 0.205 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

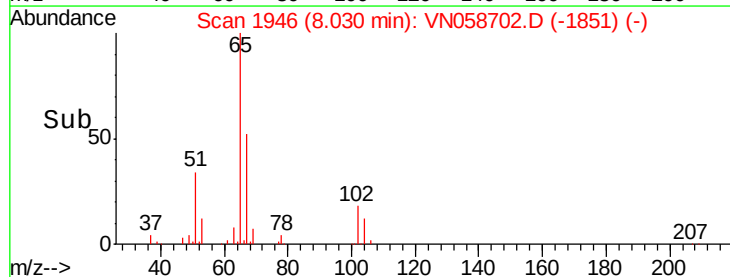
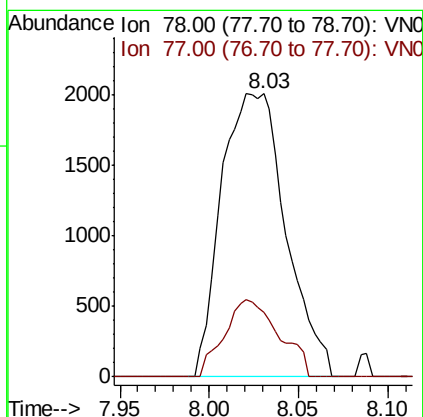
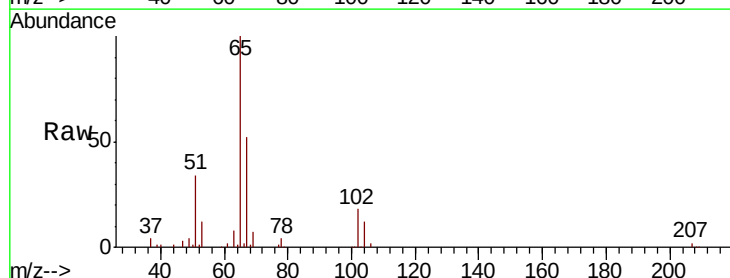
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

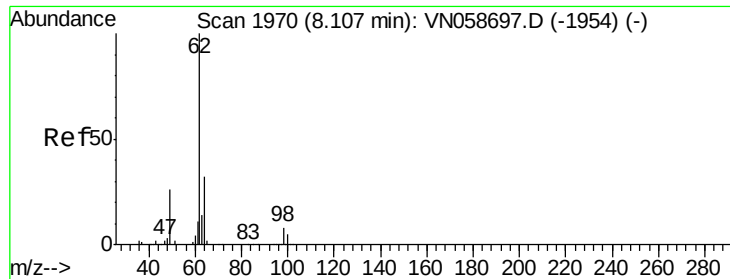
Tot Ion: 83 Resp: 1717
Ion Ratio Lower Upper
83 100
55 65.8 63.4 95.0
98 45.3 35.1 52.7



#40
Benzene
Concen: 0.244 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 78 Resp: 5046
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

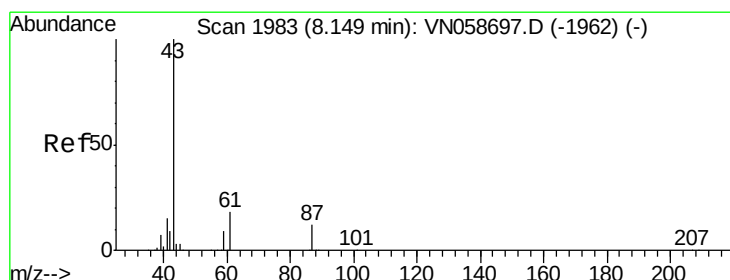
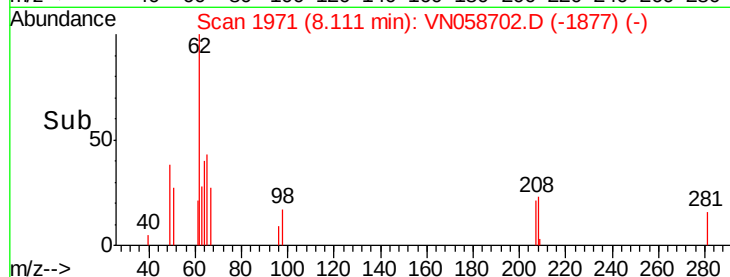
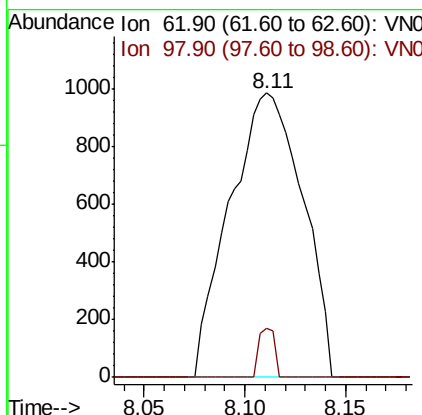
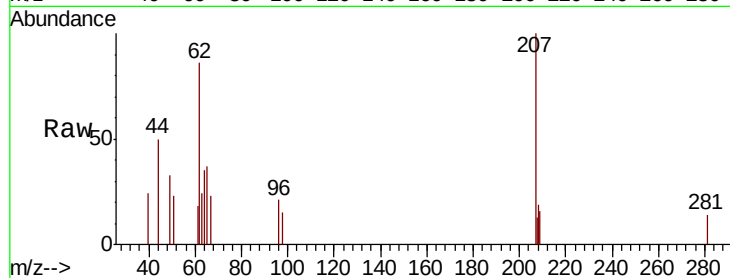




#42
 1,2-Dichloroethane
 Concen: 0.310 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

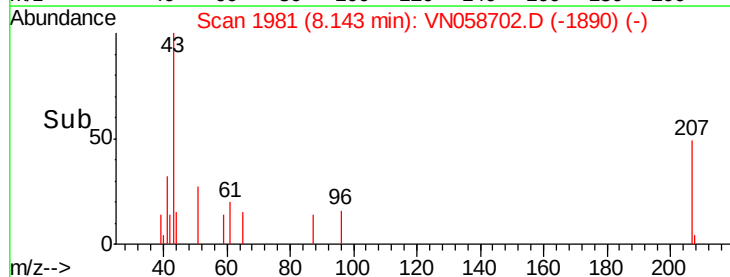
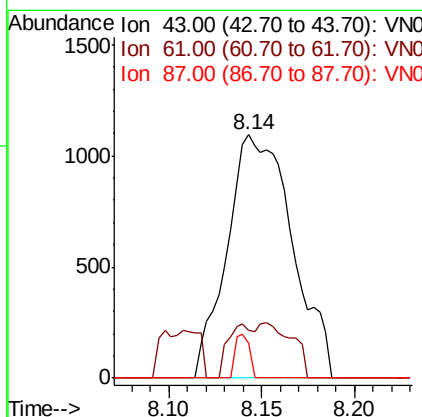
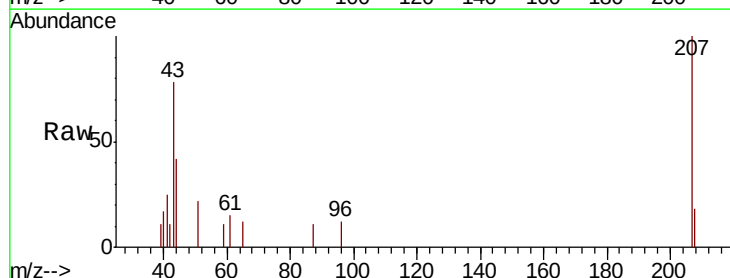
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

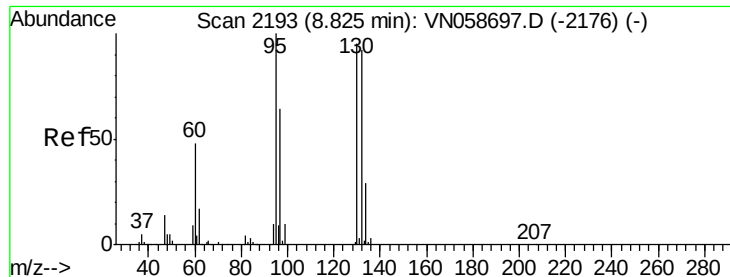
Tot Ion: 62 Resp: 2461
 Ion Ratio Lower Upper
 62 100
 98 3.7 0.0 15.8



#43
 Isopropyl Acetate
 Concen: 0.216 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.01 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion: 43 Resp: 2681
 Ion Ratio Lower Upper
 43 100
 61 8.9 20.3 30.5#
 87 3.9 9.8 14.6#

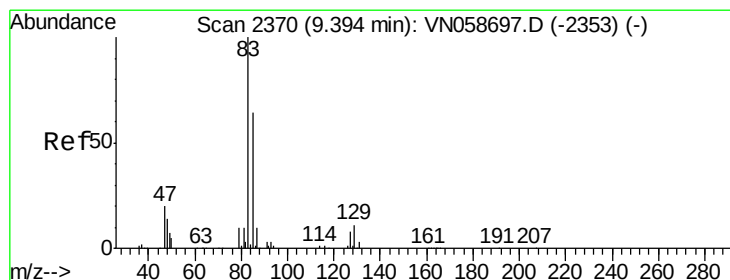
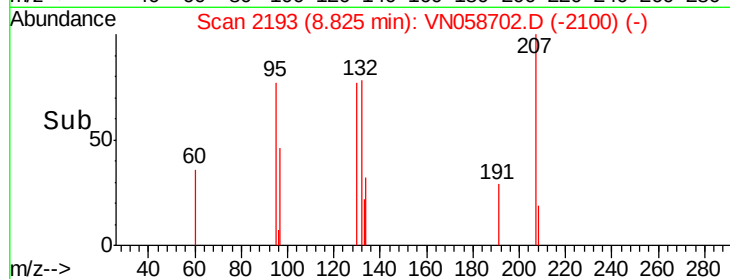
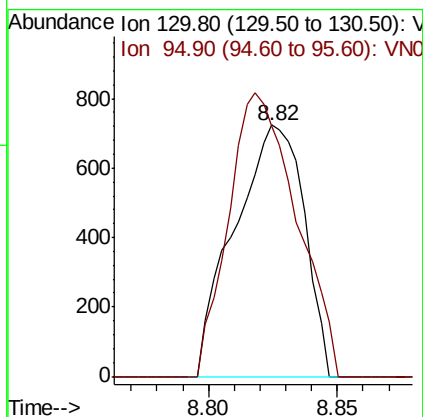
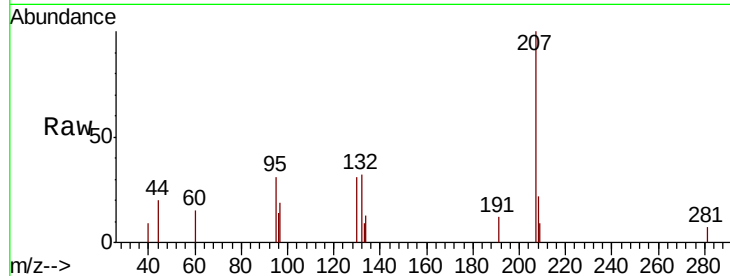




#44
 Trichloroethene
 Concen: 0.265 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

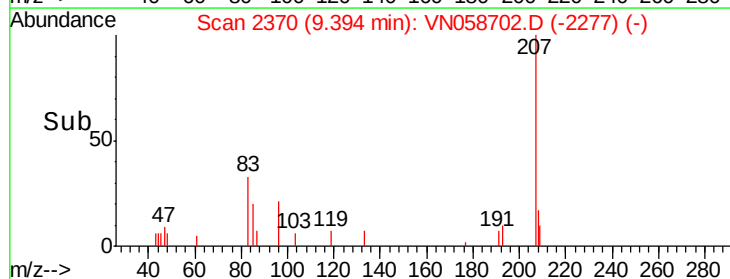
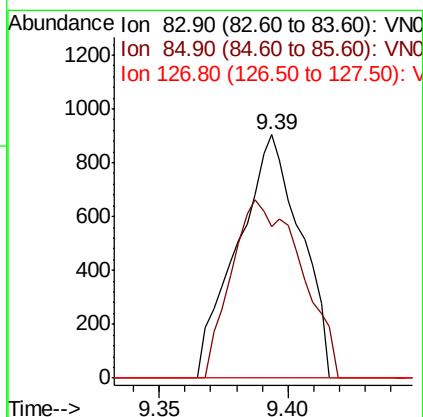
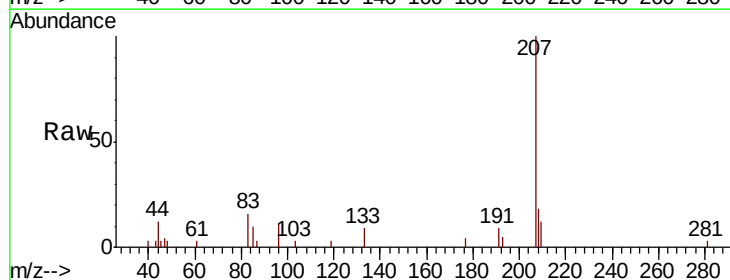
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

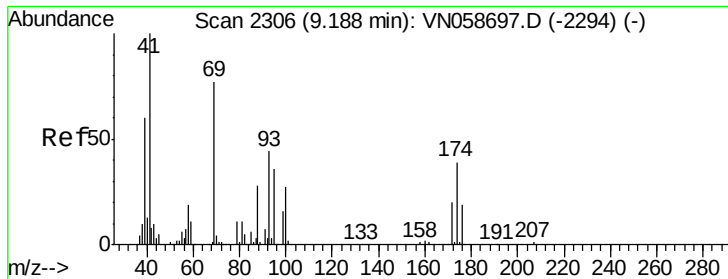
Tot Ion:130 Resp: 1359
 Ion Ratio Lower Upper
 130 100
 95 99.7 0.0 211.2



#47
 Bromodichloromethane
 Concen: 0.215 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion: 83 Resp: 1536
 Ion Ratio Lower Upper
 83 100
 85 62.2 50.9 76.3
 127 0.0 6.3 9.5#

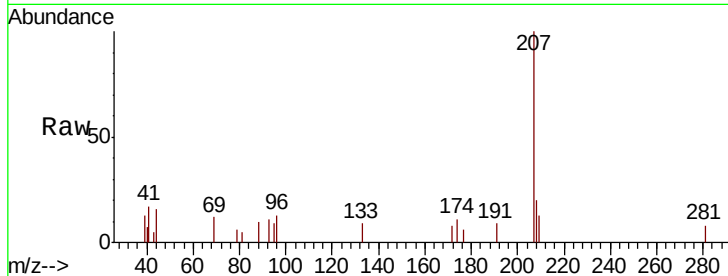




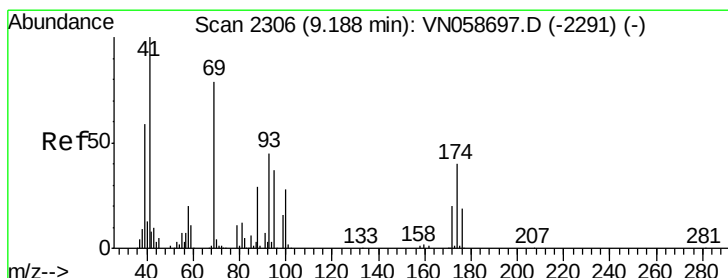
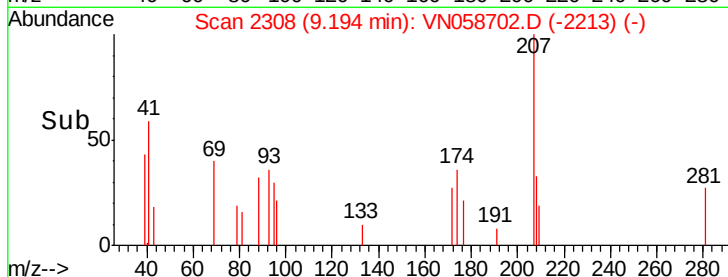
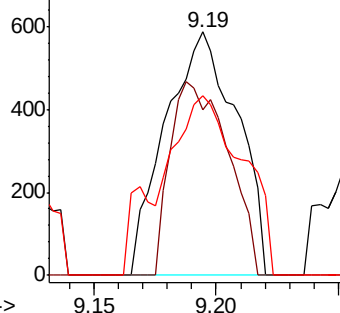
#48
Methvl methacrylate
Concen: 0.212 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

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

Tot Ion: 41 Resp: 1194
Ion Ratio Lower Upper
41 100
69 64.5 63.4 95.2
39 71.7 48.9 73.3

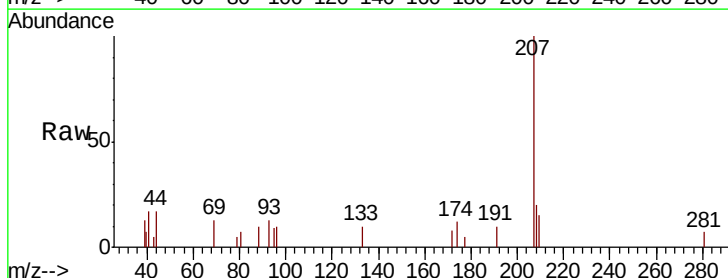


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

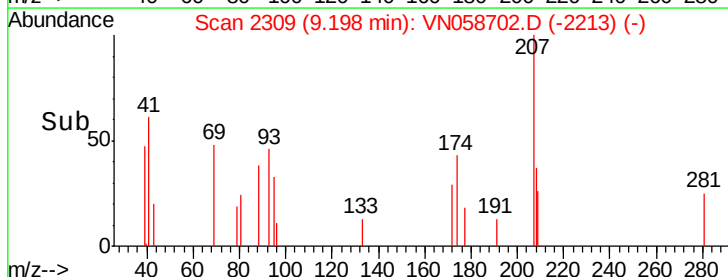
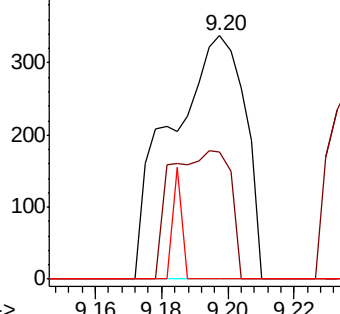


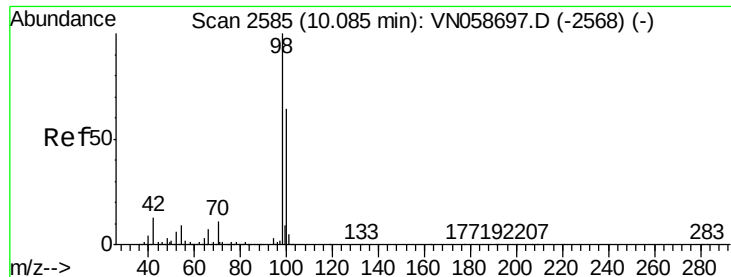
#49
1,4-Dioxane
Concen: 6.022 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 88 Resp: 524
Ion Ratio Lower Upper
88 100
43 42.2 28.6 43.0
58 5.7 57.2 85.8#



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





#50

Toluene-d8

Concen: 48.007 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

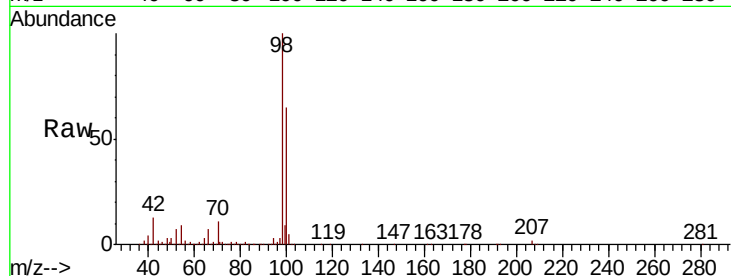
LOQ-WATER-02-QT4-2019

Tot Ion: 98 Resp: 844632

Ion Ratio Lower Upper

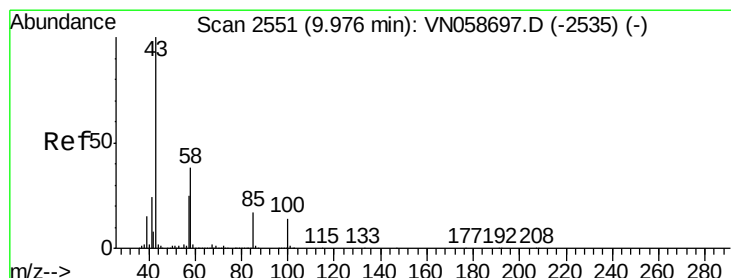
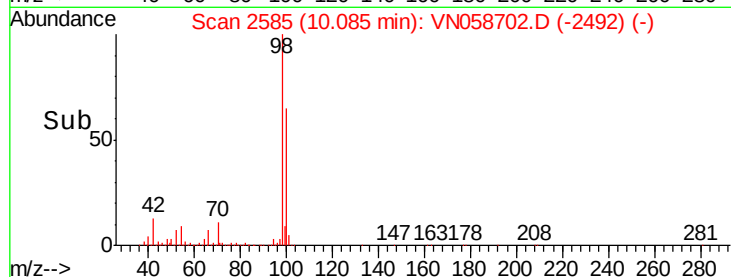
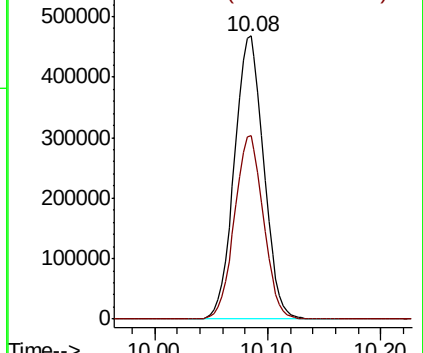
98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.186 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058702.D

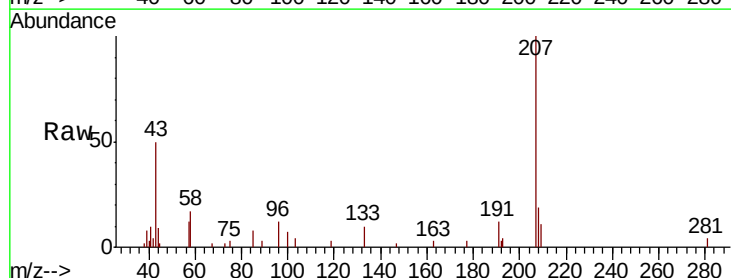
Acq: 11 Oct 2019 14:52

Tgt Ion: 43 Resp: 8262

Ion Ratio Lower Upper

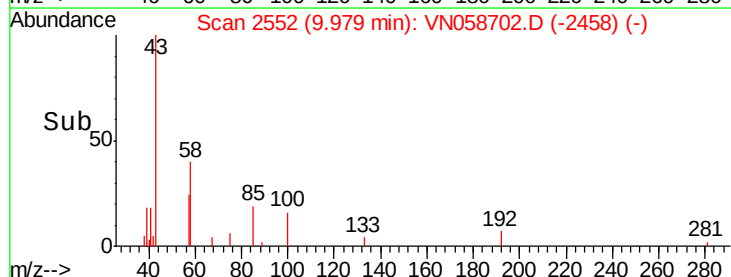
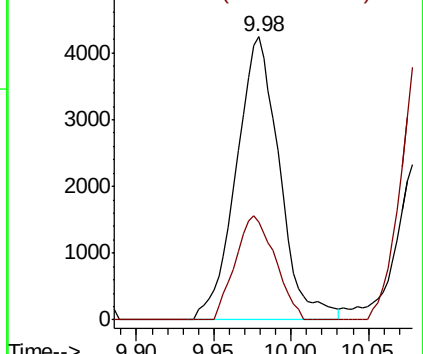
43 100

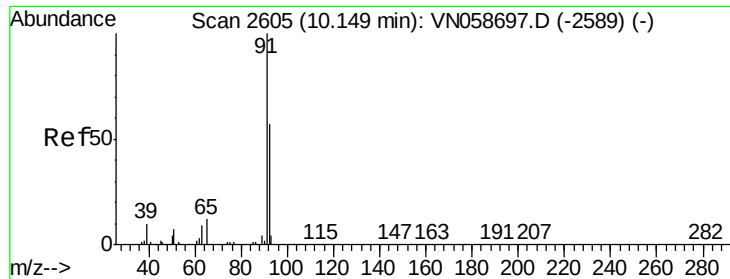
58 33.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.246 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

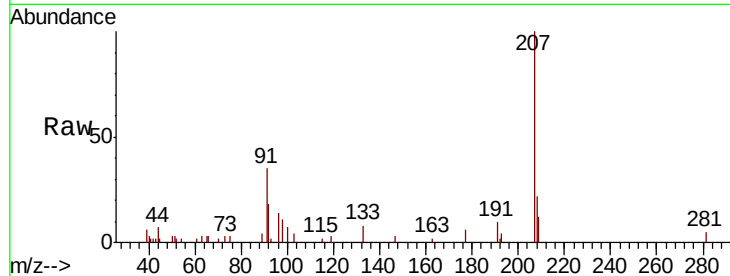
LOQ-WATER-02-QT4-2019

Tot Ion: 92 Resp: 3114

Ion Ratio Lower Upper

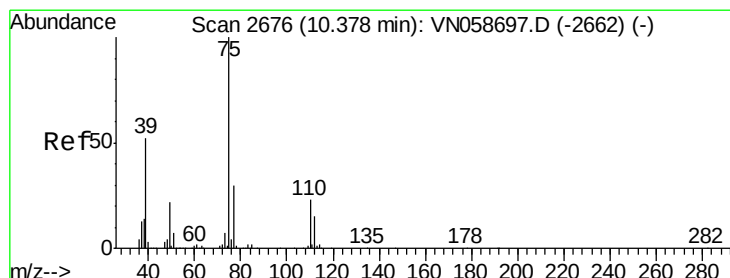
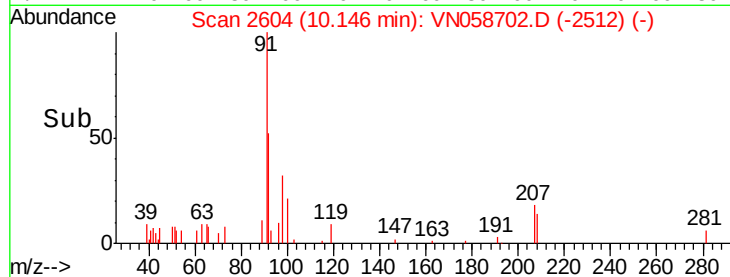
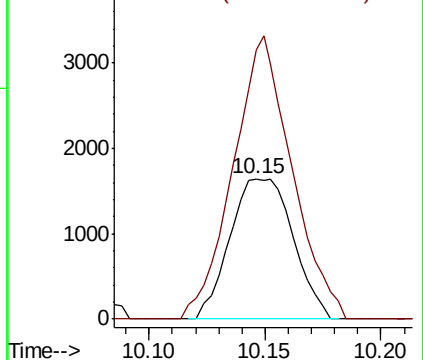
92 100

91 187.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.296 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058702.D

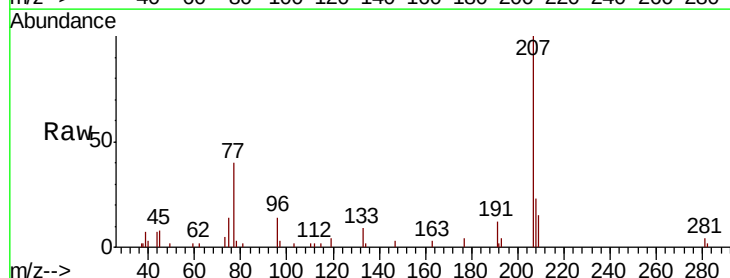
Acq: 11 Oct 2019 14:52

Tgt Ion: 75 Resp: 2428

Ion Ratio Lower Upper

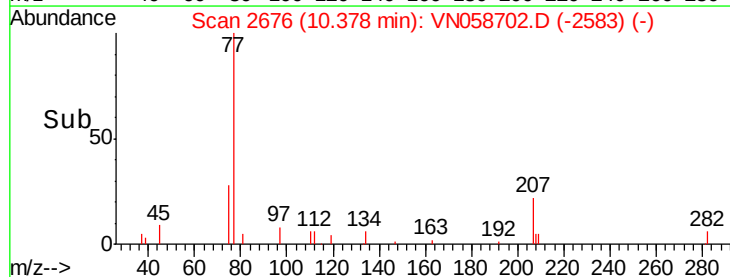
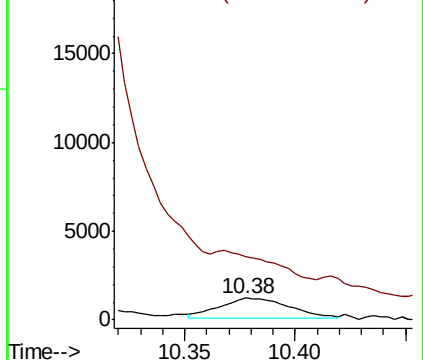
75 100

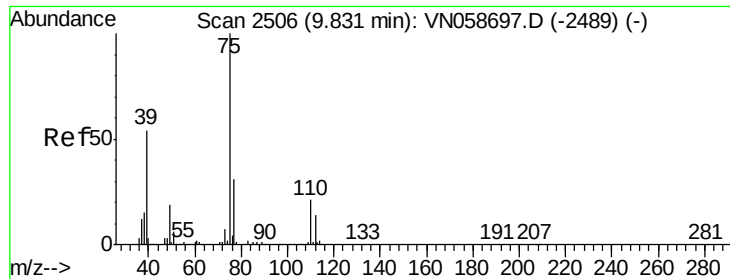
77 122.6 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



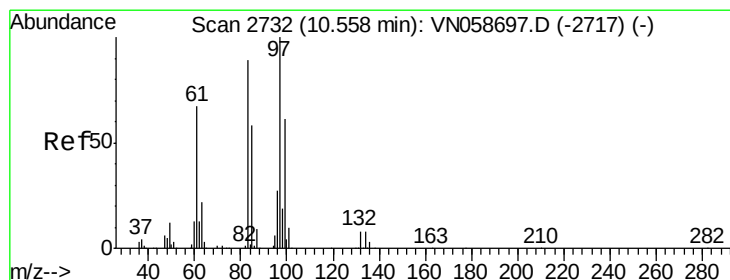
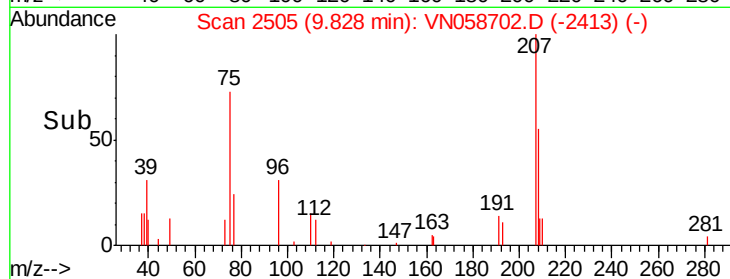
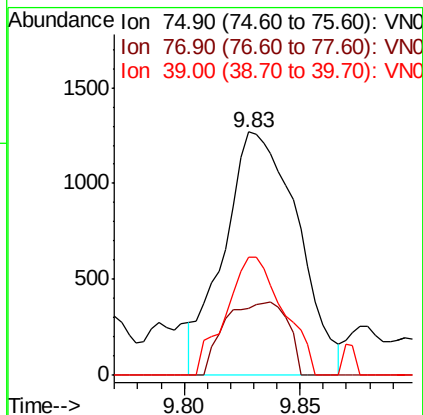
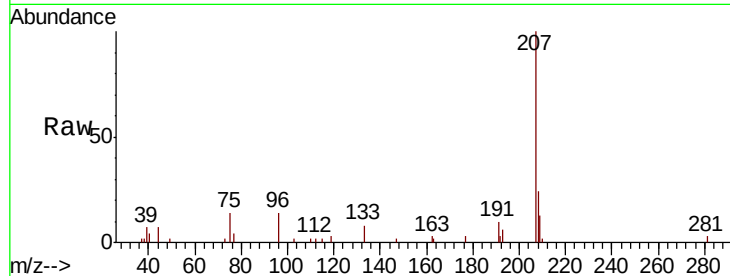


#54

cis-1,3-Dichloropropene
Concen: 0.322 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

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

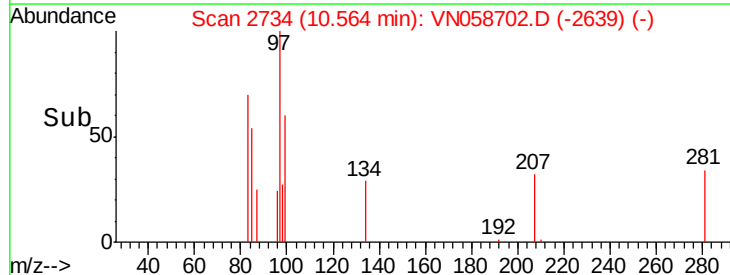
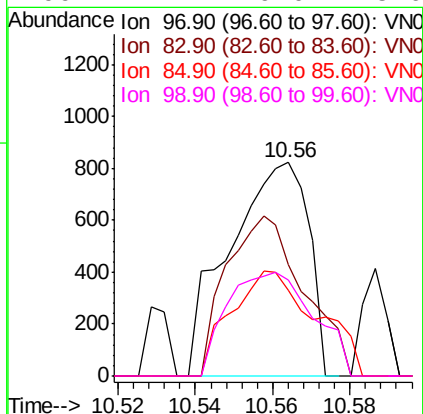
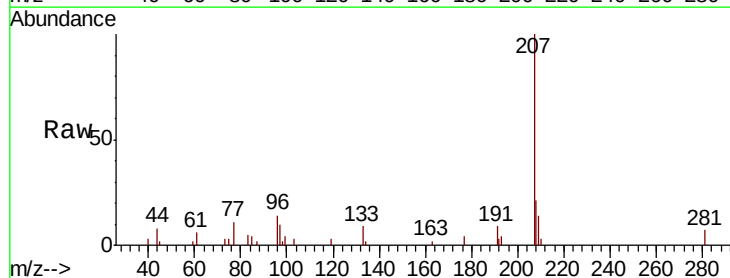
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6
39	55.4	43.1	64.7

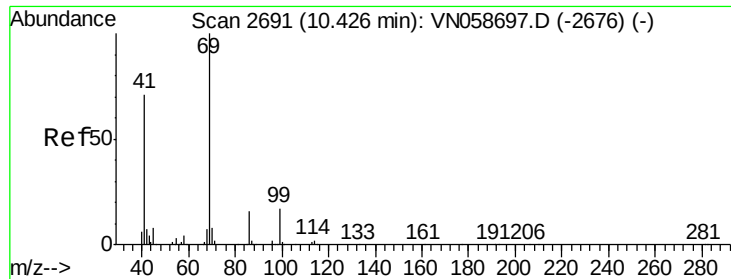


#55

1,1,2-Trichloroethane
Concen: 0.226 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	52.0	71.2	106.8#
85	40.3	46.7	70.1#
99	44.7	49.0	73.6#

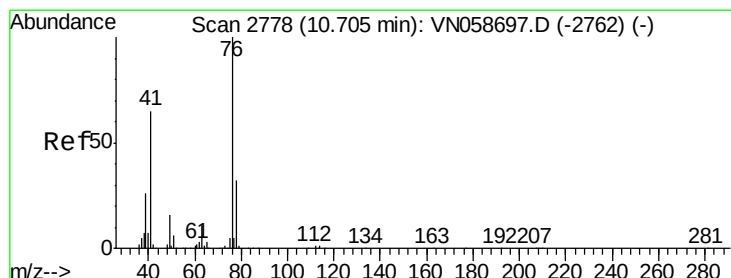
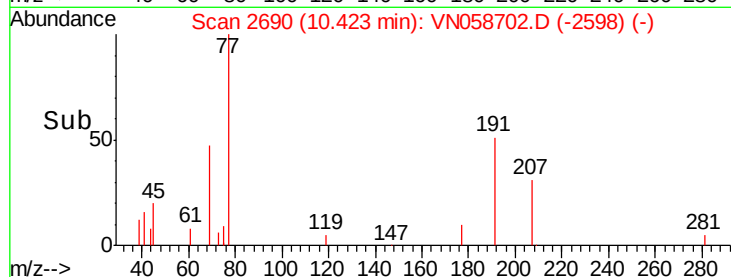
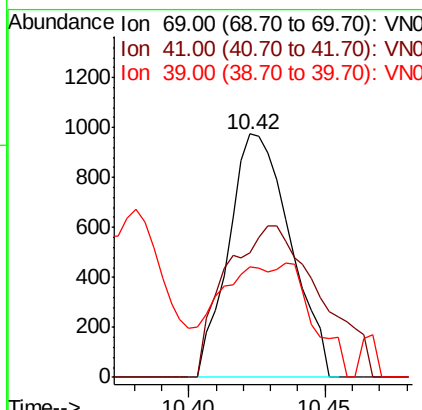
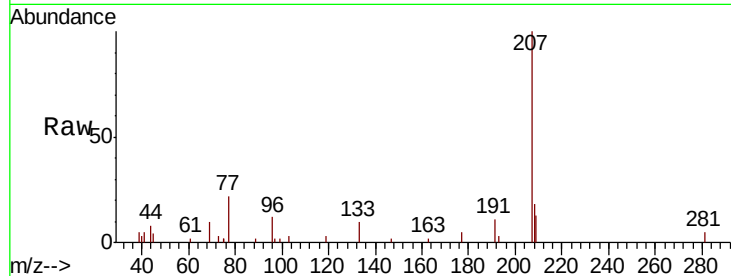




#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. -0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

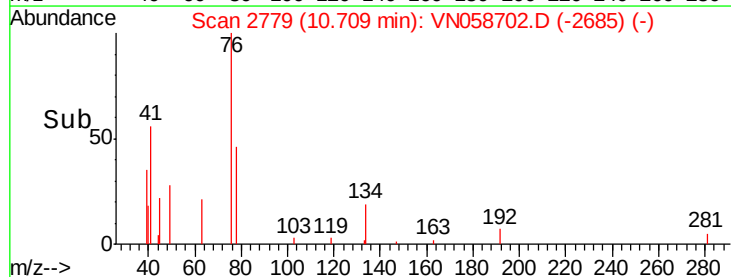
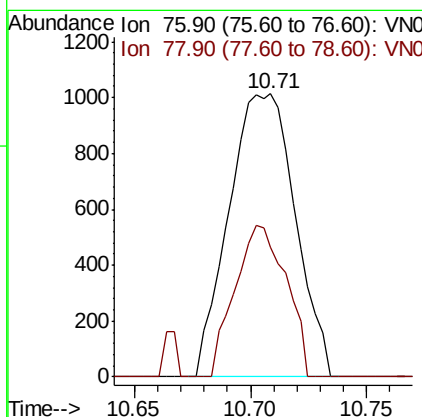
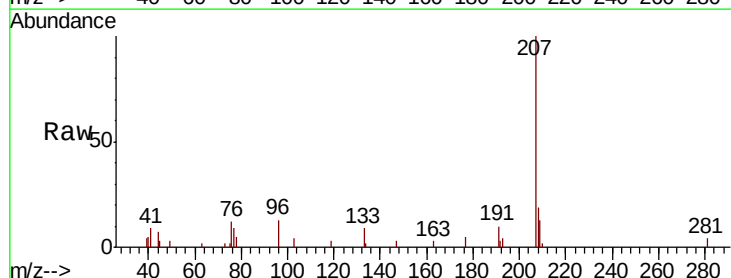
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

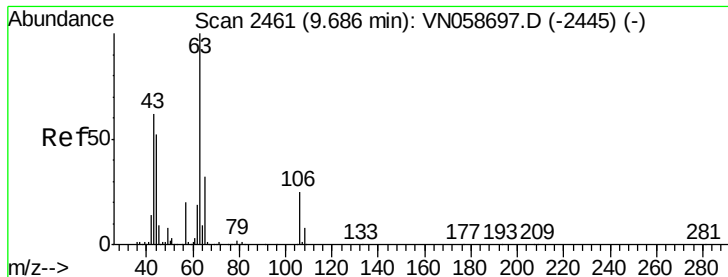
Tot Ion: 69 Resp: 1530
Ion Ratio Lower Upper
69 100
41 95.0 56.8 85.2#
39 18.2 32.5 48.7#



#57
1,3-Dichloropropane
Concen: 0.228 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 76 Resp: 2013
Ion Ratio Lower Upper
76 100
78 41.5 25.9 38.9#

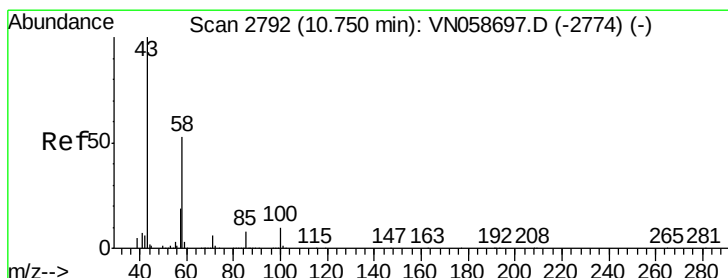
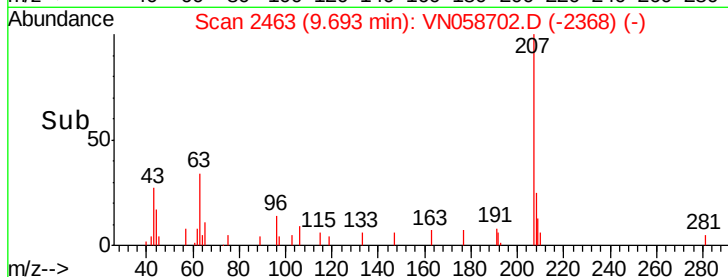
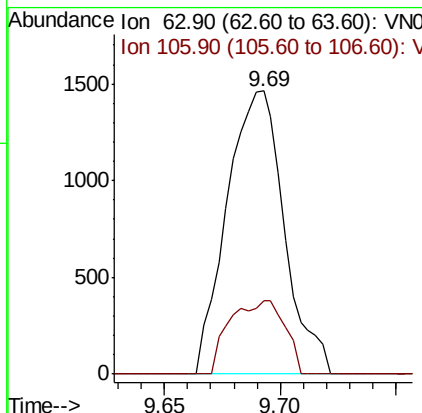
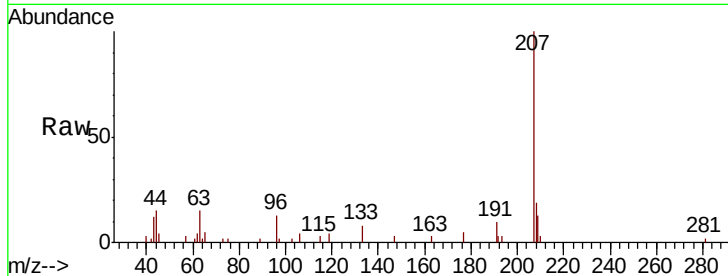




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.690 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.01 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

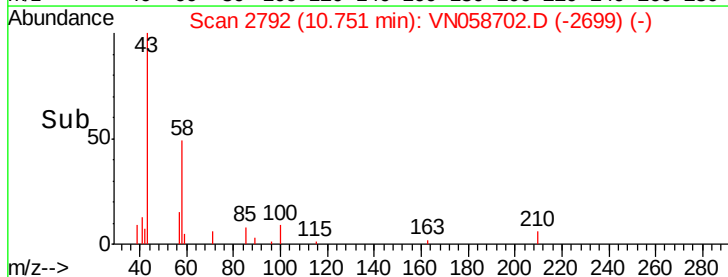
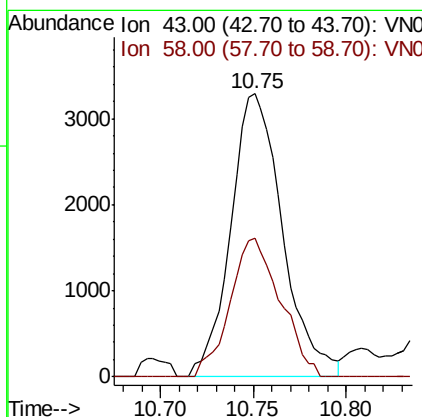
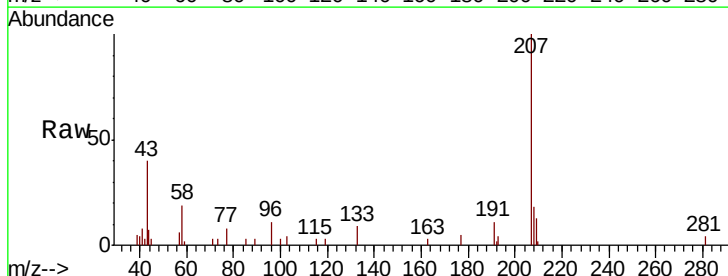
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

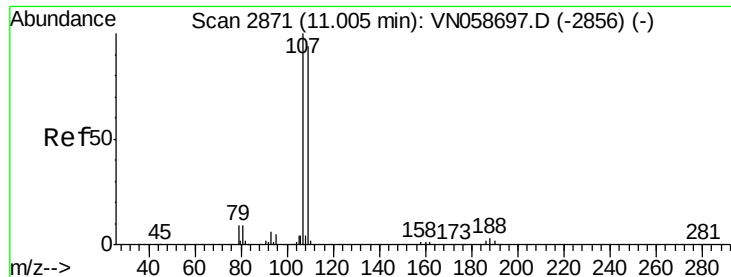
Tot Ion: 63 Resp: 2515
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.0 30.0



#59
 2-Hexanone
 Concen: 1.186 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion: 43 Resp: 6388
 Ion Ratio Lower Upper
 43 100
 58 47.4 26.1 78.3





#61

1,2-Dibromoethane

Concen: 0.208 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

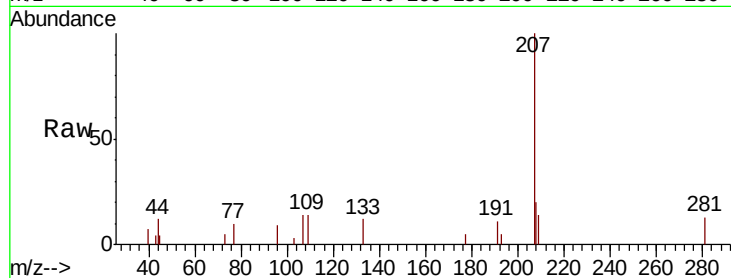
LOQ-WATER-02-QT4-2019

Tot Ion: 107 Resp: 1081

Ion Ratio Lower Upper

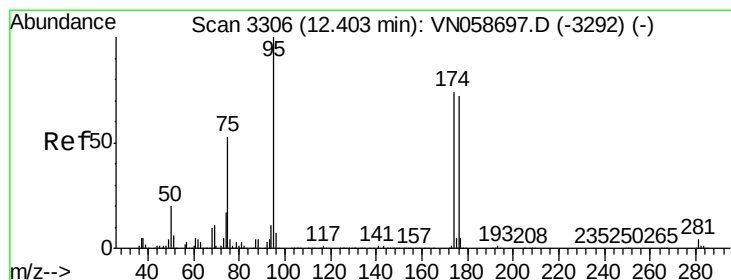
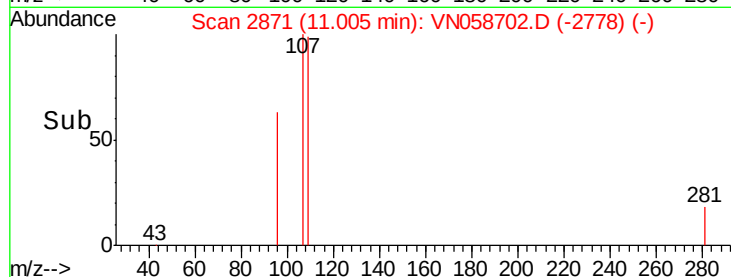
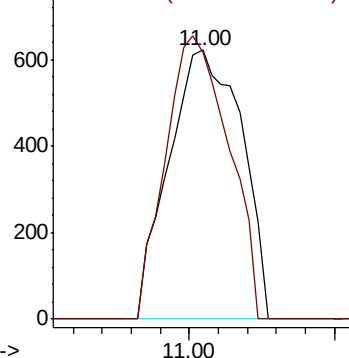
107 100

109 91.9 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: 44.464 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

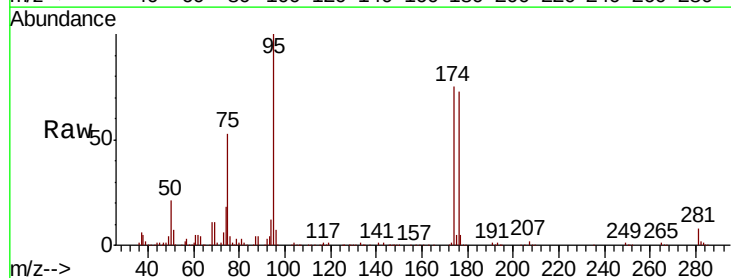
Tgt Ion: 95 Resp: 296117

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.4

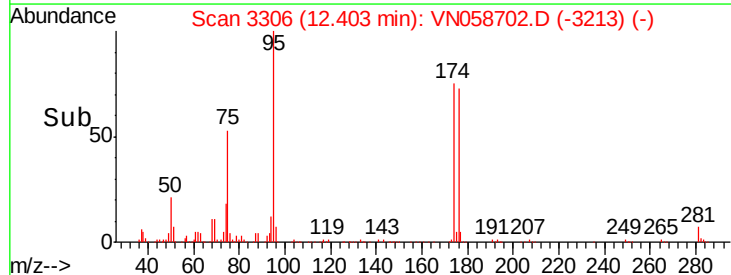
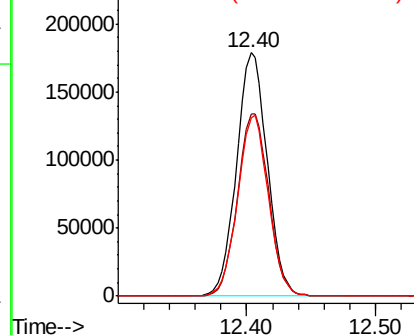
176 74.5 0.0 146.8

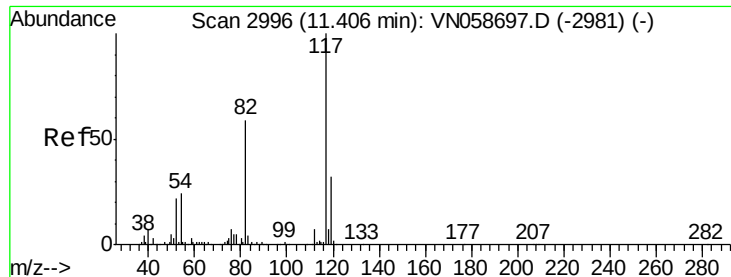


Abundance Ion 94.90 (94.60 to 95.60): V

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: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

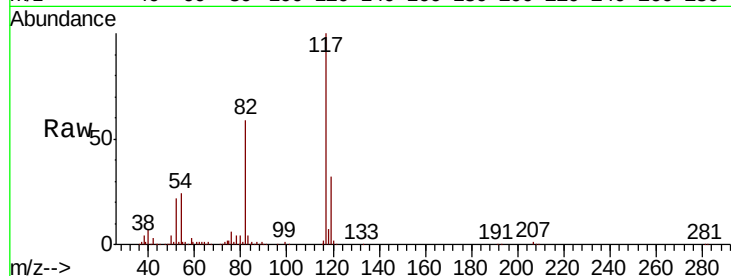
Tot Ion:117 Resp: 634258

Ion Ratio Lower Upper

117 100

82 59.1 47.0 70.4

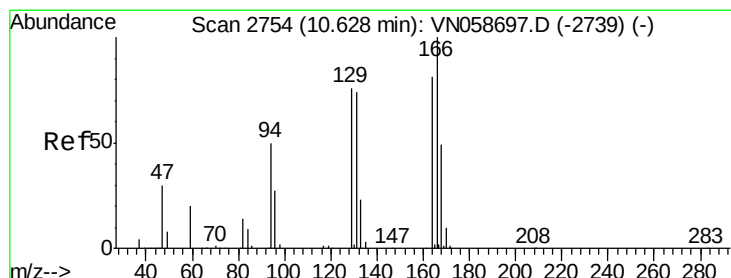
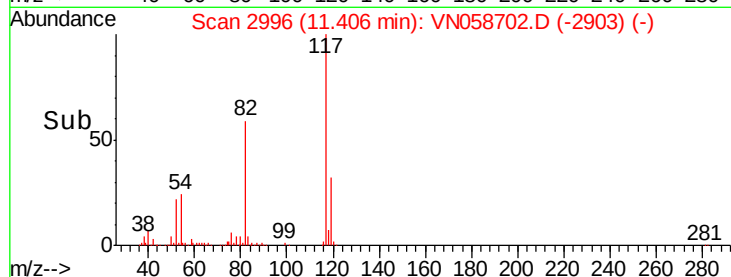
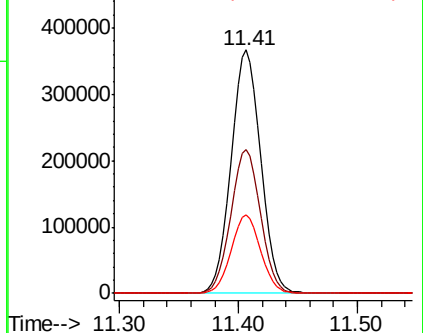
119 32.0 25.4 38.2



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: 0.288 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Tgt Ion:164 Resp: 1277

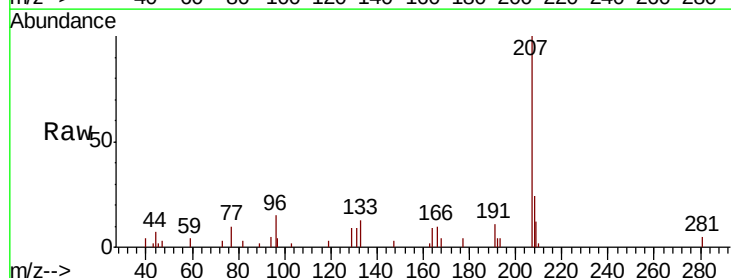
Ion Ratio Lower Upper

164 100

166 110.3 99.3 148.9

129 106.8 75.2 112.8

131 99.6 73.0 109.4

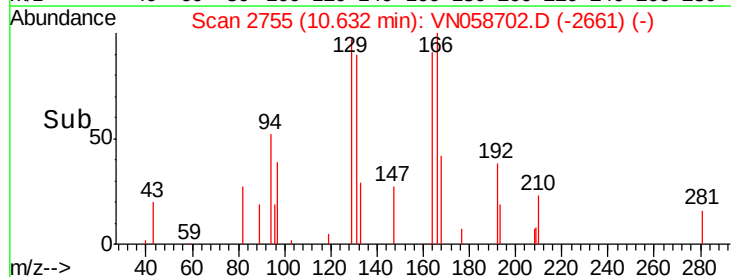
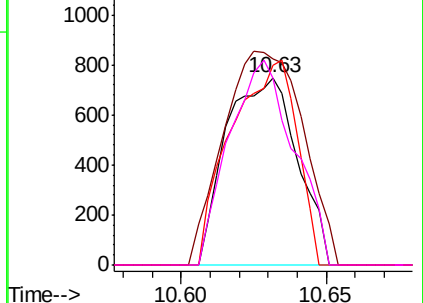


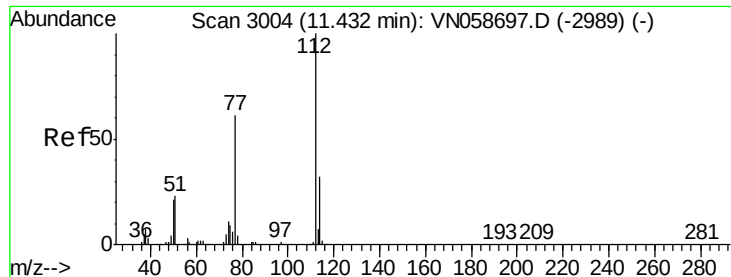
Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.259 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

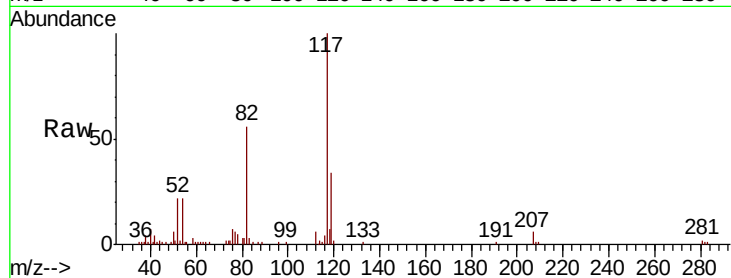
LOQ-WATER-02-QT4-2019

Tot Ion:112 Resp: 3336

Ion Ratio Lower Upper

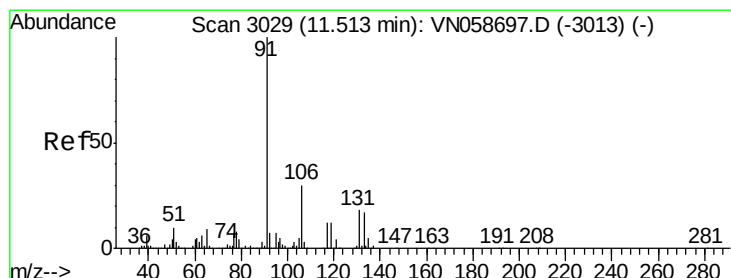
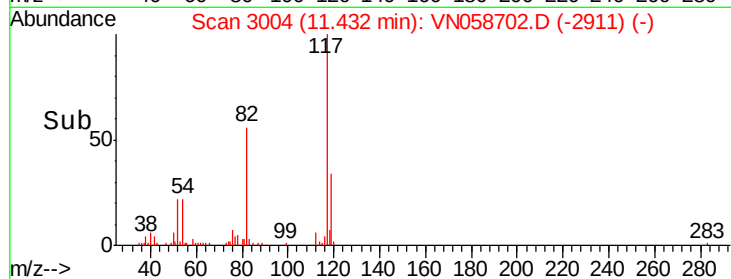
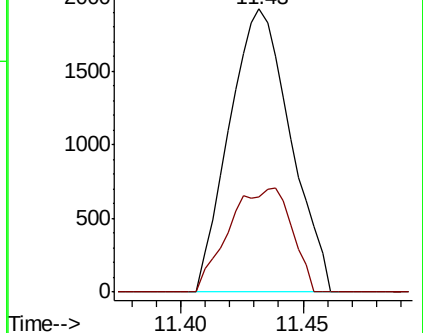
112 100

114 33.5 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.261 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058702.D

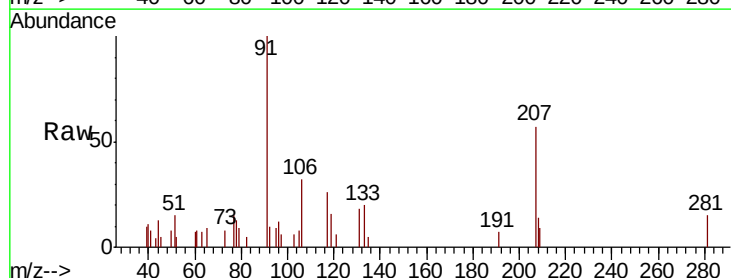
Acq: 11 Oct 2019 14:52

Tgt Ion: 91 Resp: 6001

Ion Ratio Lower Upper

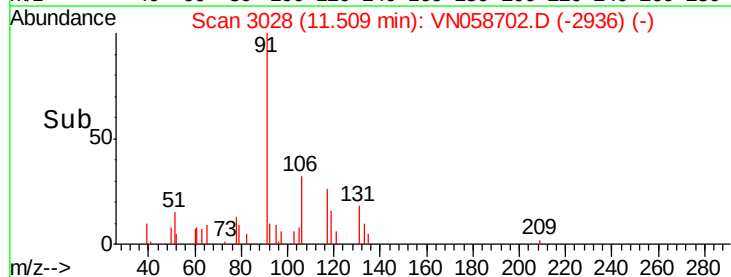
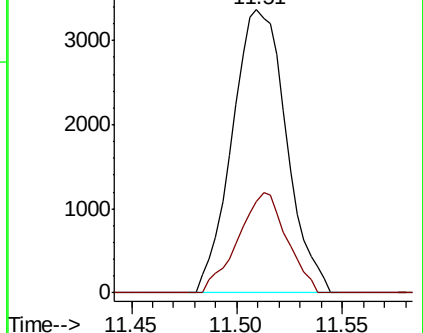
91 100

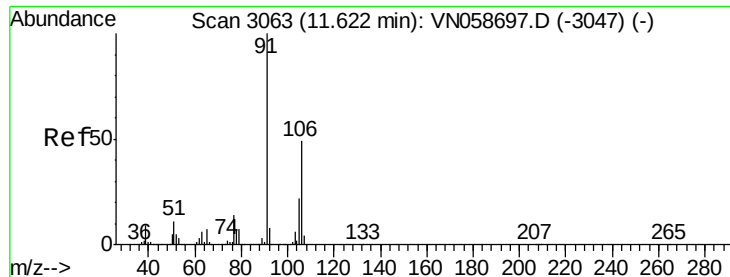
106 32.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.518 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

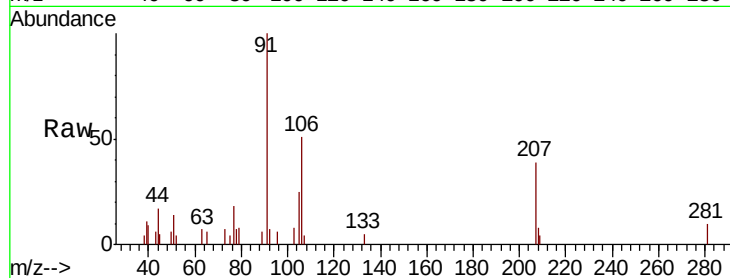
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Tot Ion:106 Resp: 4467

Ion Ratio Lower Upper

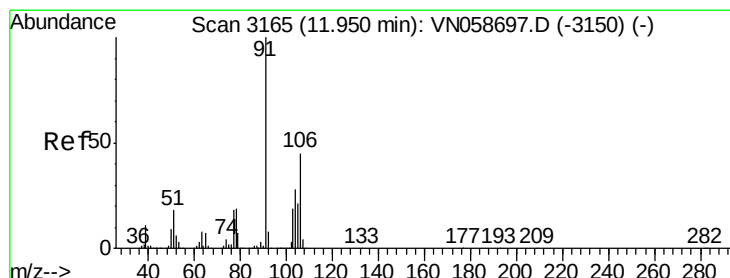
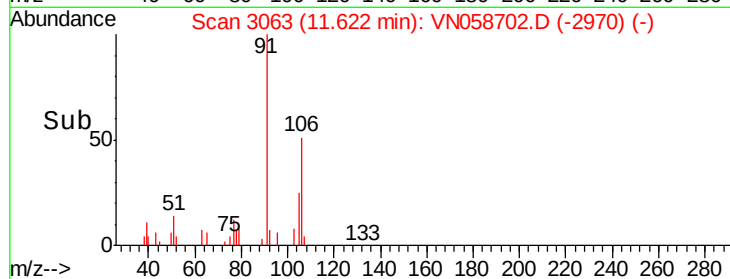
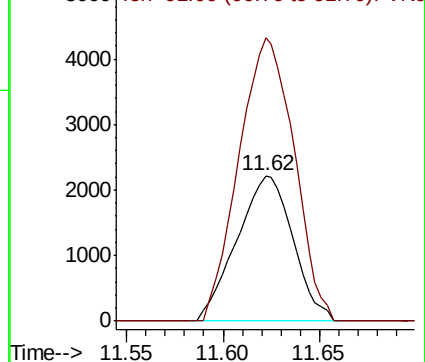
106 100

91 191.7 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.220 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058702.D

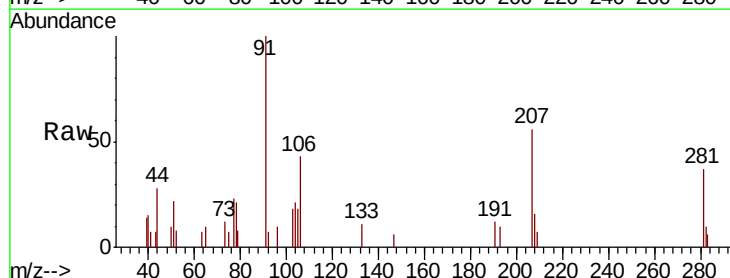
Acq: 11 Oct 2019 14:52

Tgt Ion:106 Resp: 1836

Ion Ratio Lower Upper

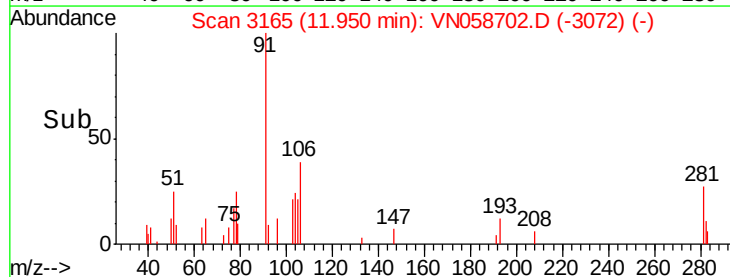
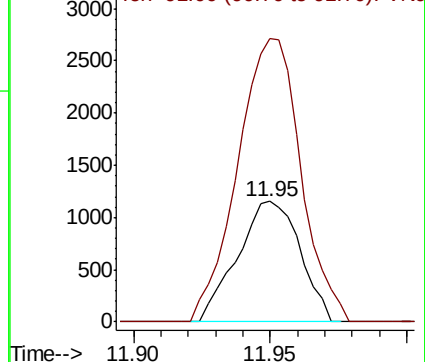
106 100

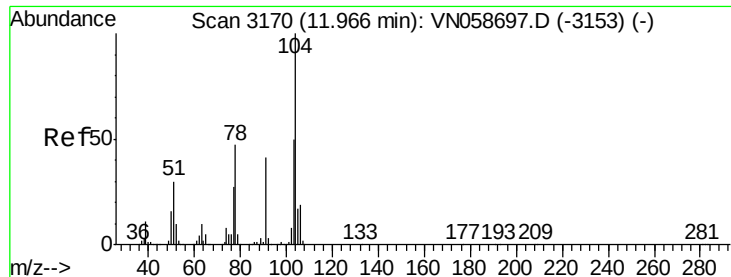
91 237.5 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

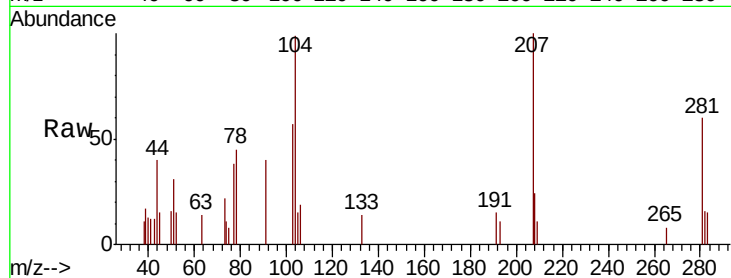




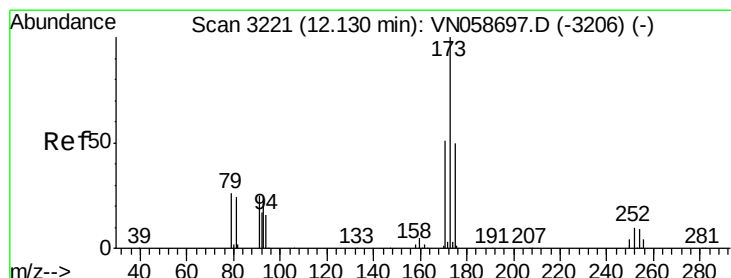
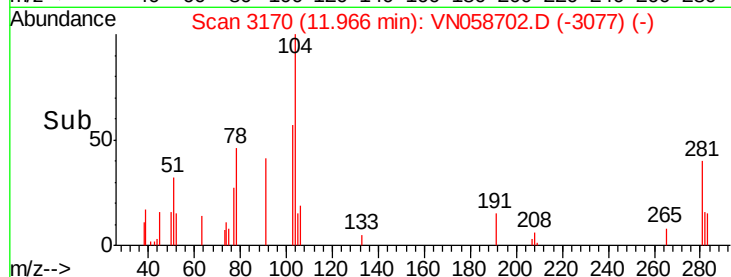
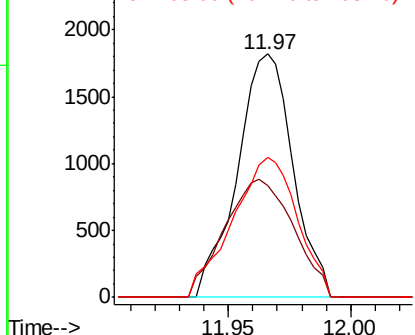
#70
Stvrene
Concen: 0.210 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

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

Tot Ion:104 Resp: 2875
Ion Ratio Lower Upper
104 100
78 59.8 42.2 63.2
103 66.8 43.7 65.5#

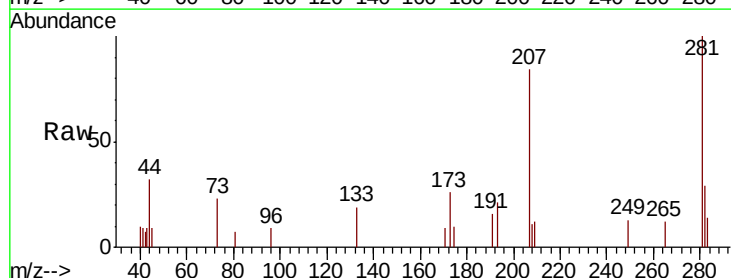


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

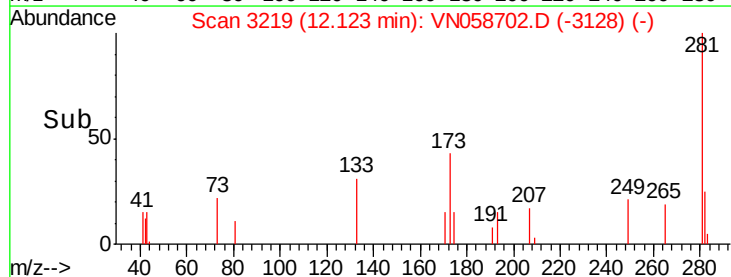
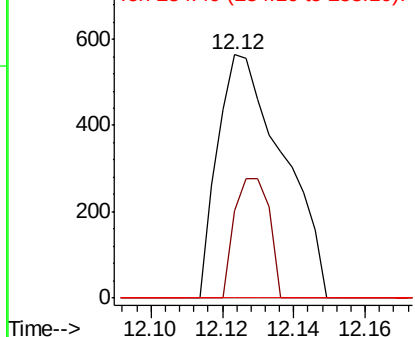


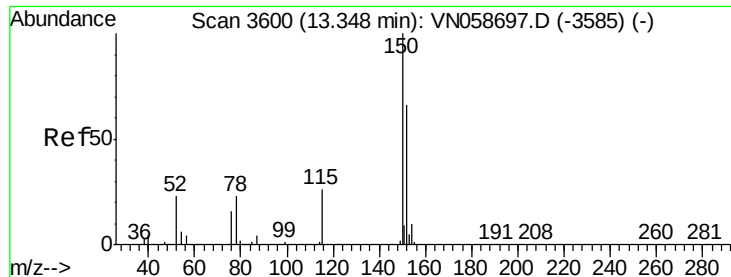
#71
Bromoform
Concen: 0.205 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.01 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion:173 Resp: 715
Ion Ratio Lower Upper
173 100
175 0.0 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: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

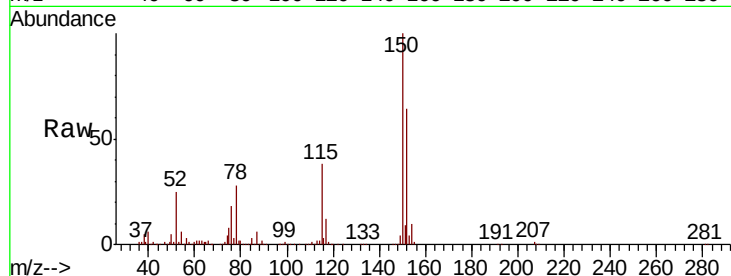
Tot Ion:152 Resp: 274592

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

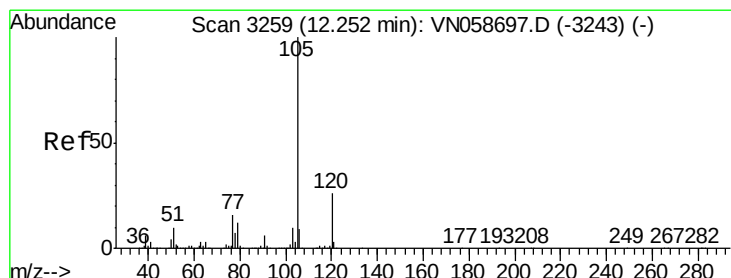
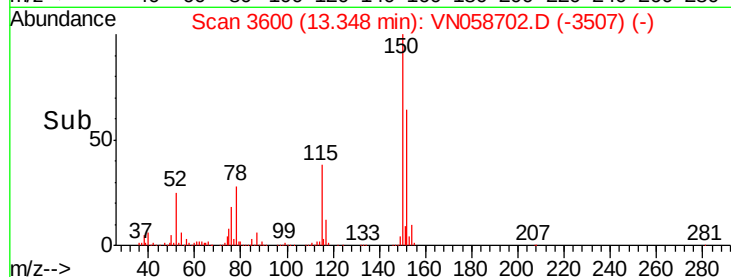
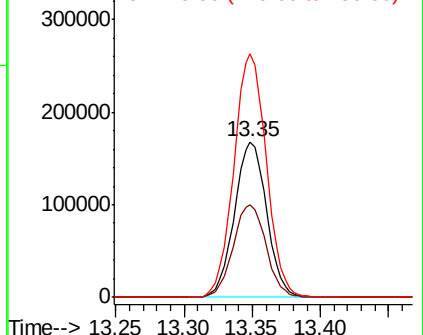
150 158.0 0.0 345.4



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: 0.260 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058702.D

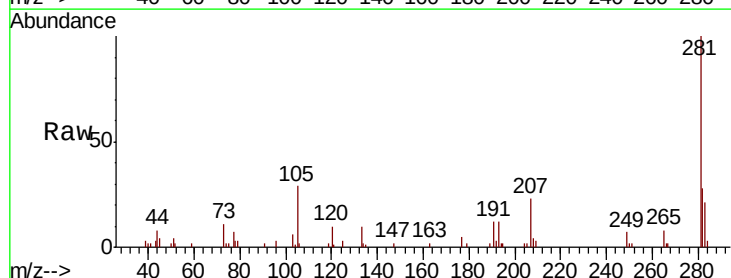
Acq: 11 Oct 2019 14:52

Tgt Ion:105 Resp: 5166

Ion Ratio Lower Upper

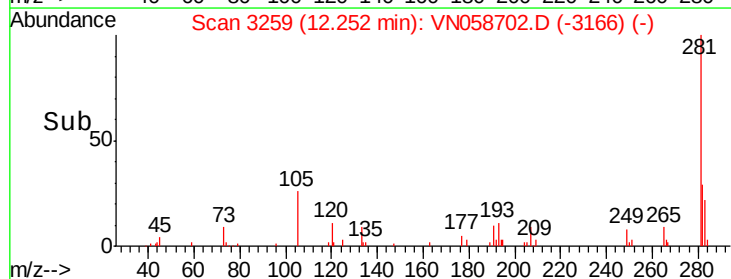
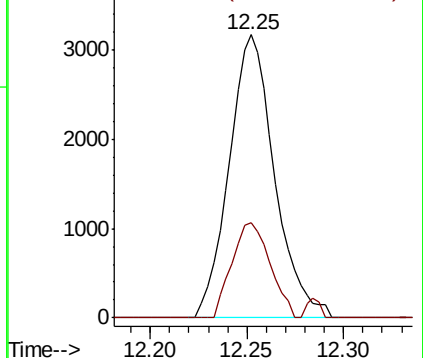
105 100

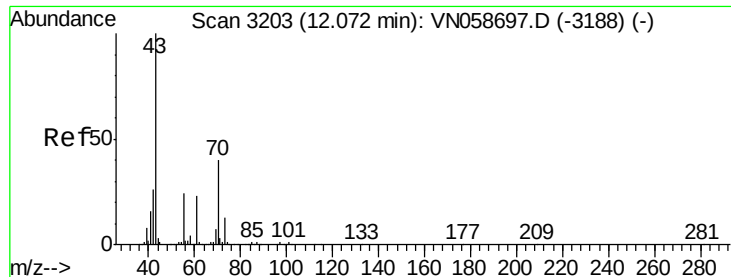
120 28.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.254 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 2269

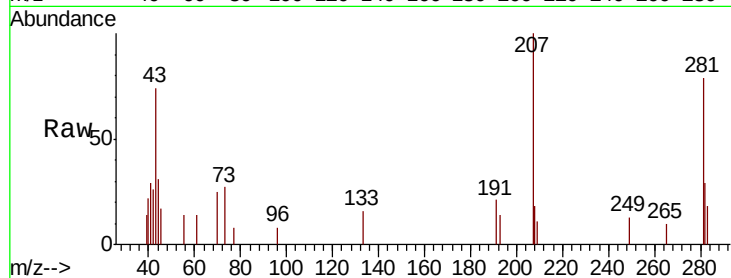
Ion Ratio Lower Upper

43 100

70 34.1 32.2 48.4

55 16.7 19.6 29.4#

61 23.7 18.6 28.0

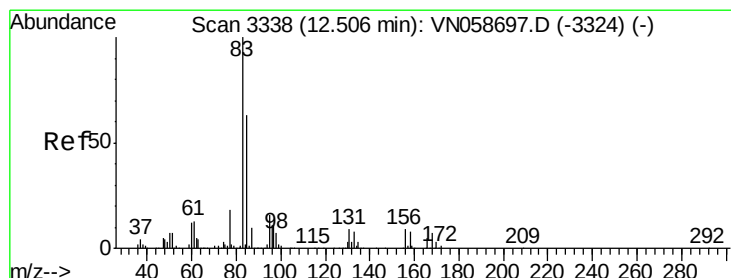
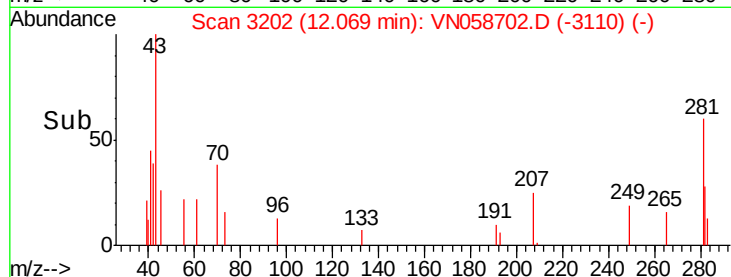
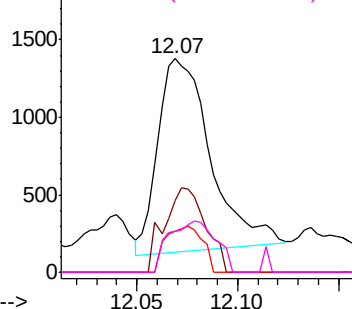


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: 0.263 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

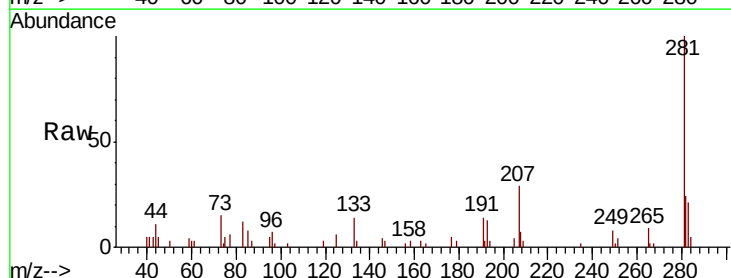
Tgt Ion: 83 Resp: 1726

Ion Ratio Lower Upper

83 100

131 1.7 4.8 14.4#

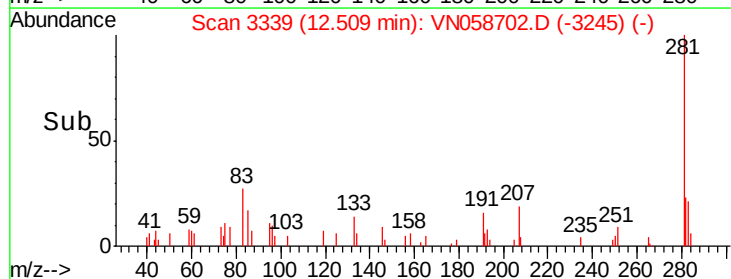
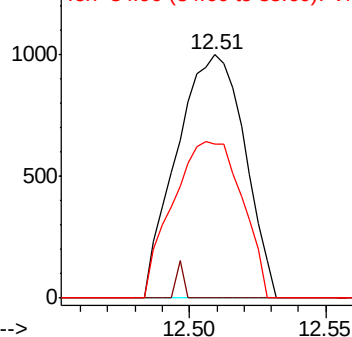
85 65.5 31.9 95.5

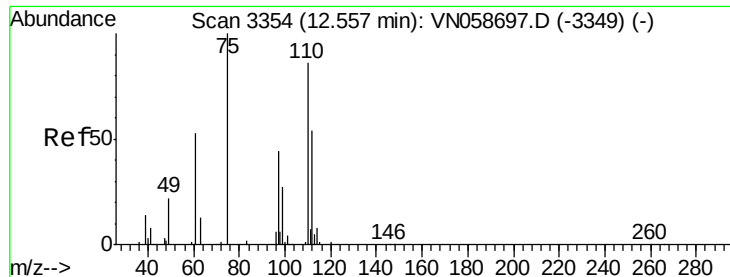


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 26.094 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

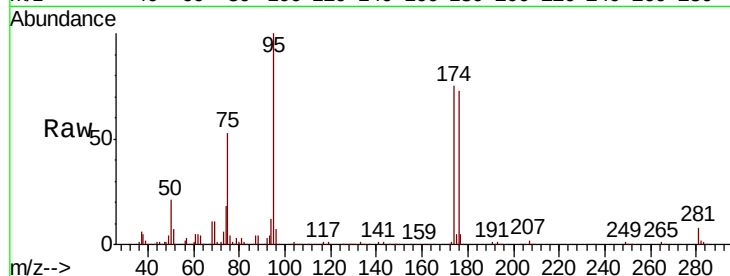
LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 157187

Ion Ratio Lower Upper

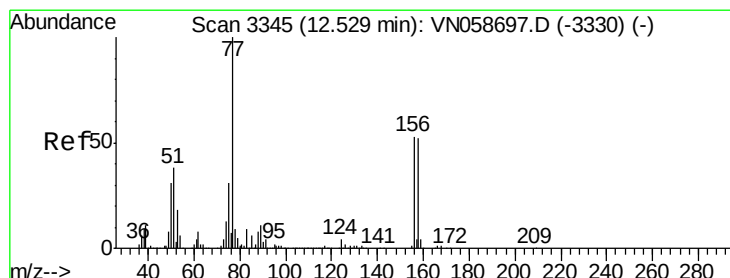
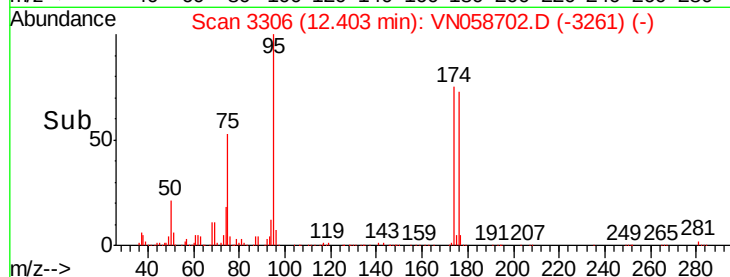
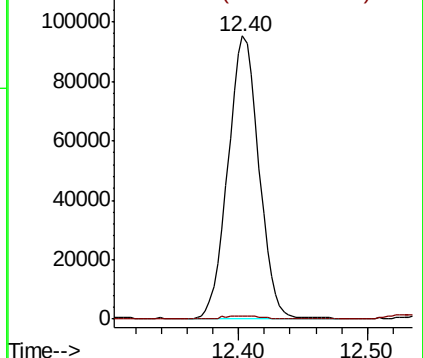
75 100

77 1.5 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: 0.291 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

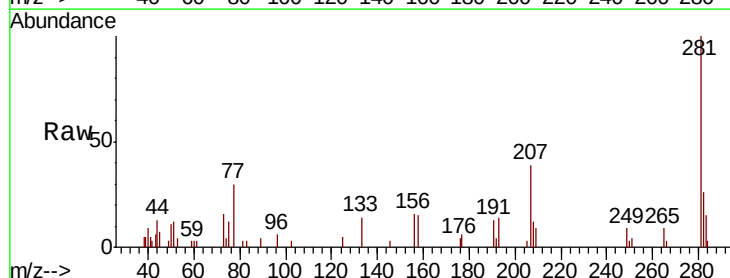
Tgt Ion: 156 Resp: 1408

Ion Ratio Lower Upper

156 100

77 213.8 115.8 347.3

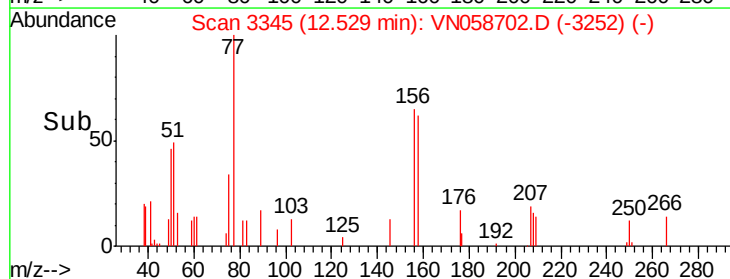
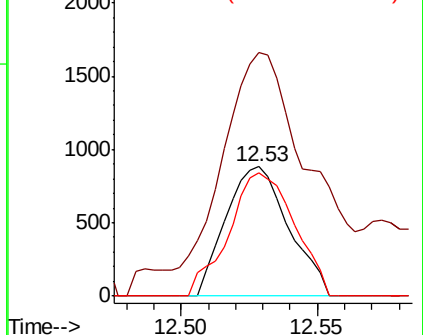
158 99.6 48.9 146.6

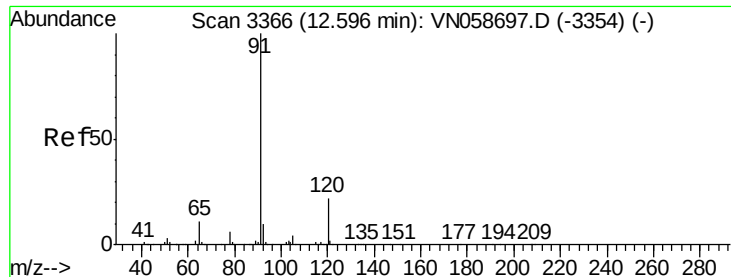


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.280 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

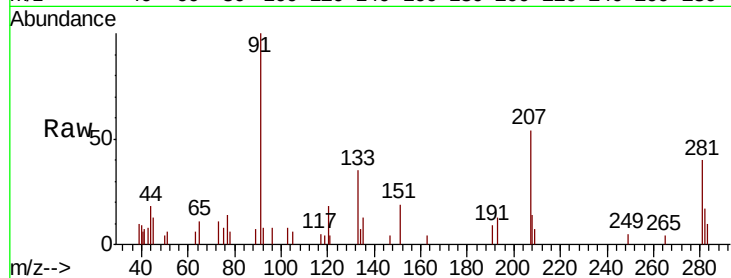
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 6483

Ion Ratio Lower Upper

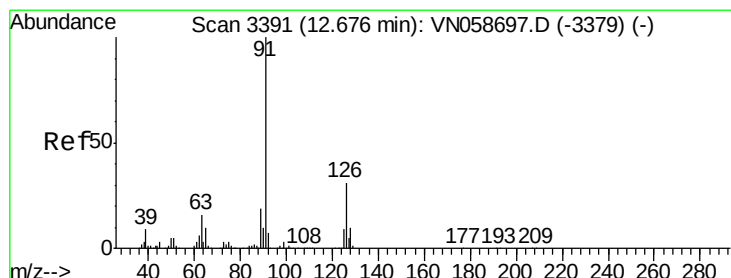
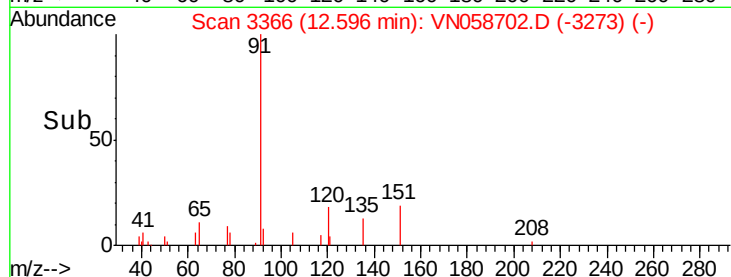
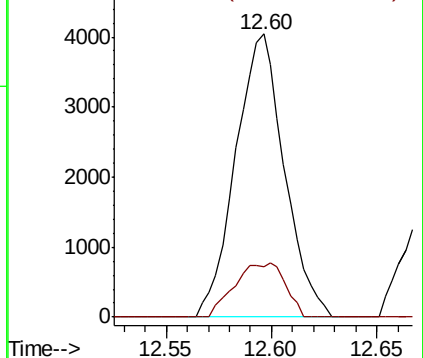
91 100

120 19.7 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: 0.279 ug/l

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN058702.D

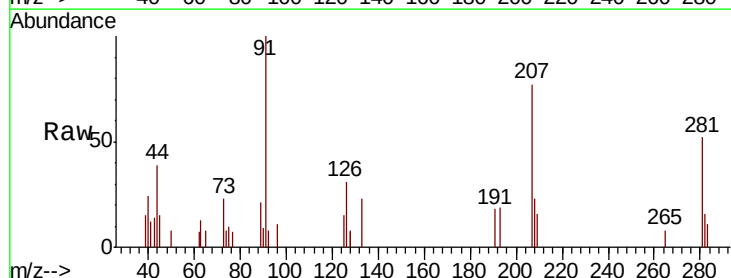
Acq: 11 Oct 2019 14:52

Tgt Ion: 91 Resp: 4020

Ion Ratio Lower Upper

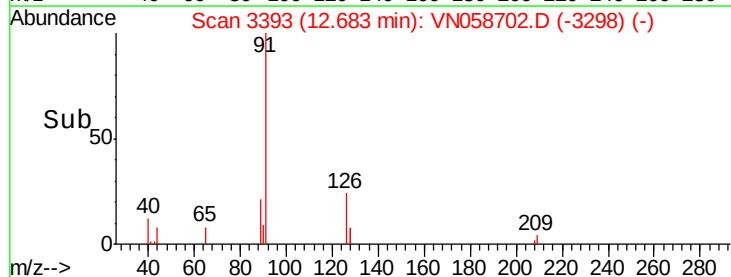
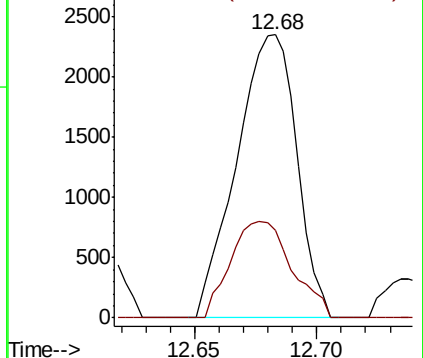
91 100

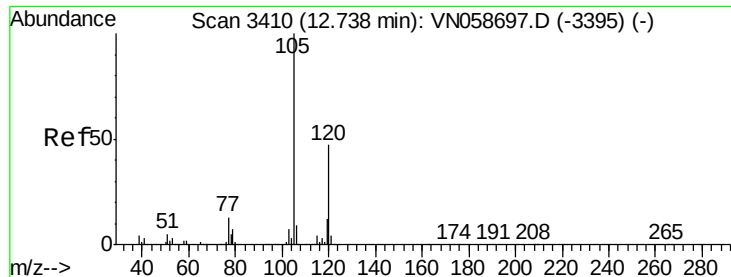
126 34.7 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.261 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

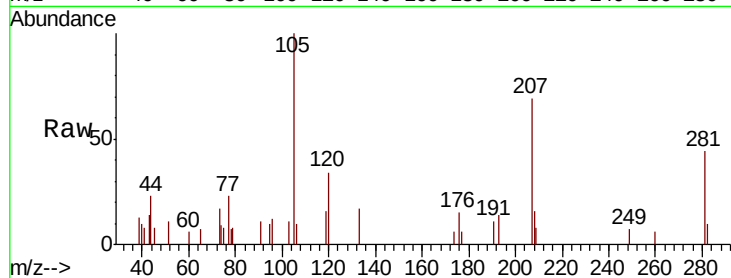
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 4435

Ion Ratio Lower Upper

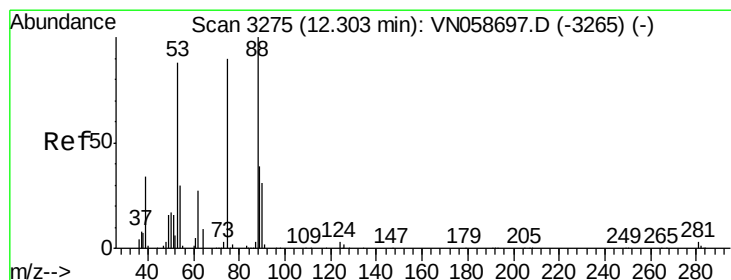
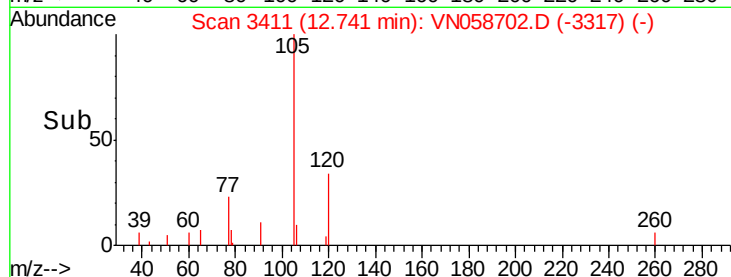
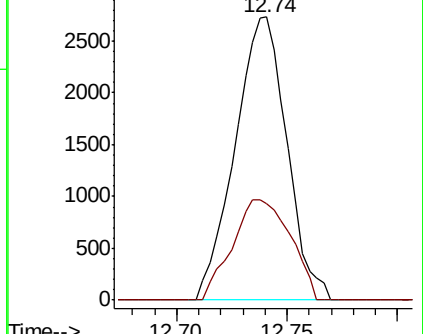
105 100

120 39.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 69.897 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

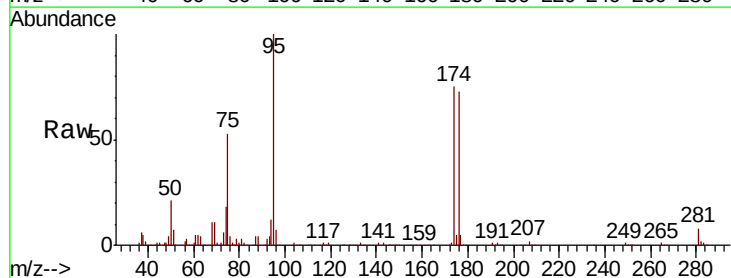
Tgt Ion: 75 Resp: 157187

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

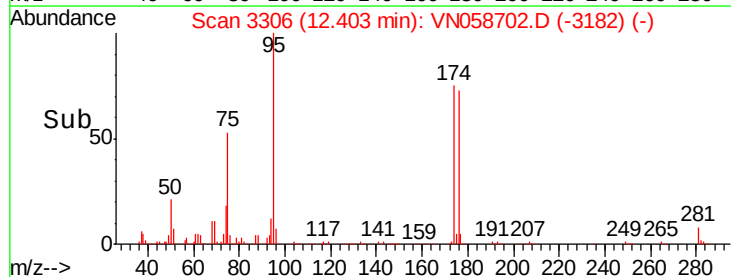
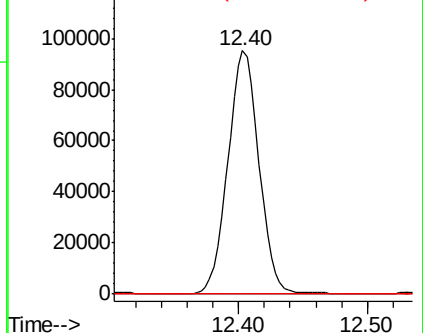
89 0.0 34.9 52.3#

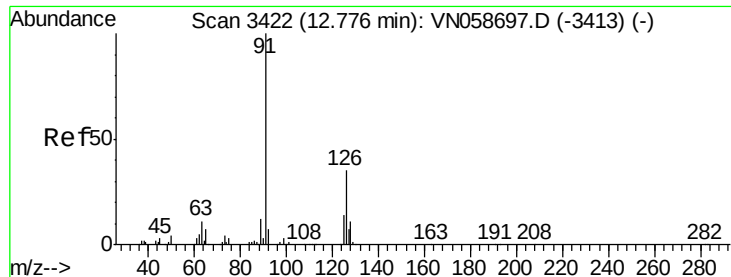


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

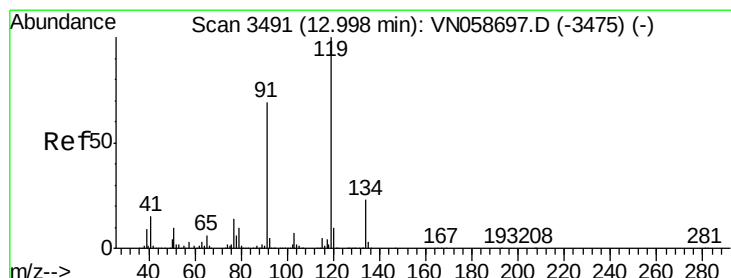
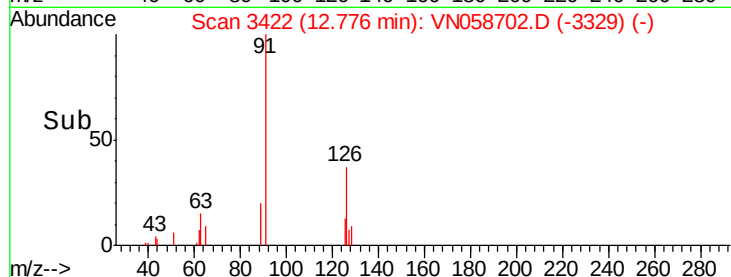
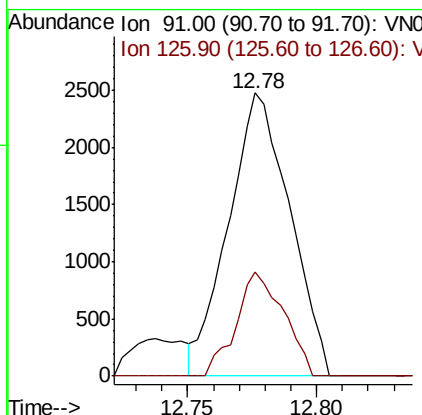
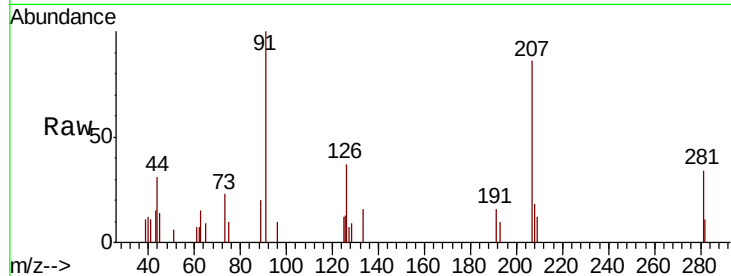




#82
4-Chlorotoluene
Concen: 0.277 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

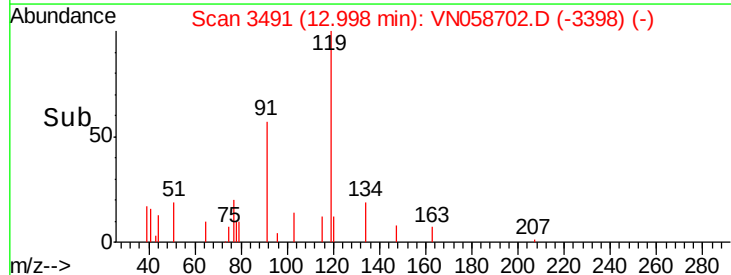
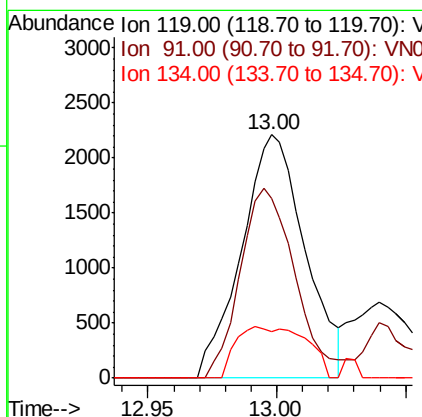
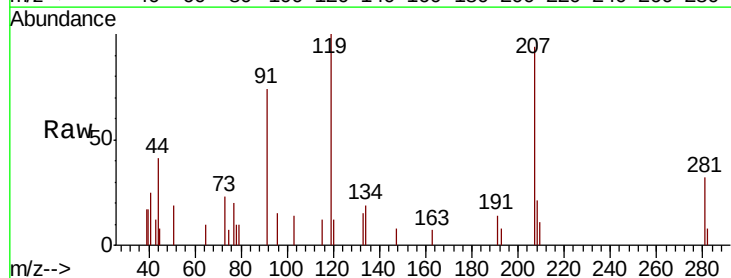
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

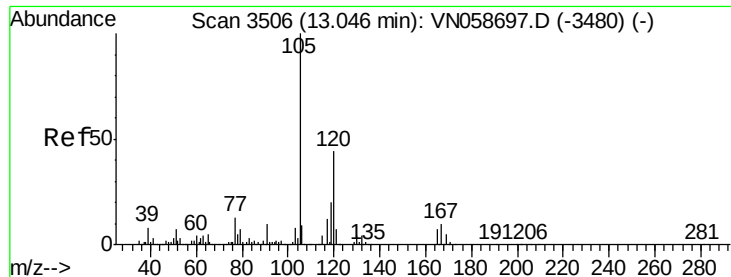
Tot Ion: 91 Resp: 4094
Ion Ratio Lower Upper
91 100
126 28.7 15.9 47.6



#83
tert-Butylbenzene
Concen: 0.261 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion: 119 Resp: 3800
Ion Ratio Lower Upper
119 100
91 67.1 33.8 101.3
134 23.2 12.6 37.6

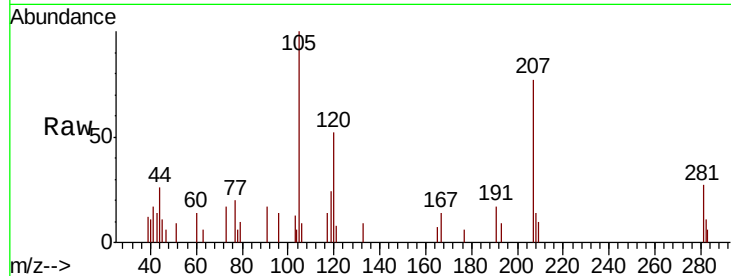




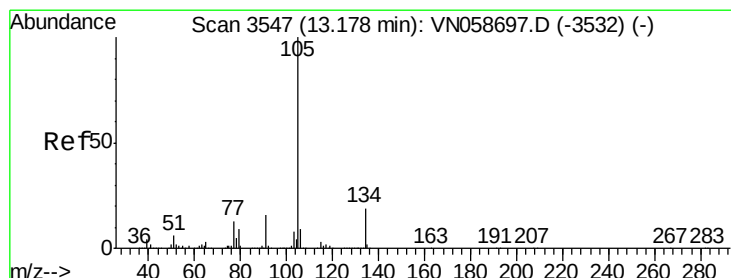
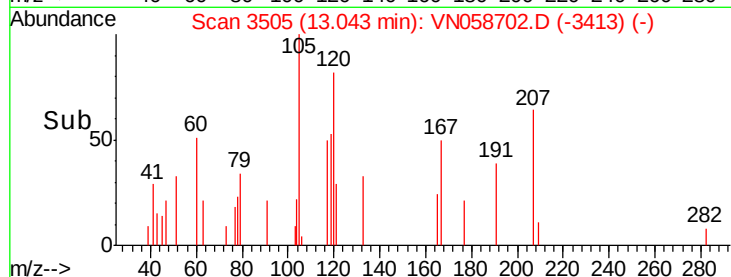
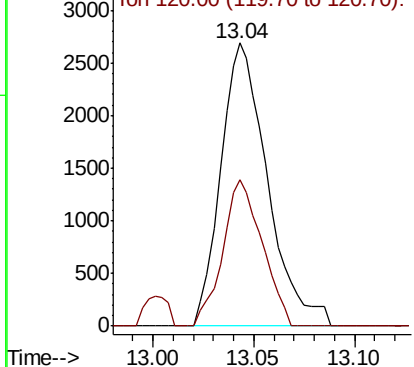
#84
 1,2,4-Trimethylbenzene
 Concen: 0.257 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

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

Tot Ion:105 Resp: 4331
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.9 65.7

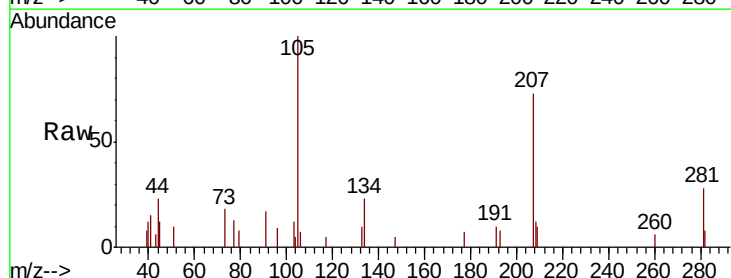


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

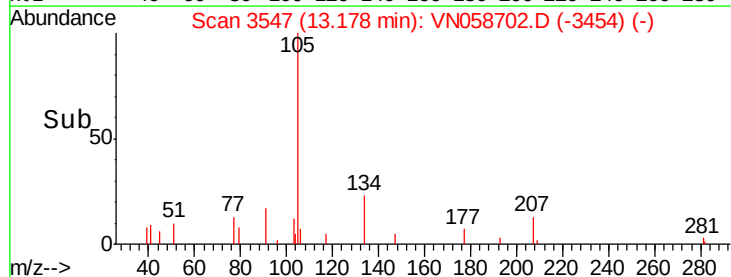
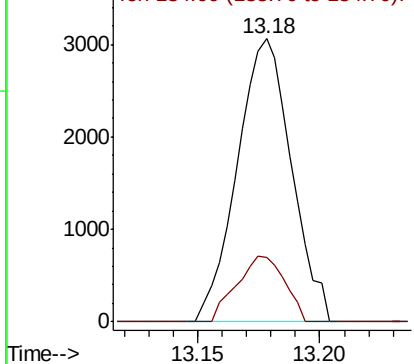


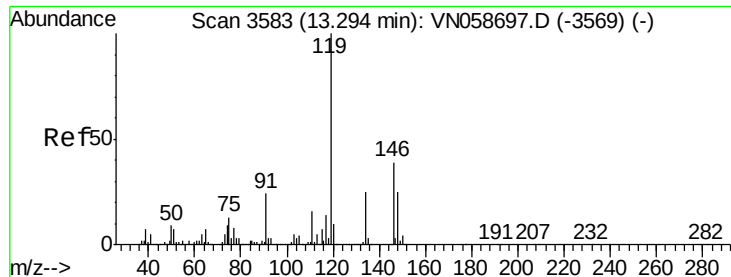
#85
 sec-Butylbenzene
 Concen: 0.246 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion:105 Resp: 4722
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

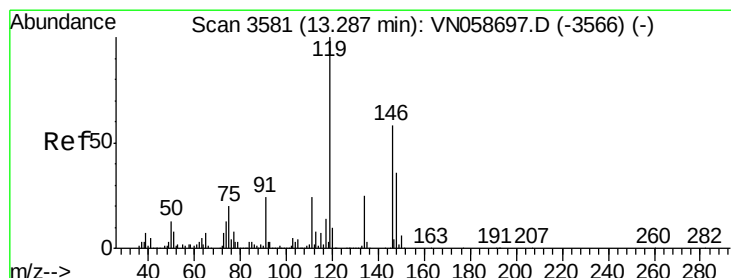
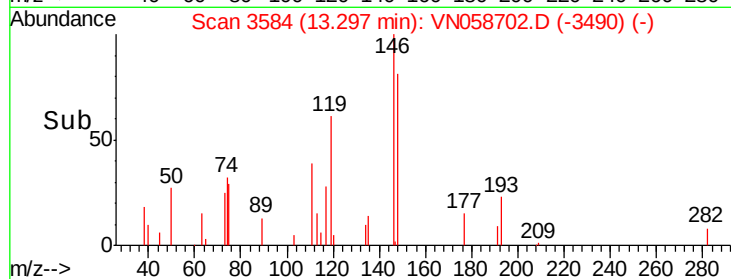
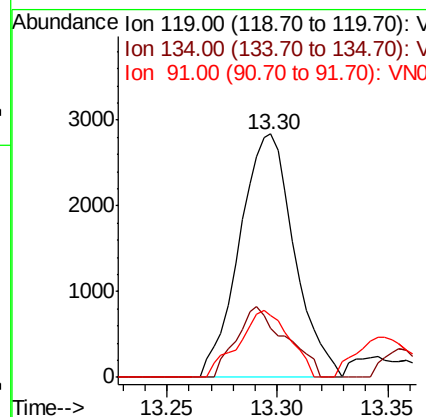
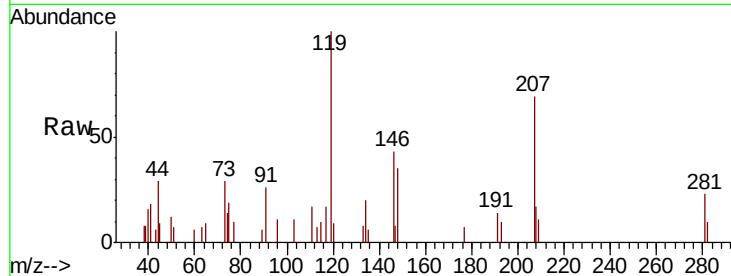




#86
 p-Isopropyltoluene
 Concen: 0.280 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

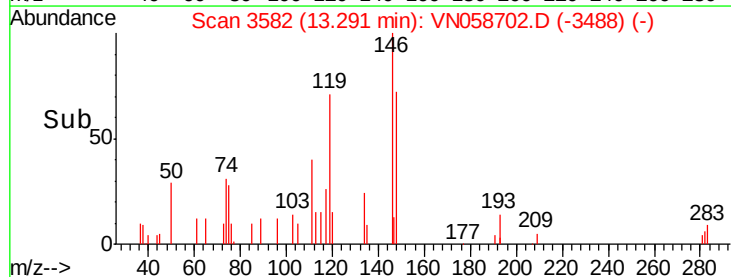
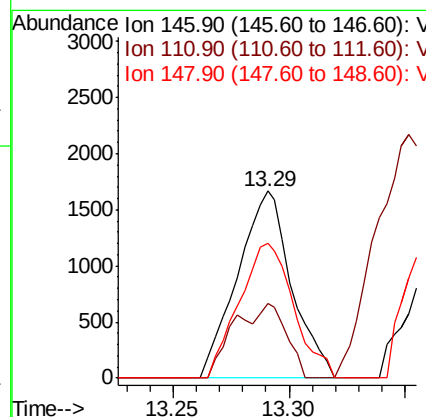
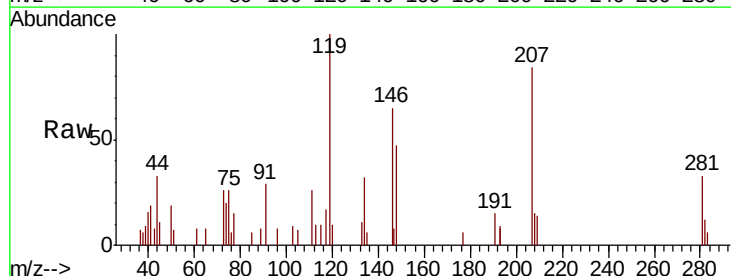
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

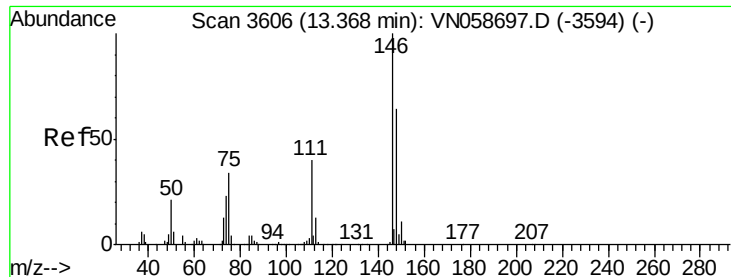
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.7	38.1
91	25.5	11.9	35.5



#87
 1,3-Dichlorobenzene
 Concen: 0.302 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	20.7	20.5	61.6
148	72.6	31.3	93.9





#88

1,4-Dichlorobenzene

Concen: 0.297 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.08 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

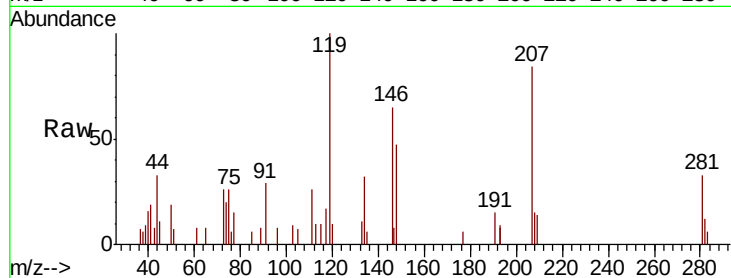
Tot Ion:146 Resp: 2697

Ion Ratio Lower Upper

146 100

111 20.7 20.1 60.2

148 72.6 31.9 95.7

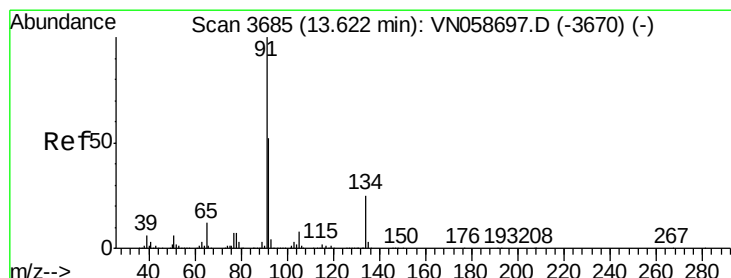
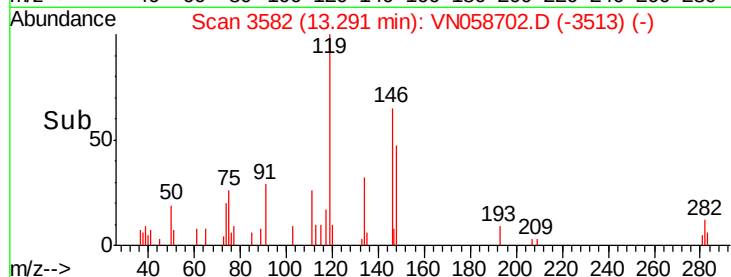
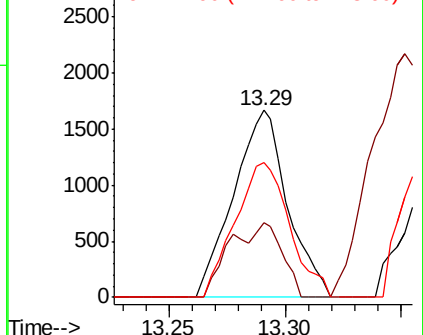


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.254 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

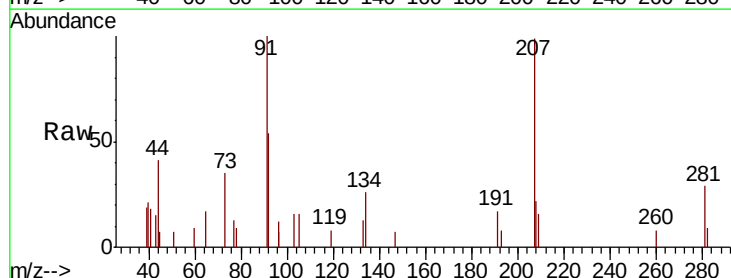
Tgt Ion: 91 Resp: 4087

Ion Ratio Lower Upper

91 100

92 47.9 26.0 78.0

134 17.6 12.2 36.6

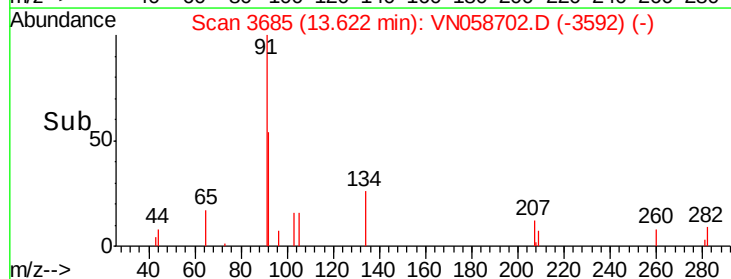
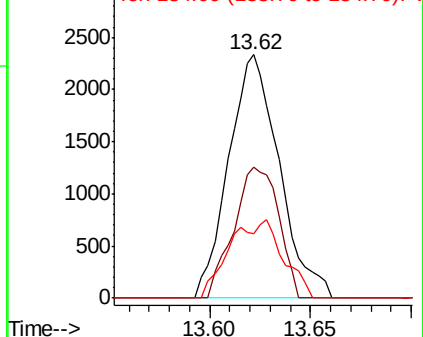


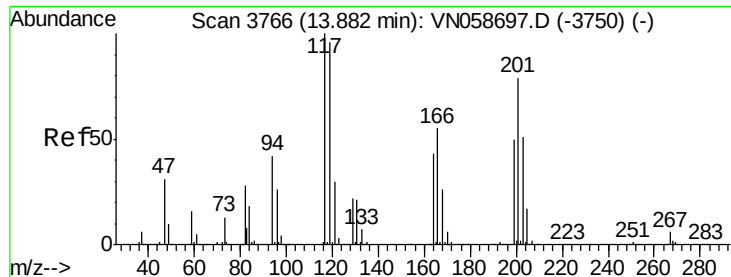
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

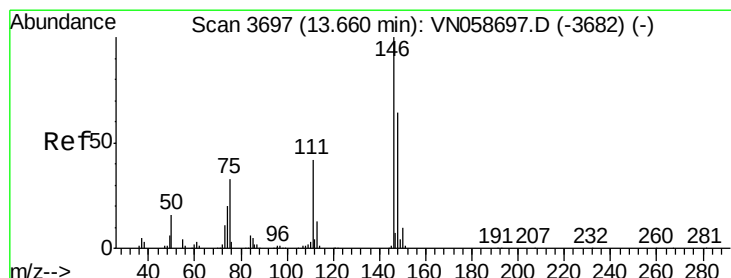
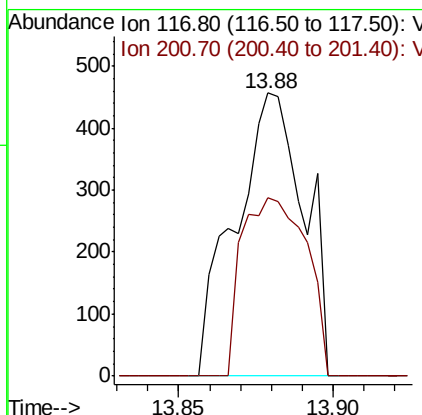
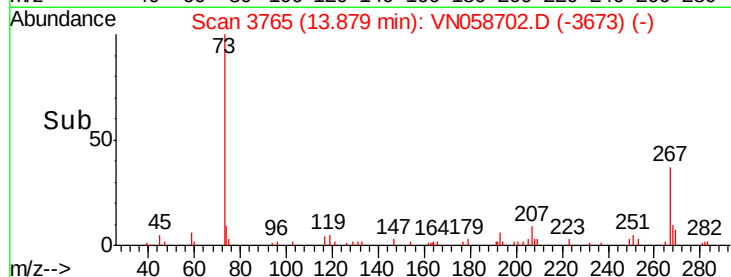
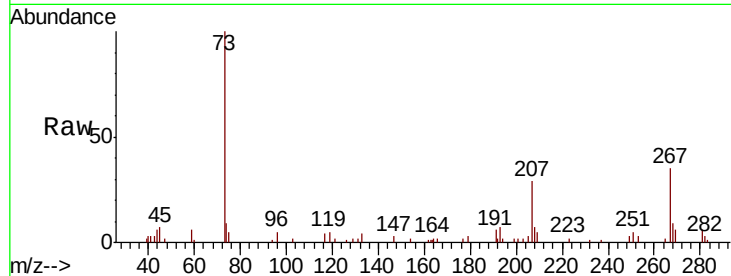




#90
Hexachloroethane
Concen: 0.227 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

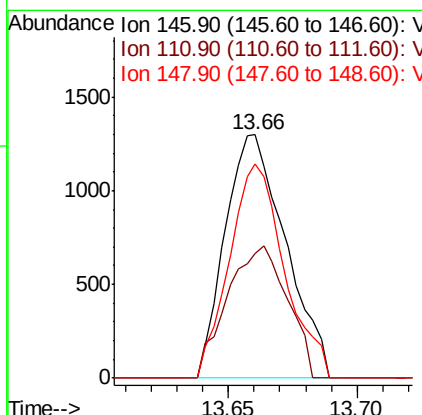
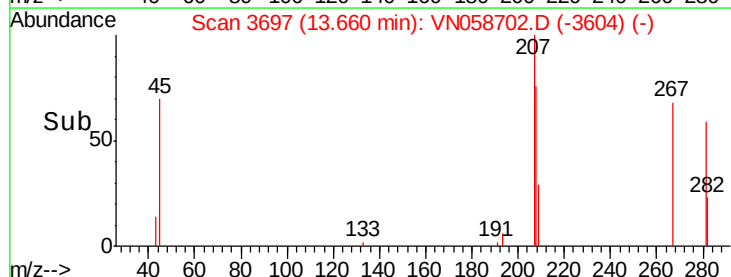
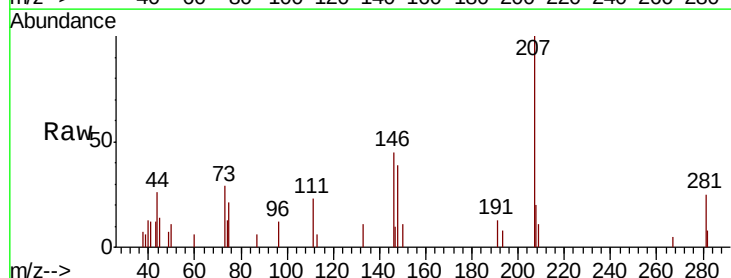
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

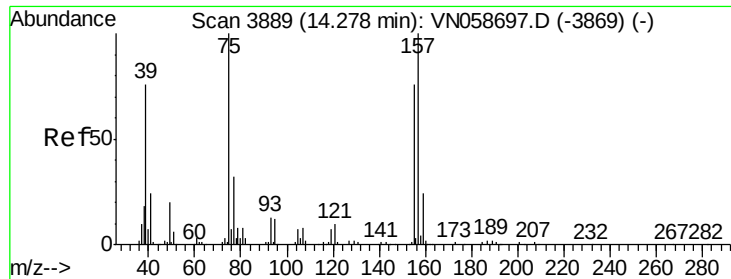
Tot Ion:117 Resp: 709
Ion Ratio Lower Upper
117 100
201 59.0 39.6 118.7



#91
1,2-Dichlorobenzene
Concen: 0.243 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058702.D
Acq: 11 Oct 2019 14:52

Tgt Ion:146 Resp: 2115
Ion Ratio Lower Upper
146 100
111 53.9 21.1 63.4
148 80.4 31.8 95.3

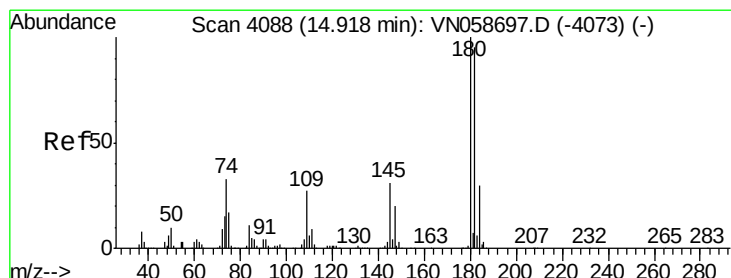
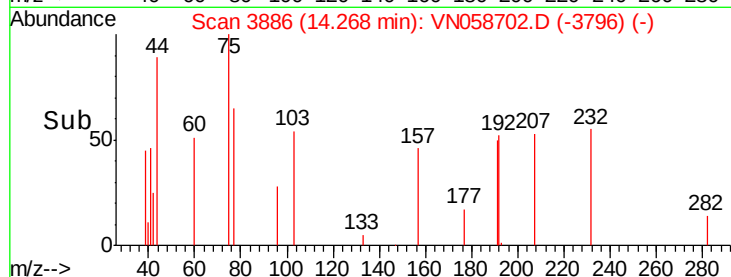
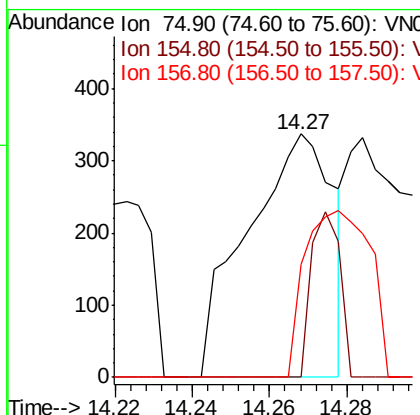
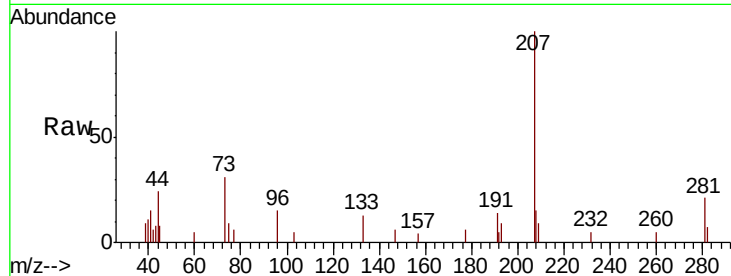




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.339 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.01 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

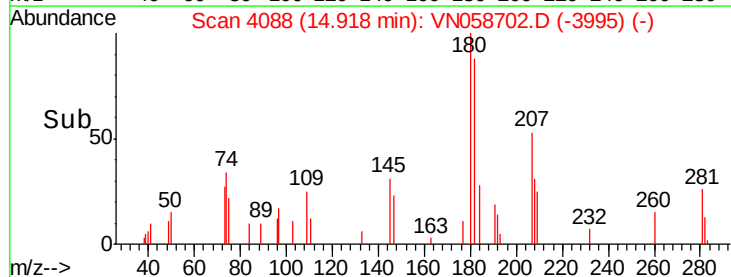
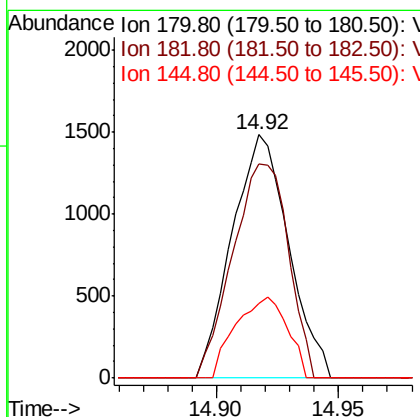
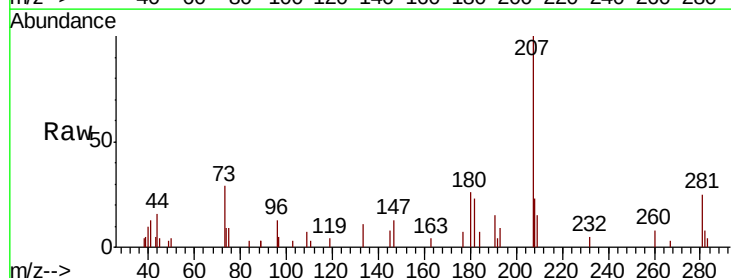
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

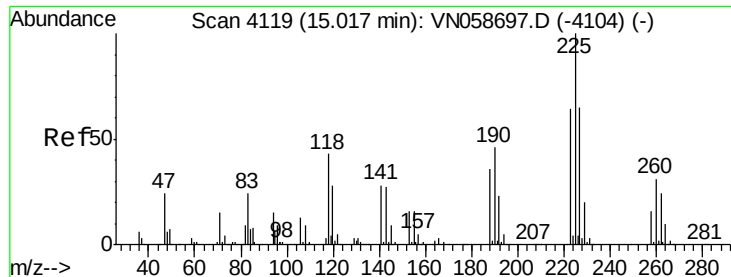
Tot Ion: 75 Resp: 519
 Ion Ratio Lower Upper
 75 100
 155 22.5 37.9 113.6#
 157 52.0 49.4 148.2



#93
 1,2,4-Trichlorobenzene
 Concen: 0.450 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

Tgt Ion: 180 Resp: 2384
 Ion Ratio Lower Upper
 180 100
 182 87.0 47.4 142.2
 145 30.4 15.4 46.2





#94

Hexachlorobutadiene

Concen: 0.266 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

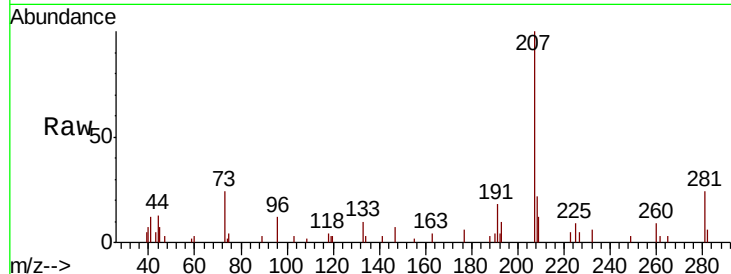
Tot Ion:225 Resp: 743

Ion Ratio Lower Upper

225 100

223 72.5 32.3 96.8

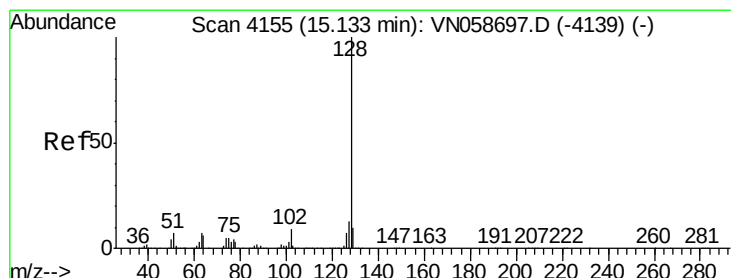
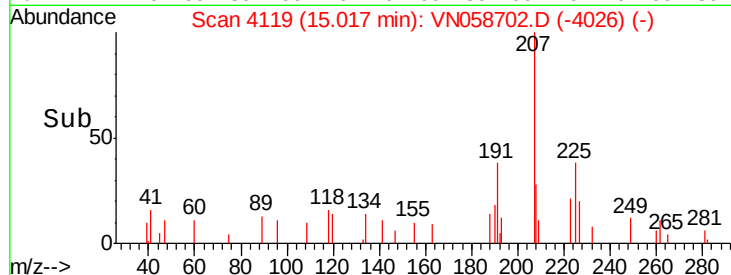
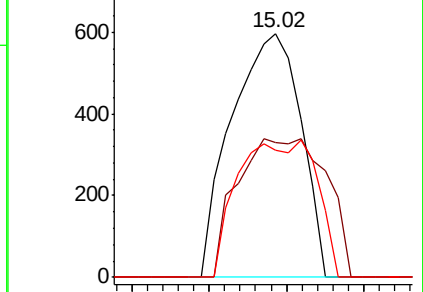
227 63.8 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.490 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058702.D

Acq: 11 Oct 2019 14:52

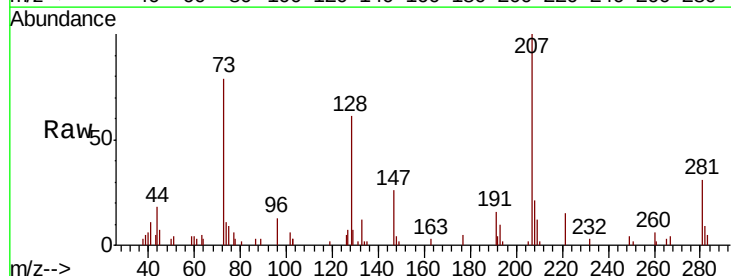
Tgt Ion:128 Resp: 7466

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

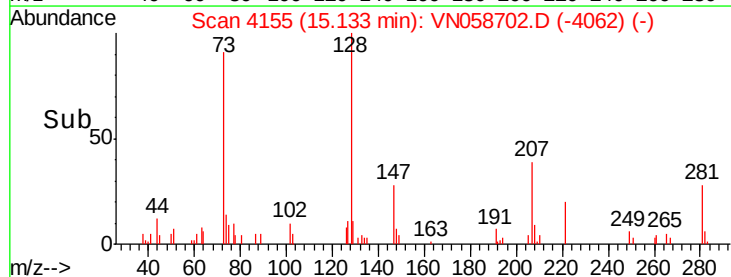
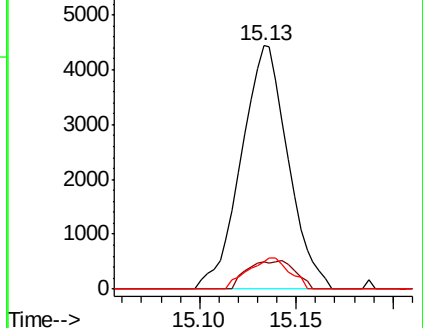
129 11.3 8.5 12.7

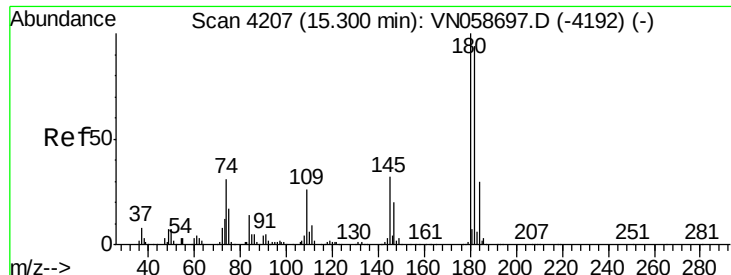


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.469 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058702.D
 Acq: 11 Oct 2019 14:52

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.3	142.0
145	39.7	16.2	48.6

