

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052320.D
 Acq On : 14 Nov 2018 18:28
 Operator : MD\SY
 Sample : J5164-08 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Nov 15 04:03:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	259091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	445521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	393300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	186003	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	144150	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.09	98	558006	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	176326	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	25028	9.116	ug/l	97
3) Chloromethane	2.06	50	37305	9.778	ug/l	95
4) Vinyl Chloride	2.19	62	32114	9.737	ug/l	95
5) Bromomethane	2.56	94	20776	10.105	ug/l	95
6) Chloroethane	2.71	64	19445	10.428	ug/l	94
7) Trichlorofluoromethane	3.02	101	47106	10.322	ug/l	99
8) Diethyl Ether	3.42	74	18371	10.562	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	28415	9.859	ug/l	97
10) Methyl Iodide	3.96	142	36113	9.332	ug/l	100
11) Tert butyl alcohol	4.78	59	10367	53.645	ug/l	99
12) 1,1-Dichloroethene	3.74	96	26744	10.027	ug/l	87
13) Acrolein	3.61	56	15874	71.487	ug/l	98
14) Allyl chloride	4.33	41	55022	10.047	ug/l	98
15) Acrylonitrile	4.99	53	58673	53.170	ug/l	98
16) Acetone	3.82	43	43740	43.413	ug/l	97
17) Carbon Disulfide	4.06	76	72895	9.531	ug/l	98
18) Methyl Acetate	4.33	43	31518	11.499	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	79236	10.338	ug/l	95
20) Methylene Chloride	4.55	84	33729	10.450	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	28996	10.098	ug/l	92
22) Diisopropyl ether	5.96	45	111831	10.008	ug/l	97
23) Vinyl Acetate	5.90	43	392816	51.823	ug/l	99
24) 1,1-Dichloroethane	5.85	63	61338	10.237	ug/l	98
25) 2-Butanone	6.84	43	70345	49.602	ug/l	94
26) 2,2-Dichloropropane	6.82	77	40976	9.300	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	33987	10.167	ug/l	99
28) Bromochloromethane	7.19	49	30780	9.991	ug/l	97
29) Tetrahydrofuran	7.21	42	48559	52.122	ug/l	99
30) Chloroform	7.37	83	66186	11.591	ug/l	94
31) Cyclohexane	7.66	56	61259	10.167	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	46246	9.507	ug/l	94
36) 1,1-Dichloropropene	7.79	75	44858	10.046	ug/l	99
37) Ethyl Acetate	6.93	43	32561	10.047	ug/l #	94
38) Carbon Tetrachloride	7.78	117	42612	10.387	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052320.D
 Acq On : 14 Nov 2018 18:28
 Operator : MD\SY
 Sample : J5164-08 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Nov 15 04:03:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	50003	9.809	ug/l	100
40) Benzene	8.04	78	130007	10.191	ug/l	94
41) Methacrylonitrile	7.18	41	19488	13.722	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	46837	10.296	ug/l	100
43) Isopropyl Acetate	8.16	43	60879	9.735	ug/l	96
44) Trichloroethene	8.83	130	31897	10.151	ug/l	100
45) 1,2-Dichloropropane	9.12	63	36884	10.188	ug/l	95
46) Dibromomethane	9.21	93	21219	10.124	ug/l	99
47) Bromodichloromethane	9.40	83	43917	10.211	ug/l	98
48) Methyl methacrylate	9.20	41	30818	9.712	ug/l	99
49) 1,4-Dioxane	9.20	88	4854	199.269	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	162702	51.686	ug/l	100
52) Toluene	10.16	92	78097	10.234	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	41788	9.634	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	47667	9.640	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	27963	10.108	ug/l	93
56) Ethyl methacrylate	10.43	69	37519	10.312	ug/l	95
57) 1,3-Dichloropropane	10.71	76	51380	10.485	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	103408	49.923	ug/l	100
59) 2-Hexanone	10.75	43	104619	48.318	ug/l	99
60) Dibromochloromethane	10.90	129	28108	9.391	ug/l	100
61) 1,2-Dibromoethane	11.00	107	28133	10.209	ug/l	100
64) Tetrachloroethene	10.63	164	27647	9.888	ug/l	97
65) Chlorobenzene	11.43	112	84724	10.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	29885	10.542	ug/l	97
67) Ethyl Benzene	11.51	91	146907	10.181	ug/l	98
68) m/p-Xylenes	11.62	106	110552	20.970	ug/l	99
69) o-Xylene	11.95	106	53009	10.489	ug/l	100
70) Styrene	11.96	104	83108	10.271	ug/l	99
71) Bromoform	12.13	173	16392	9.793	ug/l #	95
73) Isopropylbenzene	12.25	105	139510	10.490	ug/l	99
74) N-amyl acetate	12.07	43	47644	10.058	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	34867	10.846	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	43453	15.482	ug/l #	100
77) Bromobenzene	12.53	156	32064	10.362	ug/l	97
78) n-propylbenzene	12.59	91	161250	10.368	ug/l	100
79) 2-Chlorotoluene	12.67	91	96027	10.569	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	113211	10.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	7306	8.443	ug/l #	83
82) 4-Chlorotoluene	12.77	91	93978	10.096	ug/l	100
83) tert-Butylbenzene	12.99	119	97624	10.456	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	111591	10.511	ug/l	100
85) sec-Butylbenzene	13.17	105	132545	10.421	ug/l	100
86) p-Isopropyltoluene	13.29	119	106006	9.839	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	56429	10.268	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	55780	10.209	ug/l	98
89) n-Butylbenzene	13.62	91	88221	9.534	ug/l	98
90) Hexachloroethane	13.87	117	17960	9.412	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	54398	10.217	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4835	10.199	ug/l	91

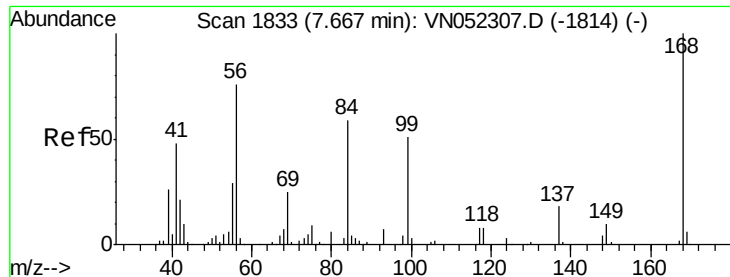
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
Data File : VN052320.D
Acq On : 14 Nov 2018 18:28
Operator : MD\SY
Sample : J5164-08 10ppb
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

Quant Time: Nov 15 04:03:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17987	9.190	ug/l	96
94) Hexachlorobutadiene	15.01	225	12692	10.415	ug/l	95
95) Naphthalene	15.13	128	40539	9.167	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	16333	8.073	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

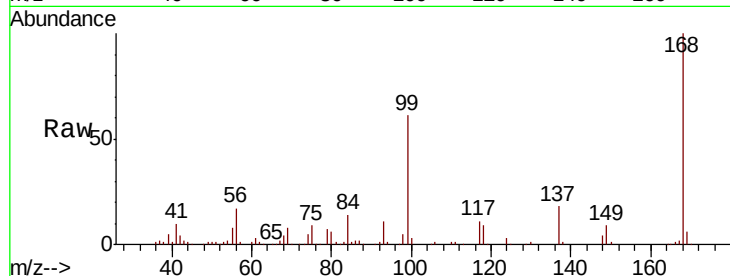
LOQ-WATER-02-QT4-2018

Tot Ion:168 Resp: 259091

Ion Ratio Lower Upper

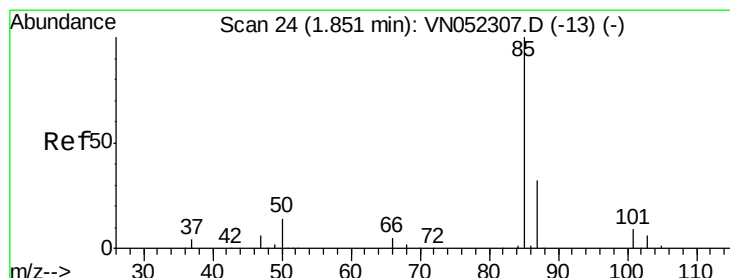
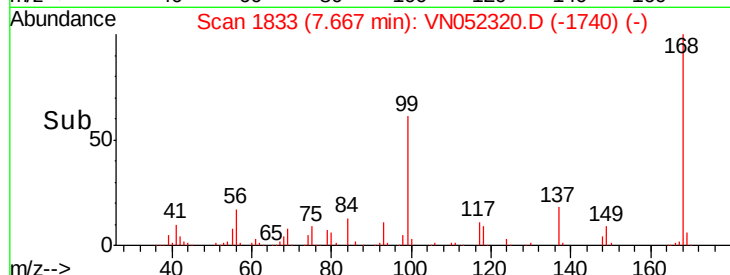
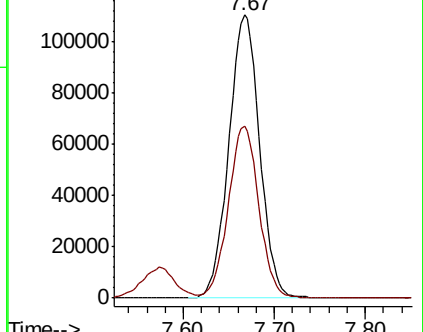
168 100

99 60.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 9.116 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052320.D

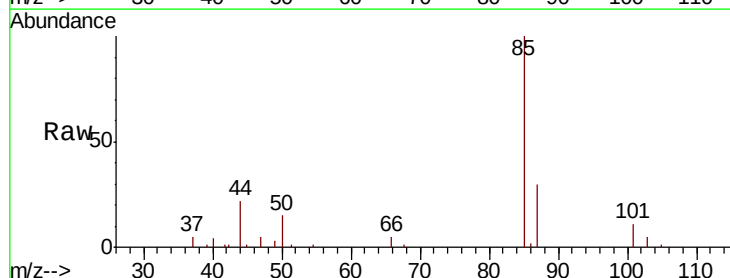
Acq: 14 Nov 2018 18:28

Tgt Ion: 85 Resp: 25028

Ion Ratio Lower Upper

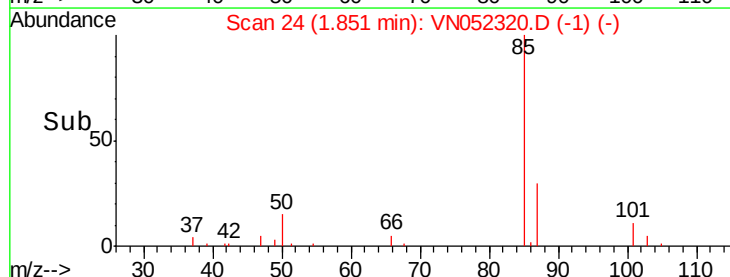
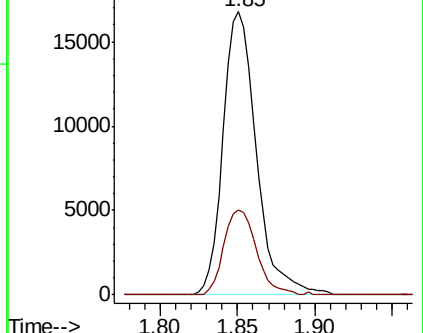
85 100

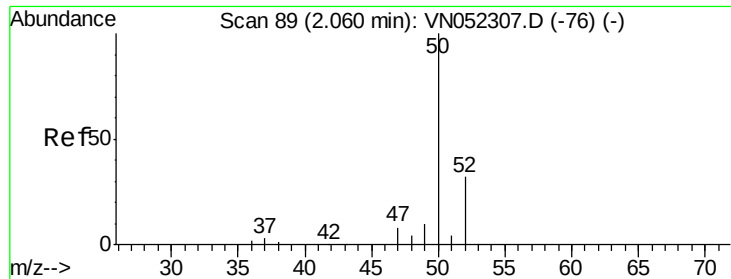
87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

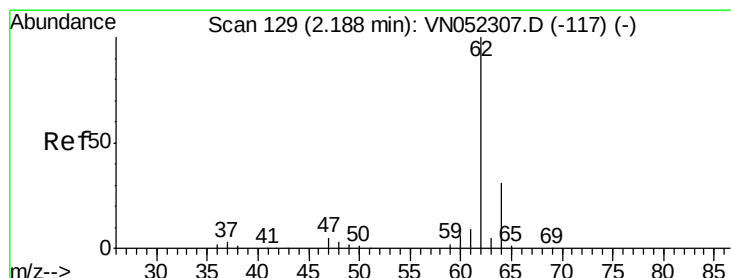
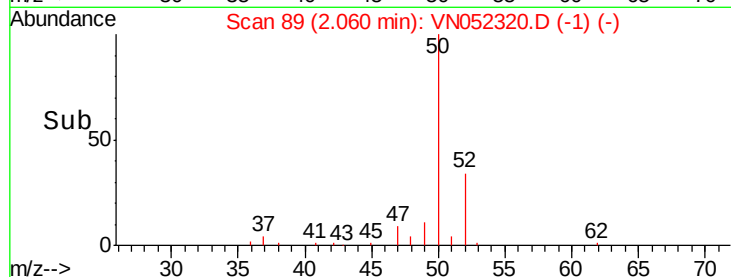
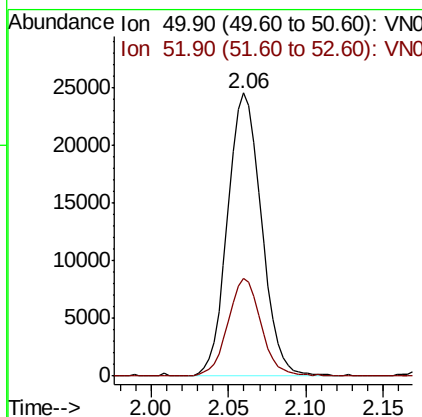
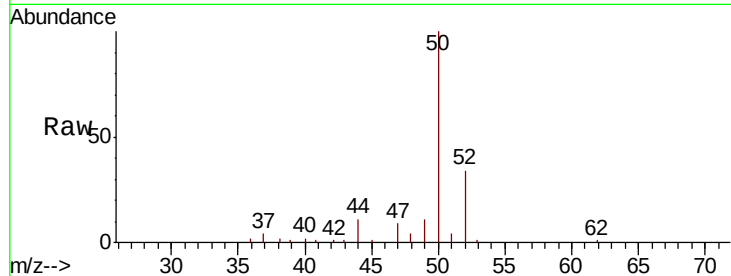




#3
Chloromethane
Concen: 9.778 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

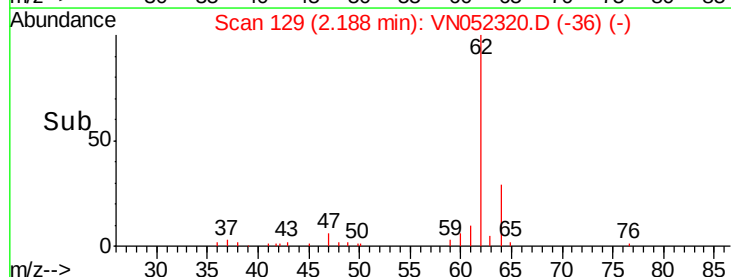
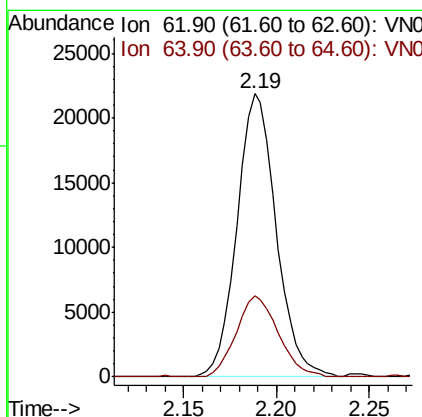
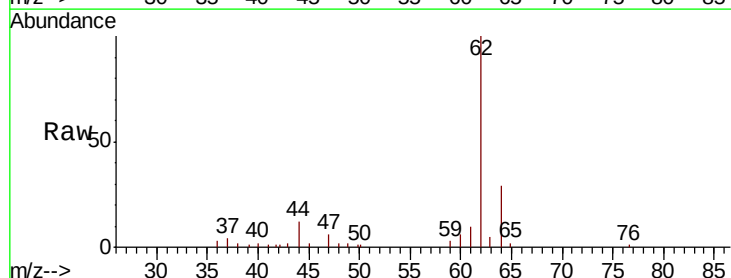
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

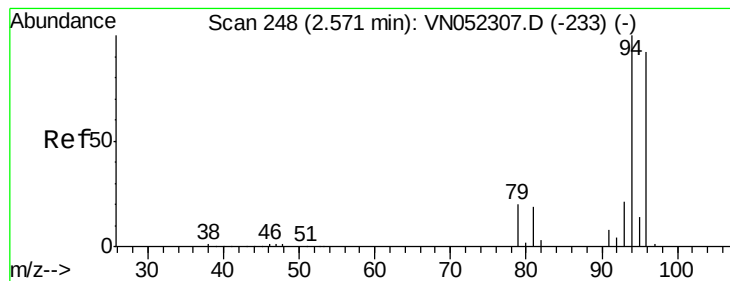
Tot Ion: 50 Resp: 37305
Ion Ratio Lower Upper
50 100
52 34.4 25.5 38.3



#4
Vinyl Chloride
Concen: 9.737 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 62 Resp: 32114
Ion Ratio Lower Upper
62 100
64 28.6 25.2 37.8





#5

Bromomethane

Concen: 10.105 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

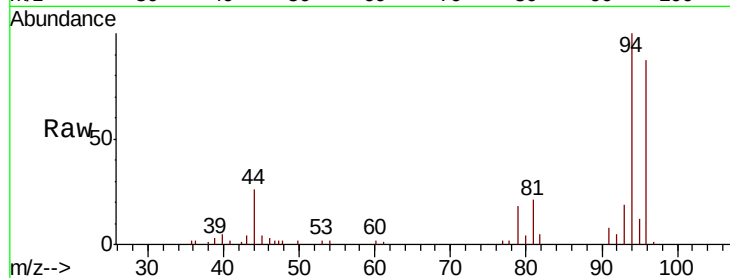
LOQ-WATER-02-QT4-2018

Tot Ion: 94 Resp: 20776

Ion Ratio Lower Upper

94 100

96 87.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

12000

10000

8000

6000

4000

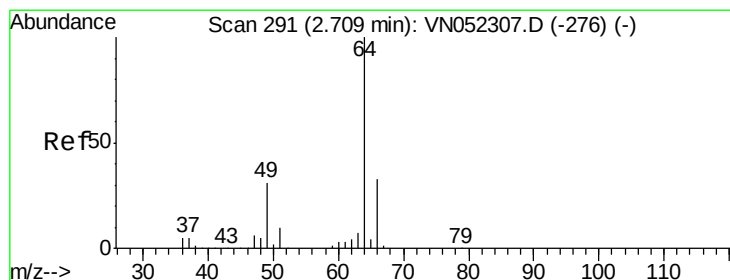
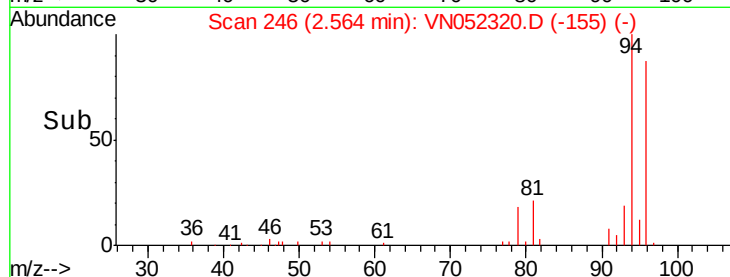
2000

0

2.56

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 10.428 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052320.D

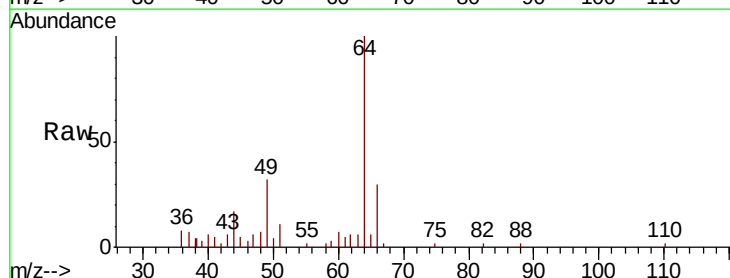
Acq: 14 Nov 2018 18:28

Tgt Ion: 64 Resp: 19445

Ion Ratio Lower Upper

64 100

66 29.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

10000

8000

6000

4000

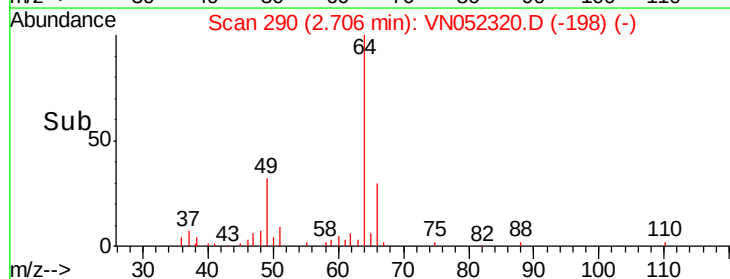
2000

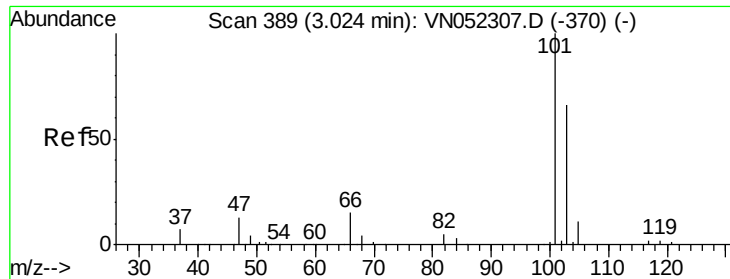
0

2.71

2.65 2.70 2.75 2.80

Time-->



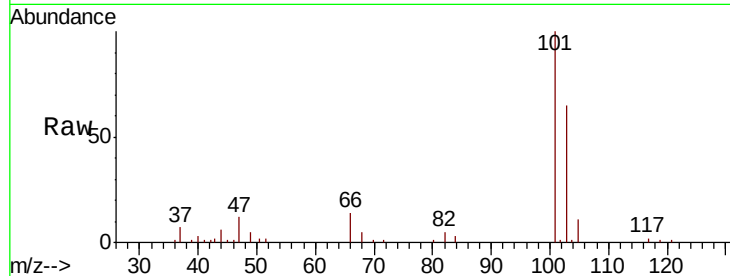


#7

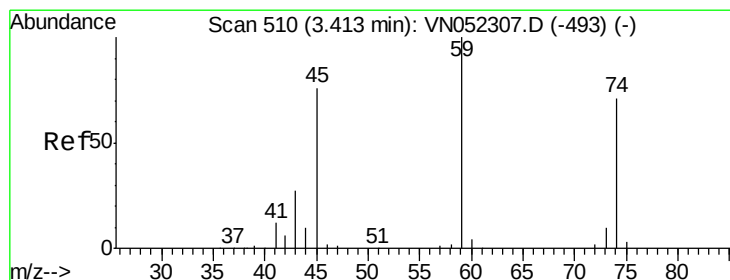
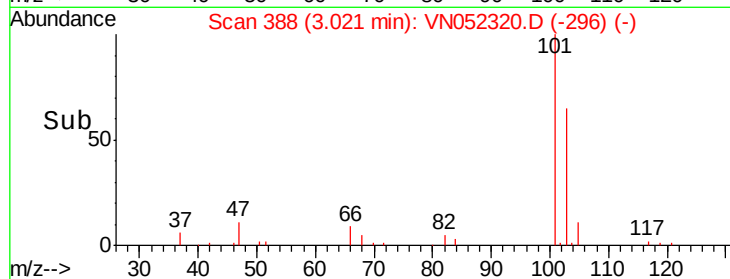
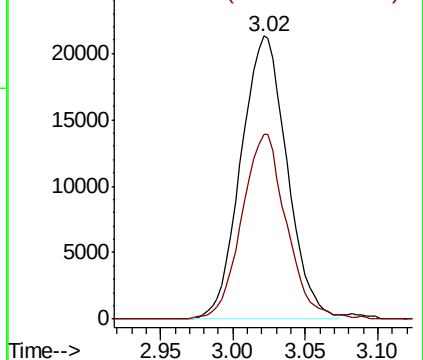
Trichlorofluoromethane
 Concen: 10.322 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion:101 Resp: 47106
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.8 79.2



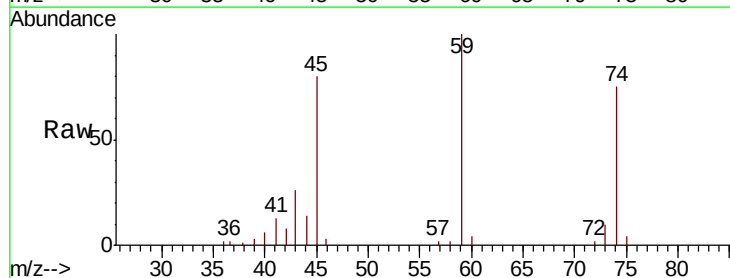
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



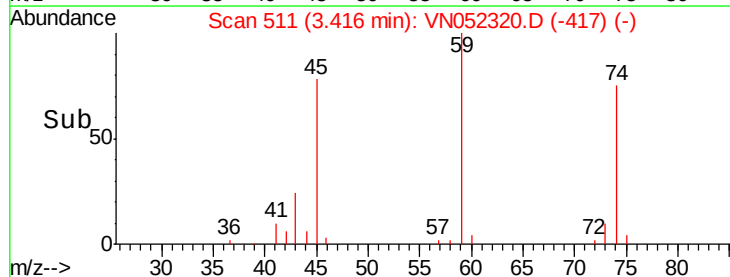
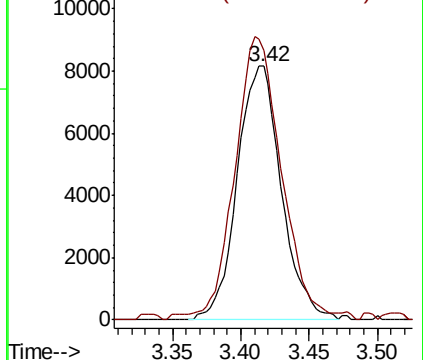
#8

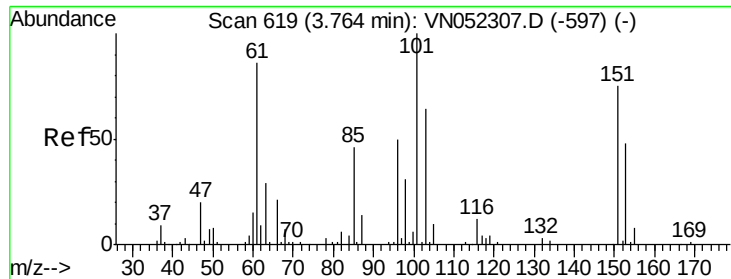
Diethyl Ether
 Concen: 10.562 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion: 74 Resp: 18371
 Ion Ratio Lower Upper
 74 100
 45 110.6 54.3 162.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.859 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

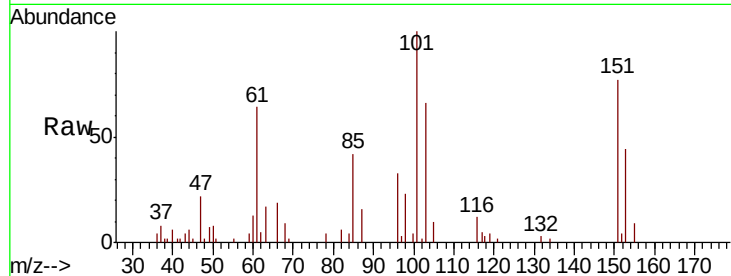
Tot Ion:101 Resp: 28415

Ion Ratio Lower Upper

101 100

85 49.3 37.4 56.0

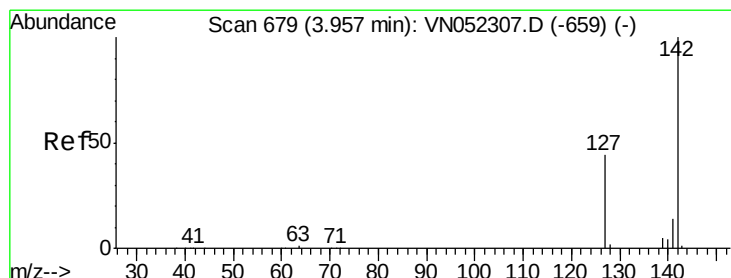
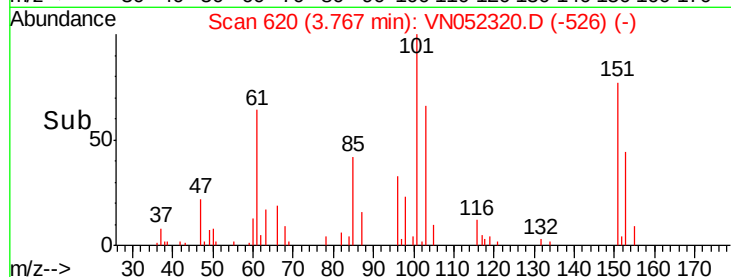
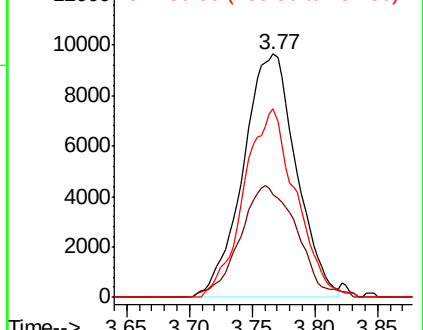
151 75.5 58.6 88.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.332 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

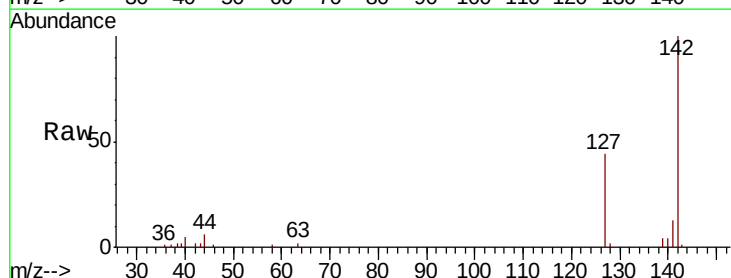
Tgt Ion:142 Resp: 36113

Ion Ratio Lower Upper

142 100

127 45.3 36.3 54.5

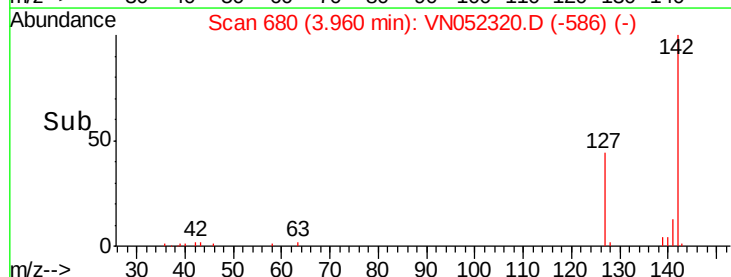
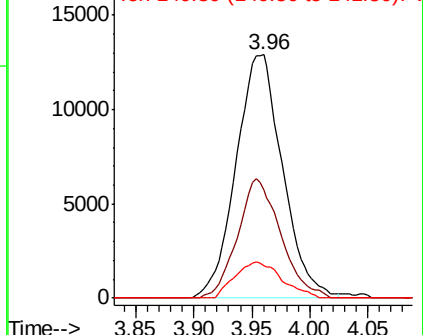
141 14.8 11.4 17.2

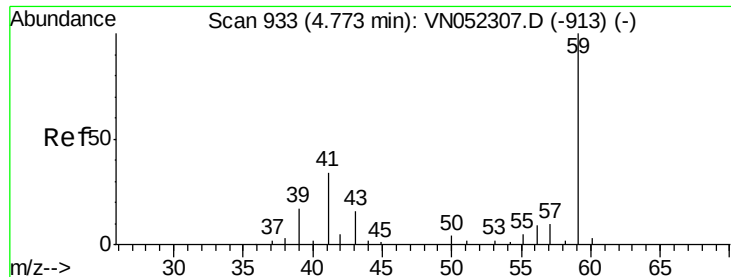


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

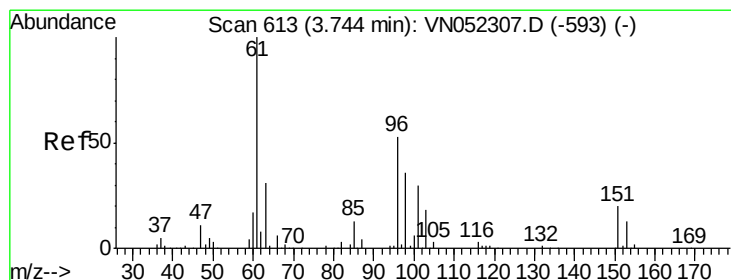
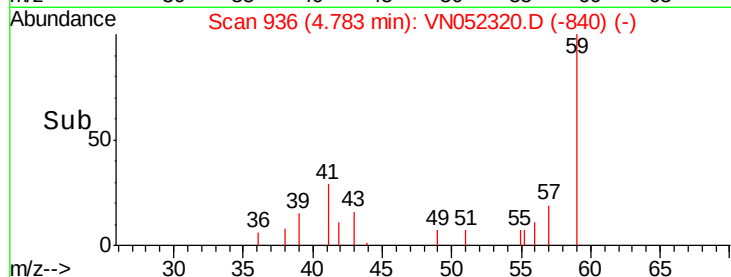
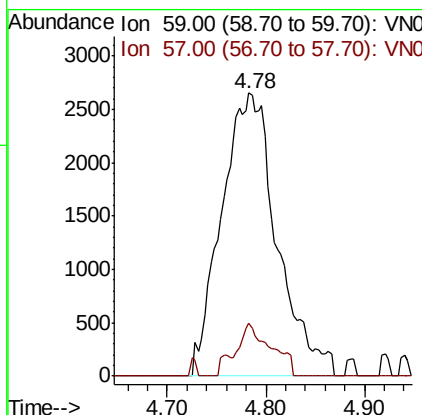
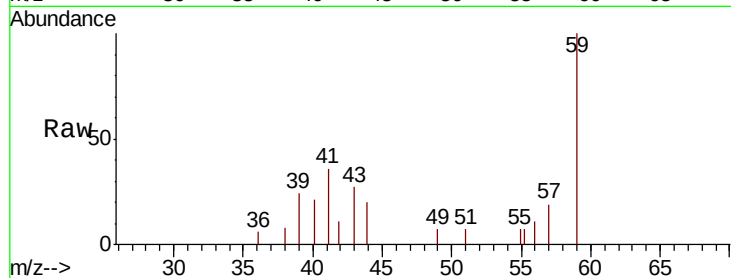




#11
Tert butyl alcohol
Concen: 53.645 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

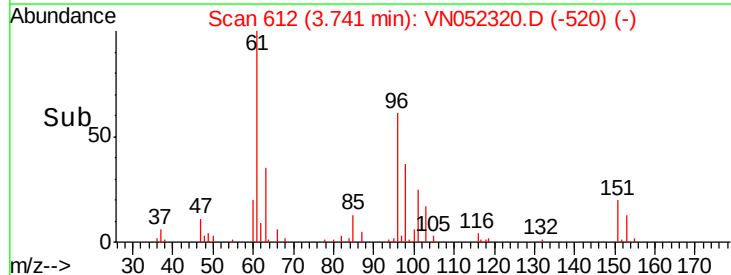
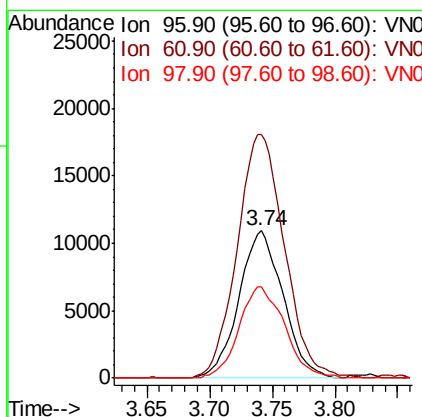
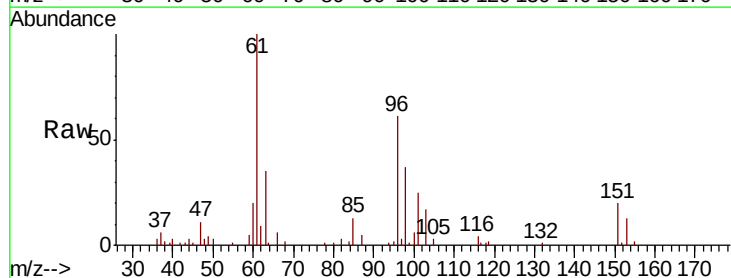
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

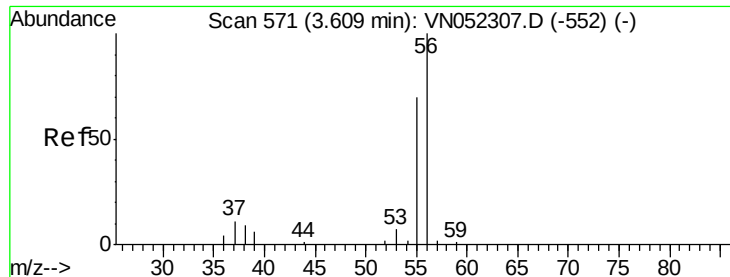
Tot Ion: 59 Resp: 10367
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 10.027 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 96 Resp: 26744
Ion Ratio Lower Upper
96 100
61 164.9 149.6 224.4
98 61.5 54.2 81.2





#13

Acrolein

Concen: 71.487 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

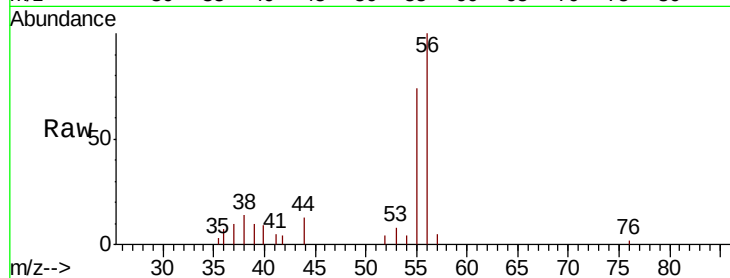
LOQ-WATER-02-QT4-2018

Tot Ion: 56 Resp: 15874

Ion Ratio Lower Upper

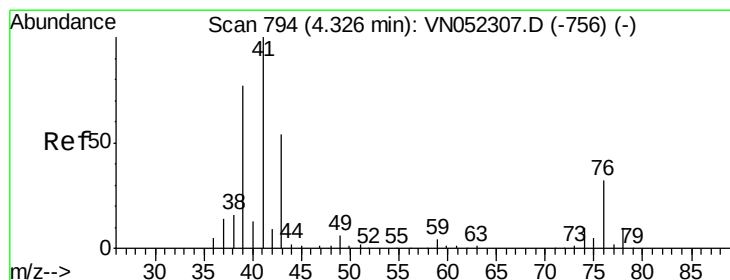
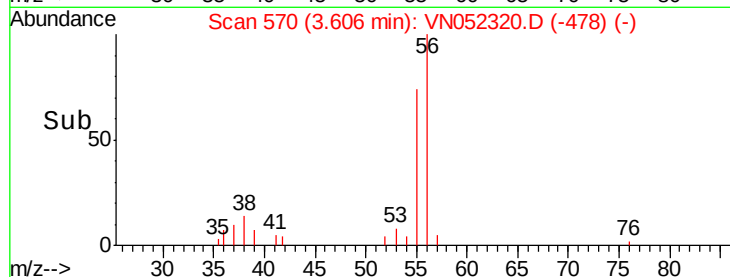
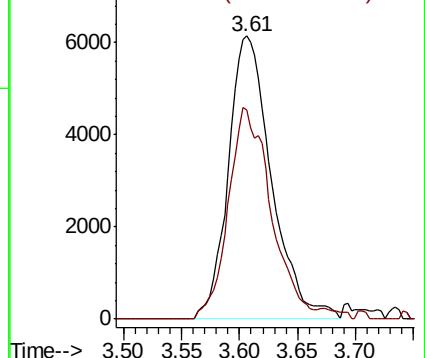
56 100

55 73.9 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 10.047 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

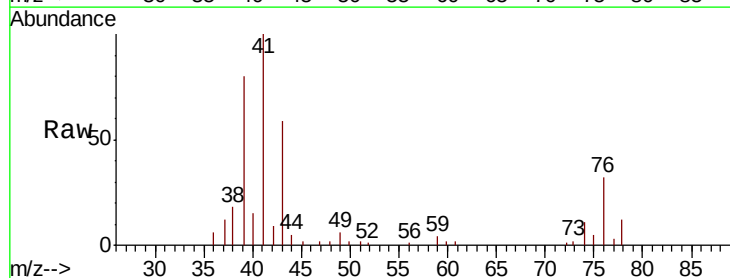
Tgt Ion: 41 Resp: 55022

Ion Ratio Lower Upper

41 100

39 72.0 59.1 88.7

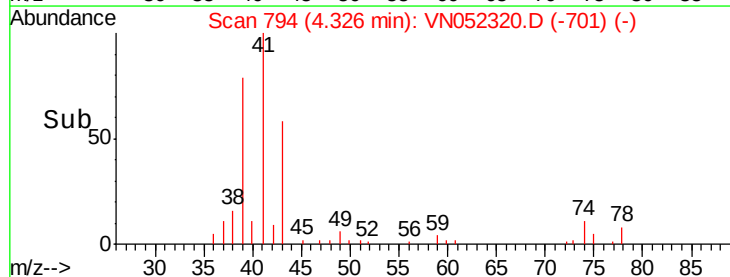
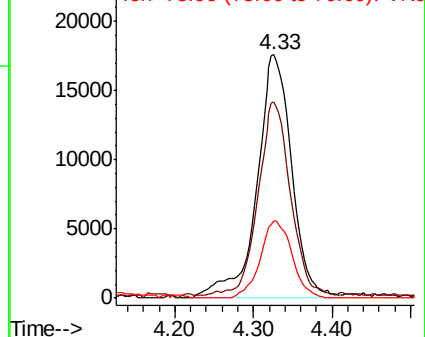
76 29.0 24.1 36.1

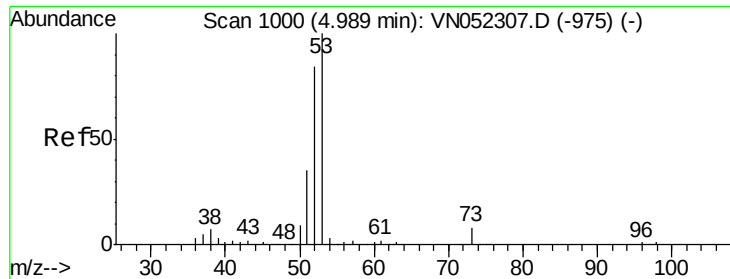


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 53.170 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

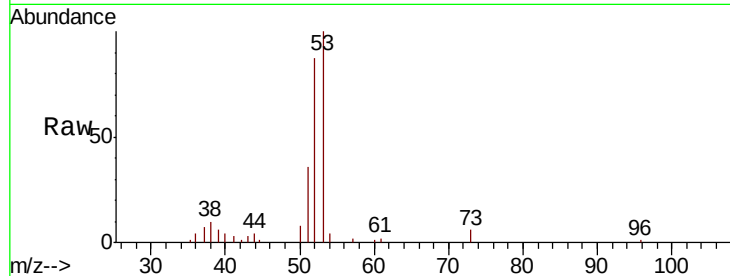
Tot Ion: 53 Resp: 58673

Ion Ratio Lower Upper

53 100

52 82.0 67.5 101.3

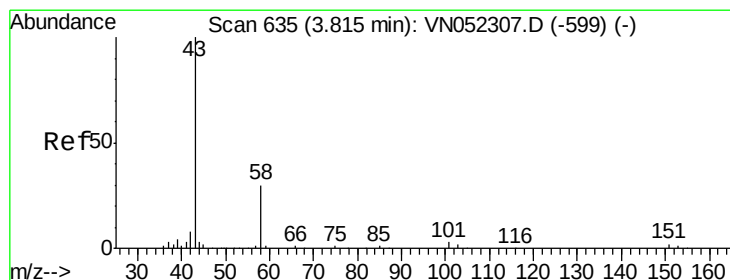
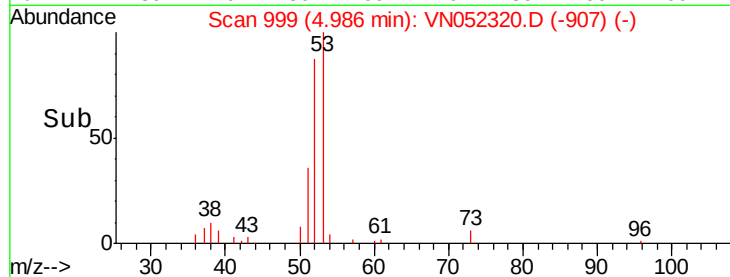
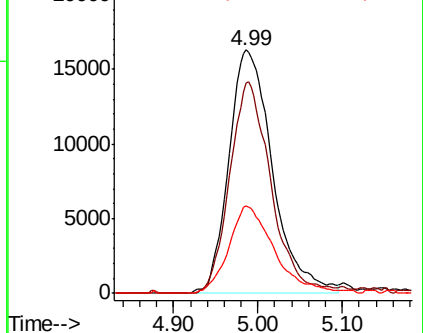
51 37.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 43.413 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052320.D

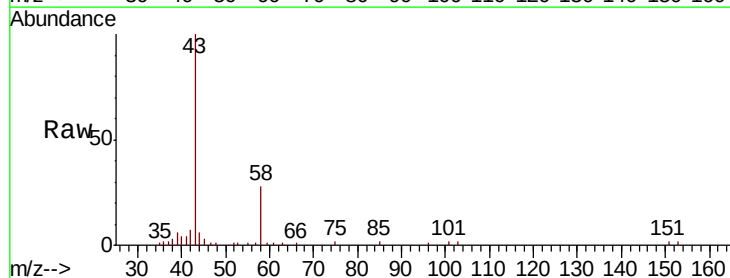
Acq: 14 Nov 2018 18:28

Tgt Ion: 43 Resp: 43740

Ion Ratio Lower Upper

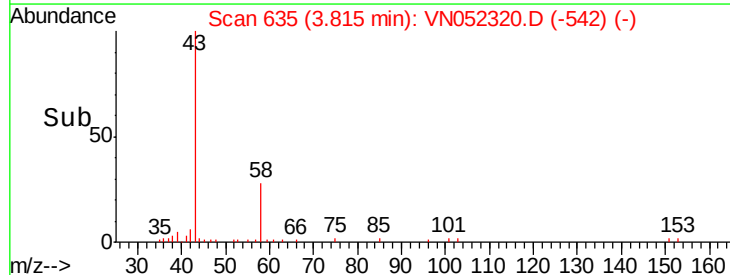
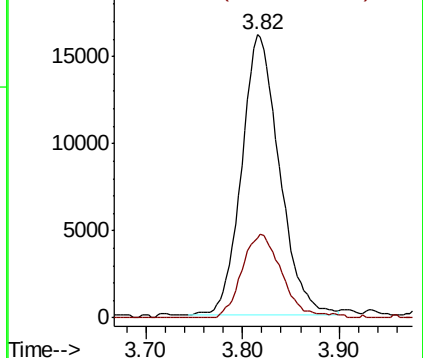
43 100

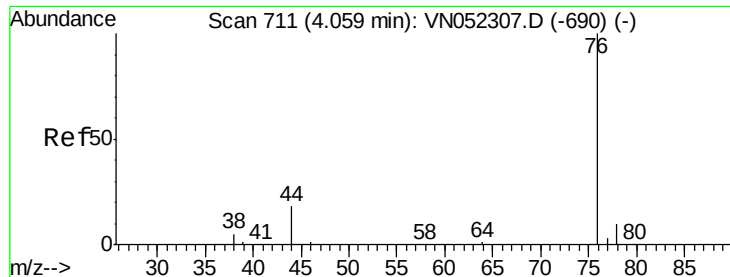
58 28.4 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 9.531 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

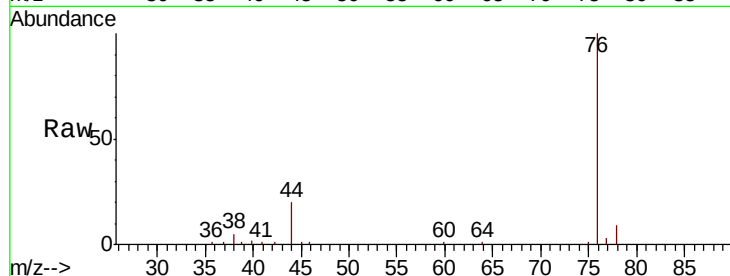
LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 72895

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

30000

25000

20000

15000

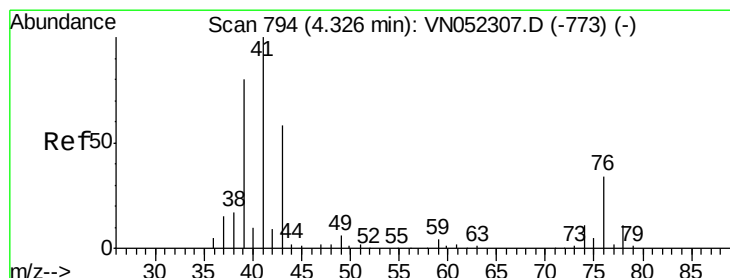
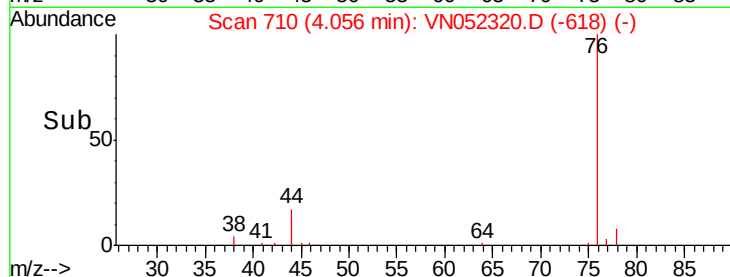
10000

5000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 11.499 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052320.D

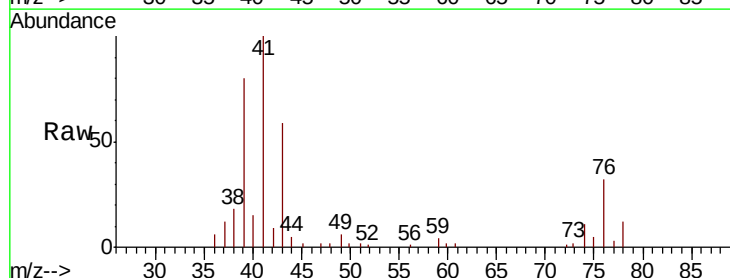
Acq: 14 Nov 2018 18:28

Tgt Ion: 43 Resp: 31518

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

12000

10000

8000

6000

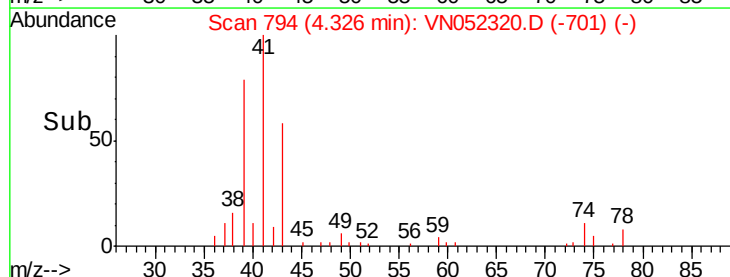
4000

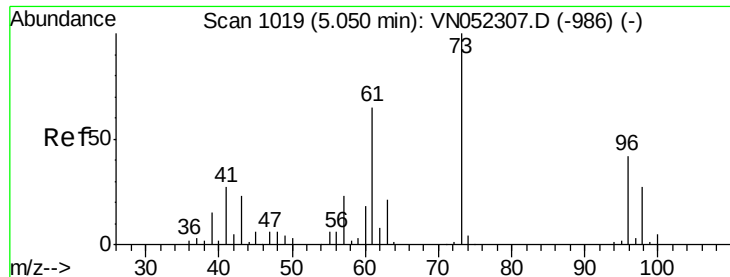
2000

0

Time-->

4.20 4.30 4.40

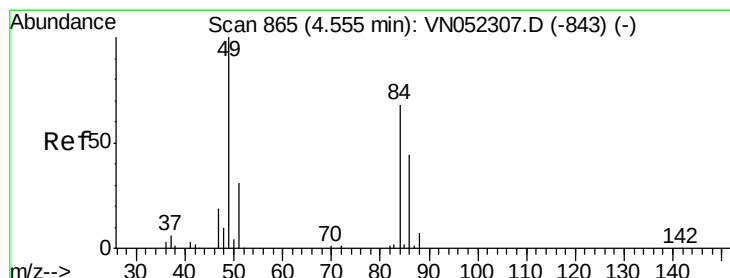
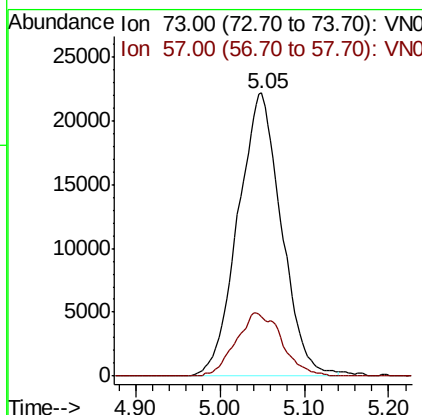
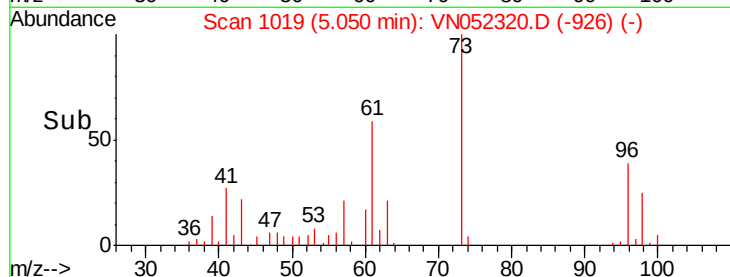
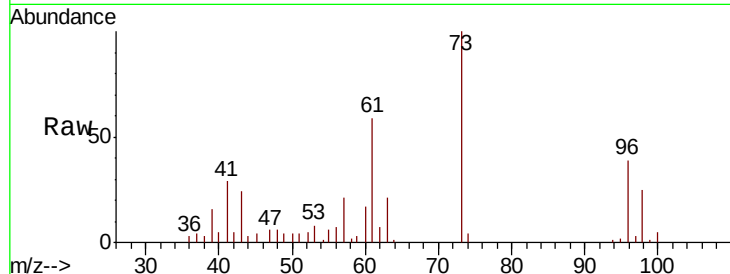




#19
Methvl tert-butyl Ether
Concen: 10.338 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

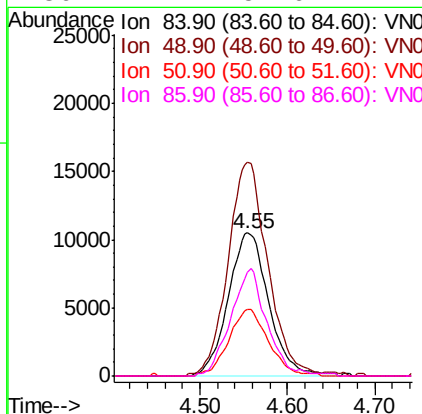
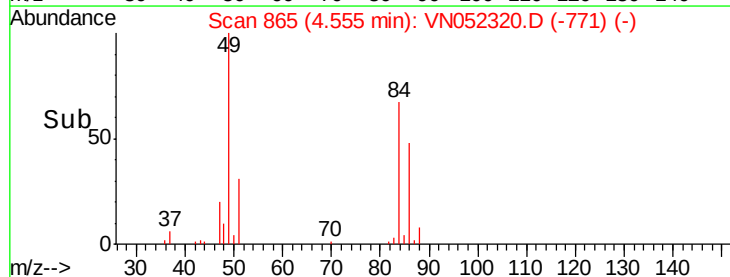
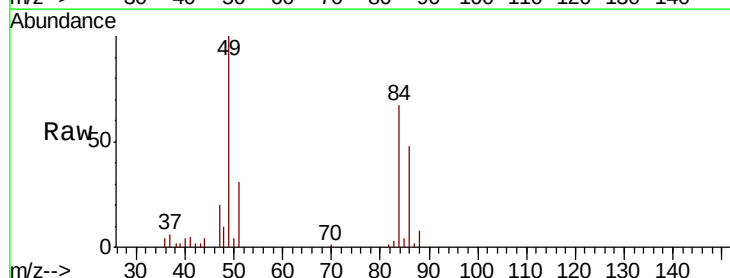
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

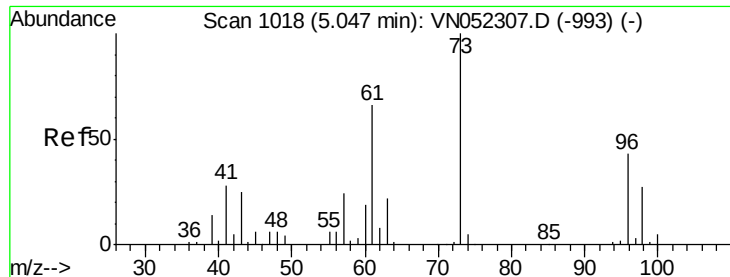
Tot Ion: 73 Resp: 79236
Ion Ratio Lower Upper
73 100
57 20.9 18.7 28.1



#20
Methylene Chloride
Concen: 10.450 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 84 Resp: 33729
Ion Ratio Lower Upper
84 100
49 147.5 118.2 177.2
51 46.8 36.1 54.1
86 72.1 51.6 77.4

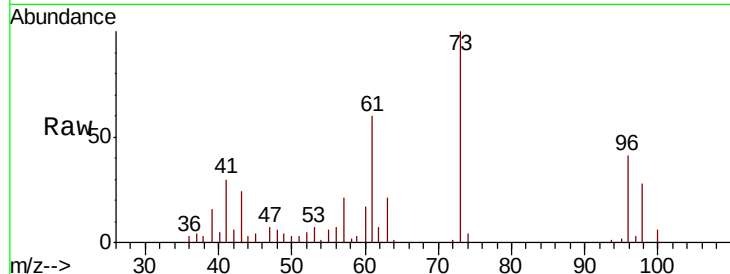




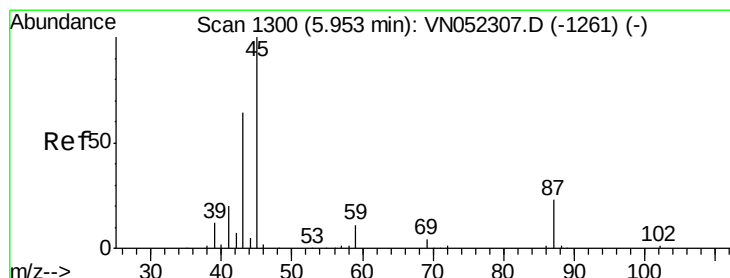
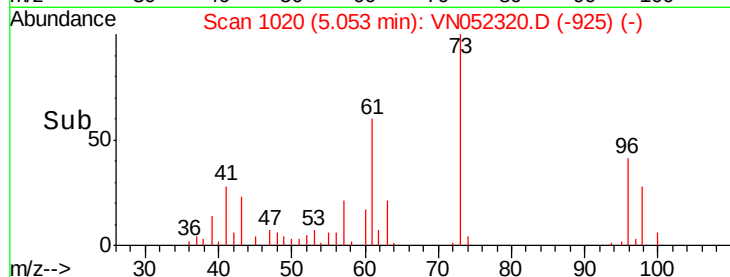
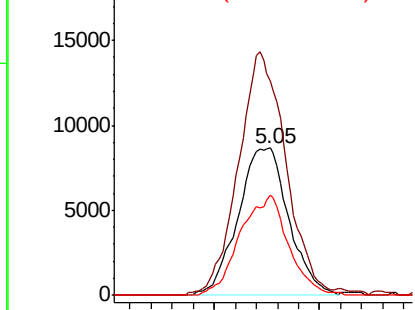
#21
trans-1,2-Dichloroethene
Concen: 10.098 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 96 Resp: 28996
Ion Ratio Lower Upper
96 100
61 143.2 123.6 185.4
98 67.7 50.7 76.1

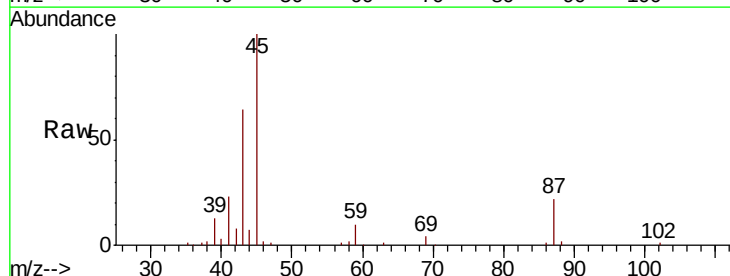


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

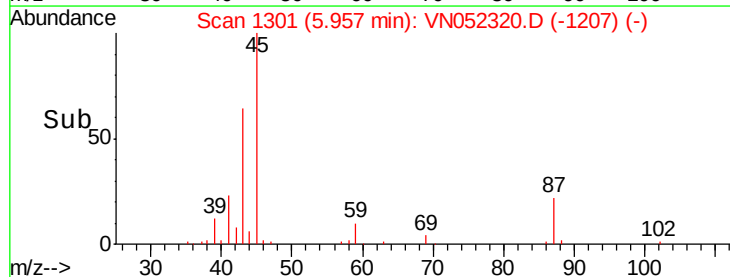
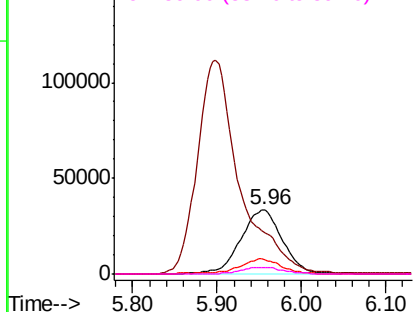


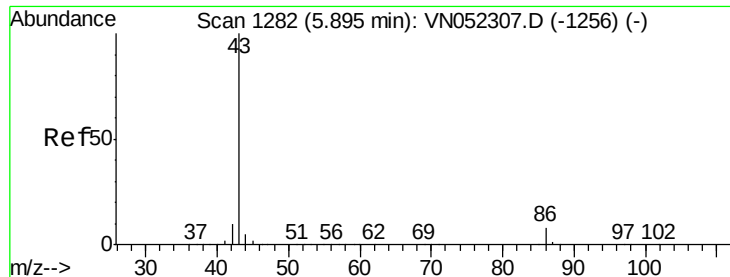
#22
Diisopropyl ether
Concen: 10.008 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 45 Resp: 111831
Ion Ratio Lower Upper
45 100
43 61.6 51.4 77.2
87 22.2 18.8 28.2
59 10.1 8.6 12.8



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





#23

Vinyl Acetate

Concen: 51.823 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

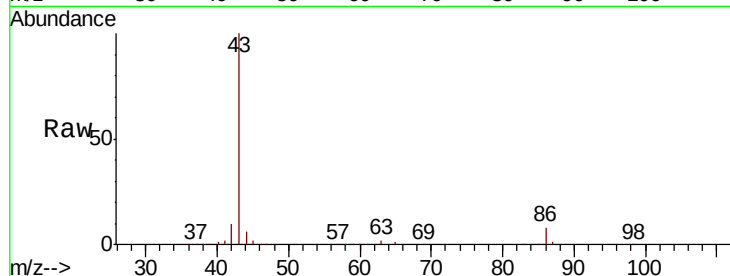
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 392816

Ion Ratio Lower Upper

43 100

86 7.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052320.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052320.D (-1189) (-)

5.90

120000

100000

80000

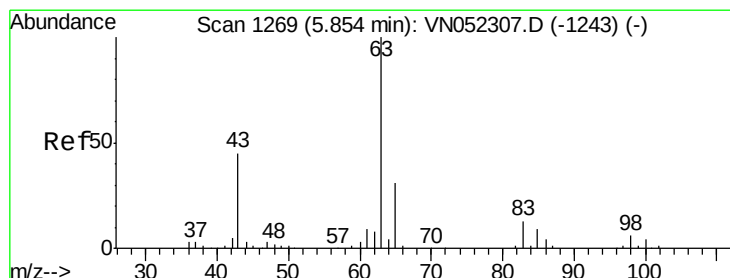
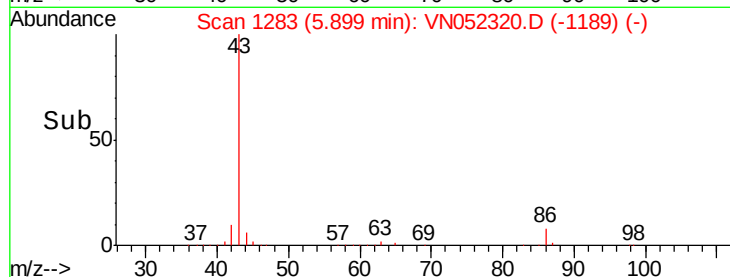
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 10.237 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

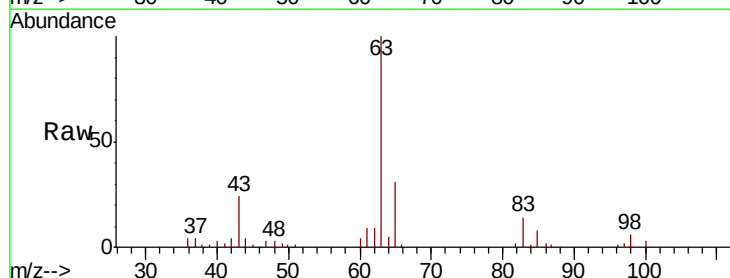
Tgt Ion: 63 Resp: 61338

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.6

100 3.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN052320.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052320.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052320.D (-1176) (-)

5.85

25000

20000

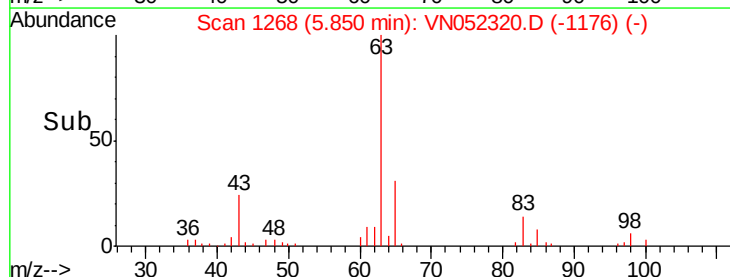
15000

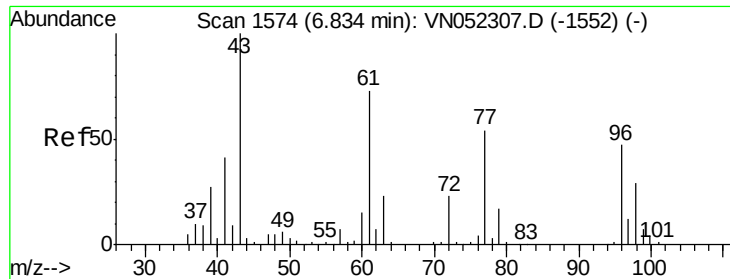
10000

5000

0

Time--> 5.70 5.80 5.90 6.00

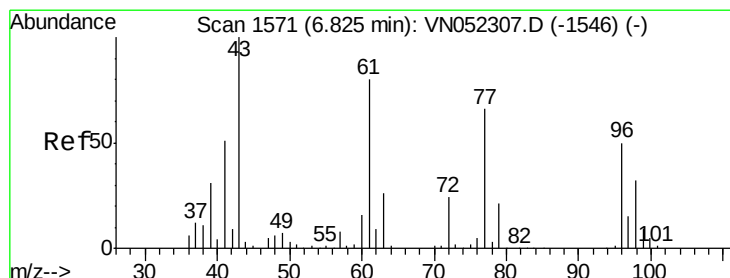
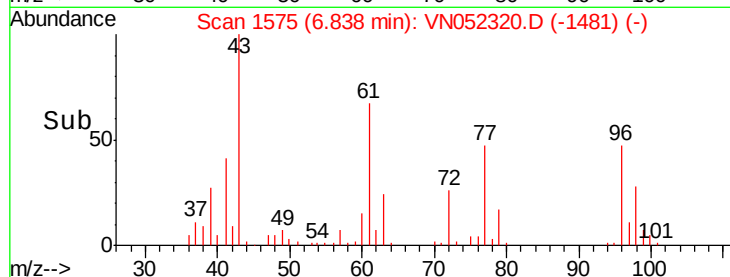
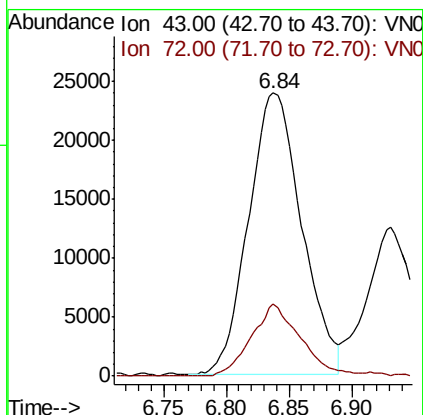
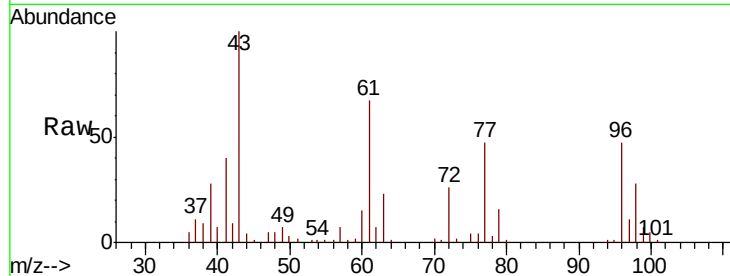




#25
2-Butanone
Concen: 49.602 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

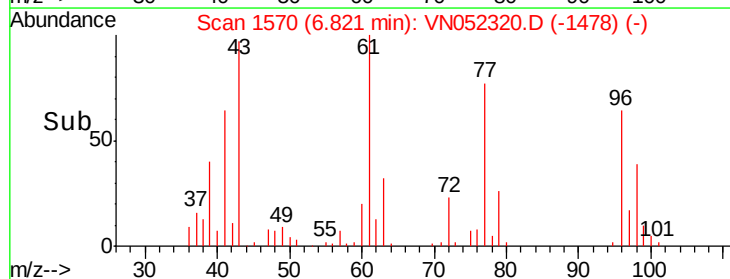
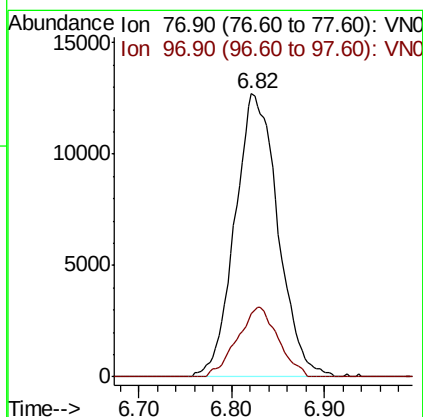
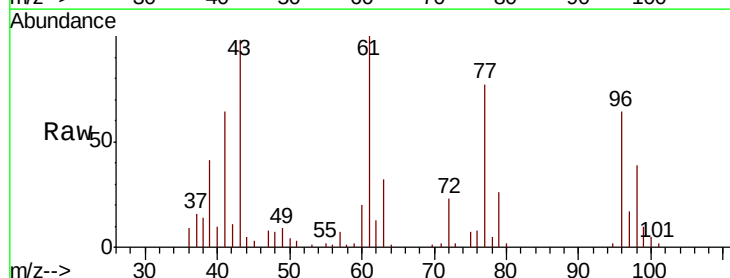
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

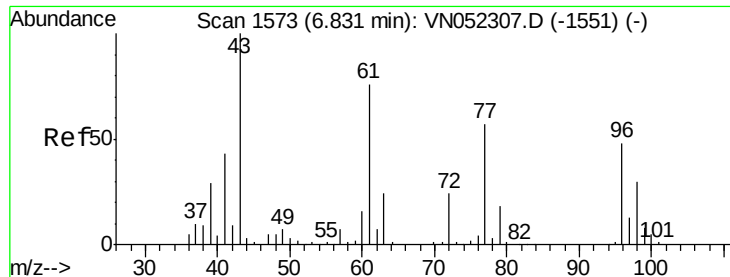
Tot Ion: 43 Resp: 70345
Ion Ratio Lower Upper
43 100
72 25.9 18.6 27.8



#26
2,2-Dichloropropane
Concen: 9.300 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 77 Resp: 40976
Ion Ratio Lower Upper
77 100
97 23.3 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 10.167 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

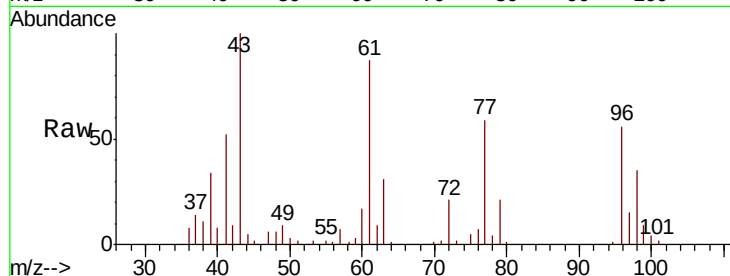
Tot Ion: 96 Resp: 33987

Ion Ratio Lower Upper

96 100

61 160.8 0.0 316.8

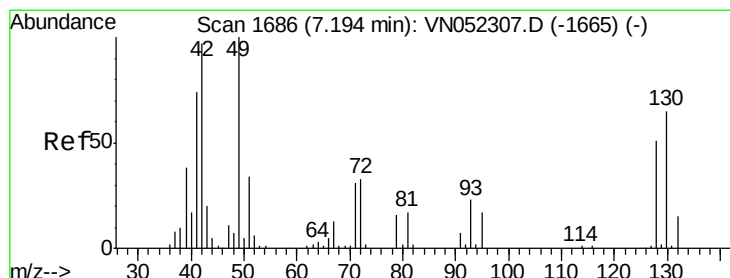
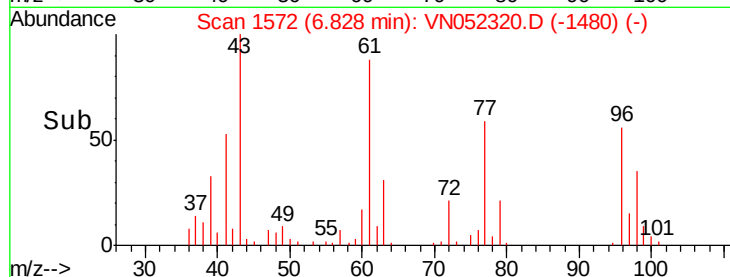
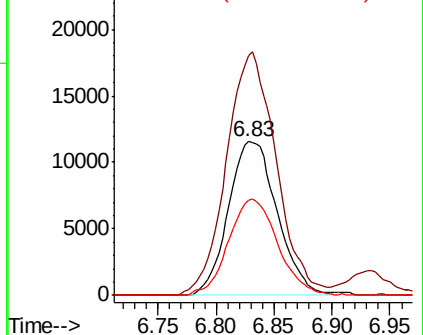
98 62.8 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN052320.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052320.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052320.D (-1480) (-)



#28

Bromochloromethane

Concen: 9.991 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

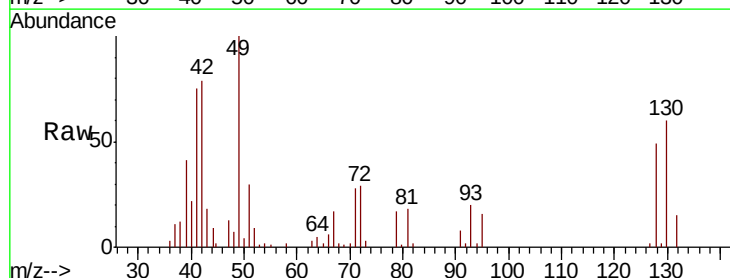
Tgt Ion: 49 Resp: 30780

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.0

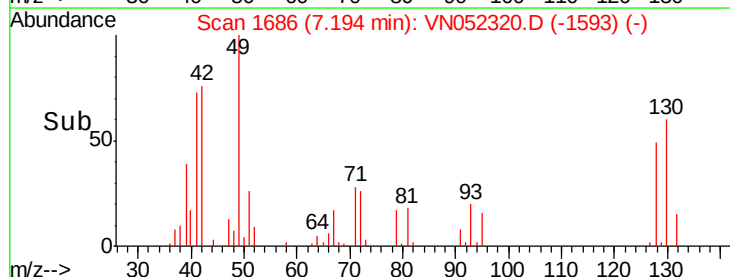
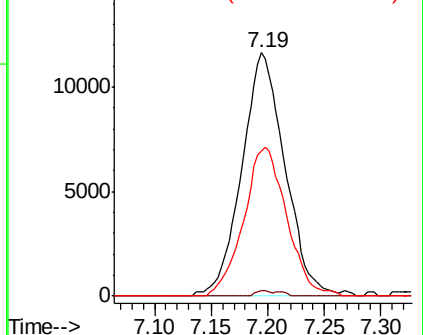
130 61.0 50.4 75.6

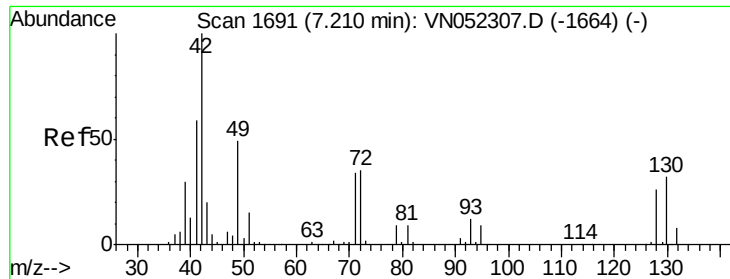


Abundance Ion 48.90 (48.60 to 49.60): VN052320.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052320.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052320.D (-1593) (-)

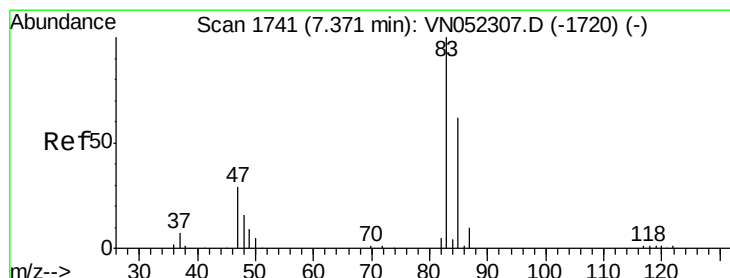
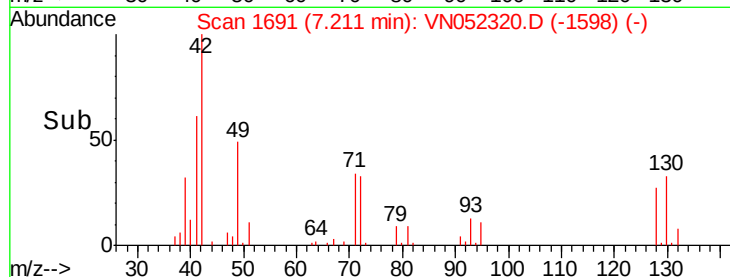
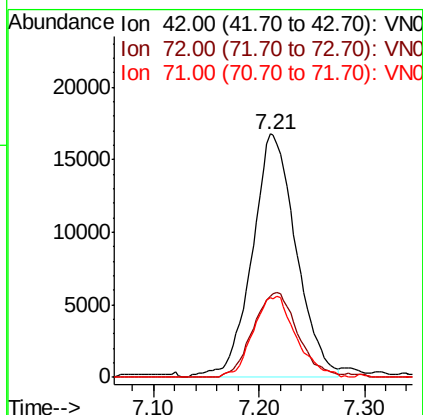
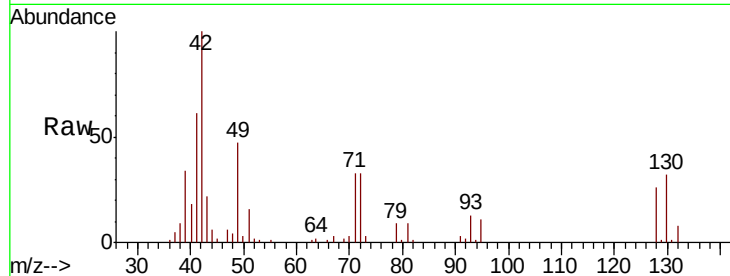




#29
Tetrahydrofuran
Concen: 52.122 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

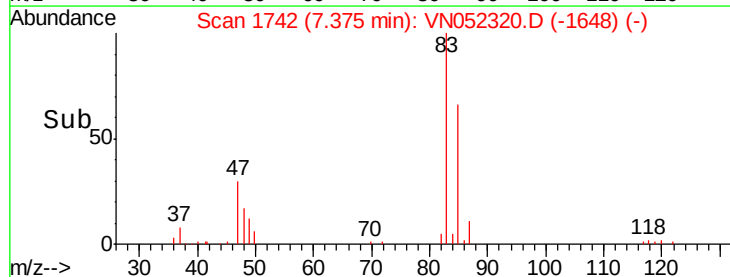
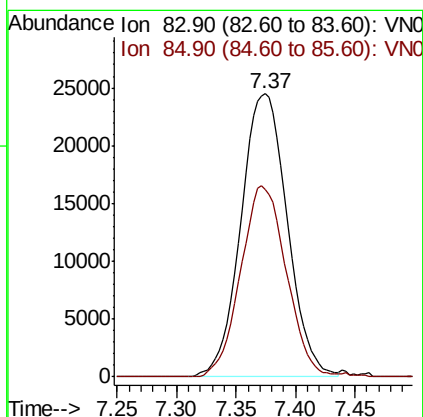
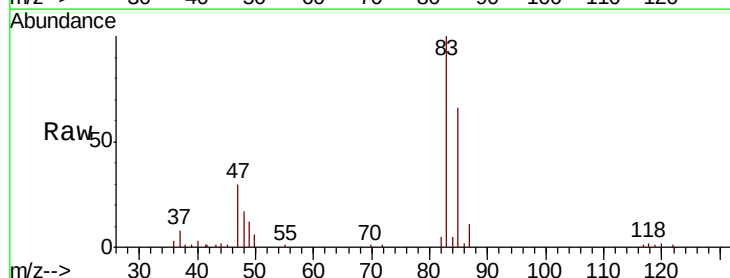
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

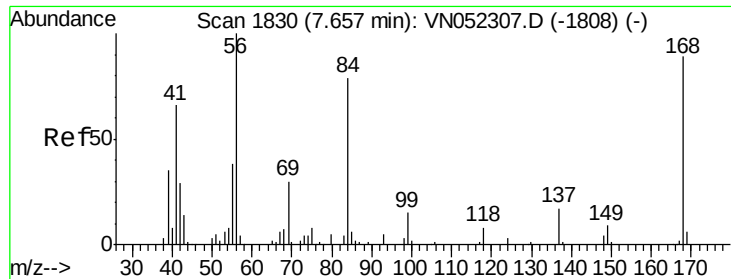
Tot Ion: 42 Resp: 48559
Ion Ratio Lower Upper
42 100
72 35.4 28.6 42.8
71 32.6 26.7 40.1



#30
Chloroform
Concen: 11.591 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 83 Resp: 66186
Ion Ratio Lower Upper
83 100
85 66.0 49.4 74.2

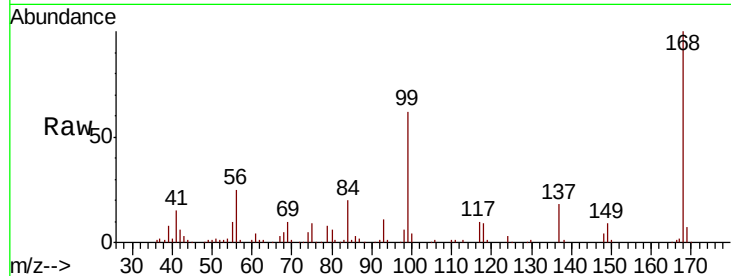




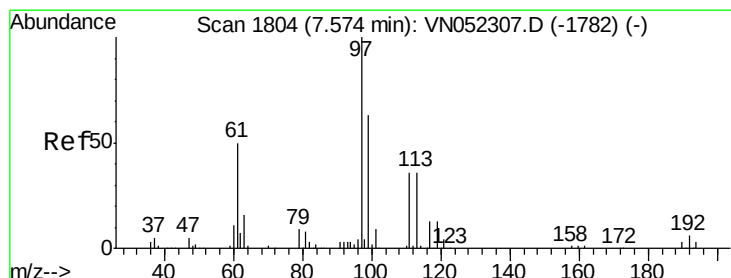
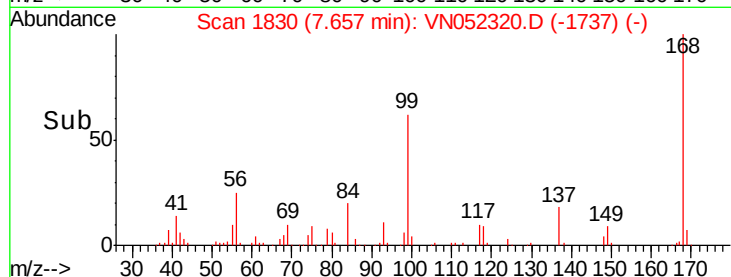
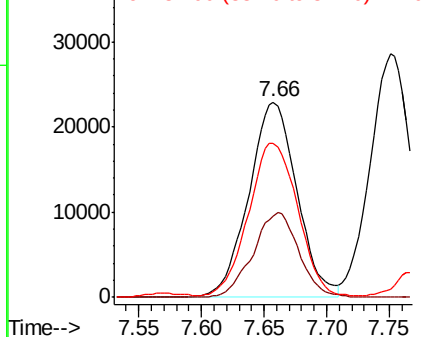
#31
Cyclohexane
Concen: 10.167 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 56 Resp: 61259
Ion Ratio Lower Upper
56 100
69 41.5 23.8 35.8#
84 77.4 63.0 94.6

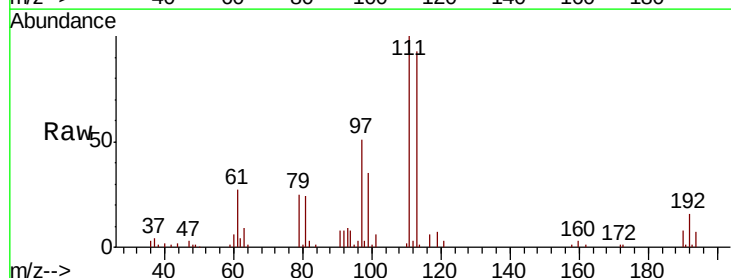


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

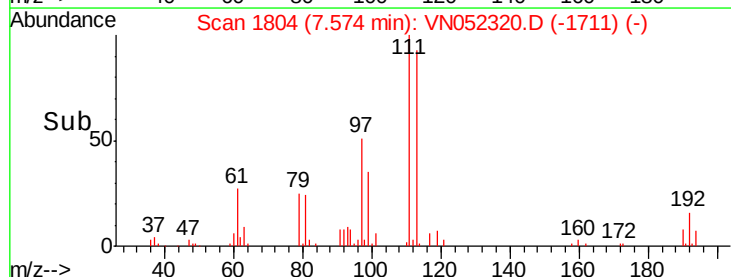
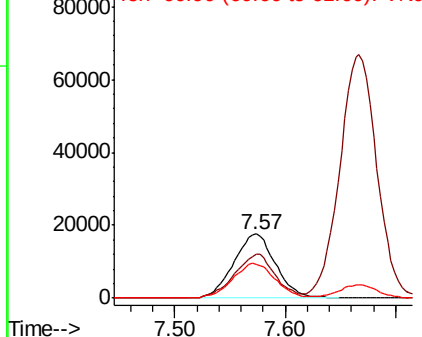


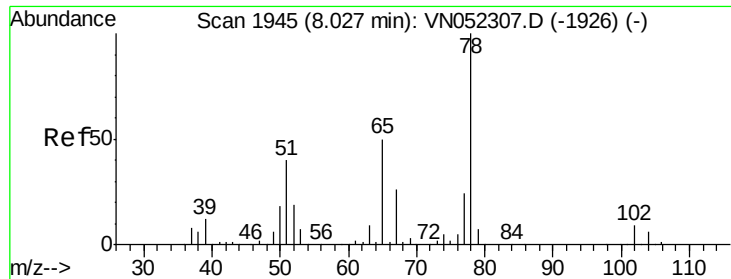
#32
1,1,1-Trichloroethane
Concen: 9.507 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 97 Resp: 46246
Ion Ratio Lower Upper
97 100
99 66.3 50.2 75.2
61 55.4 40.2 60.4



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

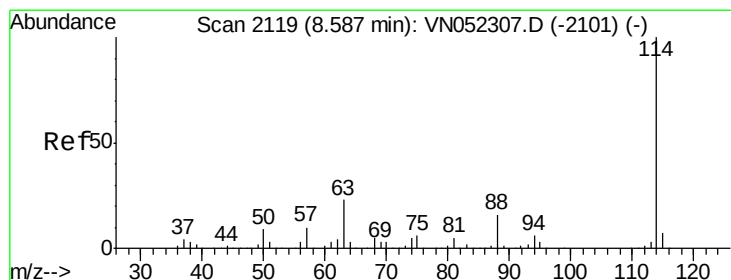
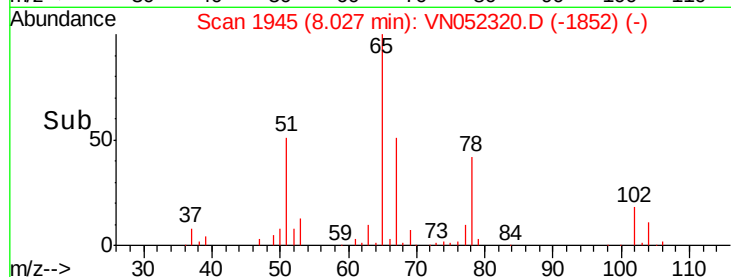
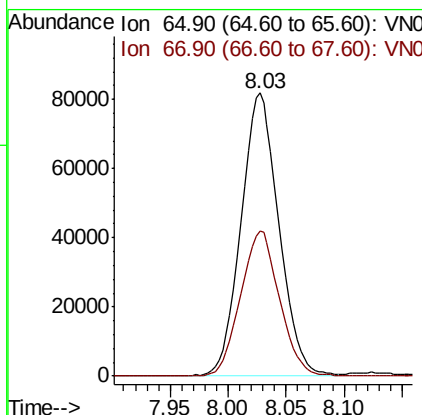
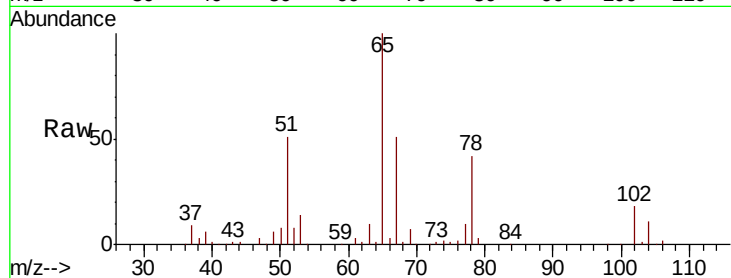




#33
 1,2-Dichloroethane-d4
 Concen: 9.507 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

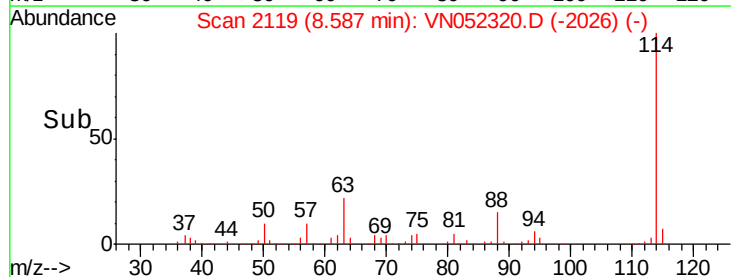
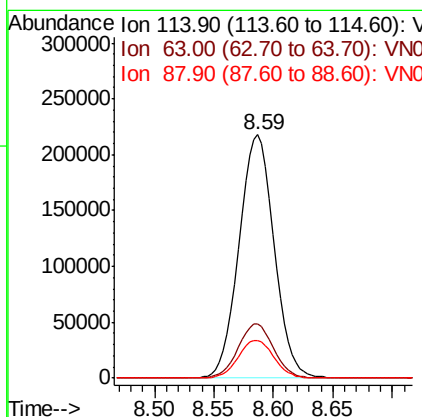
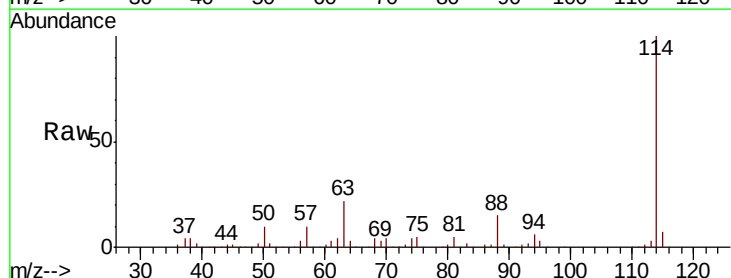
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

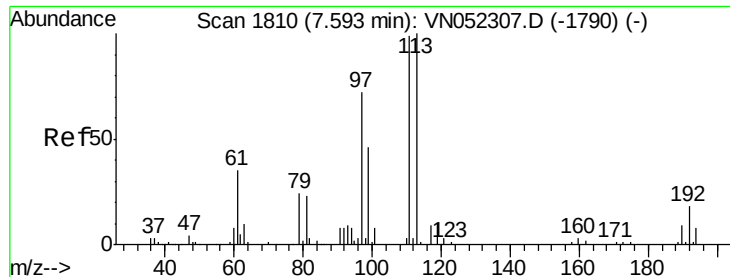
Tot Ion: 65 Resp: 186003
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion: 114 Resp: 445521
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.4
 88 15.3 0.0 31.2

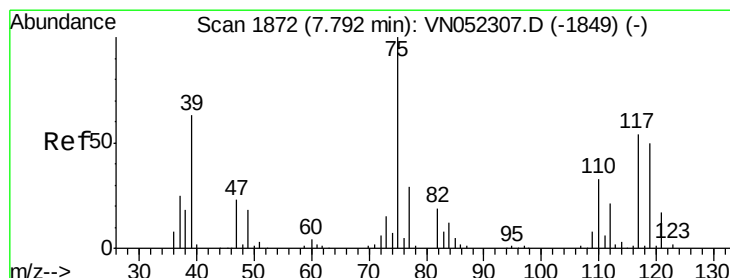
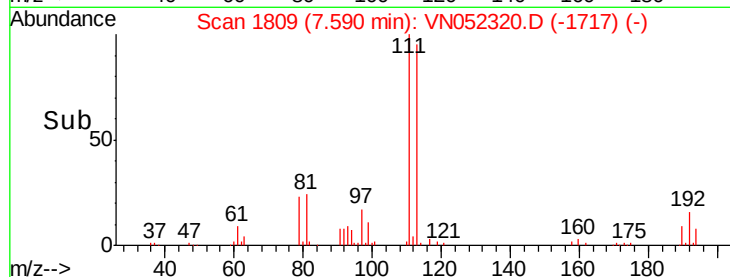
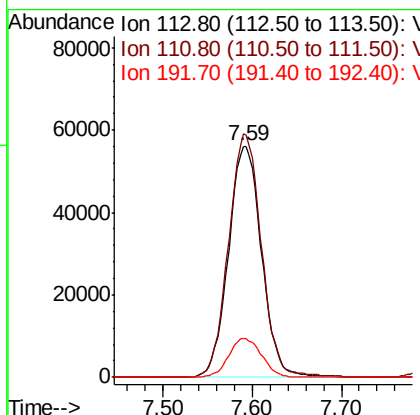
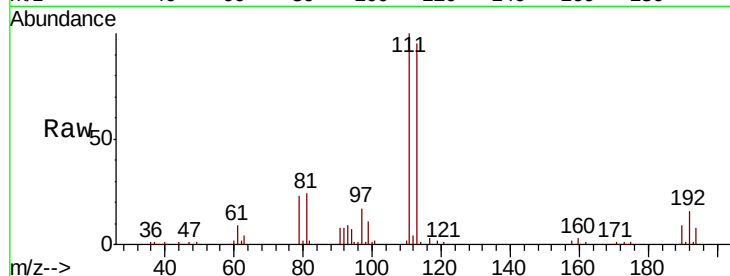




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

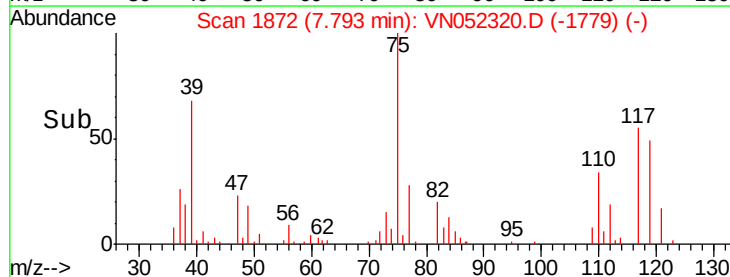
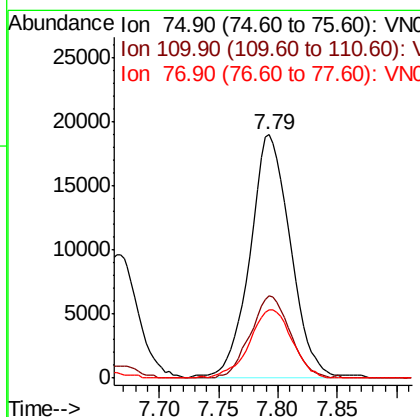
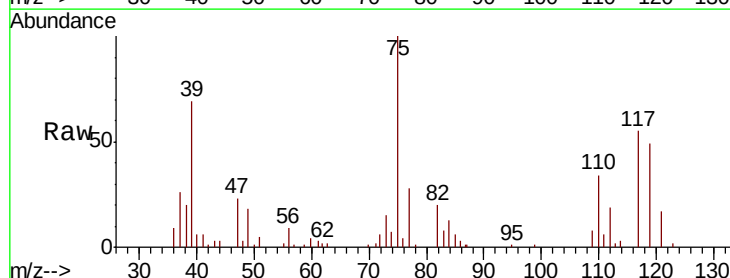
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

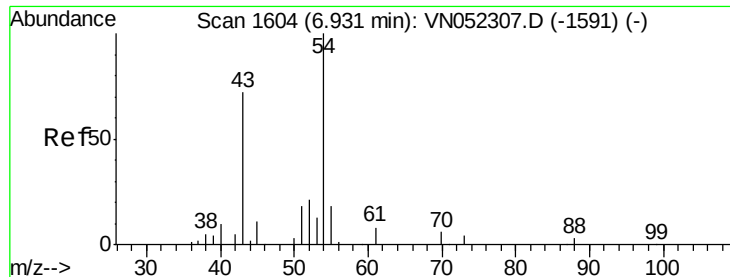
Tot Ion:113 Resp: 144150
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.0 121.6
 192 16.8 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 10.046 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion: 75 Resp: 44858
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.5 49.5
 77 29.6 24.2 36.2

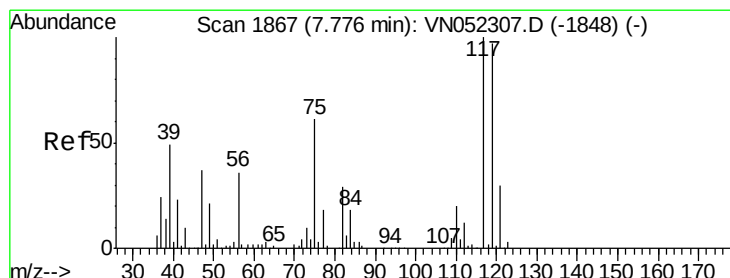
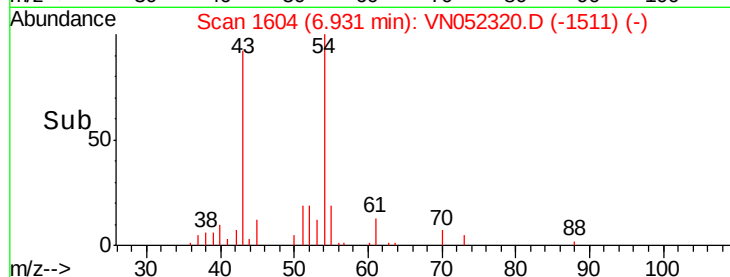
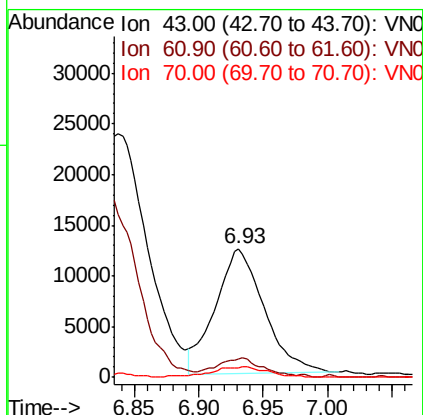
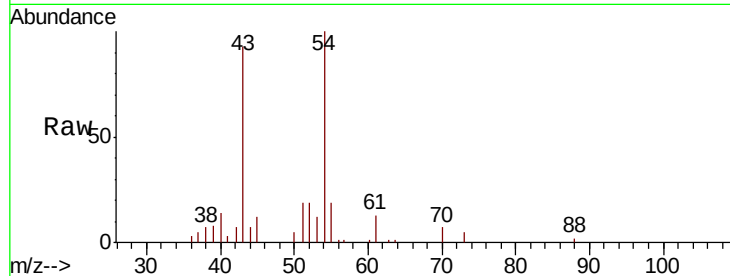




#37
Ethyl Acetate
Concen: 10.047 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

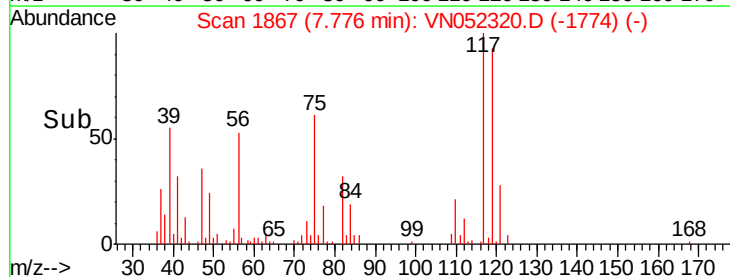
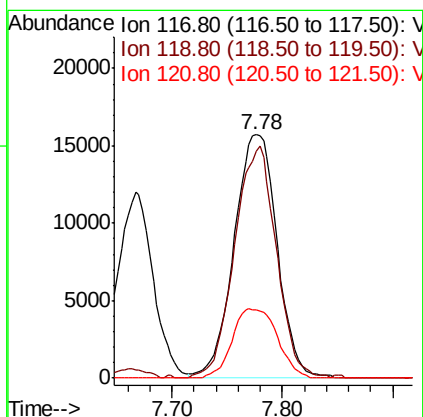
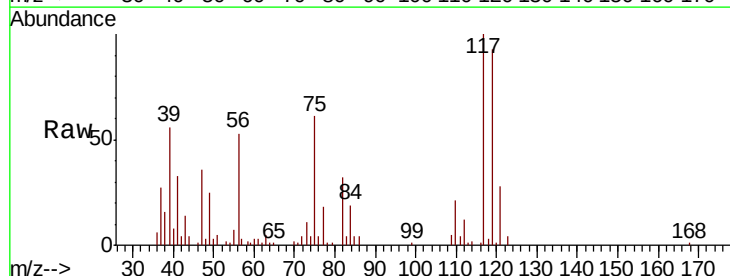
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

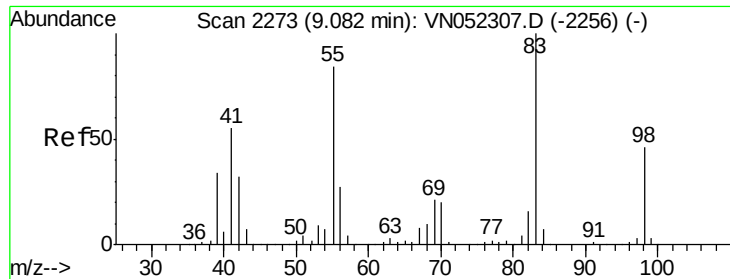
Tot Ion: 43 Resp: 32561
Ion Ratio Lower Upper
43 100
61 14.9 10.3 15.5
70 9.5 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 10.387 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 117 Resp: 42612
Ion Ratio Lower Upper
117 100
119 93.3 77.4 116.0
121 27.9 24.0 36.0

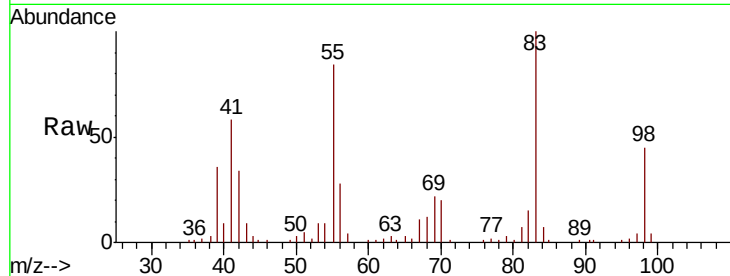




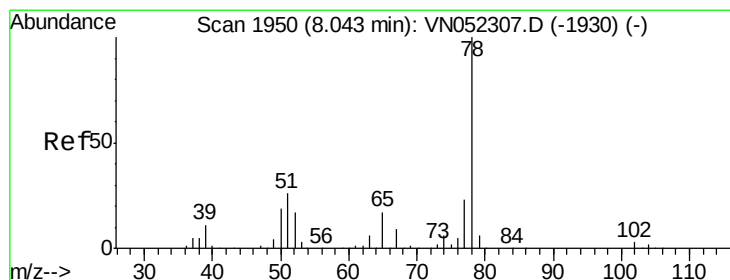
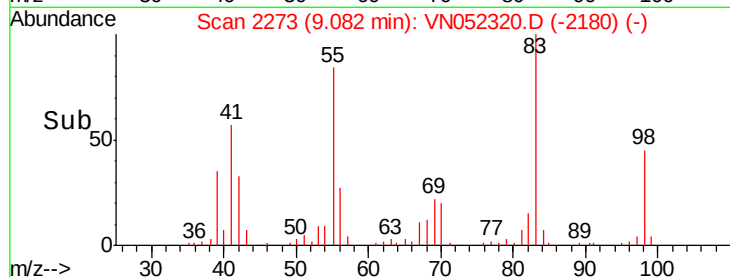
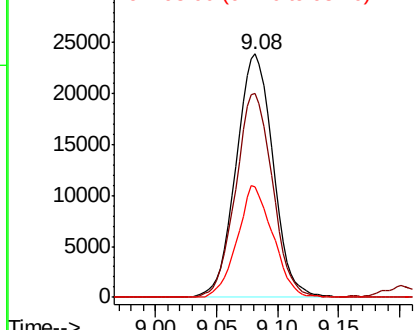
#39
Methylvlcyclohexane
Concen: 9.809 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 83 Resp: 50003
Ion Ratio Lower Upper
83 100
55 83.6 66.8 100.2
98 45.5 36.4 54.6

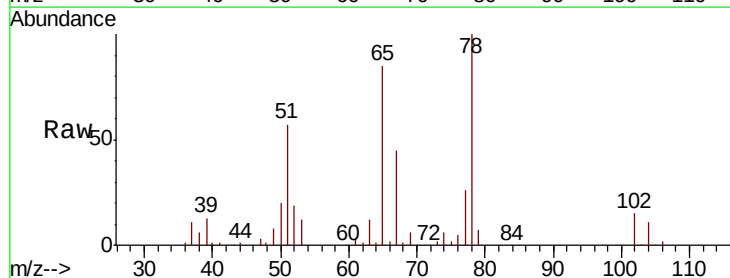


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

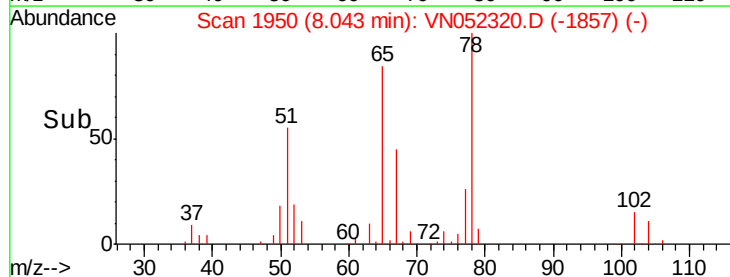
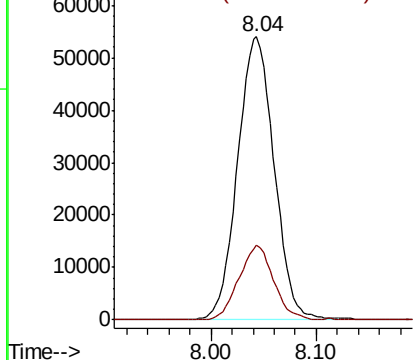


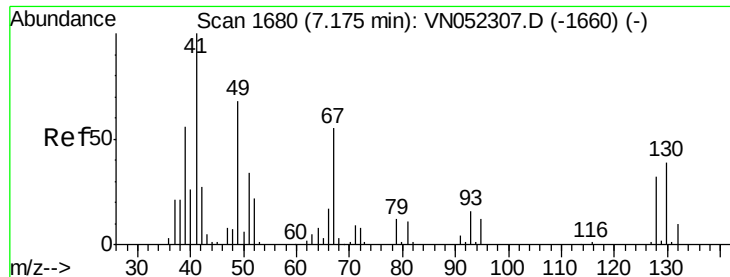
#40
Benzene
Concen: 10.191 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 78 Resp: 130007
Ion Ratio Lower Upper
78 100
77 26.2 18.7 28.1



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

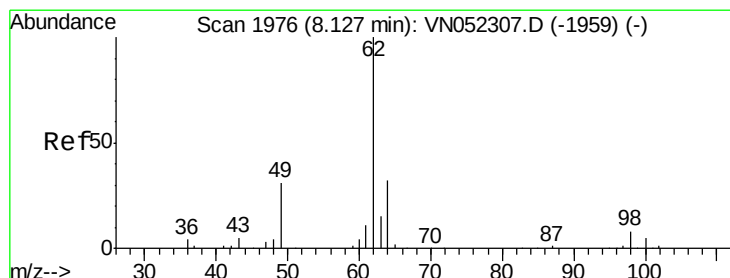
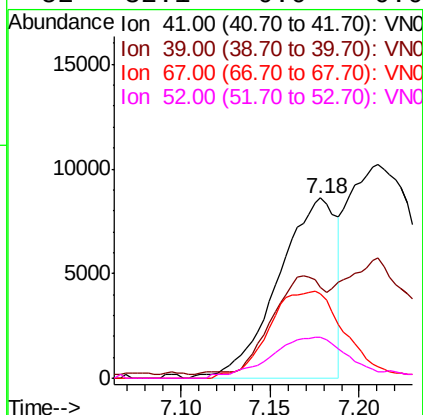
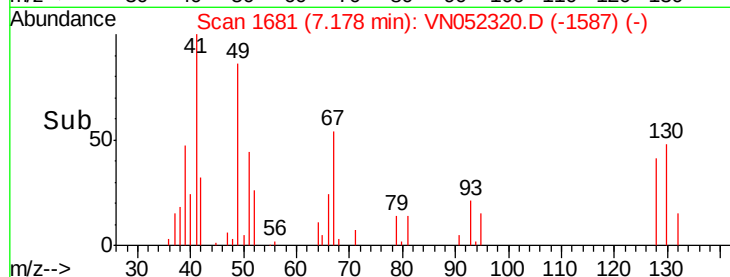
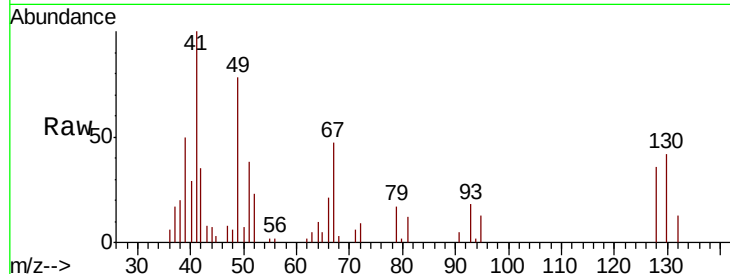




#41
Methacrylonitrile
Concen: 13.722 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

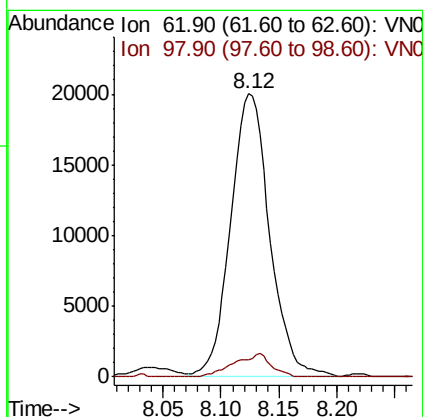
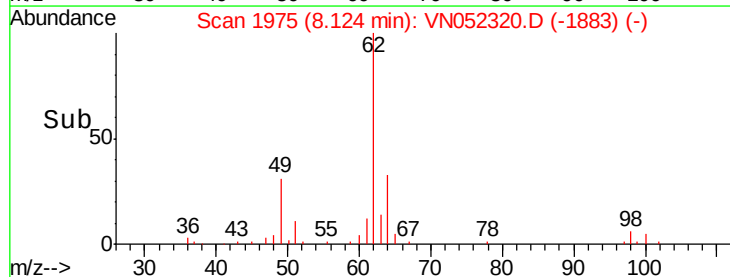
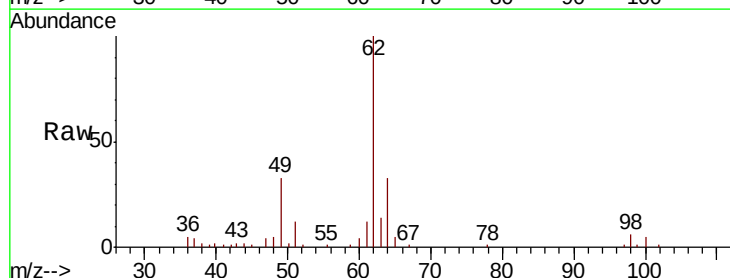
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

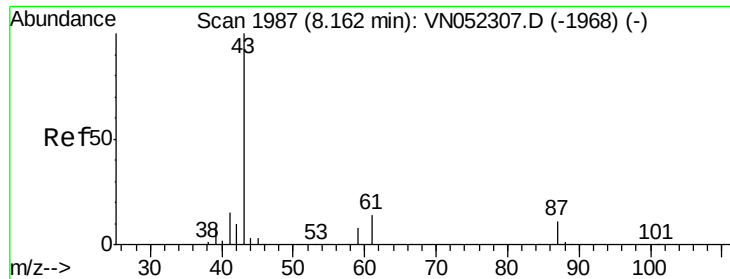
Tot Ion: 41 Resp: 19488
Ion Ratio Lower Upper
41 100
39 46.4 0.0 0.0#
67 63.6 0.0 0.0#
52 32.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 10.296 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 62 Resp: 46837
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.6





#43

Isopropyl Acetate

Concen: 9.735 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

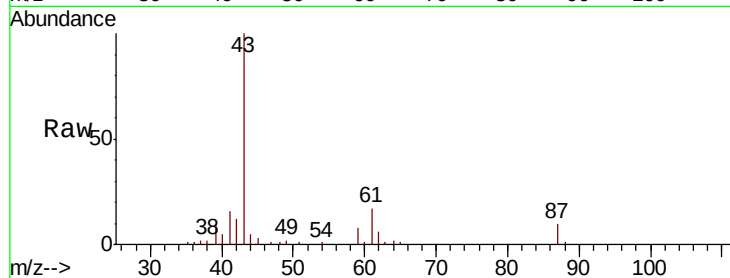
Tot Ion: 43 Resp: 60879

Ion Ratio Lower Upper

43 100

61 17.7 12.0 18.0

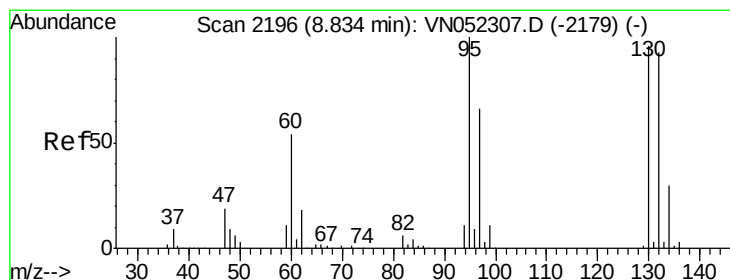
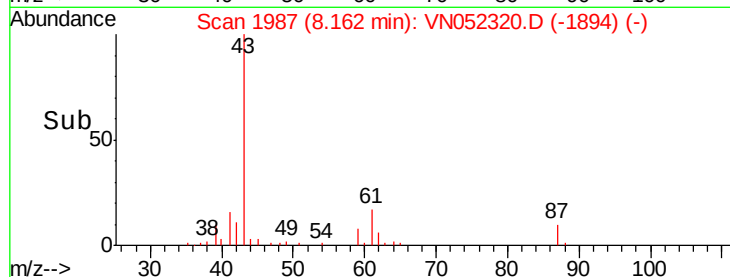
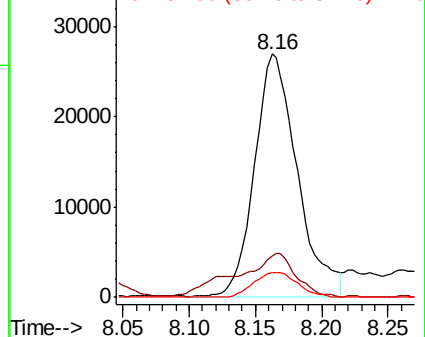
87 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052320.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN052320.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN052320.D (-2103) (-)



#44

Trichloroethene

Concen: 10.151 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052320.D

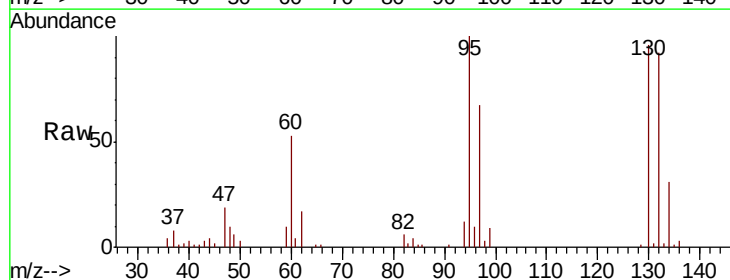
Acq: 14 Nov 2018 18:28

Tgt Ion:130 Resp: 31897

Ion Ratio Lower Upper

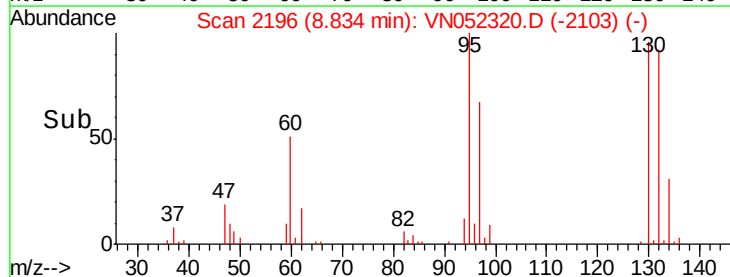
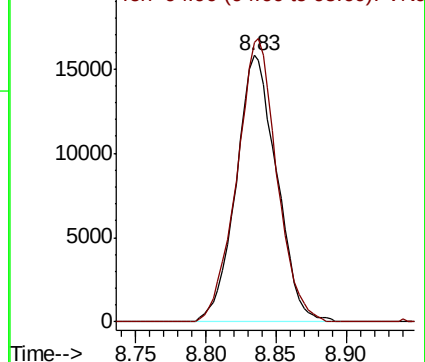
130 100

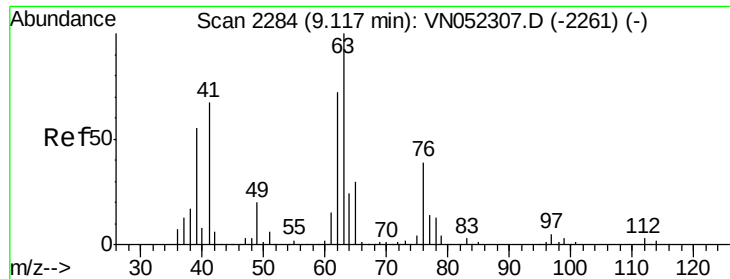
95 104.7 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052320.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN052320.D (-2103) (-)

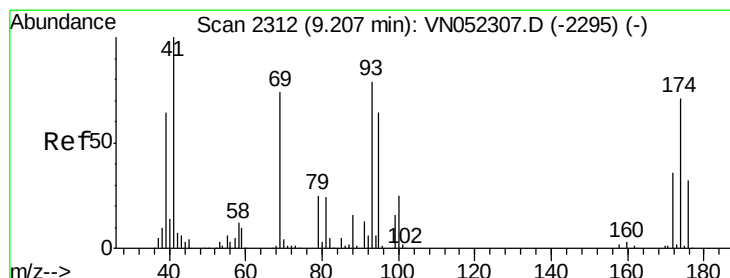
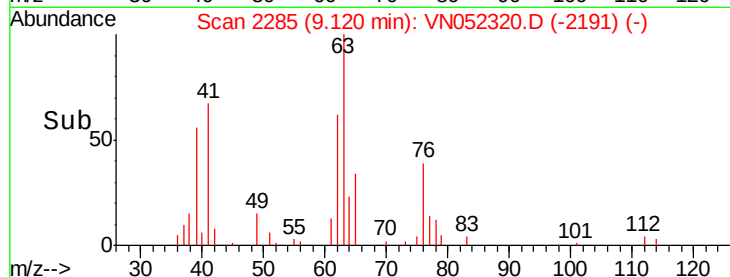
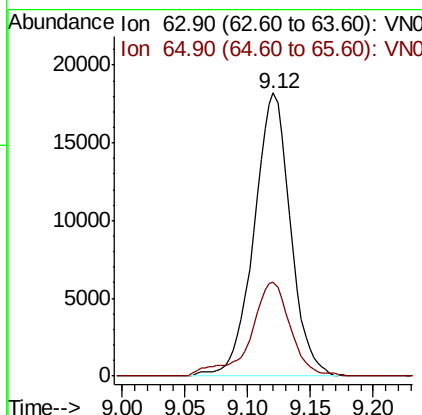
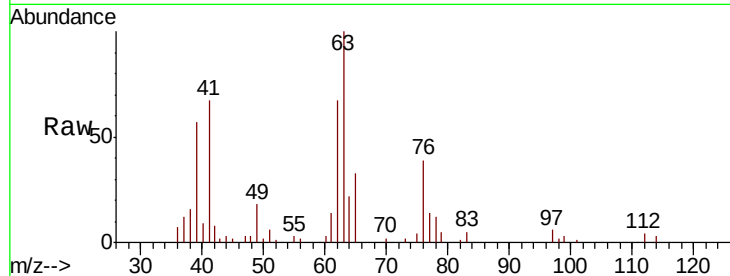




#45
 1,2-Dichloropropane
 Concen: 10.188 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

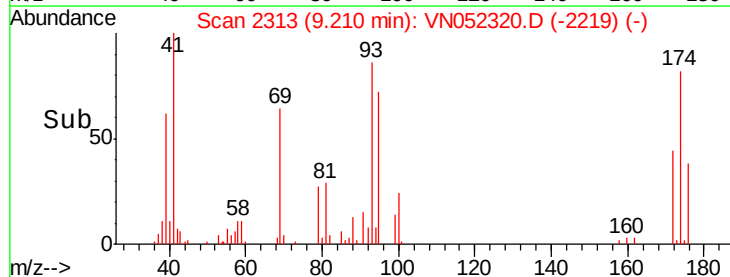
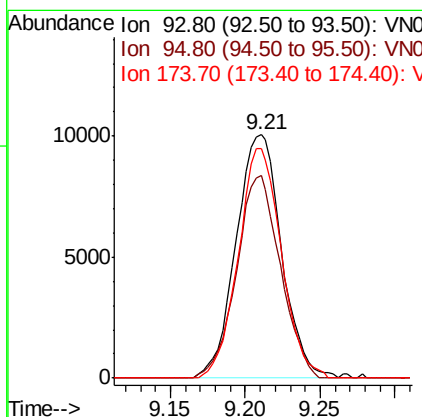
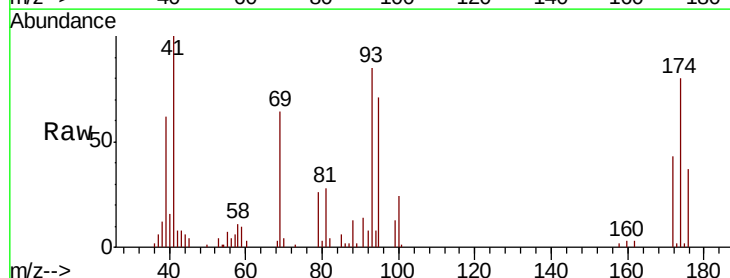
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

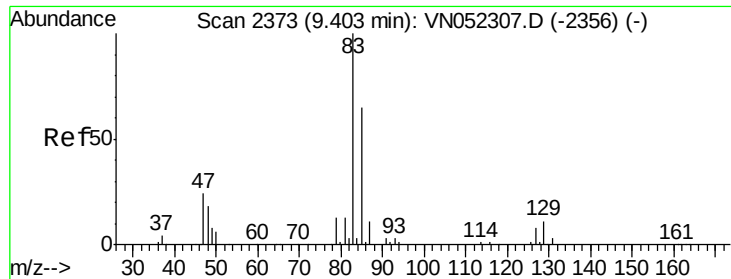
Tot Ion: 63 Resp: 36884
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.2 36.4



#46
 Dibromomethane
 Concen: 10.124 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion: 93 Resp: 21219
 Ion Ratio Lower Upper
 93 100
 95 80.5 64.2 96.2
 174 89.5 70.9 106.3





#47

Bromodichloromethane

Concen: 10.211 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

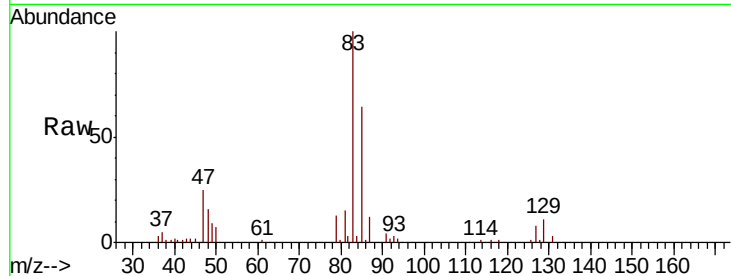
Tot Ion: 83 Resp: 43917

Ion Ratio Lower Upper

83 100

85 63.8 52.2 78.4

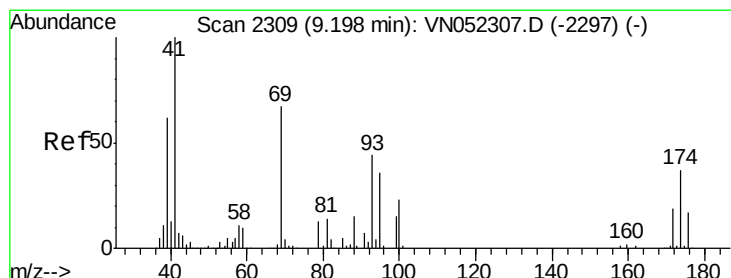
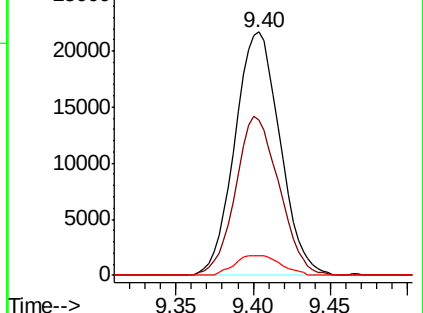
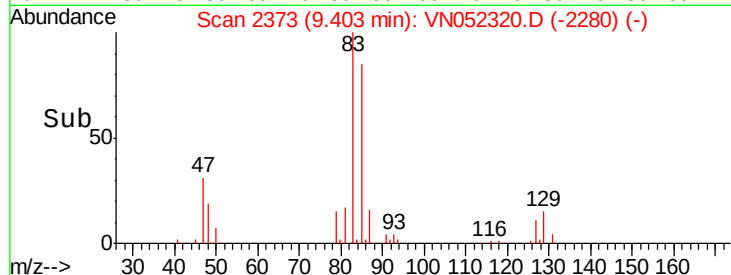
127 7.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052320.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052320.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052320.D (-2280) (-)



#48

Methyl methacrylate

Concen: 9.712 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

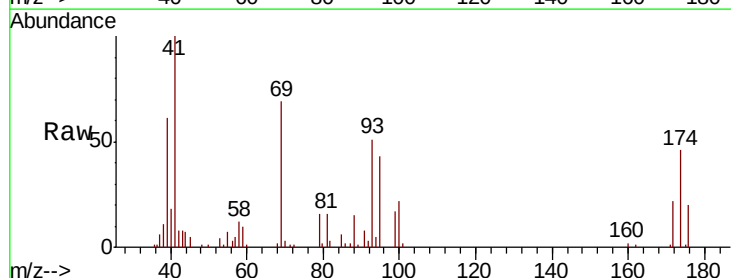
Tgt Ion: 41 Resp: 30818

Ion Ratio Lower Upper

41 100

69 70.3 57.1 85.7

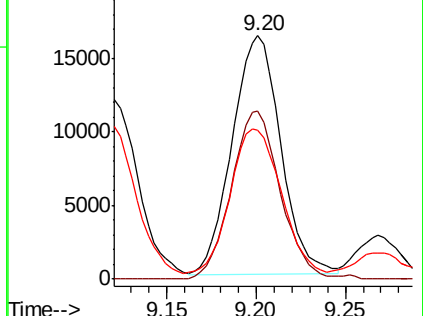
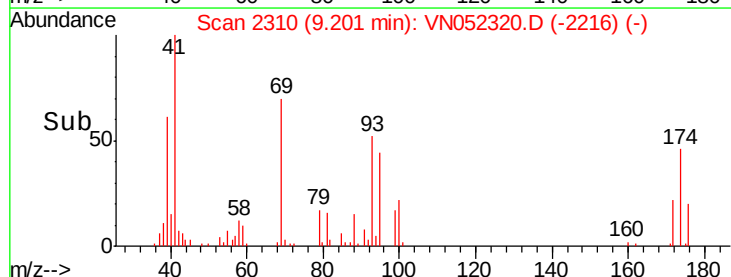
39 66.5 52.5 78.7

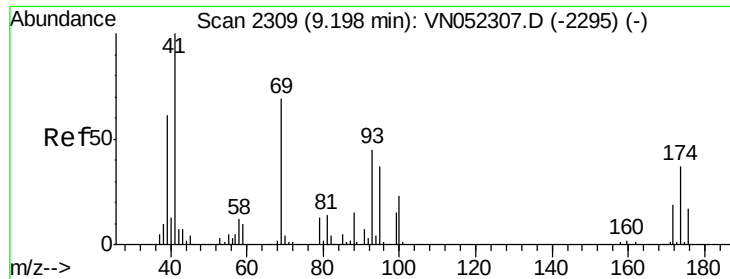


Abundance Ion 41.00 (40.70 to 41.70): VN052320.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052320.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052320.D (-2216) (-)





#49

1,4-Dioxane

Concen: 199.269 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

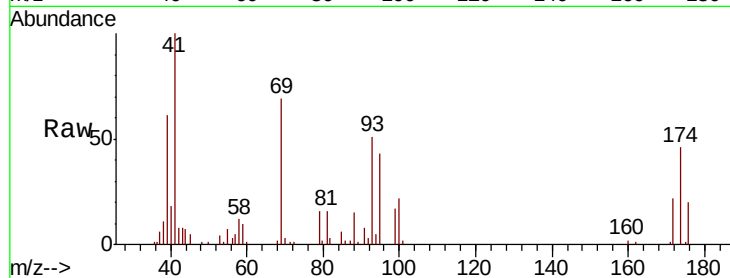
Tot Ion: 88 Resp: 4854

Ion Ratio Lower Upper

88 100

43 41.5 33.3 49.9

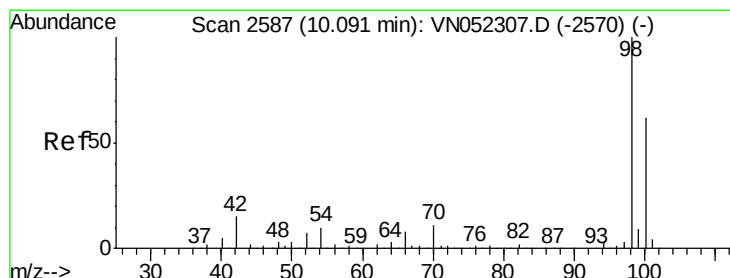
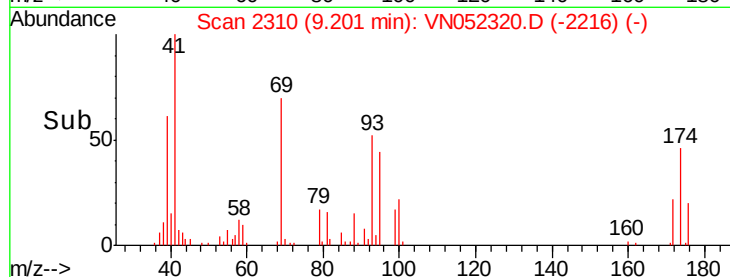
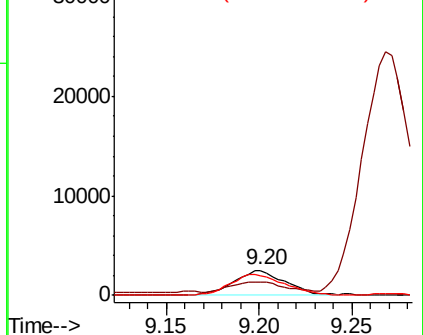
58 88.0 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN052320.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN052320.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052320.D (-2216) (-)



#50

Toluene-d8

Concen: 199.269 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052320.D

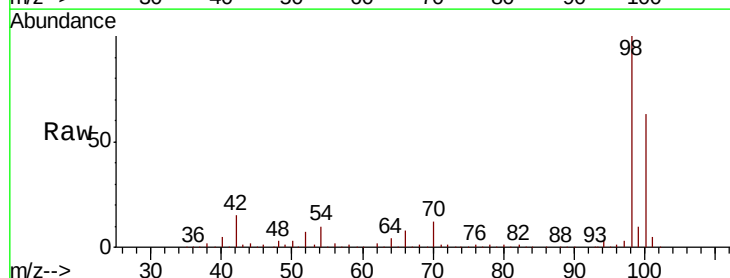
Acq: 14 Nov 2018 18:28

Tgt Ion: 98 Resp: 558006

Ion Ratio Lower Upper

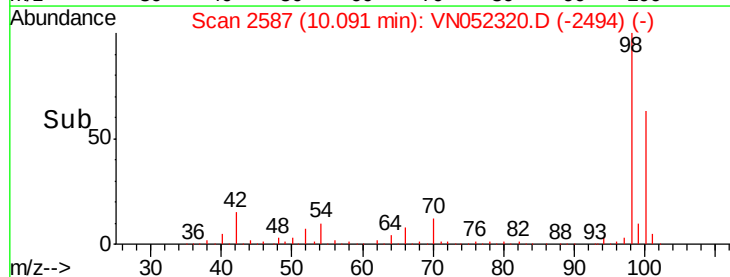
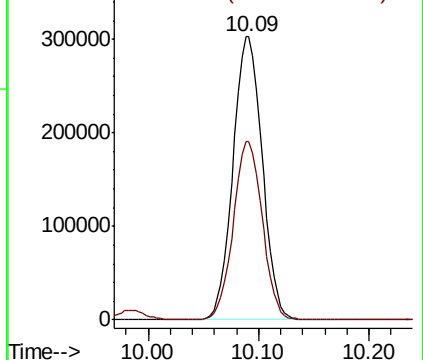
98 100

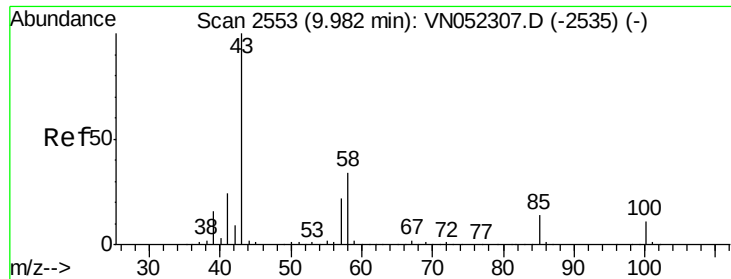
100 62.4 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052320.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052320.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 51.686 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

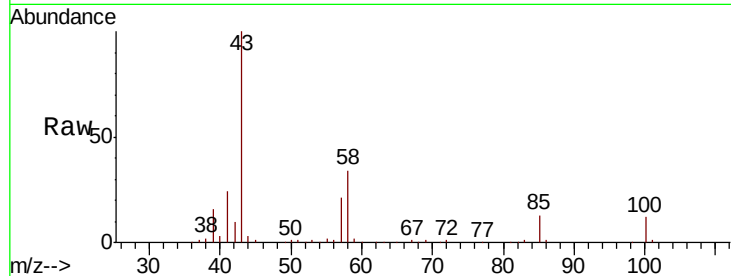
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 162702

Ion Ratio Lower Upper

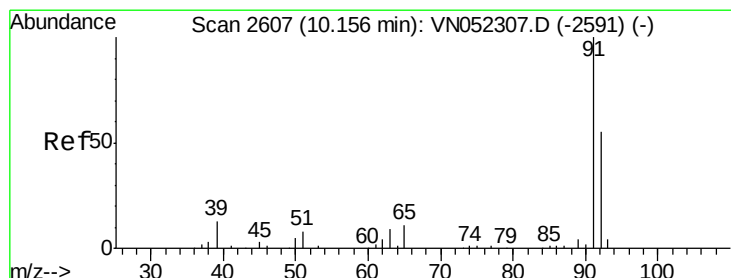
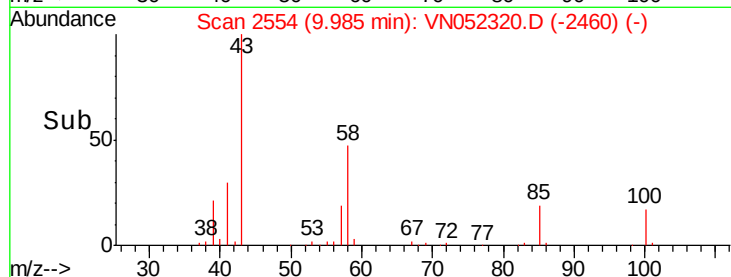
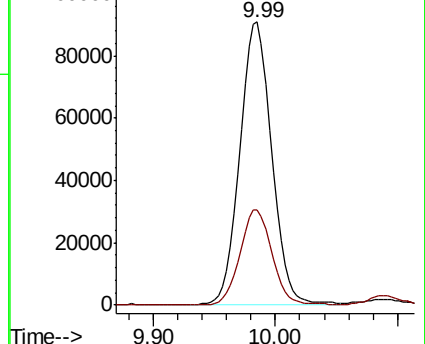
43 100

58 33.8 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 10.234 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052320.D

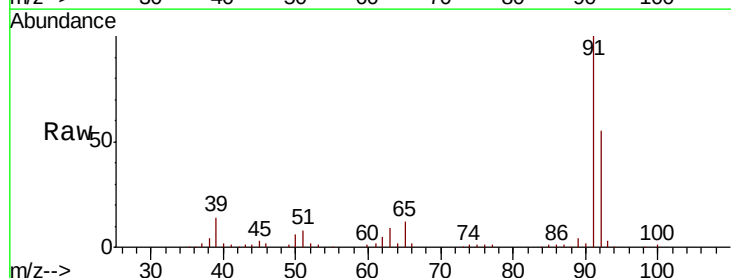
Acq: 14 Nov 2018 18:28

Tgt Ion: 92 Resp: 78097

Ion Ratio Lower Upper

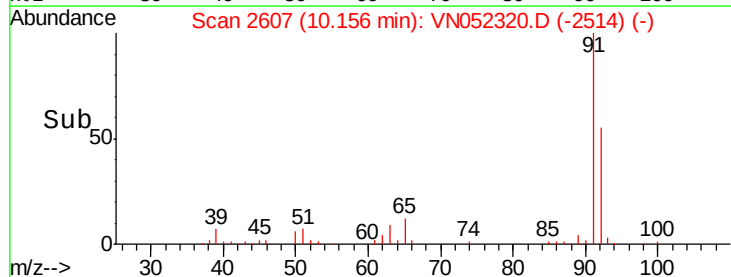
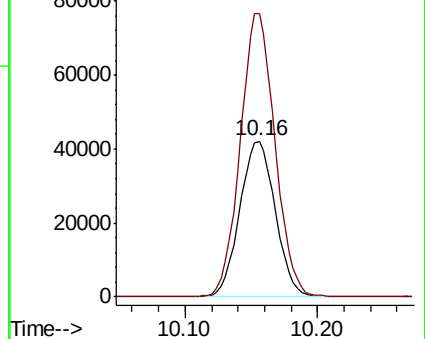
92 100

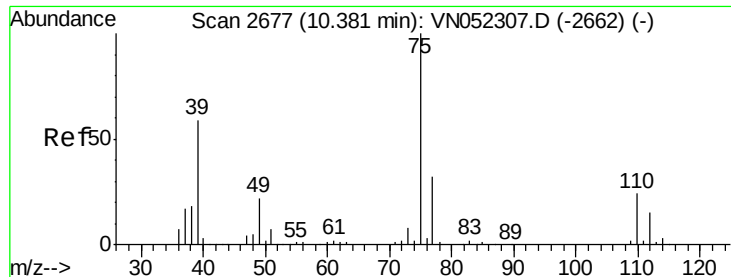
91 178.1 143.6 215.4



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: 9.634 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

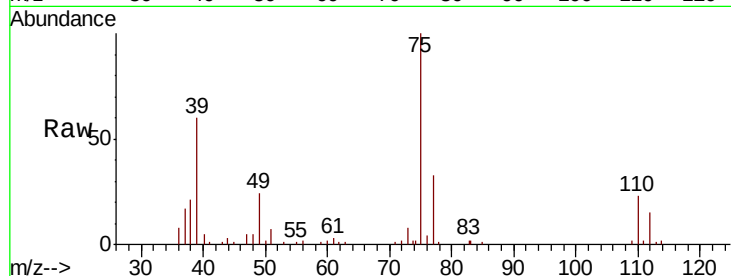
LOQ-WATER-02-QT4-2018

Tot Ion: 75 Resp: 41788

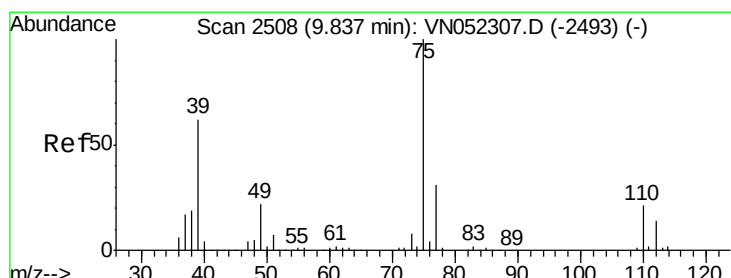
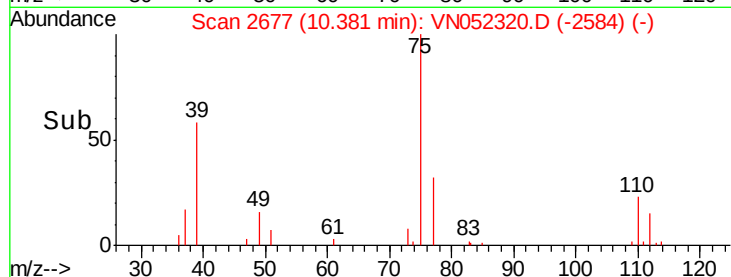
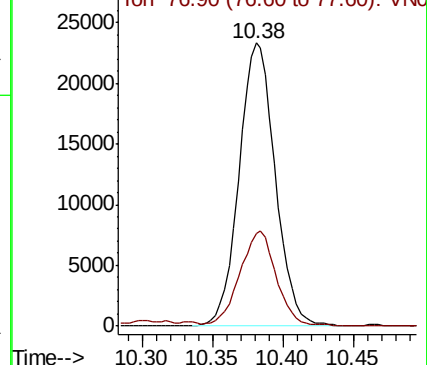
Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN052320.D (-2584) (-)



#54

cis-1,3-Dichloropropene

Concen: 9.640 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

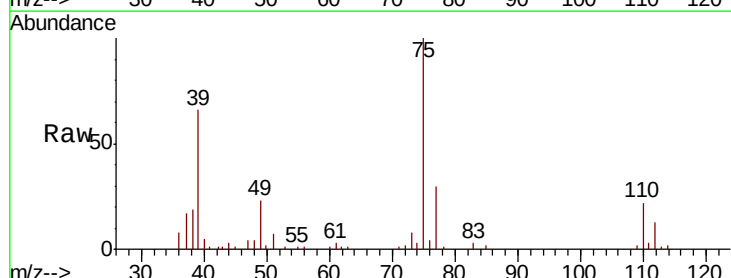
Tgt Ion: 75 Resp: 47667

Ion Ratio Lower Upper

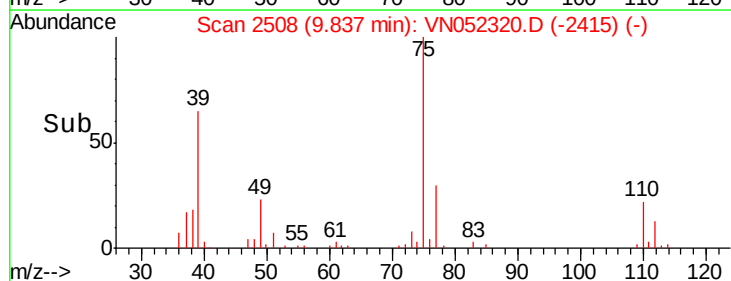
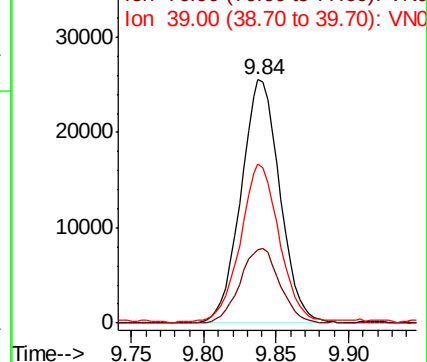
75 100

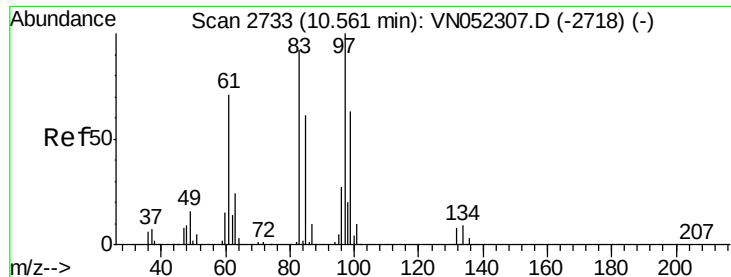
77 30.2 24.6 36.8

39 64.7 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN052320.D (-2415) (-)



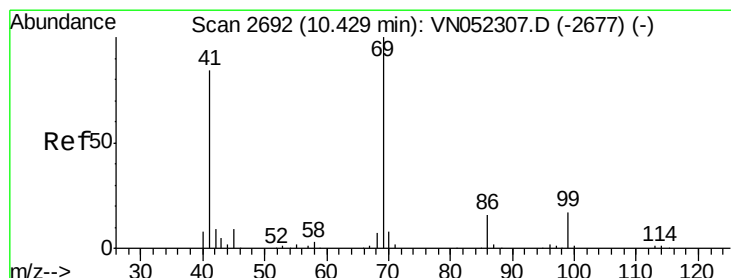
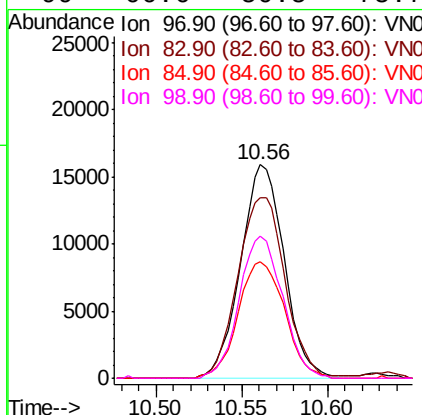
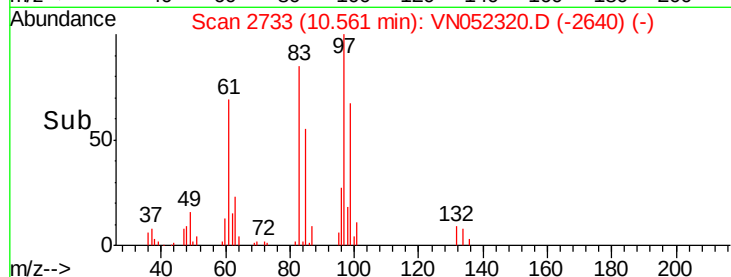
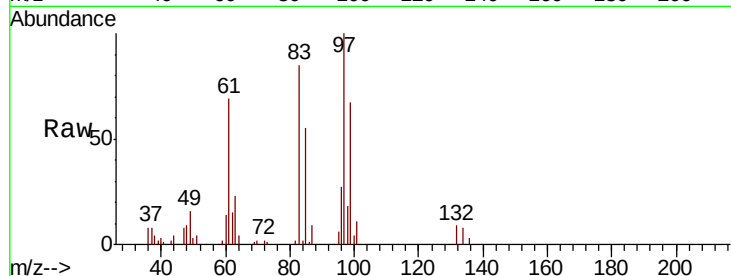


#55
 1,1,2-Trichloroethane
 Concen: 10.108 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion: 97 Resp: 27963

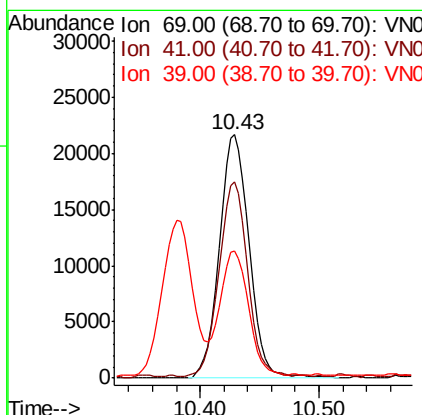
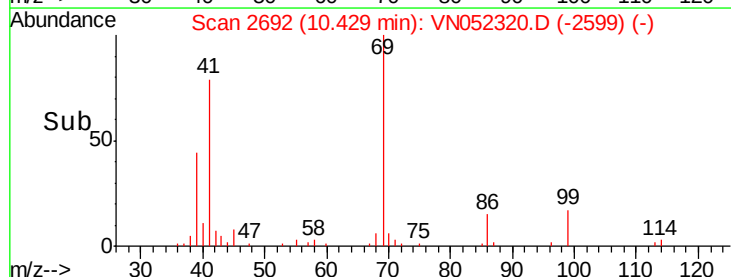
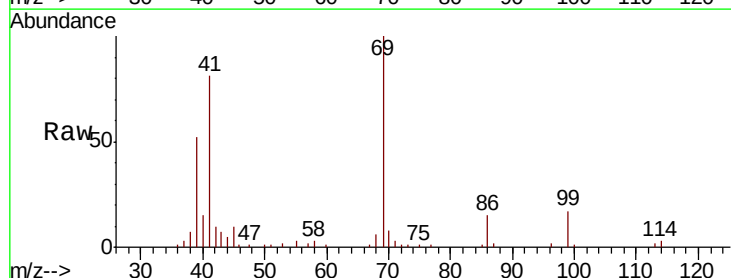
Ion	Ratio	Lower	Upper
97	100		
83	84.6	73.8	110.6
85	54.6	49.0	73.4
99	66.6	50.5	75.7

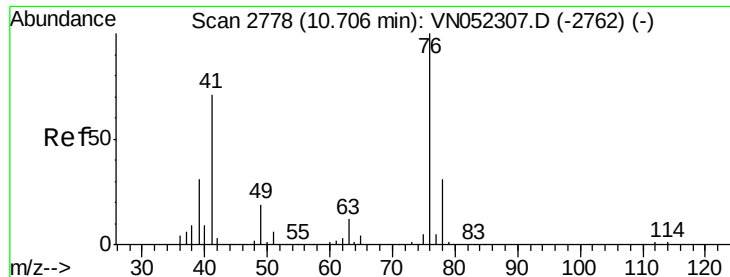


#56
 Ethyl methacrylate
 Concen: 10.312 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion: 69 Resp: 37519

Ion	Ratio	Lower	Upper
69	100		
41	76.2	64.8	97.2
39	48.4	41.0	61.6





#57

1,3-Dichloropropane

Concen: 10.485 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

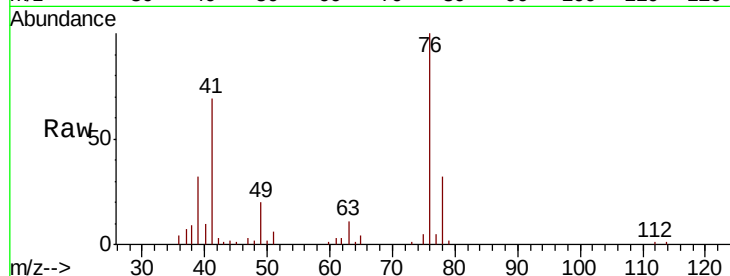
LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 51380

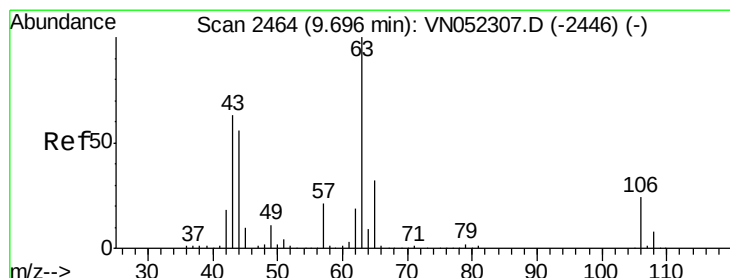
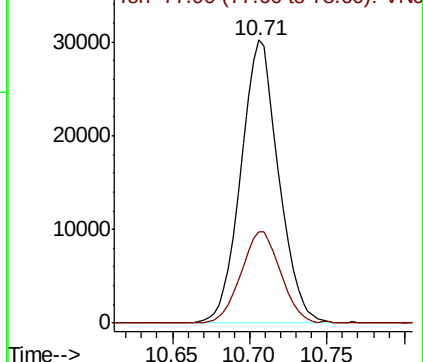
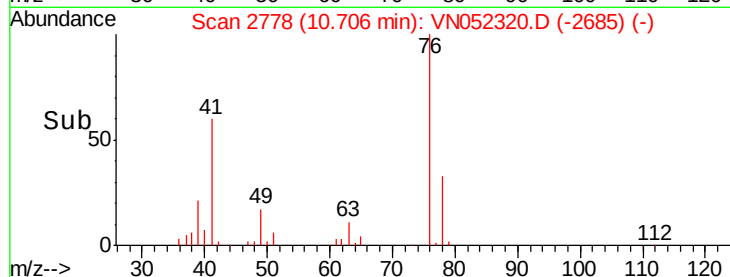
Ion Ratio Lower Upper

76 100

78 33.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN052320.D (-2685) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 49.923 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052320.D

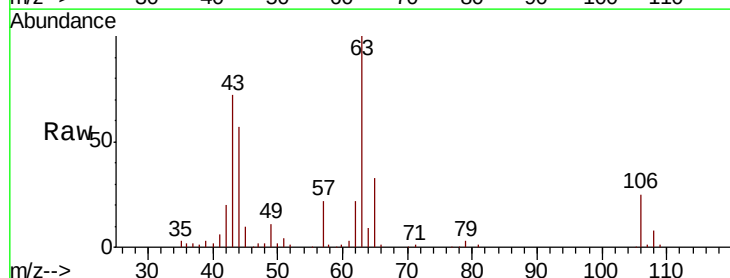
Acq: 14 Nov 2018 18:28

Tgt Ion: 63 Resp: 103408

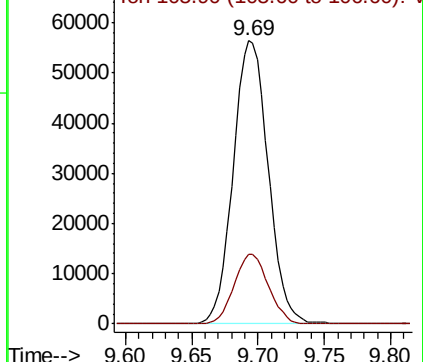
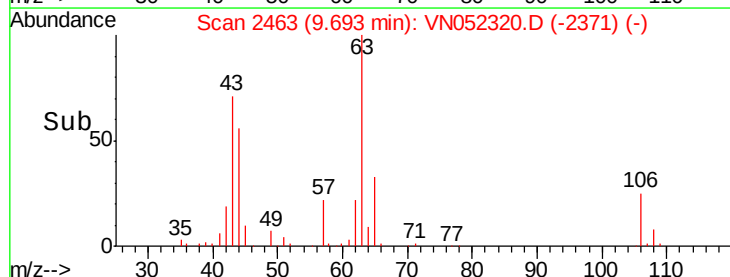
Ion Ratio Lower Upper

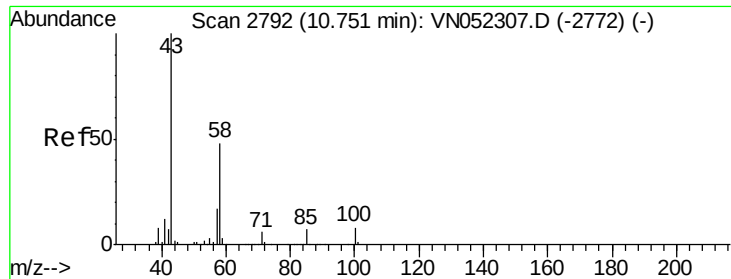
63 100

106 24.2 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN052320.D (-2371) (-)

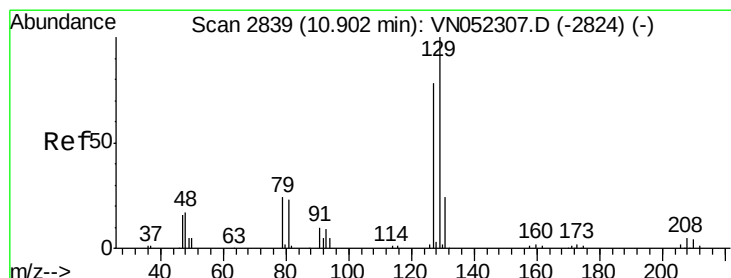
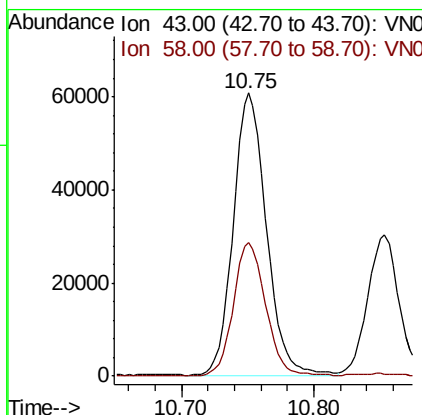
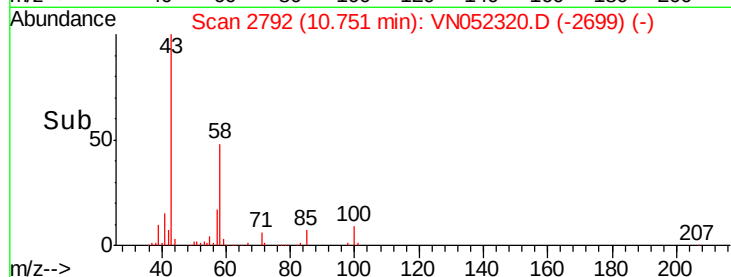
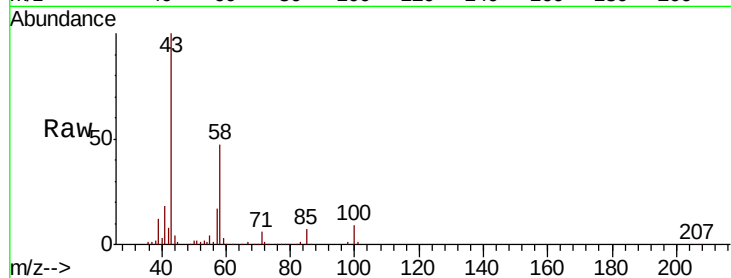




#59
2-Hexanone
Concen: 48.318 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

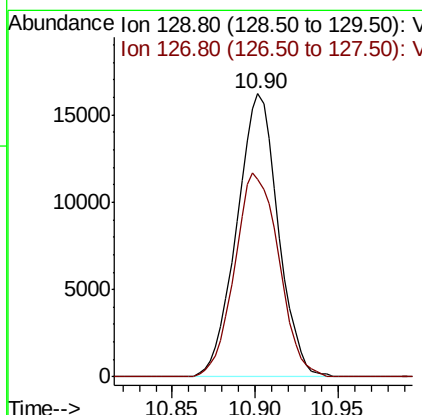
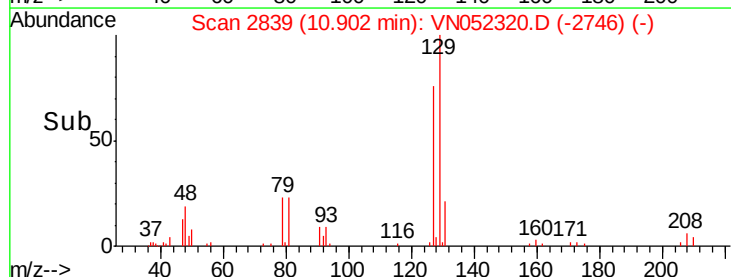
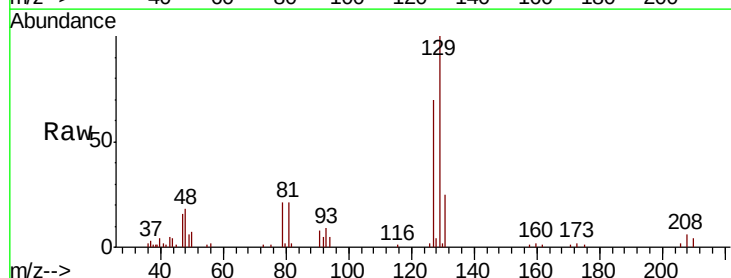
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

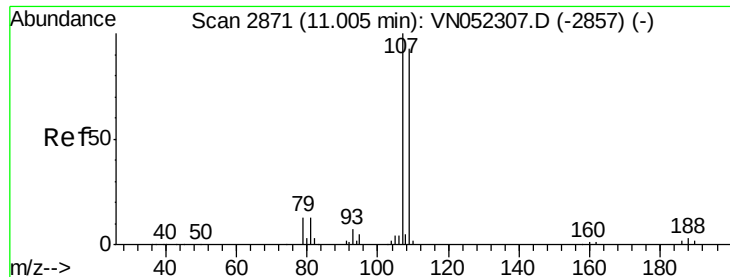
Tot Ion: 43 Resp: 104619
Ion Ratio Lower Upper
43 100
58 46.6 23.5 70.6



#60
Dibromochloromethane
Concen: 9.391 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 129 Resp: 28108
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.209 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

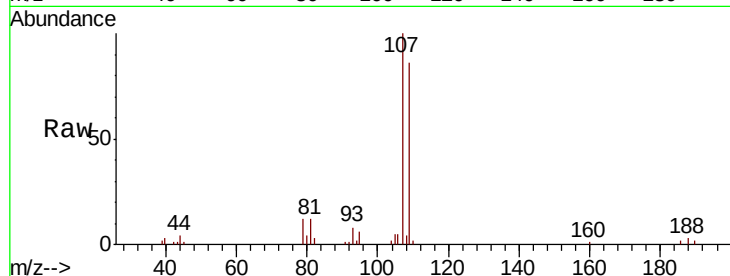
LOQ-WATER-02-QT4-2018

Tot Ion: 107 Resp: 28133

Ion Ratio Lower Upper

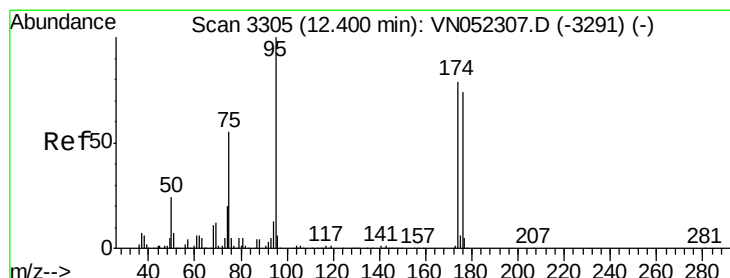
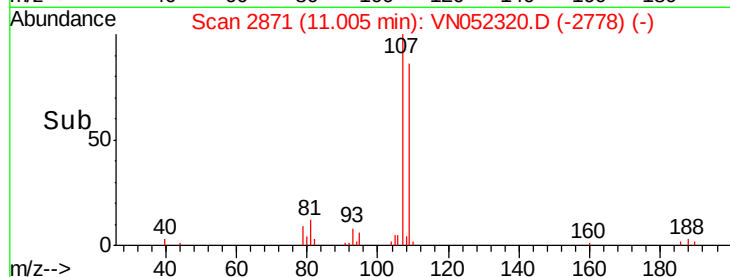
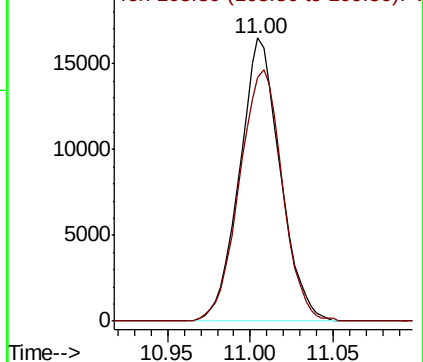
107 100

109 93.9 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.209 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

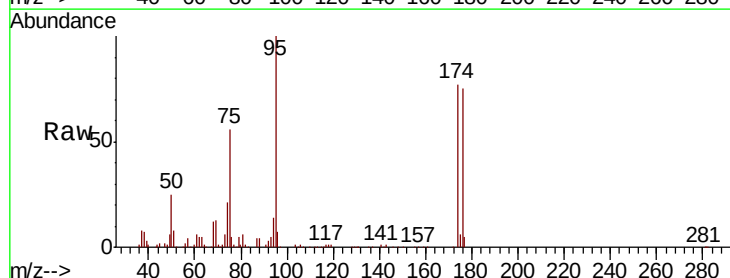
Tgt Ion: 95 Resp: 176326

Ion Ratio Lower Upper

95 100

174 77.5 0.0 156.0

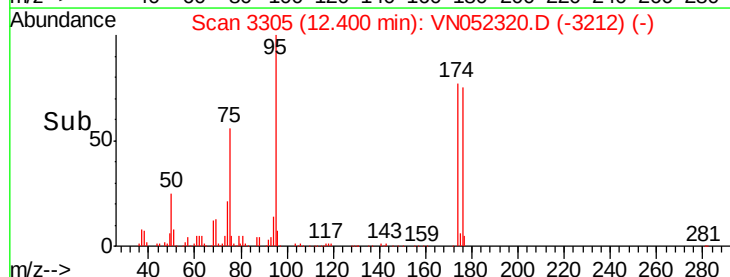
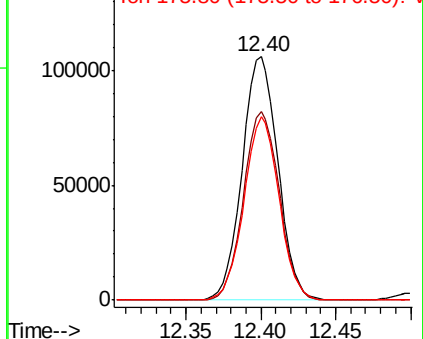
176 74.0 0.0 148.4

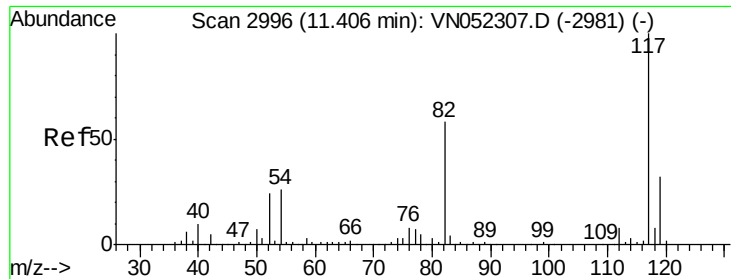


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

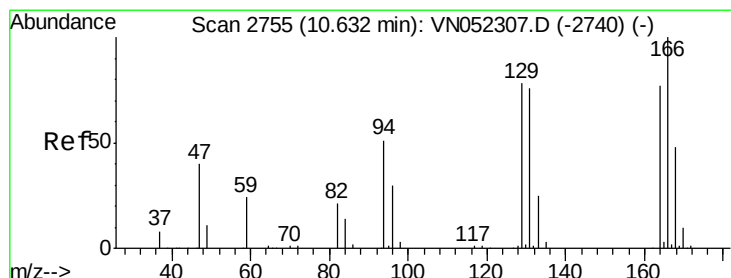
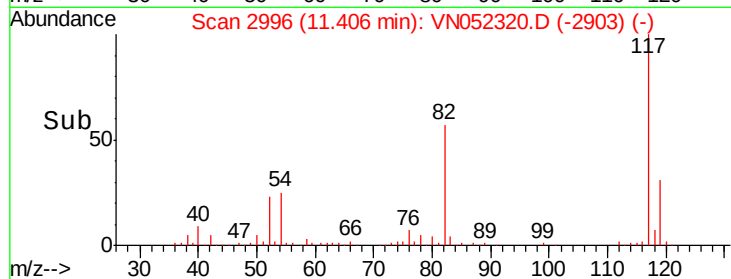
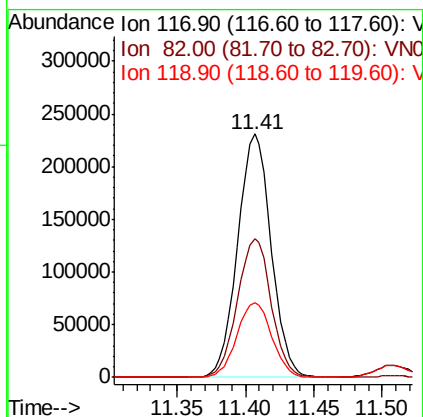
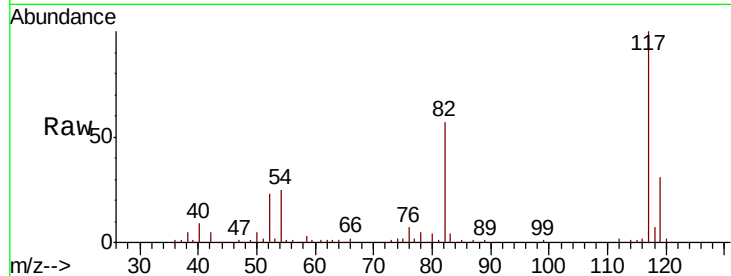




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

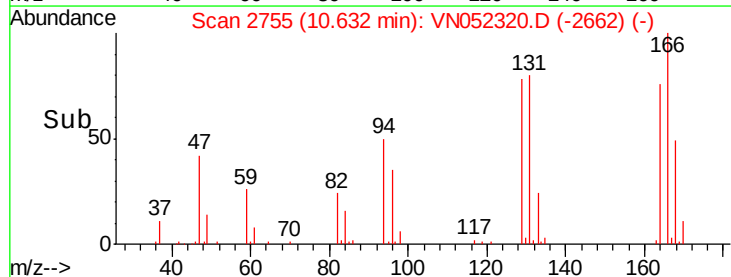
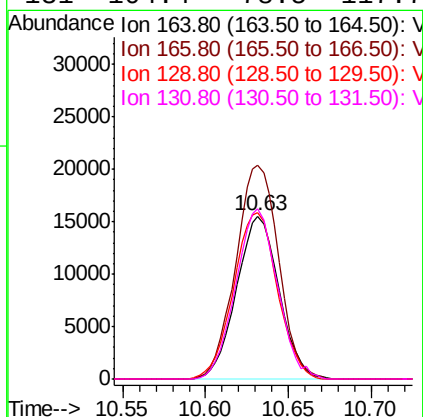
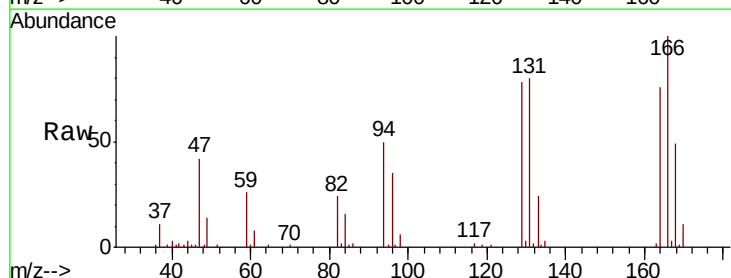
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

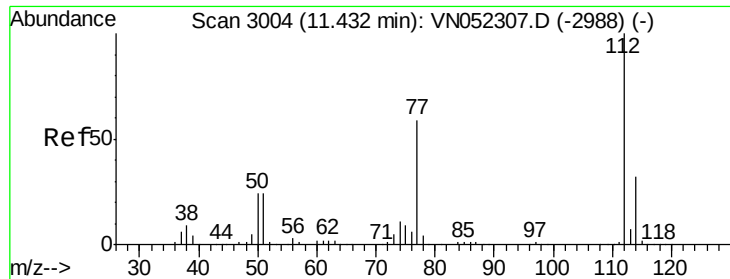
Tot Ion:117 Resp: 393300
Ion Ratio Lower Upper
117 100
82 57.1 46.5 69.7
119 30.7 25.7 38.5



#64
Tetrachloroethene
Concen: 9.888 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion:164 Resp: 27647
Ion Ratio Lower Upper
164 100
166 130.9 103.8 155.6
129 101.8 80.7 121.1
131 104.4 78.5 117.7

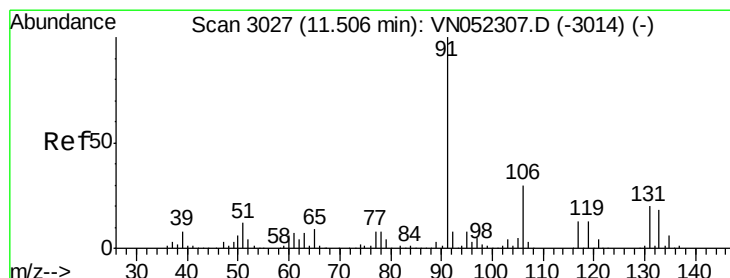
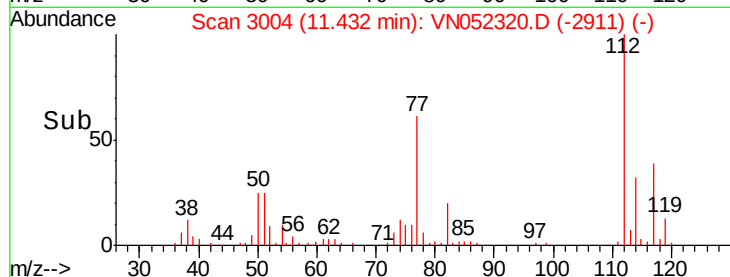
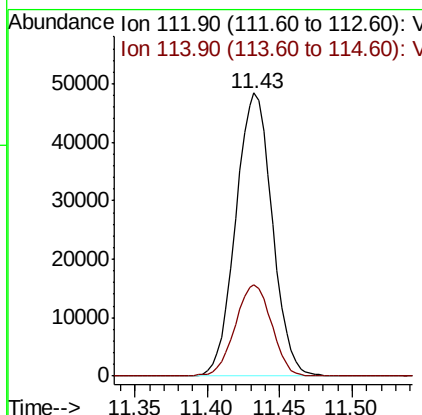
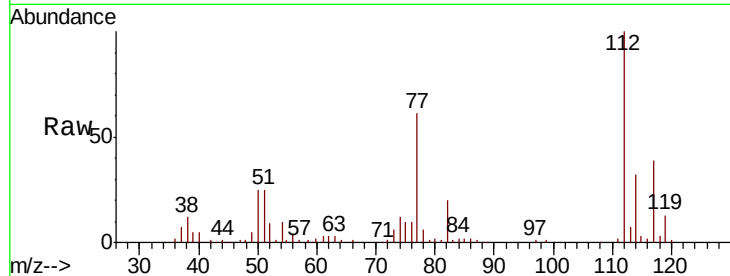




#65
Chlorobenzene
Concen: 10.191 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

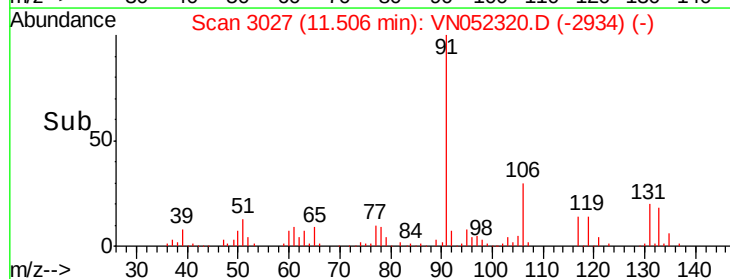
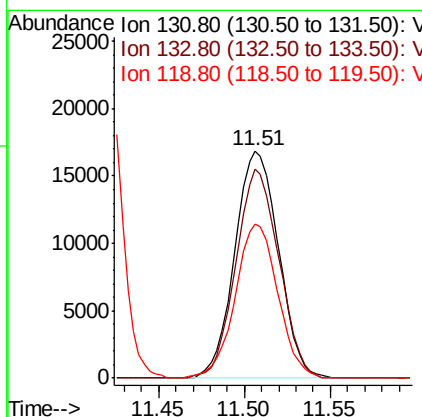
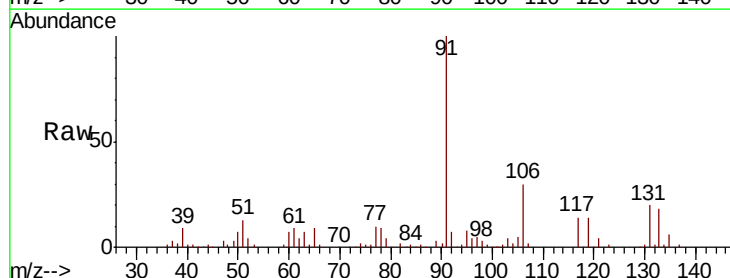
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

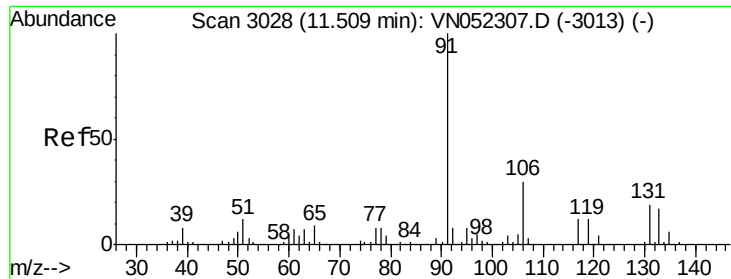
Tot Ion:112 Resp: 84724
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 10.542 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion:131 Resp: 29885
Ion Ratio Lower Upper
131 100
133 90.3 47.4 142.3
119 66.0 33.3 99.9

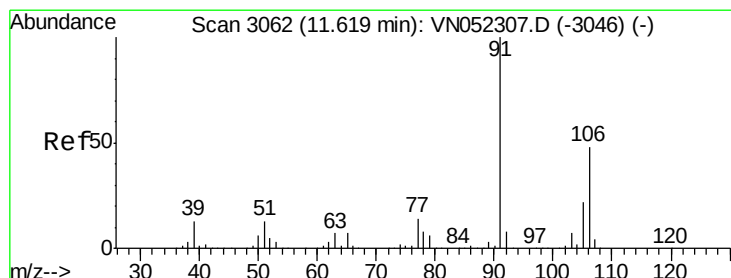
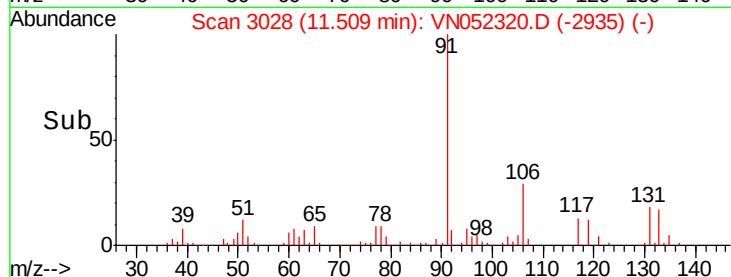
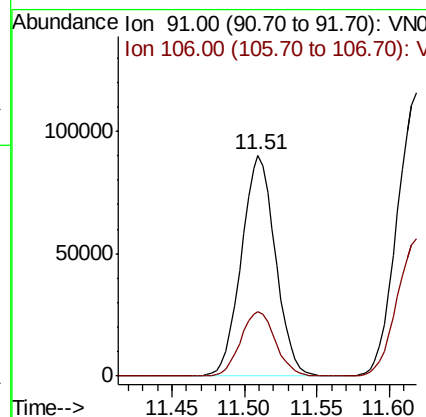
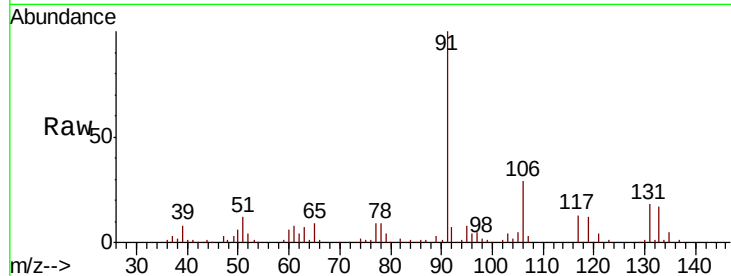




#67
Ethyl Benzene
Concen: 10.181 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

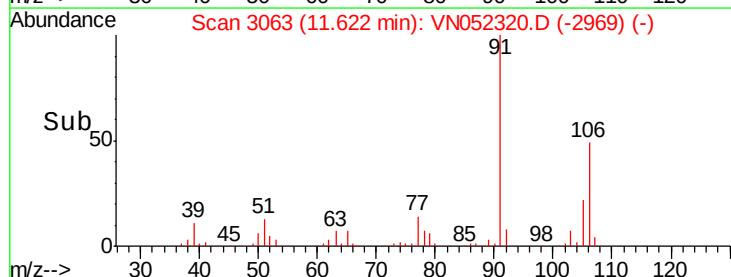
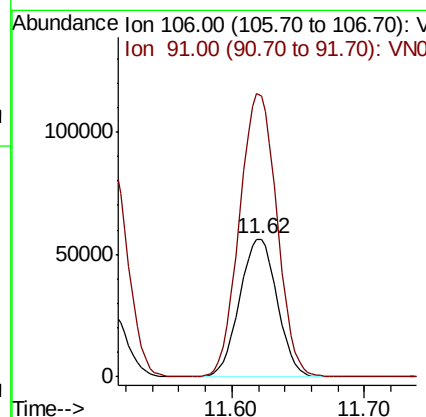
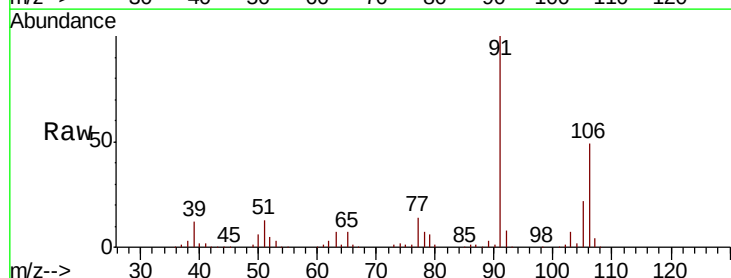
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

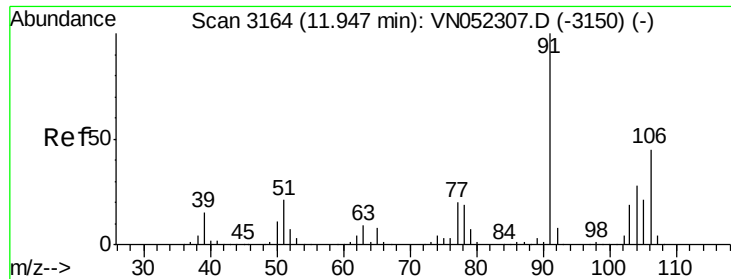
Tot Ion: 91 Resp: 146907
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.2



#68
m/p-Xylenes
Concen: 20.970 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 106 Resp: 110552
Ion Ratio Lower Upper
106 100
91 204.7 165.5 248.3

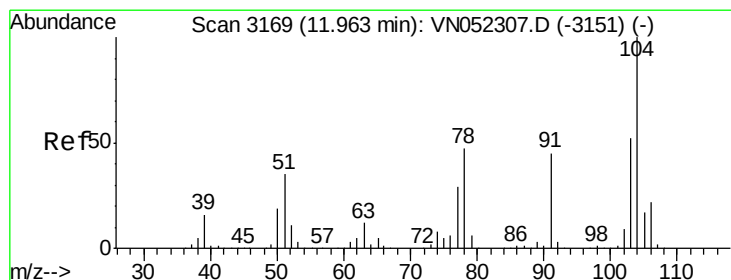
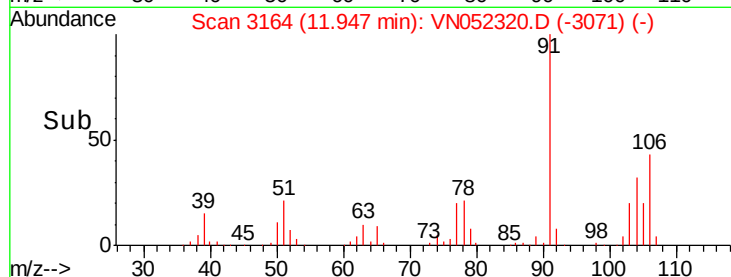
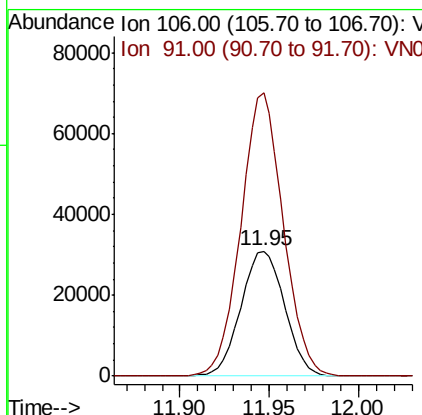
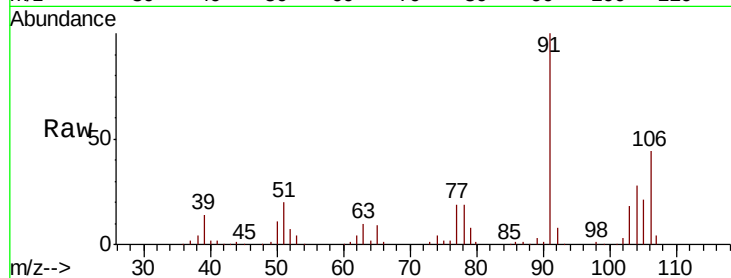




#69
o-Xylene
Concen: 10.489 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

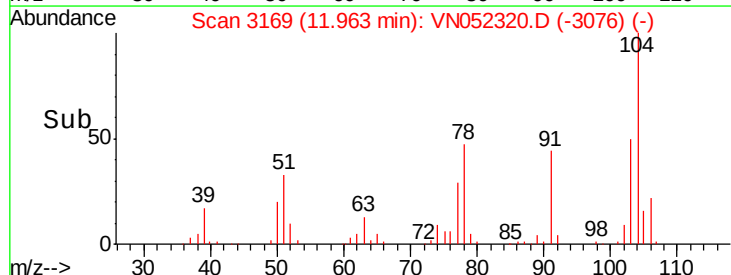
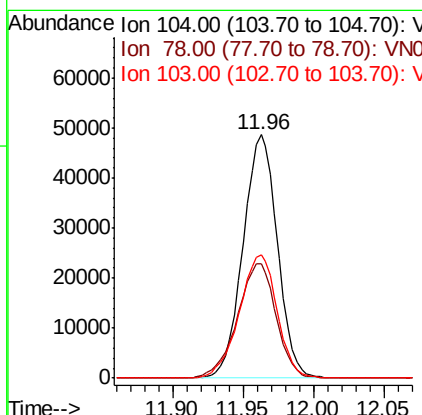
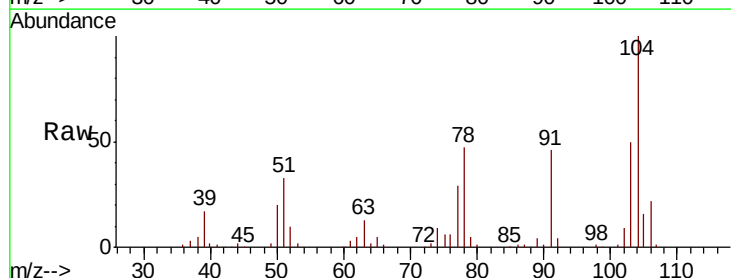
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

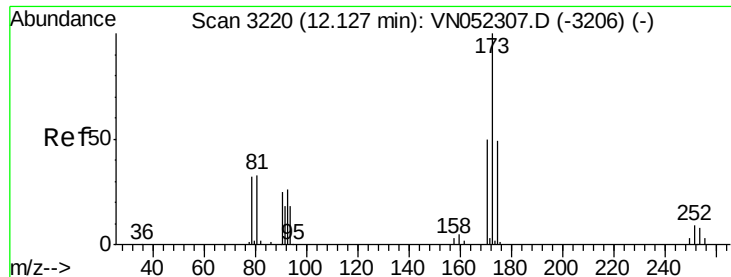
Tot Ion:106 Resp: 53009
Ion Ratio Lower Upper
106 100
91 219.4 110.0 330.0



#70
Styrene
Concen: 10.271 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion:104 Resp: 83108
Ion Ratio Lower Upper
104 100
78 52.9 42.7 64.1
103 55.6 45.4 68.0

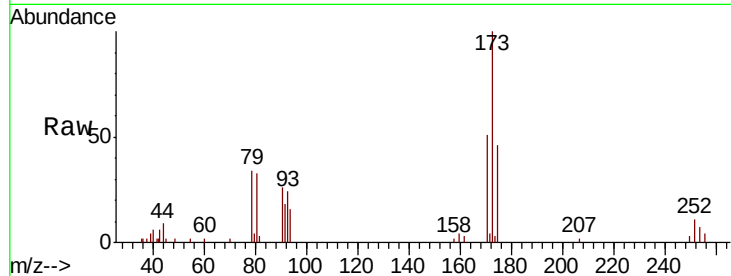




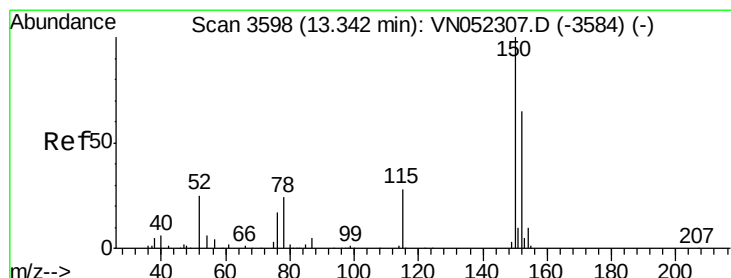
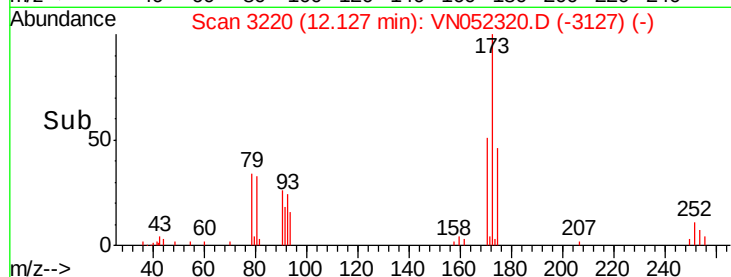
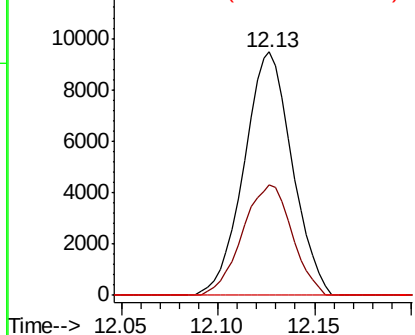
#71
Bromoform
Concen: 9.793 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion:173 Resp: 16392
Ion Ratio Lower Upper
173 100
175 46.6 25.0 75.0
254 0.0 0.0 0.0

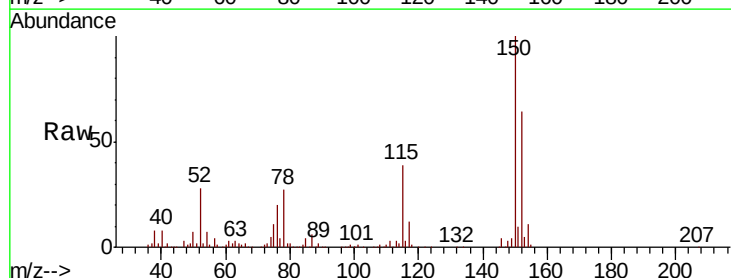


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

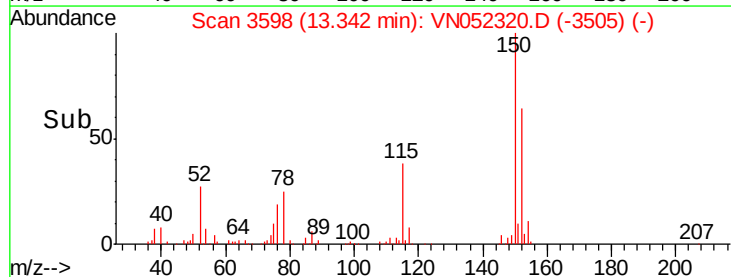
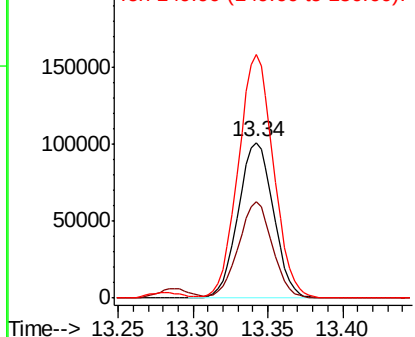


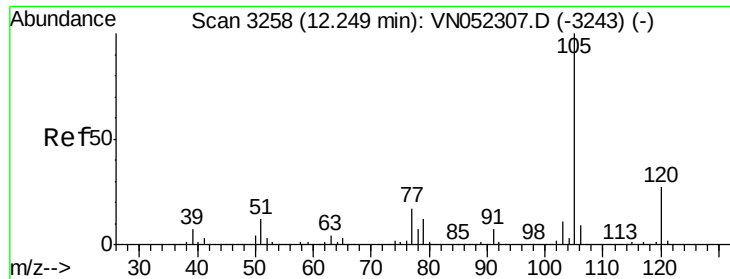
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion:152 Resp: 165410
Ion Ratio Lower Upper
152 100
115 59.6 30.3 91.0
150 156.9 0.0 348.2



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: 10.490 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

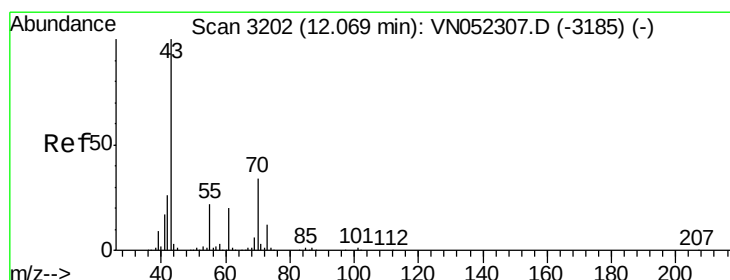
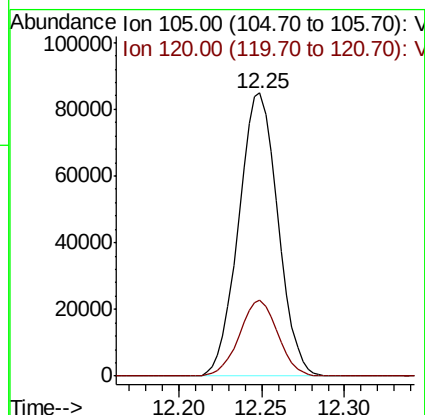
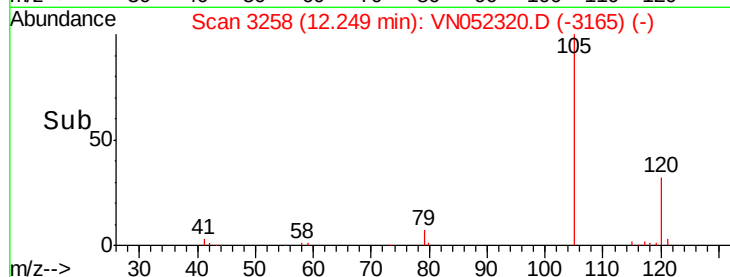
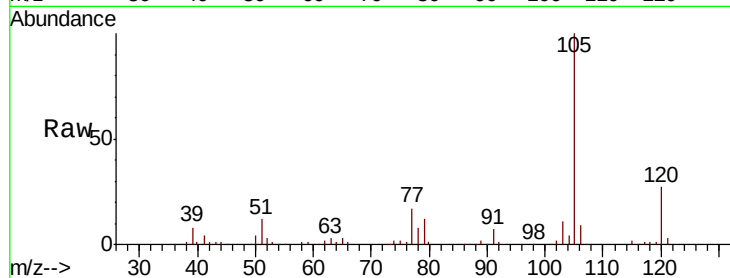
LOQ-WATER-02-QT4-2018

Tot Ion: 105 Resp: 139510

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1



#74

N-ethyl acetate

Concen: 10.058 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Tgt Ion: 43 Resp: 47644

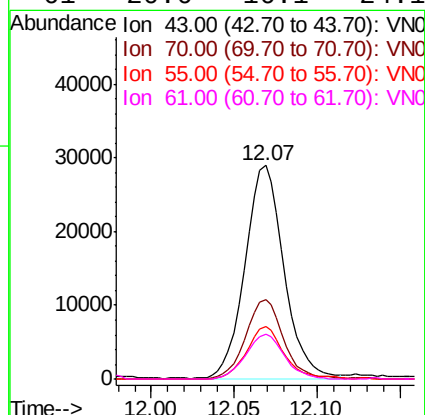
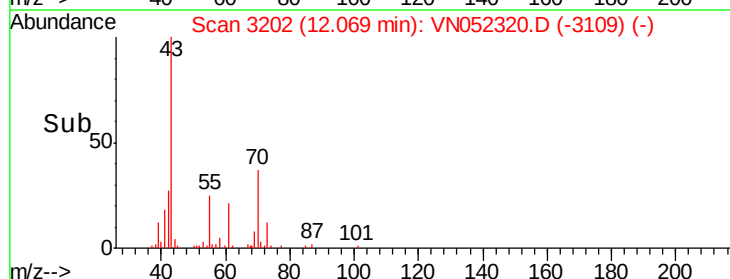
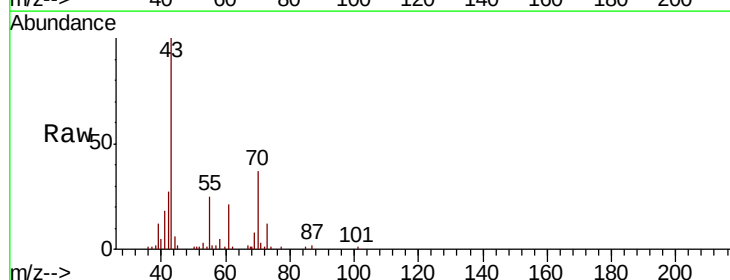
Ion Ratio Lower Upper

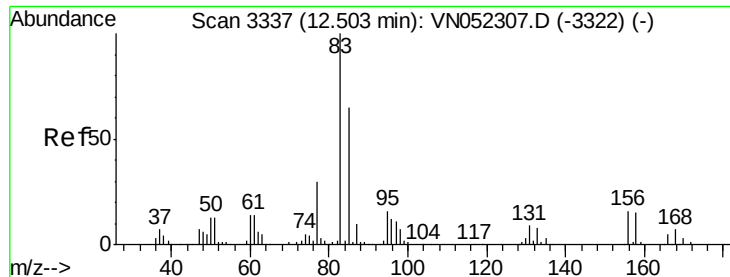
43 100

70 35.9 27.1 40.7

55 23.7 17.4 26.0

61 20.6 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 10.846 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

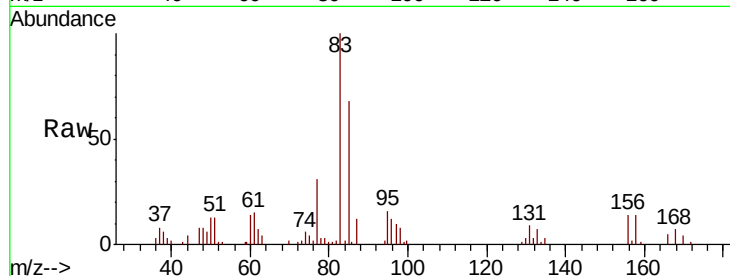
Tot Ion: 83 Resp: 34867

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

85 65.6 32.4 97.2



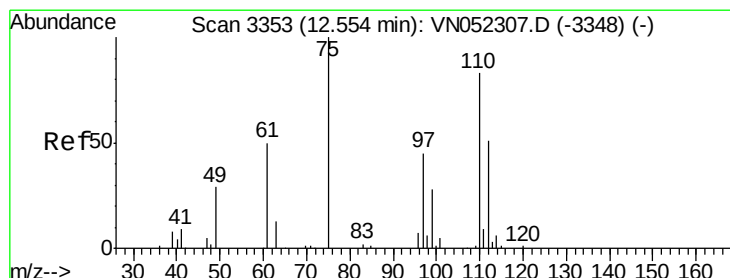
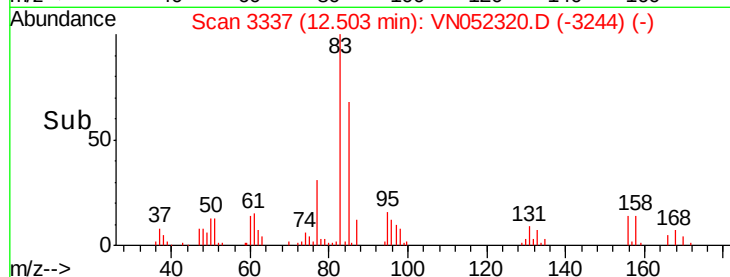
Abundance Ion 82.90 (82.60 to 83.60): VN052320.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052320.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052320.D (-3244) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 15.482 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052320.D

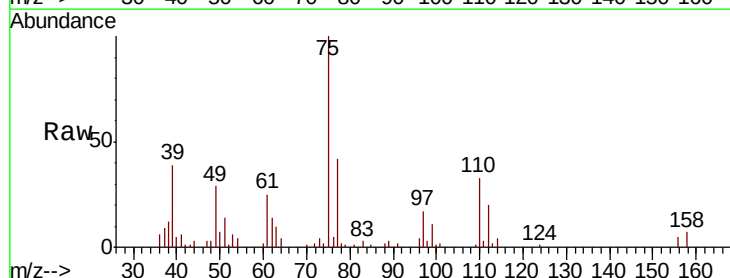
Acq: 14 Nov 2018 18:28

Tgt Ion: 75 Resp: 43453

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

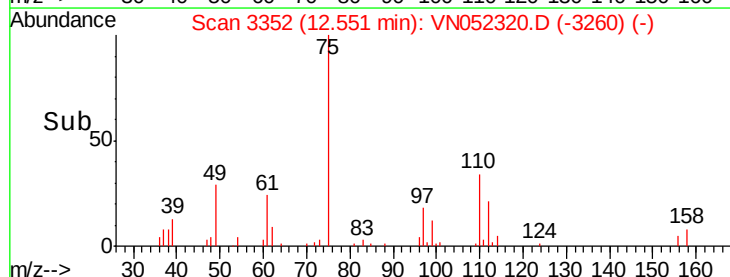


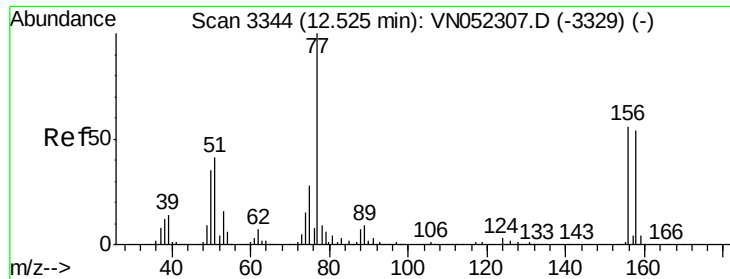
Abundance Ion 74.90 (74.60 to 75.60): VN052320.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052320.D (-3260) (-)

12.55

Time-->





#77

Bromobenzene

Concen: 10.362 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

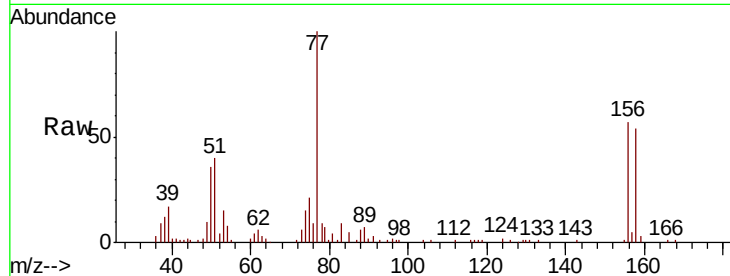
Tot Ion:156 Resp: 32064

Ion Ratio Lower Upper

156 100

77 211.9 103.6 310.9

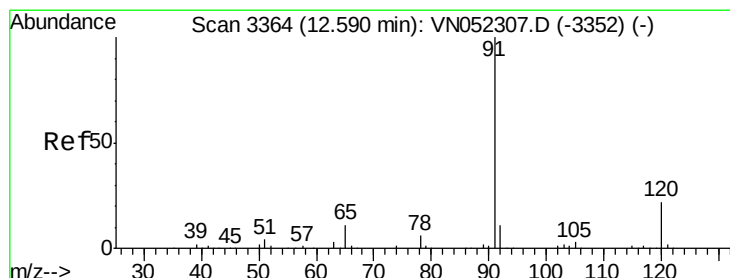
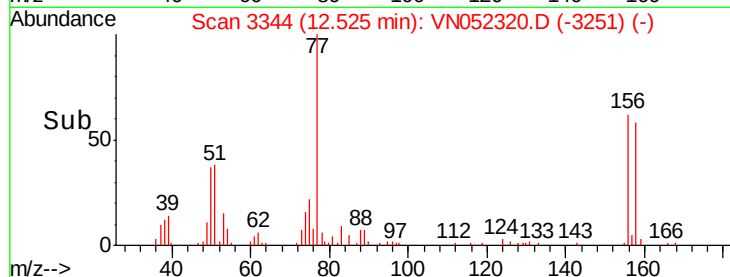
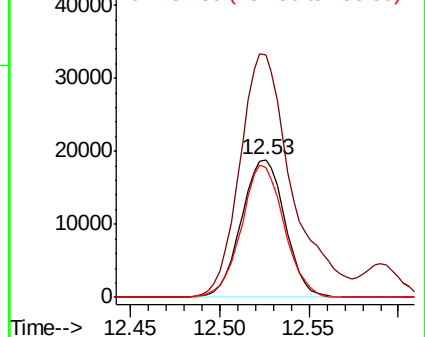
158 94.5 48.1 144.4



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: 10.368 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052320.D

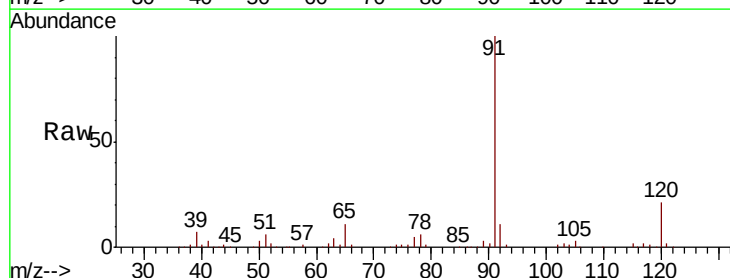
Acq: 14 Nov 2018 18:28

Tgt Ion: 91 Resp: 161250

Ion Ratio Lower Upper

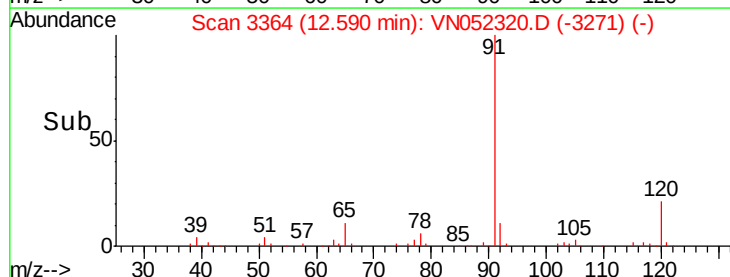
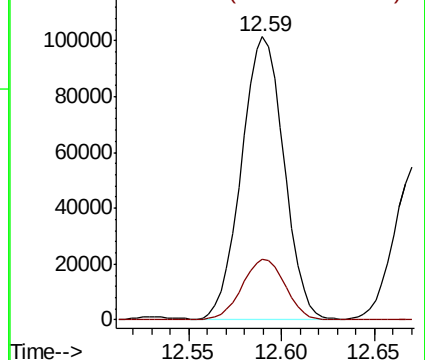
91 100

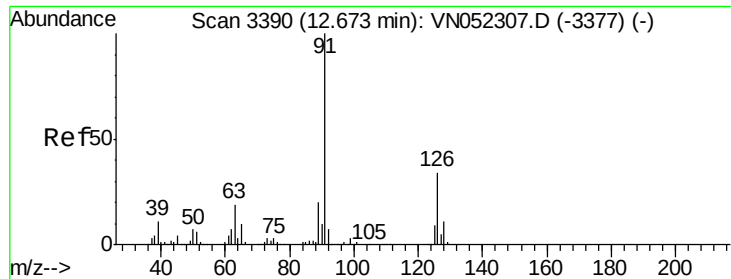
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

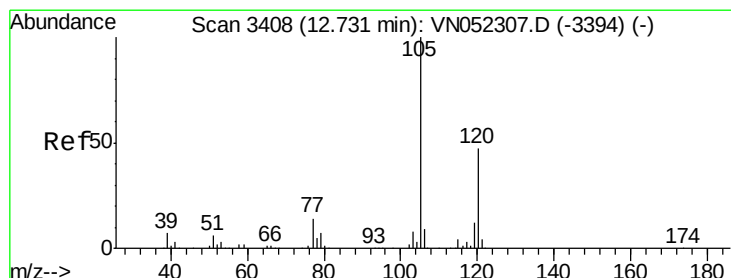
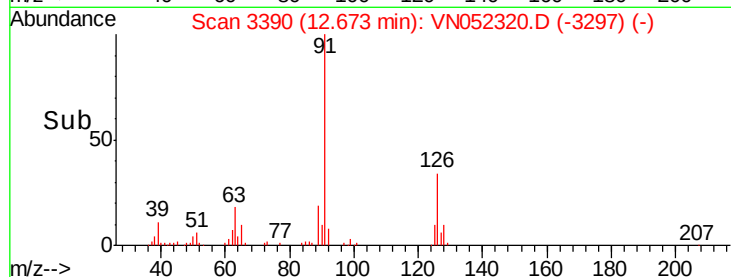
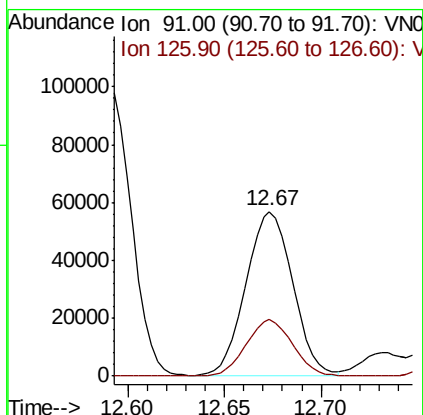
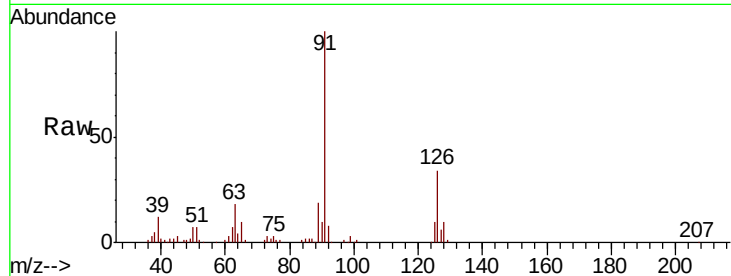




#79
 2-Chlorotoluene
 Concen: 10.569 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

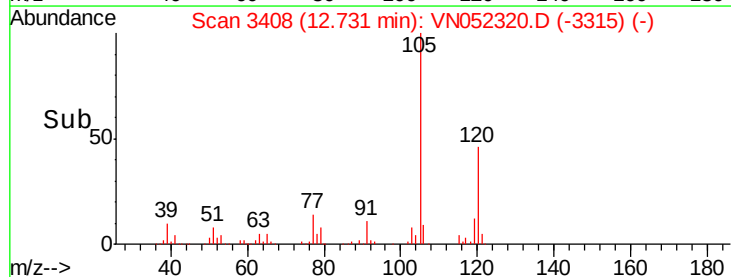
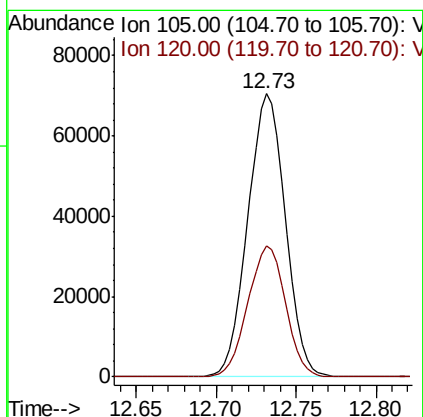
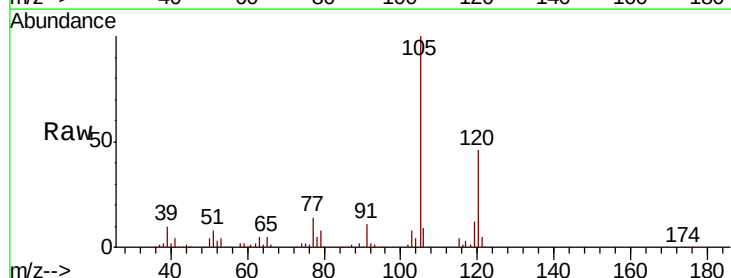
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

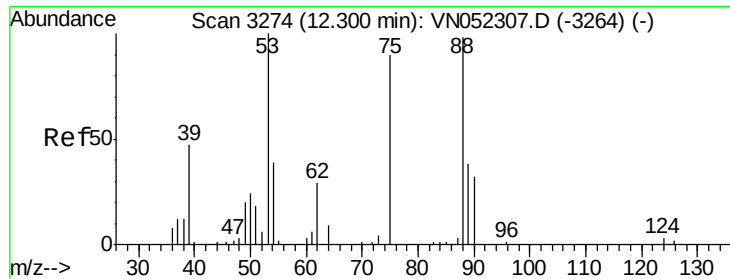
Tot Ion: 91 Resp: 96027
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 10.705 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion: 105 Resp: 113211
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.7 71.1

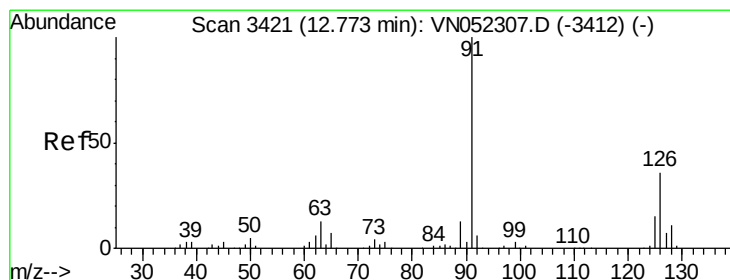
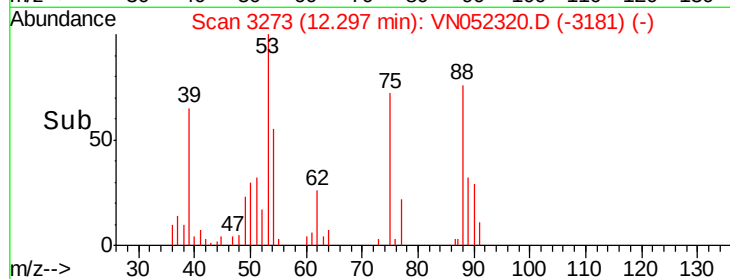
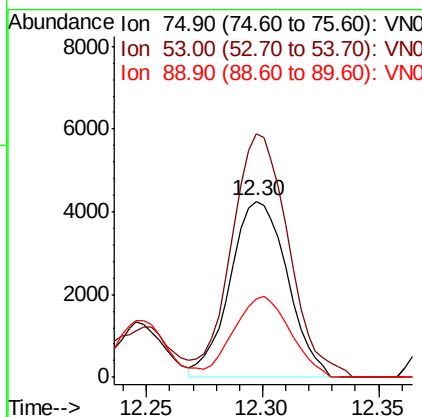
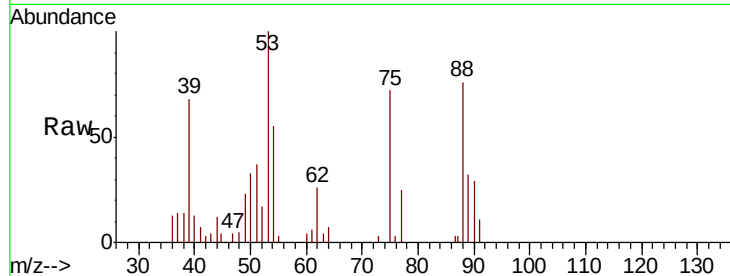




#81
trans-1,4-Dichloro-2-butene
Concen: 8.443 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

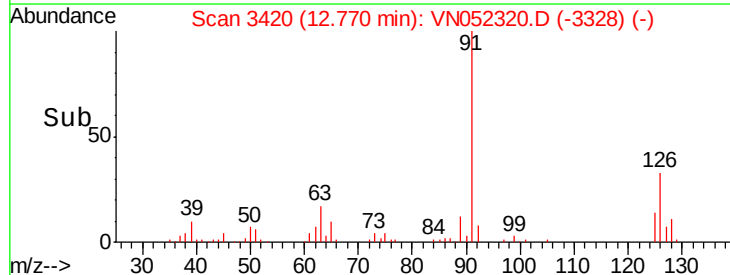
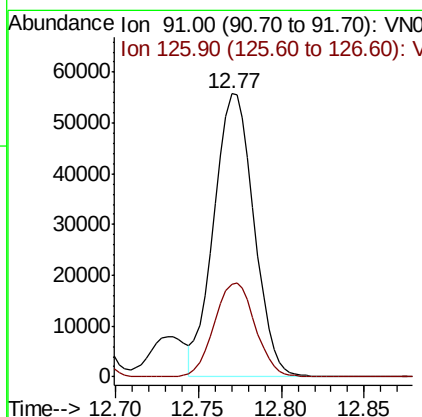
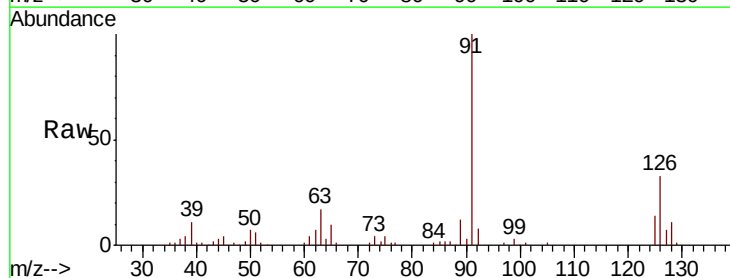
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

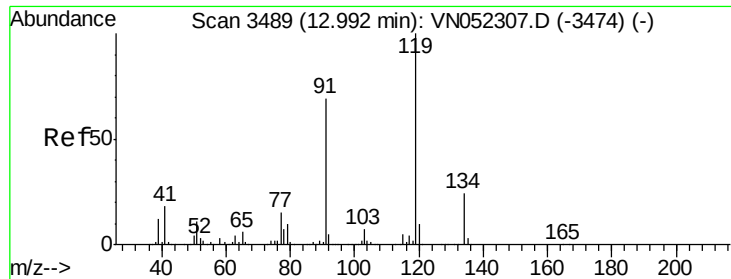
Tot Ion: 75 Resp: 7306
Ion Ratio Lower Upper
75 100
53 137.0 90.2 135.2#
89 45.1 35.4 53.0



#82
4-Chlorotoluene
Concen: 10.096 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion: 91 Resp: 93978
Ion Ratio Lower Upper
91 100
126 33.7 17.0 50.9

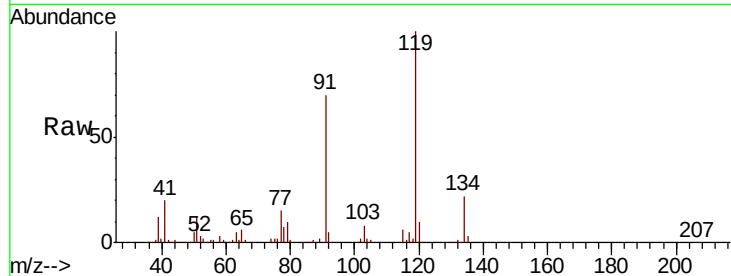




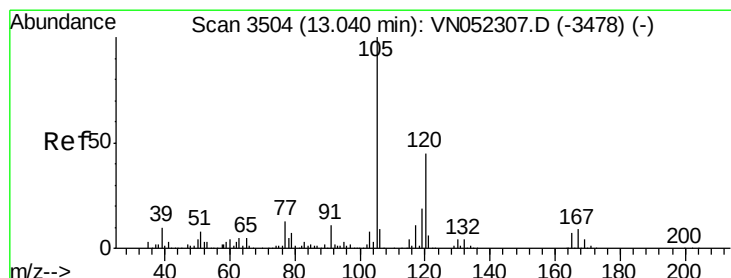
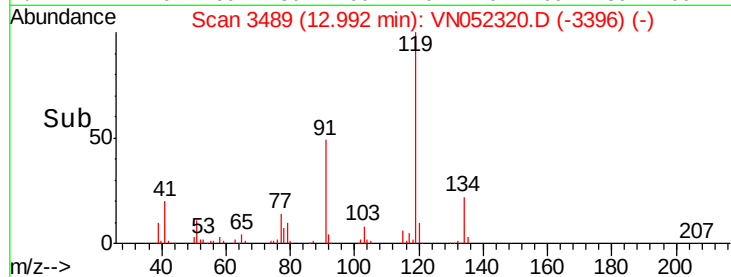
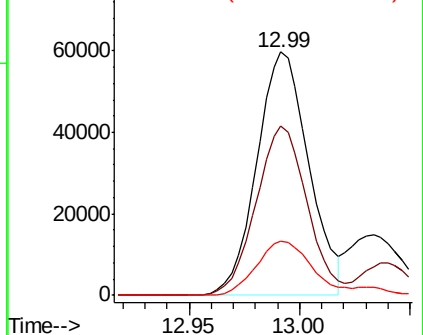
#83
 tert-Butylbenzene
 Concen: 10.456 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion:119 Resp: 97624
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.8 101.3
 134 23.8 11.9 35.9

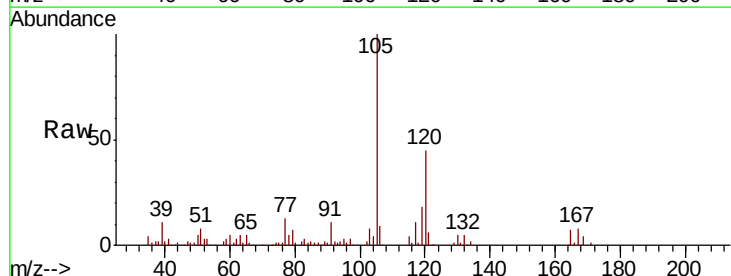


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

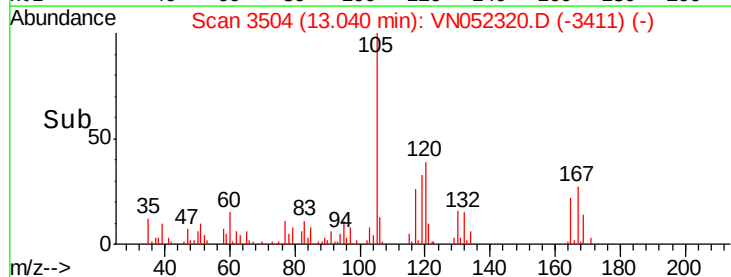
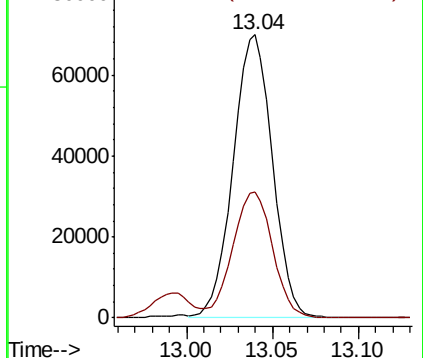


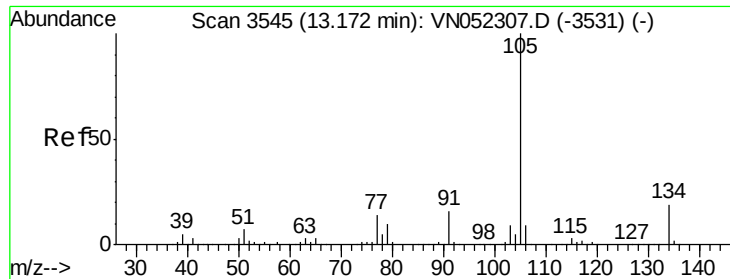
#84
 1,2,4-Trimethylbenzene
 Concen: 10.511 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion:105 Resp: 111591
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.5 67.5



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





#85

sec-Butylbenzene

Concen: 10.421 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

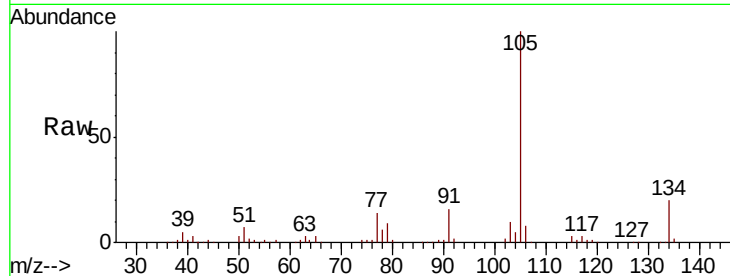
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 132545

Ion Ratio Lower Upper

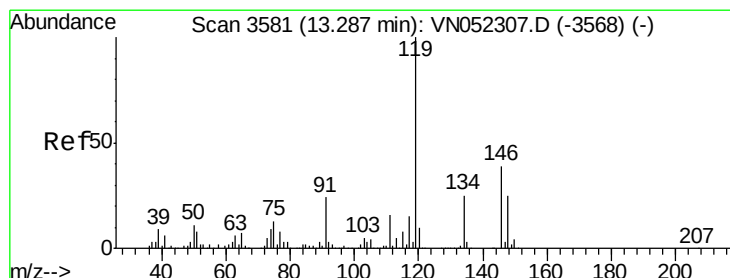
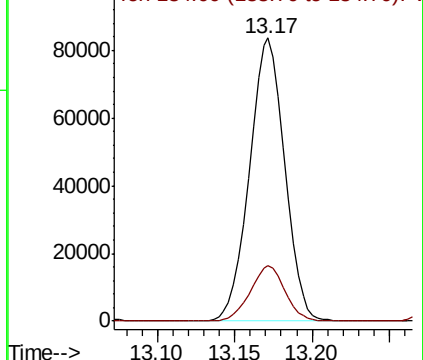
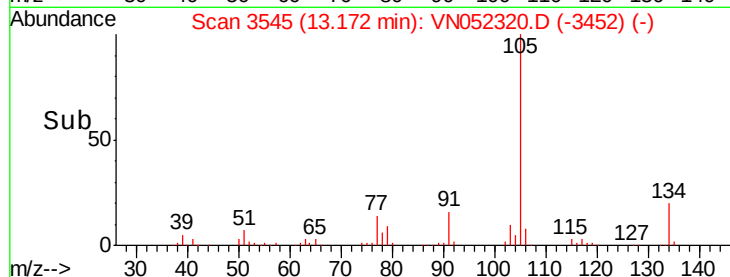
105 100

134 19.2 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.839 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

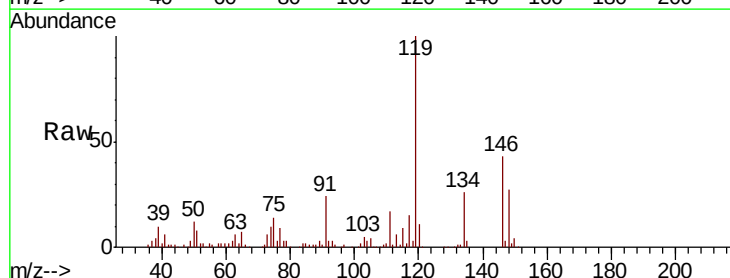
Tgt Ion:119 Resp: 106006

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

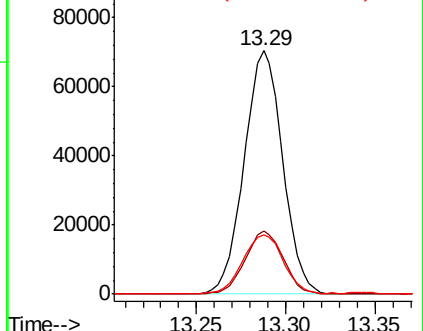
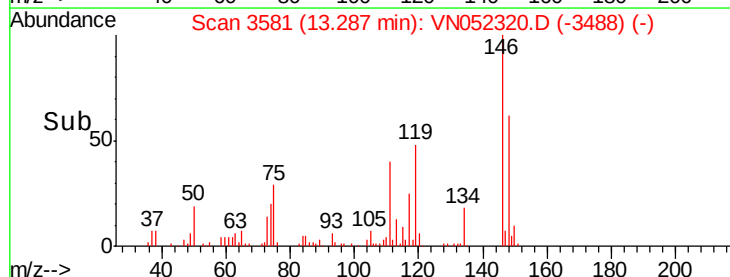
91 25.7 12.4 37.0

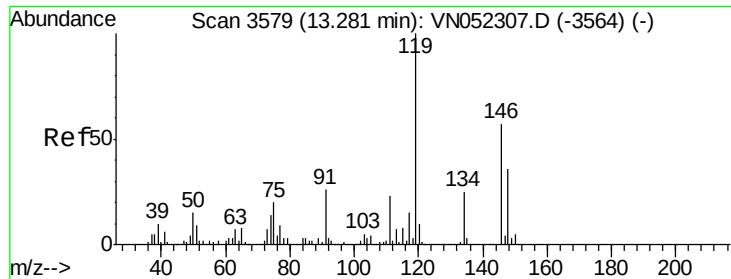


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

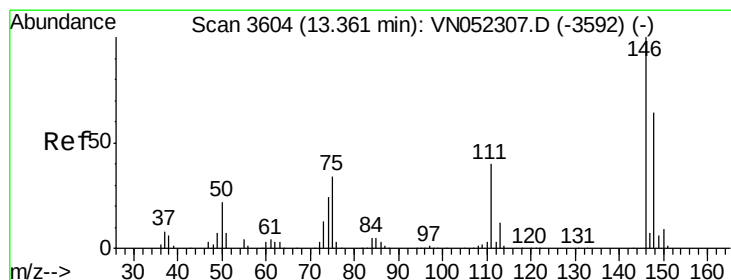
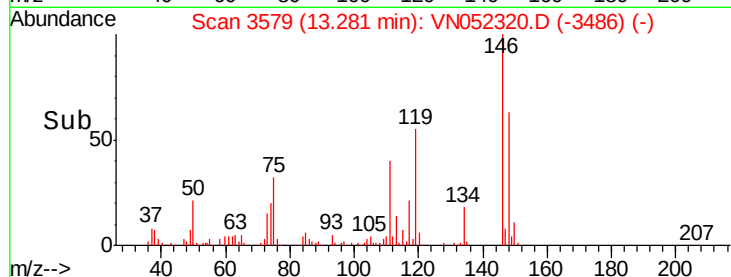
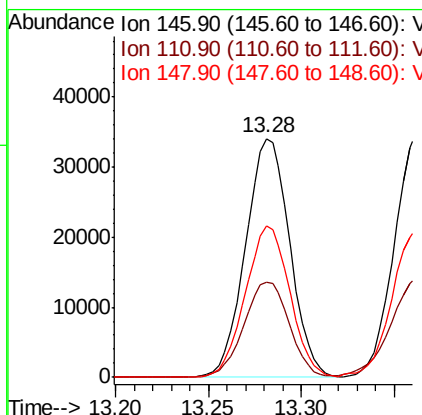
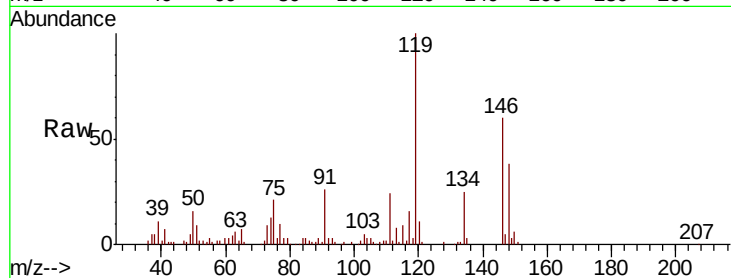




#87
 1,3-Dichlorobenzene
 Concen: 10.268 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

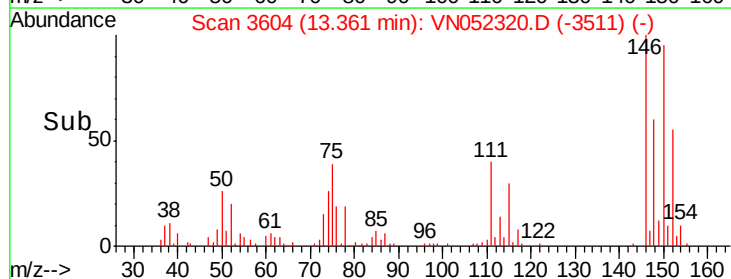
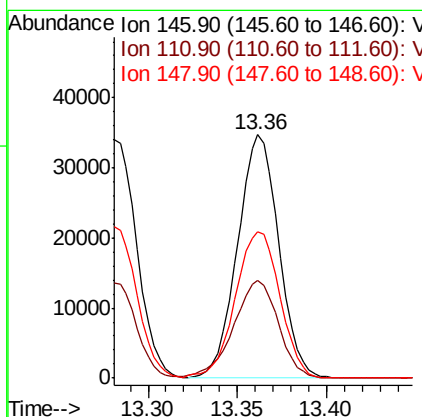
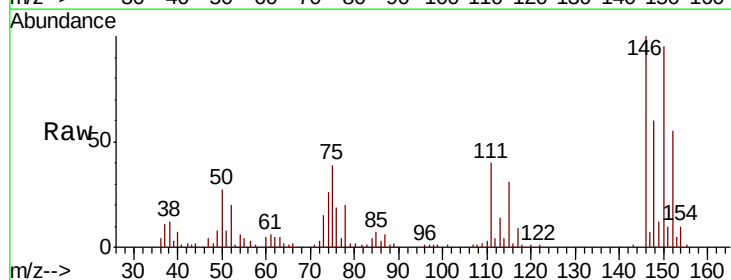
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

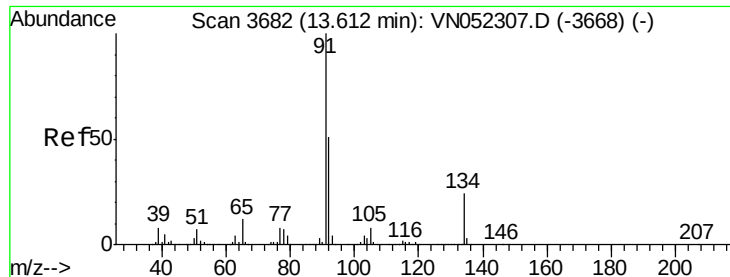
Tot Ion:146 Resp: 56429
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 61.0
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 10.209 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion:146 Resp: 55780
 Ion Ratio Lower Upper
 146 100
 111 43.9 20.6 61.8
 148 65.0 32.4 97.2





#89

n-Butylbenzene

Concen: 9.534 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052320.D

Acq: 14 Nov 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2018

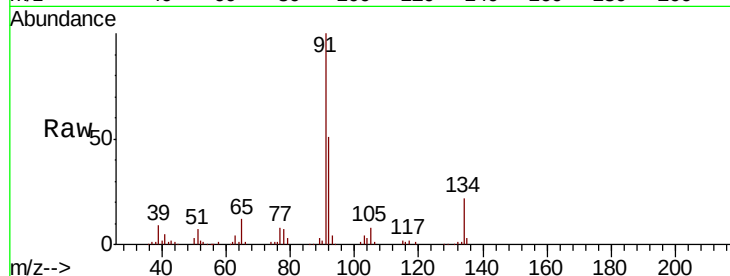
Tot Ion: 91 Resp: 88221

Ion Ratio Lower Upper

91 100

92 51.5 25.4 76.2

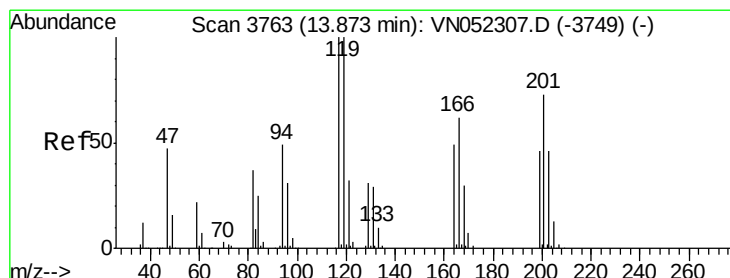
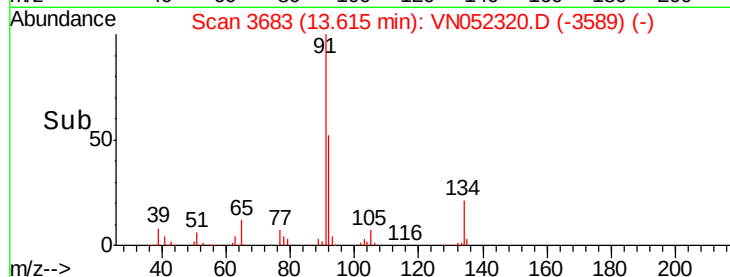
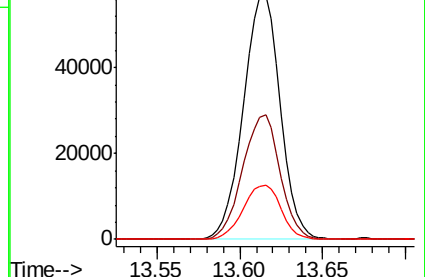
134 22.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)



#90

Hexachloroethane

Concen: 9.412 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052320.D

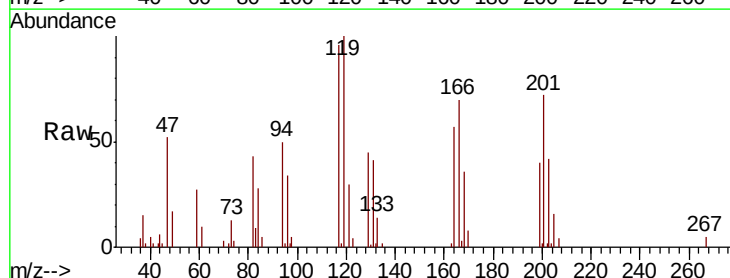
Acq: 14 Nov 2018 18:28

Tgt Ion: 117 Resp: 17960

Ion Ratio Lower Upper

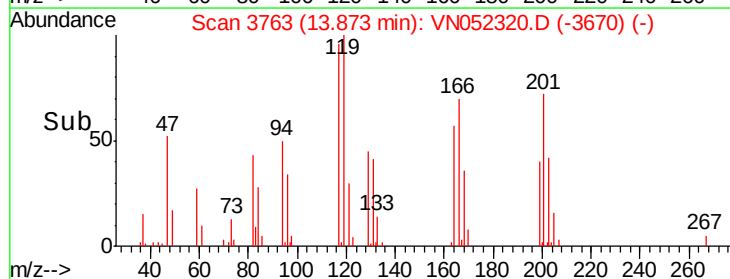
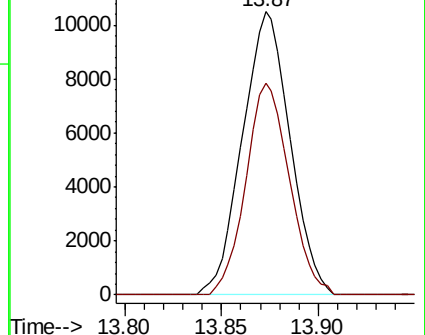
117 100

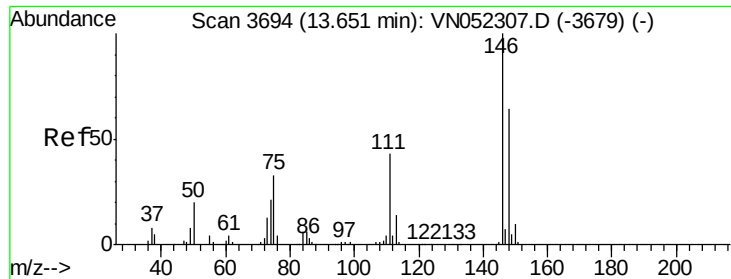
201 68.4 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

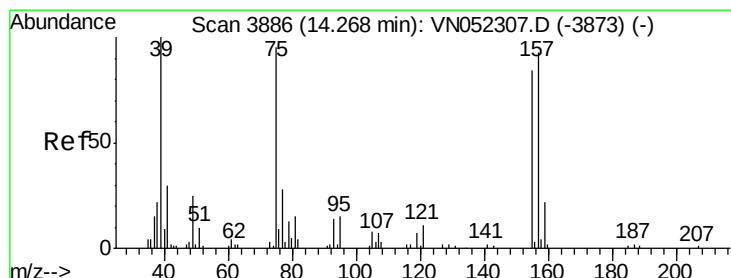
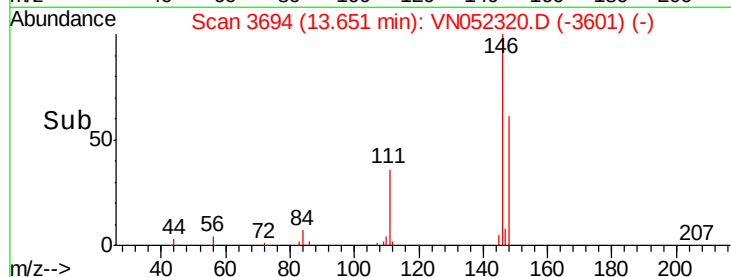
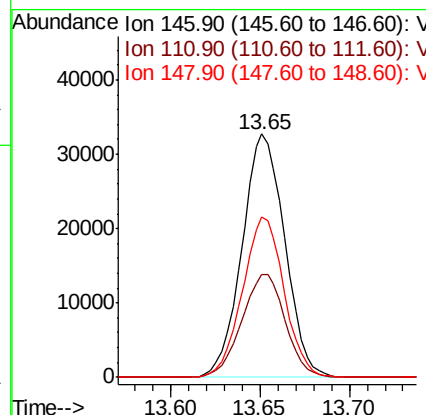
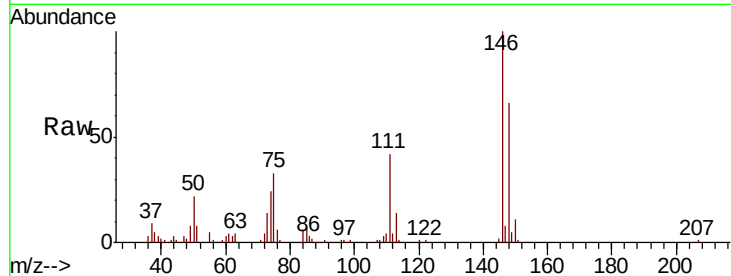




#91
 1,2-Dichlorobenzene
 Concen: 10.217 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

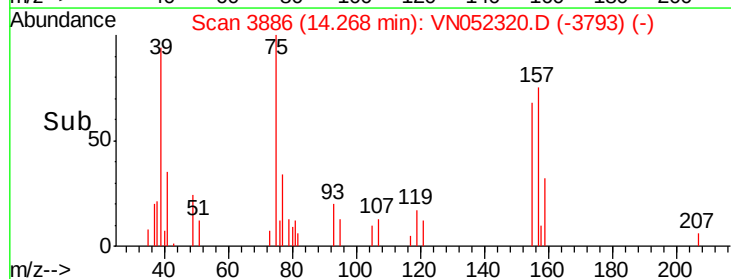
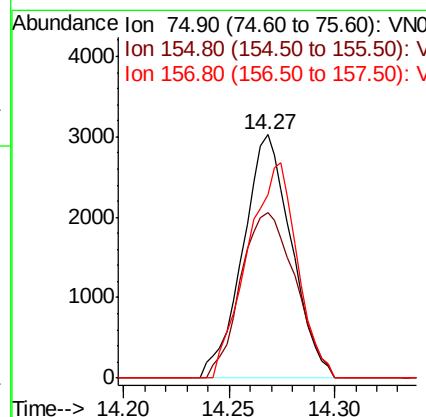
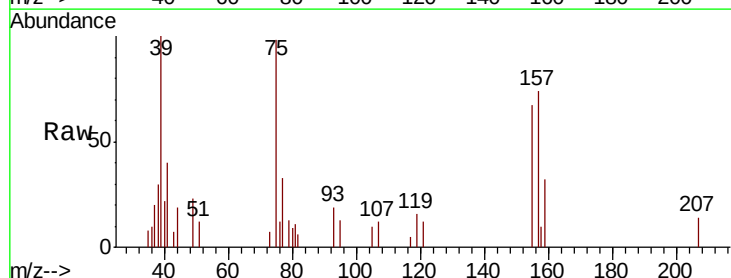
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

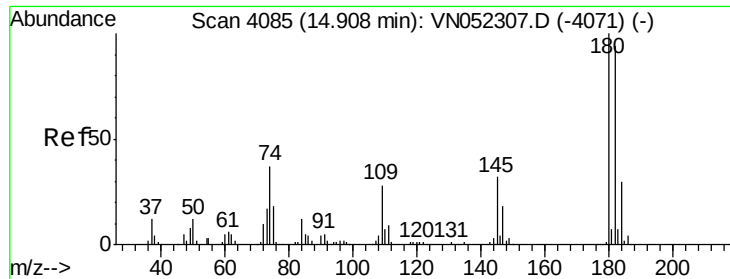
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	64.1	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.199 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	42.4	127.3
157	90.9	49.6	149.0

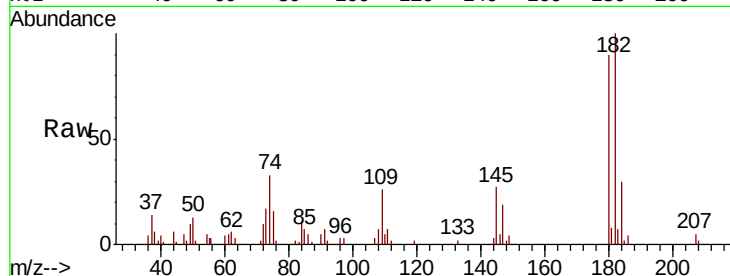




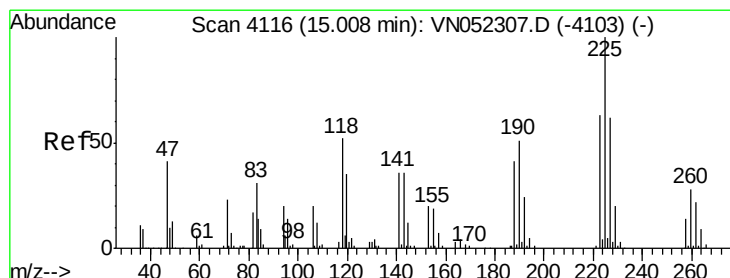
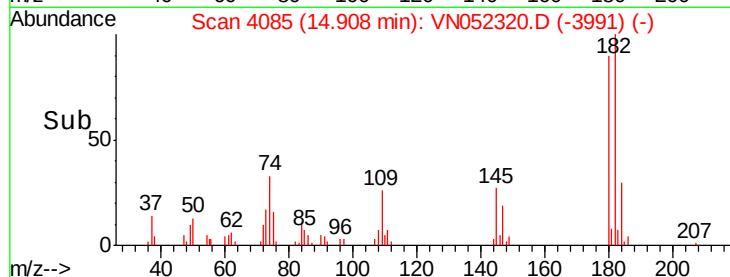
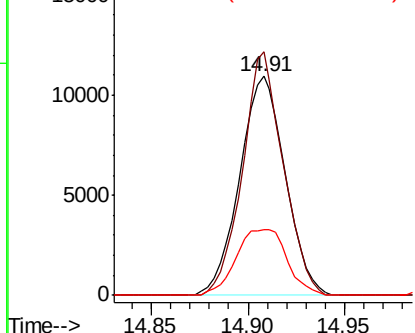
#93
 1,2,4-Trichlorobenzene
 Concen: 9.190 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion:180 Resp: 17987
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.6 142.9
 145 33.4 15.5 46.5

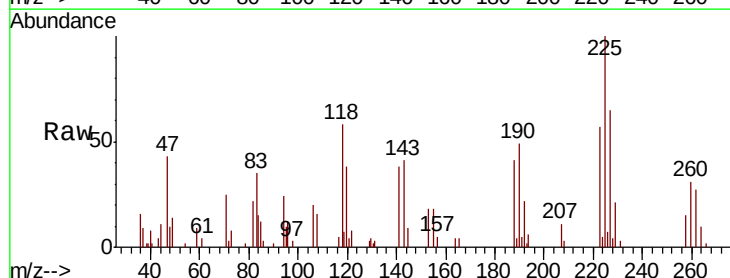


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

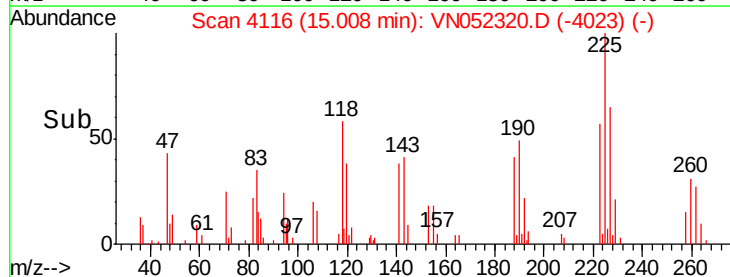
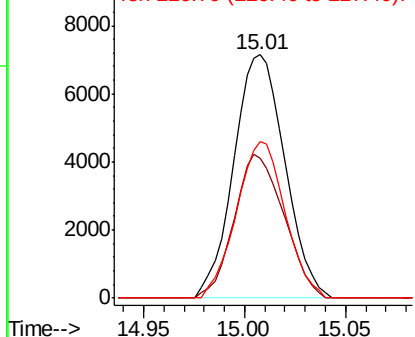


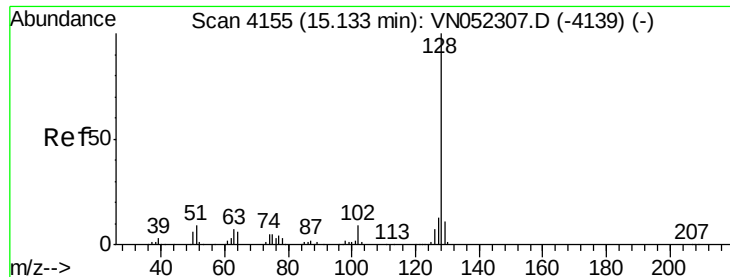
#94
 Hexachlorobutadiene
 Concen: 10.415 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052320.D
 Acq: 14 Nov 2018 18:28

Tgt Ion:225 Resp: 12692
 Ion Ratio Lower Upper
 225 100
 223 57.5 31.9 95.5
 227 61.1 31.6 95.0



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

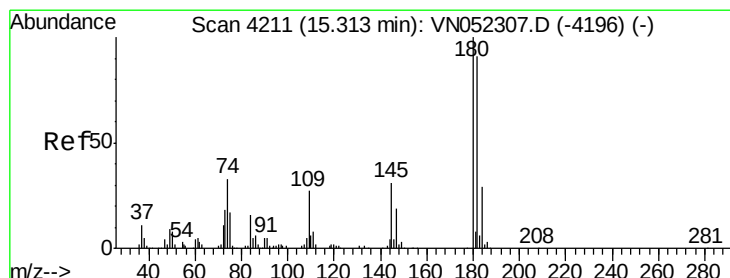
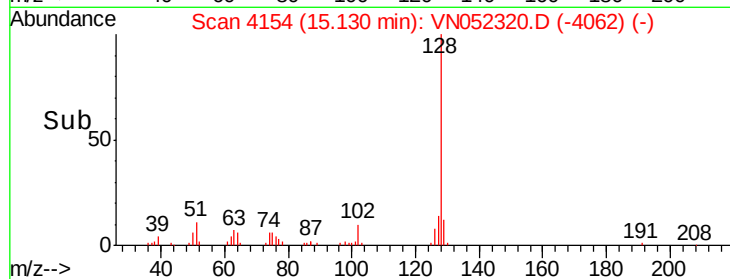
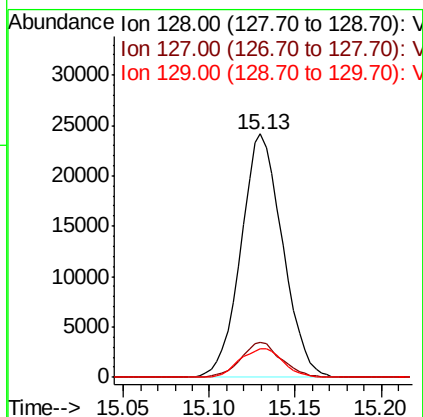
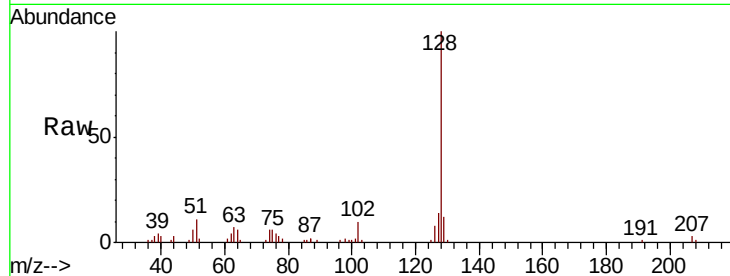




#95
Naphthalene
Concen: 9.167 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	12.4	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 8.073 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052320.D
Acq: 14 Nov 2018 18:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.9	46.5	139.3
145	32.9	16.4	49.2

