

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060573.D
 Acq On : 17 Mar 2020 22:59
 Operator : JC/MD
 Sample : L1161-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Mar 18 09:05:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	357250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139209	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	140811	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	7.57	113	103761	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.08	98	413459	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	12.40	95	143228	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4939	2.422	ug/l	95
3) Chloromethane	2.04	50	9346	2.454	ug/l	97
4) Vinyl Chloride	2.16	62	7094	2.381	ug/l	98
5) Bromomethane	2.55	94	3473	2.701	ug/l	97
6) Chloroethane	2.69	64	4345	2.532	ug/l	100
7) Trichlorofluoromethane	3.00	101	9586	2.612	ug/l	94
8) Diethyl Ether	3.38	74	3972	2.694	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	5493	2.583	ug/l	99
10) Methyl Iodide	3.93	142	4657	2.461	ug/l #	97
11) Tert butyl alcohol	4.73	59	5235	12.303	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	6076	2.663	ug/l	92
13) Acrolein	3.58	56	4938	10.471	ug/l	97
14) Allyl chloride	4.29	41	10191	2.539	ug/l	99
15) Acrylonitrile	4.96	53	14093	11.264	ug/l	99
16) Acetone	3.79	43	12568	12.264	ug/l	96
17) Carbon Disulfide	4.03	76	18296	2.636	ug/l	98
18) Methyl Acetate	4.30	43	7186	2.491	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	20371	2.597	ug/l	95
20) Methylene Chloride	4.53	84	6339	2.514	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	6364	2.617	ug/l	97
22) Diisopropyl ether	5.92	45	21443	2.529	ug/l	93
23) Vinyl Acetate	5.86	43	83935	12.133	ug/l	99
24) 1,1-Dichloroethane	5.82	63	12324	2.666	ug/l #	95
25) 2-Butanone	6.80	43	19852	11.971	ug/l	97
26) 2,2-Dichloropropane	6.79	77	8691	2.390	ug/l	80
27) cis-1,2-Dichloroethene	6.80	96	6981	2.526	ug/l	97
28) Bromochloromethane	7.17	49	5043	2.280	ug/l #	94
29) Tetrahydrofuran	7.18	42	14555	12.405	ug/l	98
30) Chloroform	7.35	83	11106	2.506	ug/l	95
31) Cyclohexane	7.63	56	15347	3.294	ug/l #	67
32) 1,1,1-Trichloroethane	7.55	97	9703	2.540	ug/l	99
36) 1,1-Dichloropropene	7.77	75	8791	2.541	ug/l	99
37) Ethyl Acetate	6.91	43	8186	2.190	ug/l #	94
38) Carbon Tetrachloride	7.75	117	7714	2.488	ug/l	95

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

39) Methylcyclohexane	9.07	83	10714	2.606	ug/l	96
40) Benzene	8.02	78	26480	2.536	ug/l	98
41) Methacrylonitrile	7.15	41	4281	2.684	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	8993	2.520	ug/l	96
43) Isopropyl Acetate	8.14	43	15009	2.435	ug/l	99
44) Trichloroethene	8.82	130	6738	2.560	ug/l	99
45) 1,2-Dichloropropane	9.10	63	6963	2.527	ug/l	96
46) Dibromomethane	9.19	93	4357	2.615	ug/l	98
47) Bromodichloromethane	9.39	83	8721	2.519	ug/l	98
48) Methyl methacrylate	9.18	41	6510	2.372	ug/l	93
49) 1,4-Dioxane	9.18	88	1471	45.092	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	41819	11.922	ug/l	99
52) Toluene	10.14	92	15897	2.521	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	10023	2.521	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	10708	2.455	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	5989	2.468	ug/l	97
56) Ethyl methacrylate	10.42	69	8155	2.156	ug/l	95
57) 1,3-Dichloropropane	10.70	76	10764	2.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	20350	10.823	ug/l	99
59) 2-Hexanone	10.74	43	28286	11.194	ug/l	98
60) Dibromochloromethane	10.89	129	6030	2.406	ug/l	100
61) 1,2-Dibromoethane	11.00	107	6008	2.463	ug/l	98
64) Tetrachloroethene	10.62	164	7383	2.959	ug/l	92
65) Chlorobenzene	11.43	112	16223	2.581	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	5680	2.496	ug/l	98
67) Ethyl Benzene	11.50	91	30226	2.586	ug/l	99
68) m/p-Xylenes	11.61	106	21698	4.995	ug/l	97
69) o-Xylene	11.94	106	10836	2.613	ug/l	97
70) Styrene	11.96	104	15487	2.284	ug/l	98
71) Bromoform	12.12	173	3882	2.286	ug/l #	98
73) Isopropylbenzene	12.24	105	27616	2.643	ug/l	100
74) N-amyl acetate	12.07	43	11725	2.429	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	8191	2.593	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	10760	3.582	ug/l #	100
77) Bromobenzene	12.52	156	6785	2.695	ug/l	95
78) n-propylbenzene	12.59	91	33121	2.683	ug/l	100
79) 2-Chlorotoluene	12.67	91	19743	2.677	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	23330	2.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	2655	2.270	ug/l	98
82) 4-Chlorotoluene	12.77	91	19657	2.617	ug/l	100
83) tert-Butylbenzene	12.99	119	19648	2.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	22929	2.614	ug/l	98
85) sec-Butylbenzene	13.17	105	26065	2.637	ug/l	98
86) p-Isopropyltoluene	13.28	119	22916	2.579	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	11246	2.533	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	11646	2.611	ug/l	89
89) n-Butylbenzene	13.61	91	20107	2.506	ug/l	99
90) Hexachloroethane	13.87	117	2972	2.301	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	11193	2.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1961	2.765	ug/l	74

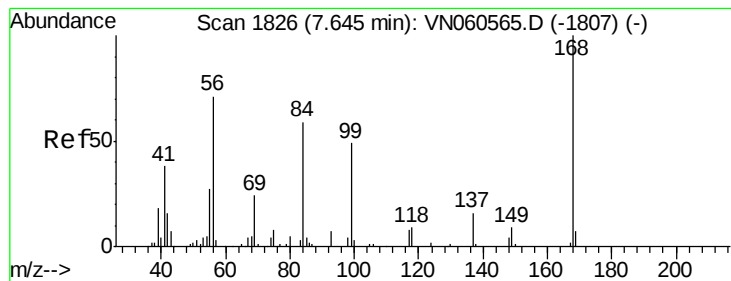
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5901	2.263	ug/l	99
94) Hexachlorobutadiene	15.01	225	3221	2.520	ug/l	98
95) Naphthalene	15.13	128	16539	2.109	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	5886	2.292	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

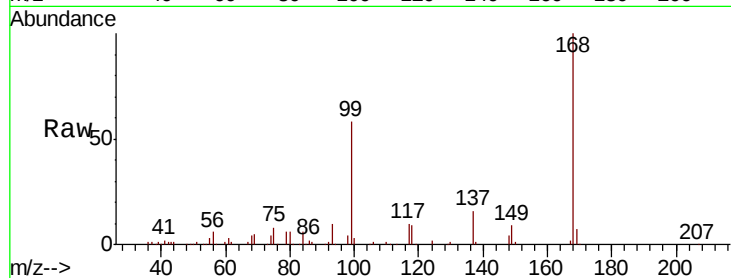
LOD-MDL-WATER-01-QT1-2020

Tot Ion:168 Resp: 210752

Ion Ratio Lower Upper

168 100

99 57.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

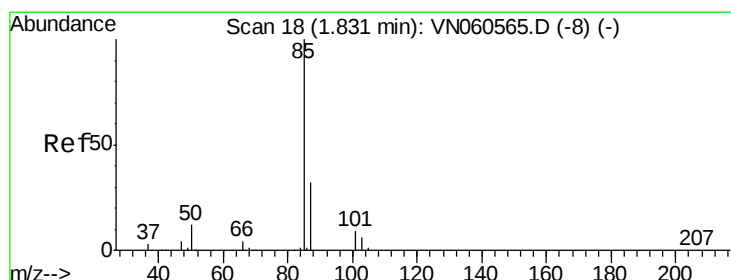
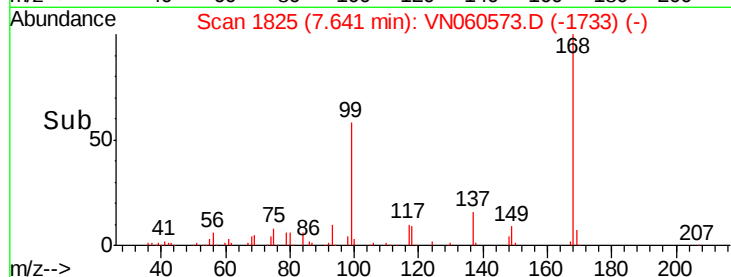
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 2.422 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060573.D

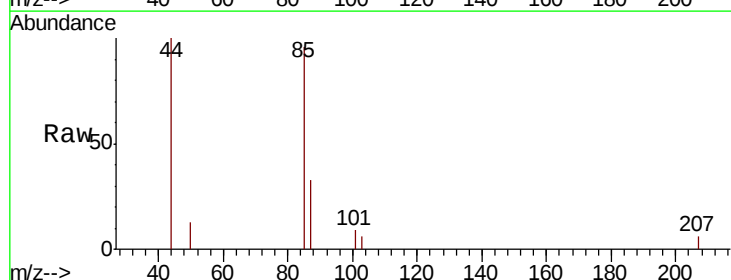
Acq: 17 Mar 2020 22:59

Tgt Ion: 85 Resp: 4939

Ion Ratio Lower Upper

85 100

87 34.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

4000

3000

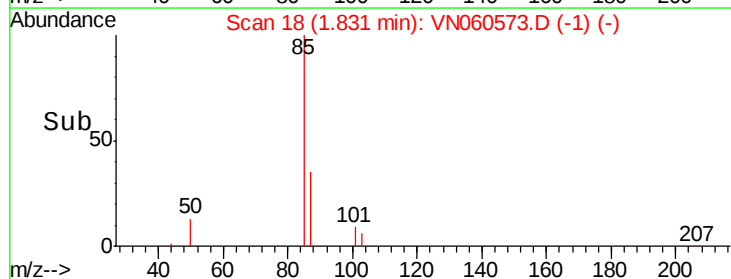
2000

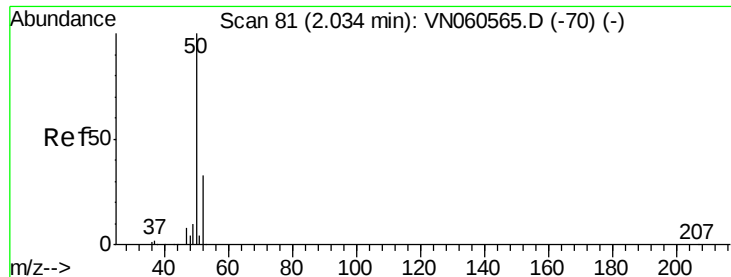
1000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 2.454 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

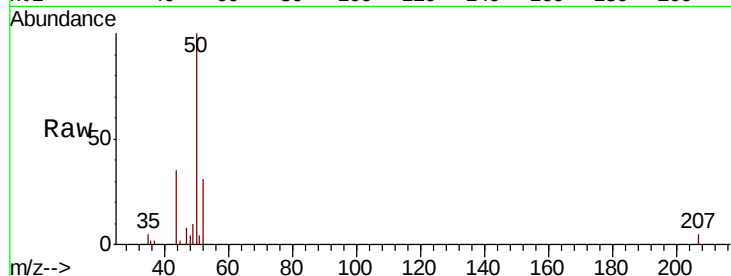
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 9346

Ion Ratio Lower Upper

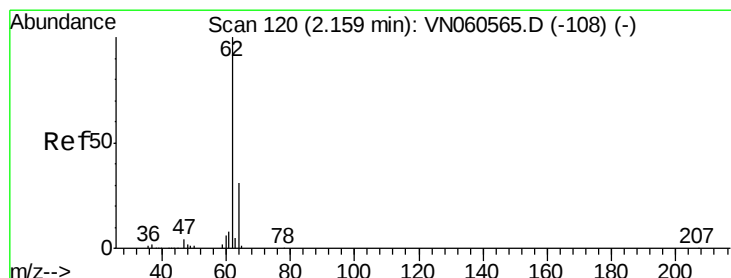
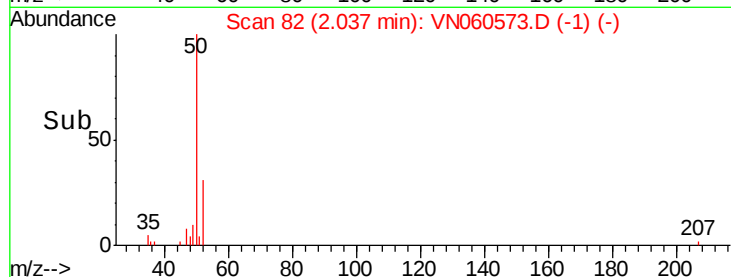
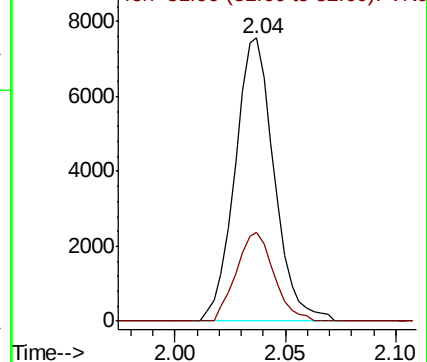
50 100

52 31.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 2.381 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060573.D

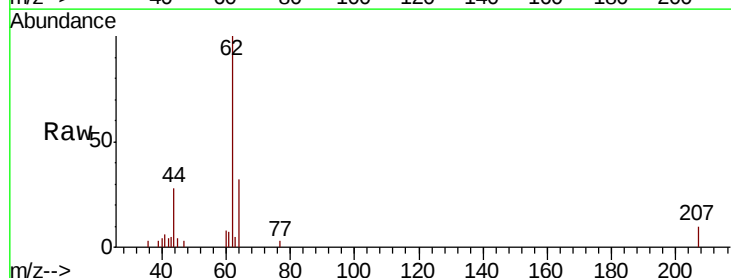
Acq: 17 Mar 2020 22:59

Tgt Ion: 62 Resp: 7094

Ion Ratio Lower Upper

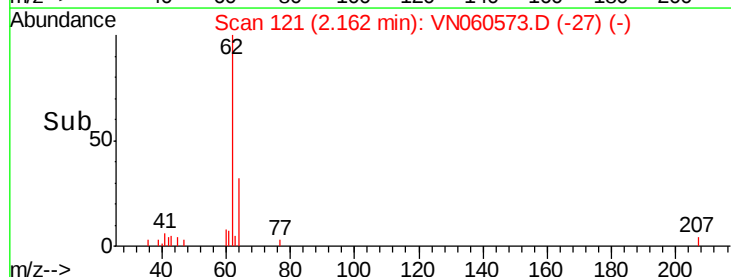
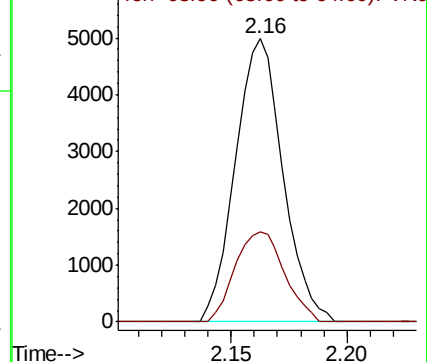
62 100

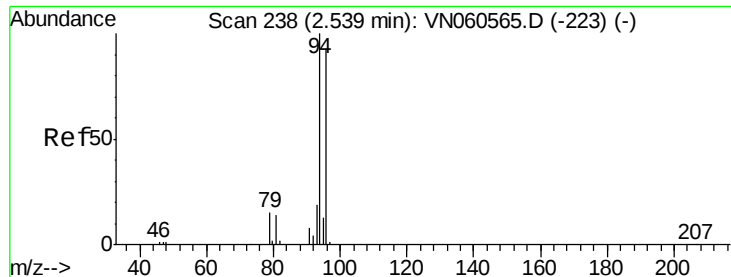
64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 2.701 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

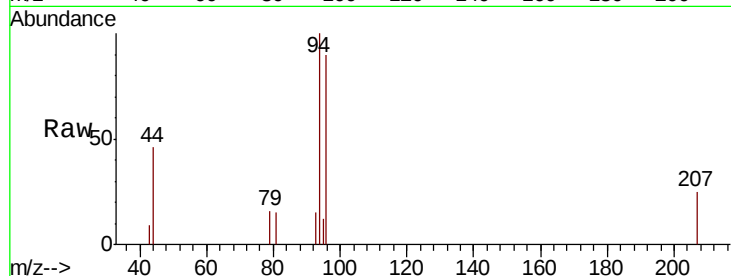
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 3473

Ion Ratio Lower Upper

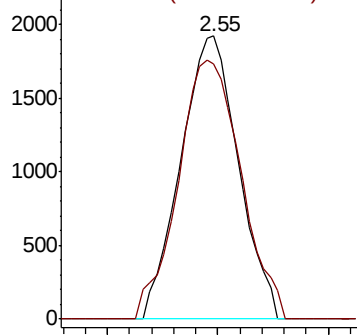
94 100

96 90.2 74.6 112.0

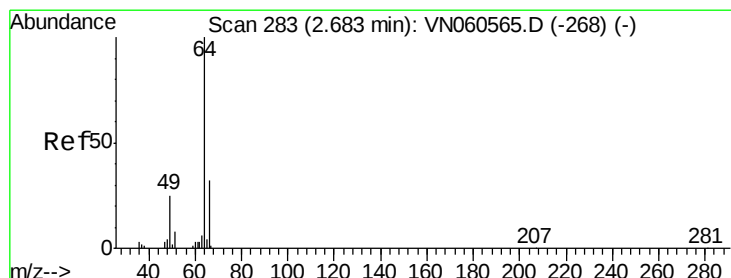
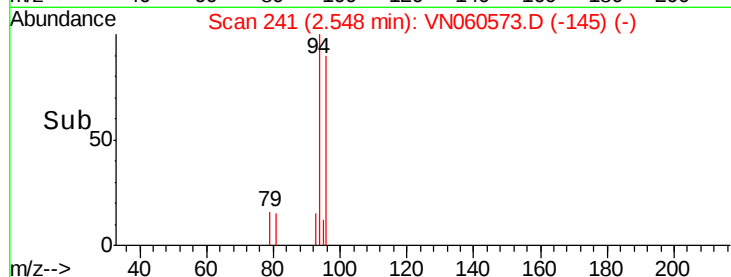


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 2.532 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060573.D

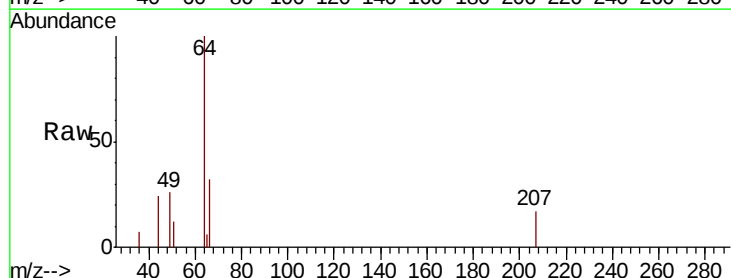
Acq: 17 Mar 2020 22:59

Tgt Ion: 64 Resp: 4345

Ion Ratio Lower Upper

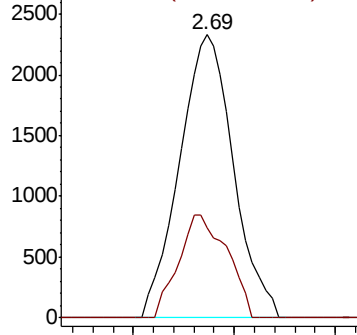
64 100

66 31.8 25.3 37.9

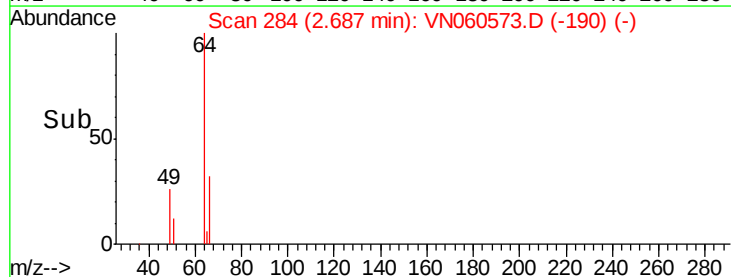


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



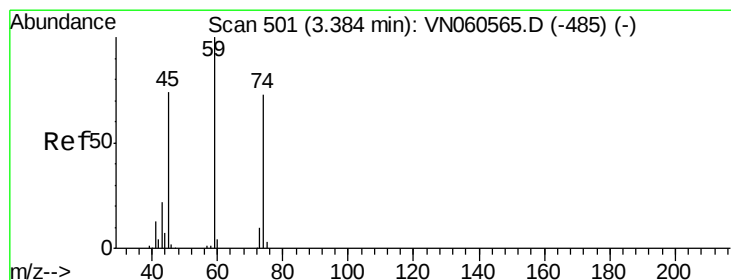
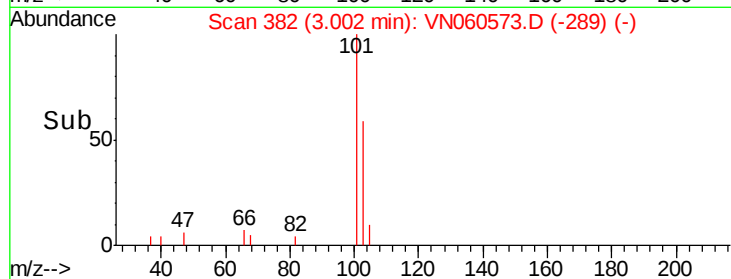
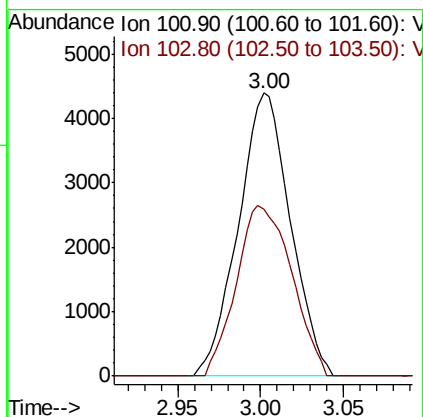
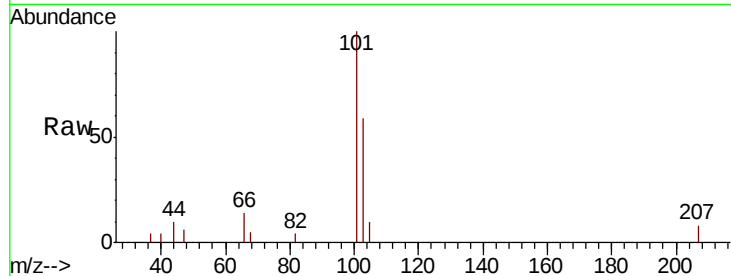


#7

Trichlorofluoromethane
 Concen: 2.612 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060573.D
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 MSVOA_N
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 LOD-MDL-WATER-01-QT1-2020

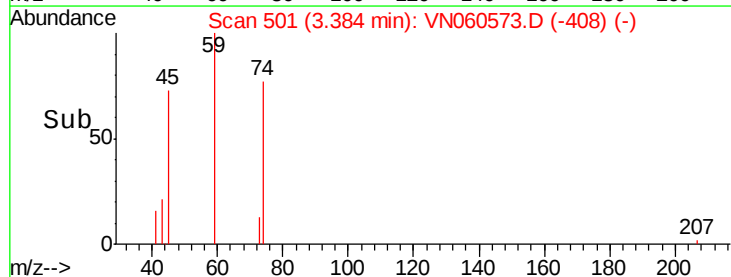
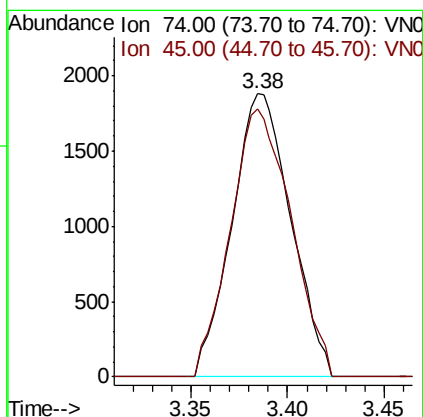
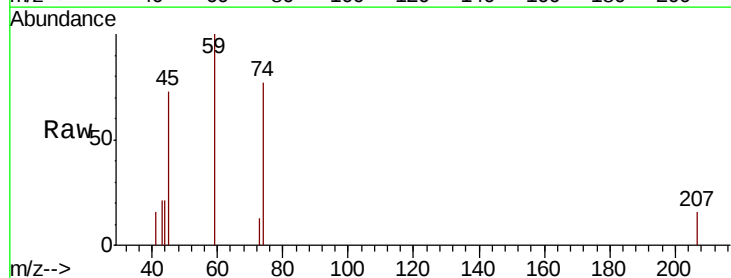
Tot Ion:101 Resp: 9586
 Ion Ratio Lower Upper
 101 100
 103 58.9 50.6 76.0



#8

Diethyl Ether
 Concen: 2.694 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion: 74 Resp: 3972
 Ion Ratio Lower Upper
 74 100
 45 97.7 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.583 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

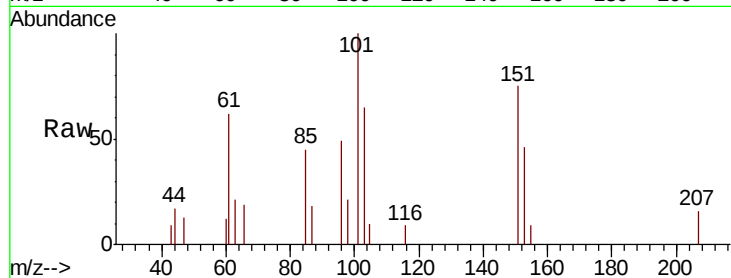
Tot Ion:101 Resp: 5493

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

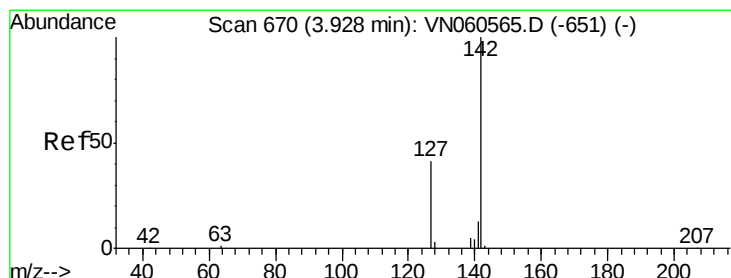
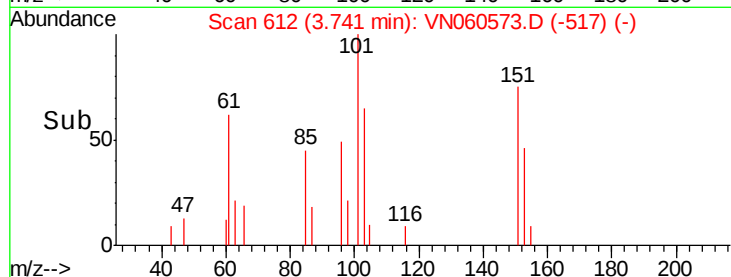
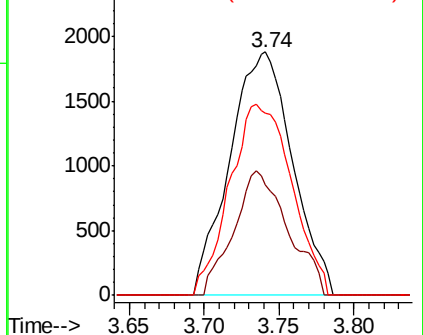
151 77.4 61.4 92.2



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: 2.461 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

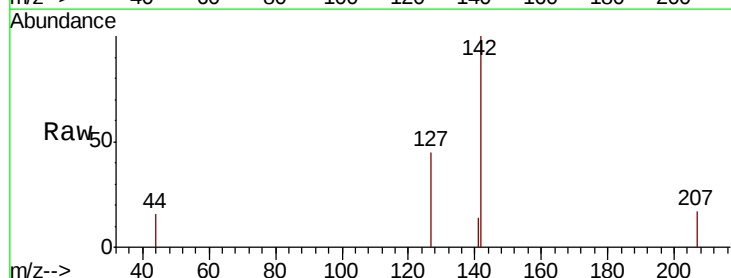
Tgt Ion:142 Resp: 4657

Ion Ratio Lower Upper

142 100

127 43.2 33.5 50.3

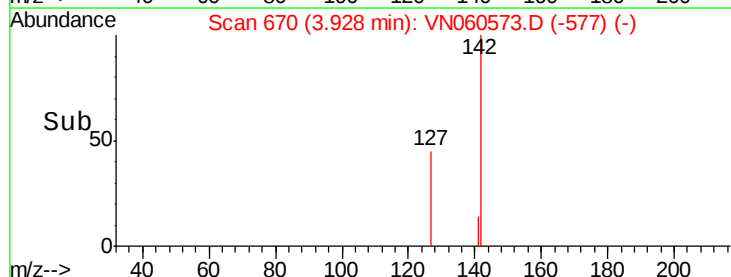
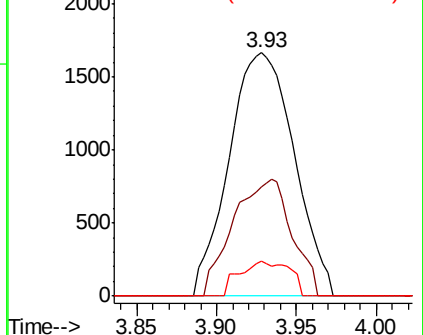
141 11.0 11.0 16.6#

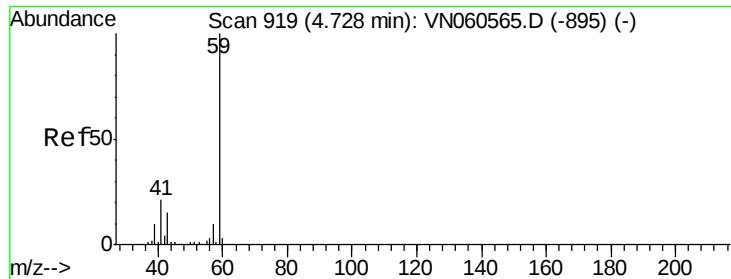


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

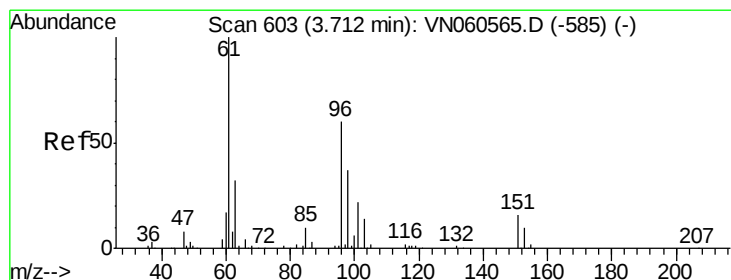
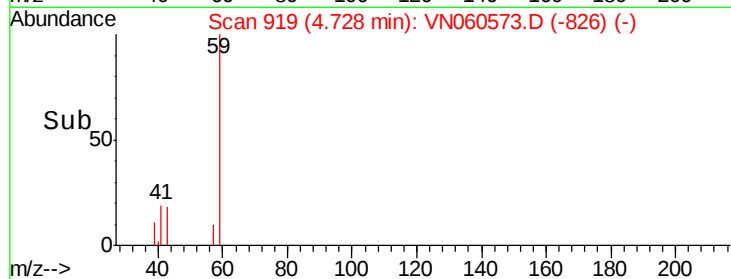
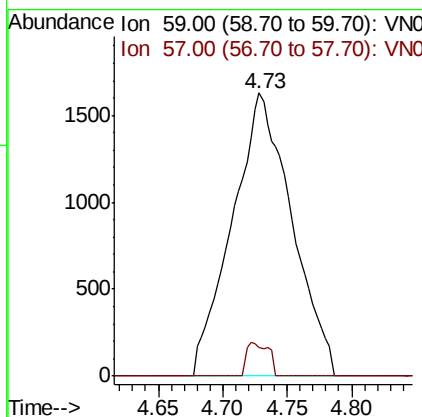
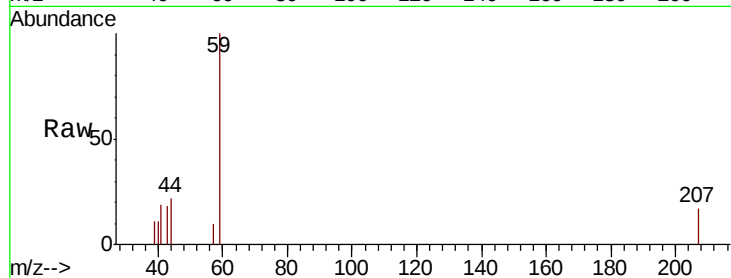




#11
Tert butyl alcohol
Concen: 12.303 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

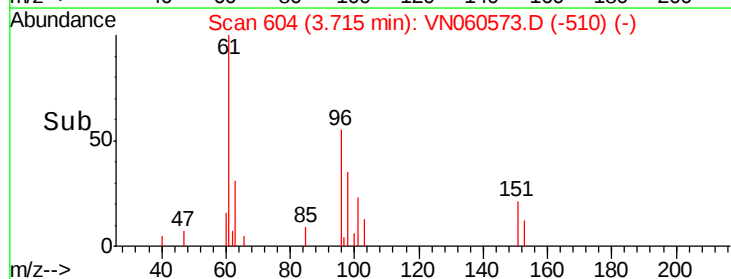
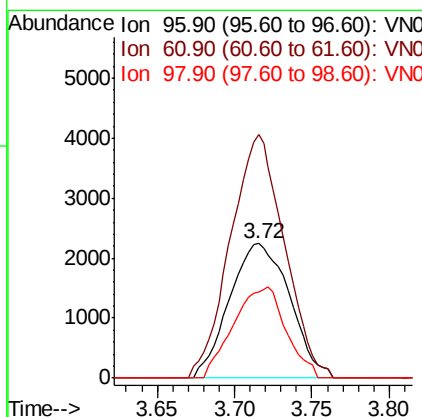
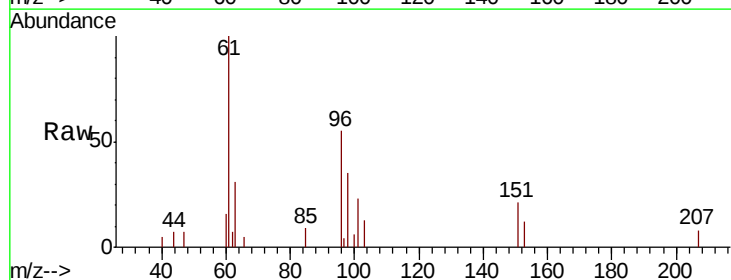
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

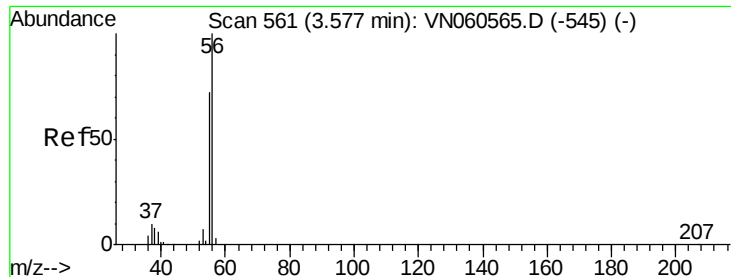
Tot Ion: 59 Resp: 5235
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 2.663 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 96 Resp: 6076
Ion Ratio Lower Upper
96 100
61 180.9 134.1 201.1
98 63.6 49.9 74.9





#13

Acrolein

Concen: 10.471 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

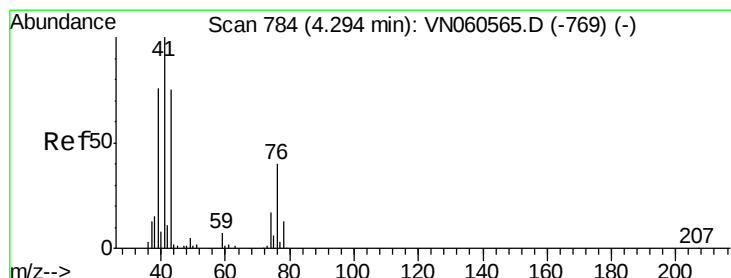
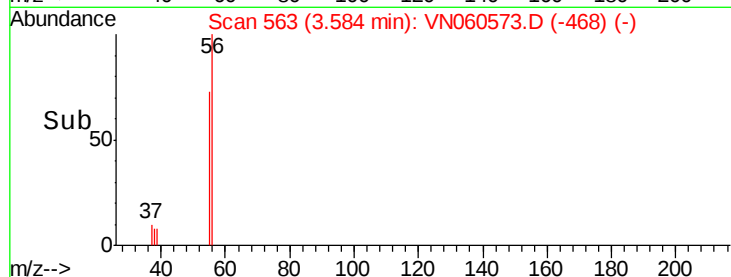
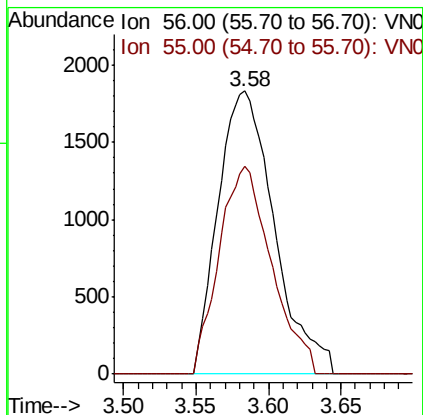
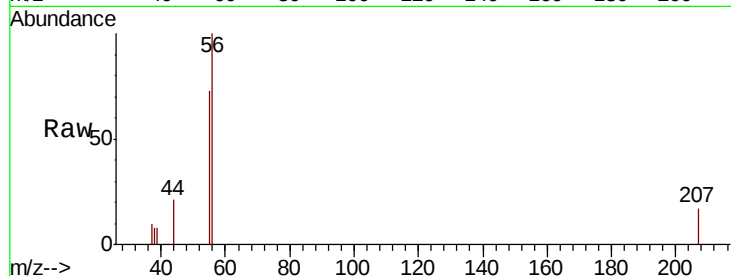
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 4938

Ion Ratio Lower Upper

56 100

55 68.4 56.7 85.1



#14

Allyl chloride

Concen: 2.539 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

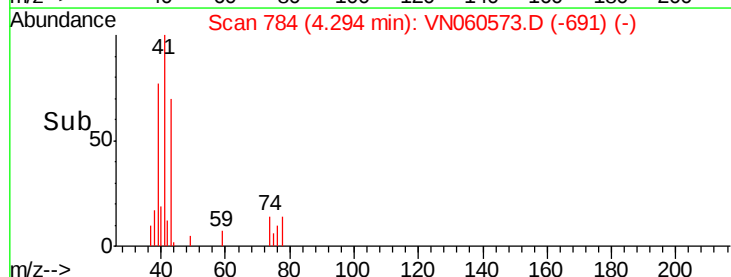
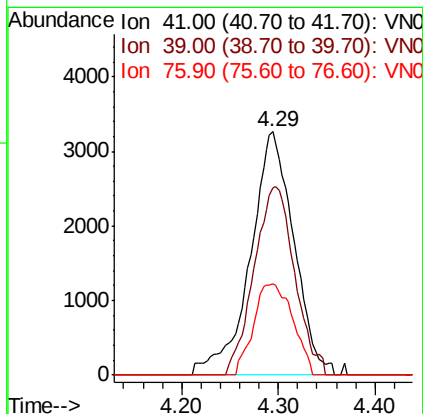
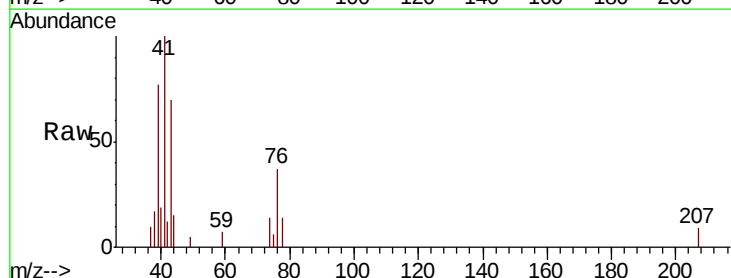
Tgt Ion: 41 Resp: 10191

Ion Ratio Lower Upper

41 100

39 72.0 57.8 86.8

76 33.8 28.6 43.0





#15

Acrylonitrile

Concen: 11.264 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

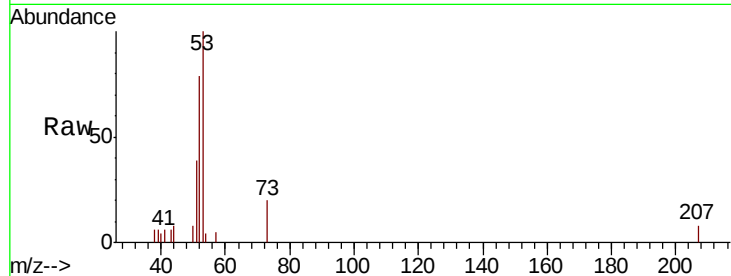
Tot Ion: 53 Resp: 14093

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.4

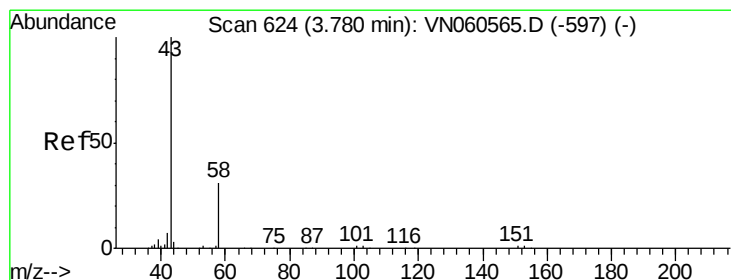
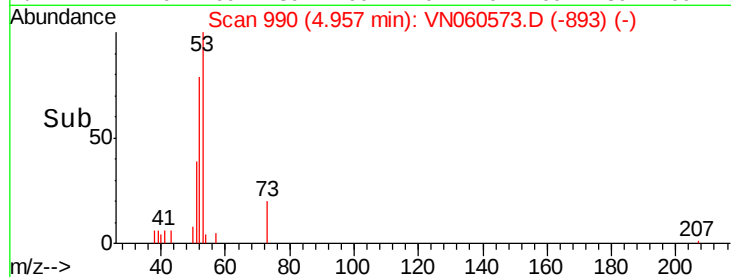
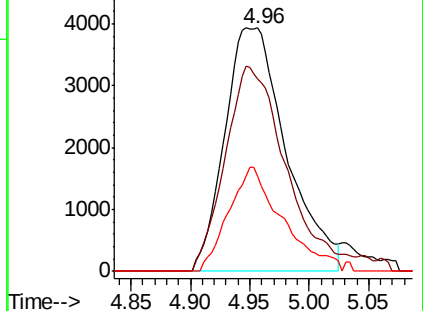
51 37.3 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060565.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060565.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060565.D (-964) (-)



#16

Acetone

Concen: 12.264 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060573.D

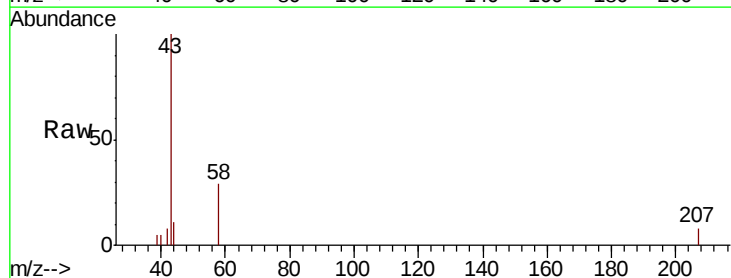
Acq: 17 Mar 2020 22:59

Tgt Ion: 43 Resp: 12568

Ion Ratio Lower Upper

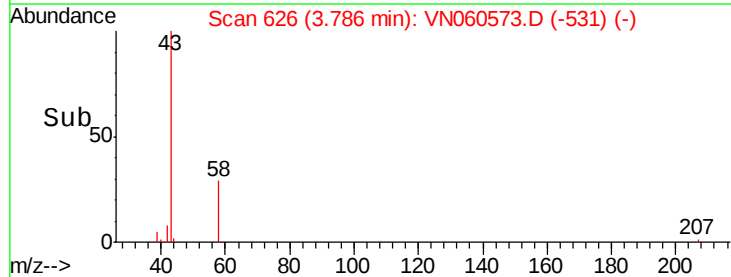
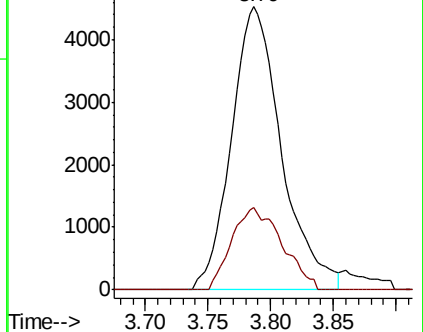
43 100

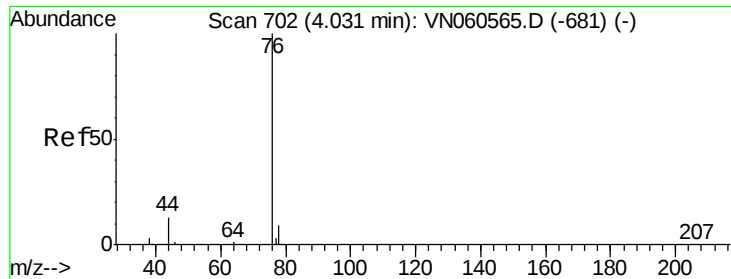
58 29.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)





#17

Carbon Disulfide

Concen: 2.636 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

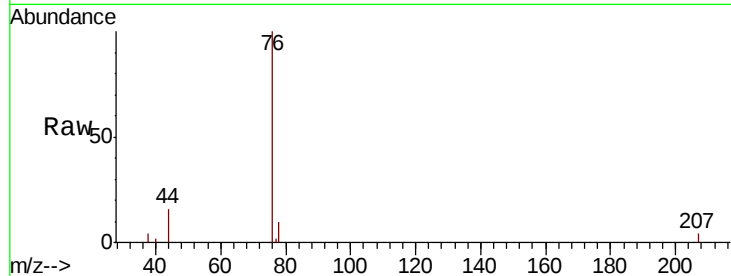
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 18296

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060573.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060573.D (-609) (-)

4.03

6000

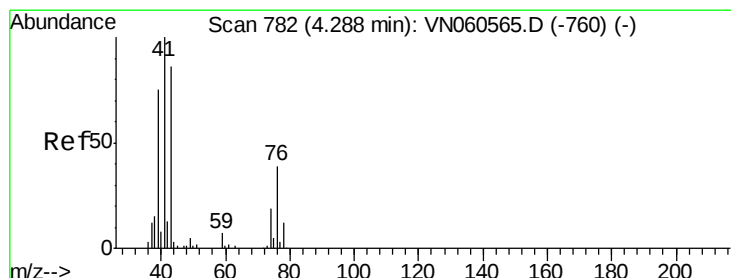
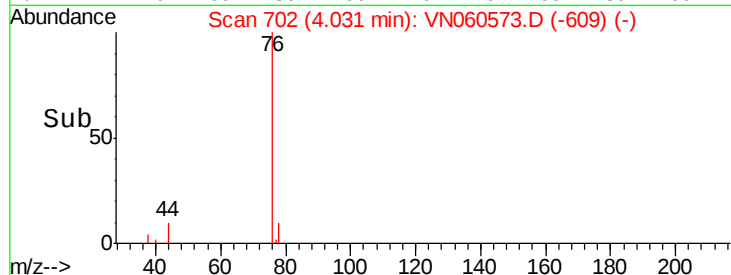
4000

2000

0

Time-->

3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 2.491 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060573.D

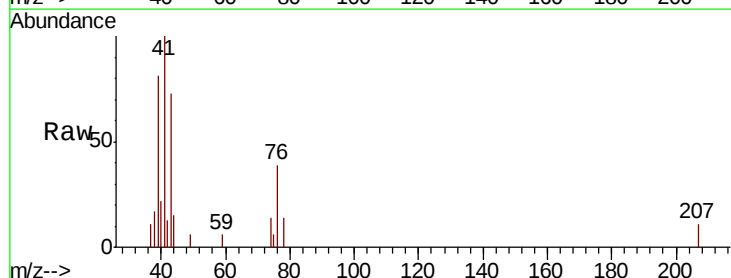
Acq: 17 Mar 2020 22:59

Tgt Ion: 43 Resp: 7186

Ion Ratio Lower Upper

43 100

74 18.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060573.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060573.D (-689) (-)

4.30

2500

2000

1500

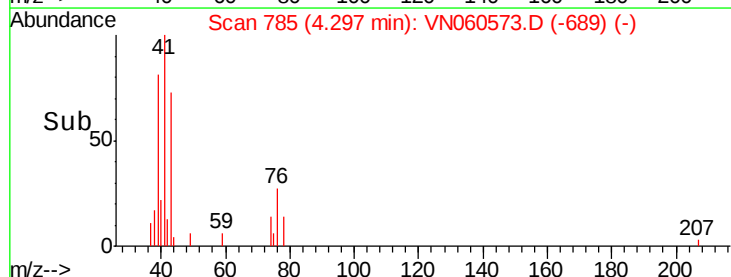
1000

500

0

Time-->

4.20 4.25 4.30 4.35 4.40

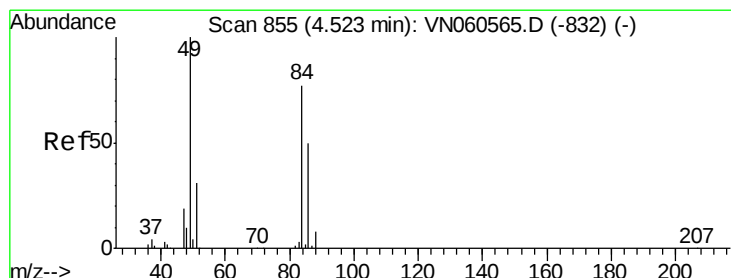
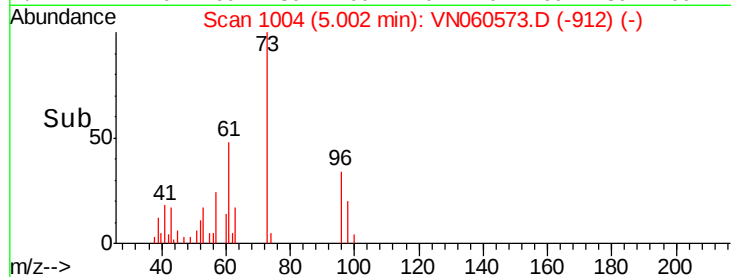
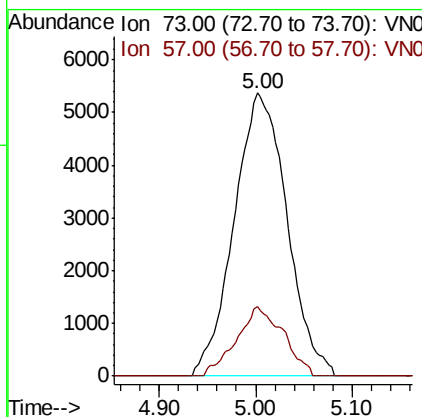
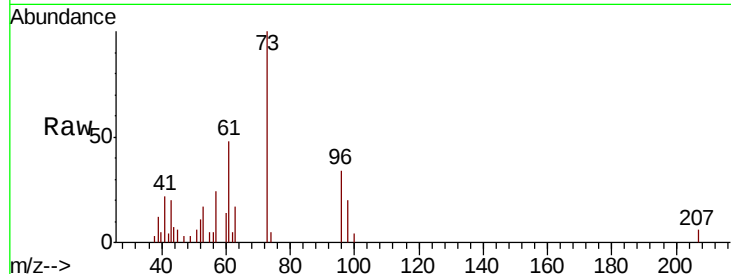




#19
Methyl tert-butyl Ether
Concen: 2.597 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

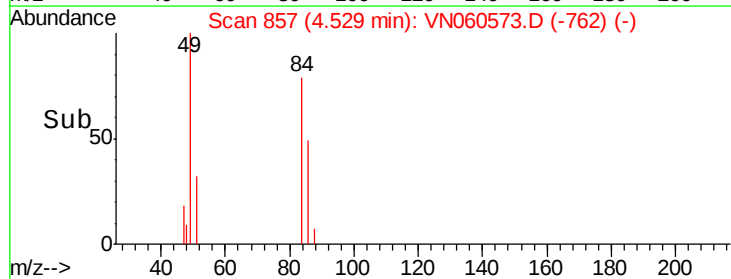
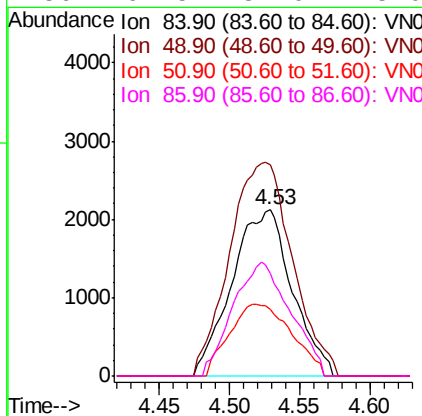
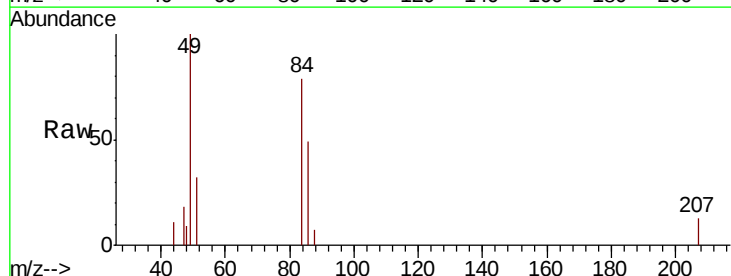
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

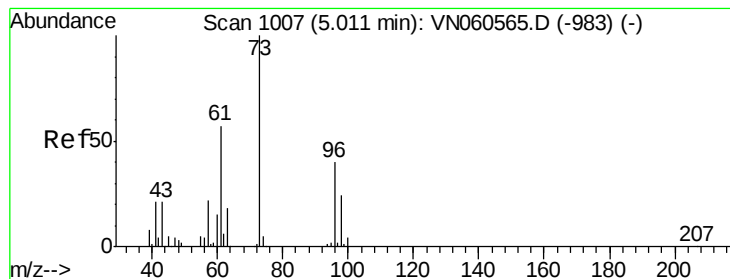
Tot Ion: 73 Resp: 20371
Ion Ratio Lower Upper
73 100
57 24.5 17.5 26.3



#20
Methylene Chloride
Concen: 2.514 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 84 Resp: 6339
Ion Ratio Lower Upper
84 100
49 126.8 103.3 154.9
51 40.1 31.6 47.4
86 61.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 2.617 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

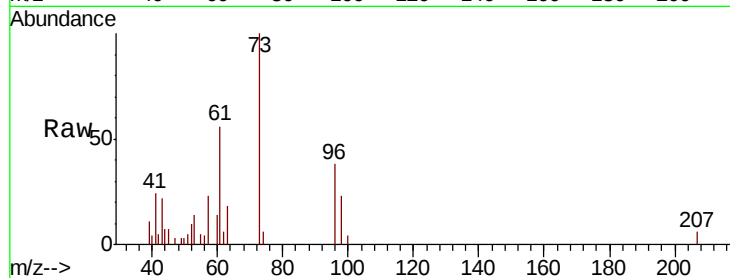
Tot Ion: 96 Resp: 6364

Ion Ratio Lower Upper

96 100

61 147.7 114.4 171.6

98 59.1 48.4 72.6

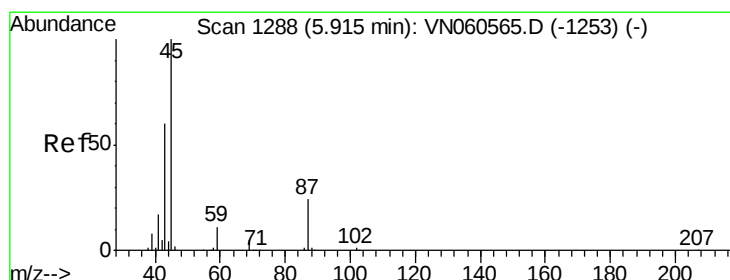
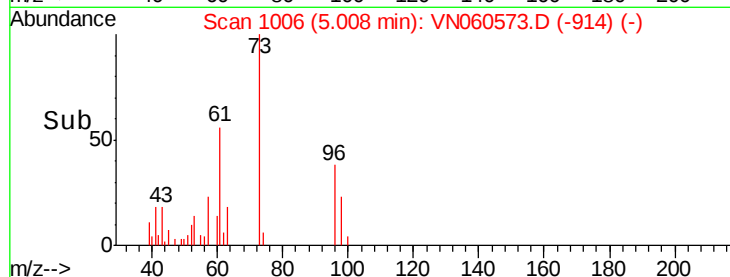
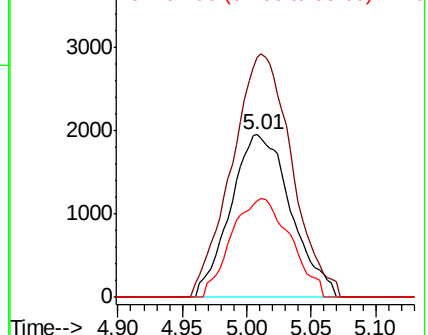


Abundance

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: 2.529 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Tgt Ion: 45 Resp: 21443

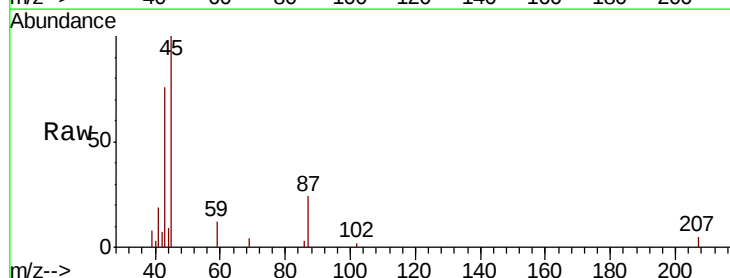
Ion Ratio Lower Upper

45 100

43 70.6 49.8 74.8

87 24.1 20.1 30.1

59 11.7 9.2 13.8



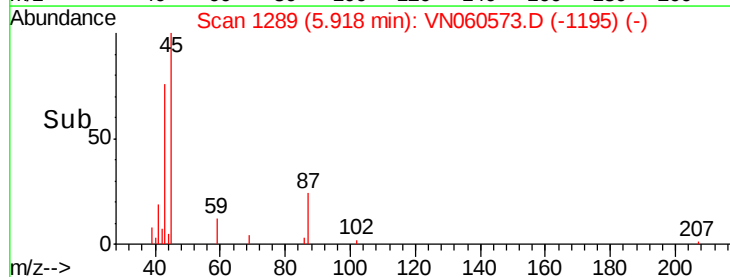
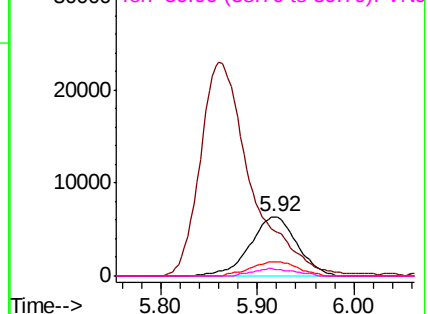
Abundance

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: 12.133 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

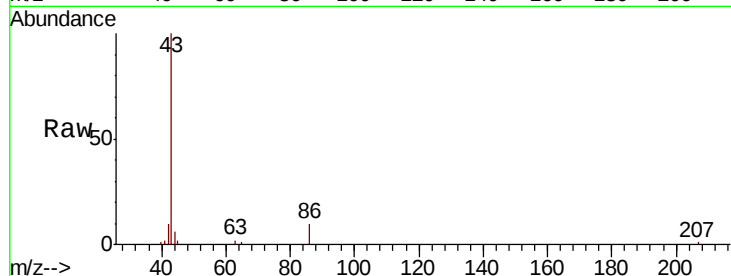
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 83935

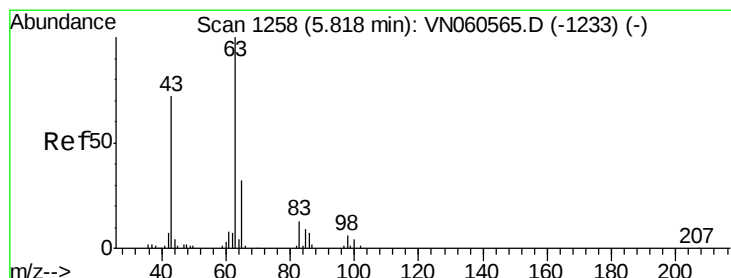
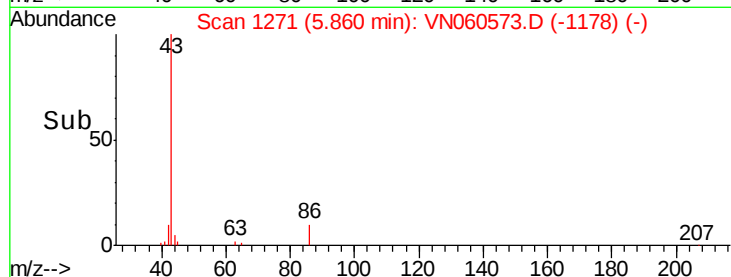
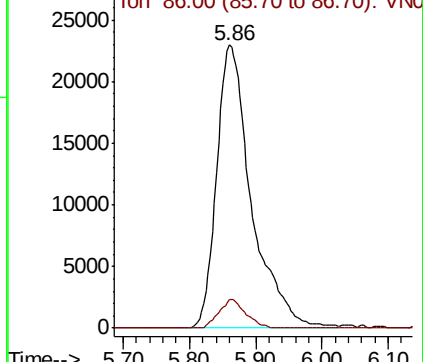
Ion Ratio Lower Upper

43 100

86 9.9 7.6 11.4



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



#24

1,1-Dichloroethane

Concen: 2.666 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

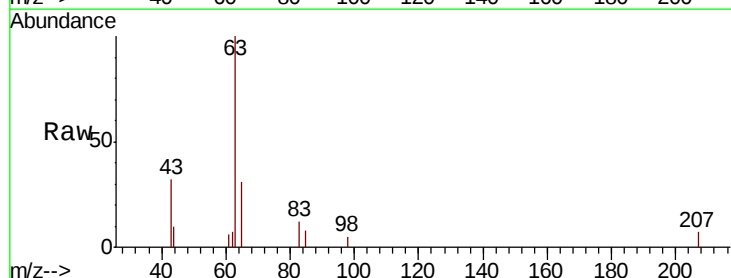
Tgt Ion: 63 Resp: 12324

Ion Ratio Lower Upper

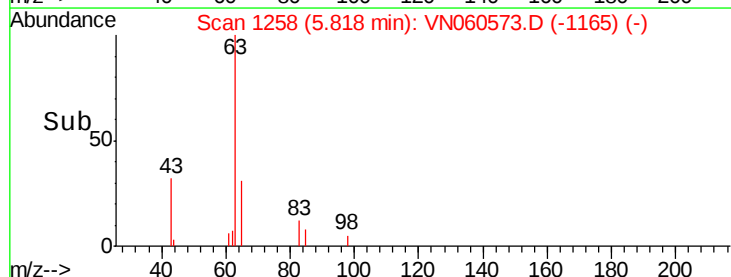
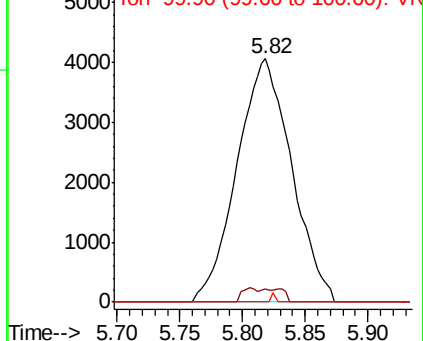
63 100

98 5.3 2.9 8.7

100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)





#25

2-Butanone

Concen: 11.971 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

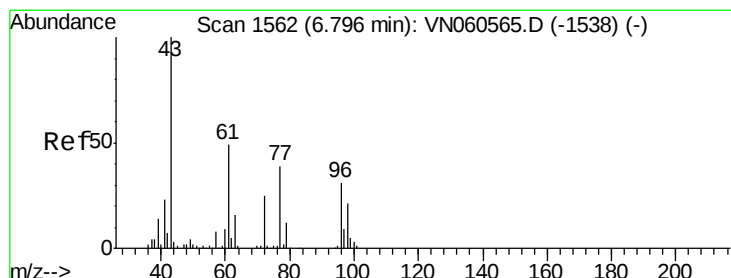
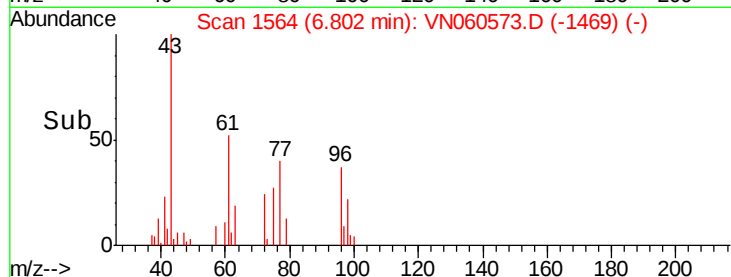
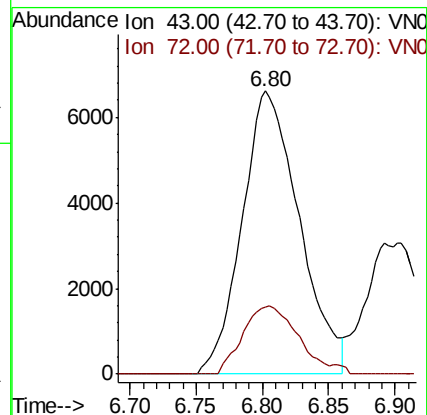
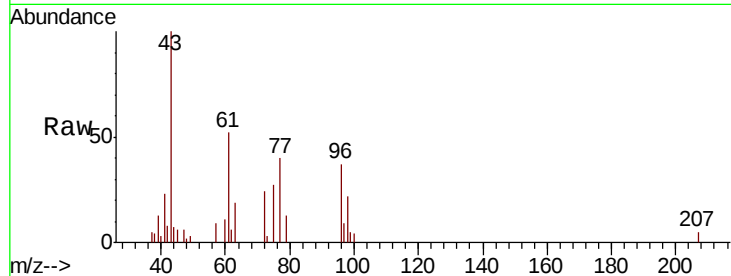
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 19852

Ion Ratio Lower Upper

43 100

72 23.9 20.4 30.6



#26

2,2-Dichloropropane

Concen: 2.390 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060573.D

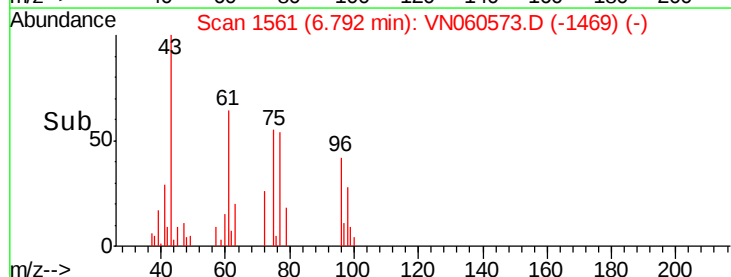
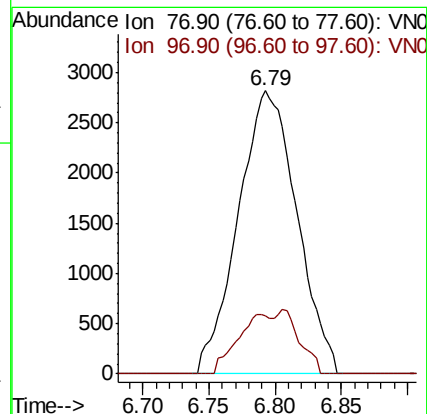
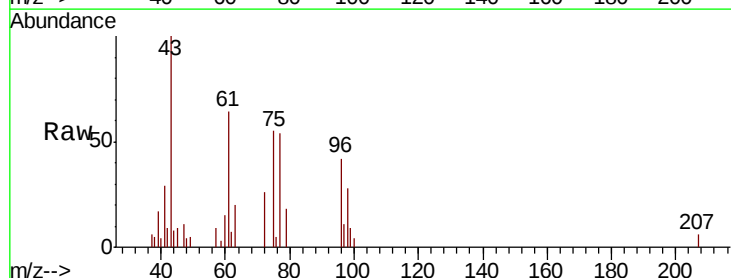
Acq: 17 Mar 2020 22:59

Tgt Ion: 77 Resp: 8691

Ion Ratio Lower Upper

77 100

97 12.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 2.526 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

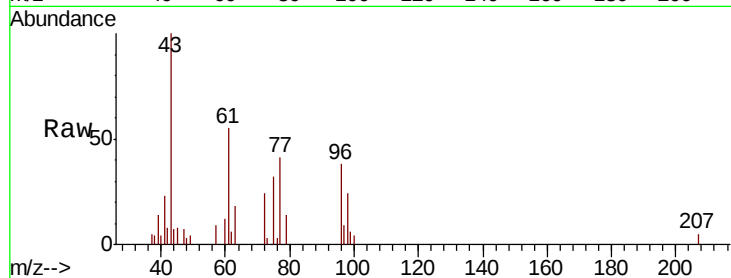
Tot Ion: 96 Resp: 6981

Ion Ratio Lower Upper

96 100

61 156.6 0.0 305.6

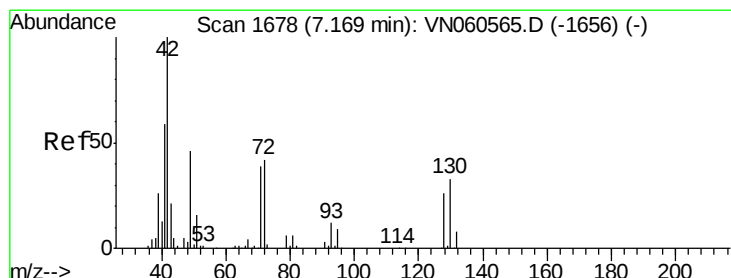
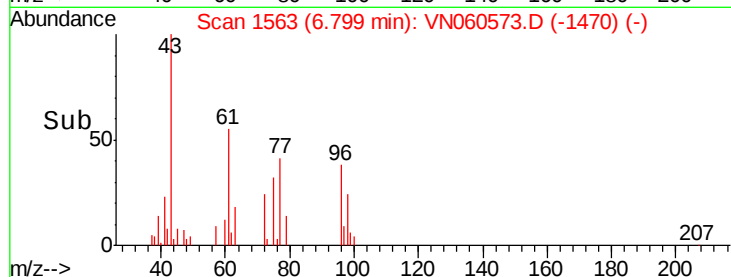
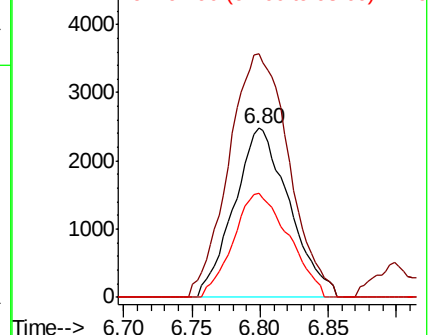
98 61.6 0.0 127.6



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



#28

Bromochloromethane

Concen: 2.280 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

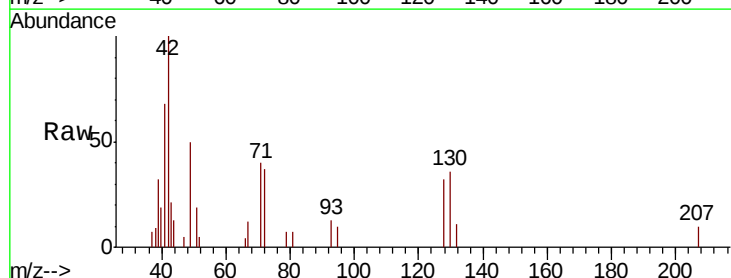
Tgt Ion: 49 Resp: 5043

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

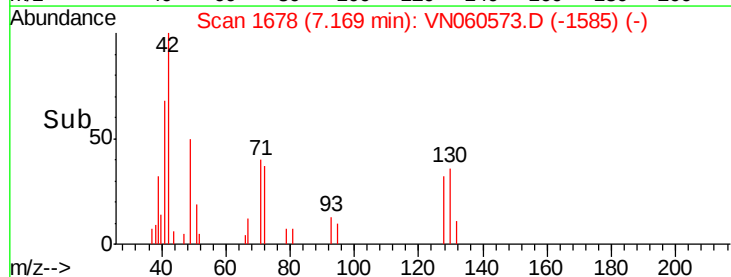
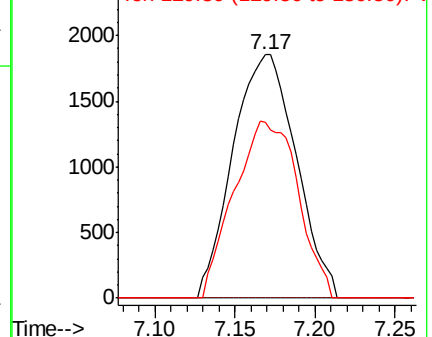
130 73.6 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

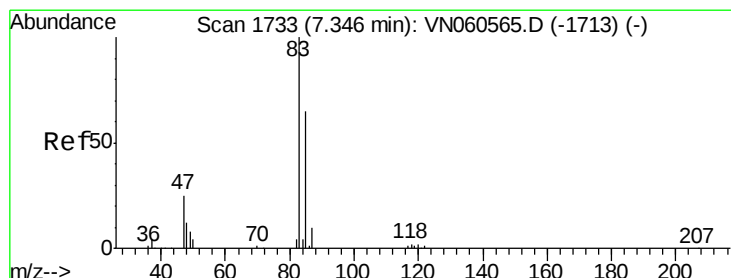
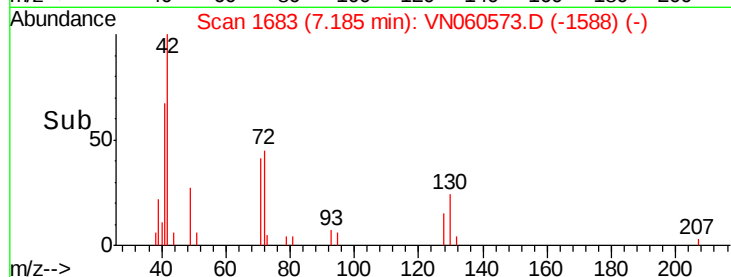
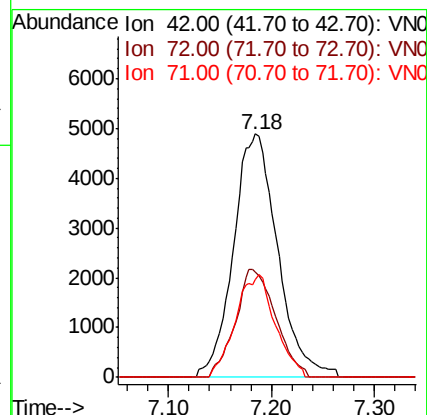
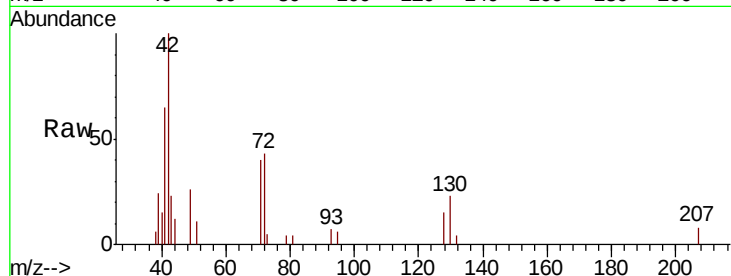




#29
Tetrahydrofuran
Concen: 12.405 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

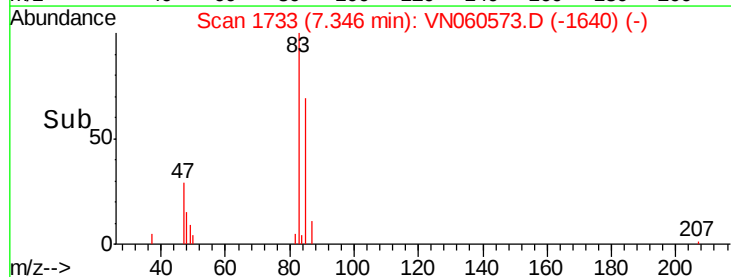
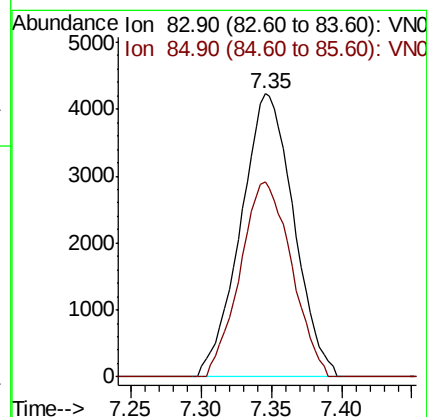
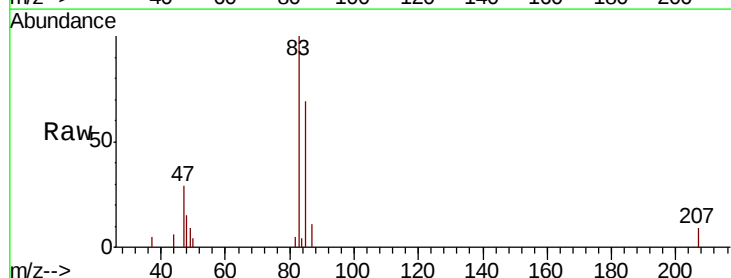
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

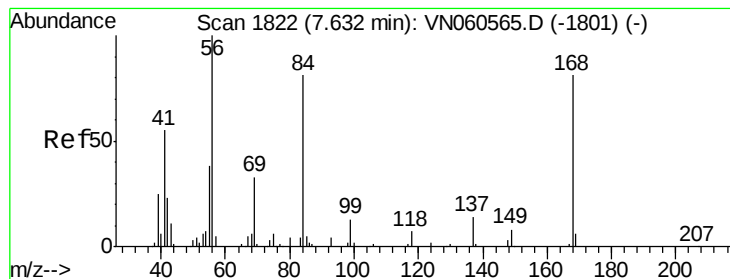
Tot Ion: 42 Resp: 14555
Ion Ratio Lower Upper
42 100
72 40.5 33.2 49.8
71 37.9 31.1 46.7



#30
Chloroform
Concen: 2.506 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 83 Resp: 11106
Ion Ratio Lower Upper
83 100
85 69.0 51.8 77.8





#31

Cyclohexane

Concen: 3.294 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

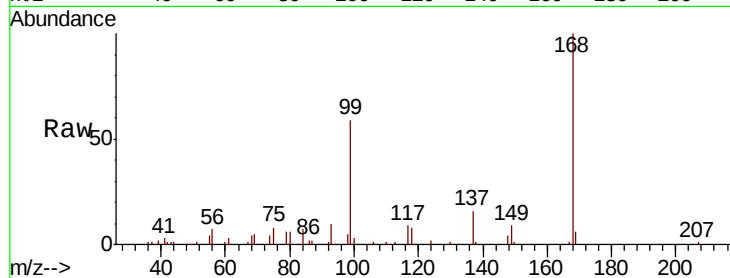
Tot Ion: 56 Resp: 15347

Ion Ratio Lower Upper

56 100

69 71.1 26.6 40.0#

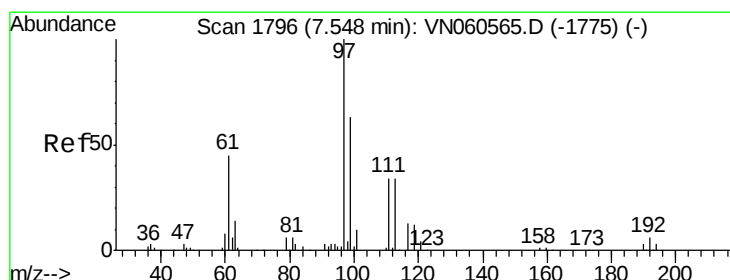
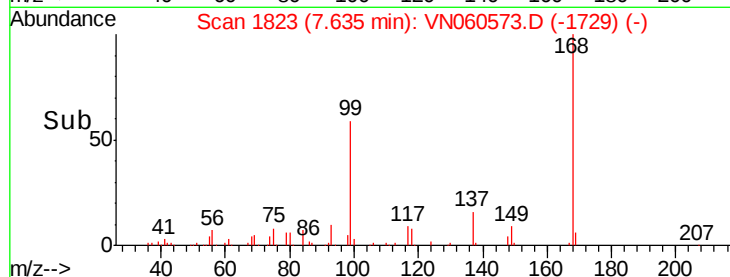
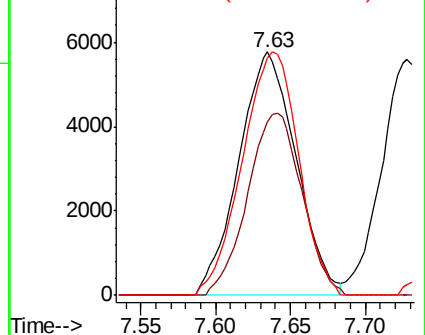
84 97.3 64.3 96.5#



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) (-)



#32

1,1,1-Trichloroethane

Concen: 2.540 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

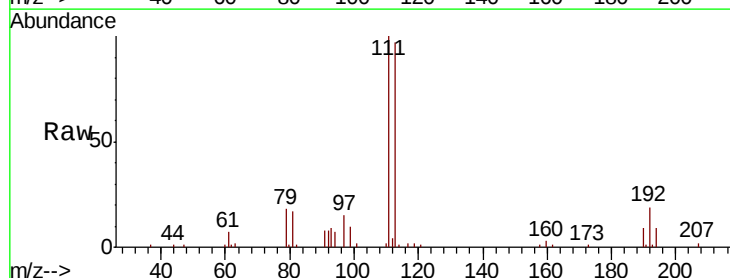
Tgt Ion: 97 Resp: 9703

Ion Ratio Lower Upper

97 100

99 63.8 50.6 75.8

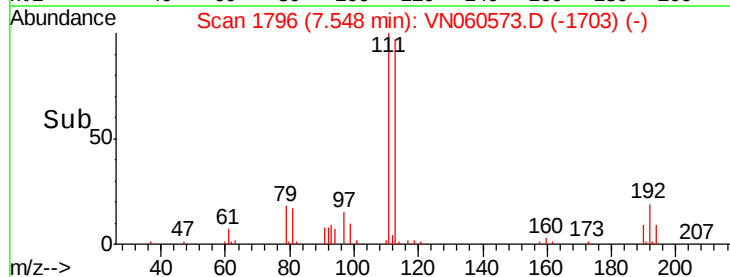
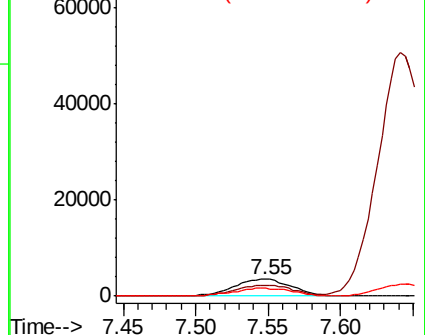
61 46.8 36.2 54.4

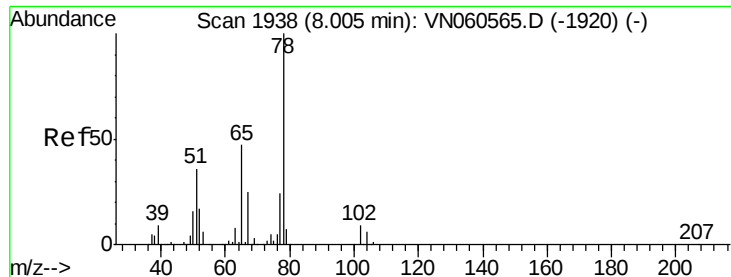


Abundance Ion 96.90 (96.60 to 97.60): VN060565.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN060565.D (-1775) (-)

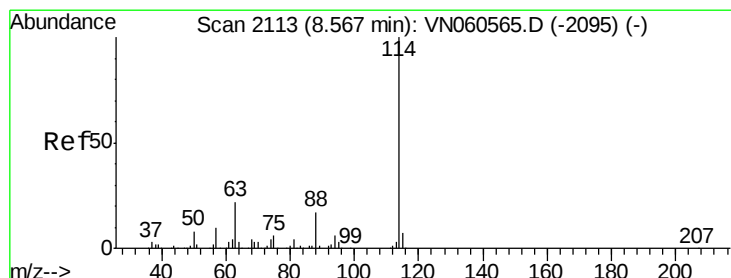
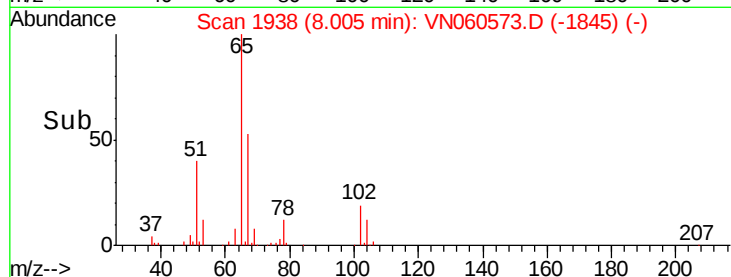
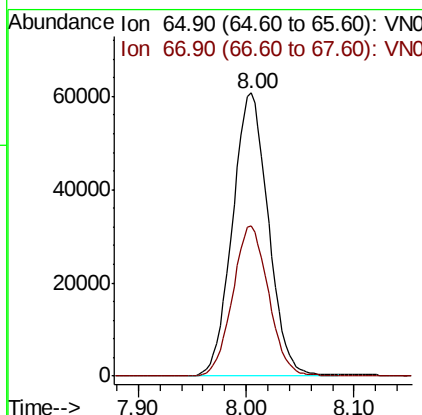
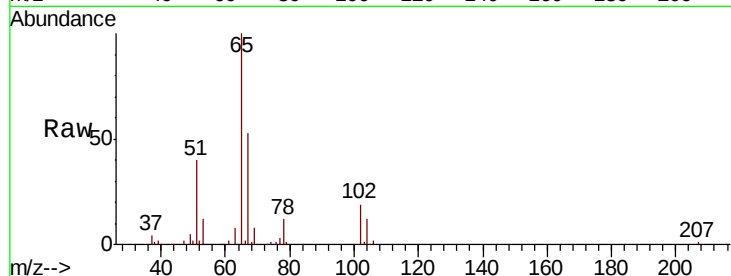




#33
 1,2-Dichloroethane-d4
 Concen: 48.671 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

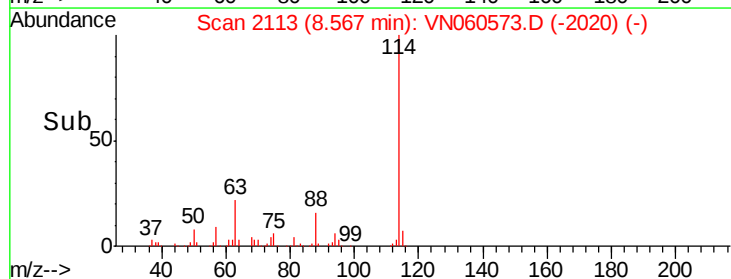
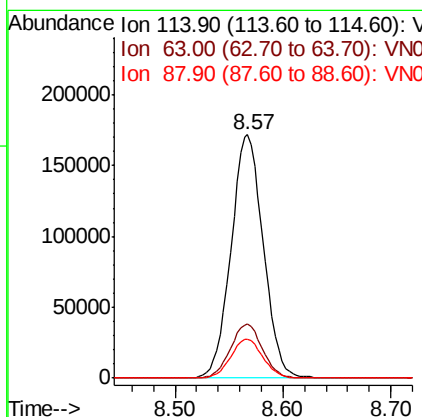
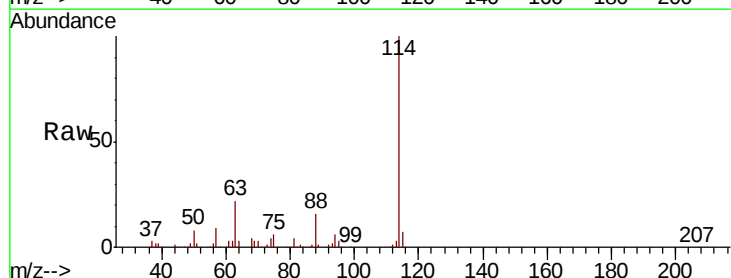
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

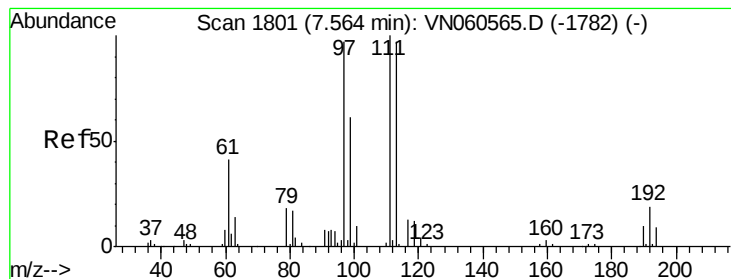
Tot Ion: 65 Resp: 140811
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion: 114 Resp: 357250
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.034 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

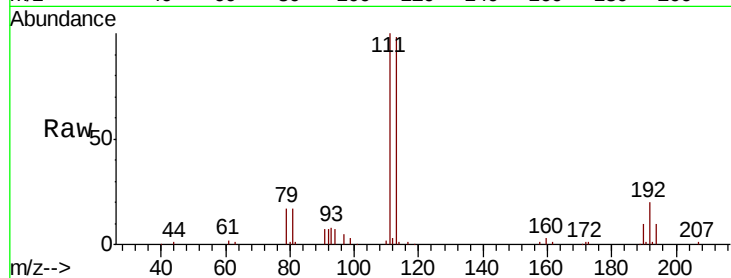
Tot Ion:113 Resp: 103761

Ion Ratio Lower Upper

113 100

111 101.5 82.9 124.3

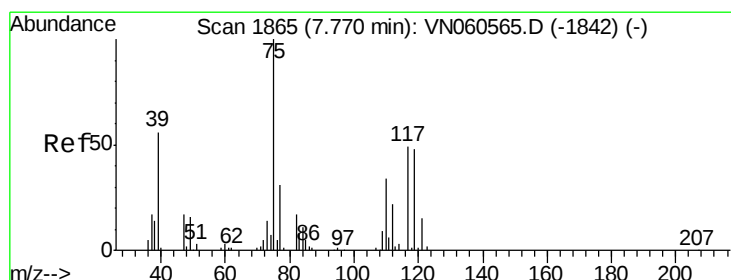
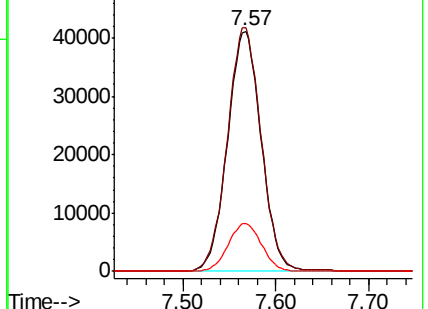
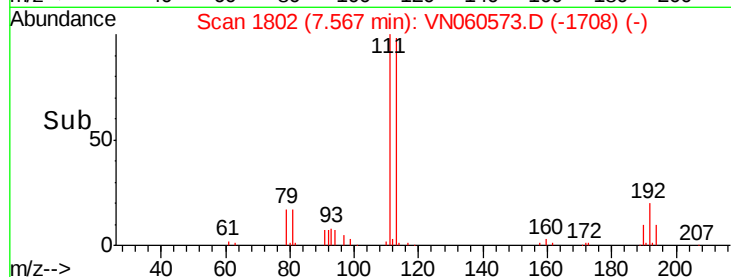
192 19.7 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.541 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

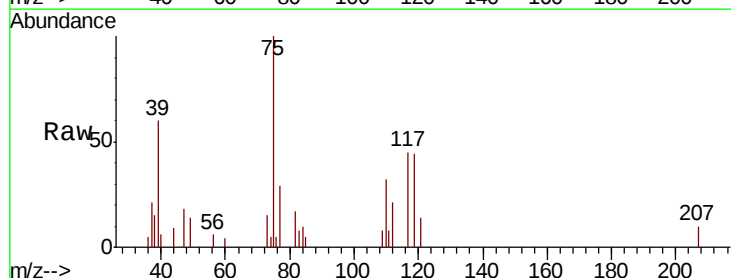
Tgt Ion: 75 Resp: 8791

Ion Ratio Lower Upper

75 100

110 32.5 16.9 50.6

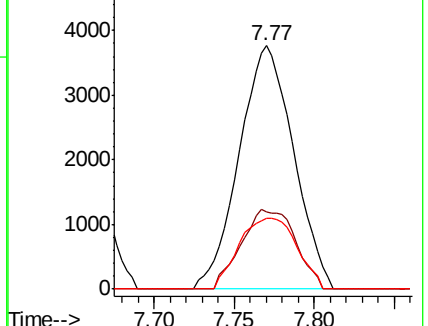
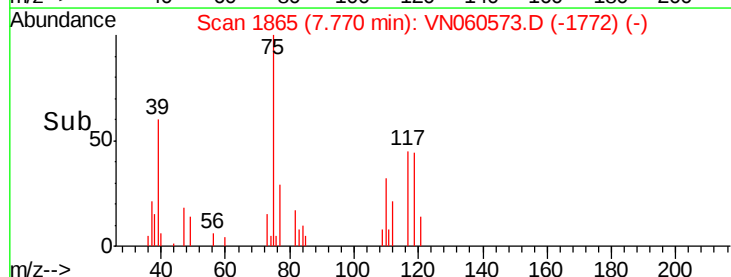
77 30.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

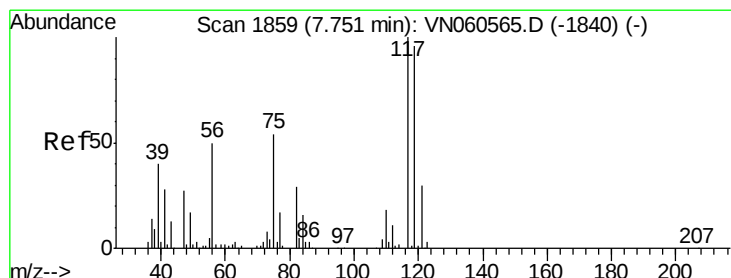
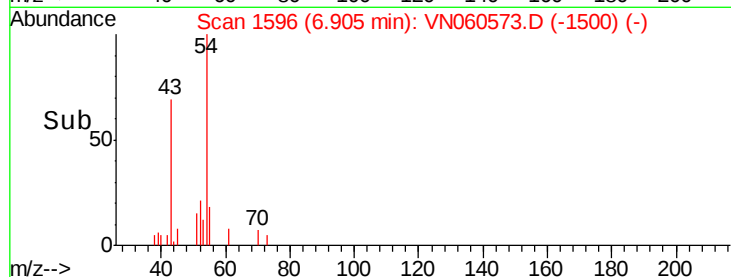
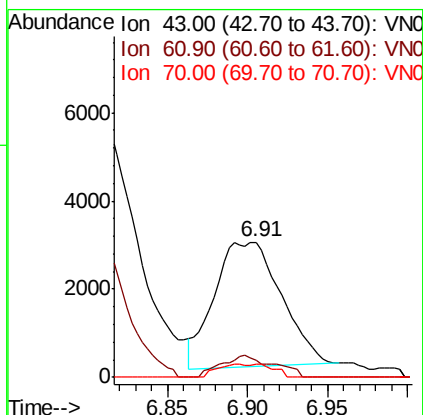
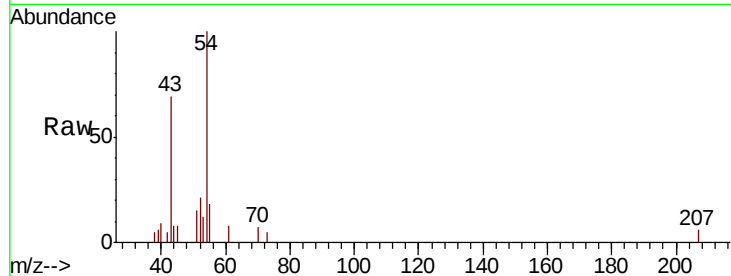




#37
Ethyl Acetate
Concen: 2.190 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

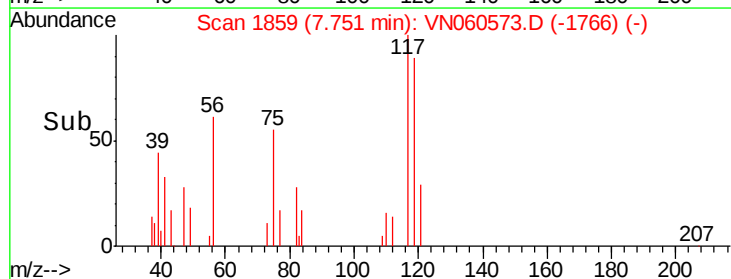
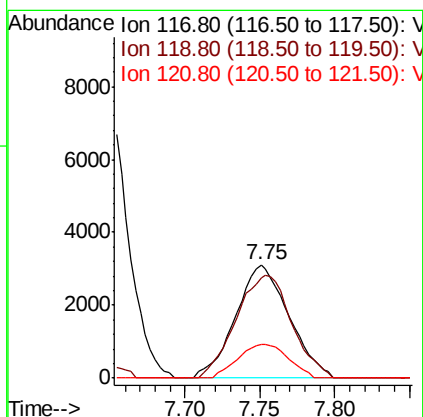
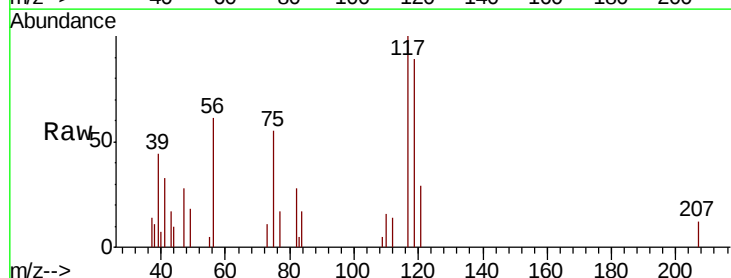
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

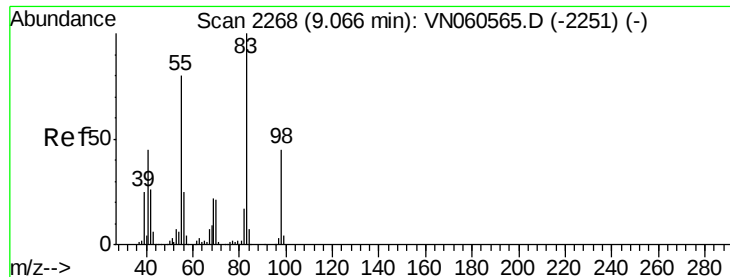
Tot Ion: 43 Resp: 8186
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 5.3 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 2.488 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 117 Resp: 7714
Ion Ratio Lower Upper
117 100
119 88.9 76.2 114.2
121 29.5 23.7 35.5

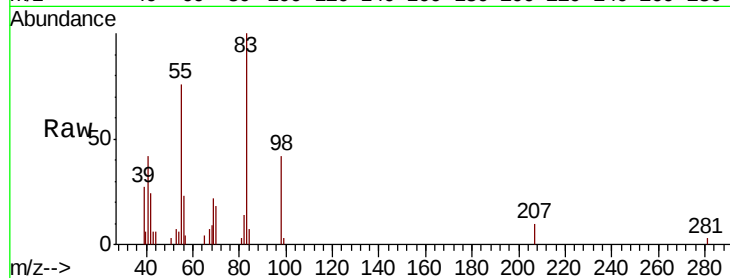




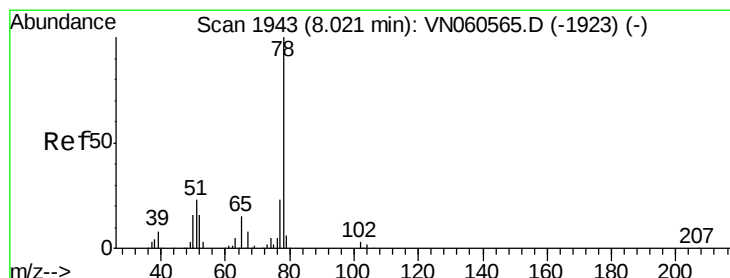
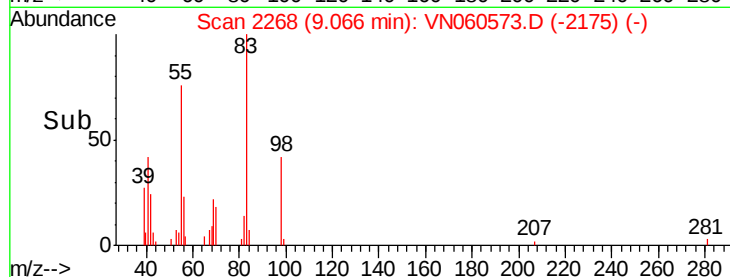
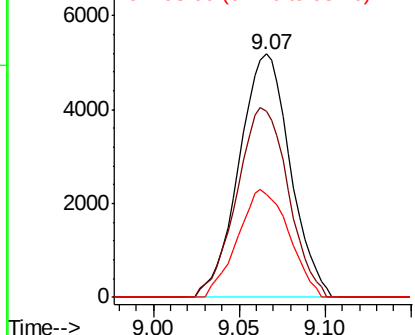
#39
Methvlcvclohexane
Concen: 2.606 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

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

Tot Ion: 83 Resp: 10714
Ion Ratio Lower Upper
83 100
55 76.5 63.6 95.4
98 42.2 36.0 54.0

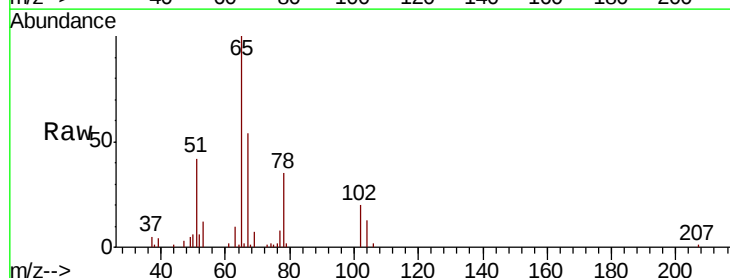


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

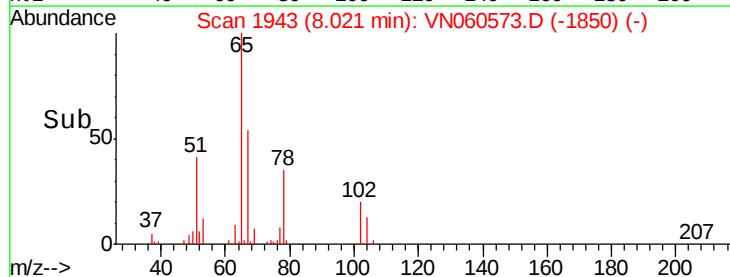
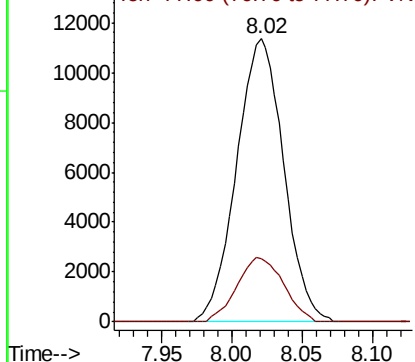


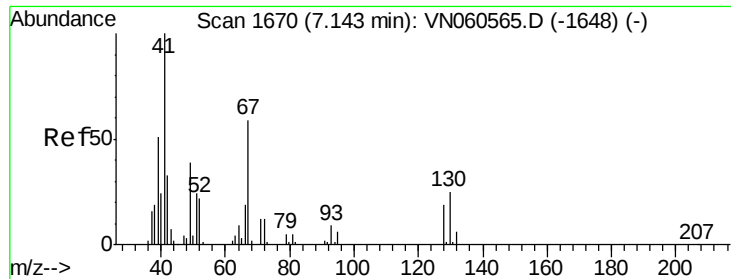
#40
Benzene
Concen: 2.536 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 78 Resp: 26480
Ion Ratio Lower Upper
78 100
77 22.5 18.6 28.0



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

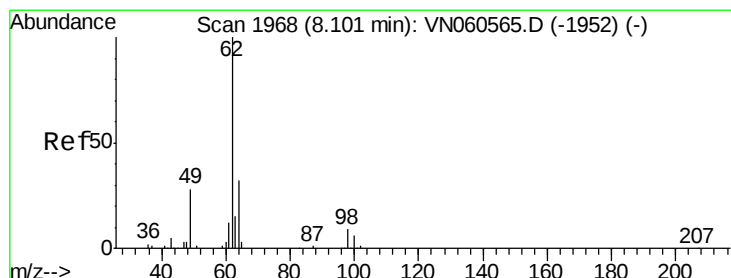
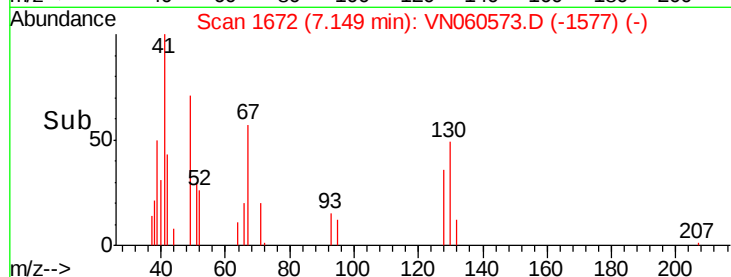
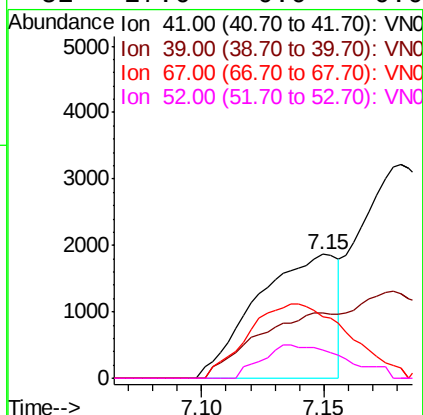
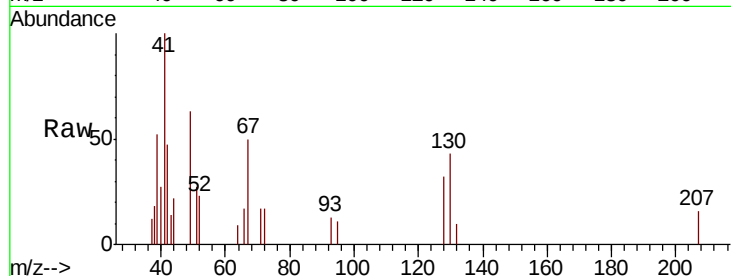




#41
Methacrylonitrile
Concen: 2.684 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

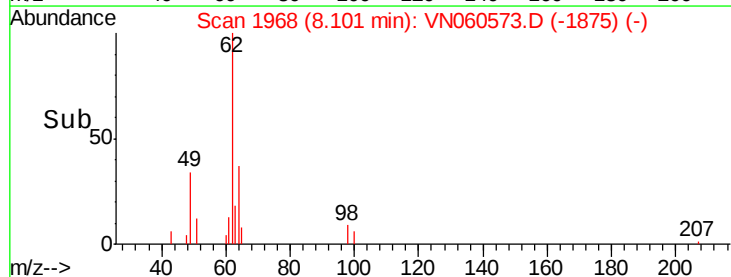
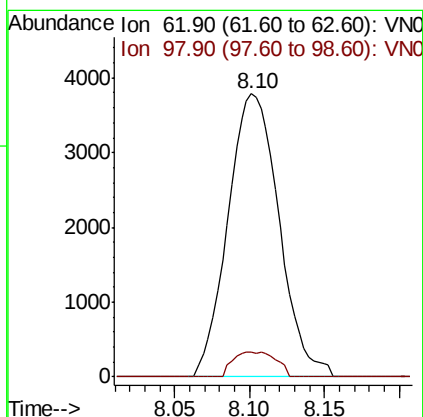
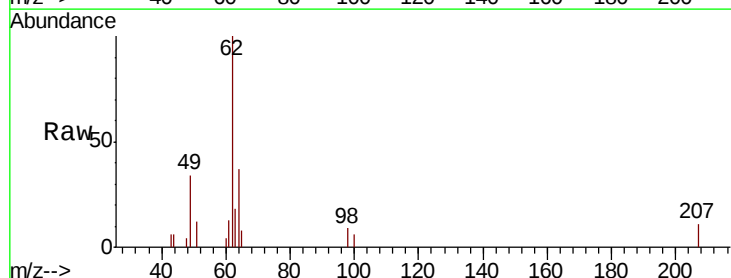
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

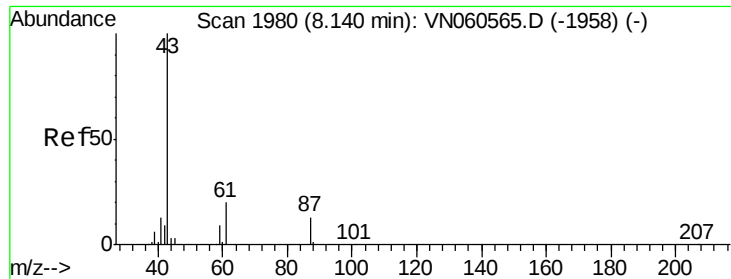
Tot Ion:	41	Resp:	4281
Ion	Ratio	Lower	Upper
41	100		
39	48.4	0.0	0.0#
67	74.7	0.0	0.0#
52	27.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 2.520 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:	62	Resp:	8993
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 2.435 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

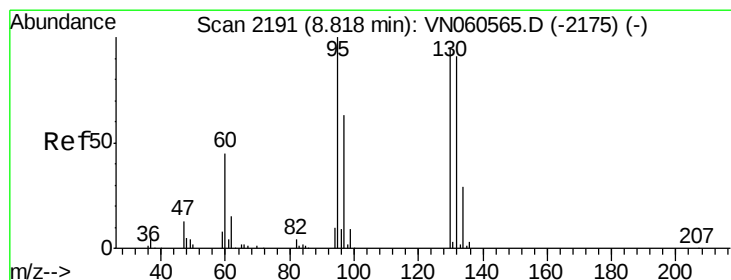
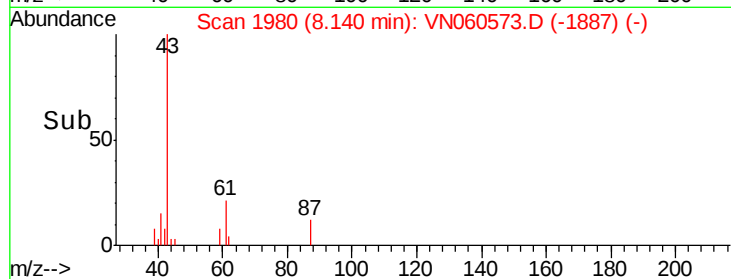
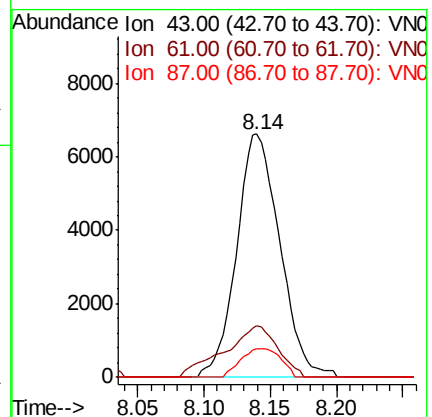
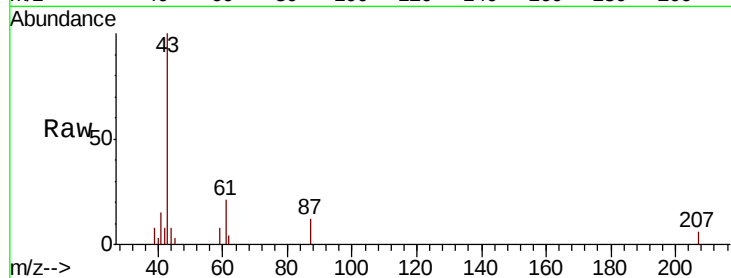
Tot Ion: 43 Resp: 15009

Ion Ratio Lower Upper

43 100

61 26.1 20.7 31.1

87 10.8 9.8 14.8



#44

Trichloroethene

Concen: 2.560 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060573.D

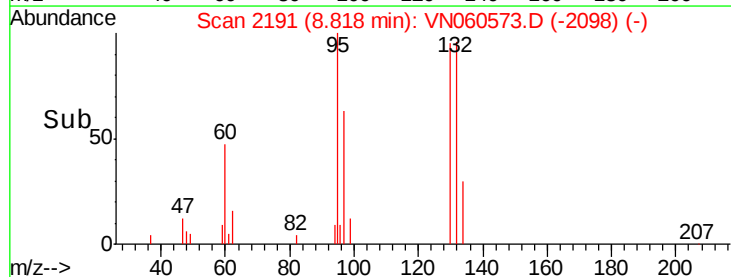
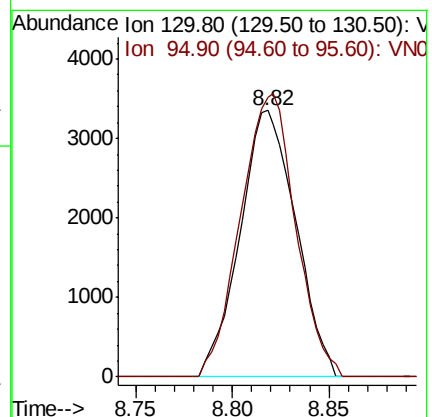
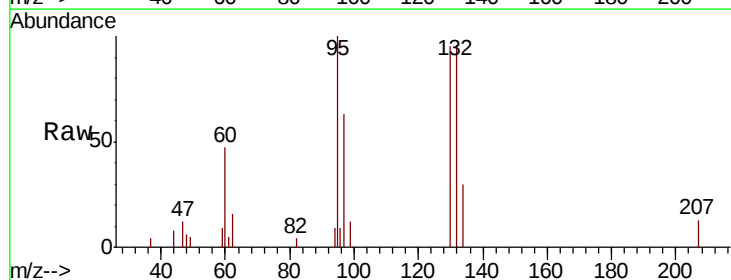
Acq: 17 Mar 2020 22:59

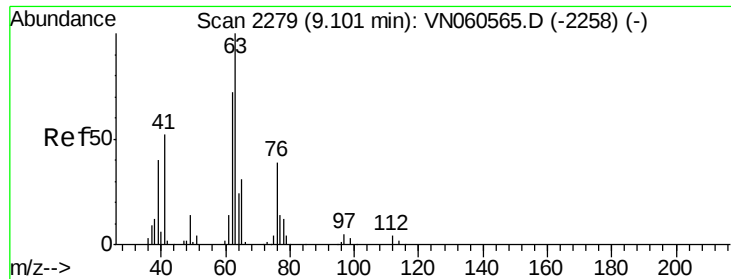
Tgt Ion: 130 Resp: 6738

Ion Ratio Lower Upper

130 100

95 104.9 0.0 211.2

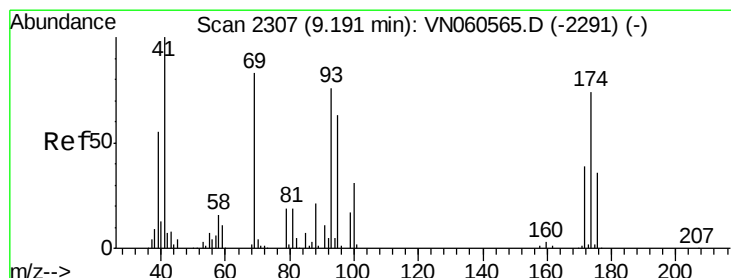
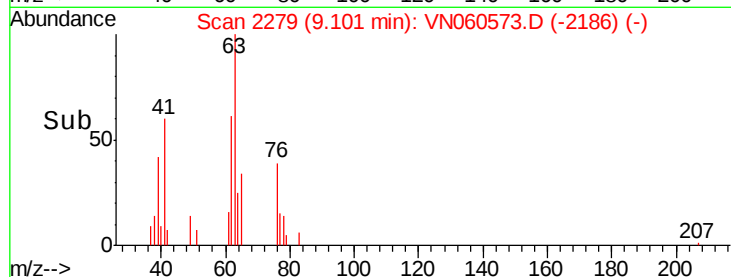
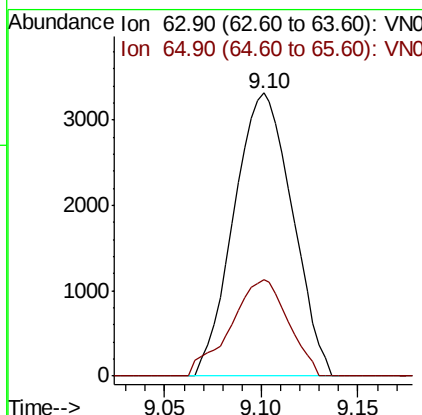
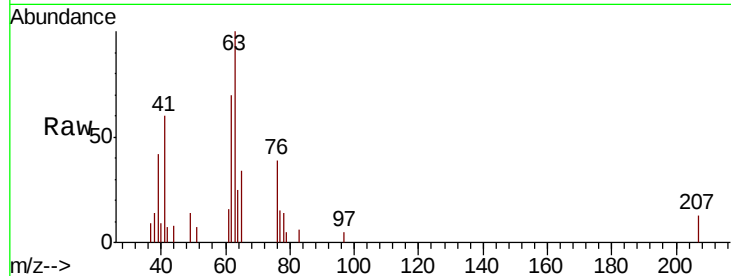




#45
 1,2-Dichloropropane
 Concen: 2.527 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

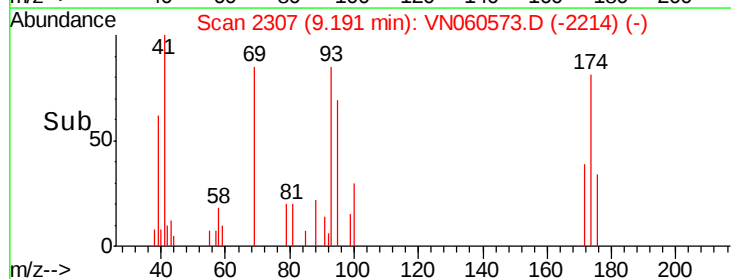
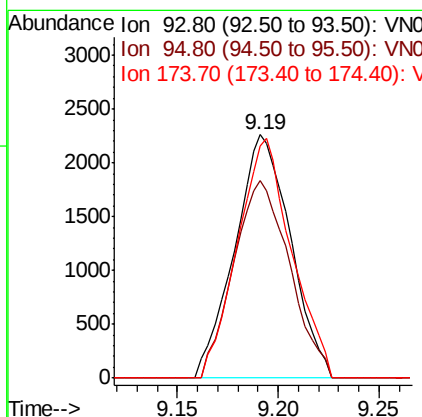
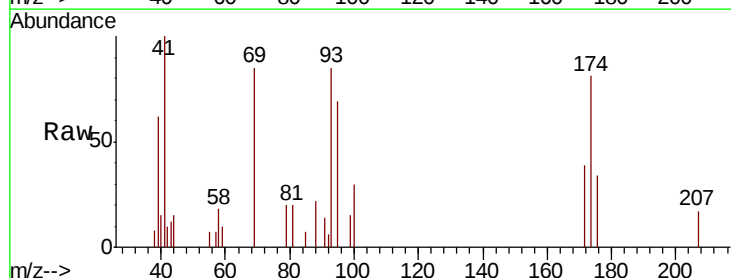
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion: 63 Resp: 6963
 Ion Ratio Lower Upper
 63 100
 65 34.1 25.4 38.0



#46
 Dibromomethane
 Concen: 2.615 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion: 93 Resp: 4357
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.4
 174 95.6 77.9 116.9





#47

Bromodichloromethane

Concen: 2.519 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

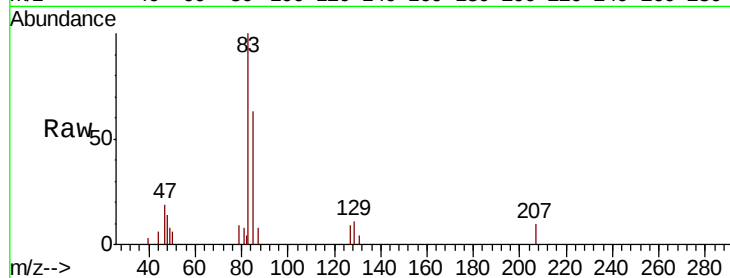
Tot Ion: 83 Resp: 8721

Ion Ratio Lower Upper

83 100

85 63.2 51.8 77.6

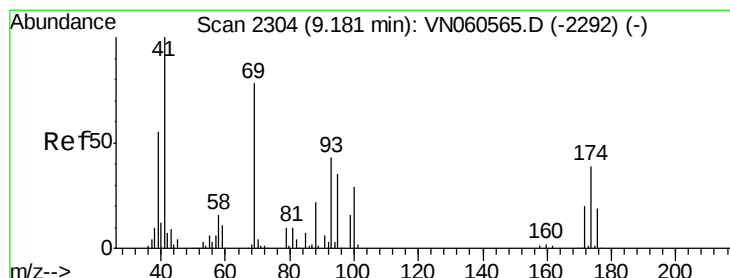
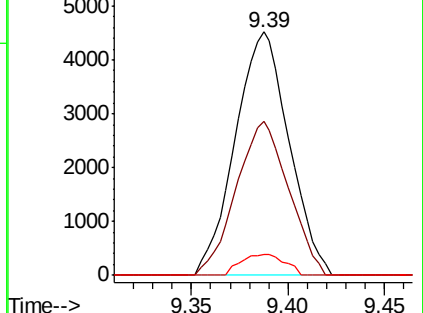
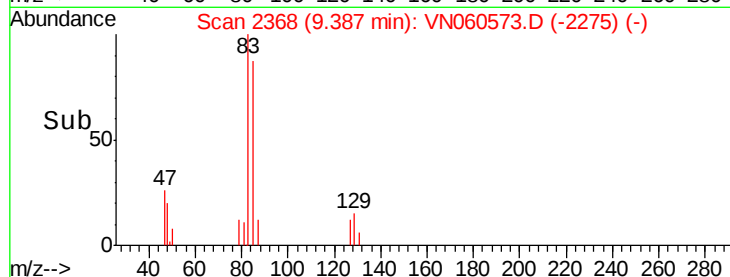
127 8.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060573.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060573.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060573.D (-2275) (-)



#48

Methyl methacrylate

Concen: 2.372 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

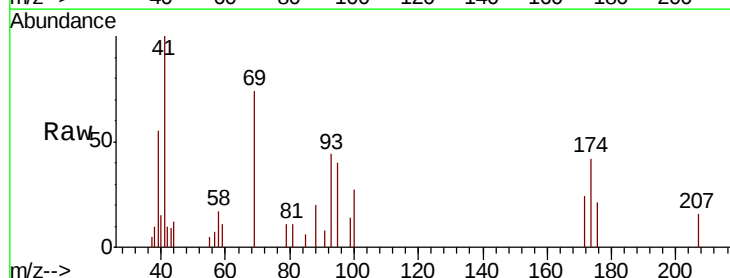
Tgt Ion: 41 Resp: 6510

Ion Ratio Lower Upper

41 100

69 75.9 65.4 98.0

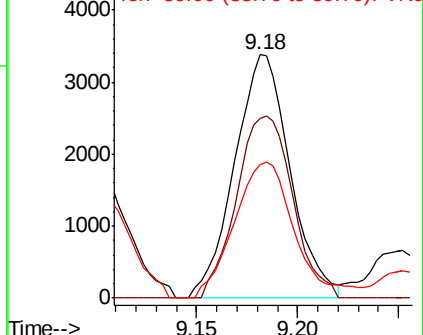
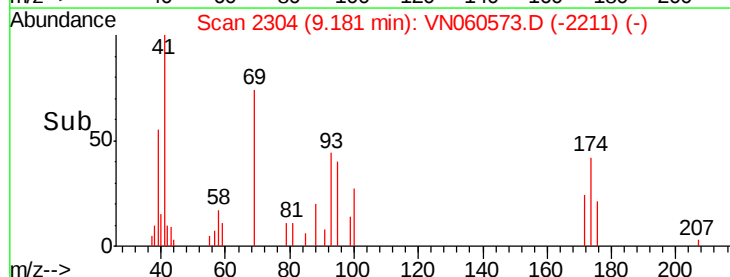
39 61.0 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060573.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060573.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060573.D (-2211) (-)

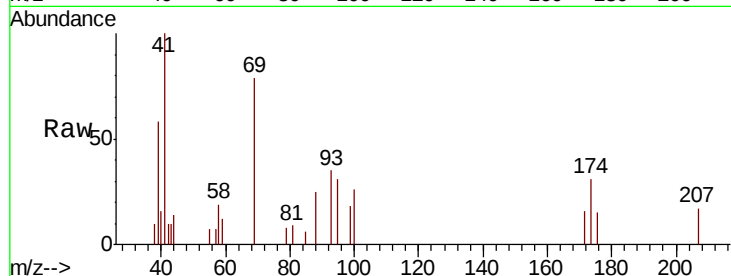




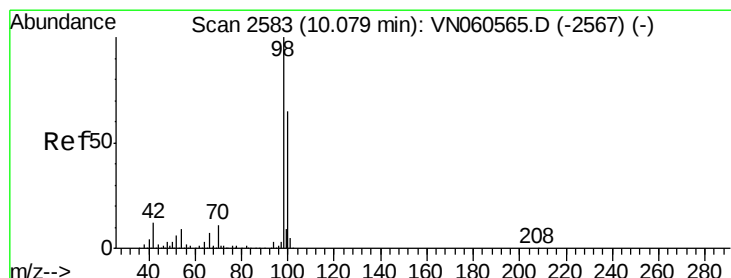
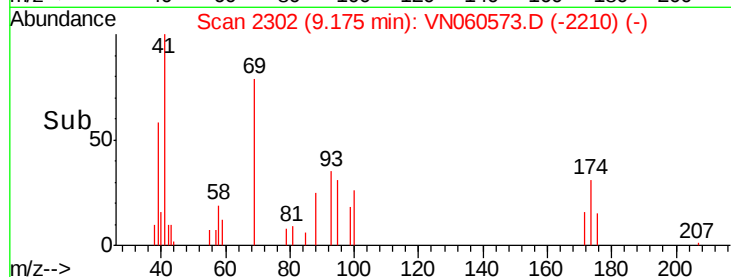
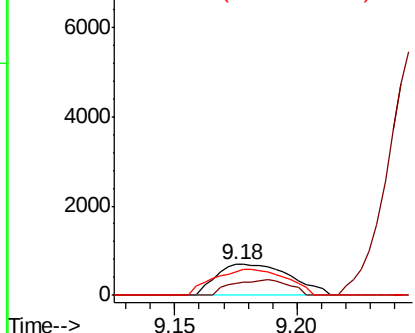
#49
1,4-Dioxane
Concen: 45.092 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

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

Tot Ion: 88 Resp: 1471
Ion Ratio Lower Upper
88 100
43 38.2 30.8 46.2
58 81.2 59.8 89.8

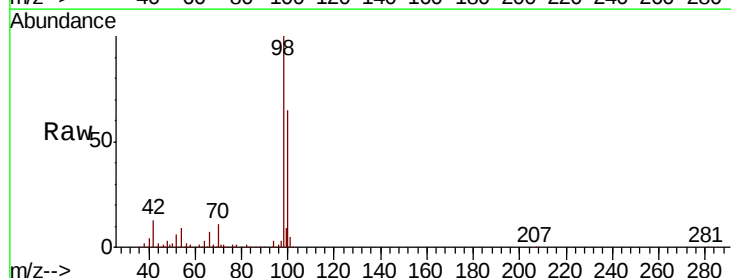


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

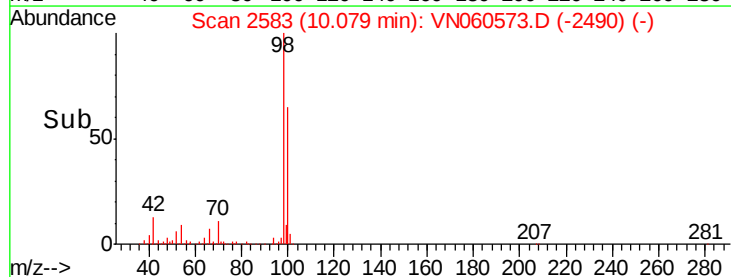
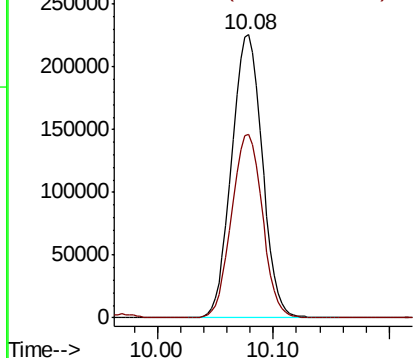


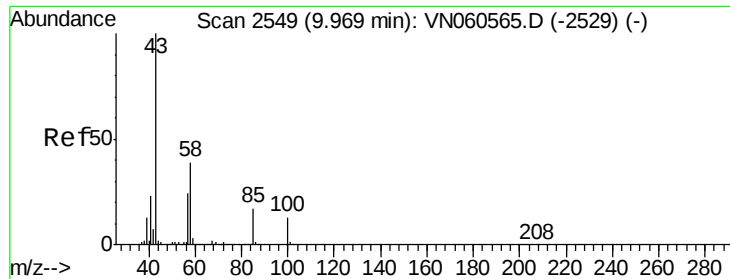
#50
Toluene-d8
Concen: 46.859 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 98 Resp: 413459
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8



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

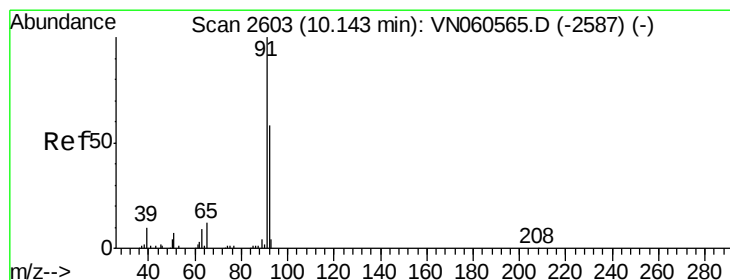
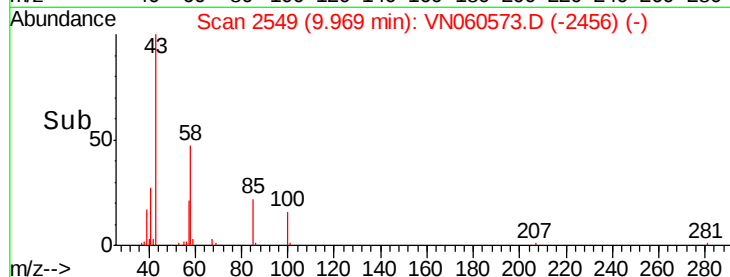
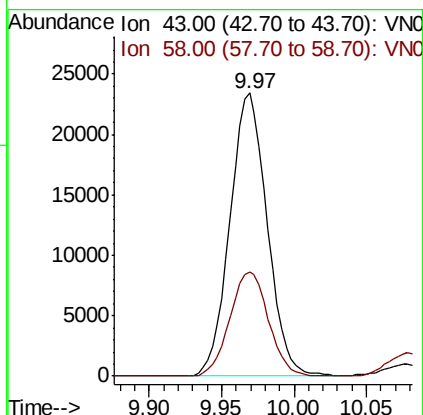
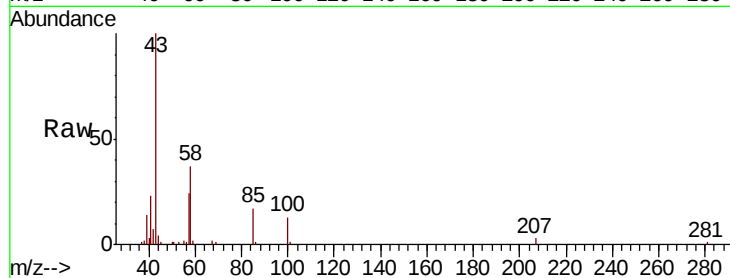




#51
4-Methyl-2-Pentanone
Concen: 11.922 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

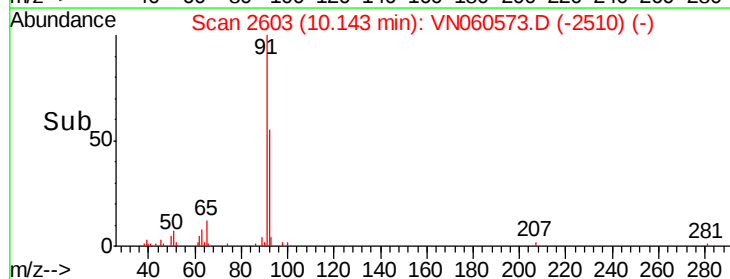
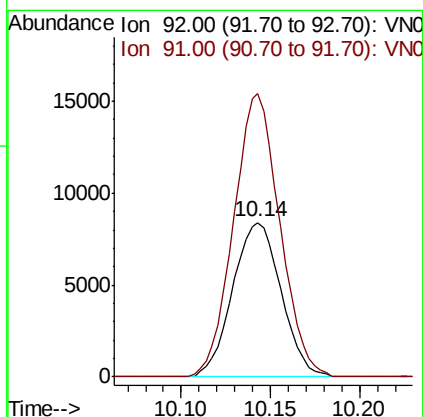
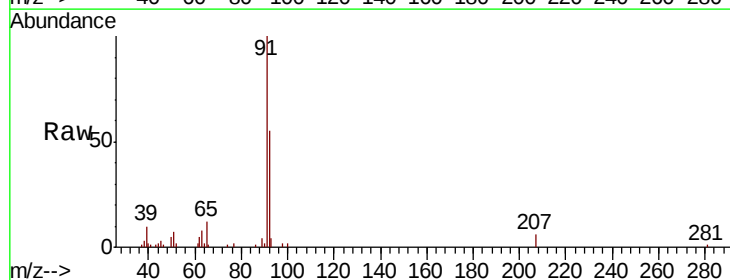
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

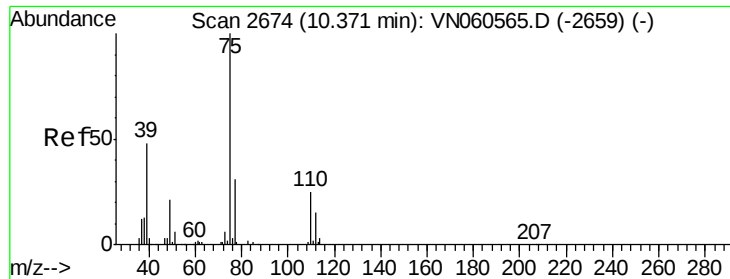
Tot Ion: 43 Resp: 41819
Ion Ratio Lower Upper
43 100
58 38.0 30.8 46.2



#52
Toluene
Concen: 2.521 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 92 Resp: 15897
Ion Ratio Lower Upper
92 100
91 175.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 2.521 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

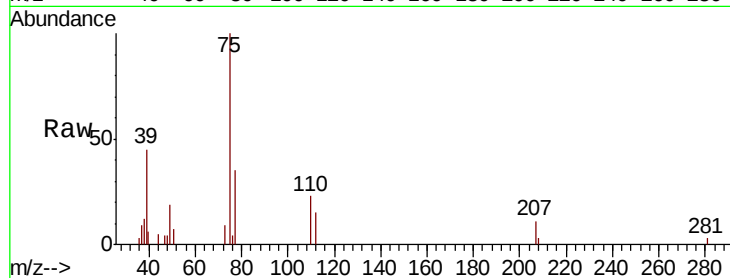
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 75 Resp: 10023

Ion Ratio Lower Upper

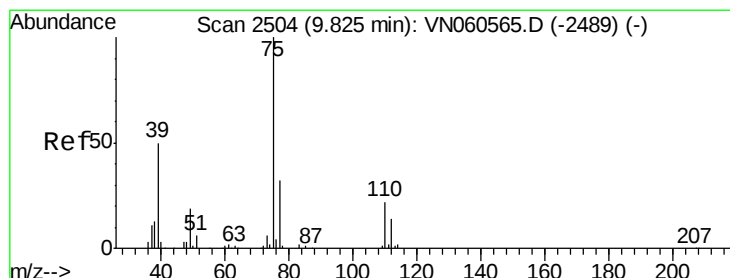
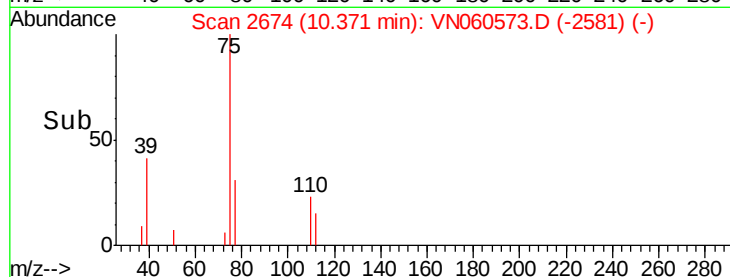
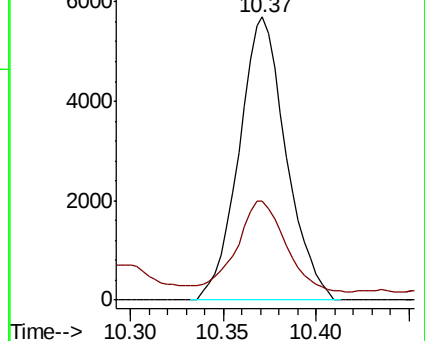
75 100

77 31.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 2.455 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

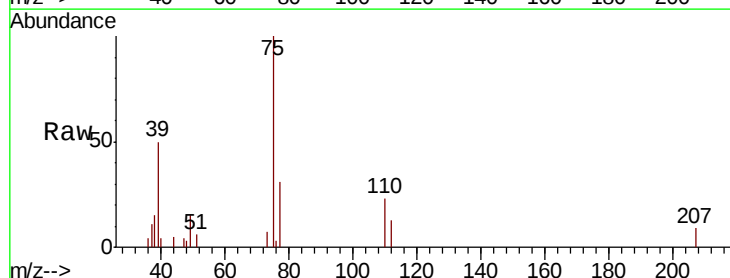
Tgt Ion: 75 Resp: 10708

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

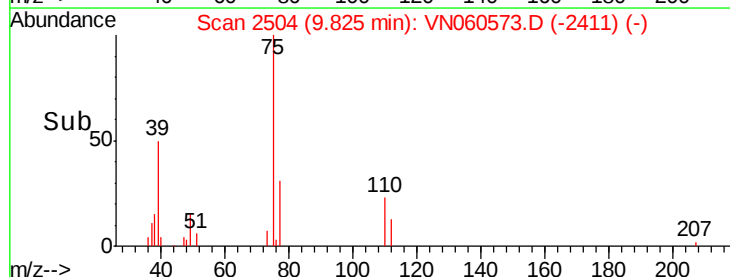
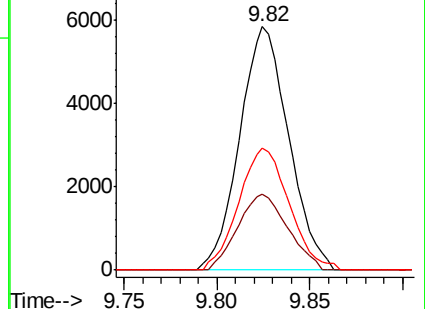
39 49.9 40.2 60.4

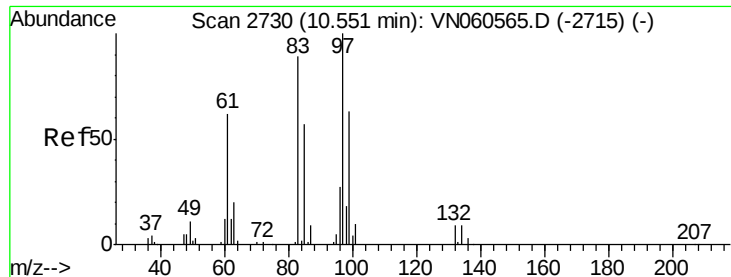


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 2.468 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 97 Resp: 5989

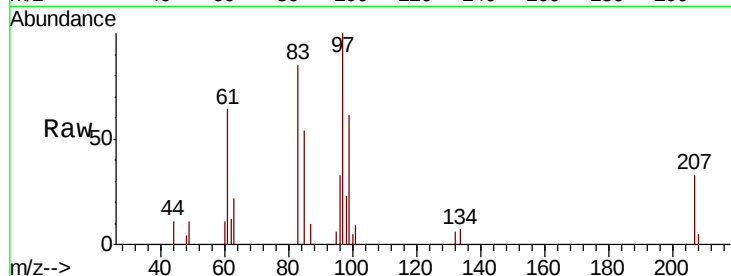
Ion Ratio Lower Upper

97 100

83 84.8 71.3 106.9

85 54.0 45.2 67.8

99 61.4 50.1 75.1



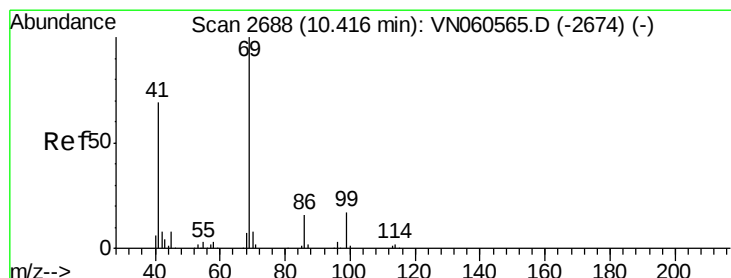
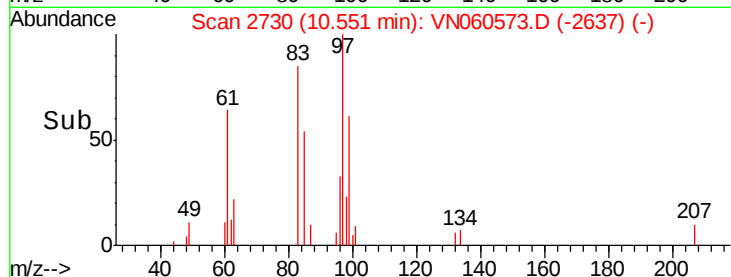
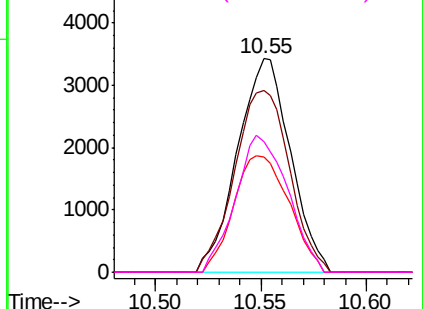
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 2.156 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

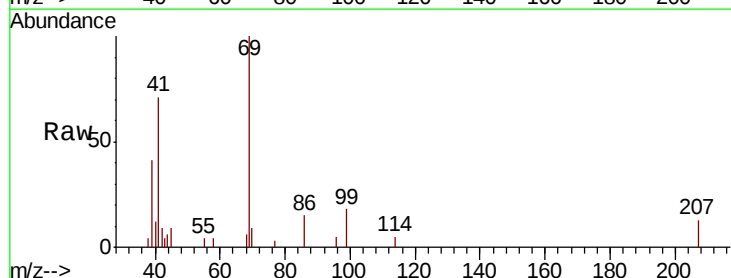
Tgt Ion: 69 Resp: 8155

Ion Ratio Lower Upper

69 100

41 71.5 55.4 83.2

39 41.9 29.4 44.0

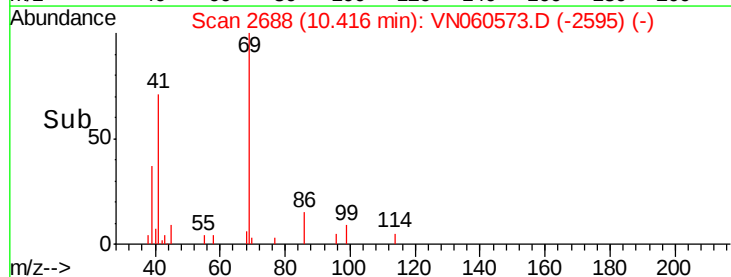
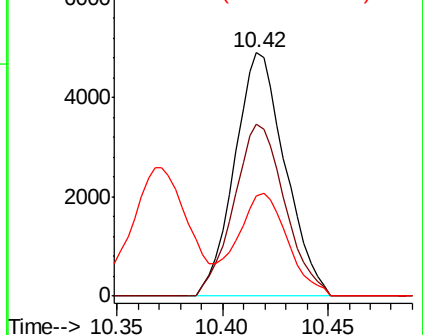


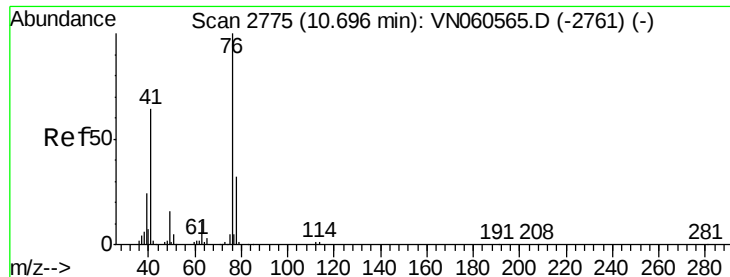
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 2.557 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

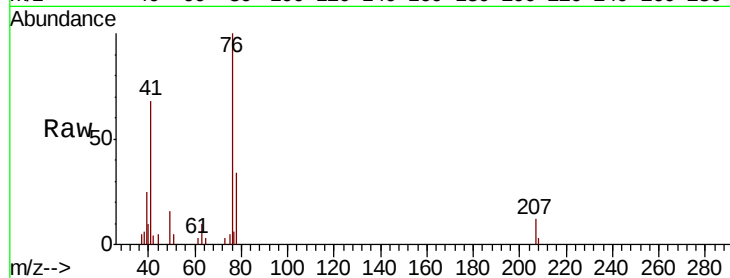
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 10764

Ion Ratio Lower Upper

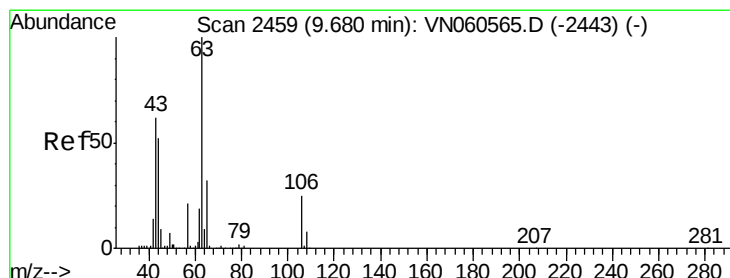
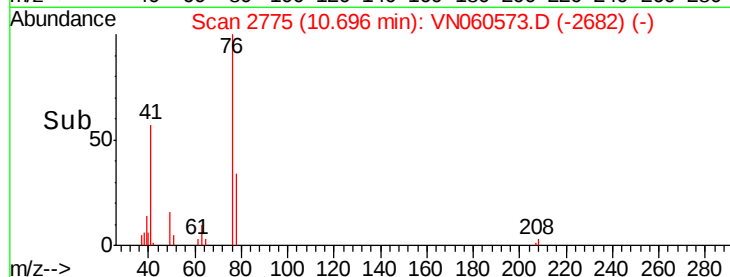
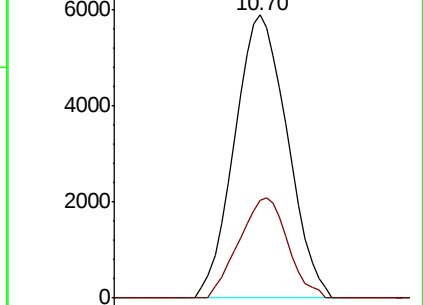
76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060573.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060573.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 10.823 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060573.D

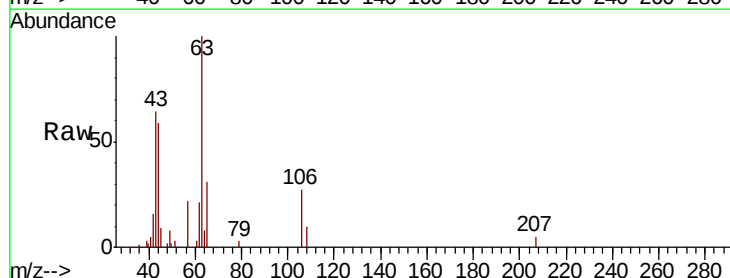
Acq: 17 Mar 2020 22:59

Tgt Ion: 63 Resp: 20350

Ion Ratio Lower Upper

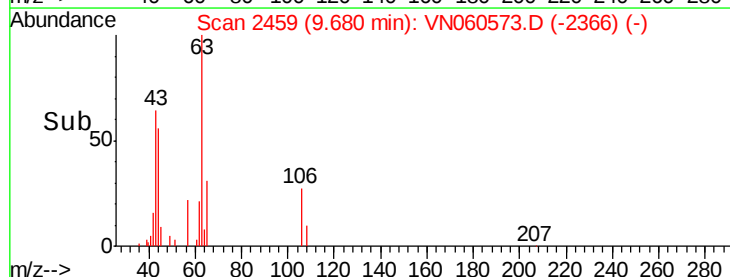
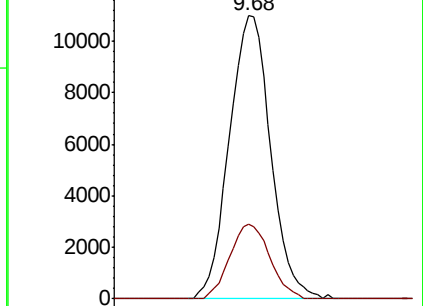
63 100

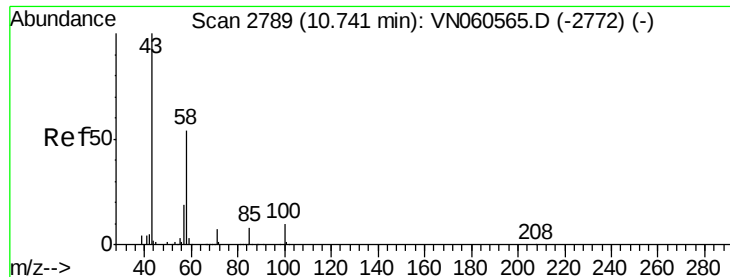
106 25.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060573.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060573.D (-2366) (-)

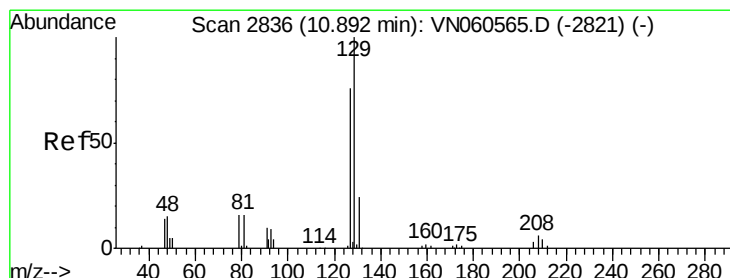
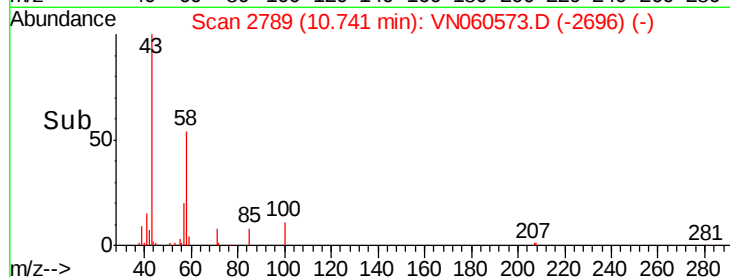
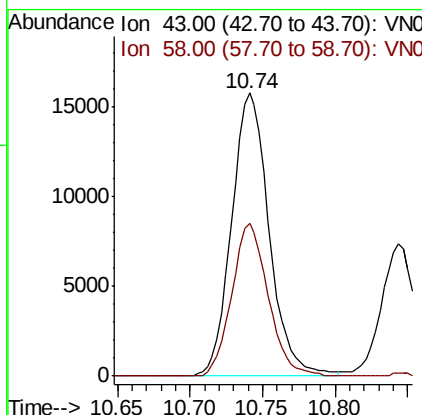
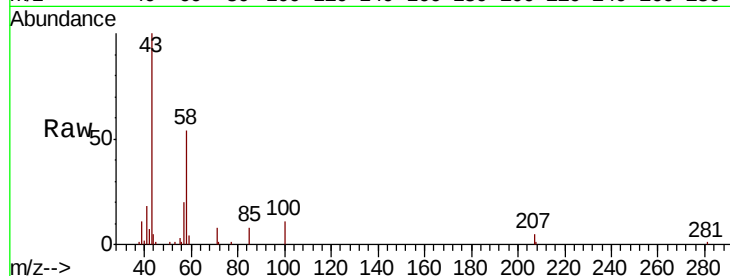




#59
2-Hexanone
Concen: 11.194 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

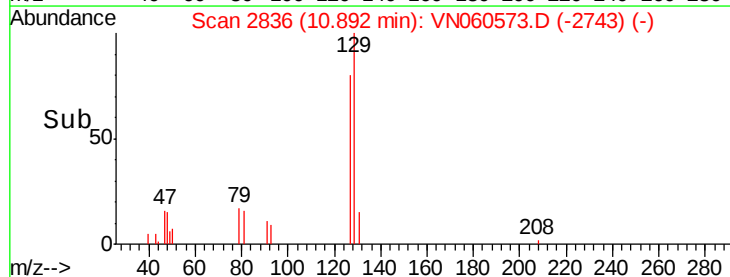
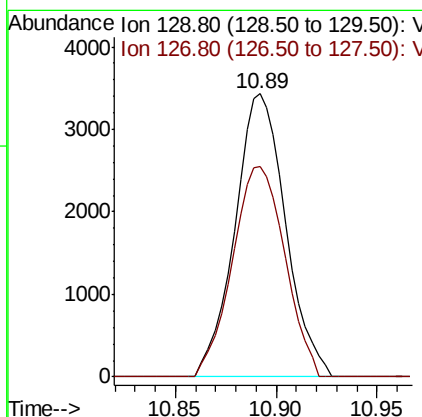
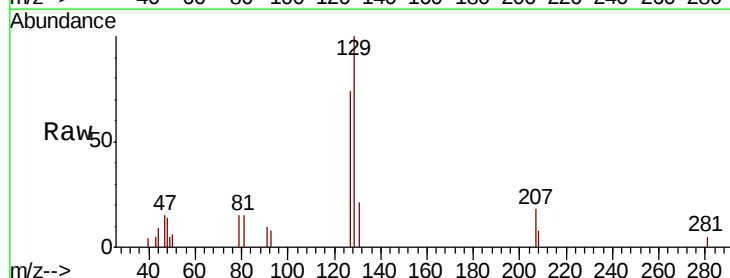
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

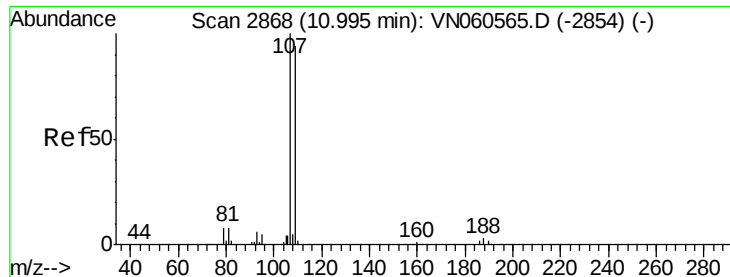
Tot Ion: 43 Resp: 28286
Ion Ratio Lower Upper
43 100
58 52.1 26.7 80.1



#60
Dibromochloromethane
Concen: 2.406 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 129 Resp: 6030
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

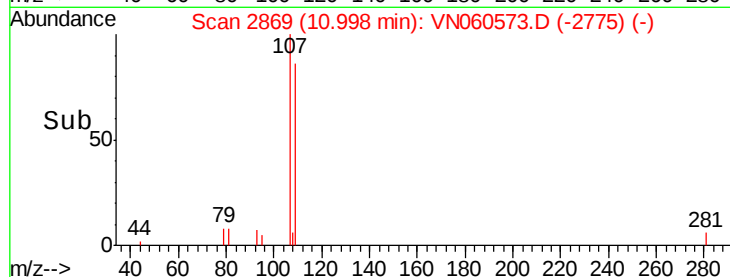
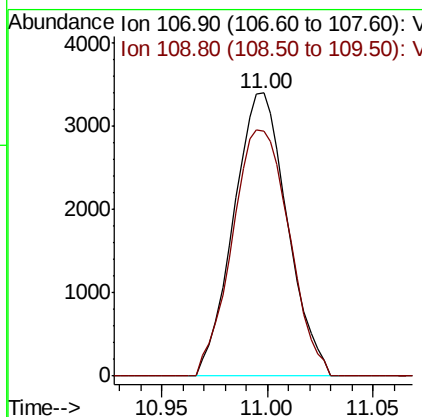
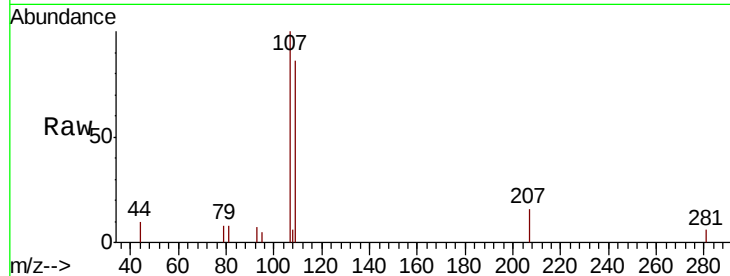




#61
 1,2-Dibromoethane
 Concen: 2.463 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

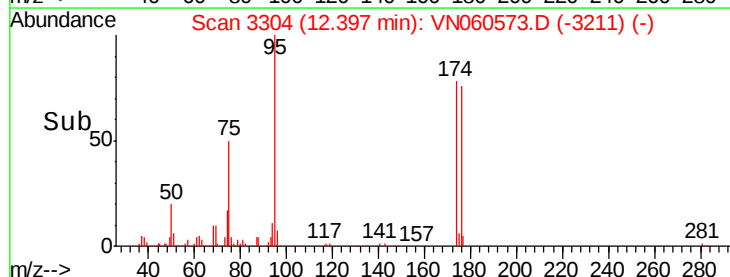
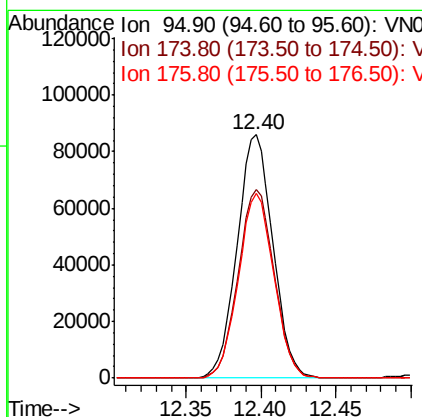
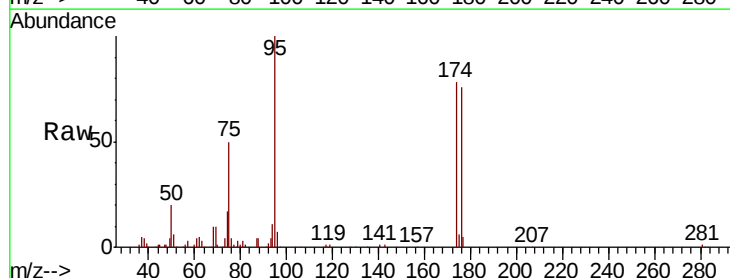
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion: 107 Resp: 6008
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 44.293 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion: 95 Resp: 143228
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 157.6
 176 75.4 0.0 150.6

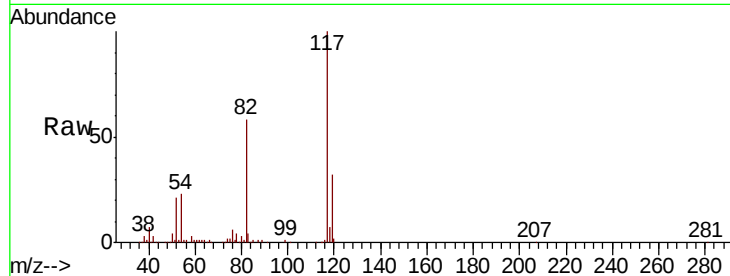




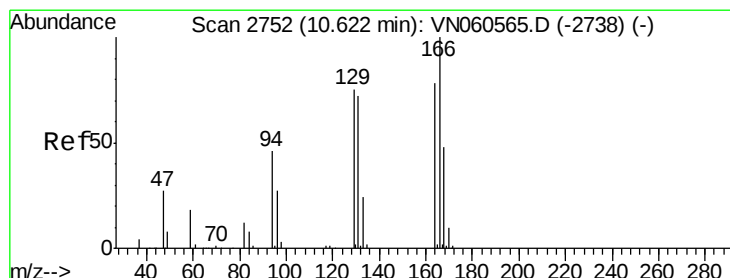
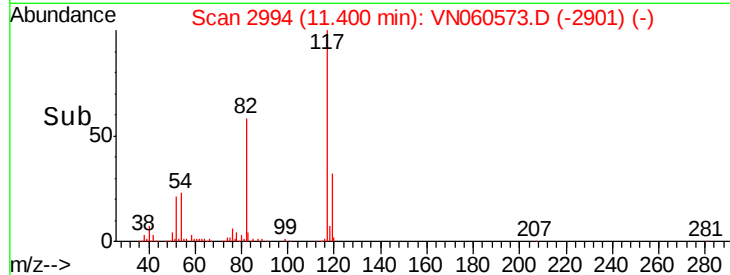
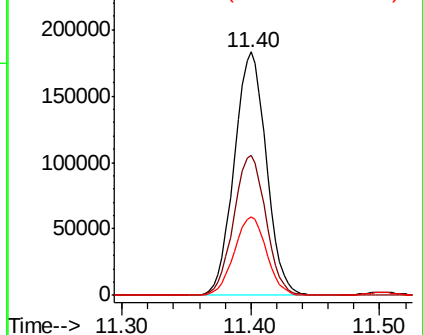
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

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

Tot Ion:117 Resp: 317056
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 32.2 25.5 38.3

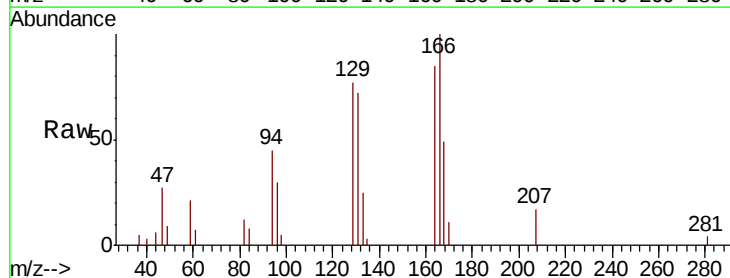


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

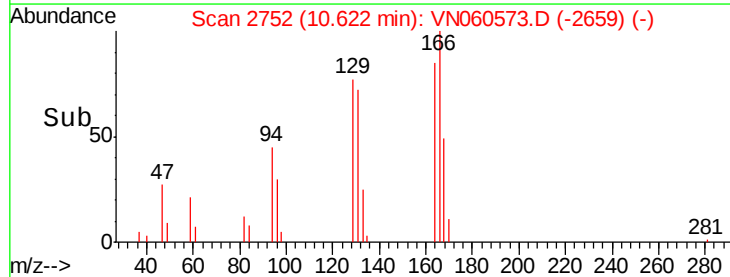
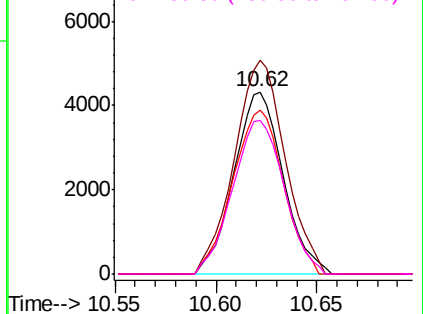


#64
Tetrachloroethene
Concen: 2.959 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:164 Resp: 7383
Ion Ratio Lower Upper
164 100
166 117.4 102.7 154.1
129 90.2 77.2 115.8
131 84.4 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

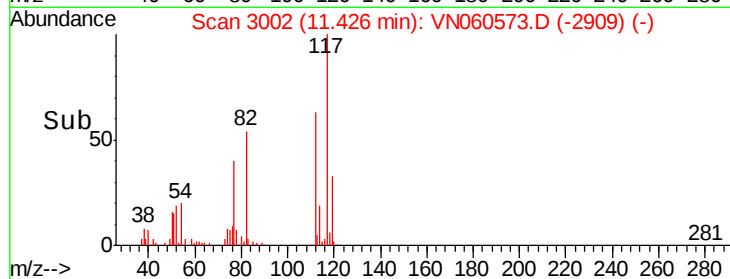
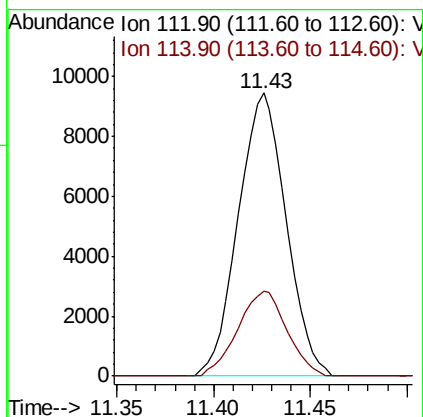
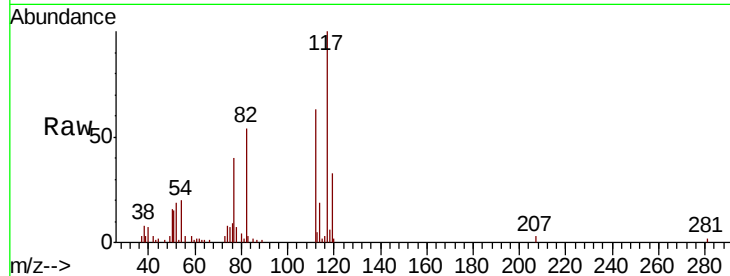




#65
Chlorobenzene
Concen: 2.581 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

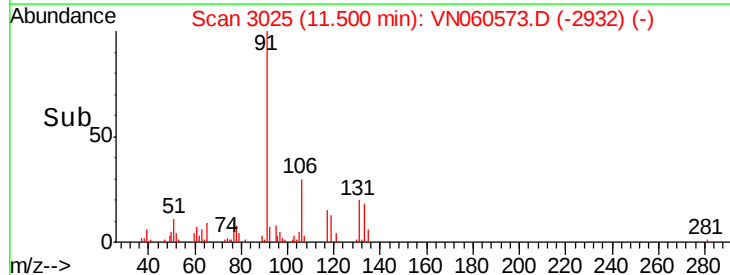
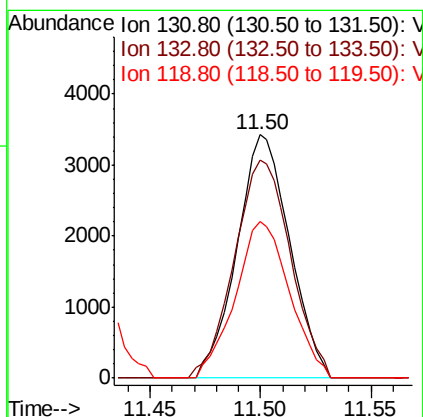
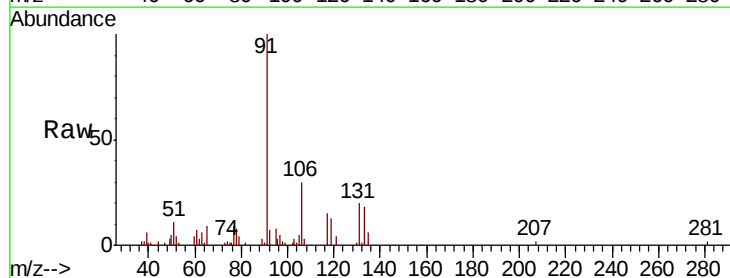
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:112 Resp: 16223
Ion Ratio Lower Upper
112 100
114 30.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.496 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:131 Resp: 5680
Ion Ratio Lower Upper
131 100
133 95.8 48.9 146.8
119 66.3 33.9 101.7

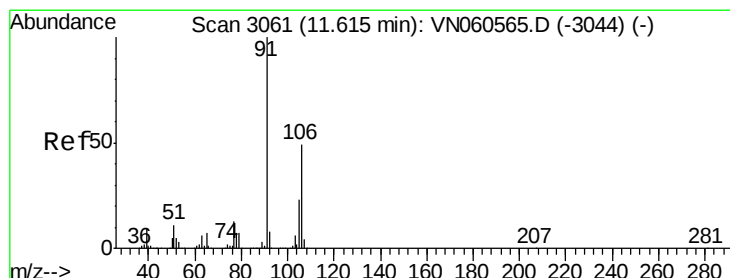
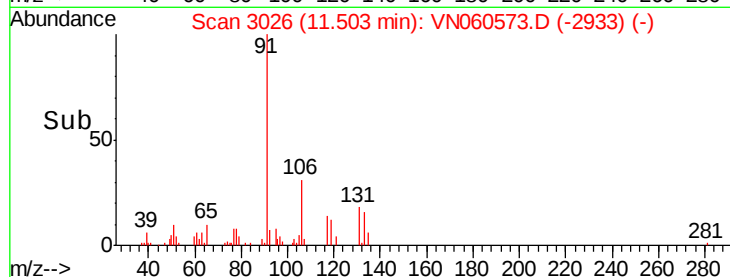
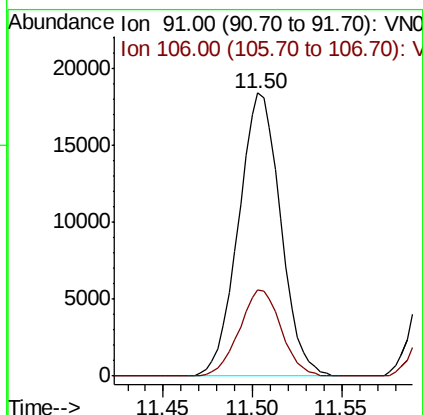
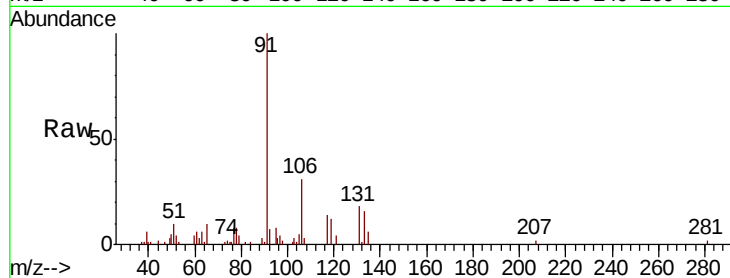




#67
Ethyl Benzene
Concen: 2.586 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

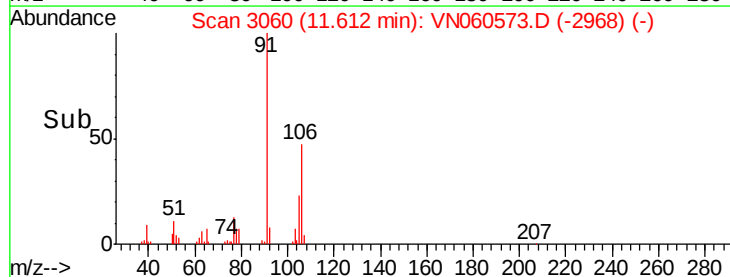
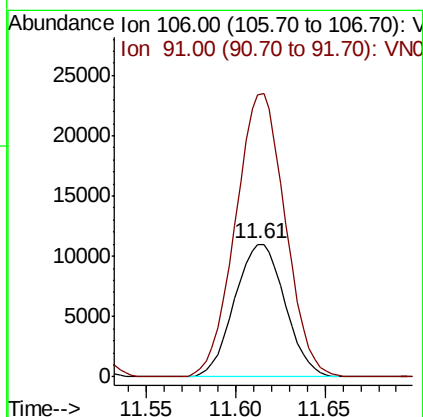
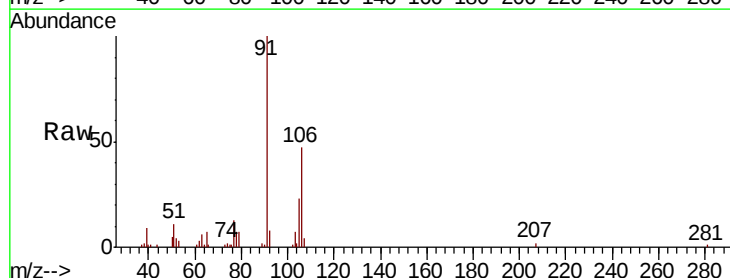
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 30226
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2



#68
m/p-Xylenes
Concen: 4.995 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 106 Resp: 21698
Ion Ratio Lower Upper
106 100
91 210.8 165.0 247.4

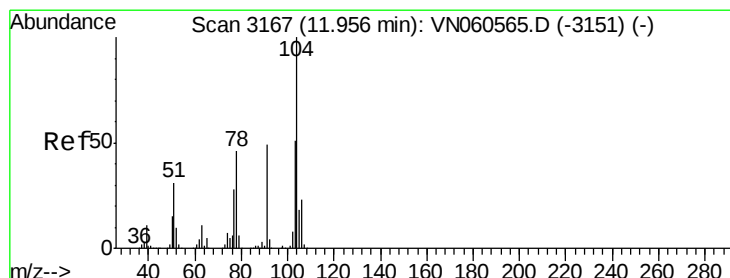
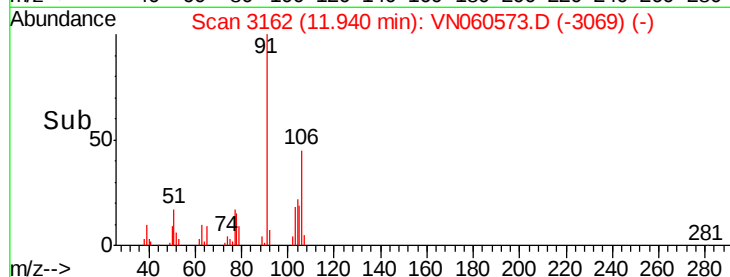
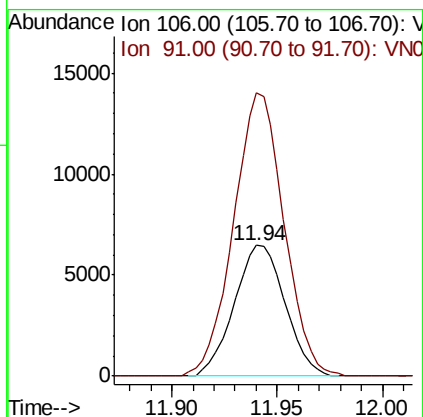
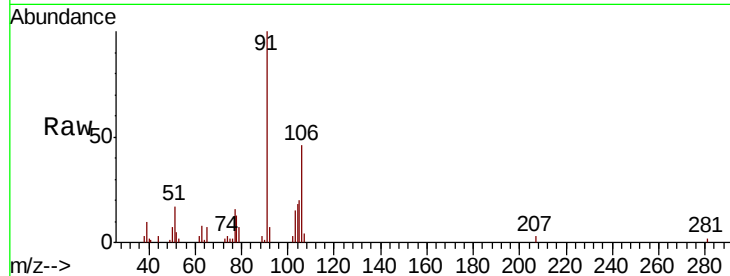




#69
o-Xylene
Concen: 2.613 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

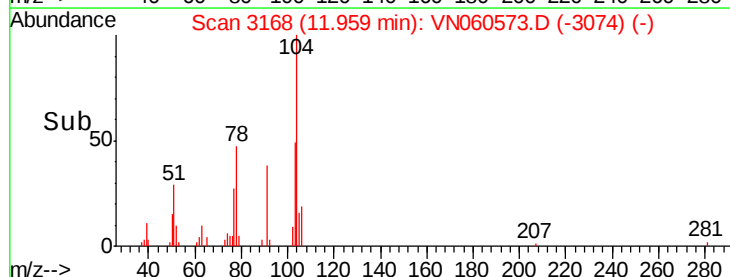
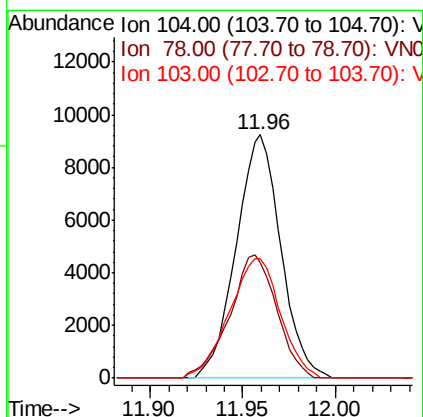
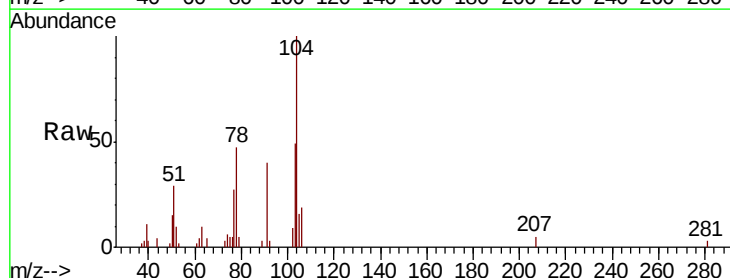
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

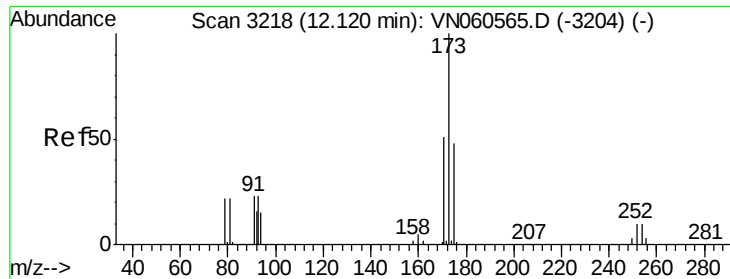
Tot Ion:106 Resp: 10836
Ion Ratio Lower Upper
106 100
91 214.3 109.5 328.4



#70
Styrene
Concen: 2.284 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:104 Resp: 15487
Ion Ratio Lower Upper
104 100
78 53.3 41.2 61.8
103 56.2 44.0 66.0

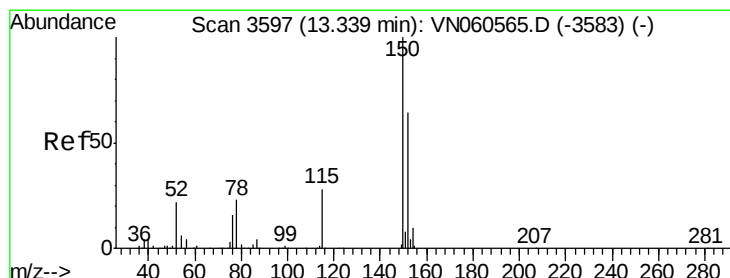
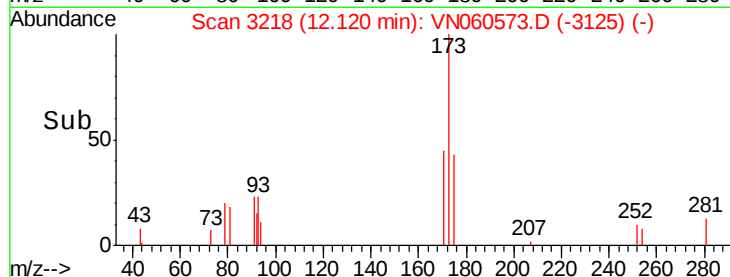
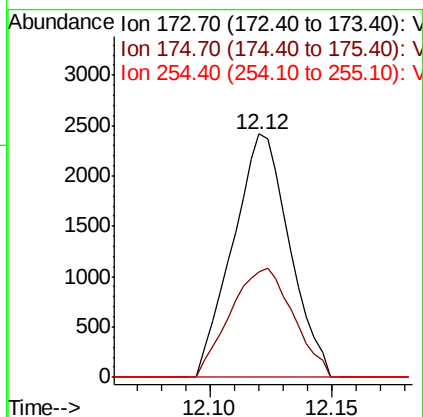
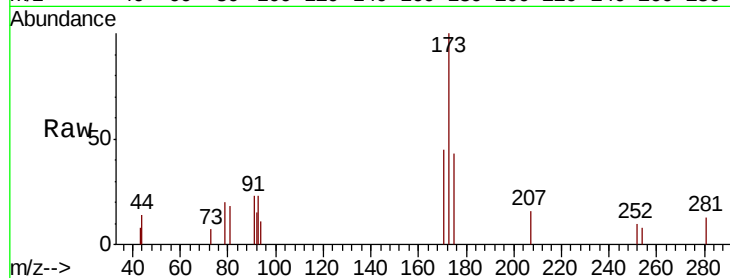




#71
Bromoform
Concen: 2.286 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

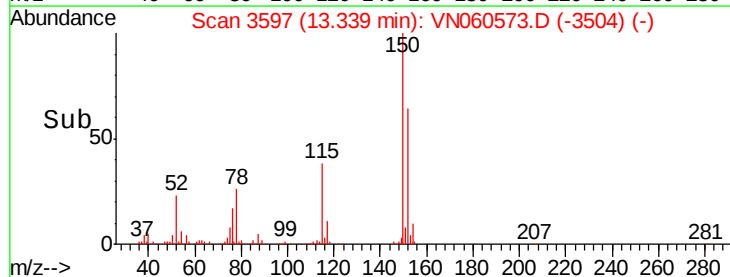
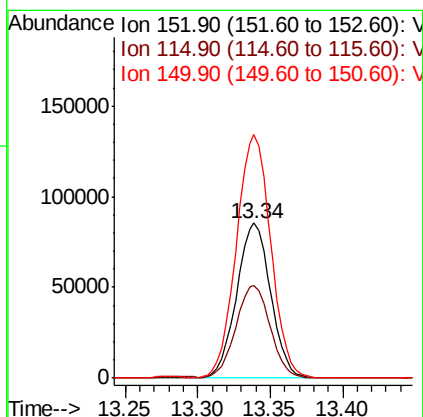
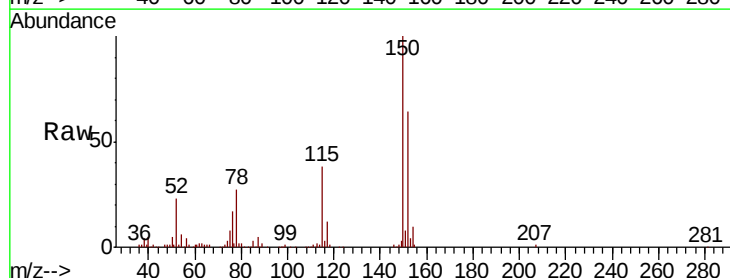
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:173 Resp: 3882
Ion Ratio Lower Upper
173 100
175 49.7 24.1 72.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:152 Resp: 139209
Ion Ratio Lower Upper
152 100
115 60.2 30.2 90.6
150 158.2 0.0 350.2





#73

Isopropylbenzene

Concen: 2.643 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

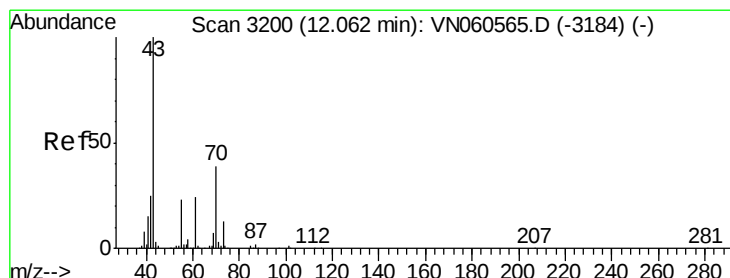
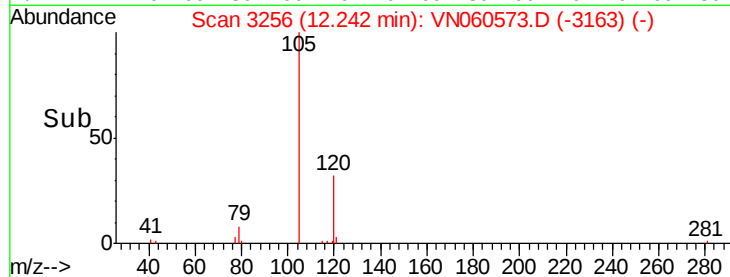
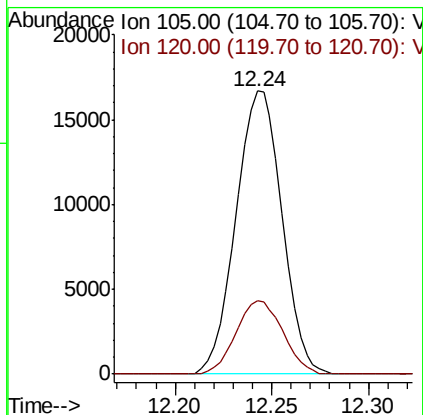
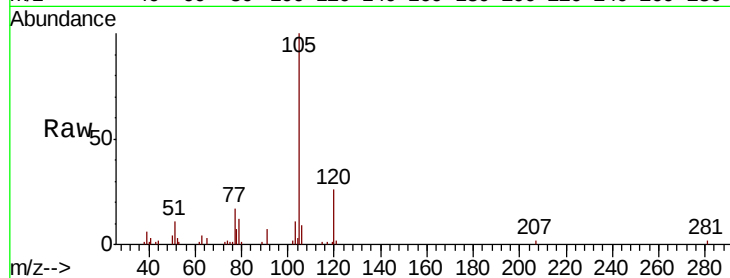
LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 27616

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 2.429 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Tgt Ion: 43 Resp: 11725

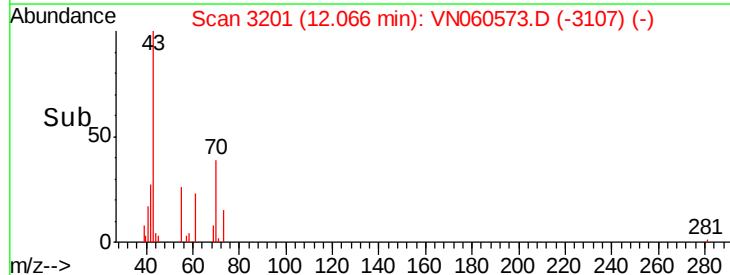
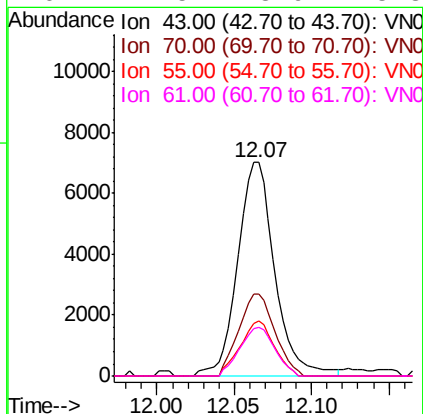
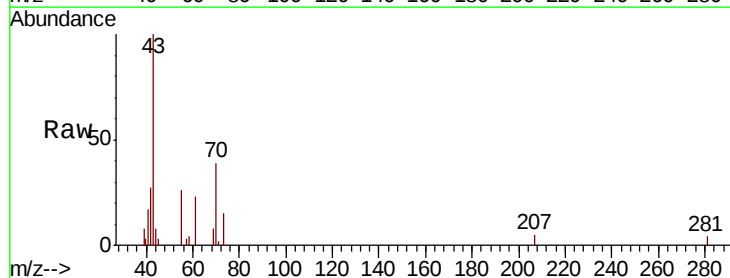
Ion Ratio Lower Upper

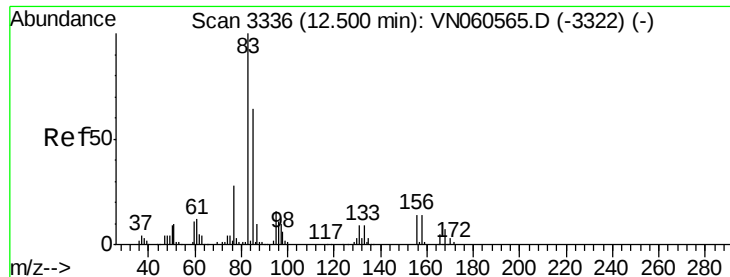
43 100

70 36.9 31.1 46.7

55 23.4 18.6 27.8

61 21.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 2.593 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

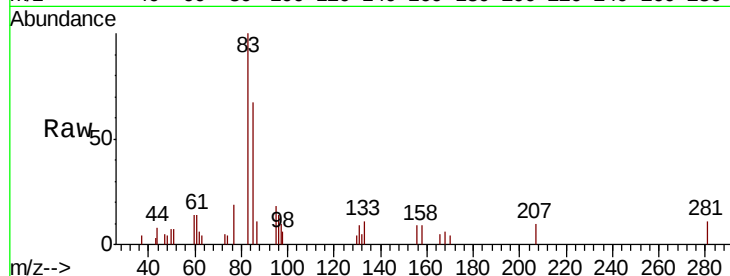
Tot Ion: 83 Resp: 8191

Ion Ratio Lower Upper

83 100

131 8.4 4.9 14.7

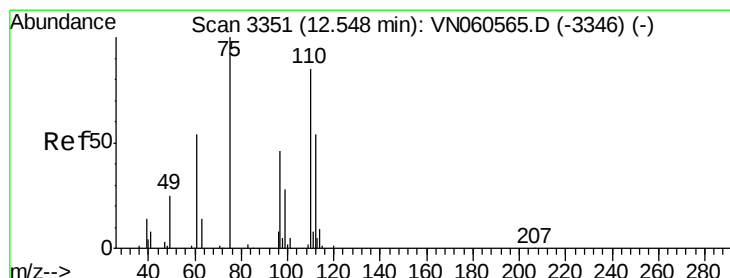
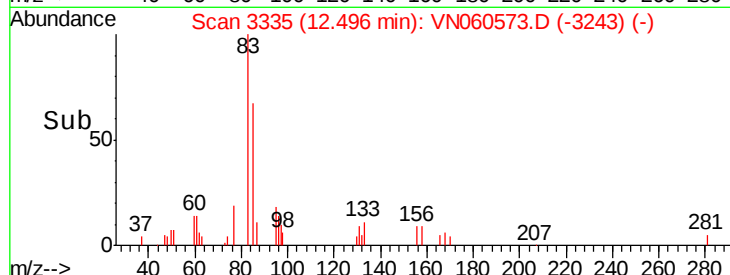
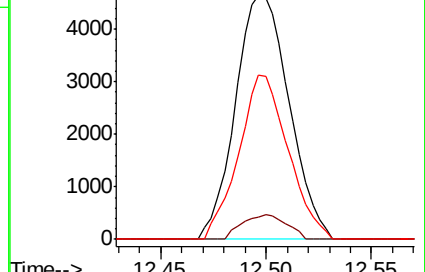
85 62.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060565.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 3.582 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060573.D

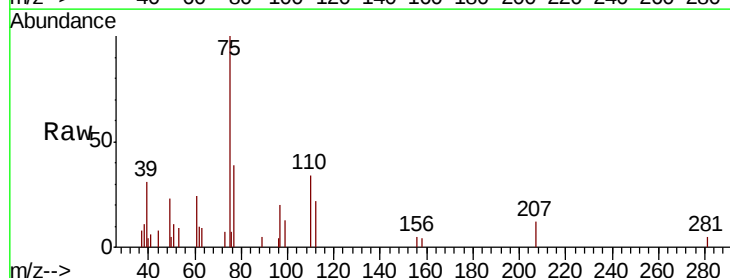
Acq: 17 Mar 2020 22:59

Tgt Ion: 75 Resp: 10760

Ion Ratio Lower Upper

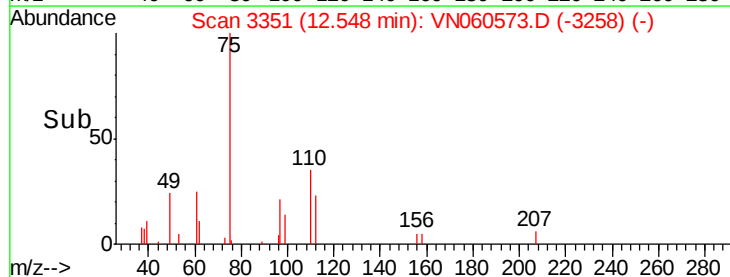
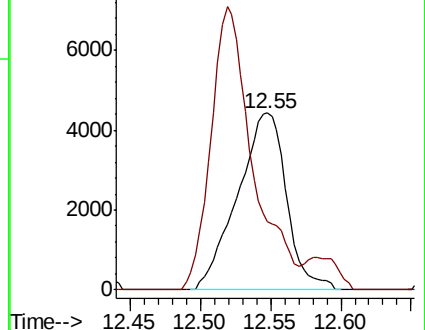
75 100

77 0.0 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) (-)





#77

Bromobenzene

Concen: 2.695 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

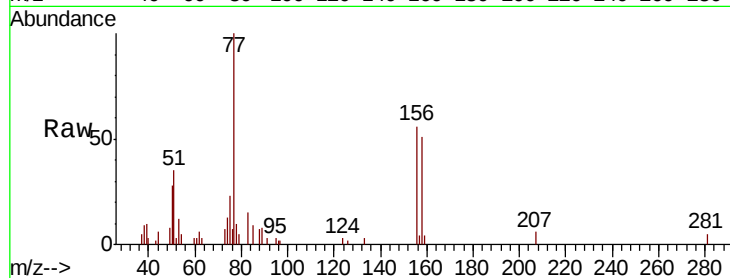
Tot Ion:156 Resp: 6785

Ion Ratio Lower Upper

156 100

77 214.6 112.3 337.0

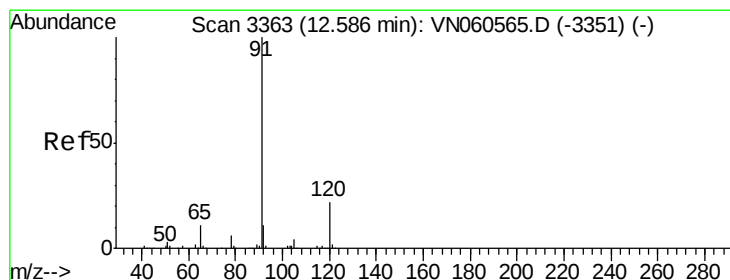
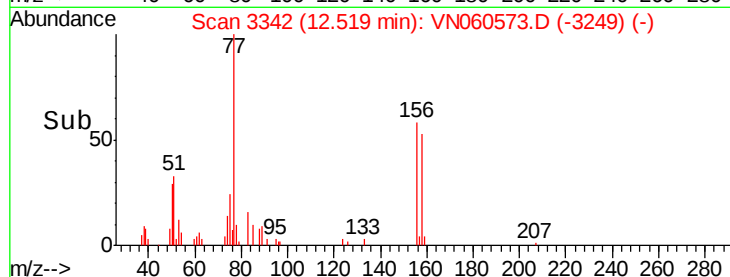
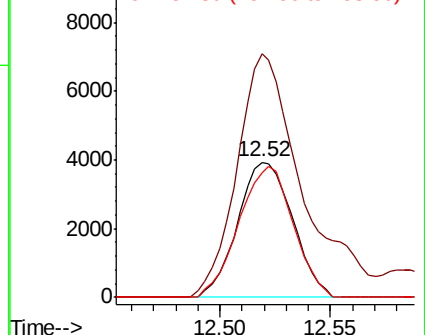
158 95.9 48.6 145.8



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: 2.683 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060573.D

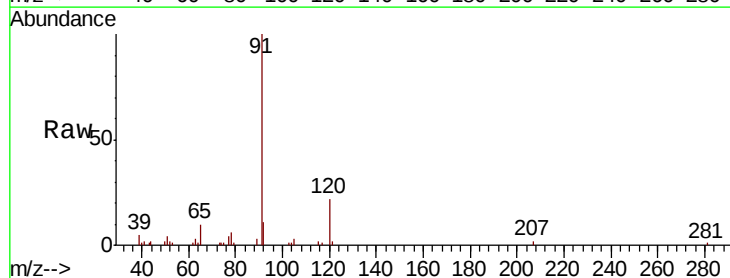
Acq: 17 Mar 2020 22:59

Tgt Ion: 91 Resp: 33121

Ion Ratio Lower Upper

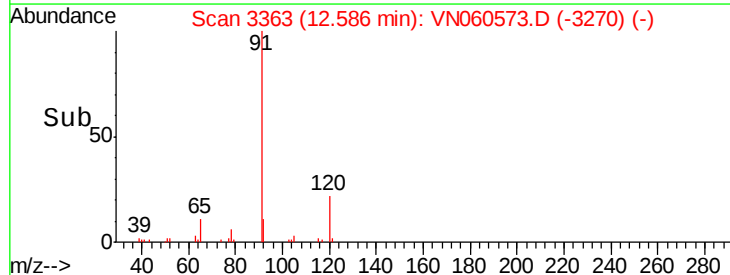
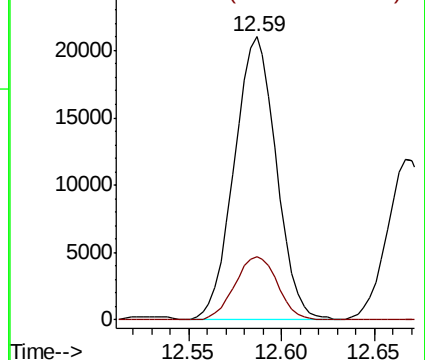
91 100

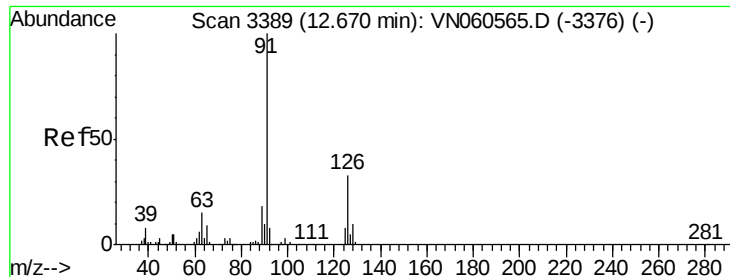
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

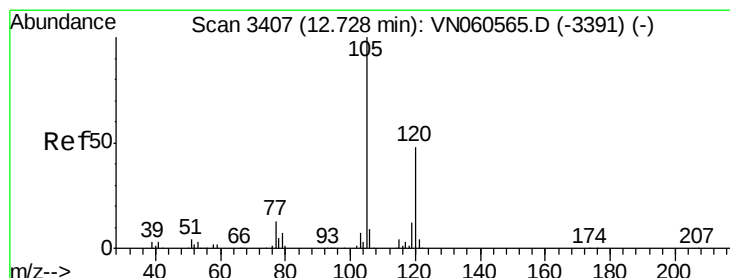
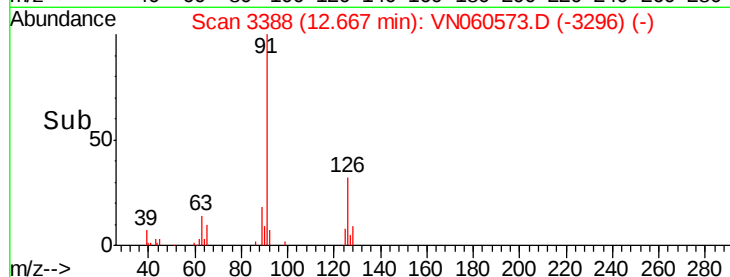
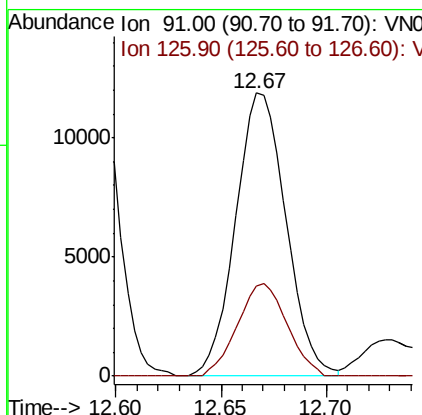
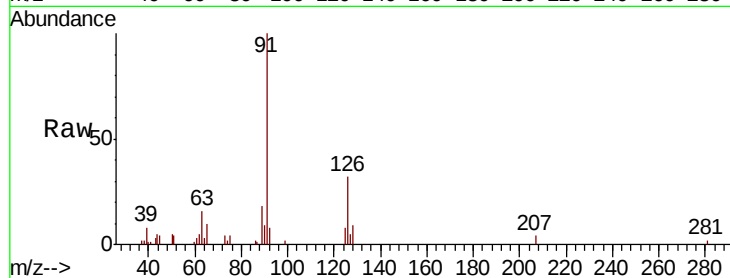




#79
2-Chlorotoluene
Concen: 2.677 ug/l
RT: 12.67 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

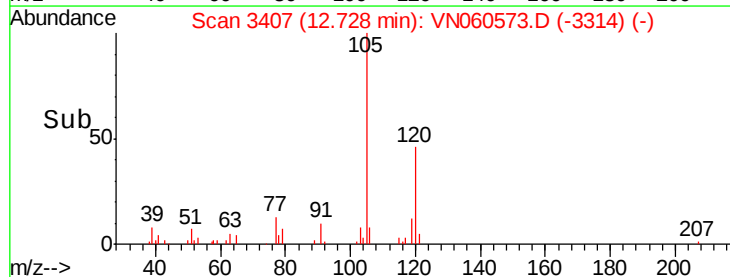
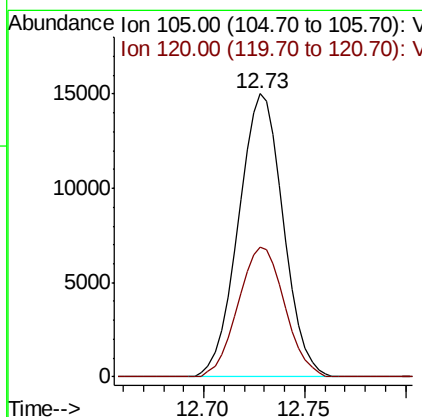
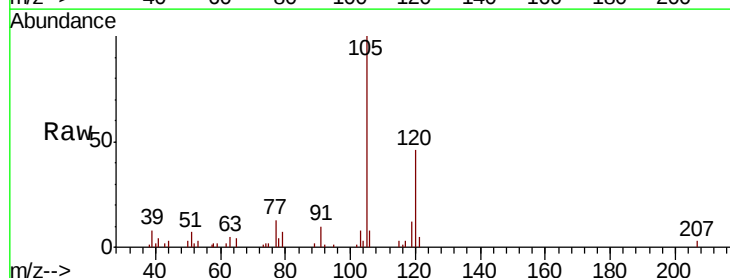
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 19743
Ion Ratio Lower Upper
91 100
126 32.1 16.4 49.1



#80
1,3,5-Trimethylbenzene
Concen: 2.632 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:105 Resp: 23330
Ion Ratio Lower Upper
105 100
120 47.8 23.9 71.7

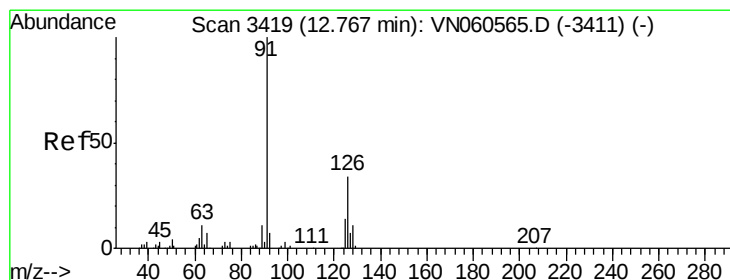
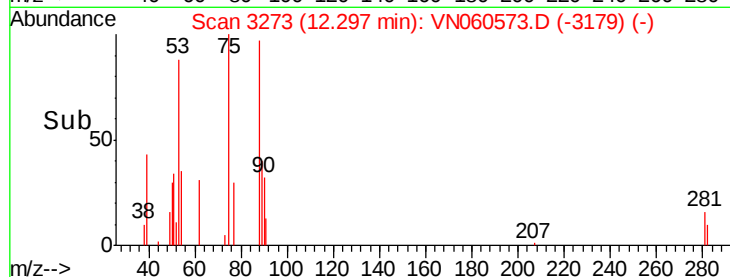
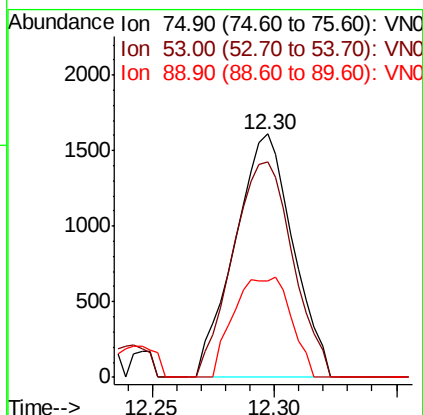
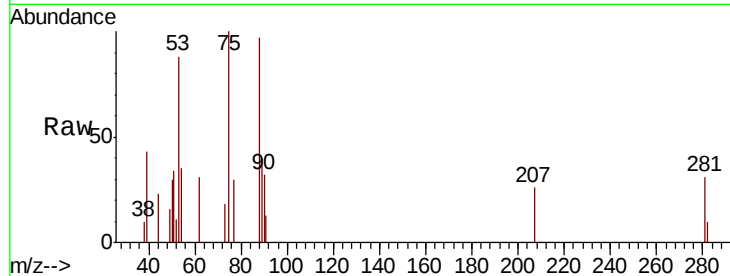




#81
trans-1,4-Dichloro-2-butene
Concen: 2.270 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

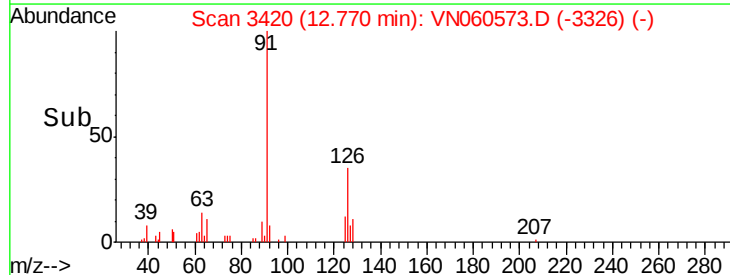
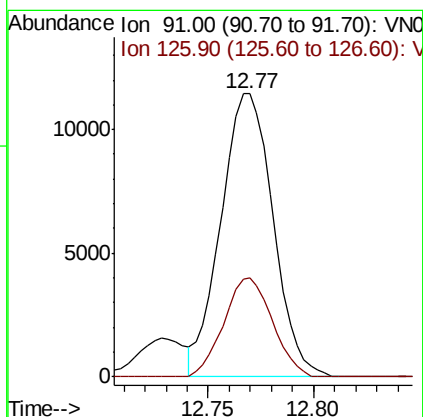
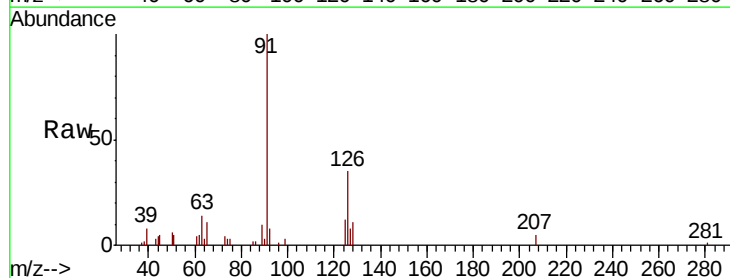
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

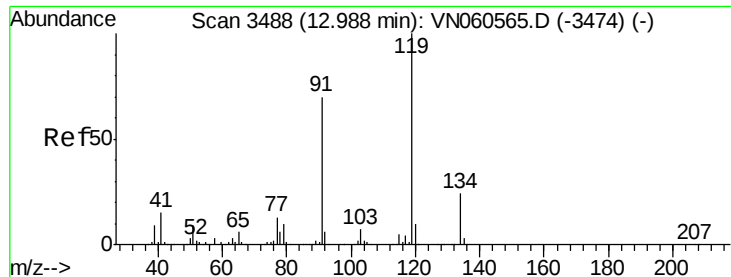
Tot Ion: 75 Resp: 2655
Ion Ratio Lower Upper
75 100
53 91.5 73.0 109.4
89 40.5 34.8 52.2



#82
4-Chlorotoluene
Concen: 2.617 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 91 Resp: 19657
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.5

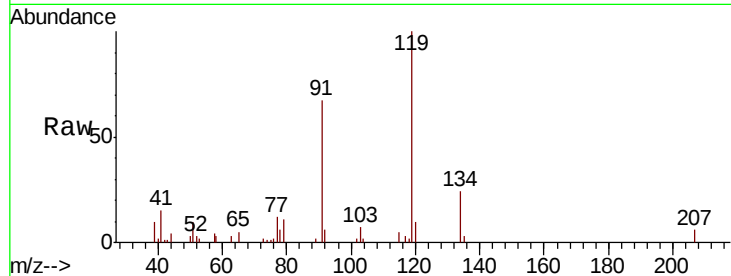




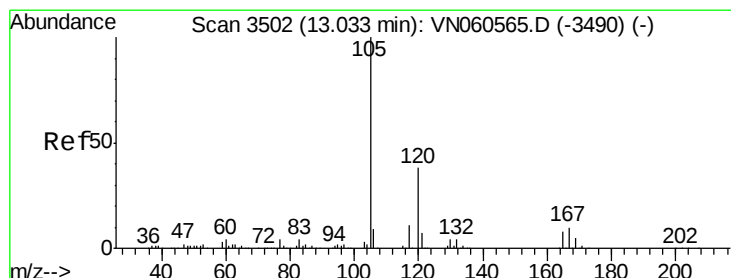
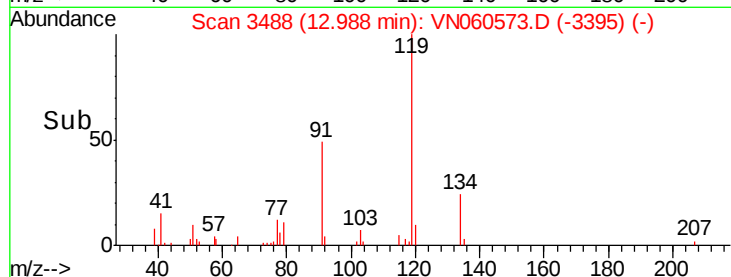
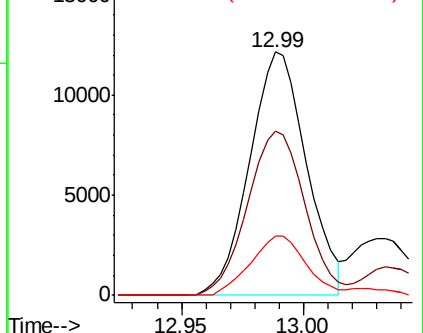
#83
tert-Butylbenzene
Concen: 2.673 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

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

Tot Ion:119 Resp: 19648
Ion Ratio Lower Upper
119 100
91 68.1 34.0 101.8
134 23.9 12.7 38.0

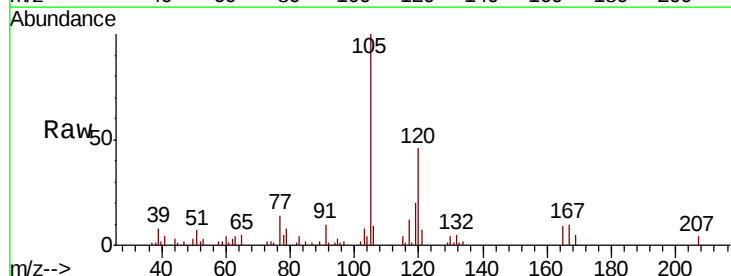


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

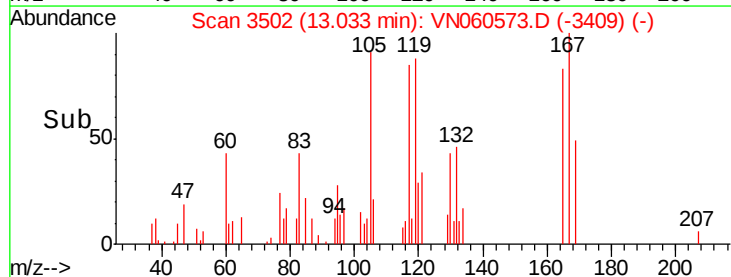
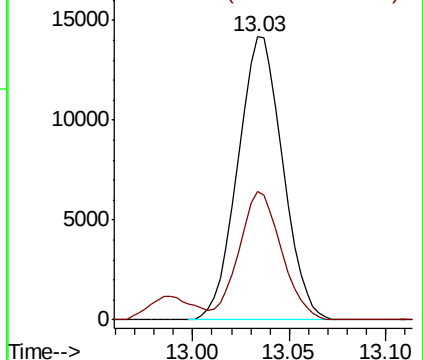


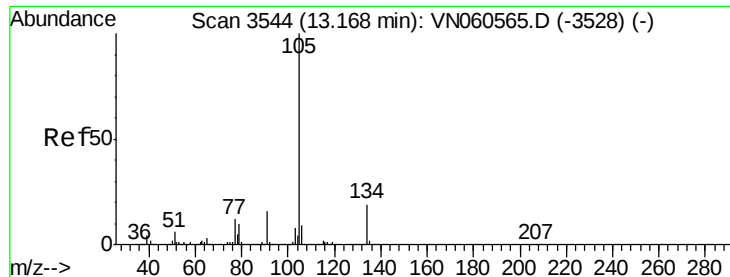
#84
1,2,4-Trimethylbenzene
Concen: 2.614 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:105 Resp: 22929
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 2.637 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA_N

ClientSampleId :

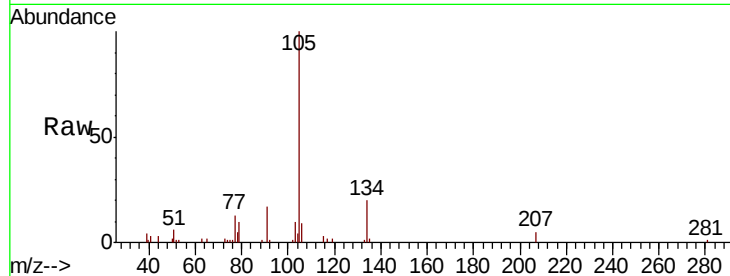
LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 26065

Ion Ratio Lower Upper

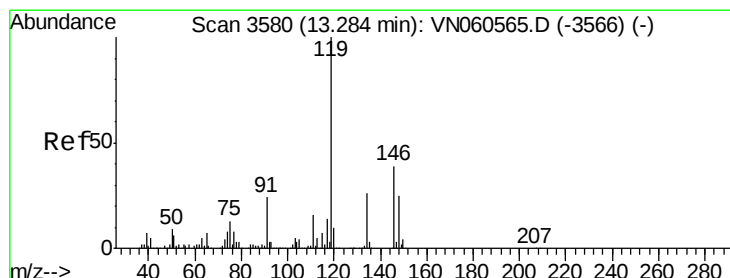
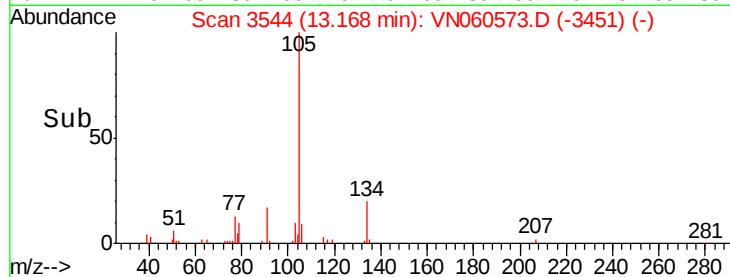
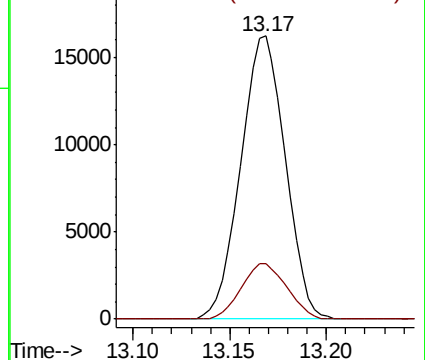
105 100

134 19.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.579 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

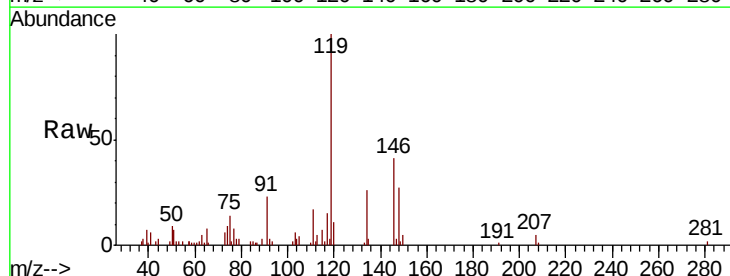
Tgt Ion:119 Resp: 22916

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

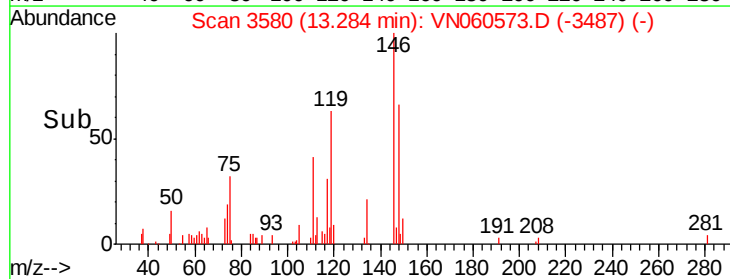
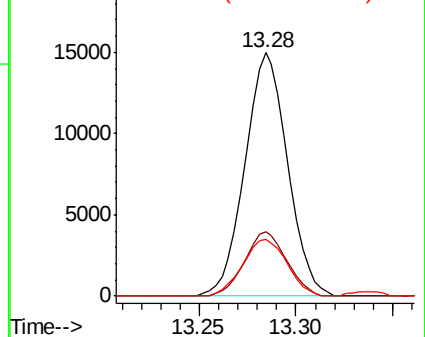
91 24.2 12.0 36.0

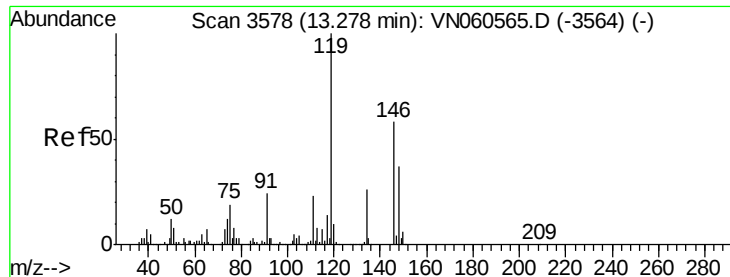


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

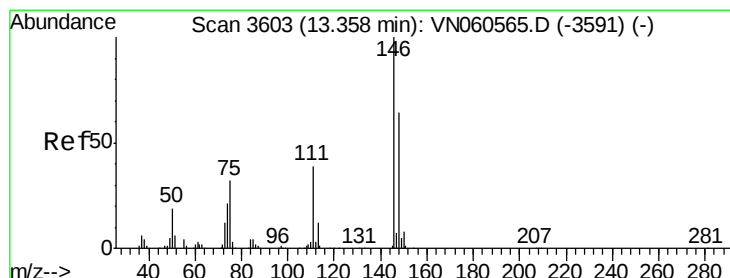
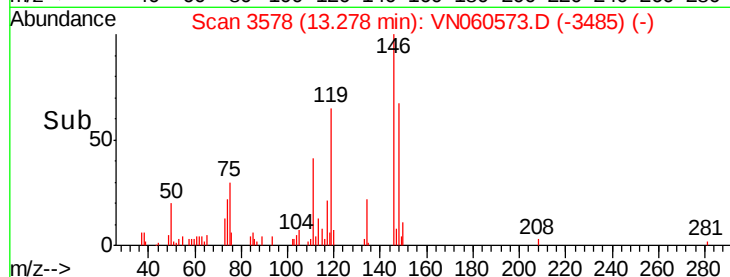
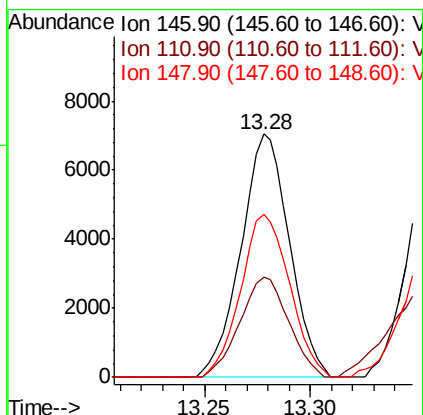
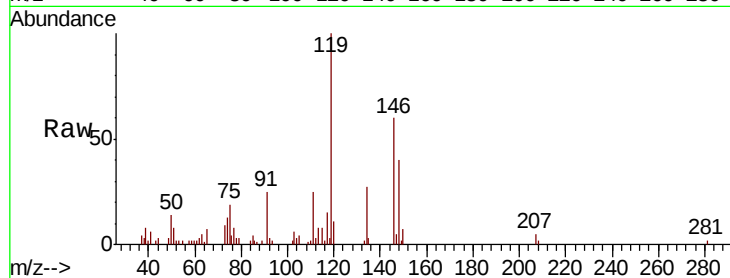




#87
 1,3-Dichlorobenzene
 Concen: 2.533 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

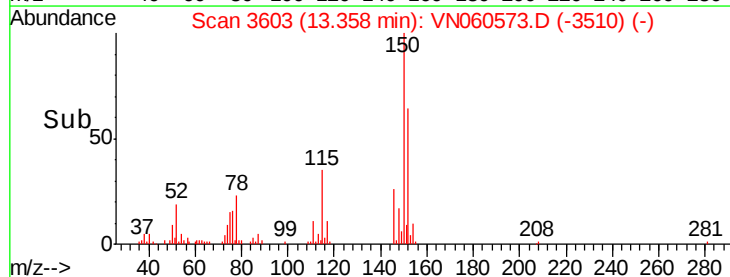
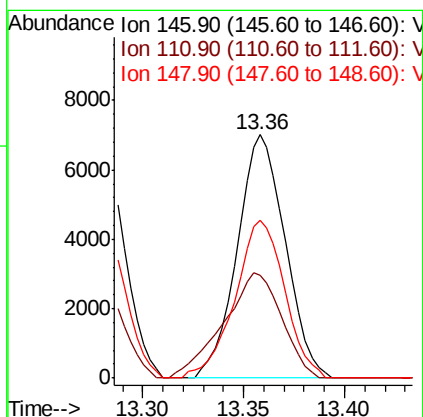
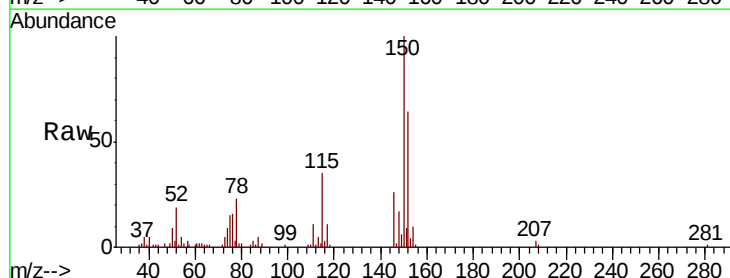
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

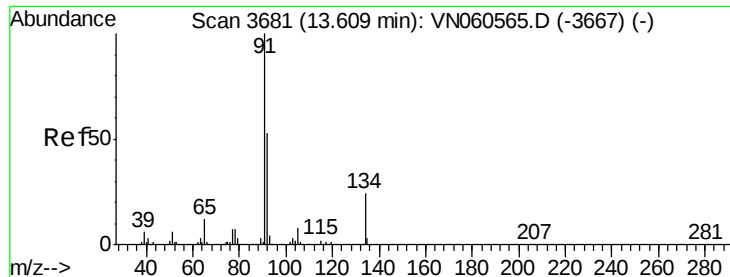
Tot Ion:146 Resp: 11246
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 60.8
 148 67.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 2.611 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion:146 Resp: 11646
 Ion Ratio Lower Upper
 146 100
 111 52.4 19.6 58.7
 148 67.2 32.1 96.3

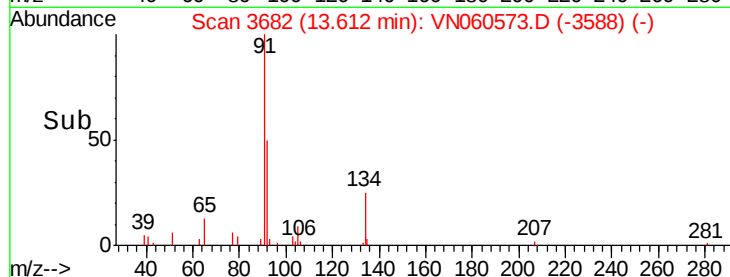
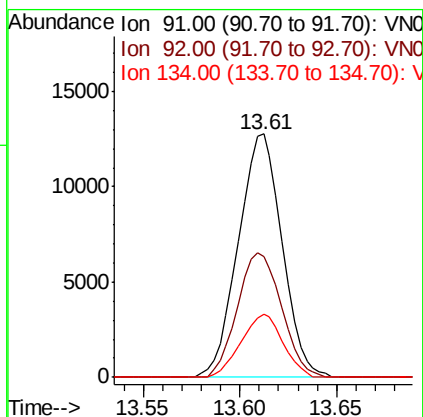
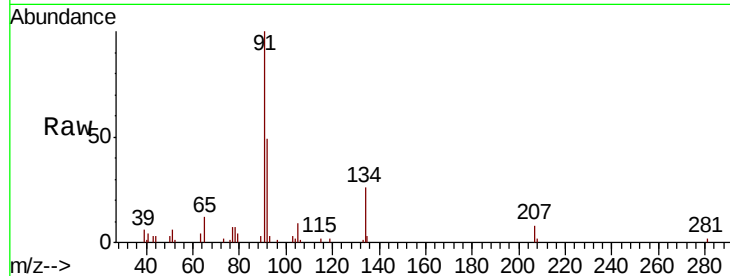




#89
n-Butylbenzene
Concen: 2.506 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

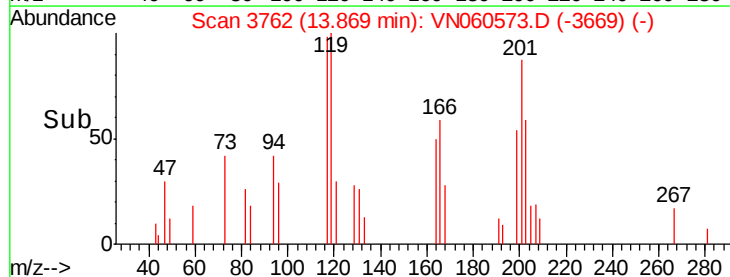
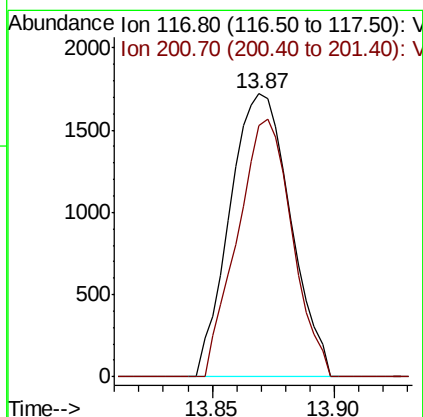
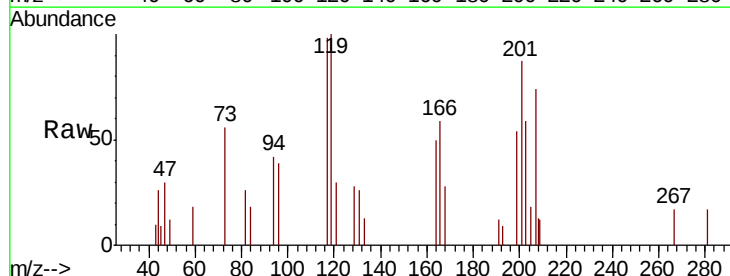
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 20107
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.5
134 24.7 12.3 36.9



#90
Hexachloroethane
Concen: 2.301 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion: 117 Resp: 2972
Ion Ratio Lower Upper
117 100
201 81.9 40.8 122.5

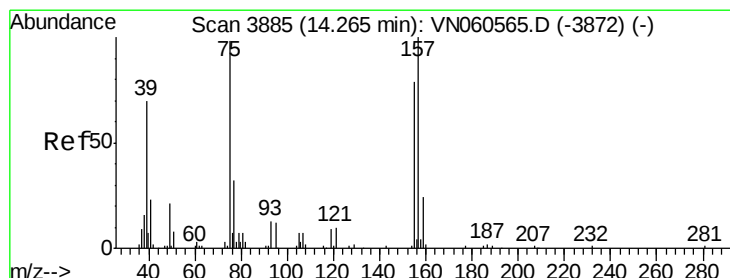
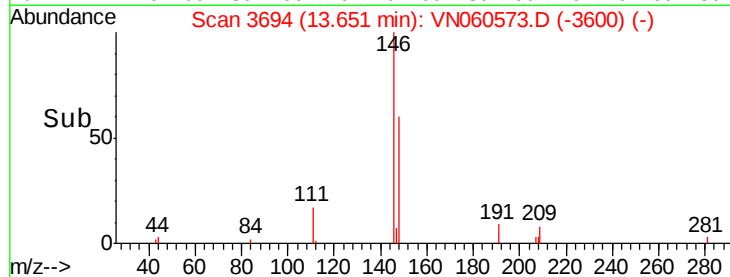
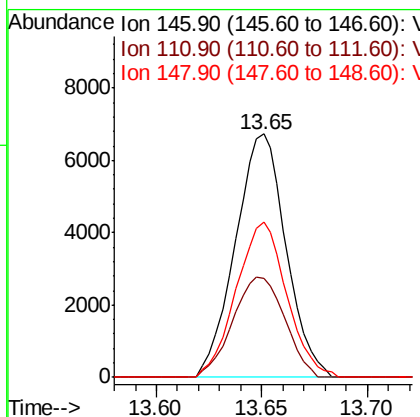
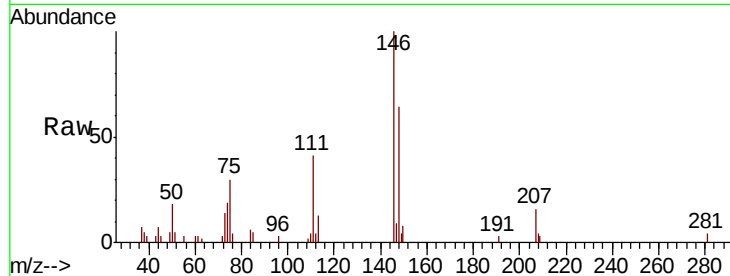




#91
 1,2-Dichlorobenzene
 Concen: 2.636 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

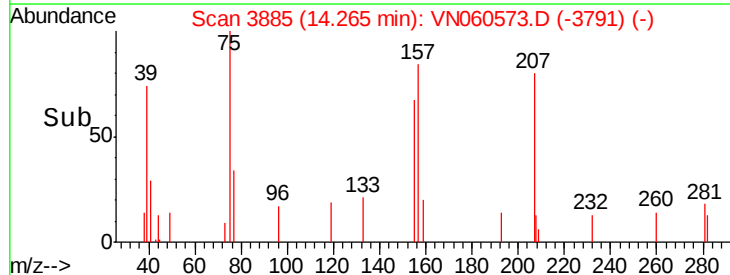
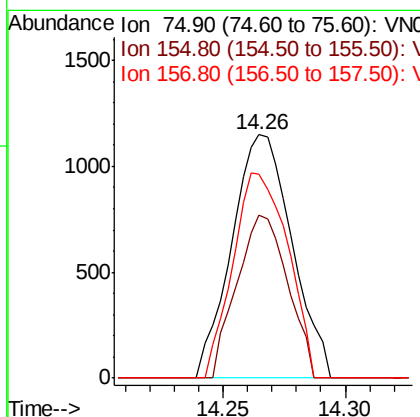
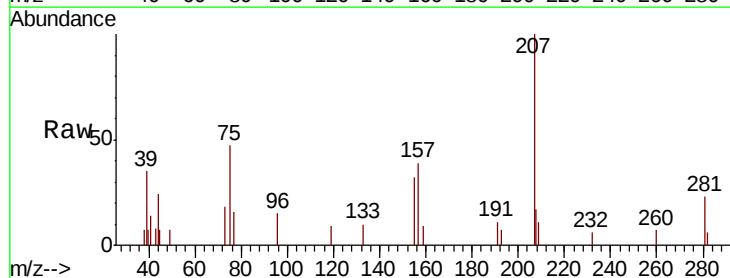
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion:146 Resp: 11193
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.0 63.0
 148 63.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.765 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion: 75 Resp: 1961
 Ion Ratio Lower Upper
 75 100
 155 56.9 40.7 122.1
 157 77.4 51.5 154.7

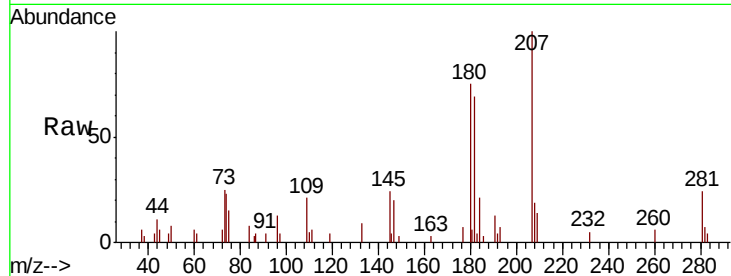




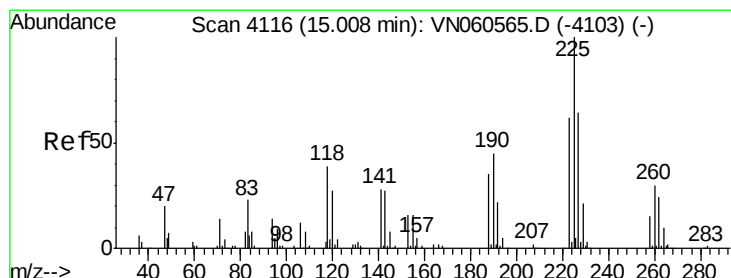
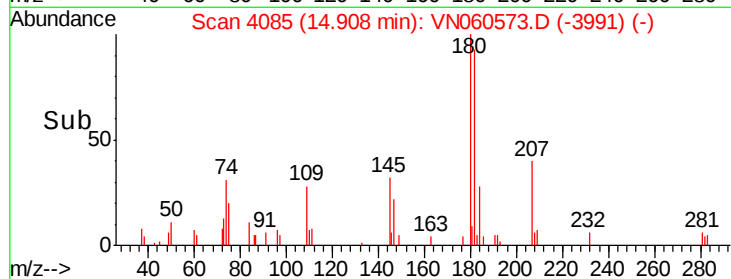
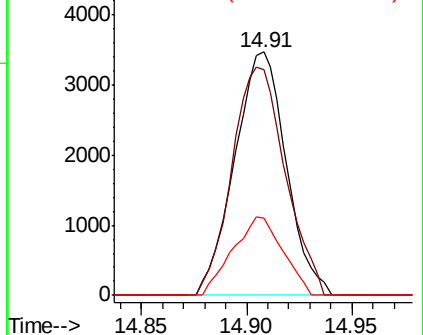
#93
 1,2,4-Trichlorobenzene
 Concen: 2.263 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

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

Tot Ion:180 Resp: 5901
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.9 143.8
 145 31.2 15.4 46.2

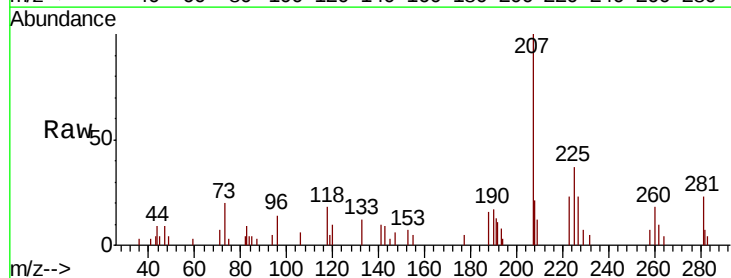


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

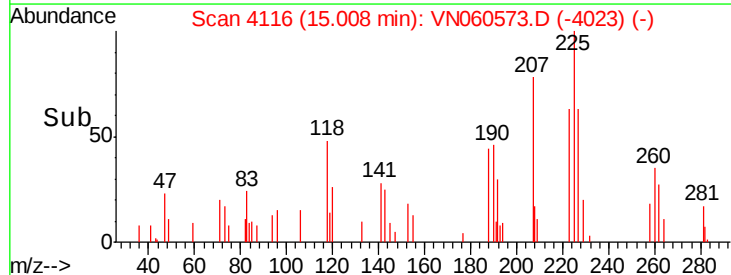
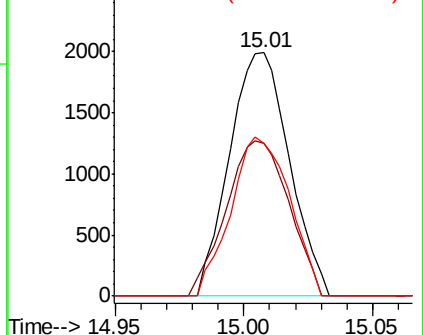


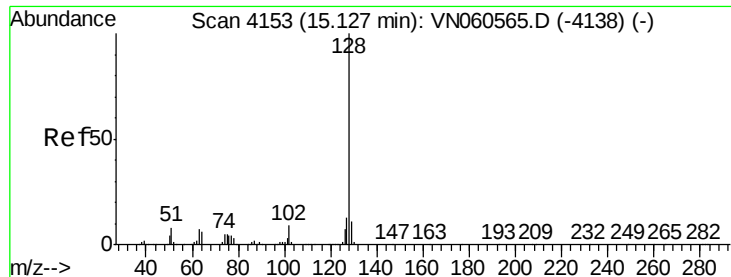
#94
 Hexachlorobutadiene
 Concen: 2.520 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060573.D
 Acq: 17 Mar 2020 22:59

Tgt Ion:225 Resp: 3221
 Ion Ratio Lower Upper
 225 100
 223 66.9 31.6 95.0
 227 64.5 32.3 96.8



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

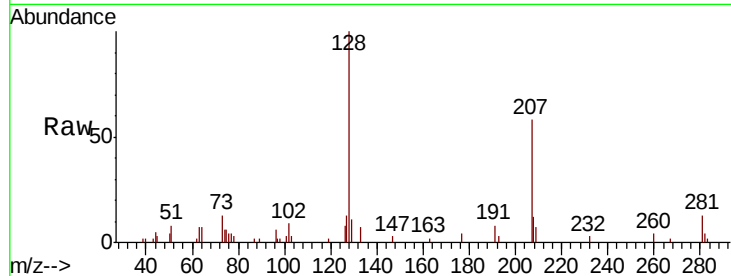




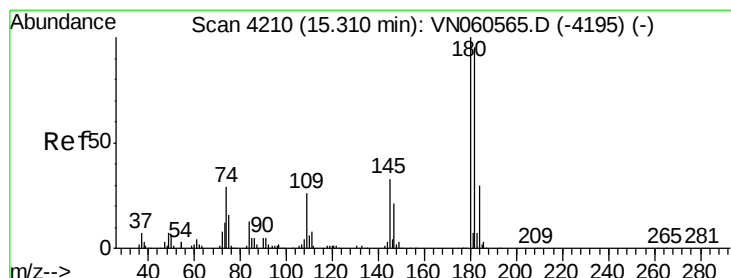
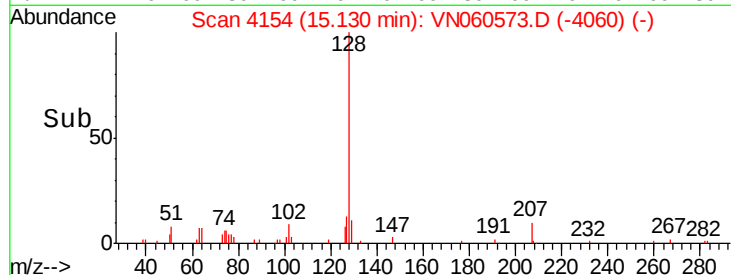
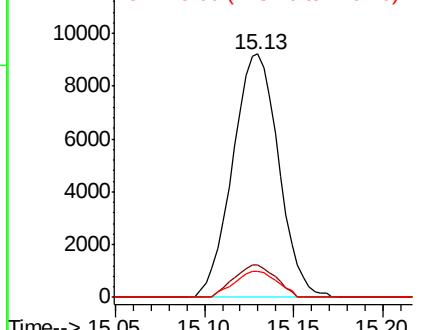
#95
Naphthalene
Concen: 2.109 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

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

Tot Ion:128 Resp: 16539
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 10.0 8.8 13.2

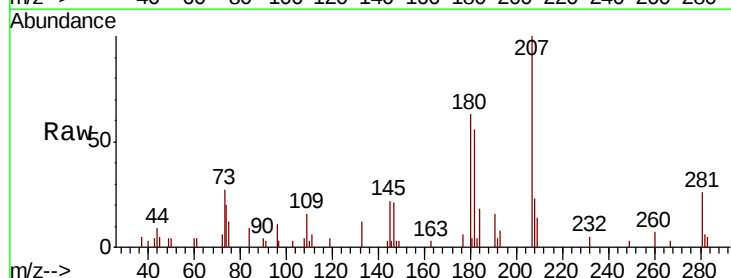


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.292 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060573.D
Acq: 17 Mar 2020 22:59

Tgt Ion:180 Resp: 5886
Ion Ratio Lower Upper
180 100
182 97.7 47.5 142.6
145 33.1 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

