

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060570.D
 Acq On : 17 Mar 2020 21:51
 Operator : JC/MD
 Sample : L1161-07 .2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Quant Time: Mar 18 09:03:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133094	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	139107	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	7.57	113	101956	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.08	98	409052	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.40	95	139631	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1077	0.290	ug/l	97
12) 1,1-Dichloroethene	3.72	96	461	0.207	ug/l #	23
13) Acrolein	3.60	56	129	0.280	ug/l #	14
15) Acrylonitrile	4.97	53	625	0.512	ug/l #	54
16) Acetone	3.80	43	1243	1.243	ug/l	100
17) Carbon Disulfide	4.03	76	3417	0.504	ug/l #	91
23) Vinyl Acetate	5.87	43	4297	0.636	ug/l #	74
25) 2-Butanone	6.81	43	721	0.445	ug/l #	50
29) Tetrahydrofuran	7.19	42	988	0.863	ug/l #	53
31) Cyclohexane	7.64	56	5250	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.77	75	823	0.243	ug/l #	42
38) Carbon Tetrachloride	7.64	117	19696	6.498	ug/l #	16
40) Benzene	8.02	78	2062	0.202	ug/l	91
44) Trichloroethene	8.82	130	698	0.271	ug/l	58
51) 4-Methyl-2-Pentanone	9.97	43	3439	1.003	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	1036	0.266	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.68	63	1668	0.907	ug/l	96
59) 2-Hexanone	10.74	43	2086	0.844	ug/l	87
64) Tetrachloroethene	10.63	164	681	0.278	ug/l	93
65) Chlorobenzene	11.42	112	1527	0.248	ug/l	95
67) Ethyl Benzene	11.51	91	2472	0.216	ug/l #	77
68) m/p-Xylenes	11.62	106	1895	0.445	ug/l	88
69) o-Xylene	11.95	106	818	0.201	ug/l	96
70) Styrene	11.96	104	1476	0.222	ug/l	88
73) Isopropylbenzene	12.25	105	2196	0.220	ug/l	83
74) N-amyl acetate	12.07	43	1151	0.249	ug/l #	60
76) 1,2,3-Trichloropropane	12.40	75	70070	24.399	ug/l #	100
77) Bromobenzene	12.52	156	618	0.257	ug/l	95
78) n-propylbenzene	12.59	91	3342	0.283	ug/l	88
79) 2-Chlorotoluene	12.67	91	1792	0.254	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	1977	0.233	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	70070	62.663	ug/l #	13
82) 4-Chlorotoluene	12.77	91	2310	0.322	ug/l	93
83) tert-Butylbenzene	12.99	119	1597	0.227	ug/l #	84

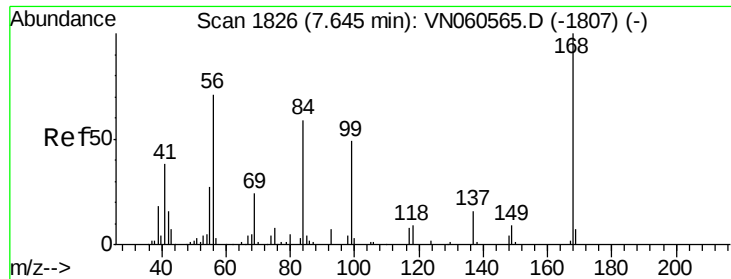
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	1991	0.237	ug/l	84
85) sec-Butylbenzene	13.17	105	2203	0.233	ug/l	97
86) p-Isopropyltoluene	13.28	119	2253	0.265	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1399	0.330	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	1399	0.328	ug/l	96
89) n-Butylbenzene	13.61	91	2491	0.325	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1107	0.273	ug/l	93
93) 1,2,4-Trichlorobenzene	14.90	180	1100	0.441	ug/l	94
94) Hexachlorobutadiene	15.00	225	477	0.390	ug/l #	59
95) Naphthalene	15.13	128	2972	0.396	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	961	0.391	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

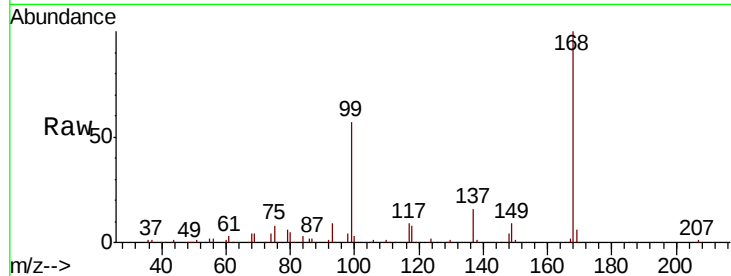
LOD-MDL-WATER-01-QT1-2020

Tot Ion:168 Resp: 205696

Ion Ratio Lower Upper

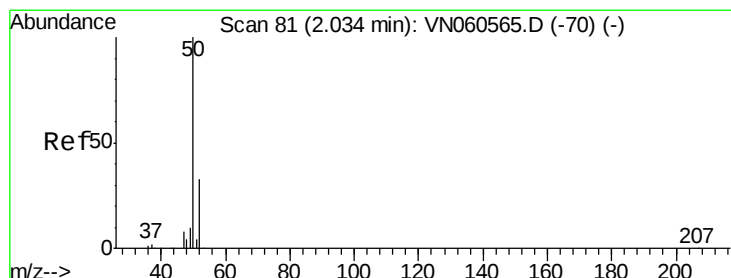
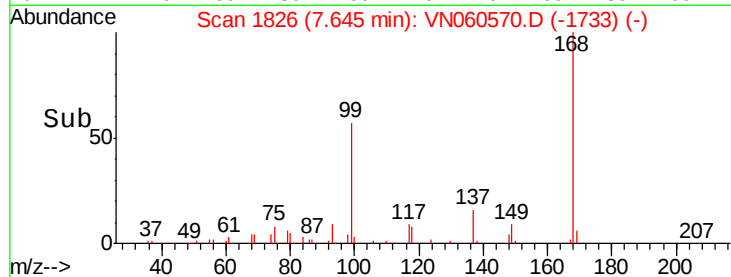
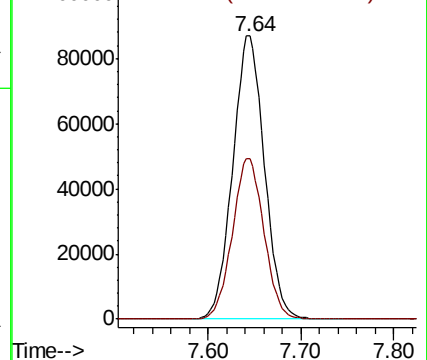
168 100

99 56.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060570.D

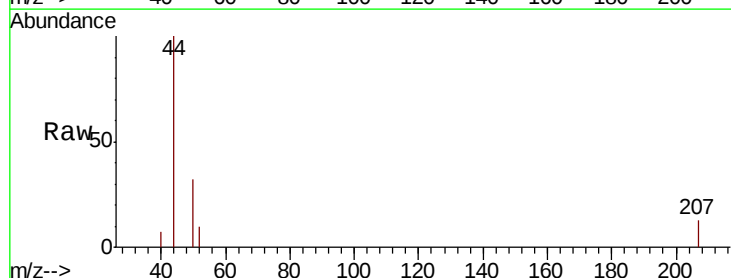
Acq: 17 Mar 2020 21:51

Tgt Ion: 50 Resp: 1077

Ion Ratio Lower Upper

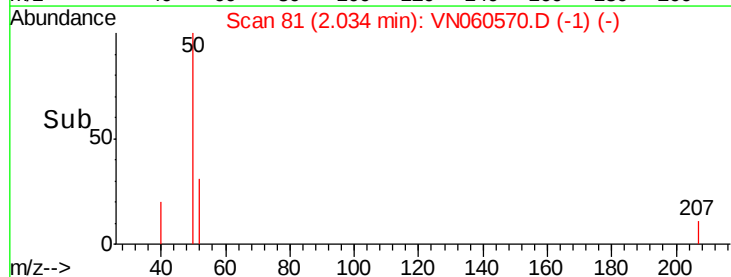
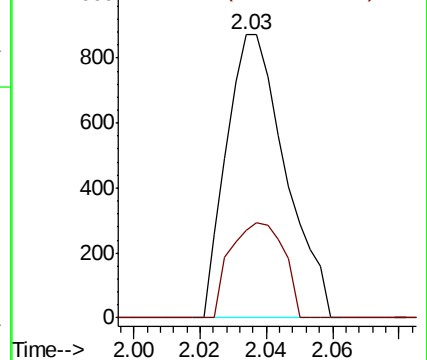
50 100

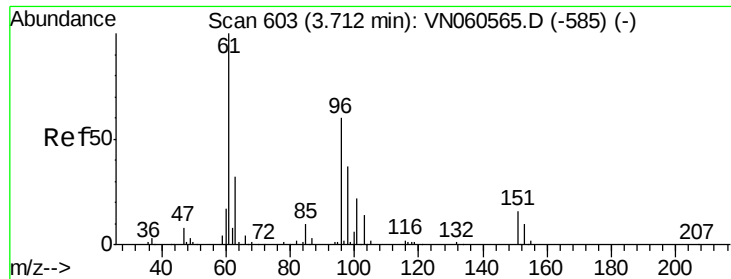
52 31.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

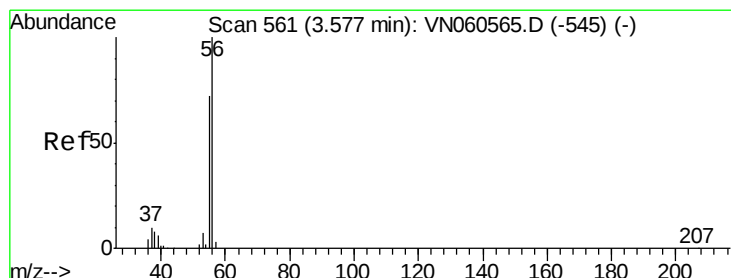
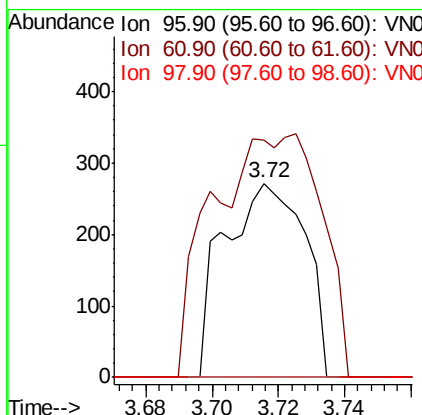
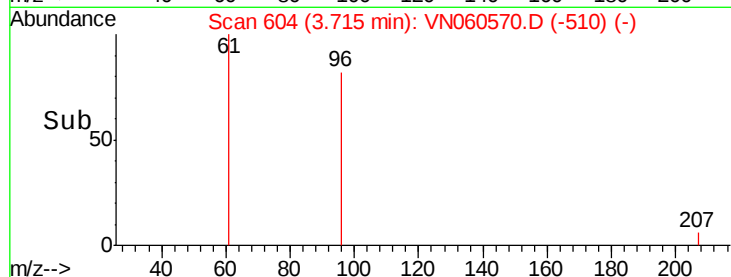
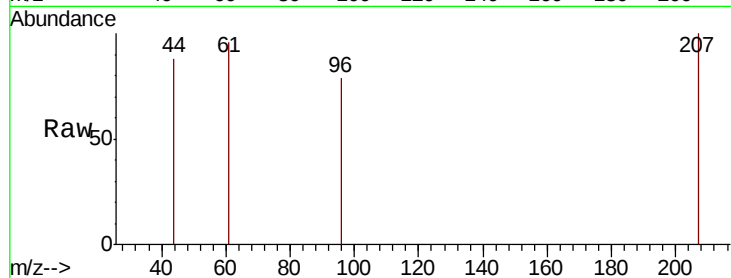




#12
 1,1-Dichloroethene
 Concen: 0.207 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

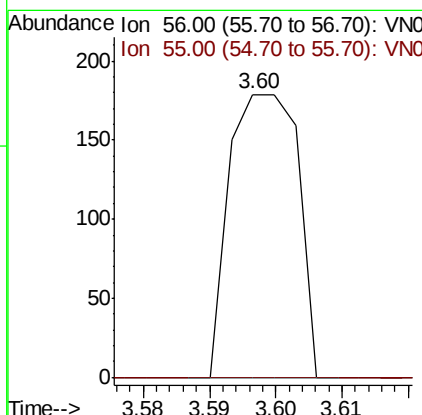
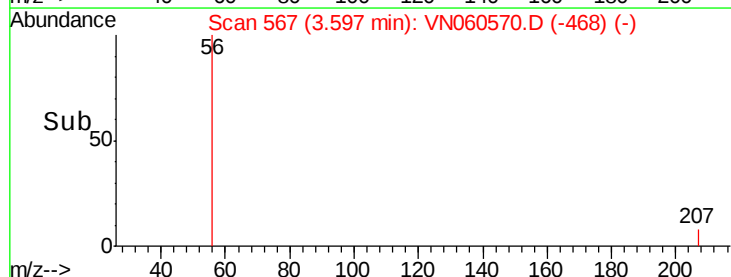
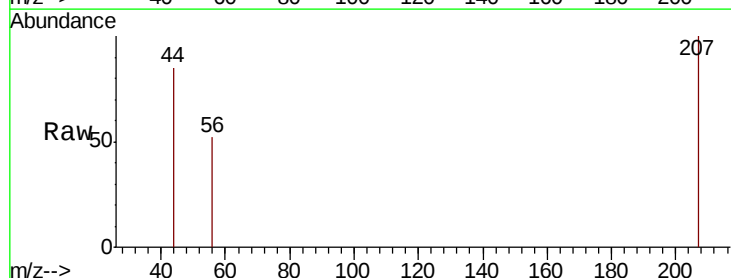
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

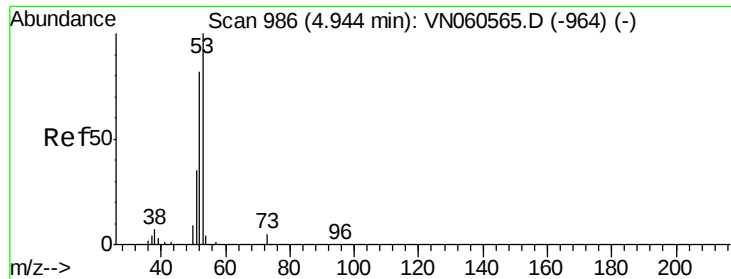
Tot Ion: 96 Resp: 461
 Ion Ratio Lower Upper
 96 100
 61 65.8 134.1 201.1#
 98 0.0 49.9 74.9#



#13
 Acrolein
 Concen: 0.280 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Tgt Ion: 56 Resp: 129
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#





#15

Acrylonitrile

Concen: 0.512 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.03 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

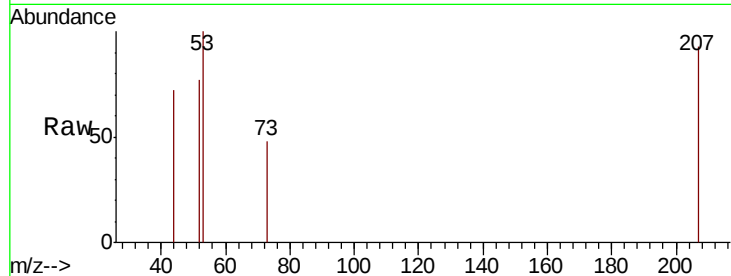
Tot Ion: 53 Resp: 625

Ion Ratio Lower Upper

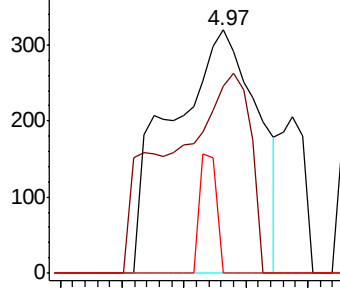
53 100

52 40.8 66.2 99.4#

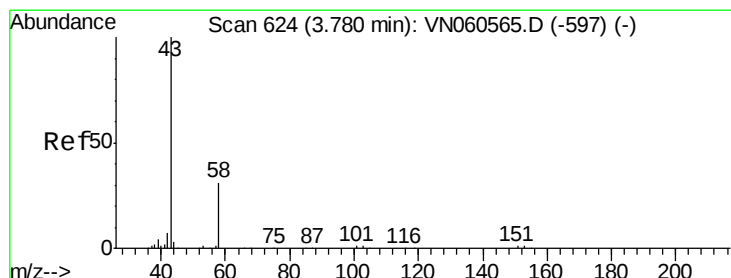
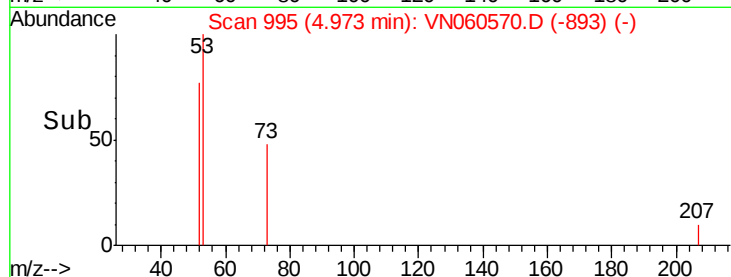
51 9.4 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO



Time--> 4.92 4.94 4.96 4.98 5.00



#16

Acetone

Concen: 1.243 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060570.D

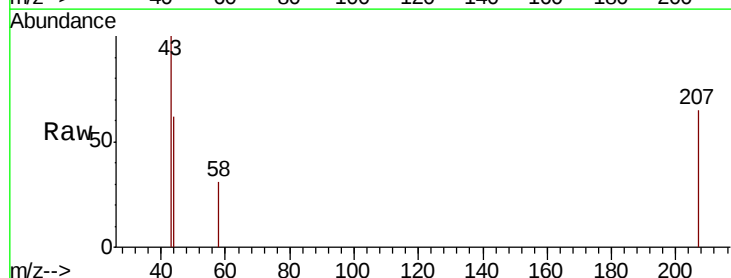
Acq: 17 Mar 2020 21:51

Tgt Ion: 43 Resp: 1243

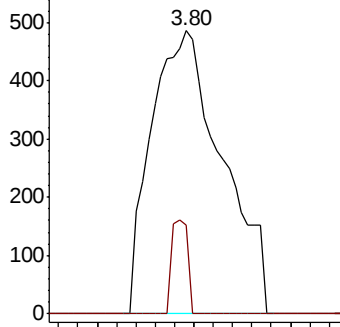
Ion Ratio Lower Upper

43 100

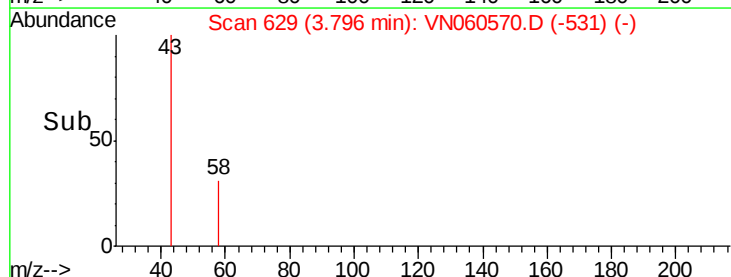
58 31.5 25.1 37.7

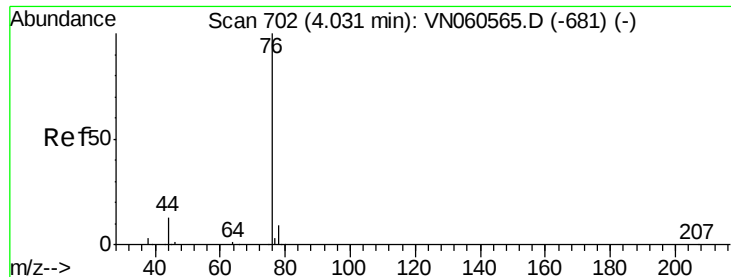


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



Time--> 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 0.504 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

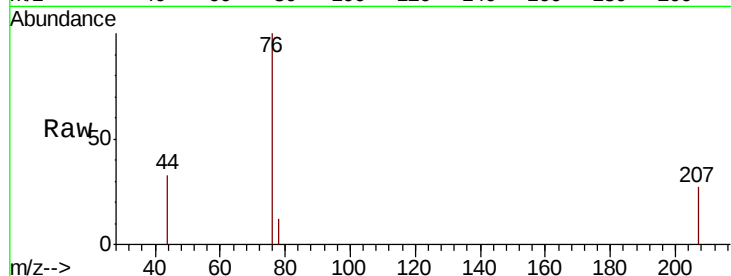
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 3417

Ion Ratio Lower Upper

76 100

78 12.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-681) (-)

4.03

1500

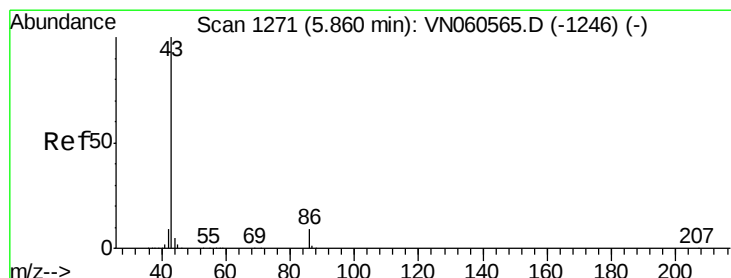
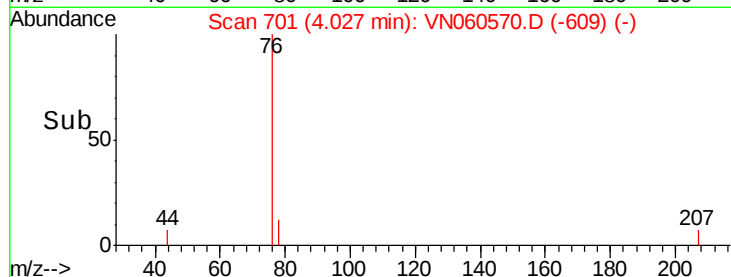
1000

500

0

3.95 4.00 4.05 4.10

Time-->



#23

Vinyl Acetate

Concen: 0.636 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN060570.D

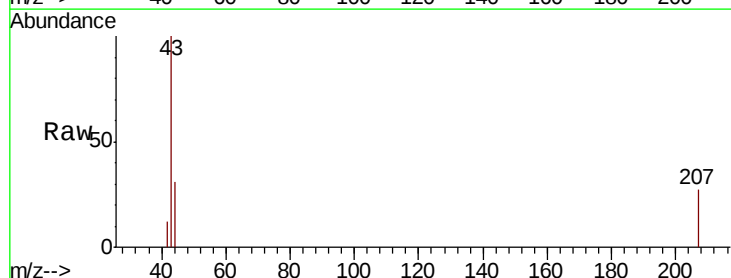
Acq: 17 Mar 2020 21:51

Tgt Ion: 43 Resp: 4297

Ion Ratio Lower Upper

43 100

86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.87

1500

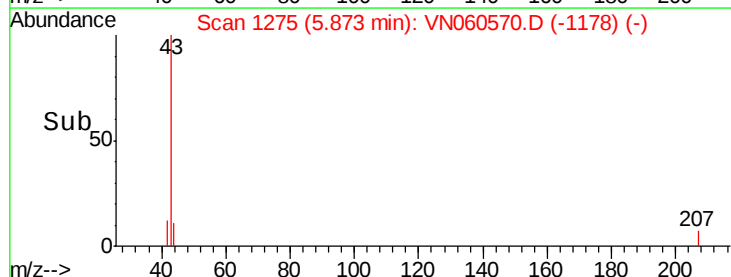
1000

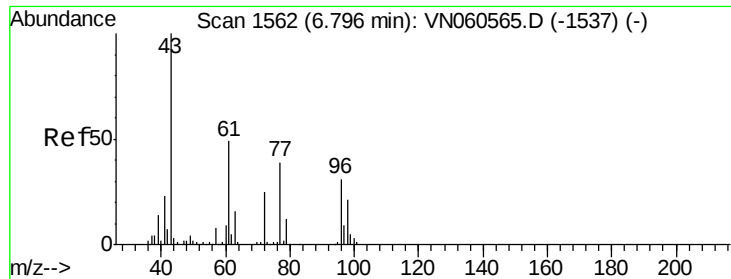
500

0

5.80 5.85 5.90

Time-->





#25

2-Butanone

Concen: 0.445 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

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ClientSampleId :

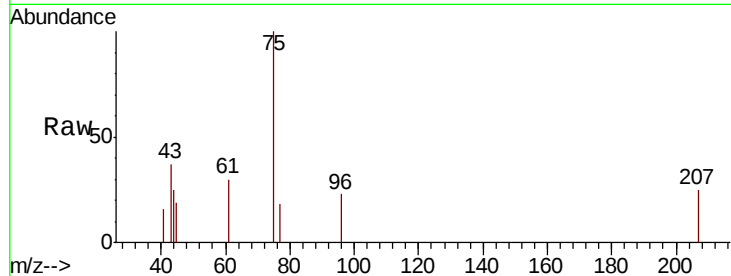
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

500

400

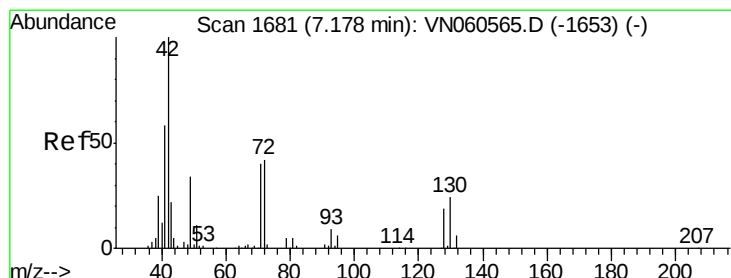
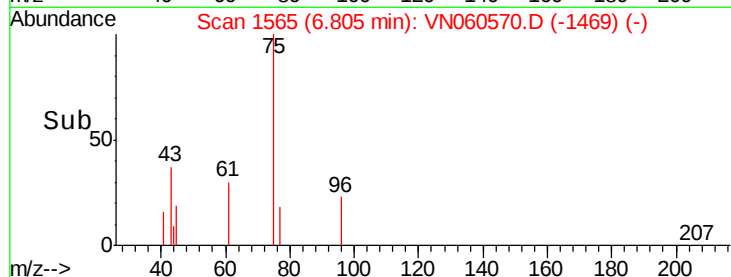
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.863 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

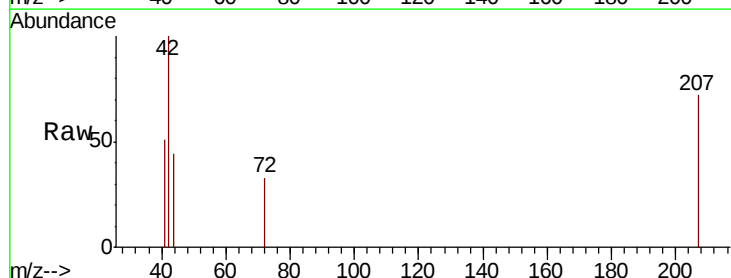
Tgt Ion: 42 Resp: 988

Ion Ratio Lower Upper

42 100

72 9.6 33.2 49.8#

71 12.7 31.1 46.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

600

500

400

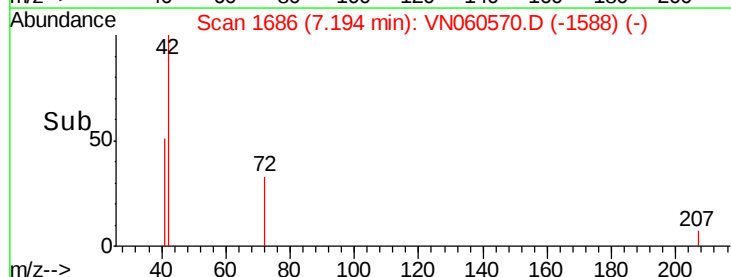
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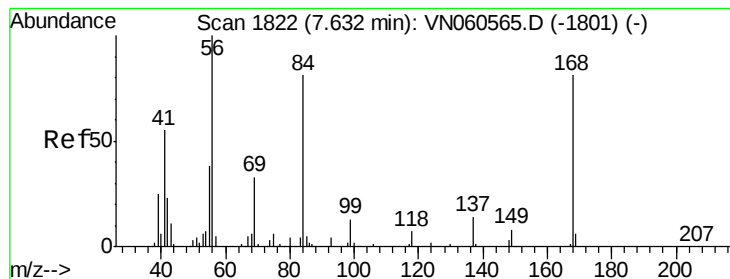
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

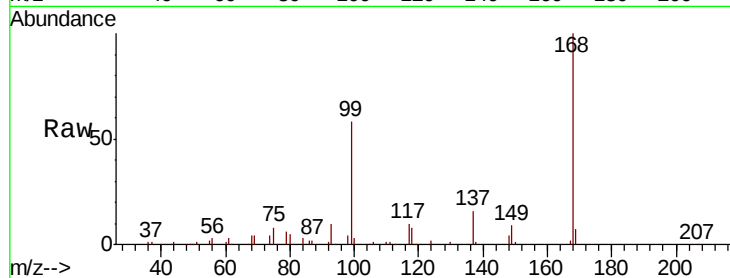
Tot Ion: 56 Resp: 5250

Ion Ratio Lower Upper

56 100

69 158.9 26.6 40.0#

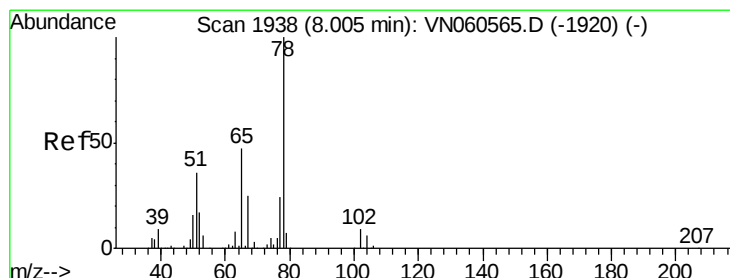
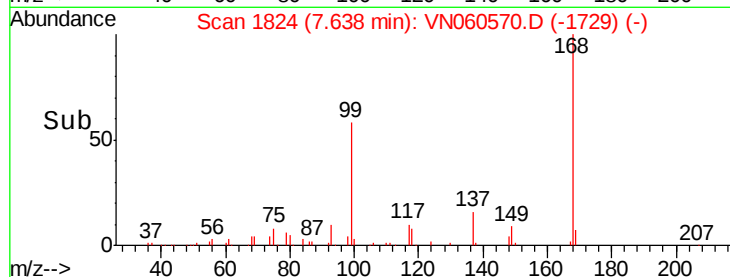
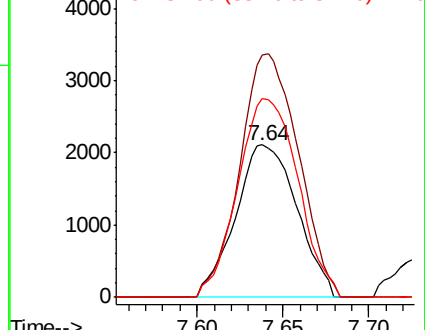
84 130.6 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060565.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060565.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.263 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060570.D

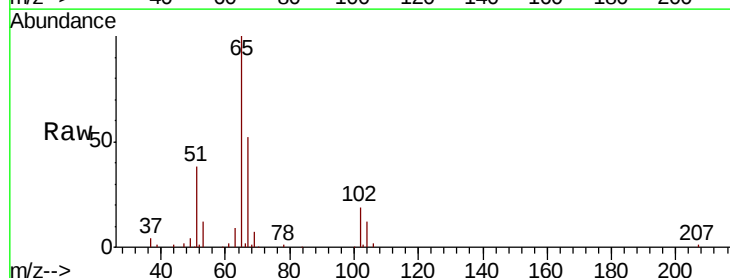
Acq: 17 Mar 2020 21:51

Tgt Ion: 65 Resp: 139107

Ion Ratio Lower Upper

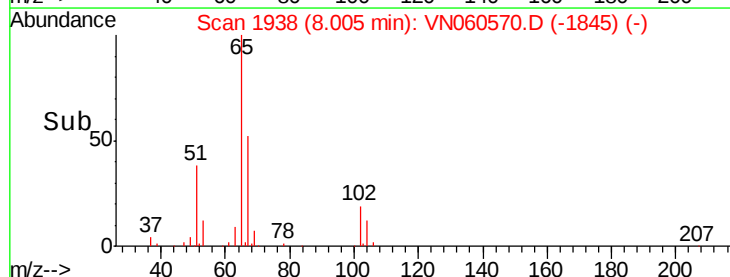
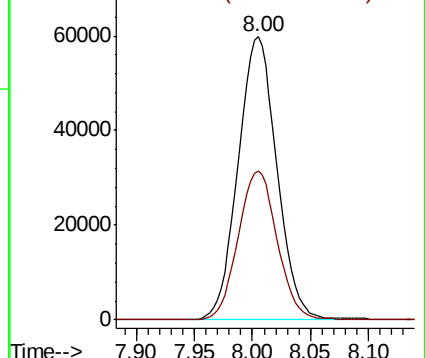
65 100

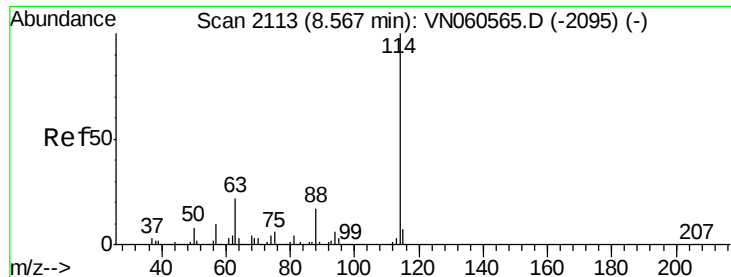
67 53.0 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)

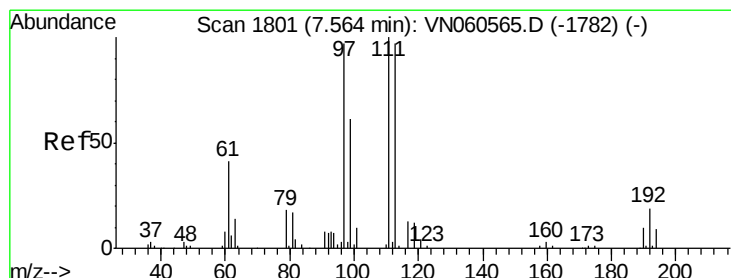
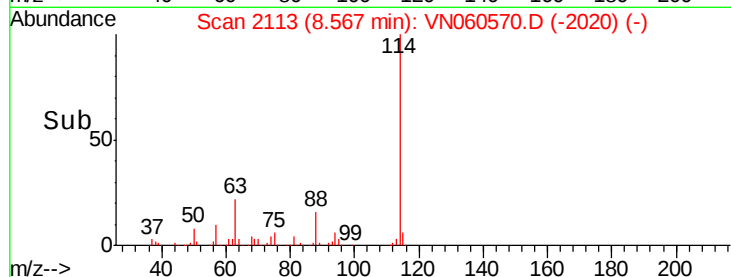
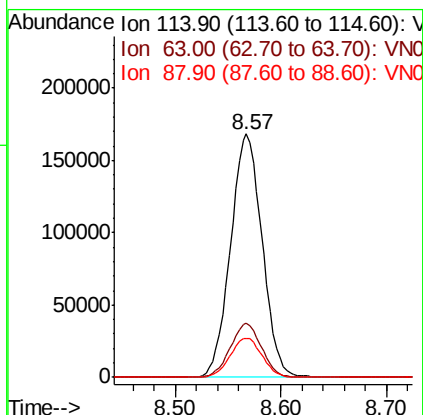
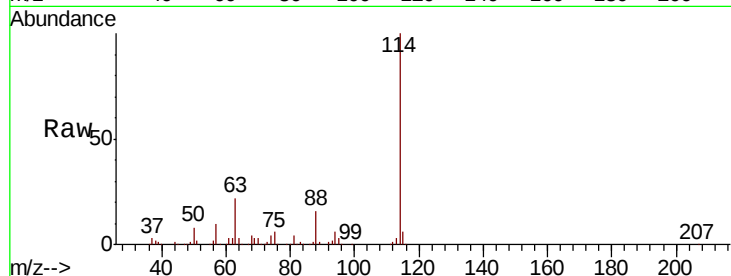




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

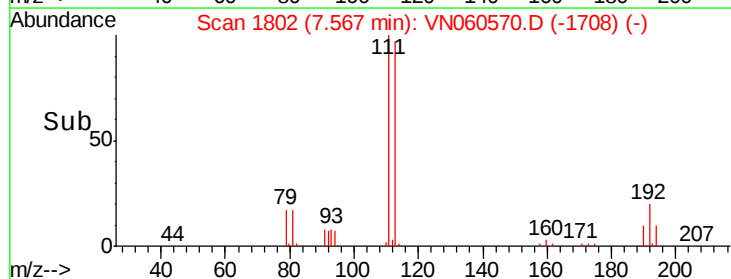
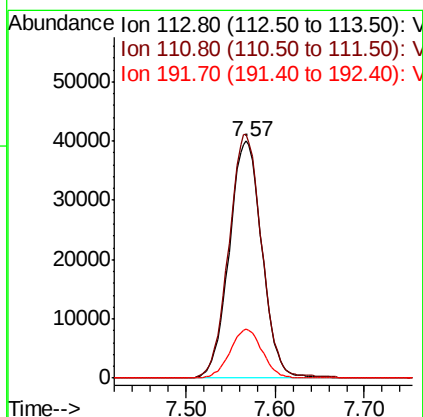
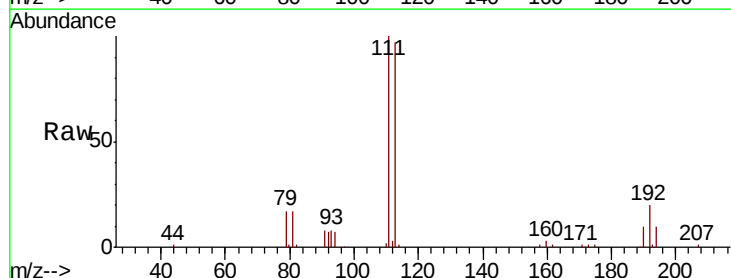
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

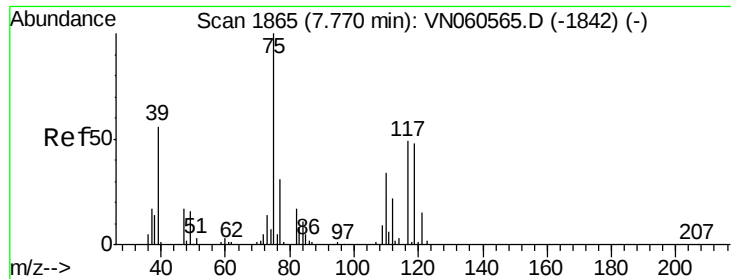
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.2	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 48.276 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	20.2	15.8	23.8





#36

1,1-Dichloropropene

Concen: 0.243 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

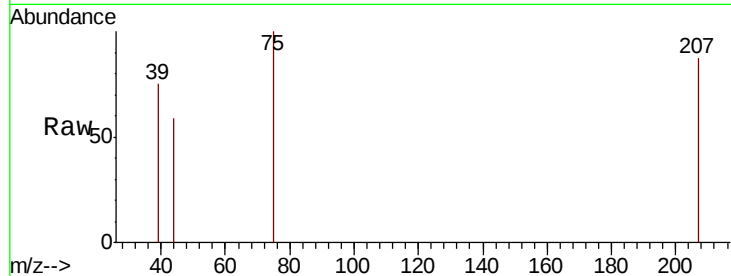
Tot Ion: 75 Resp: 823

Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.6#

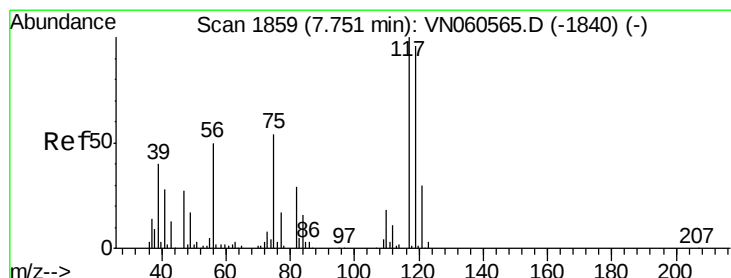
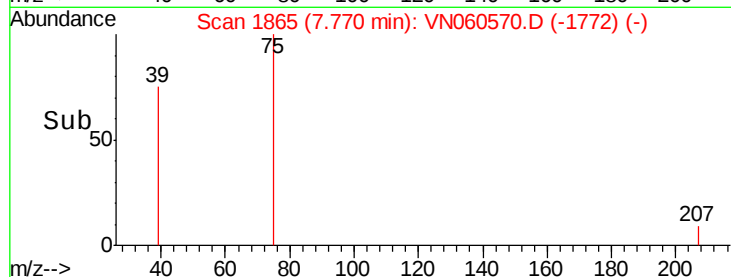
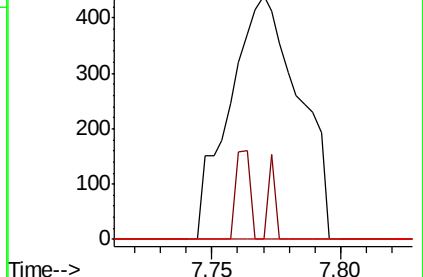
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060570.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060570.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060570.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.498 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

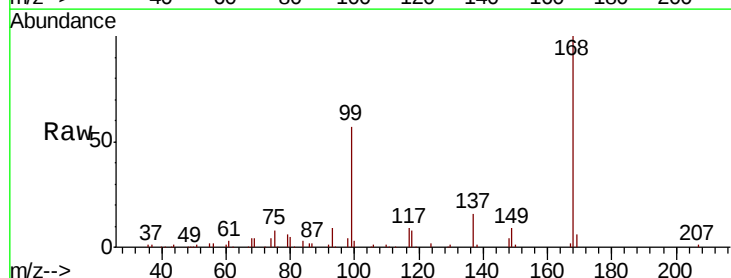
Tgt Ion: 117 Resp: 19696

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

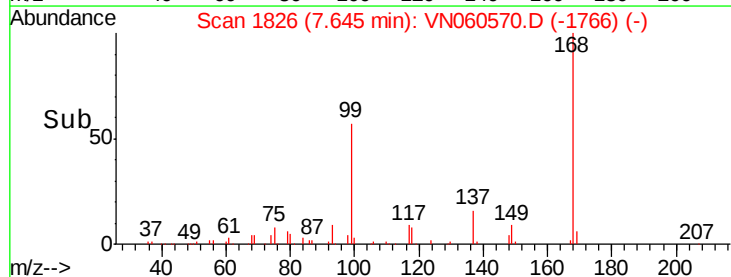
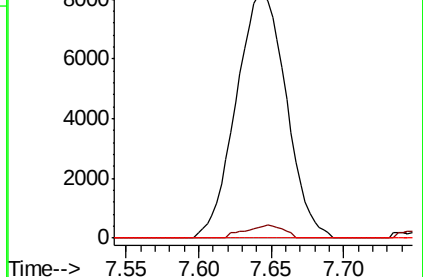
121 0.0 23.7 35.5#

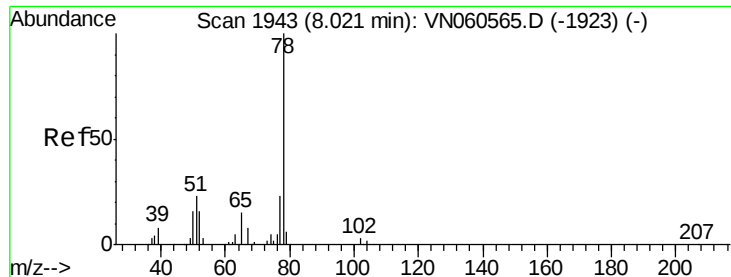


Abundance Ion 116.80 (116.50 to 117.50): VN060570.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060570.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060570.D (-1766) (-)





#40

Benzene

Concen: 0.202 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

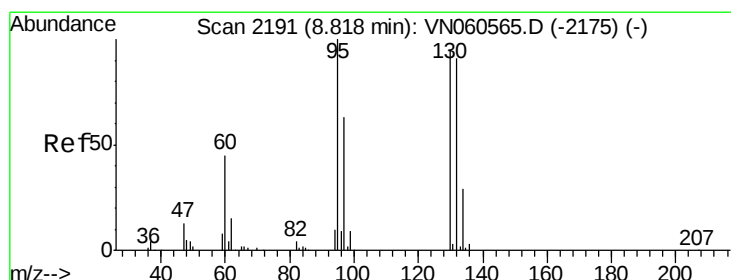
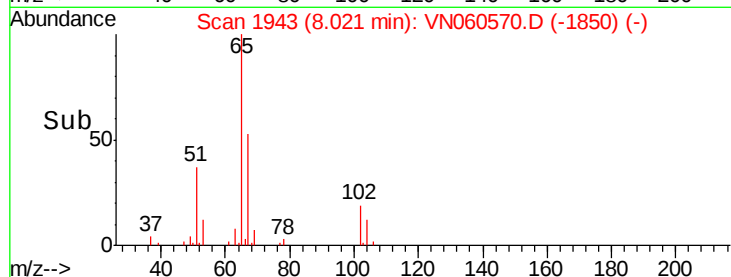
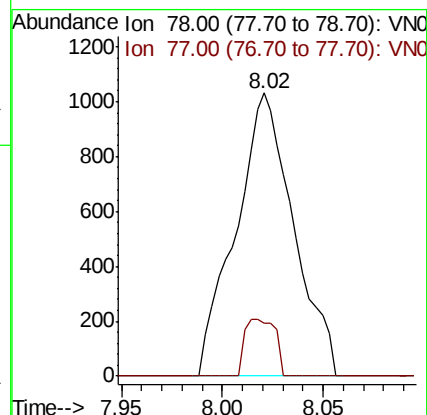
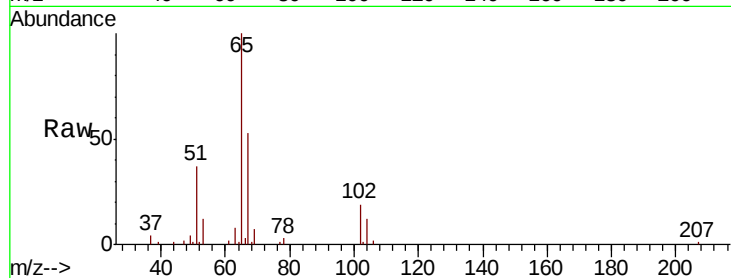
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 78 Resp: 2062

Ion Ratio Lower Upper

78 100

77 18.8 18.6 28.0



#44

Trichloroethene

Concen: 0.271 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VN060570.D

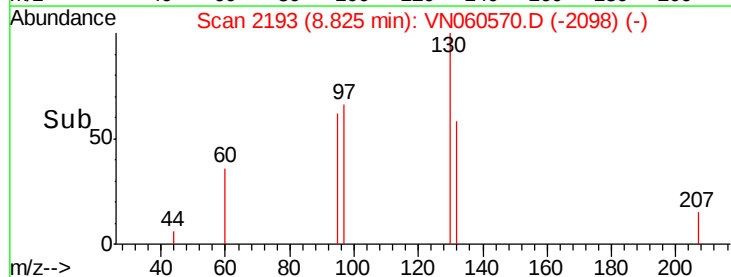
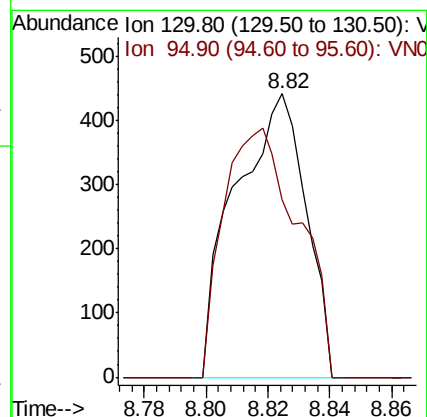
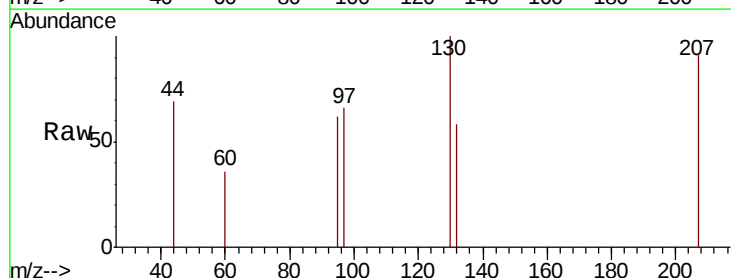
Acq: 17 Mar 2020 21:51

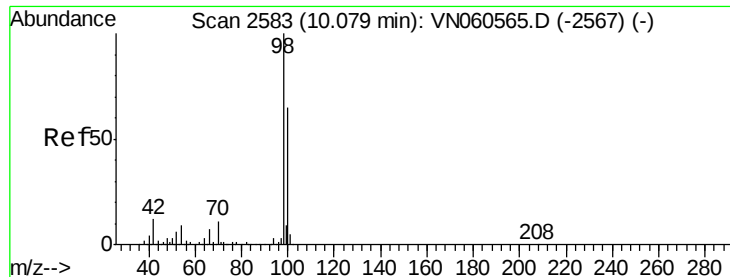
Tgt Ion: 130 Resp: 698

Ion Ratio Lower Upper

130 100

95 62.4 0.0 211.2





#50

Toluene-d8

Concen: 47.419 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

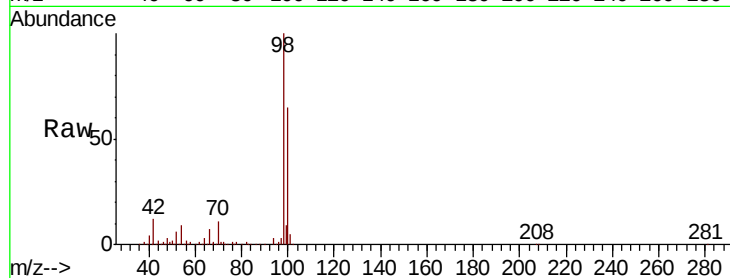
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 98 Resp: 409052

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

250000

200000

150000

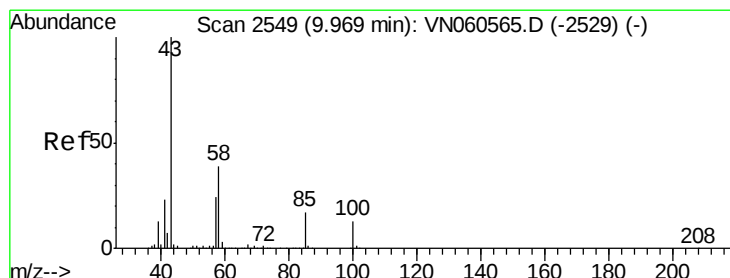
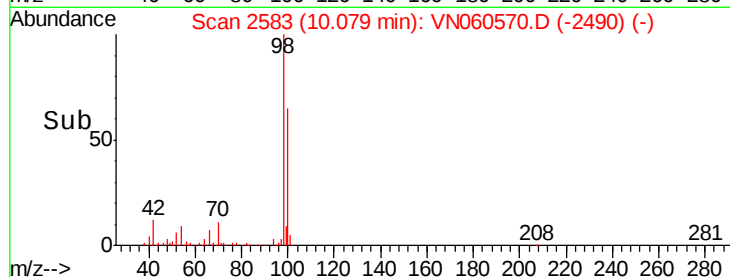
100000

50000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.003 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060570.D

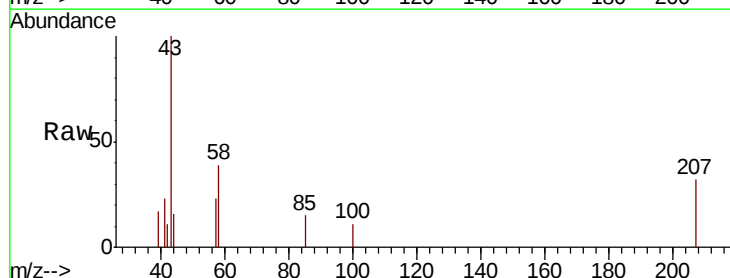
Acq: 17 Mar 2020 21:51

Tgt Ion: 43 Resp: 3439

Ion Ratio Lower Upper

43 100

58 37.2 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2000

1500

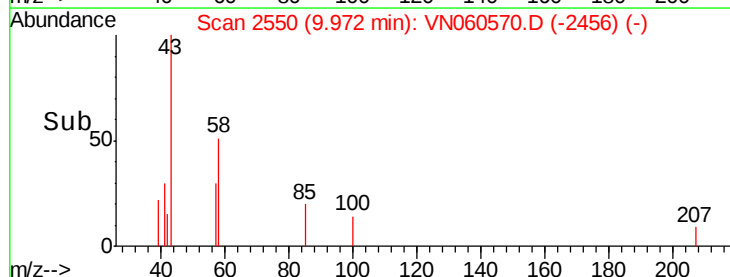
1000

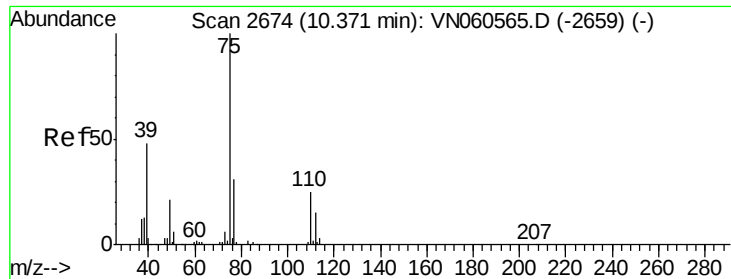
500

0

9.95 10.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.266 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

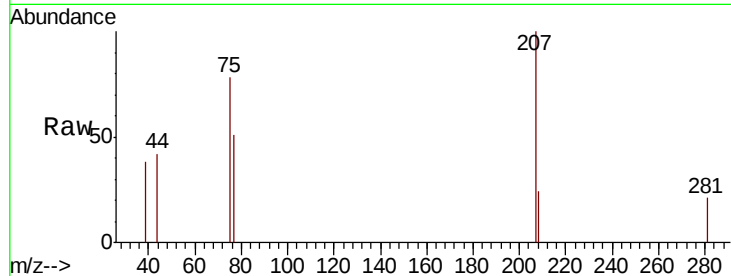
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 75 Resp: 1036

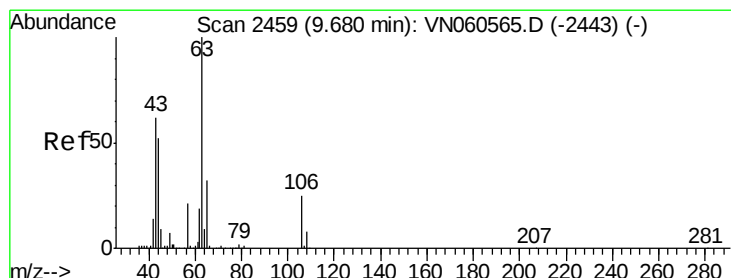
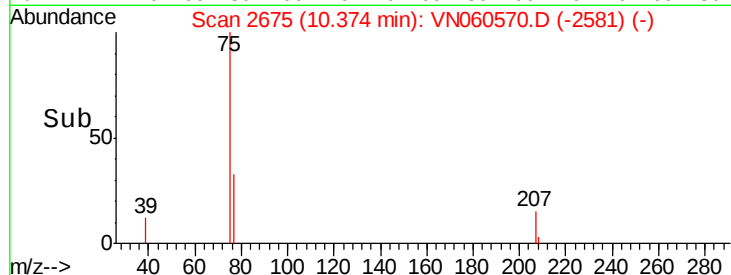
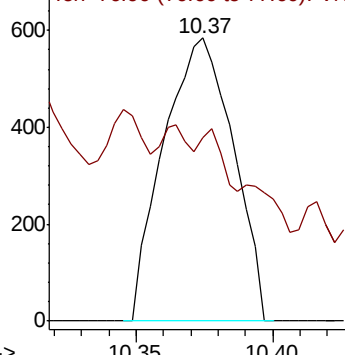
Ion Ratio Lower Upper

75 100

77 21.6 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060570.D (-2581) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.907 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN060570.D

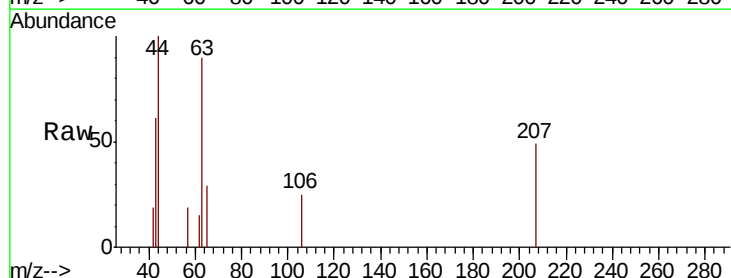
Acq: 17 Mar 2020 21:51

Tgt Ion: 63 Resp: 1668

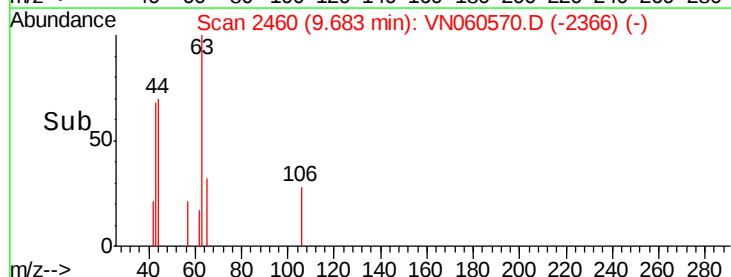
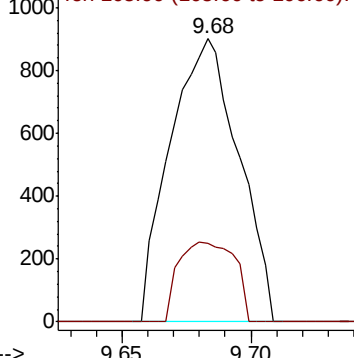
Ion Ratio Lower Upper

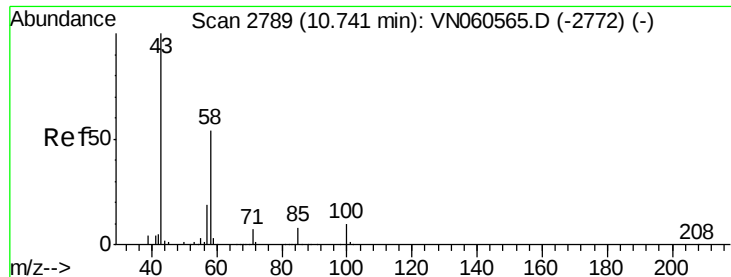
63 100

106 23.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060570.D (-2366) (-)

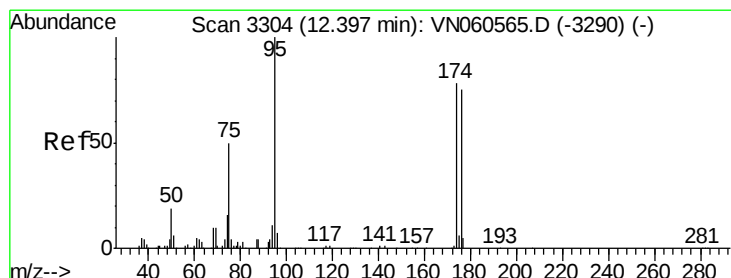
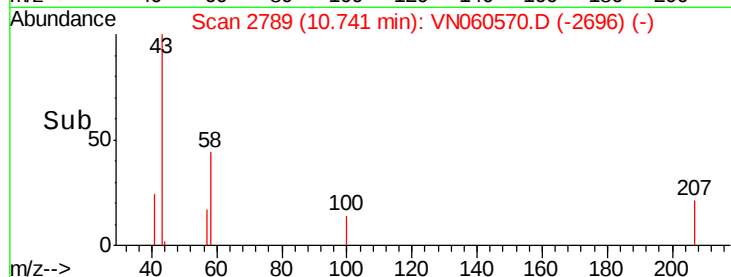
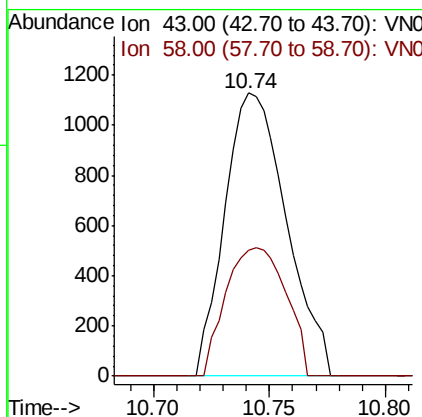
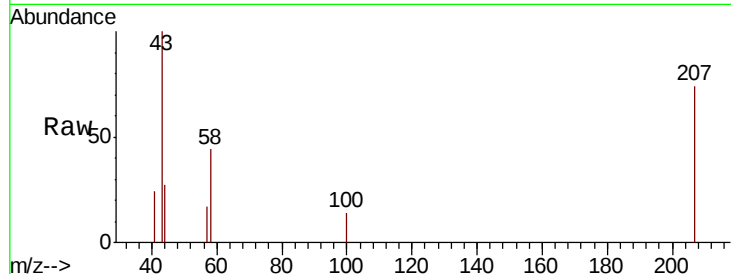




#59
2-Hexanone
Concen: 0.844 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

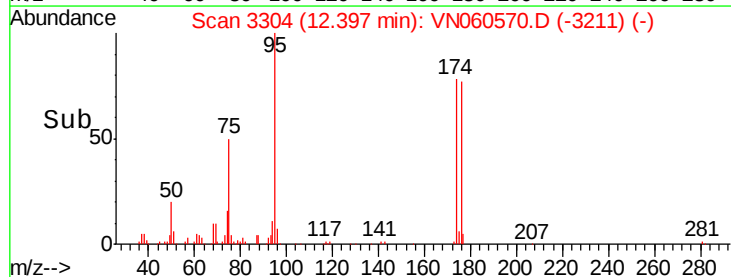
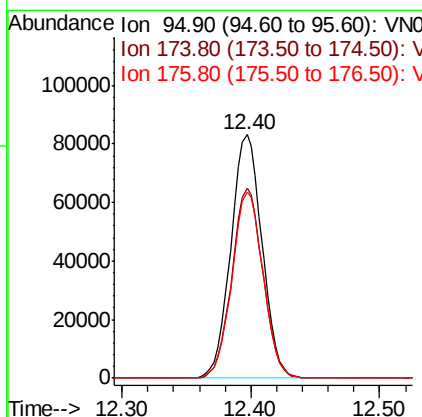
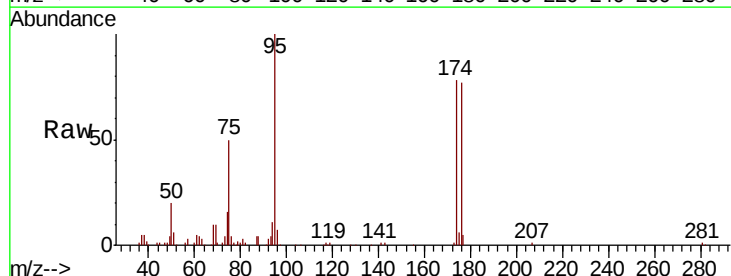
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

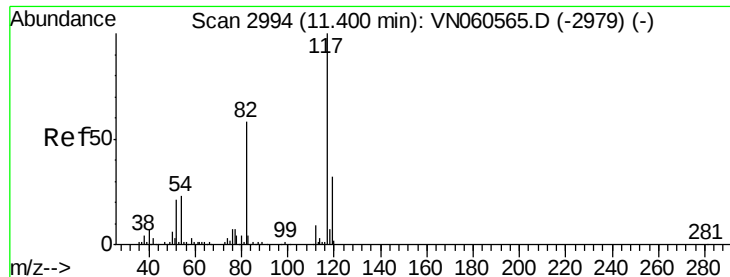
Tot Ion: 43 Resp: 2086
Ion Ratio Lower Upper
43 100
58 44.3 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 44.167 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 95 Resp: 139631
Ion Ratio Lower Upper
95 100
174 77.4 0.0 157.6
176 76.2 0.0 150.6

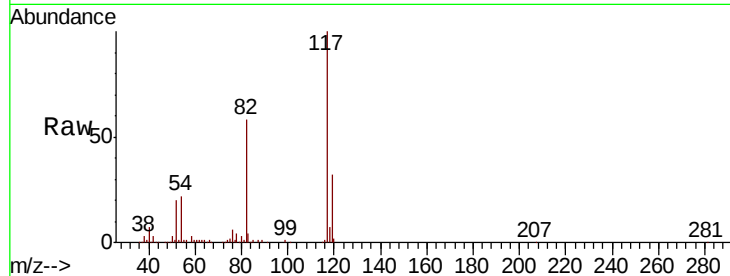




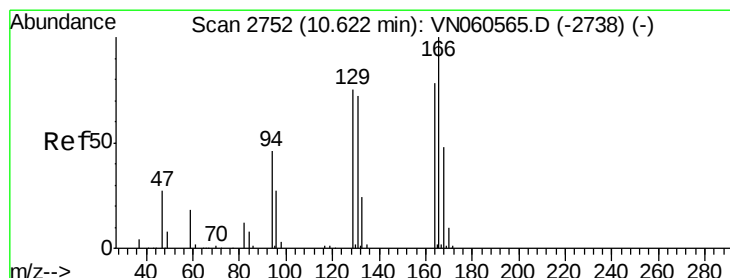
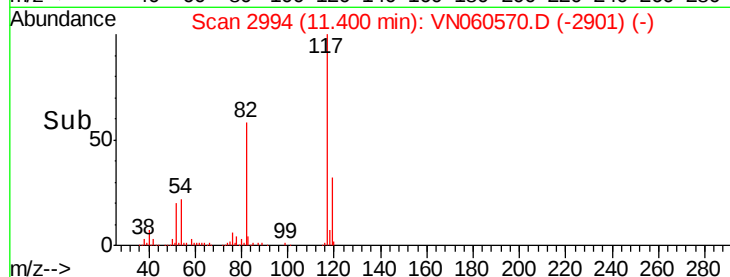
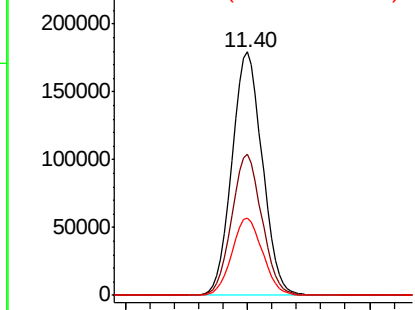
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:117 Resp: 311024
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 31.7 25.5 38.3

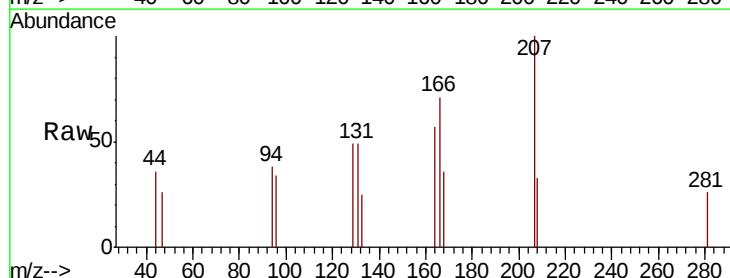


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

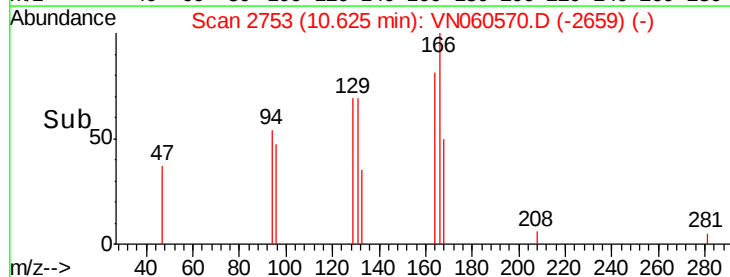
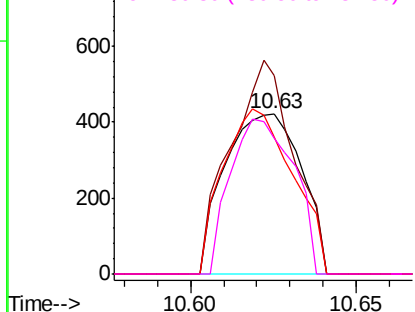


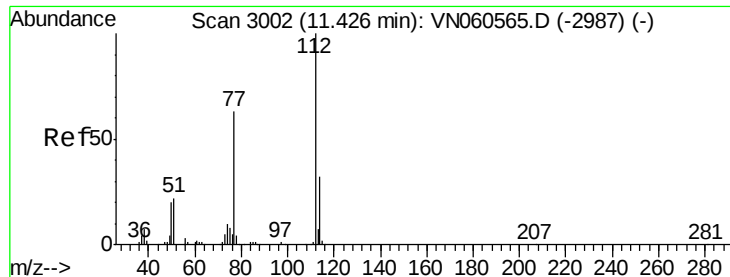
#64
Tetrachloroethene
Concen: 0.278 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Tgt Ion:164 Resp: 681
Ion Ratio Lower Upper
164 100
166 123.9 102.7 154.1
129 85.8 77.2 115.8
131 85.1 73.8 110.6



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

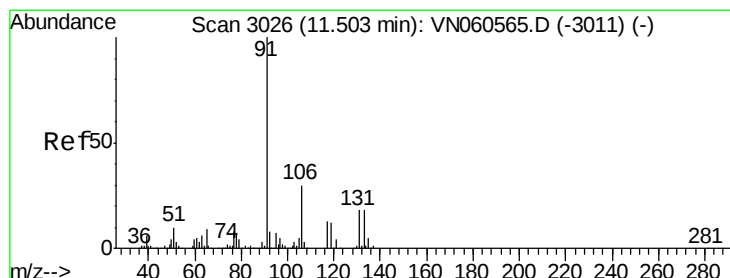
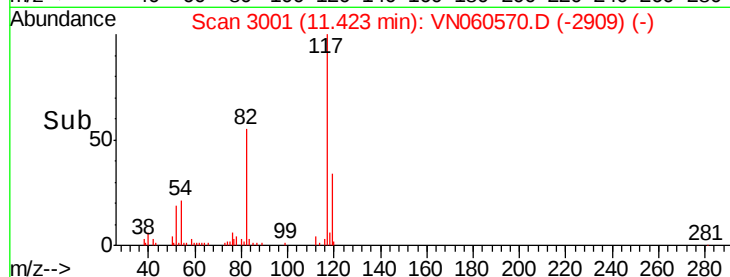
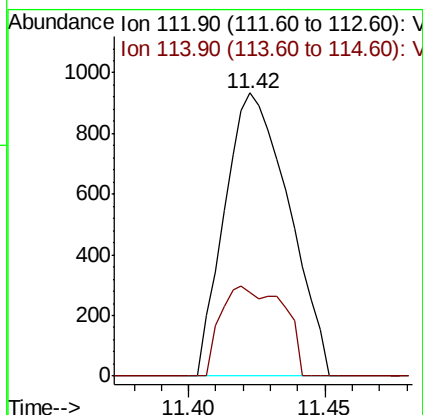
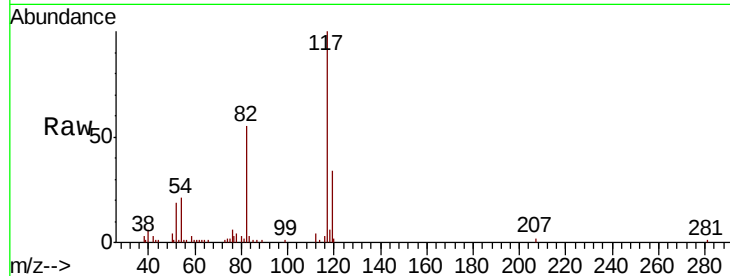




#65
Chlorobenzene
Concen: 0.248 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

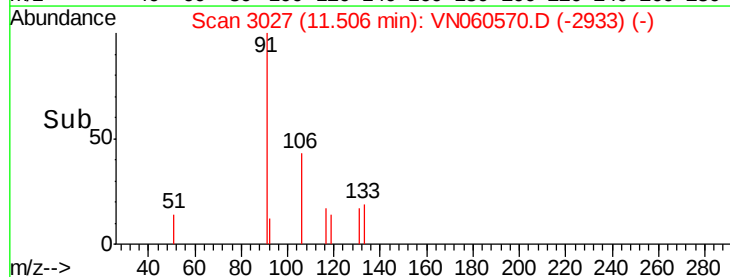
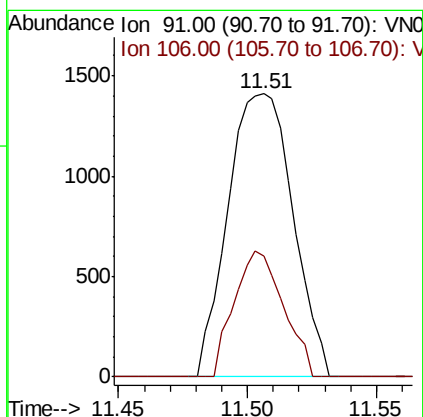
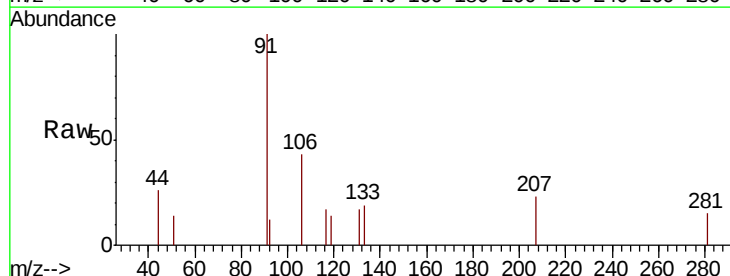
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

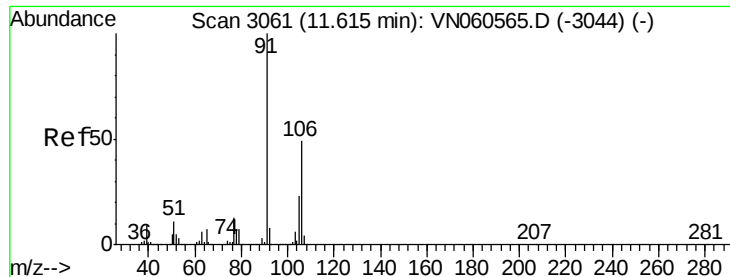
Tot Ion:112 Resp: 1527
Ion Ratio Lower Upper
112 100
114 29.4 25.8 38.6



#67
Ethyl Benzene
Concen: 0.216 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 91 Resp: 2472
Ion Ratio Lower Upper
91 100
106 42.6 24.2 36.2#

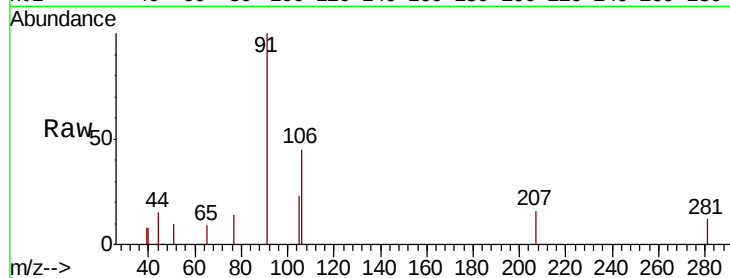




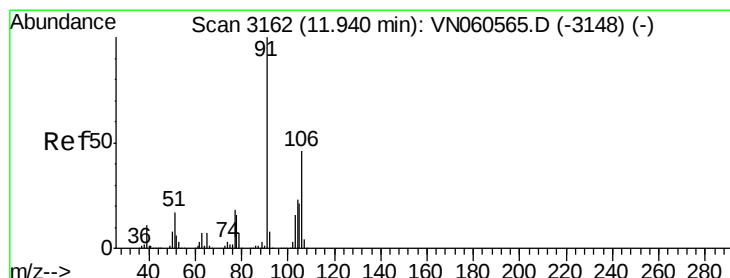
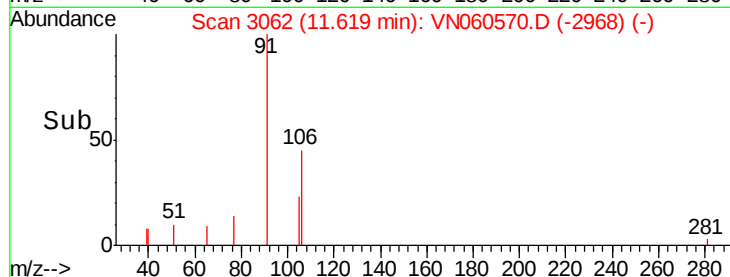
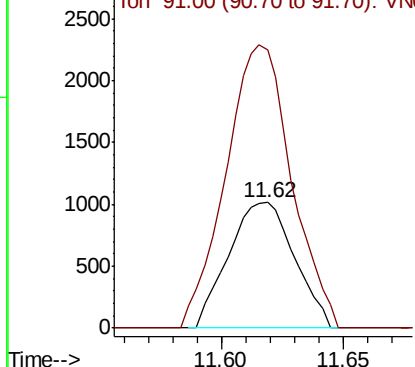
#68
m/p-Xylenes
Concen: 0.445 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:106 Resp: 1895
Ion Ratio Lower Upper
106 100
91 225.4 165.0 247.4

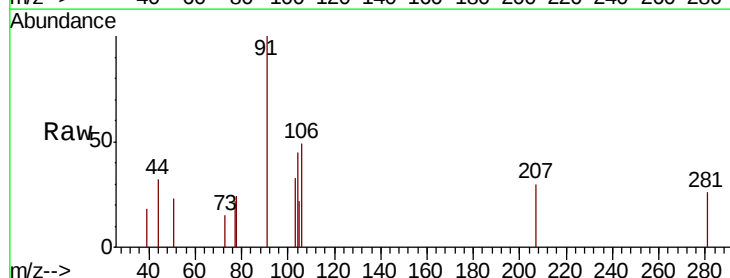


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

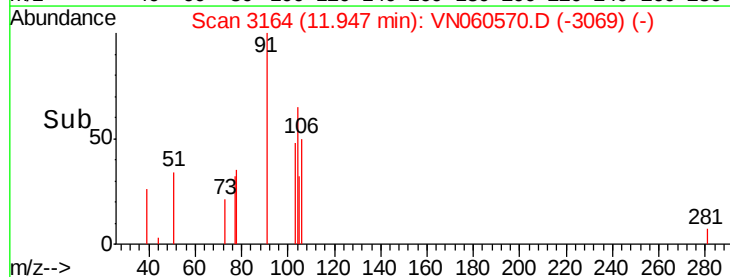
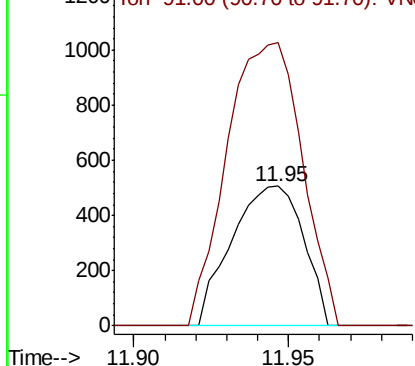


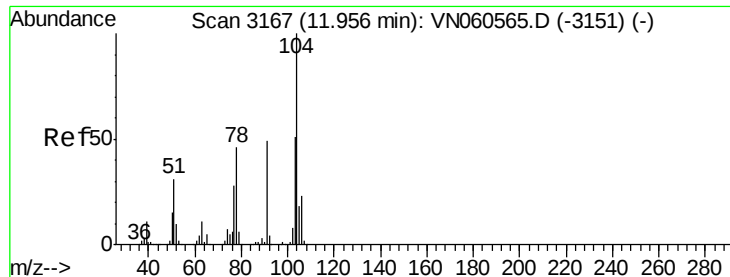
#69
o-Xylene
Concen: 0.201 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.01 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Tgt Ion:106 Resp: 818
Ion Ratio Lower Upper
106 100
91 212.3 109.5 328.4



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





#70

Stvrene

Concen: 0.222 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

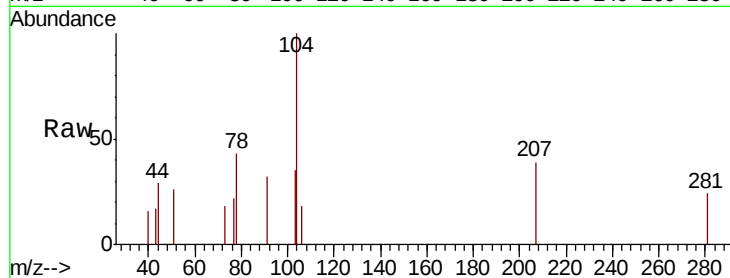
Tot Ion:104 Resp: 1476

Ion Ratio Lower Upper

104 100

78 44.1 41.2 61.8

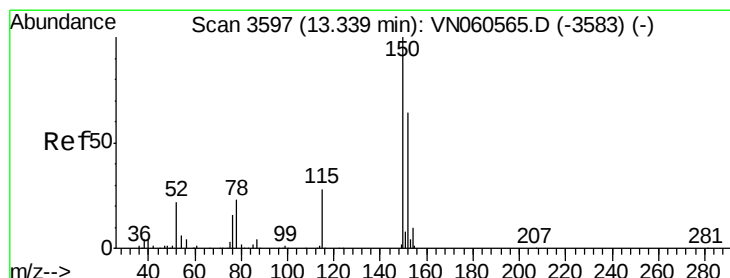
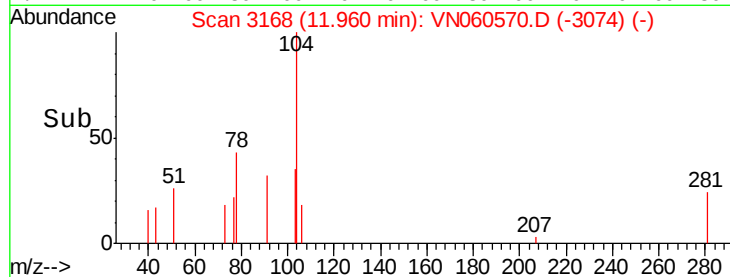
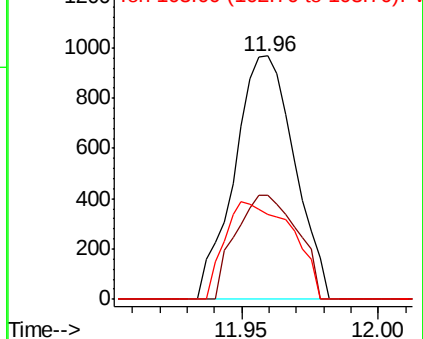
103 45.2 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

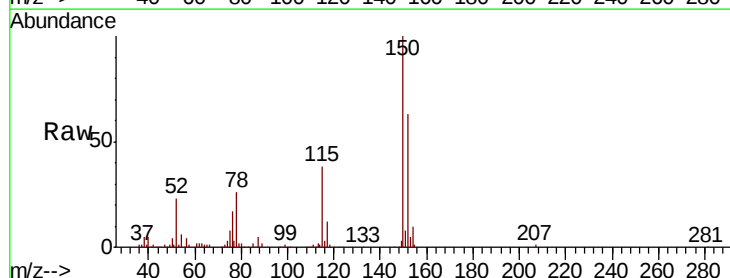
Tgt Ion:152 Resp: 133094

Ion Ratio Lower Upper

152 100

115 59.8 30.2 90.6

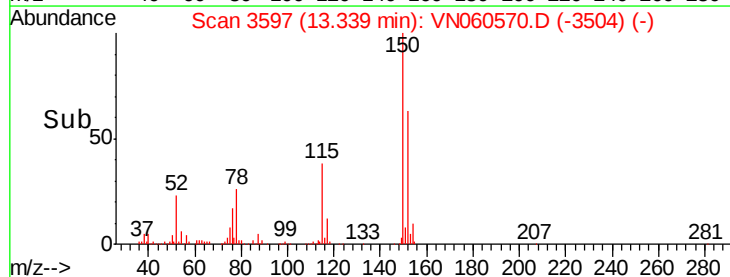
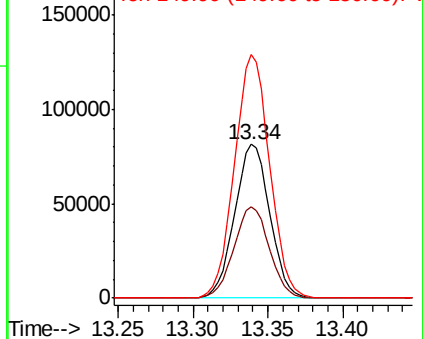
150 158.6 0.0 350.2

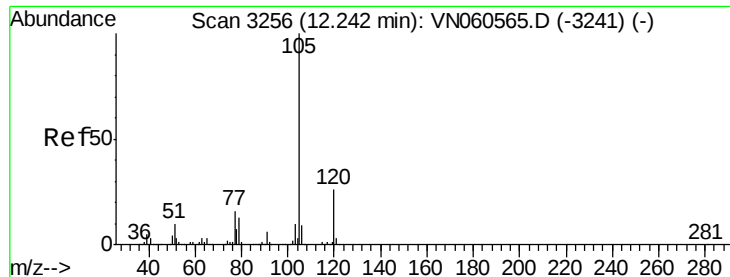


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.220 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

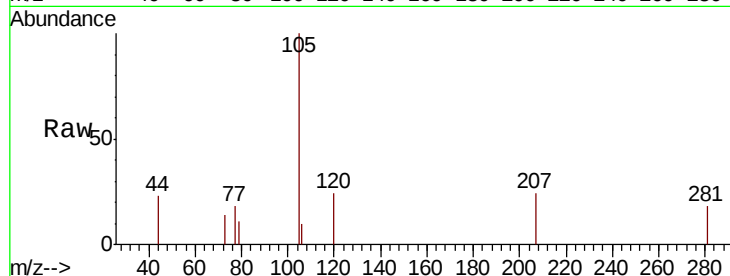
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 105 Resp: 2196

Ion Ratio Lower Upper

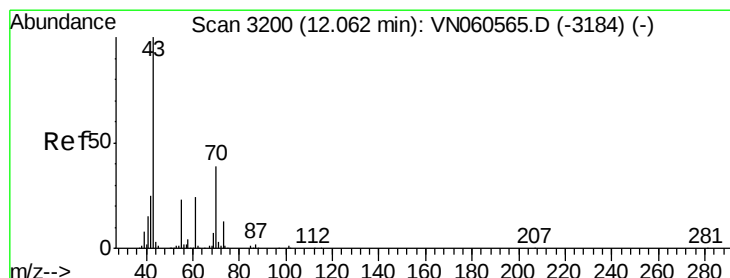
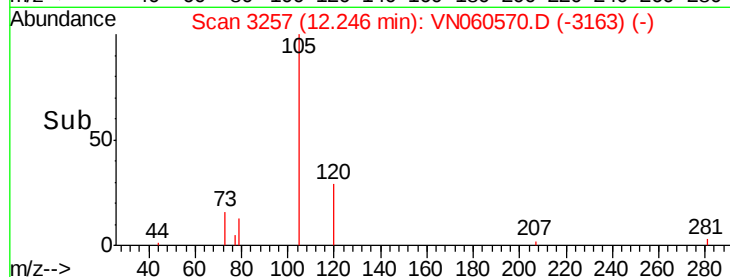
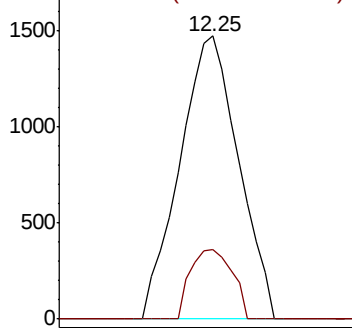
105 100

120 17.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.249 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Tgt Ion: 43 Resp: 1151

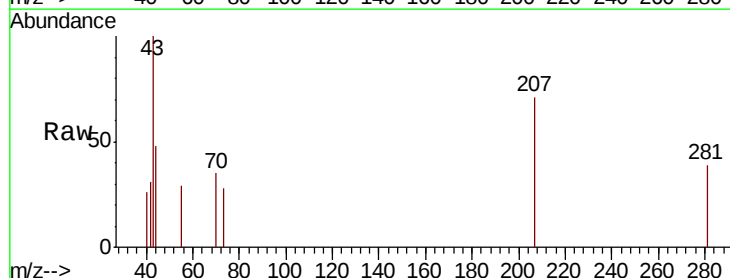
Ion Ratio Lower Upper

43 100

70 15.5 31.1 46.7#

55 5.7 18.6 27.8#

61 0.0 18.9 28.3#

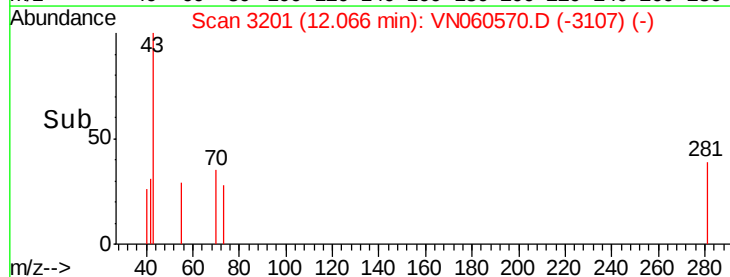
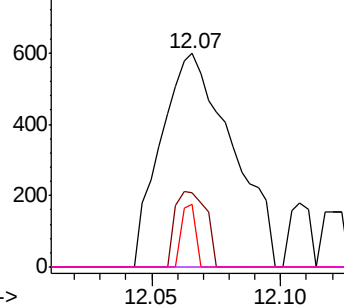


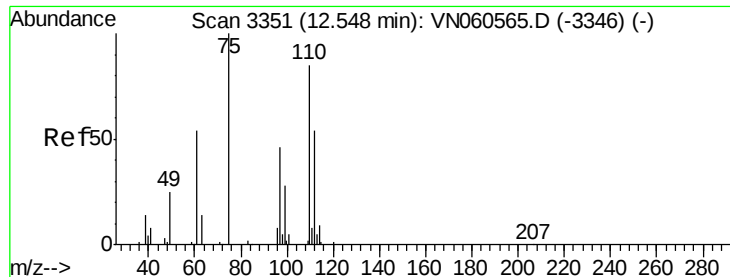
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 24.399 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

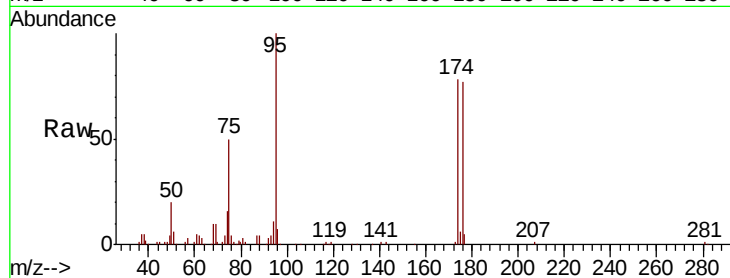
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 75 Resp: 70070

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060565.D (-3346) (-)

12.40

40000

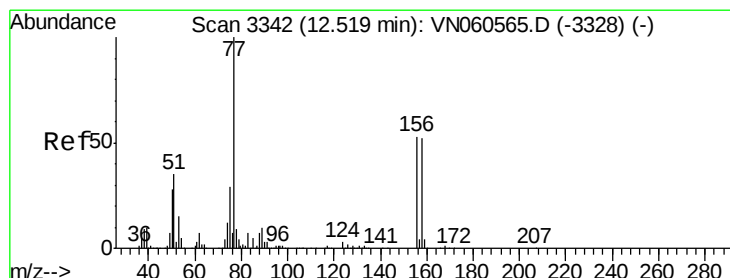
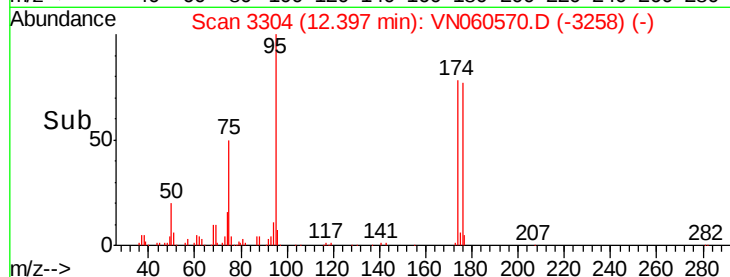
30000

20000

10000

0

Time-->



#77

Bromobenzene

Concen: 0.257 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

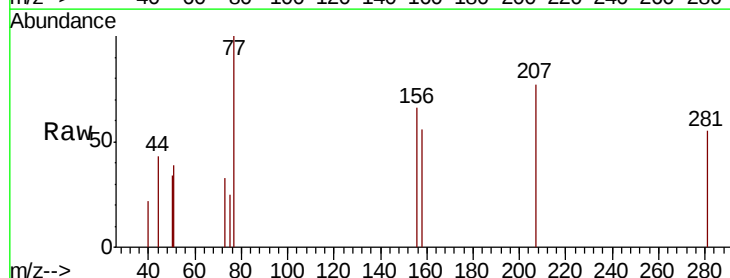
Tgt Ion: 156 Resp: 618

Ion Ratio Lower Upper

156 100

77 233.7 112.3 337.0

158 91.9 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): VN060565.D (-3328) (-)

Ion 77.00 (76.70 to 77.70): VN060565.D (-3328) (-)

Ion 157.80 (157.50 to 158.50): VN060565.D (-3328) (-)

12.52

800

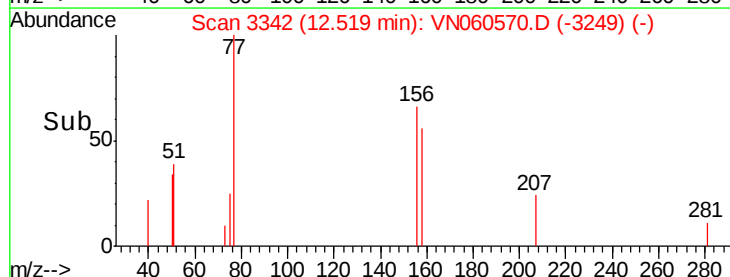
600

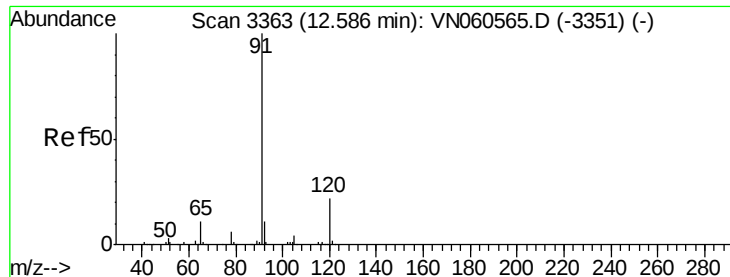
400

200

0

Time-->





#78

n-propylbenzene

Concen: 0.283 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

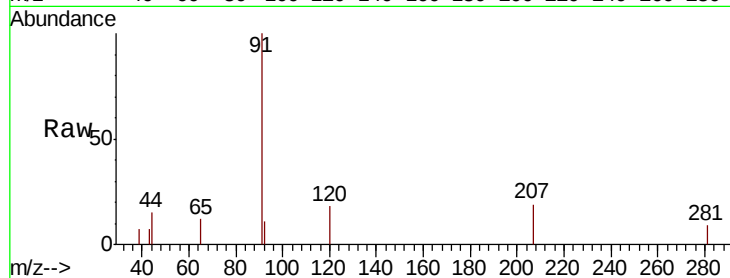
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 3342

Ion Ratio Lower Upper

91 100

120 16.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3351) (-)

12.59

2500

2000

1500

1000

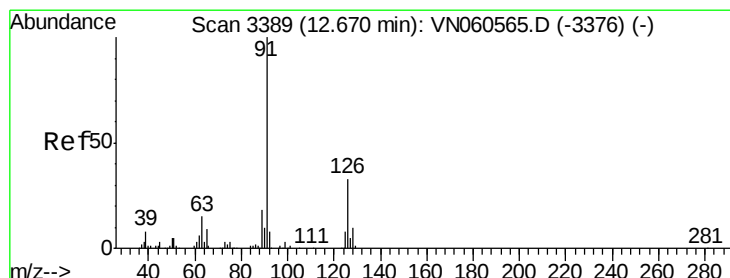
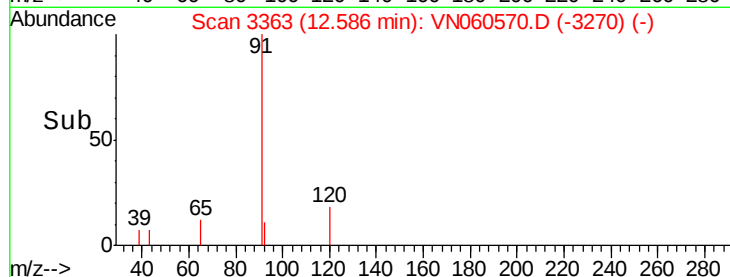
500

0

12.55

12.60

Time-->



#79

2-Chlorotoluene

Concen: 0.254 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060570.D

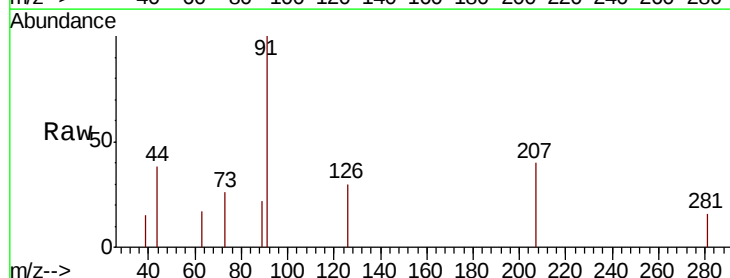
Acq: 17 Mar 2020 21:51

Tgt Ion: 91 Resp: 1792

Ion Ratio Lower Upper

91 100

126 24.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

12.67

1200

1000

800

600

400

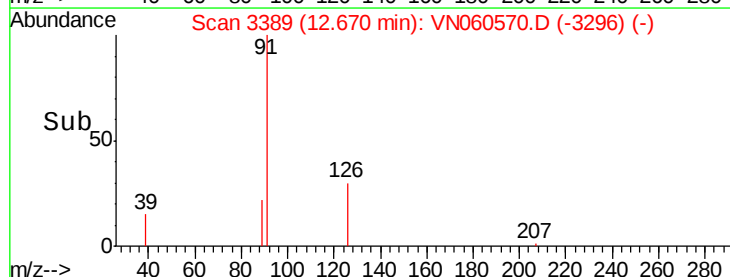
200

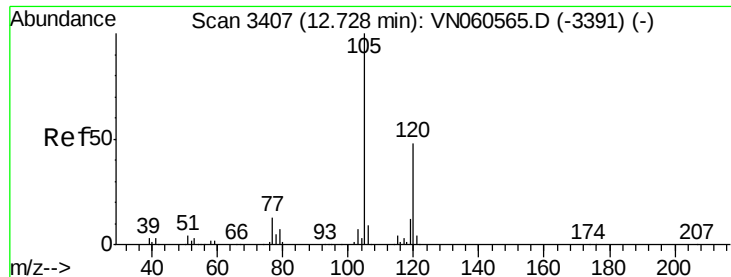
0

12.65

12.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.233 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

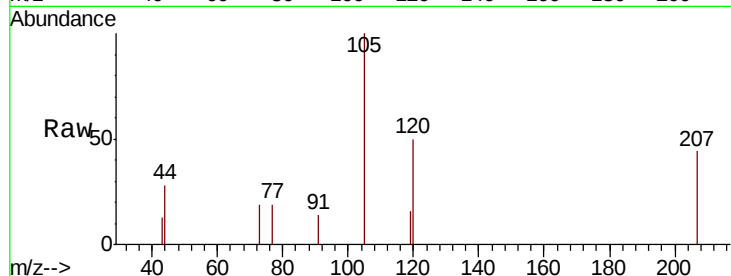
LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 1977

Ion Ratio Lower Upper

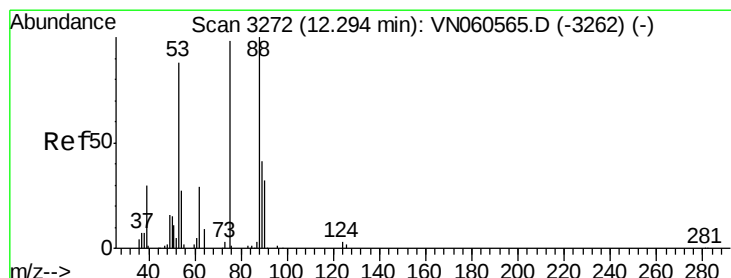
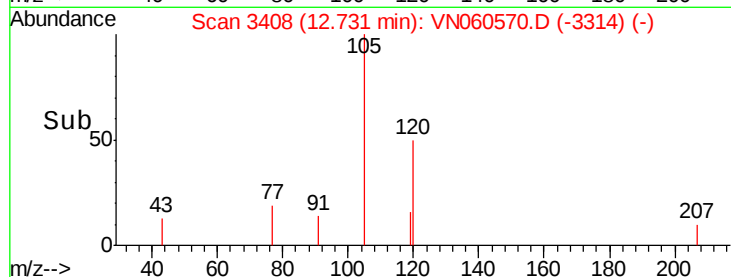
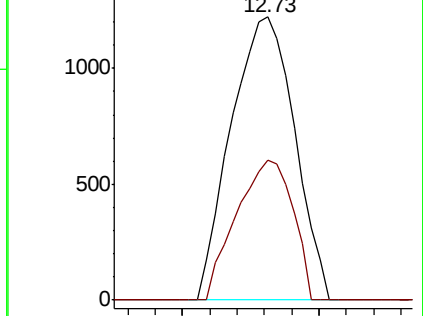
105 100

120 44.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 62.663 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

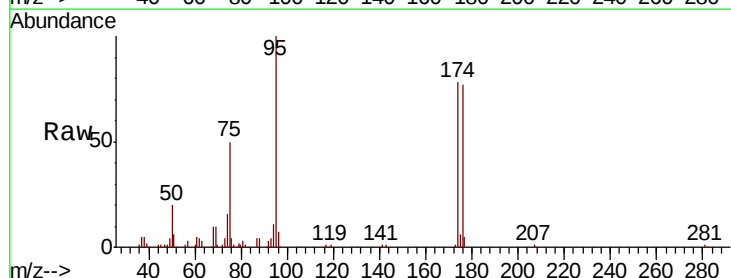
Tgt Ion: 75 Resp: 70070

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

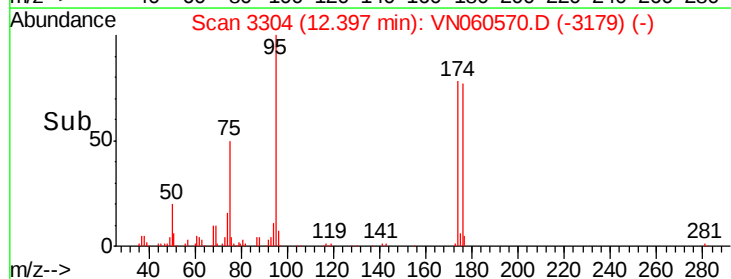
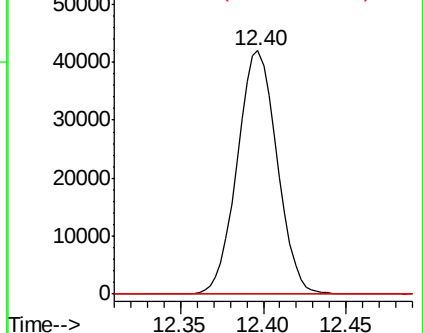
89 0.0 34.8 52.2#

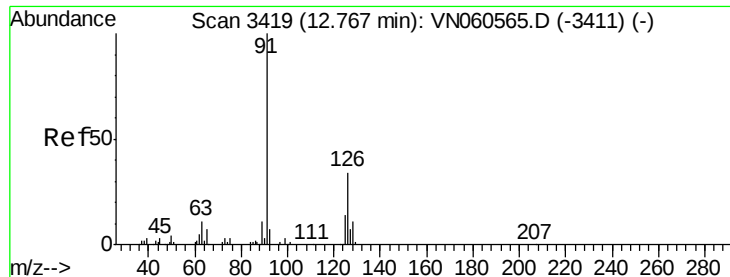


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

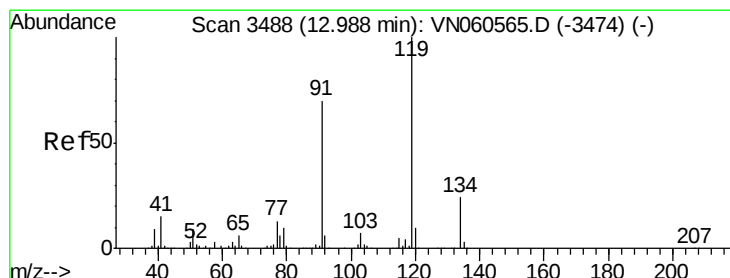
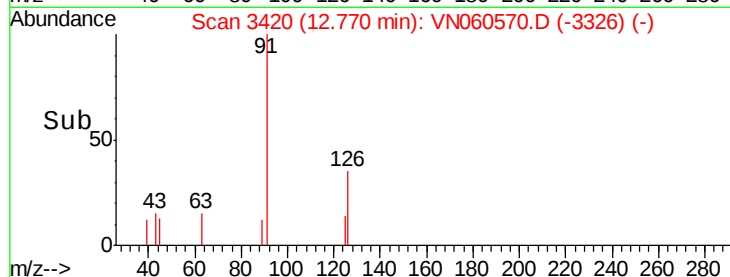
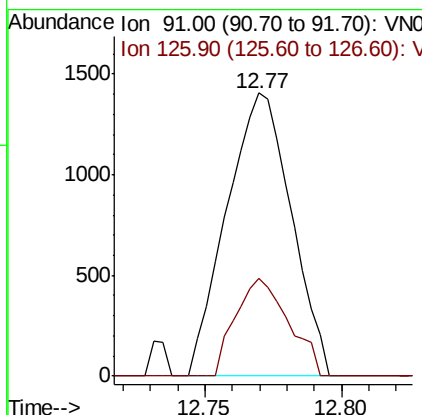
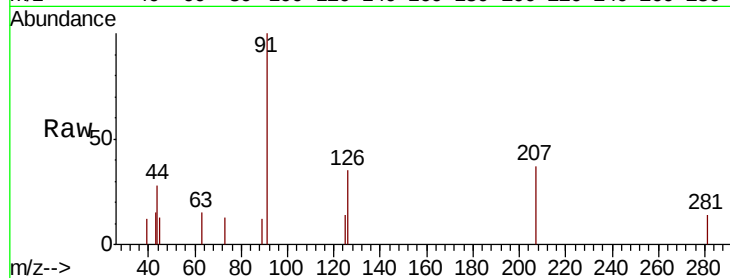




#82
4-Chlorotoluene
Concen: 0.322 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

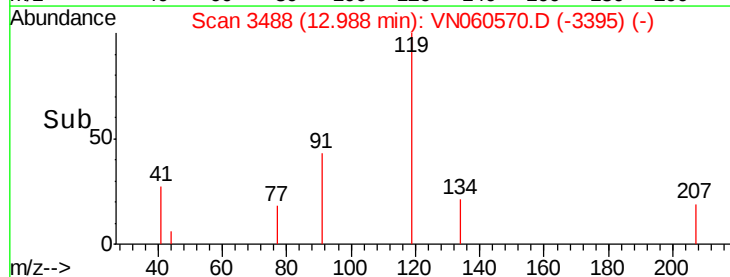
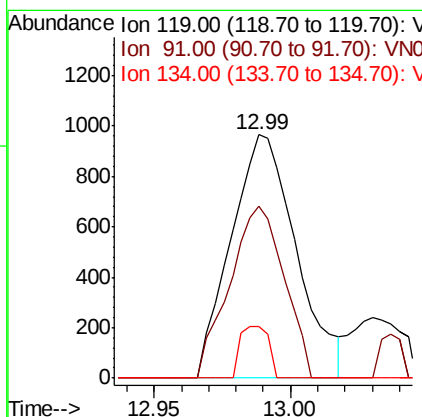
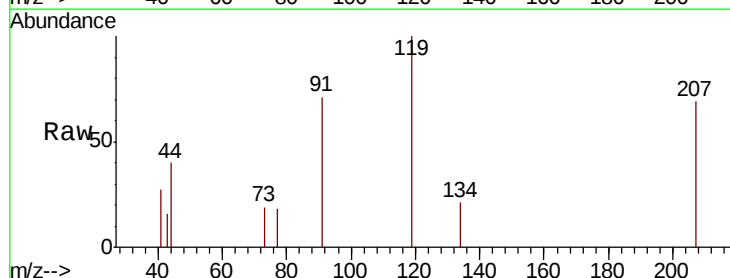
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

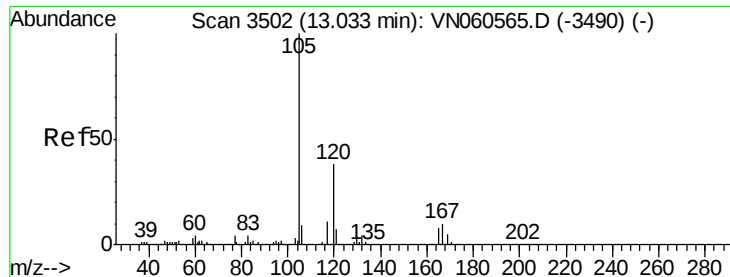
Tot Ion: 91 Resp: 2310
Ion Ratio Lower Upper
91 100
126 28.5 16.2 48.5



#83
tert-Butylbenzene
Concen: 0.227 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060570.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 119 Resp: 1597
Ion Ratio Lower Upper
119 100
91 59.2 34.0 101.8
134 9.2 12.7 38.0#

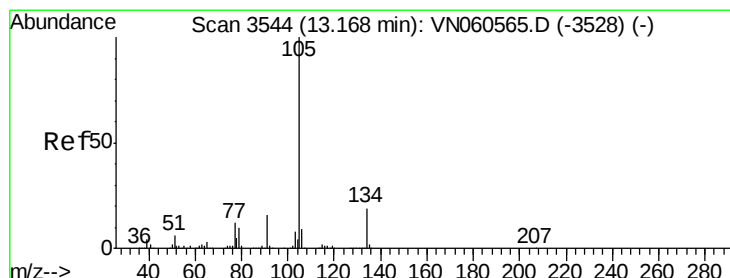
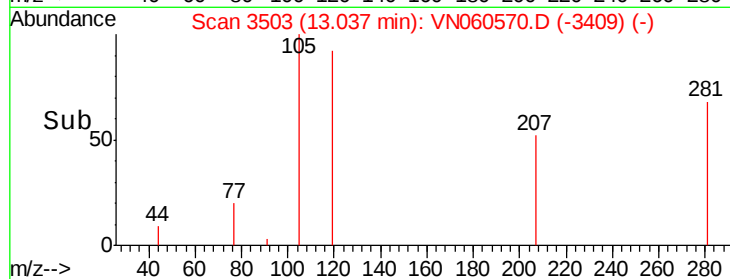
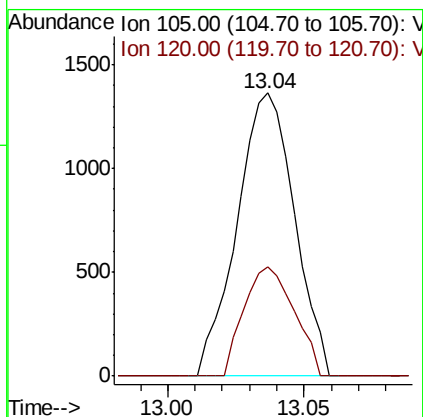
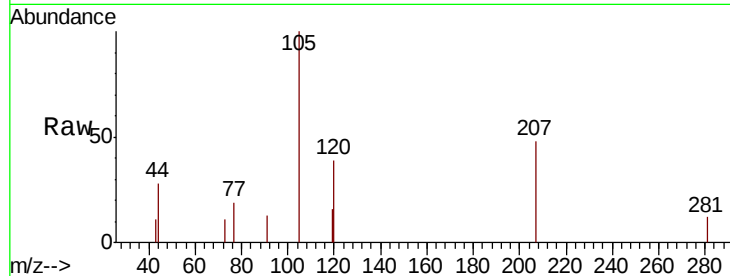




#84
 1,2,4-Trimethylbenzene
 Concen: 0.237 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

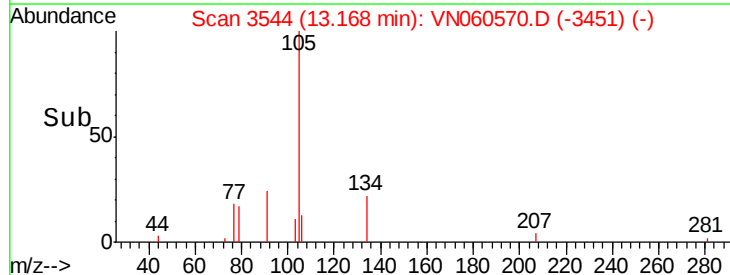
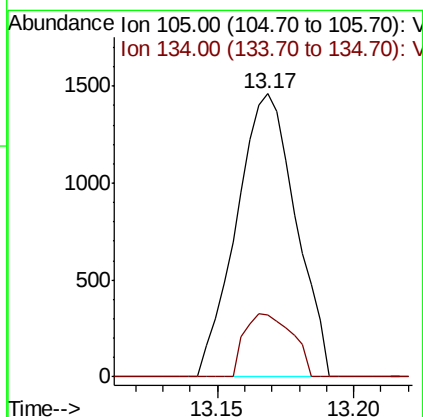
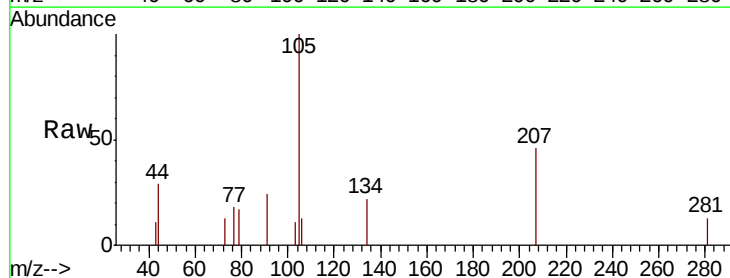
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

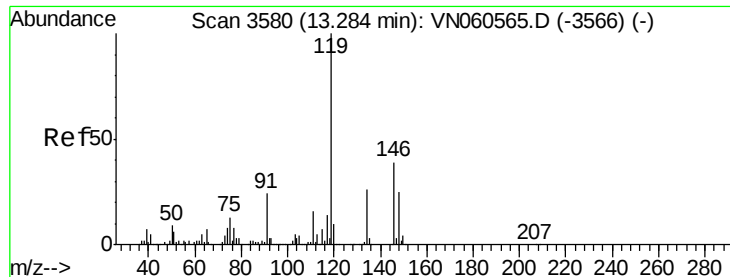
Tot Ion:105 Resp: 1991
 Ion Ratio Lower Upper
 105 100
 120 33.7 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 0.233 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Tgt Ion:105 Resp: 2203
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.6 28.8

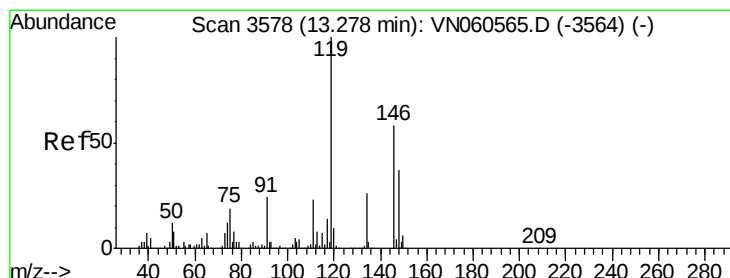
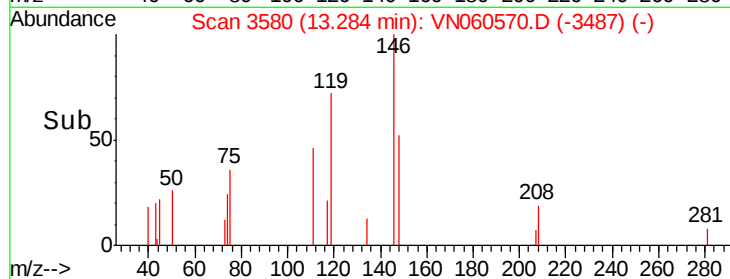
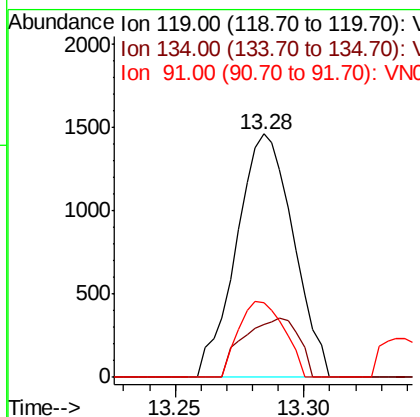
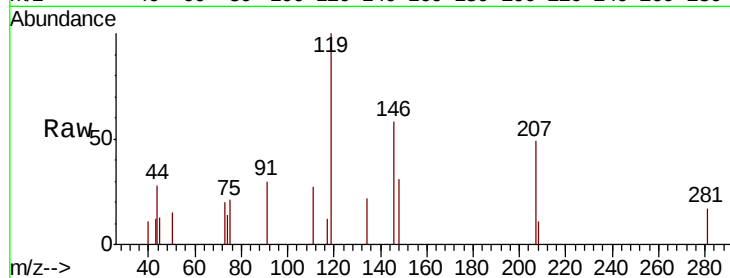




#86
 p-Isopropyltoluene
 Concen: 0.265 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

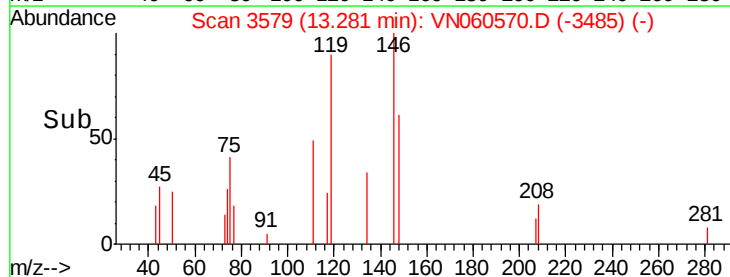
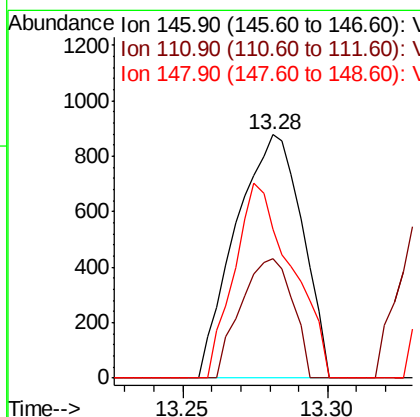
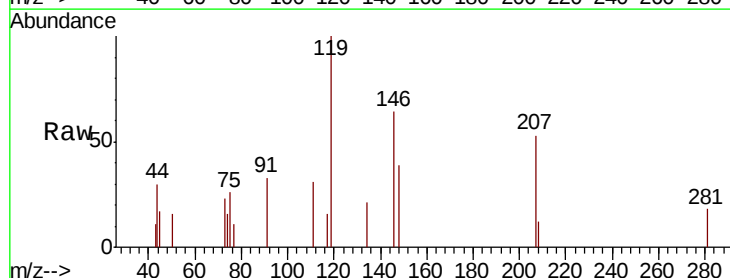
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

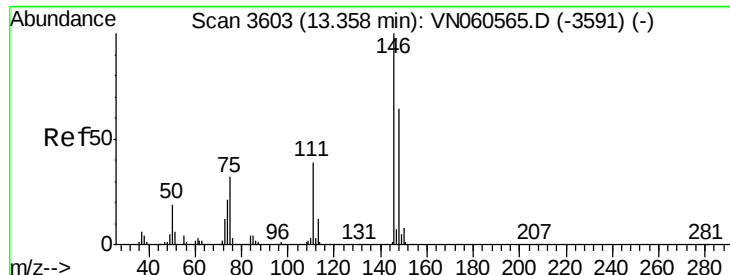
Tot Ion	Ratio	Lower	Upper
119	100		
134	23.5	13.0	39.0
91	24.9	12.0	36.0



#87
 1,3-Dichlorobenzene
 Concen: 0.330 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	60.8
148	68.9	32.5	97.4

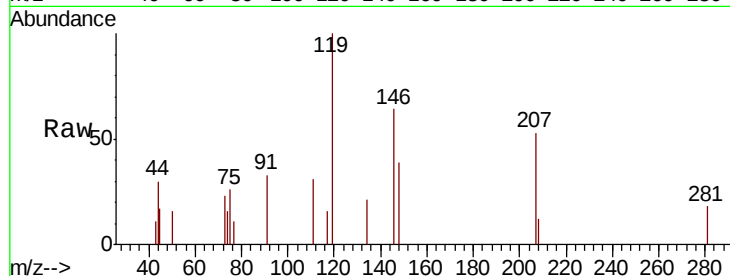




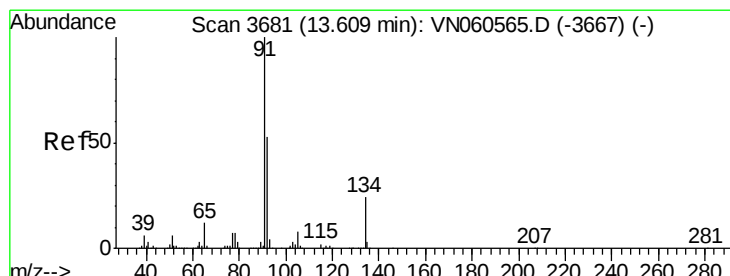
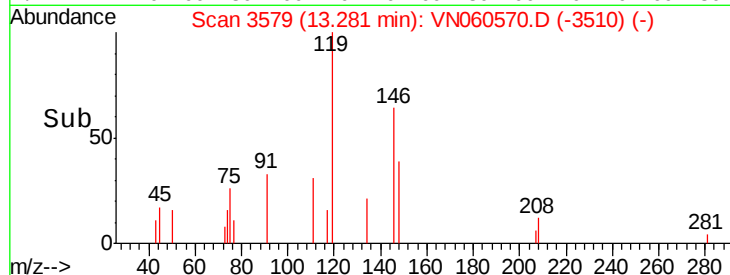
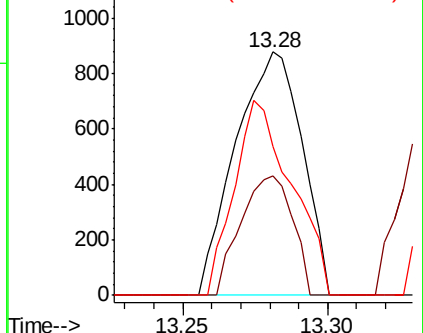
#88
 1,4-Dichlorobenzene
 Concen: 0.328 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion:146 Resp: 1399
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.7
 148 68.9 32.1 96.3

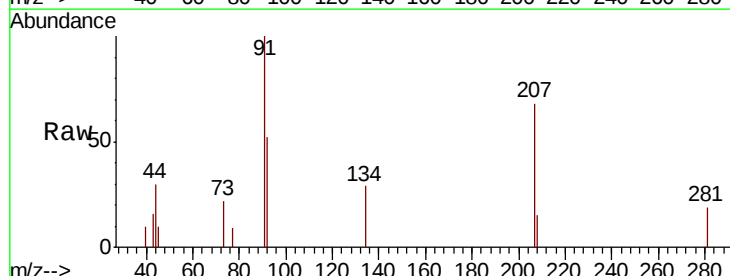


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

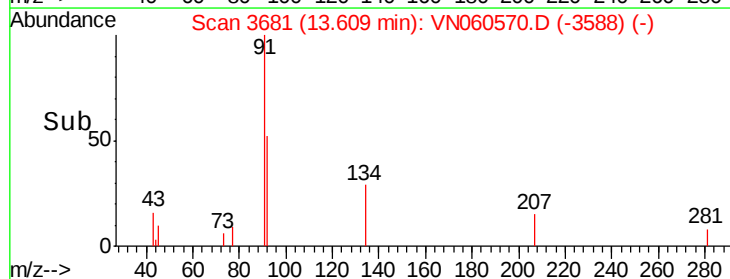
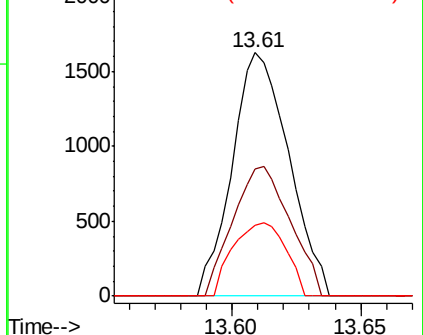


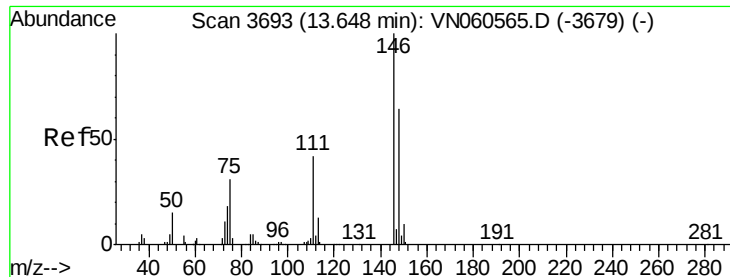
#89
 n-Butylbenzene
 Concen: 0.325 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Tgt Ion: 91 Resp: 2491
 Ion Ratio Lower Upper
 91 100
 92 53.8 26.2 78.5
 134 28.0 12.3 36.9



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

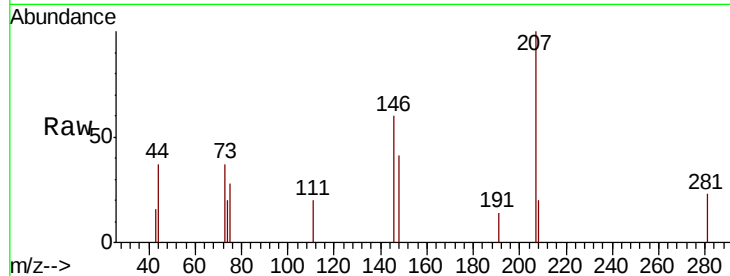




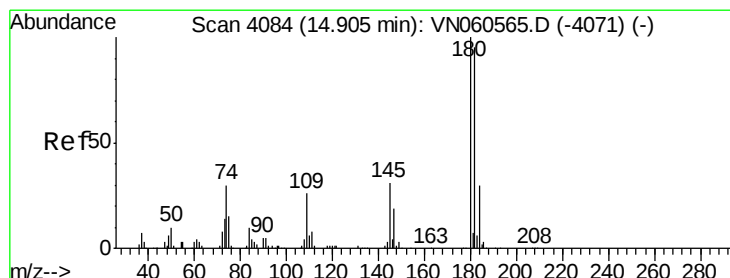
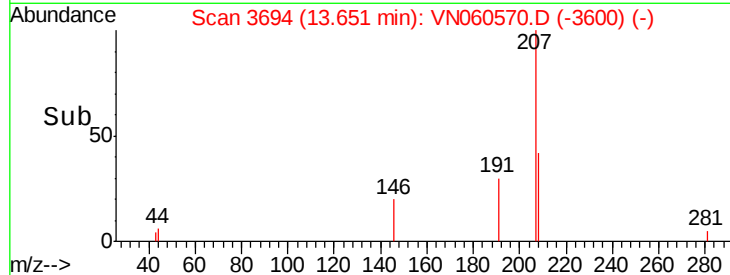
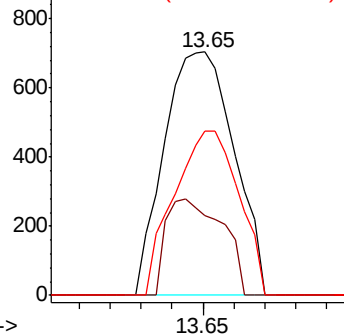
#91
 1,2-Dichlorobenzene
 Concen: 0.273 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	31.9	21.0	63.0
148	63.0	31.9	95.5

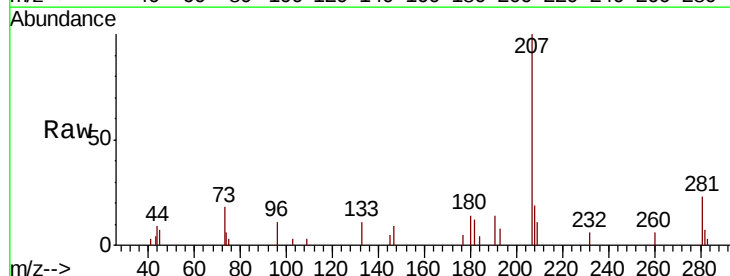


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

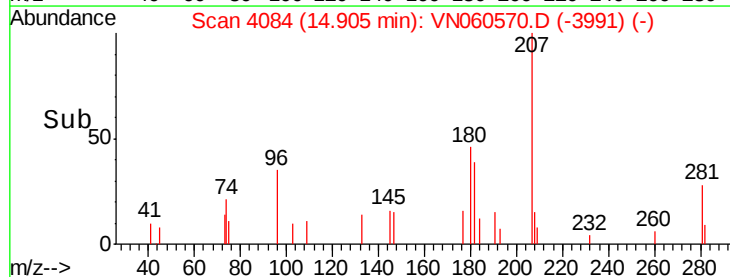
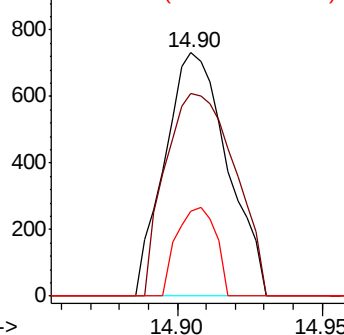


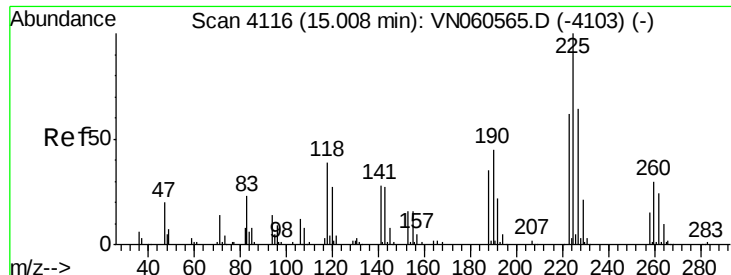
#93
 1,2,4-Trichlorobenzene
 Concen: 0.441 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.8
145	22.8	15.4	46.2



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: 0.390 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

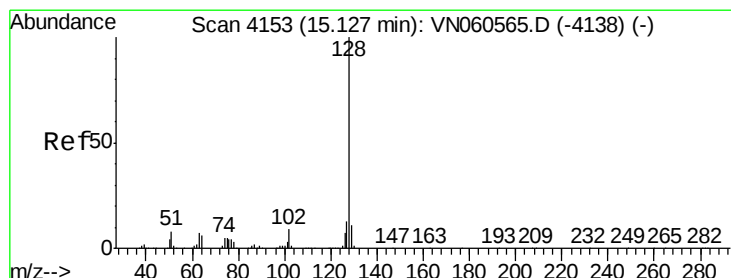
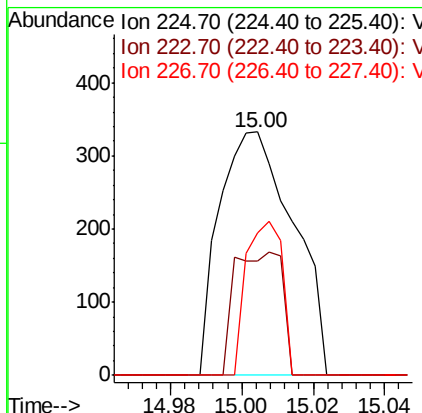
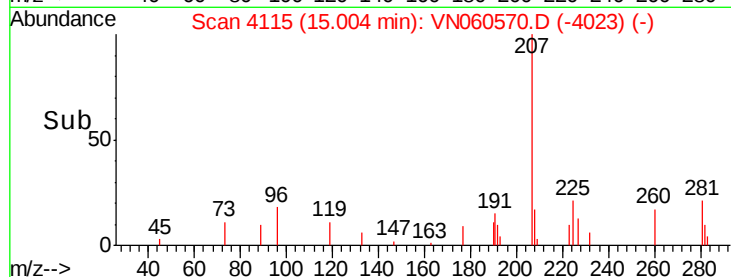
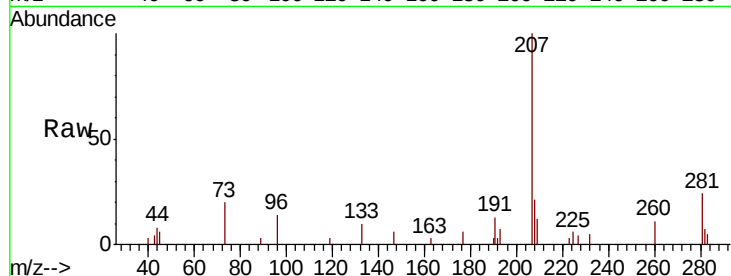
Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	225	Resp:	477
Ion	Ratio	Lower	Upper
225	100		
223	32.7	31.6	95.0
227	30.6	32.3	96.8#



#95

Naphthalene

Concen: 0.396 ug/l

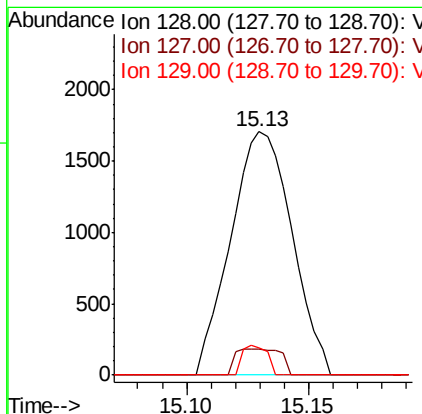
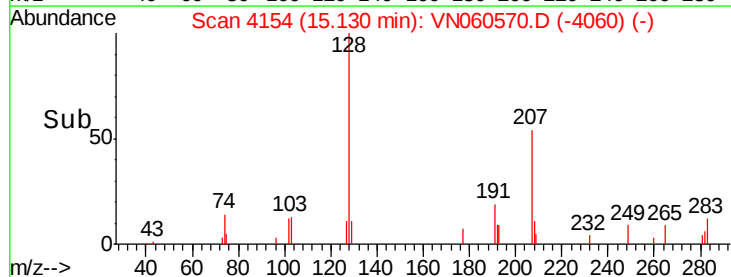
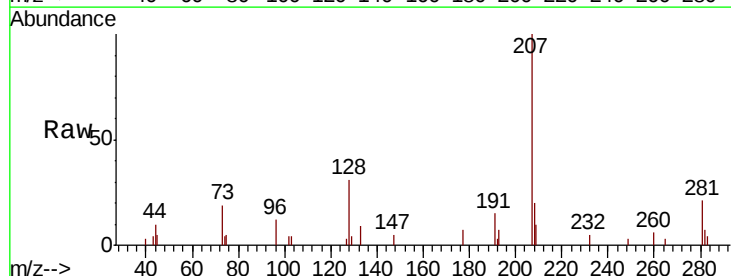
RT: 15.13 min Scan# 4154

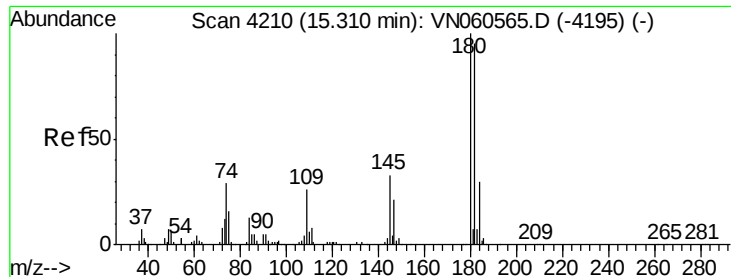
Delta R.T. 0.00 min

Lab File: VN060570.D

Acq: 17 Mar 2020 21:51

Tgt Ion:	128	Resp:	2972
Ion	Ratio	Lower	Upper
128	100		
127	7.9	10.2	15.2#
129	4.9	8.8	13.2#

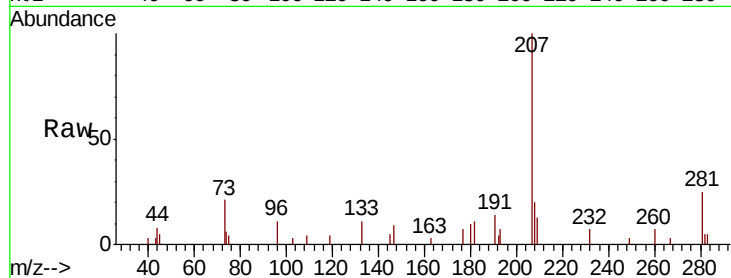




#96
 1,2,3-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060570.D
 Acq: 17 Mar 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.5	142.6
145	28.7	16.3	48.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

