

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060572.D
 Acq On : 17 Mar 2020 22:36
 Operator : JC/MD
 Sample : L1161-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

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

Quant Time: Mar 18 09:04:51 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	208508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	359678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135231	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	140868	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	7.56	113	102916	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.08	98	410889	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	140260	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1577	0.782	ug/l	96
3) Chloromethane	2.04	50	3162	0.839	ug/l #	88
4) Vinyl Chloride	2.16	62	2519	0.855	ug/l	97
5) Bromomethane	2.54	94	1197	0.941	ug/l	94
6) Chloroethane	2.69	64	1282	0.755	ug/l	95
7) Trichlorofluoromethane	3.01	101	2988	0.823	ug/l	92
8) Diethyl Ether	3.39	74	1114	0.764	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1685	0.801	ug/l #	75
10) Methyl Iodide	3.94	142	1593	0.851	ug/l #	80
11) Tert butyl alcohol	4.73	59	1219	2.896	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	2085	0.924	ug/l	91
13) Acrolein	3.59	56	1205	2.583	ug/l	89
14) Allyl chloride	4.30	41	3397	0.856	ug/l #	90
15) Acrylonitrile	4.96	53	4236	3.422	ug/l #	93
16) Acetone	3.79	43	4000	3.945	ug/l	97
17) Carbon Disulfide	4.03	76	6713	0.978	ug/l	97
18) Methyl Acetate	4.30	43	2288	0.802	ug/l #	69
19) Methyl tert-butyl Ether	5.01	73	6425	0.828	ug/l	99
20) Methylene Chloride	4.52	84	1999	0.801	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	1050	0.436	ug/l	83
22) Diisopropyl ether	5.92	45	6676	0.796	ug/l #	89
23) Vinyl Acetate	5.87	43	25168	3.677	ug/l	99
24) 1,1-Dichloroethane	5.82	63	3685	0.806	ug/l #	85
25) 2-Butanone	6.81	43	6246	3.807	ug/l	93
26) 2,2-Dichloropropane	6.80	77	2768	0.769	ug/l #	75
27) cis-1,2-Dichloroethene	6.80	96	2237	0.818	ug/l	97
29) Tetrahydrofuran	7.19	42	4599	3.962	ug/l	93
30) Chloroform	7.35	83	3621	0.826	ug/l	98
31) Cyclohexane	7.64	56	8153	1.768	ug/l #	38
32) 1,1,1-Trichloroethane	7.54	97	3121	0.826	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	2918	0.838	ug/l	95
37) Ethyl Acetate	6.90	43	3494	0.928	ug/l #	70
38) Carbon Tetrachloride	7.76	117	2384	0.764	ug/l	91
39) Methylcyclohexane	9.06	83	3455	0.835	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.02	78	8755	0.833	ug/l	97
41) Methacrylonitrile	7.18	41	4081	2.541	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	3079	0.857	ug/l	78
43) Isopropyl Acetate	8.14	43	4752	0.766	ug/l #	72
44) Trichloroethene	8.82	130	2380	0.898	ug/l	85
45) 1,2-Dichloropropane	9.10	63	2308	0.832	ug/l #	87
46) Dibromomethane	9.19	93	1299	0.775	ug/l	97
47) Bromodichloromethane	9.39	83	2462	0.706	ug/l #	95
48) Methyl methacrylate	9.18	41	2131	0.771	ug/l	88
49) 1,4-Dioxane	9.17	88	416	12.666	ug/l #	58
51) 4-Methyl-2-Pentanone	9.97	43	13186	3.734	ug/l	98
52) Toluene	10.14	92	5080	0.800	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	3200	0.799	ug/l #	89
54) cis-1,3-Dichloropropene	9.83	75	3278	0.746	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	1755	0.718	ug/l	95
56) Ethyl methacrylate	10.42	69	2358	0.619	ug/l	90
57) 1,3-Dichloropropane	10.70	76	3450	0.814	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	5881	3.107	ug/l	99
59) 2-Hexanone	10.74	43	8543	3.358	ug/l	99
60) Dibromochloromethane	10.89	129	1758	0.697	ug/l	96
61) 1,2-Dibromoethane	11.00	107	1793	0.730	ug/l	95
64) Tetrachloroethene	10.62	164	2336	0.934	ug/l	93
65) Chlorobenzene	11.43	112	5399	0.857	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	1634	0.716	ug/l #	55
67) Ethyl Benzene	11.51	91	9755	0.833	ug/l	98
68) m/p-Xylenes	11.62	106	7007	1.610	ug/l	97
69) o-Xylene	11.94	106	3308	0.796	ug/l	94
70) Stvrene	11.96	104	4772	0.702	ug/l	99
71) Bromoform	12.12	173	1216	0.714	ug/l #	79
73) Isopropylbenzene	12.24	105	8753	0.862	ug/l	98
74) N-amyl acetate	12.07	43	3784	0.807	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	2456	0.800	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	3466	1.188	ug/l #	100
77) Bromobenzene	12.52	156	2212	0.905	ug/l	96
78) n-propylbenzene	12.59	91	10089	0.841	ug/l	97
79) 2-Chlorotoluene	12.67	91	6285	0.877	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7217	0.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	71452	62.889	ug/l #	13
82) 4-Chlorotoluene	12.77	91	6722	0.921	ug/l	97
83) tert-Butylbenzene	12.99	119	6111	0.856	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	7413	0.870	ug/l	99
85) sec-Butylbenzene	13.17	105	8345	0.869	ug/l	99
86) p-Isopropyltoluene	13.28	119	7060	0.818	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	3574	0.829	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	3574	0.825	ug/l	92
89) n-Butylbenzene	13.61	91	6556	0.841	ug/l	99
90) Hexachloroethane	13.87	117	837	0.667	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	3696	0.896	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	603	0.875	ug/l	59
93) 1,2,4-Trichlorobenzene	14.90	180	2012	0.794	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 09:02:01 2020
Response via : Initial Calibration

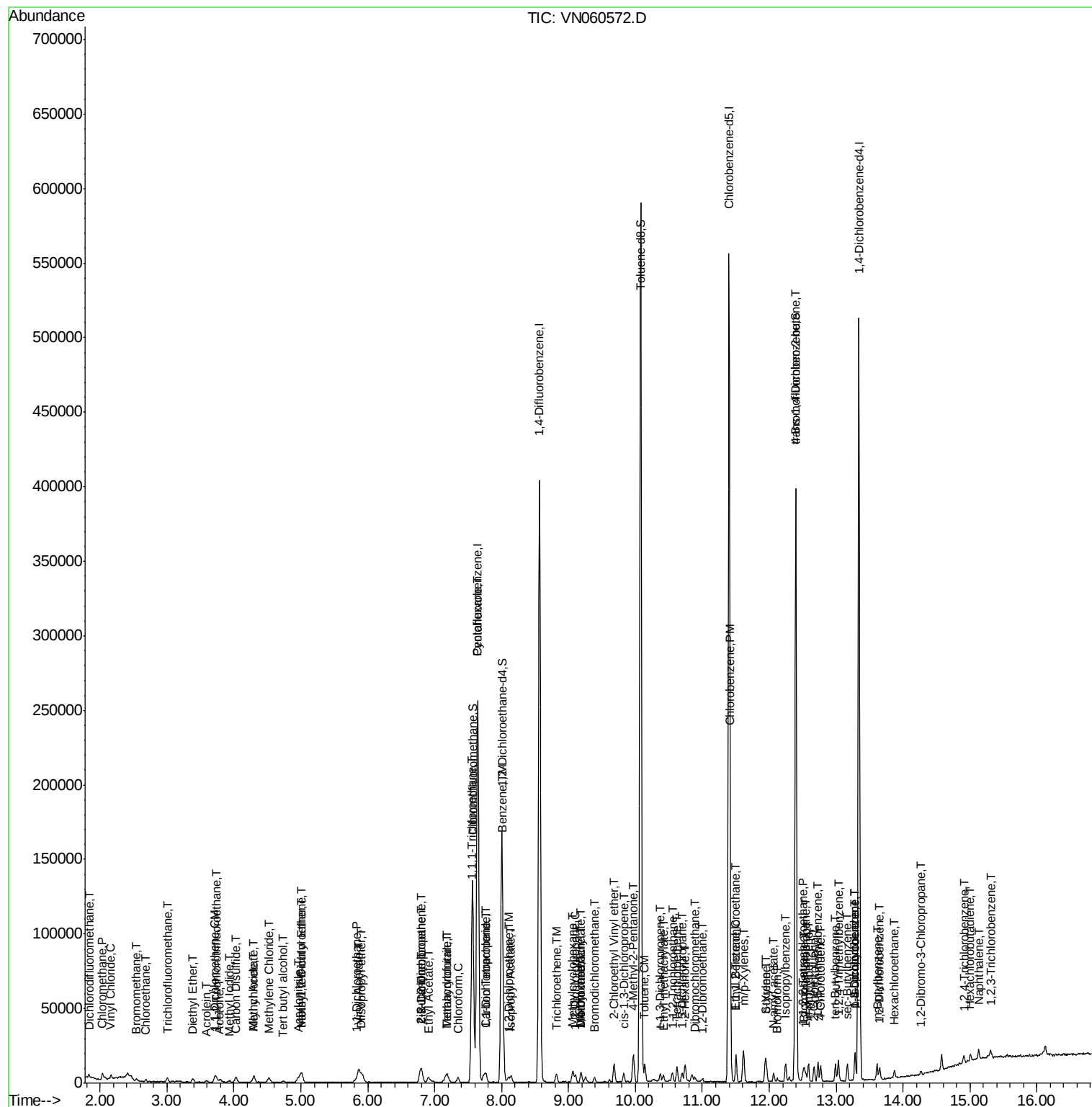
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	1101	0.887	ug/l	93
95) Naphthalene	15.13	128	5708	0.749	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	2030	0.814	ug/l	97

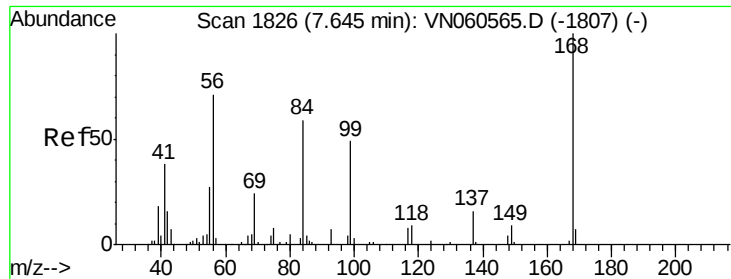
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

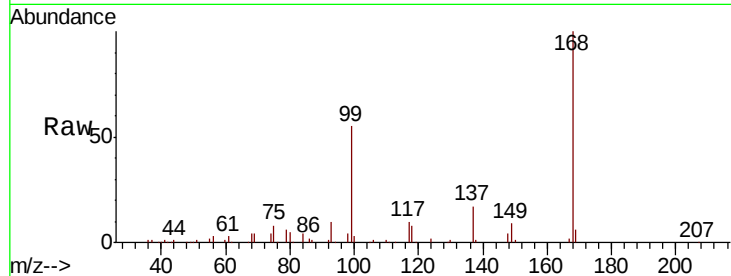
LOD-MDL-WATER-01-QT1-2020

Tot Ion:168 Resp: 208508

Ion Ratio Lower Upper

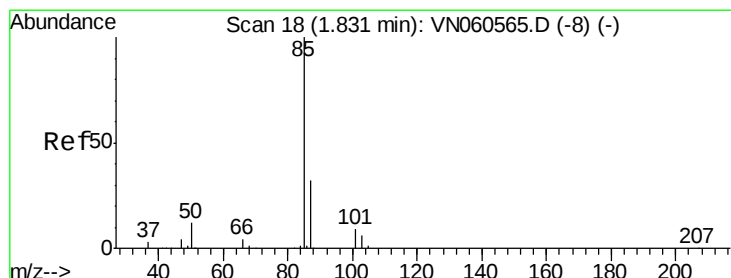
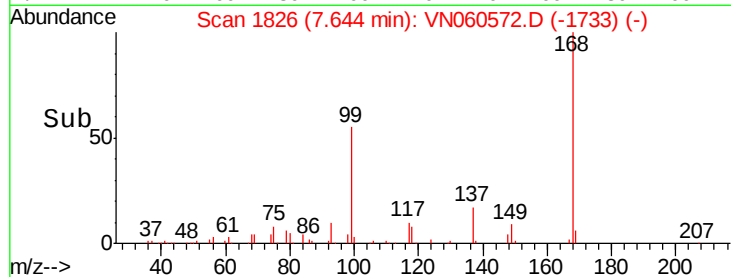
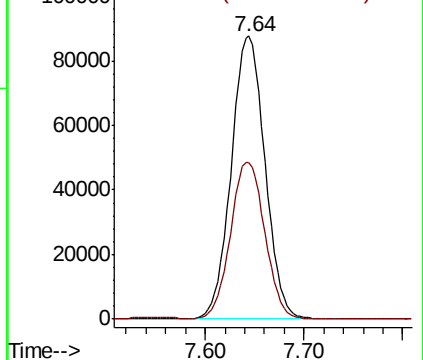
168 100

99 55.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.782 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060572.D

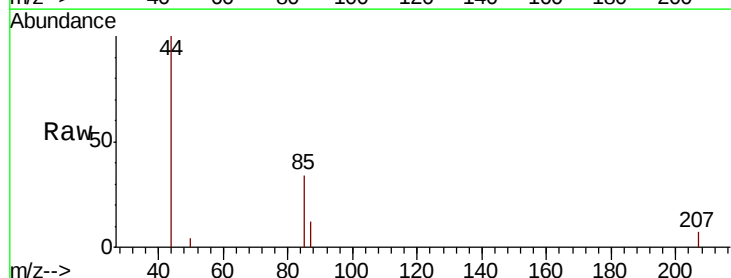
Acq: 17 Mar 2020 22:36

Tgt Ion: 85 Resp: 1577

Ion Ratio Lower Upper

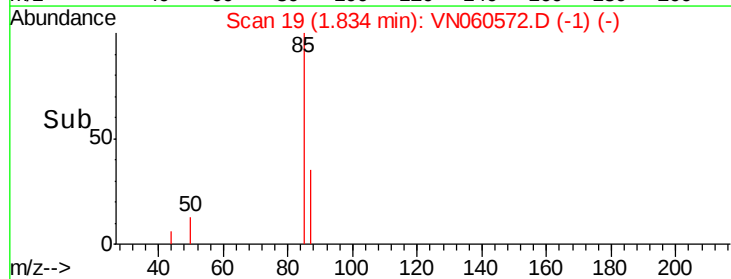
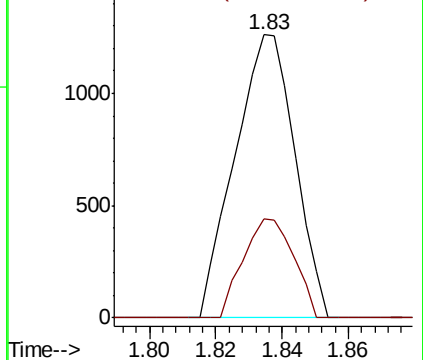
85 100

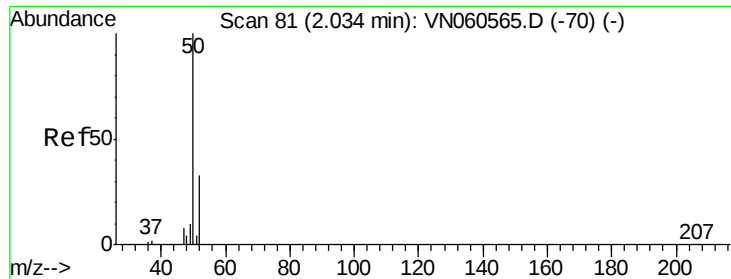
87 34.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 0.839 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

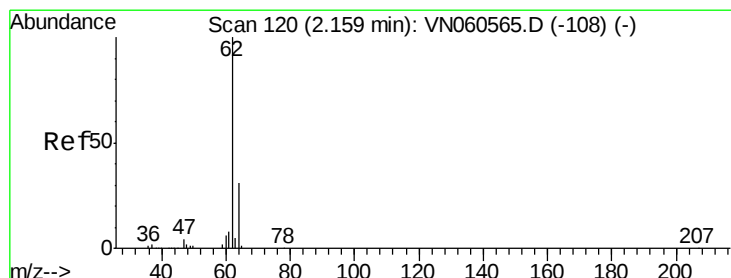
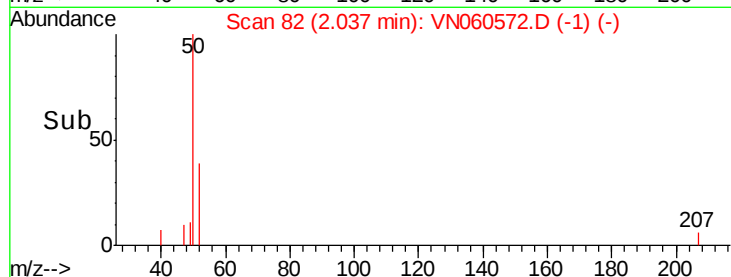
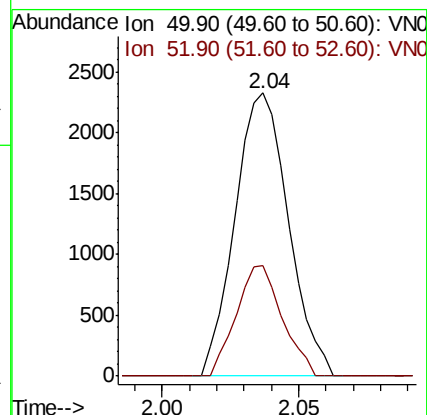
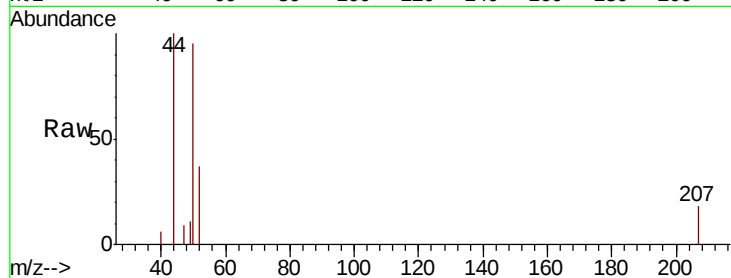
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 3162

Ion Ratio Lower Upper

50 100

52 39.3 26.2 39.2#



#4

Vinyl Chloride

Concen: 0.855 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060572.D

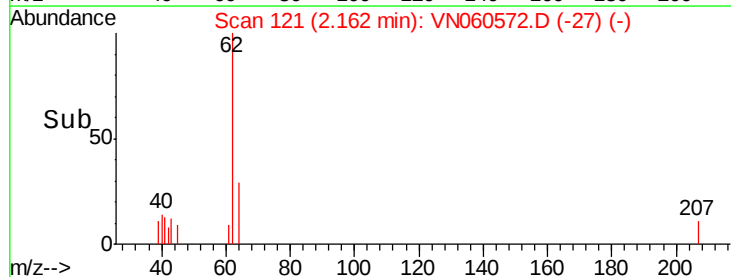
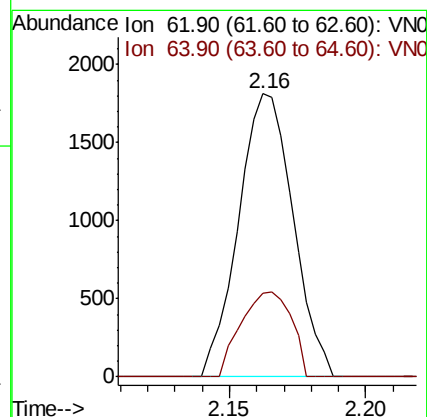
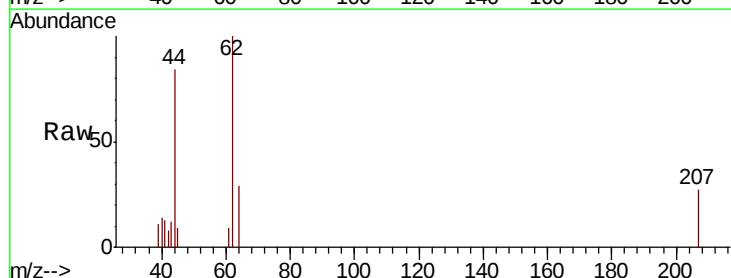
Acq: 17 Mar 2020 22:36

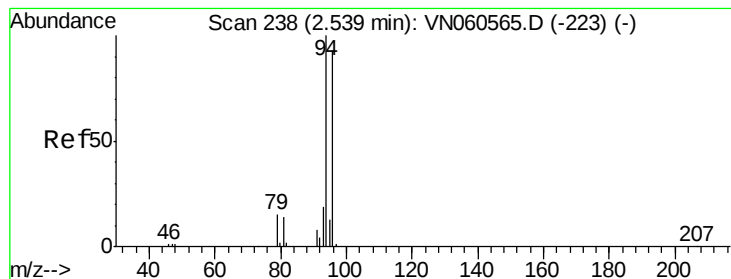
Tgt Ion: 62 Resp: 2519

Ion Ratio Lower Upper

62 100

64 29.4 24.7 37.1





#5

Bromomethane

Concen: 0.941 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

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ClientSampleId :

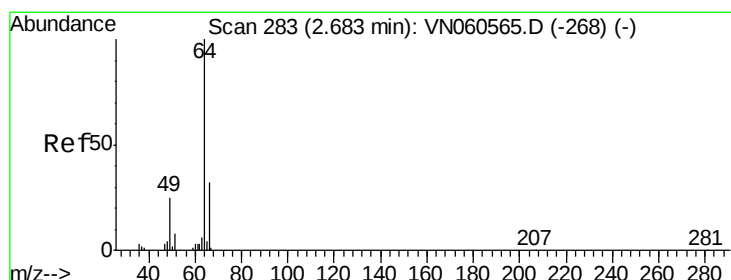
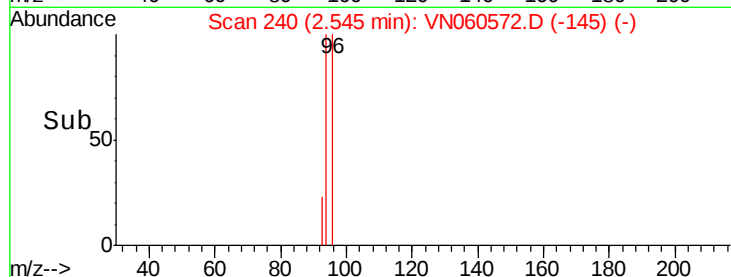
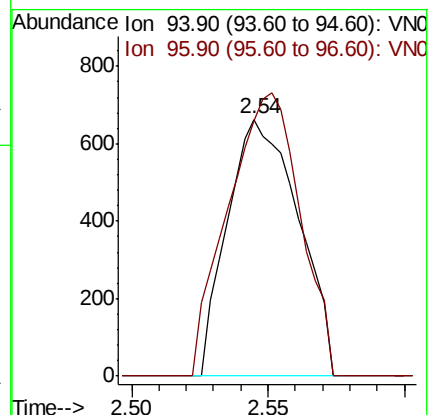
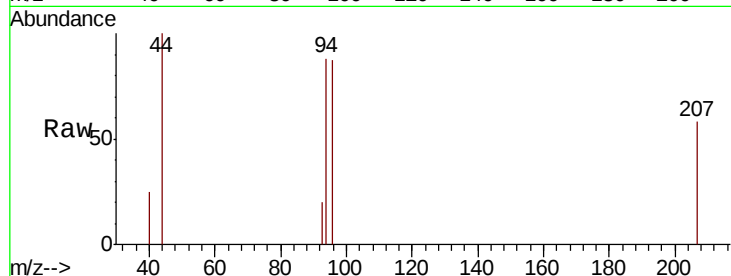
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 1197

Ion Ratio Lower Upper

94 100

96 99.5 74.6 112.0



#6

Chloroethane

Concen: 0.755 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060572.D

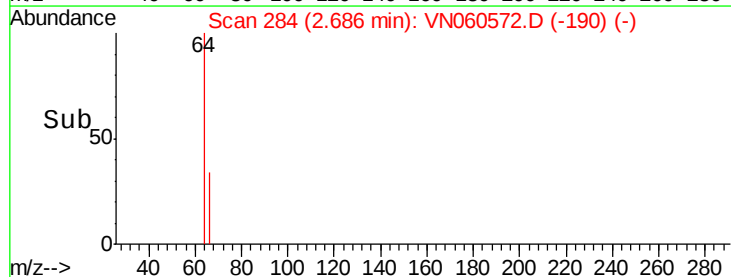
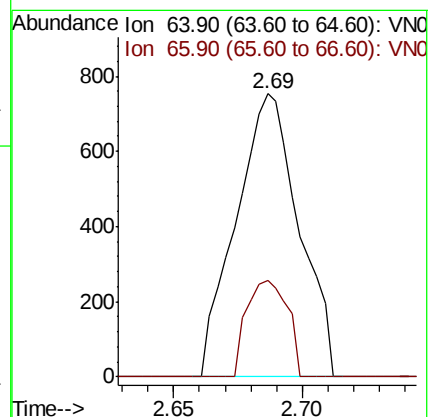
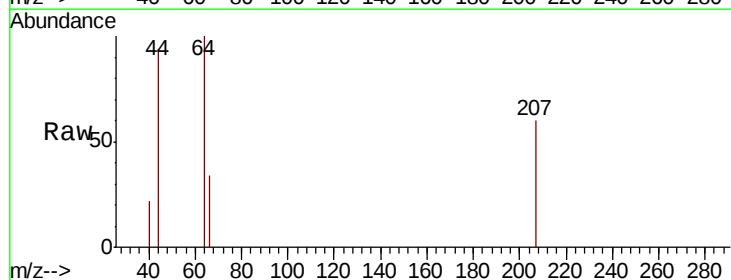
Acq: 17 Mar 2020 22:36

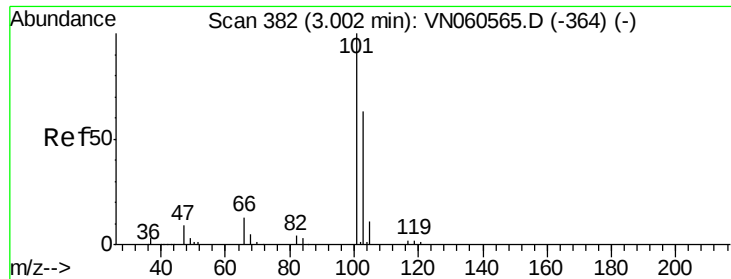
Tgt Ion: 64 Resp: 1282

Ion Ratio Lower Upper

64 100

66 34.1 25.3 37.9



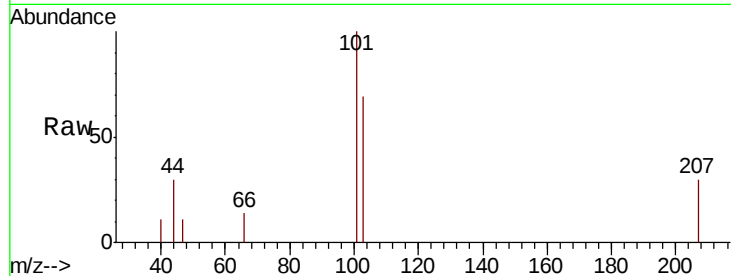


#7

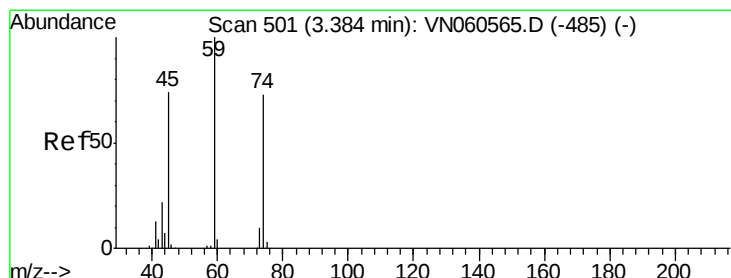
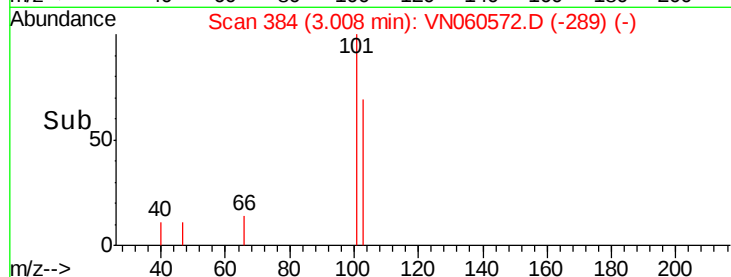
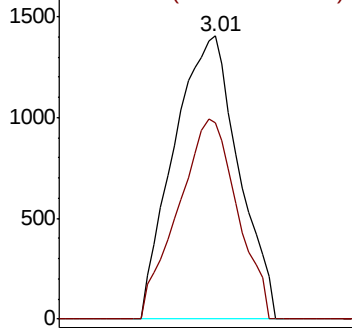
Trichlorofluoromethane
 Concen: 0.823 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VN060572.D
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Tot Ion:101 Resp: 2988
 Ion Ratio Lower Upper
 101 100
 103 69.2 50.6 76.0



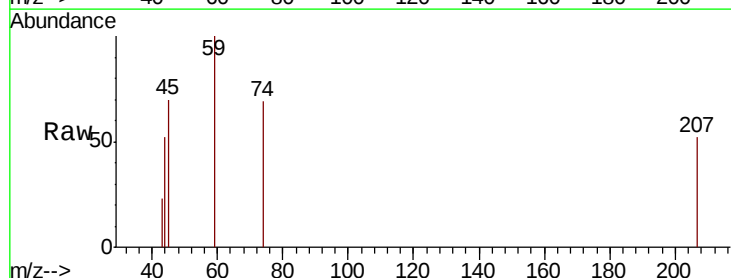
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



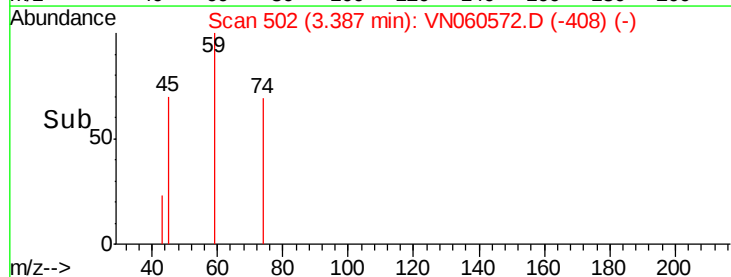
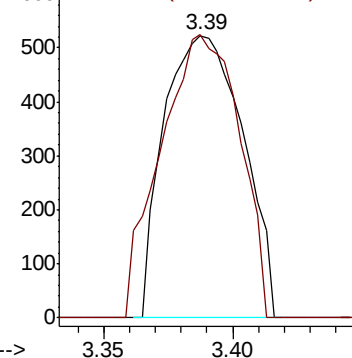
#8

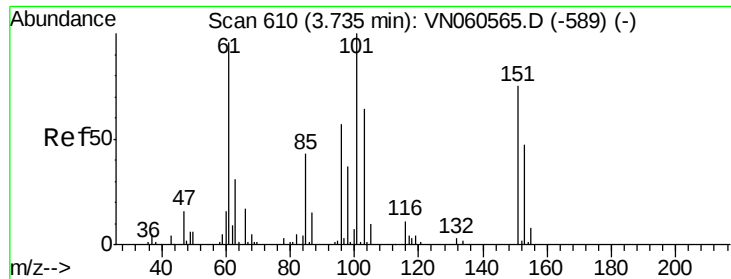
Diethyl Ether
 Concen: 0.764 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
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Tgt Ion: 74 Resp: 1114
 Ion Ratio Lower Upper
 74 100
 45 100.2 51.3 153.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.801 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

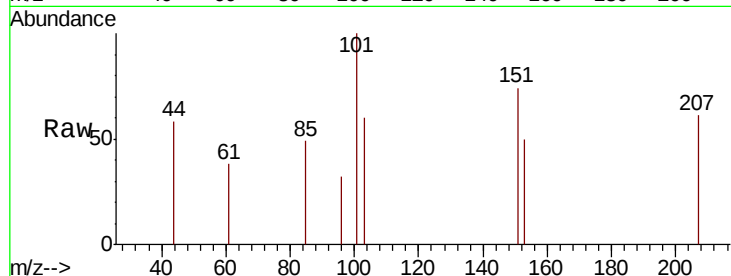
Tot Ion:101 Resp: 1685

Ion Ratio Lower Upper

101 100

85 42.8 35.6 53.4

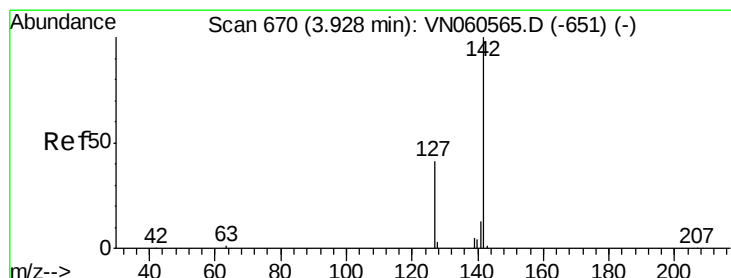
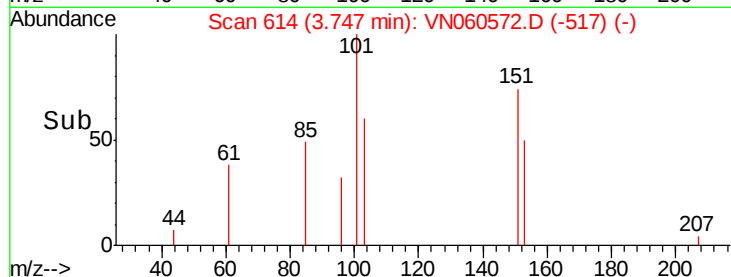
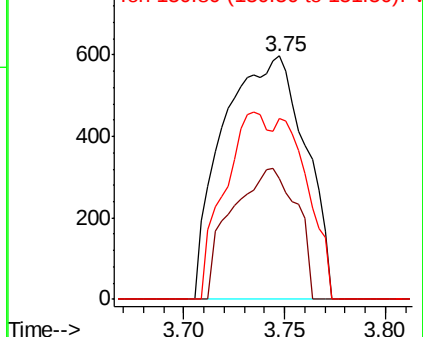
151 44.5 61.4 92.2#



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: 0.851 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

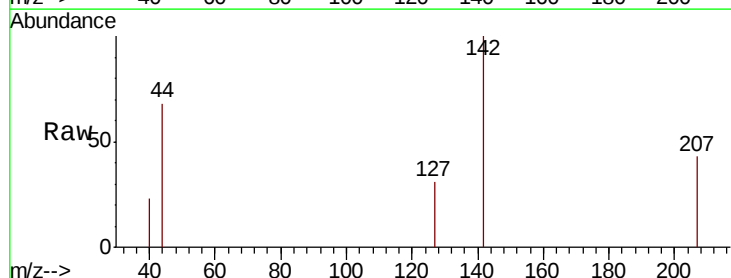
Tgt Ion:142 Resp: 1593

Ion Ratio Lower Upper

142 100

127 31.8 33.5 50.3#

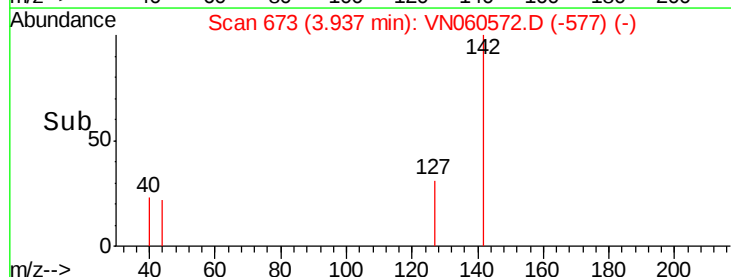
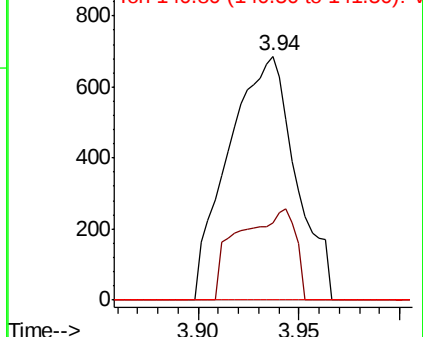
141 0.0 11.0 16.6#

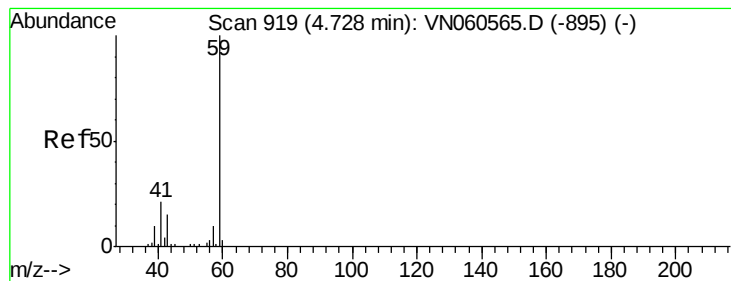


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



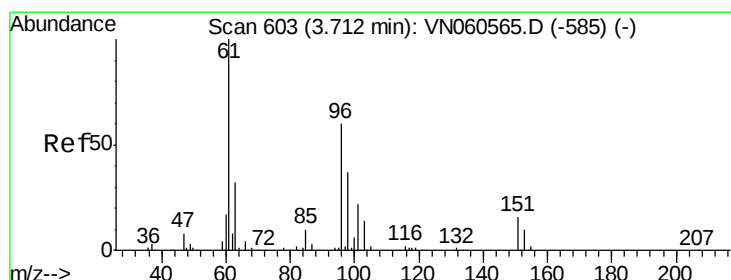
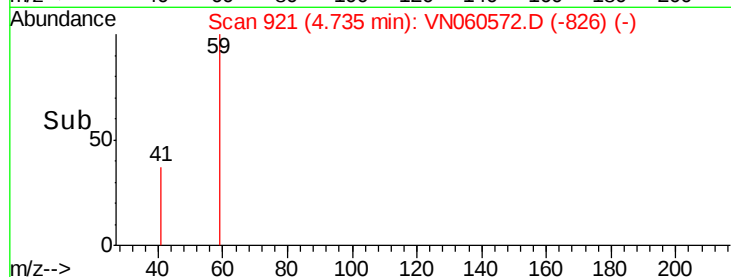
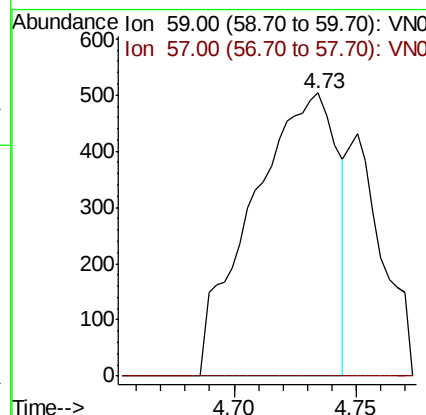
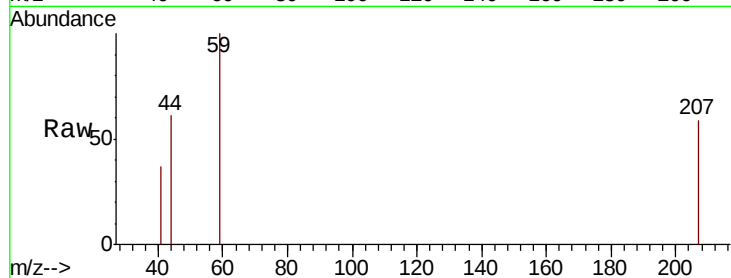


#11

Tert butyl alcohol
Concen: 2.896 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

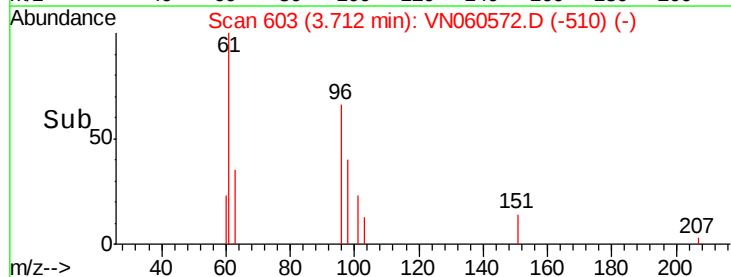
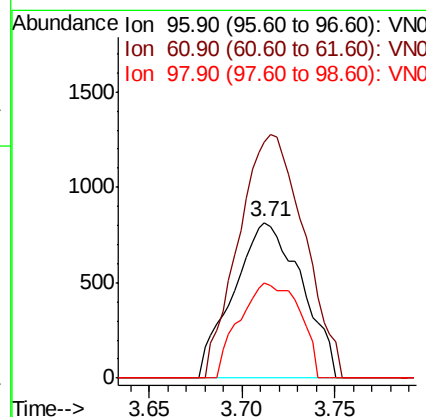
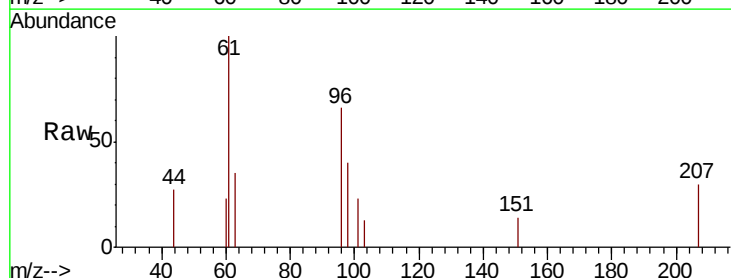
Tot Ion: 59 Resp: 1219
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

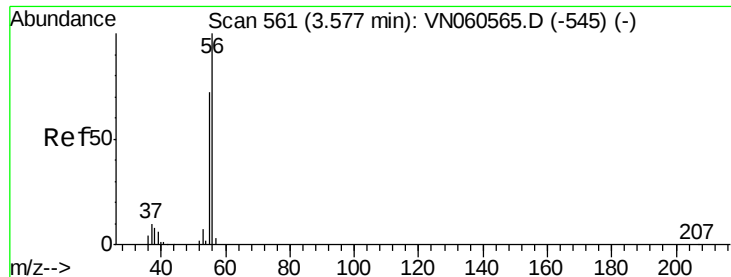


#12

1,1-Dichloroethene
Concen: 0.924 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 96 Resp: 2085
Ion Ratio Lower Upper
96 100
61 151.5 134.1 201.1
98 60.8 49.9 74.9





#13

Acrolein

Concen: 2.583 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

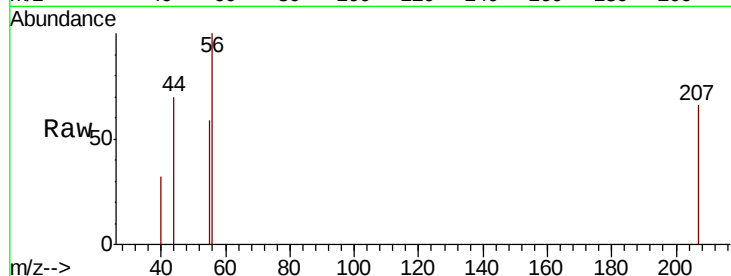
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 1205

Ion Ratio Lower Upper

56 100

55 61.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN060565.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060565.D (-545) (-)

3.59

500

400

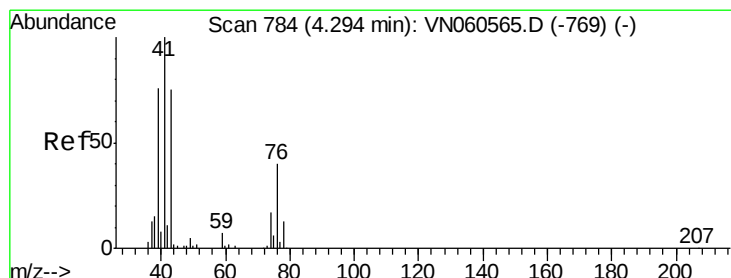
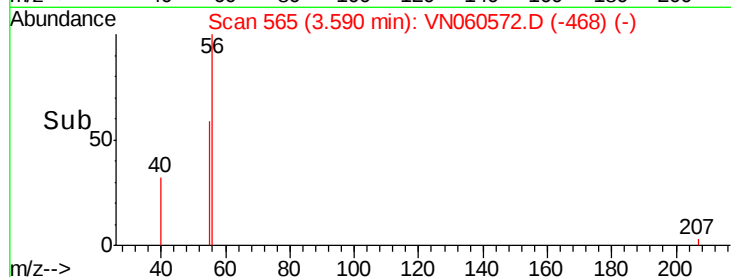
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 0.856 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

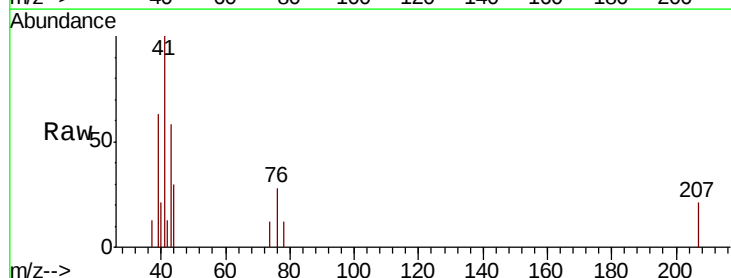
Tgt Ion: 41 Resp: 3397

Ion Ratio Lower Upper

41 100

39 68.2 57.8 86.8

76 24.3 28.6 43.0#



Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-769) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-769) (-)

Ion 75.90 (75.60 to 76.60): VN060565.D (-769) (-)

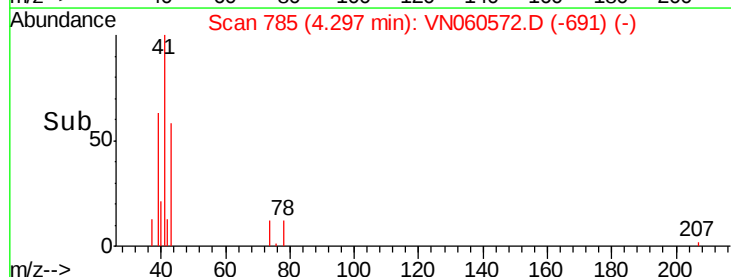
1500

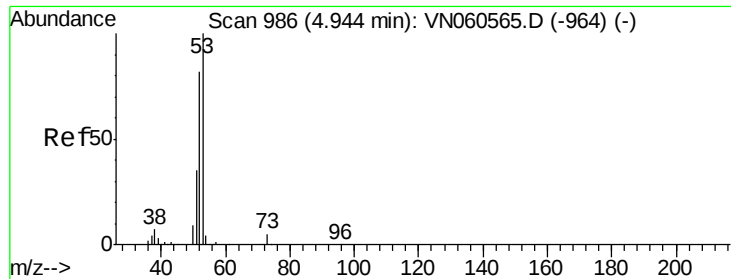
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 3.422 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.02 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

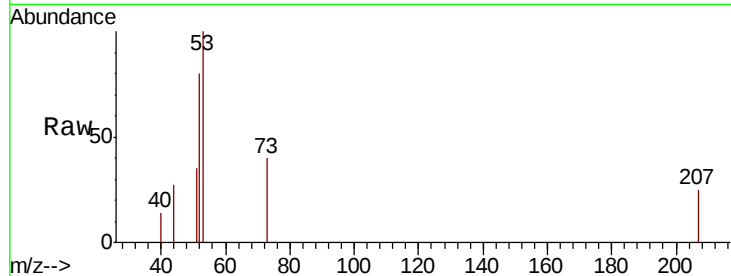
Tot Ion: 53 Resp: 4236

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.4

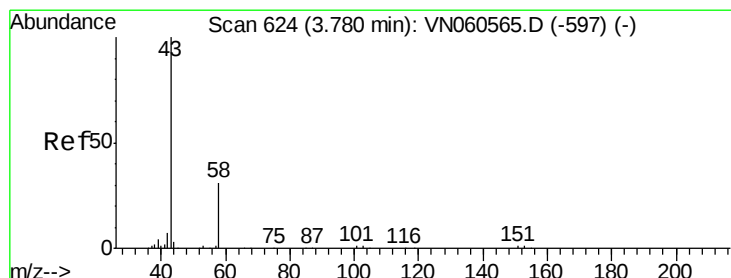
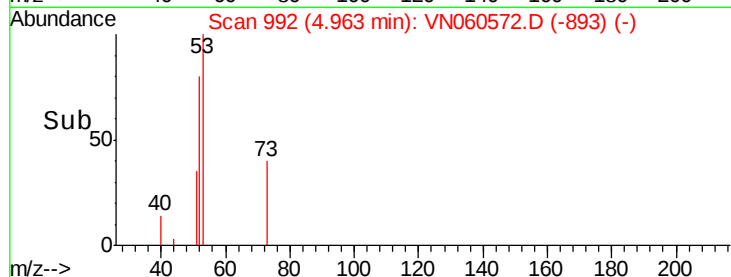
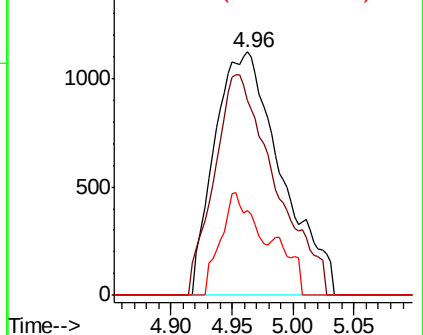
51 22.9 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 3.945 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060572.D

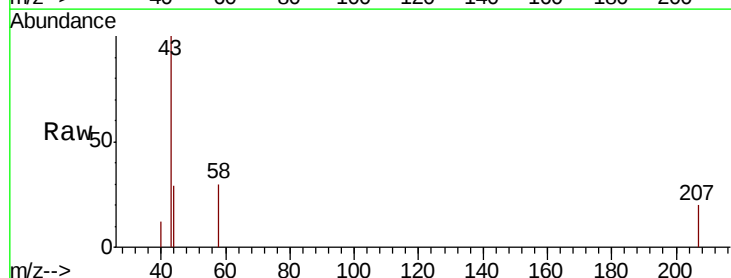
Acq: 17 Mar 2020 22:36

Tgt Ion: 43 Resp: 4000

Ion Ratio Lower Upper

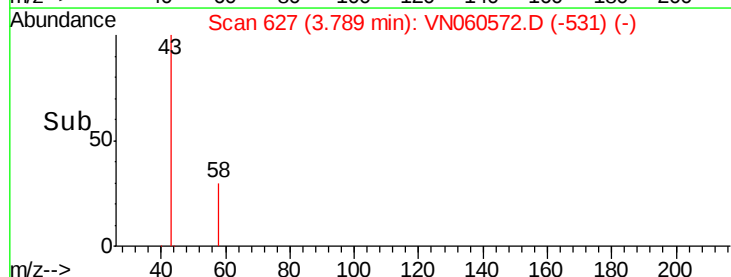
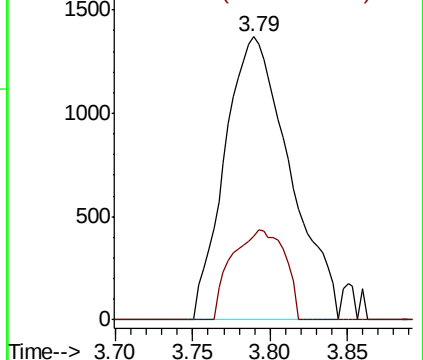
43 100

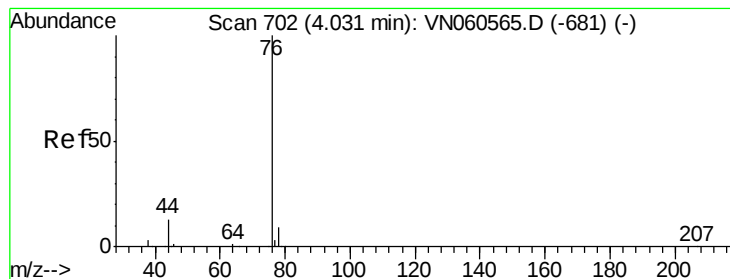
58 29.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.978 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

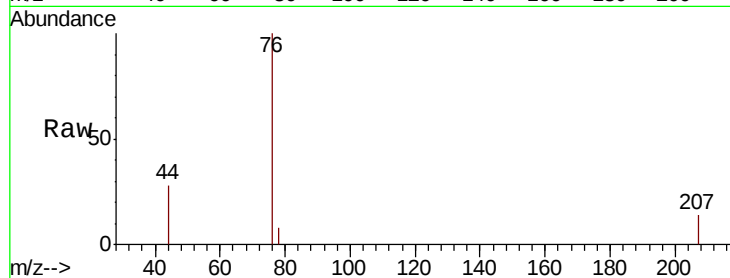
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 6713

Ion Ratio Lower Upper

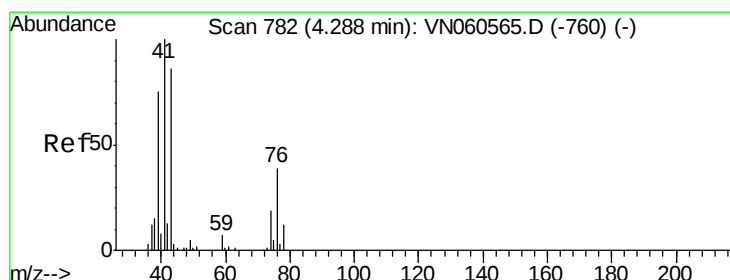
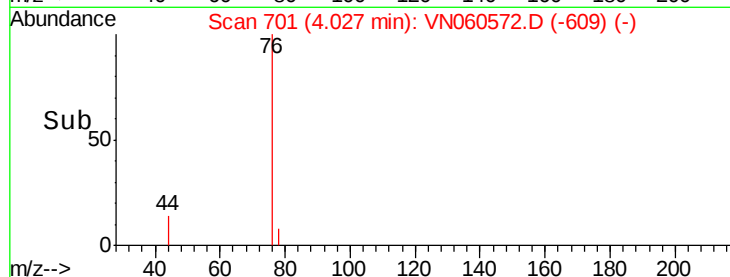
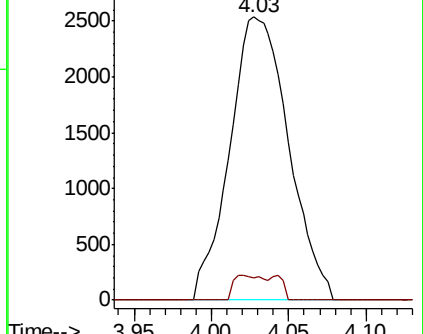
76 100

78 8.1 7.2 10.8



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

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



#18

Methyl Acetate

Concen: 0.802 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060572.D

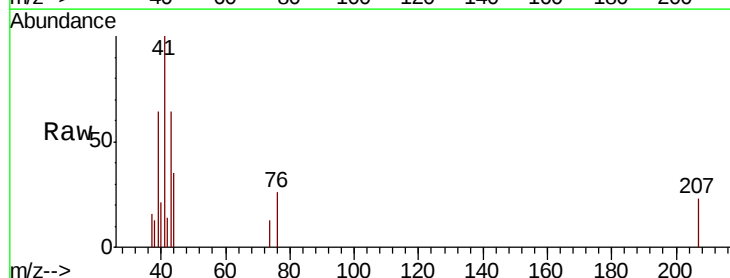
Acq: 17 Mar 2020 22:36

Tgt Ion: 43 Resp: 2288

Ion Ratio Lower Upper

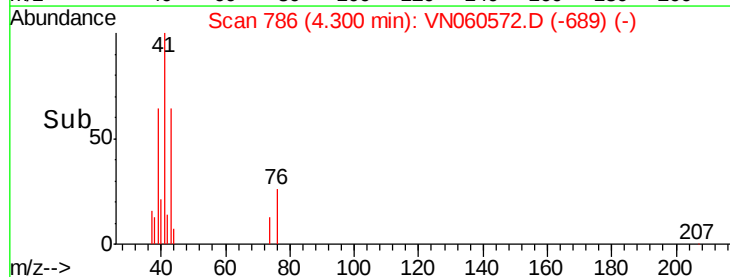
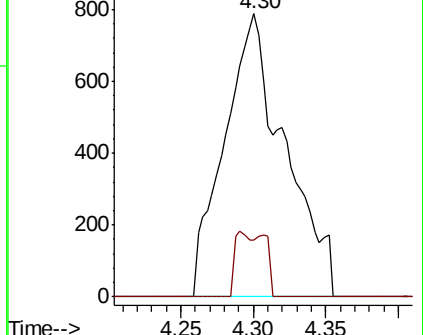
43 100

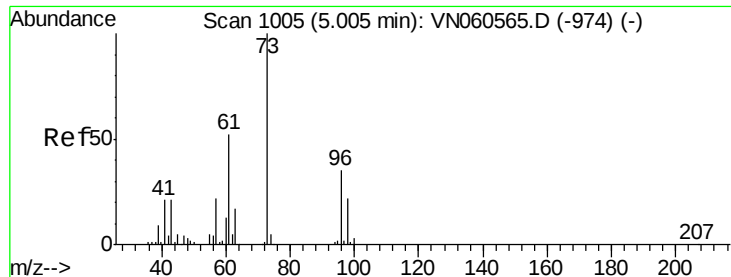
74 7.1 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN060565.D (-760) (-)

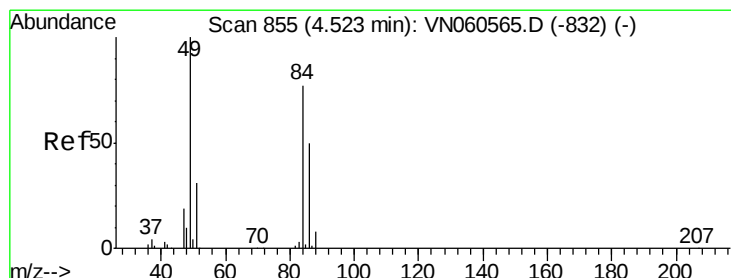
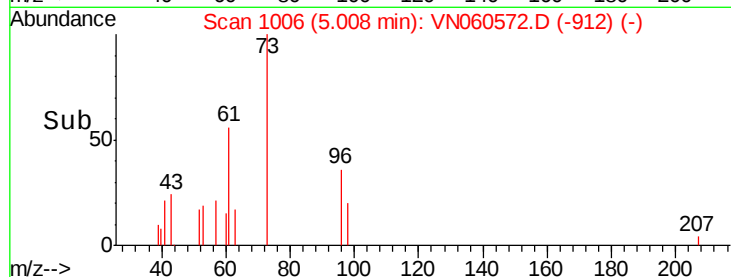
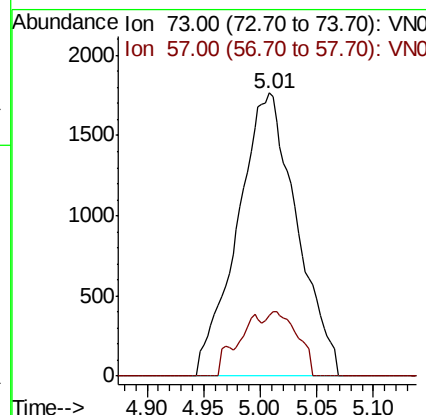
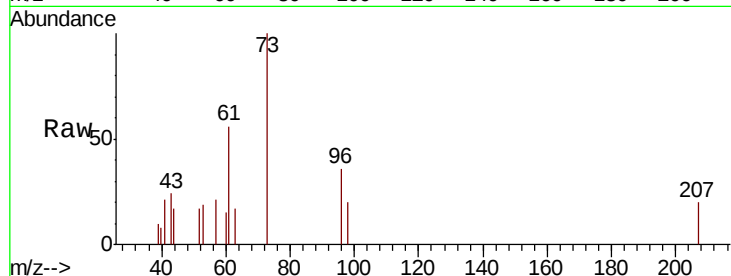




#19
Methvl tert-butvl Ether
Concen: 0.828 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

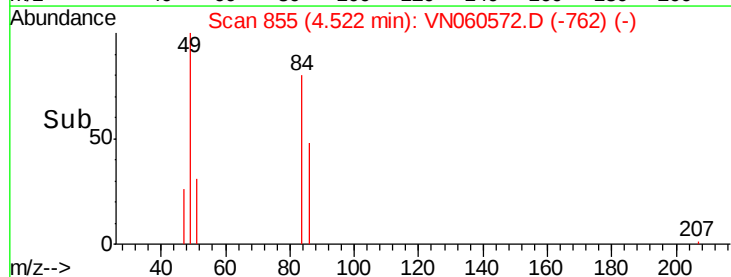
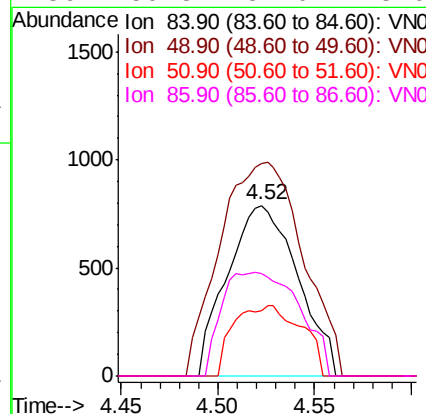
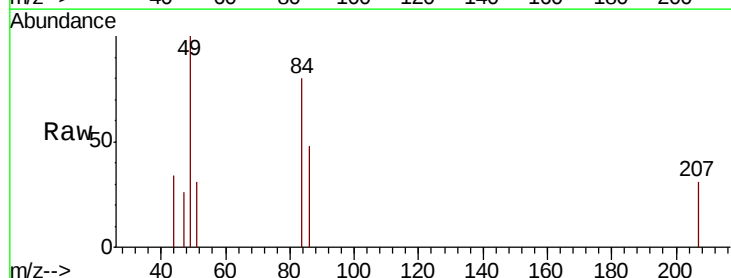
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

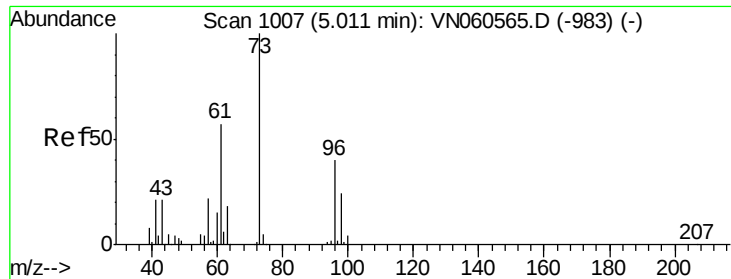
Tot Ion: 73 Resp: 6425
Ion Ratio Lower Upper
73 100
57 21.2 17.5 26.3



#20
Methylene Chloride
Concen: 0.801 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 84 Resp: 1999
Ion Ratio Lower Upper
84 100
49 125.0 103.3 154.9
51 38.5 31.6 47.4
86 59.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.436 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

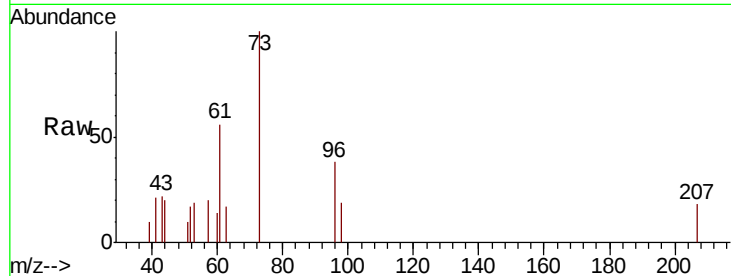
Tot Ion: 96 Resp: 1050

Ion Ratio Lower Upper

96 100

61 119.7 114.4 171.6

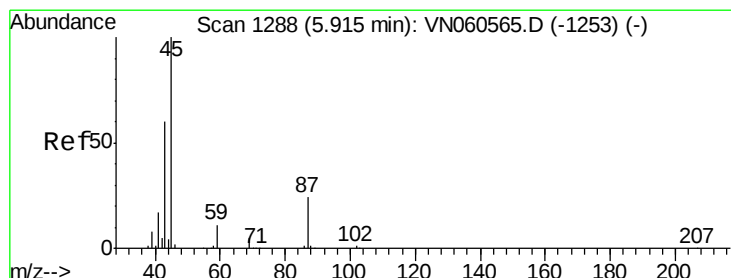
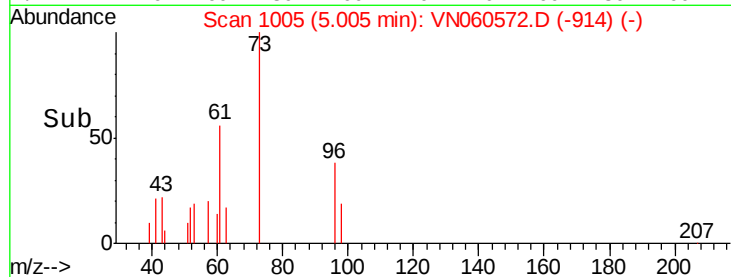
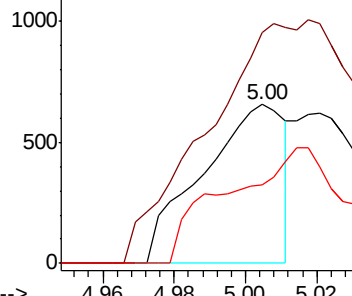
98 49.8 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060565.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN060565.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-983) (-)



#22

Diisopropyl ether

Concen: 0.796 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt Ion: 45 Resp: 6676

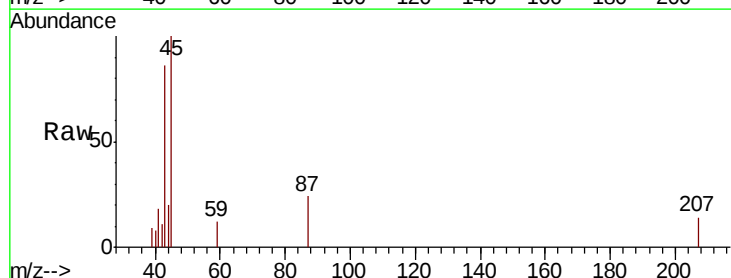
Ion Ratio Lower Upper

45 100

43 74.9 49.8 74.8#

87 24.5 20.1 30.1

59 11.9 9.2 13.8

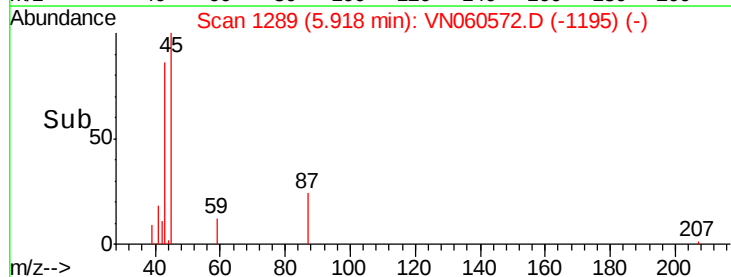
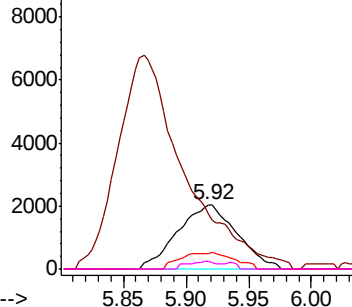


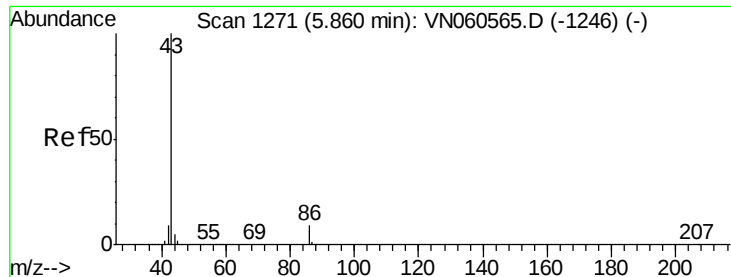
Abundance Ion 45.00 (44.70 to 45.70): VN060565.D (-1253) (-)

Ion 43.00 (42.70 to 43.70): VN060565.D (-1253) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1253) (-)

Ion 59.00 (58.70 to 59.70): VN060565.D (-1253) (-)





#23

Vinyl Acetate

Concen: 3.677 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

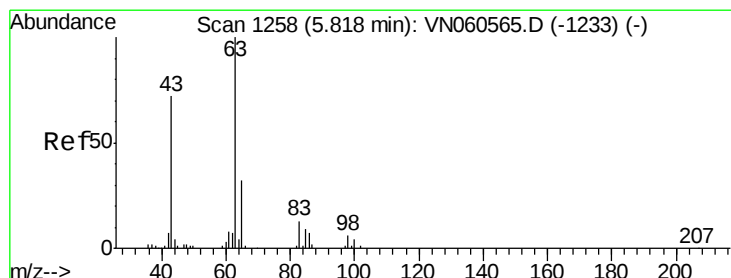
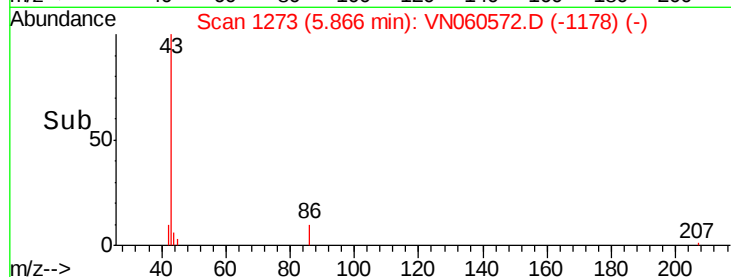
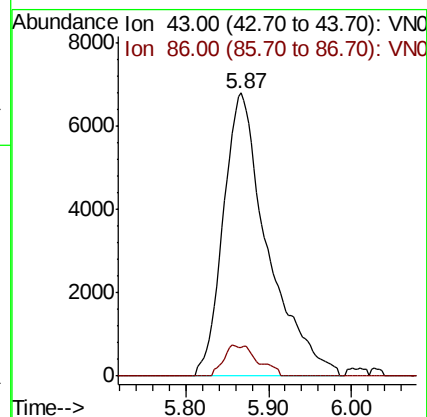
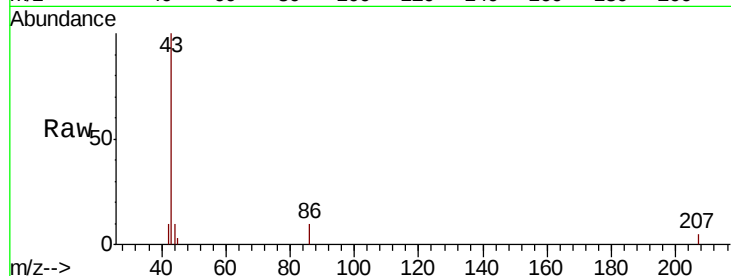
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 25168

Ion Ratio Lower Upper

43 100

86 10.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 0.806 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

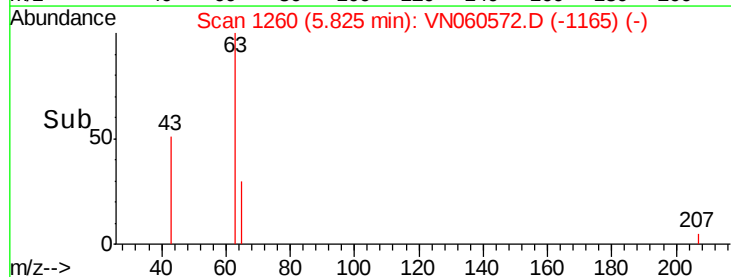
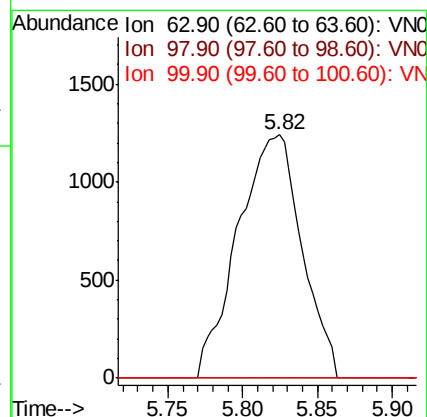
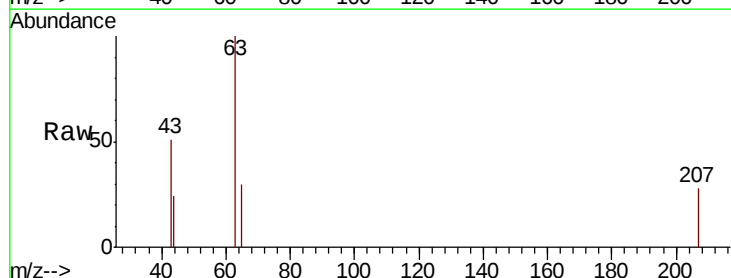
Tgt Ion: 63 Resp: 3685

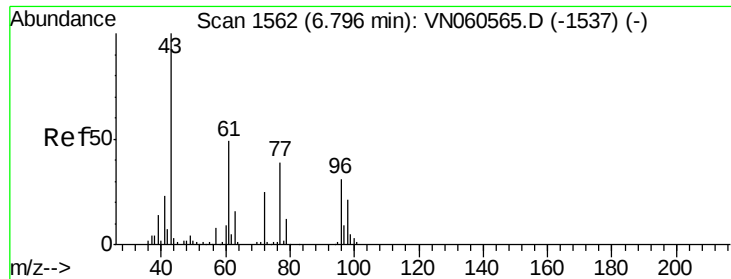
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#

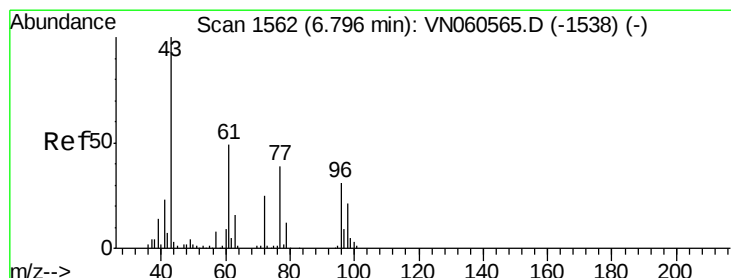
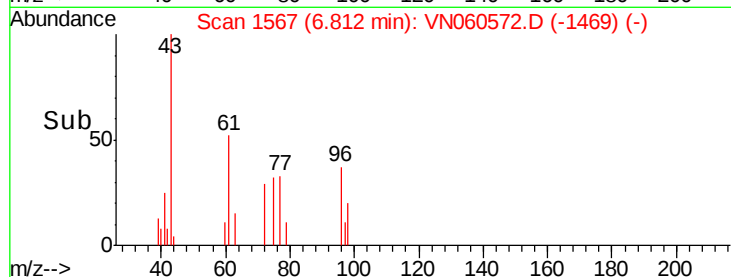
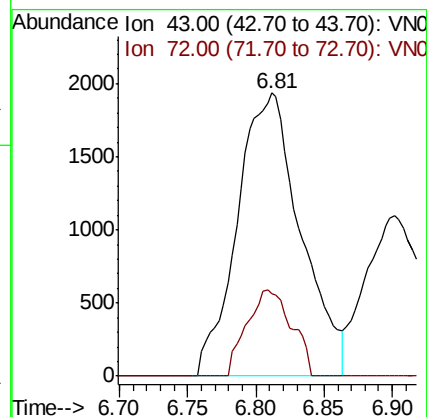
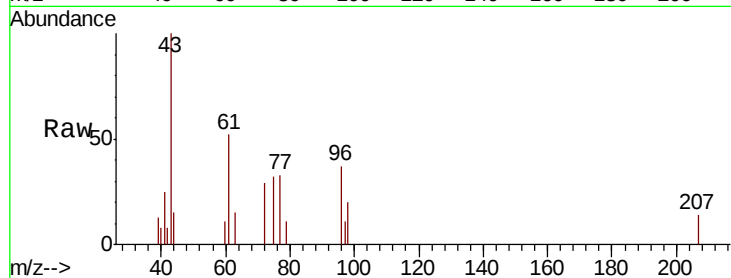




#25
2-Butanone
Concen: 3.807 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

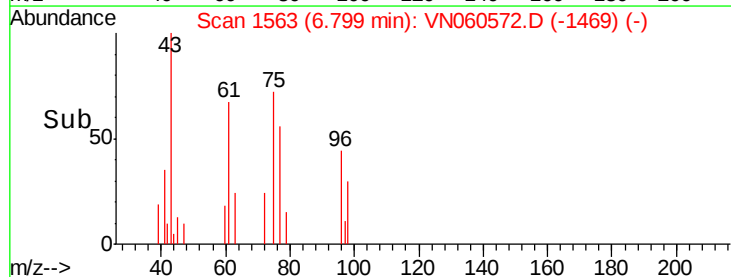
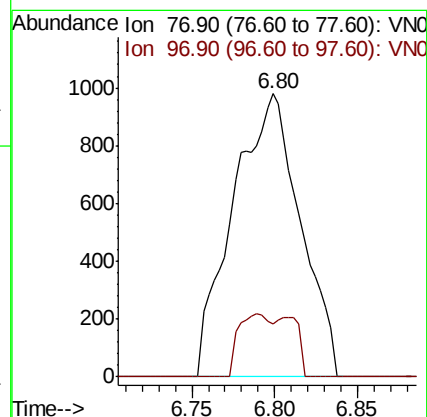
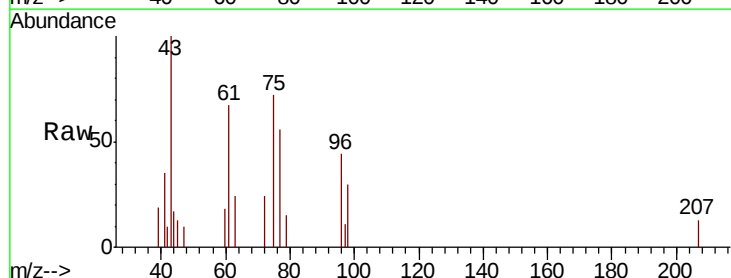
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

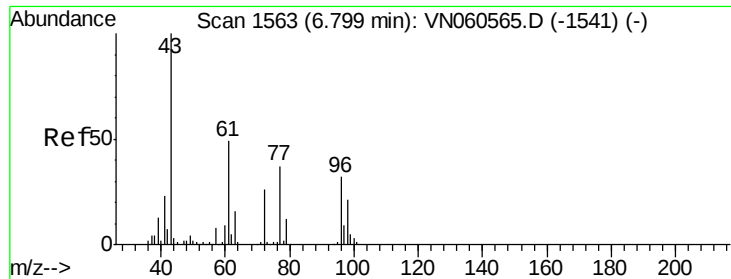
Tot Ion: 43 Resp: 6246
Ion Ratio Lower Upper
43 100
72 29.2 20.4 30.6



#26
2,2-Dichloropropane
Concen: 0.769 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 77 Resp: 2768
Ion Ratio Lower Upper
77 100
97 10.9 11.4 34.1#





#27

cis-1,2-Dichloroethene

Concen: 0.818 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

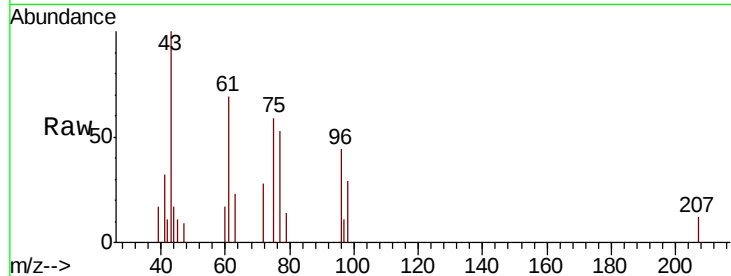
Tot Ion: 96 Resp: 2237

Ion Ratio Lower Upper

96 100

61 151.8 0.0 305.6

98 57.3 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060572.D (-1563) (-)

Ion 60.90 (60.60 to 61.60): VN060572.D (-1563) (-)

Ion 97.90 (97.60 to 98.60): VN060572.D (-1563) (-)

1500

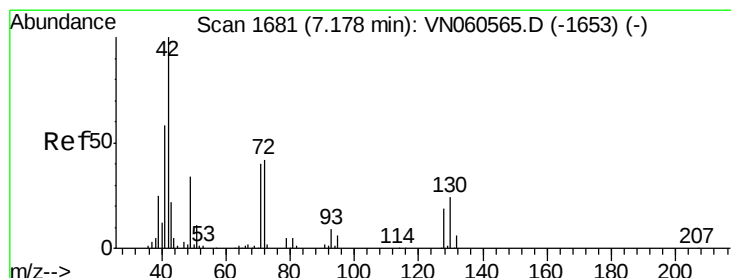
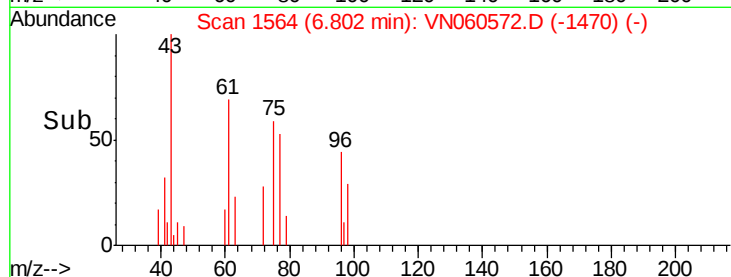
1000

500

0

6.75 6.80 6.85

Time-->



#29

Tetrahydrofuran

Concen: 3.962 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

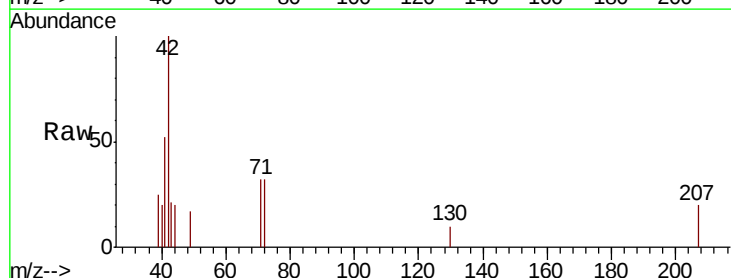
Tgt Ion: 42 Resp: 4599

Ion Ratio Lower Upper

42 100

72 38.6 33.2 49.8

71 33.2 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN060572.D (-1681) (-)

Ion 72.00 (71.70 to 72.70): VN060572.D (-1681) (-)

Ion 71.00 (70.70 to 71.70): VN060572.D (-1681) (-)

2000

1500

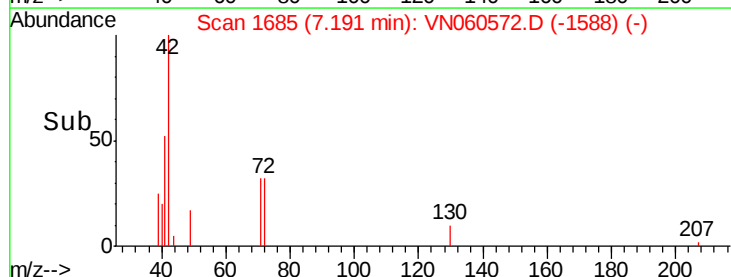
1000

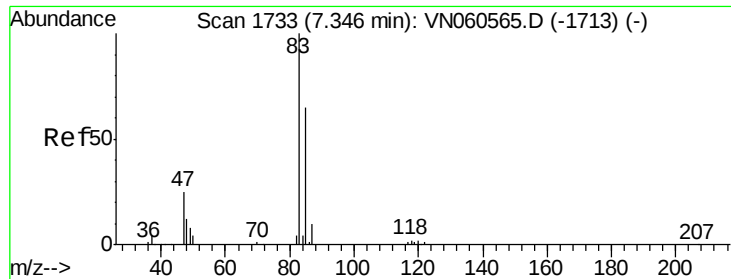
500

0

7.10 7.15 7.20 7.25

Time-->

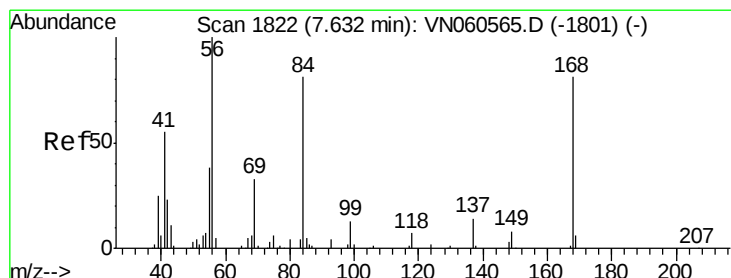
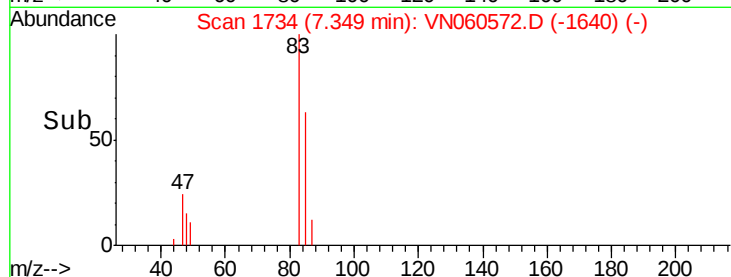
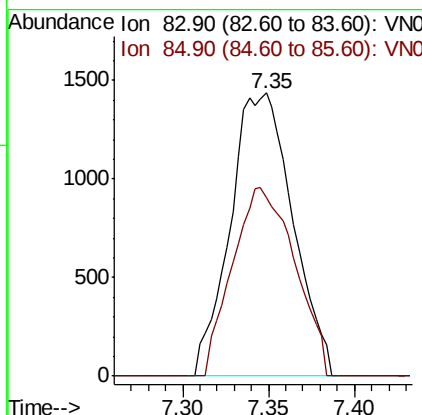
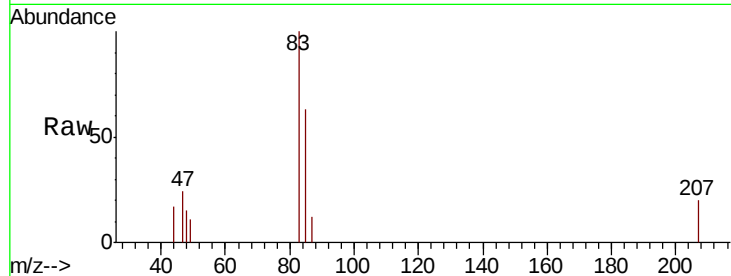




#30
Chloroform
Concen: 0.826 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

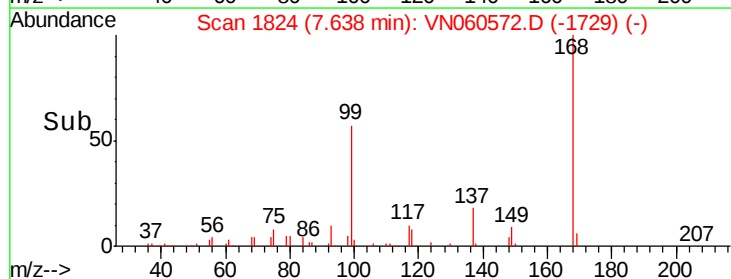
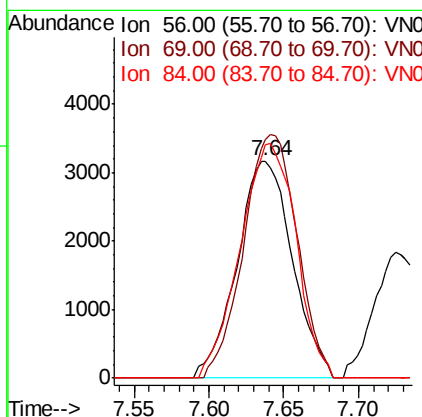
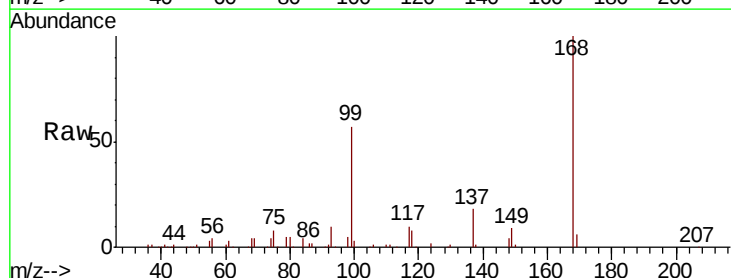
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

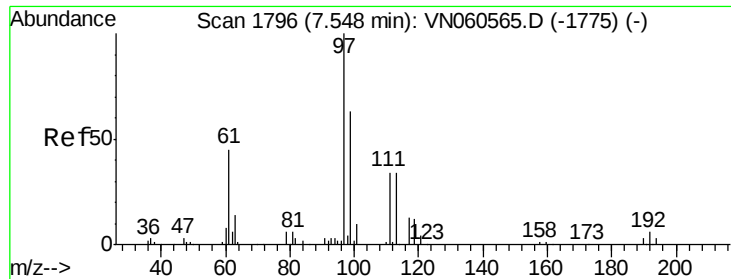
Tot Ion: 83 Resp: 3621
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.8



#31
Cyclohexane
Concen: 1.768 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 56 Resp: 8153
Ion Ratio Lower Upper
56 100
69 110.3 26.6 40.0#
84 107.9 64.3 96.5#

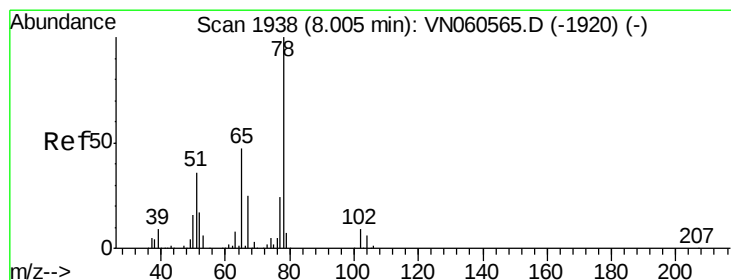
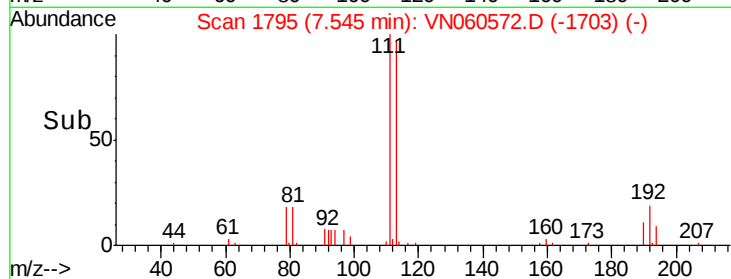
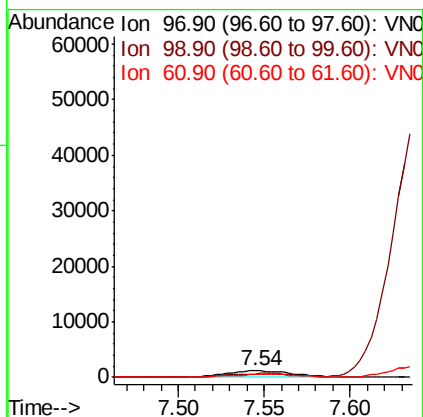
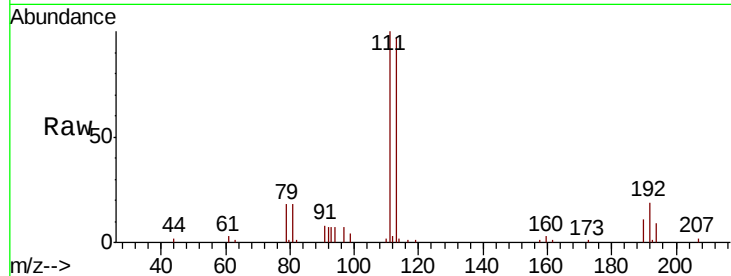




#32
 1,1,1-Trichloroethane
 Concen: 0.826 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

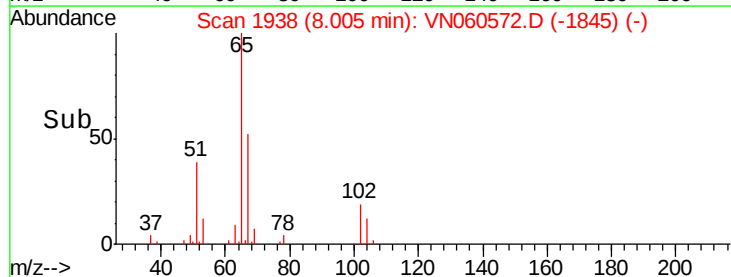
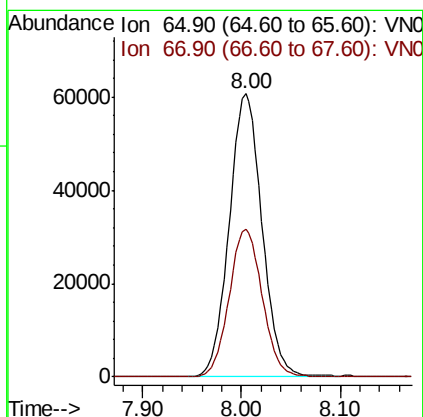
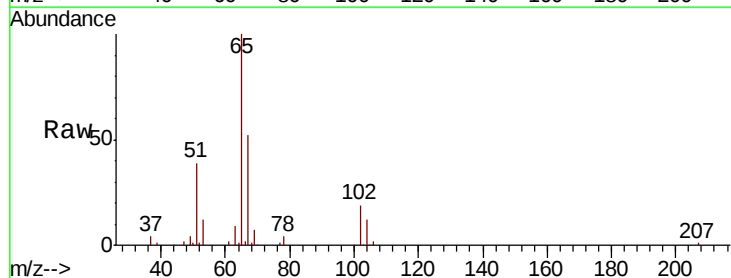
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

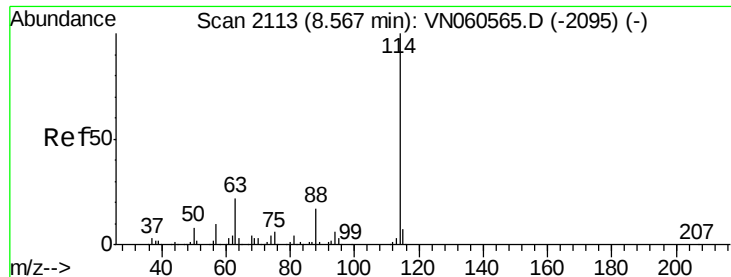
Tot Ion: 97 Resp: 3121
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.6 75.8#
 61 46.3 36.2 54.4



#33
 1,2-Dichloroethane-d4
 Concen: 49.214 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion: 65 Resp: 140868
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6

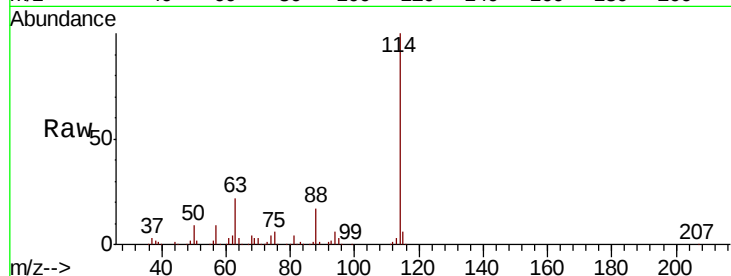




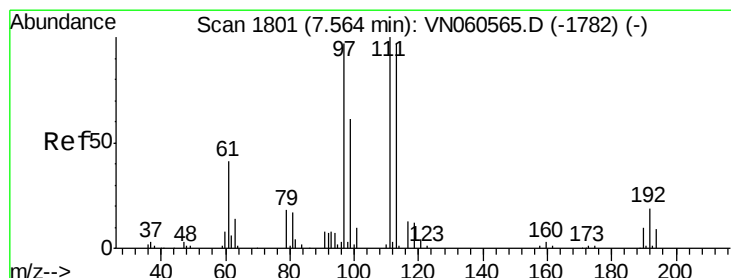
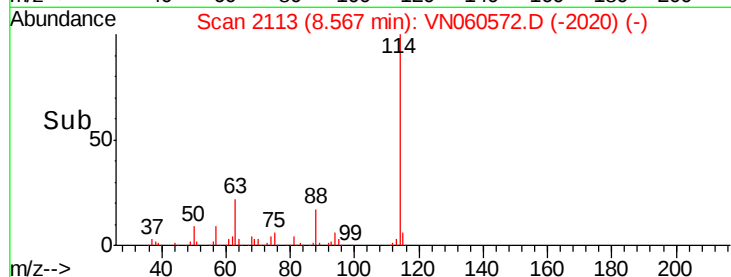
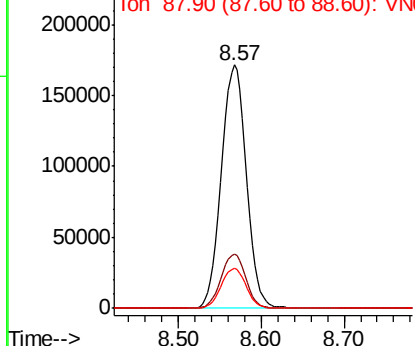
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.5	0.0	33.0

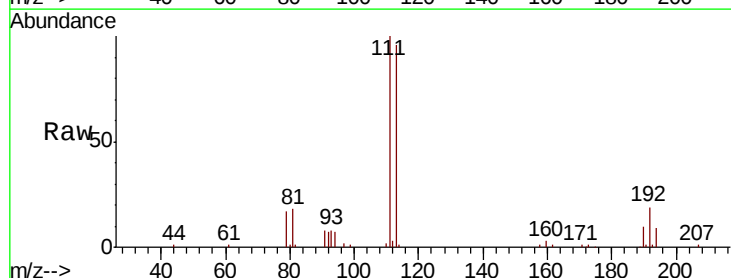


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

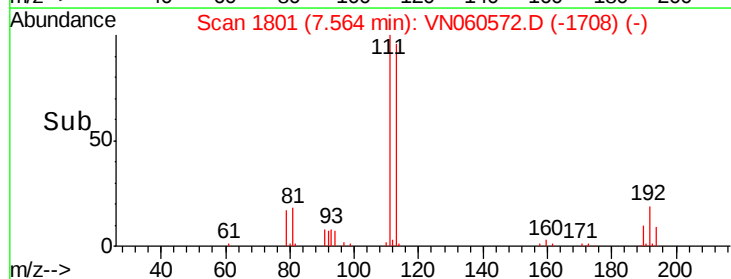
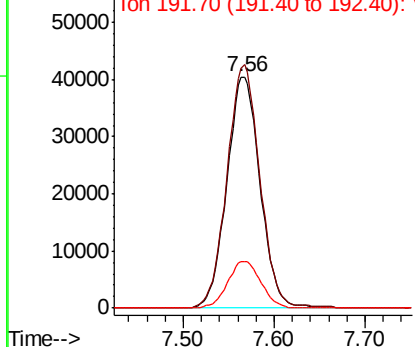


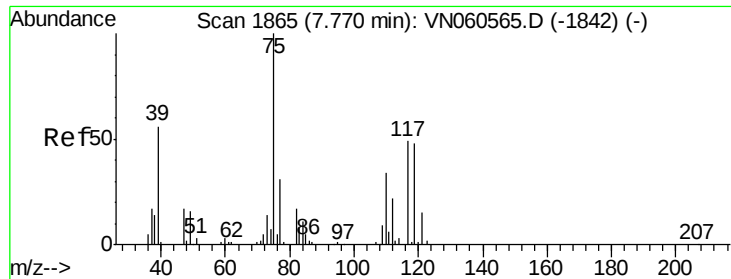
#35
 Dibromofluoromethane
 Concen: 47.321 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	20.1	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

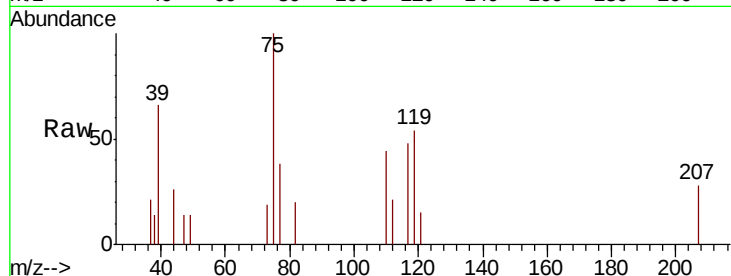




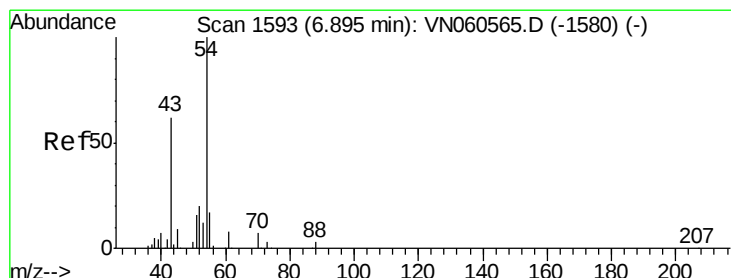
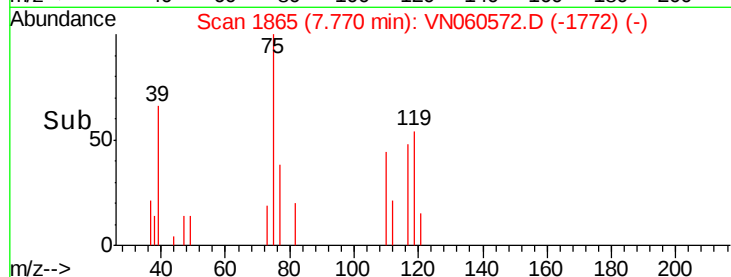
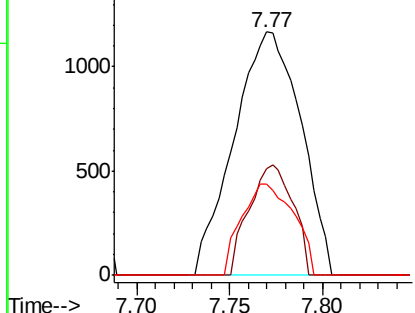
#36
 1,1-Dichloropropene
 Concen: 0.838 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.7	16.9	50.6
77	29.2	24.6	36.8

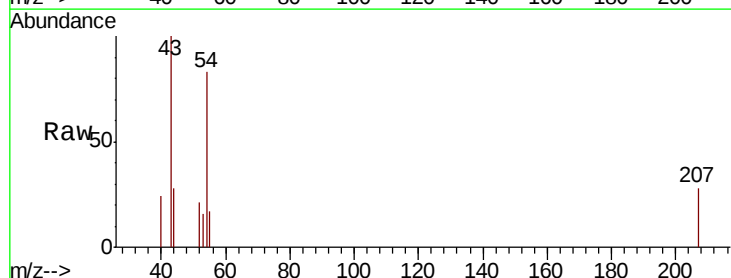


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

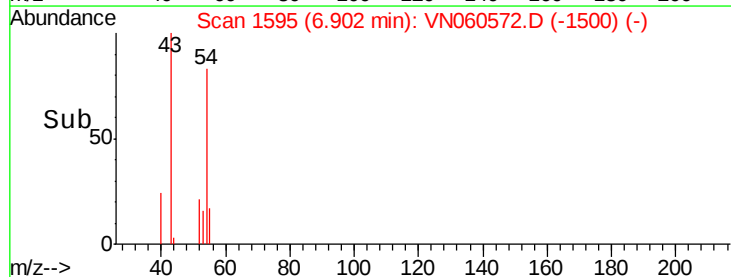
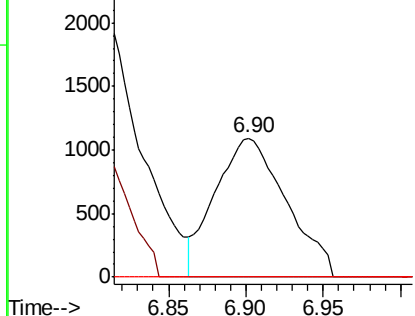


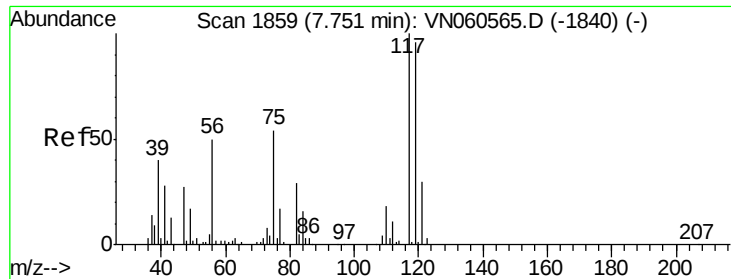
#37
 Ethyl Acetate
 Concen: 0.928 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

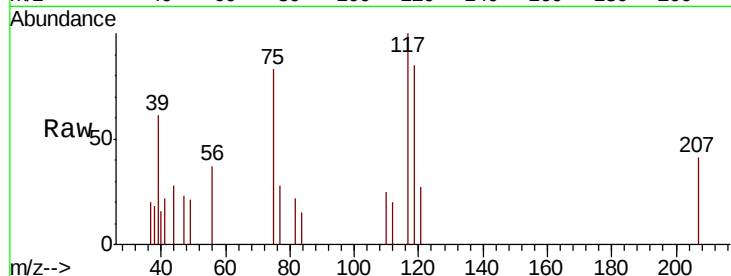




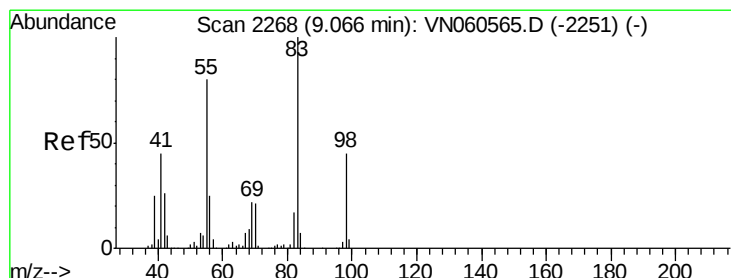
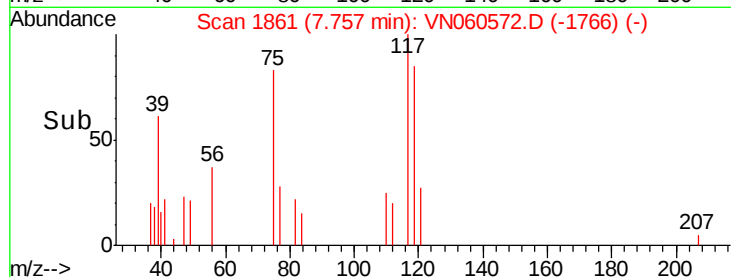
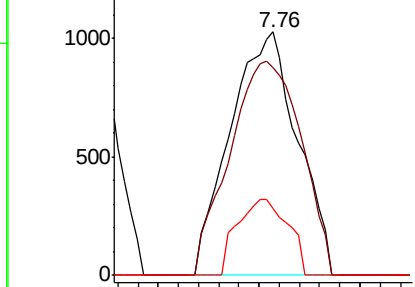
#38
Carbon Tetrachloride
Concen: 0.764 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion:117 Resp: 2384
Ion Ratio Lower Upper
117 100
119 85.3 76.2 114.2
121 27.4 23.7 35.5

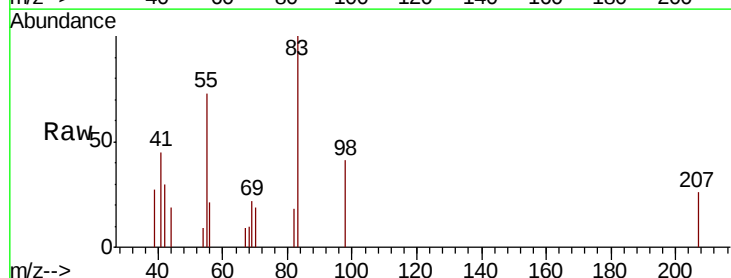


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

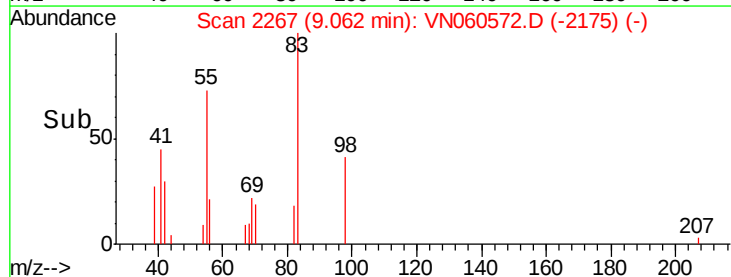
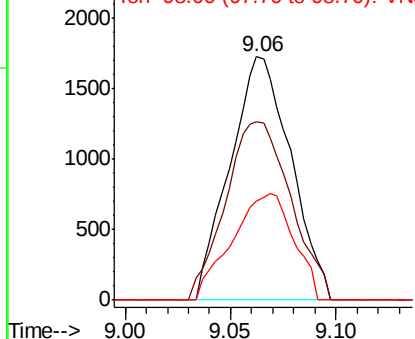


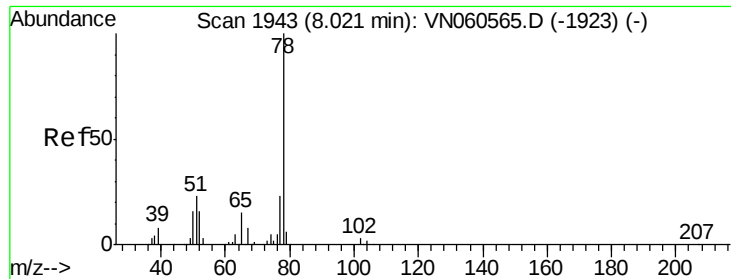
#39
Methylcyclohexane
Concen: 0.835 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 83 Resp: 3455
Ion Ratio Lower Upper
83 100
55 73.2 63.6 95.4
98 40.8 36.0 54.0



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





#40

Benzene

Concen: 0.833 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

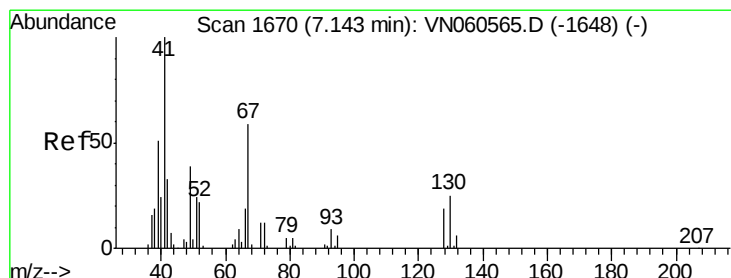
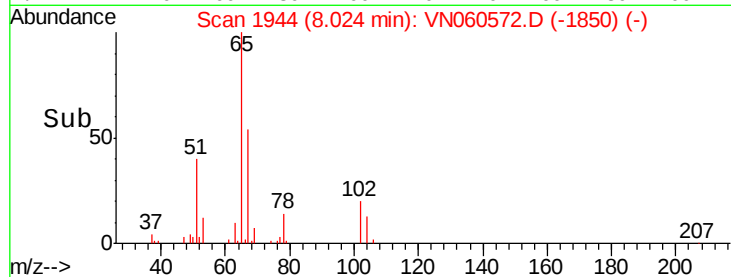
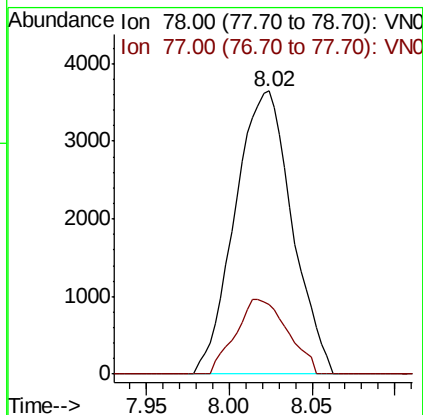
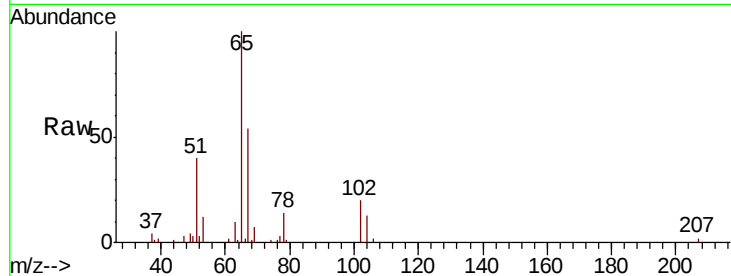
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 78 Resp: 8755

Ion Ratio Lower Upper

78 100

77 24.7 18.6 28.0



#41

Methacrylonitrile

Concen: 2.541 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.04 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt Ion: 41 Resp: 4081

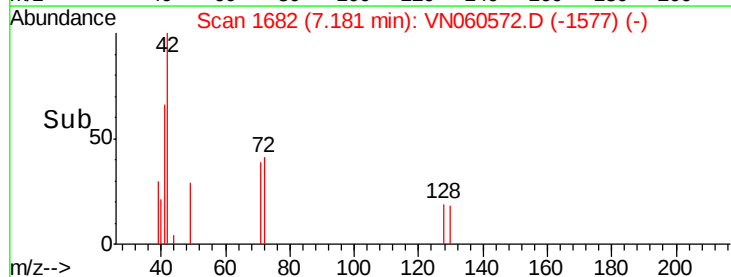
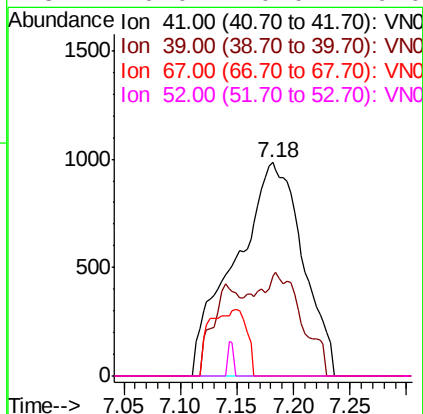
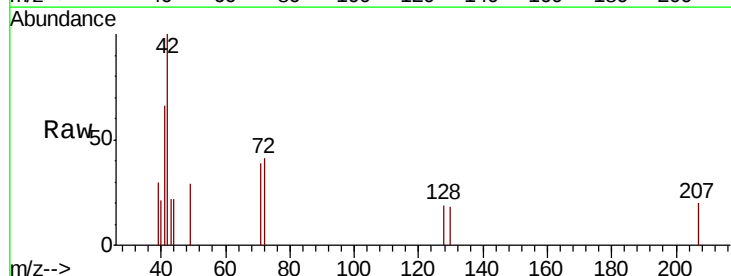
Ion Ratio Lower Upper

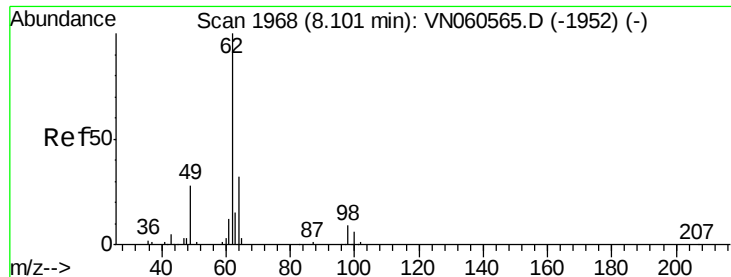
41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 0.857 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.01 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

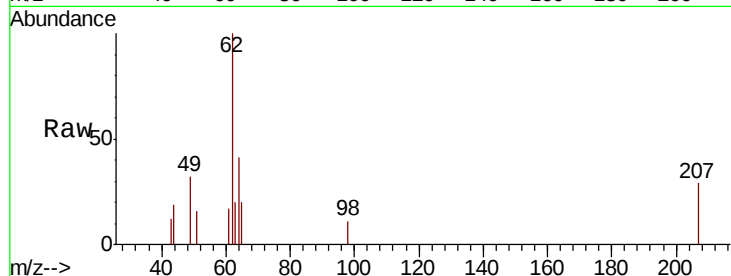
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 62 Resp: 3079

Ion Ratio Lower Upper

62 100

98 0.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.11

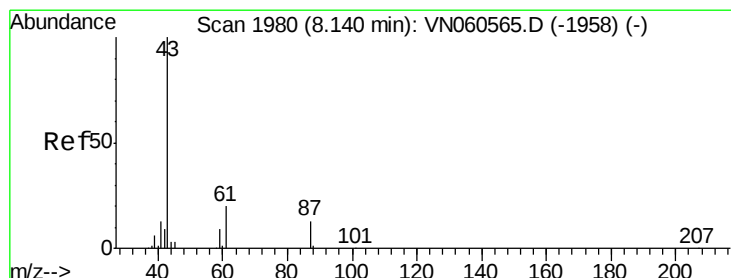
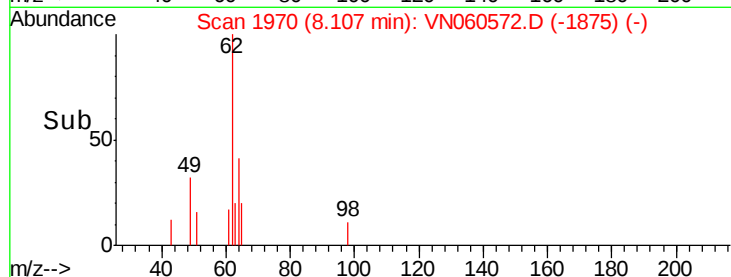
1500

1000

500

0

Time-->



#43

Isopropyl Acetate

Concen: 0.766 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

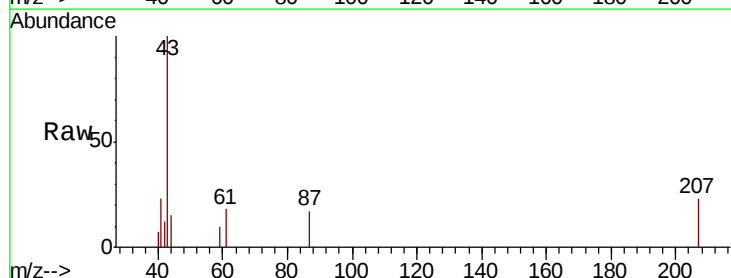
Tgt Ion: 43 Resp: 4752

Ion Ratio Lower Upper

43 100

61 7.2 20.7 31.1#

87 9.0 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.14

2500

2000

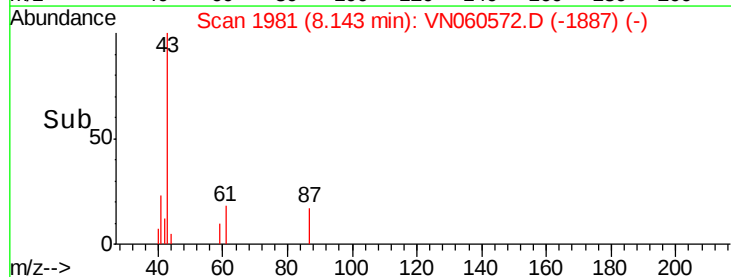
1500

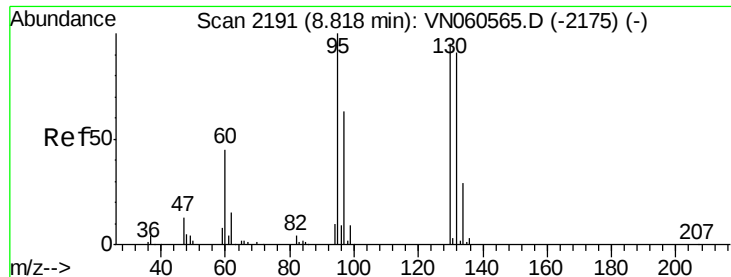
1000

500

0

Time-->





#44

Trichloroethene

Concen: 0.898 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

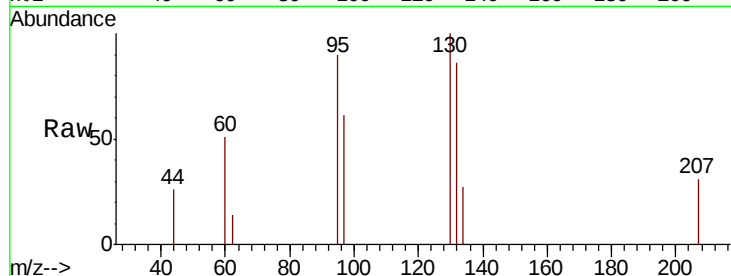
LOD-MDL-WATER-01-QT1-2020

Tot Ion:130 Resp: 2380

Ion Ratio Lower Upper

130 100

95 89.8 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.82

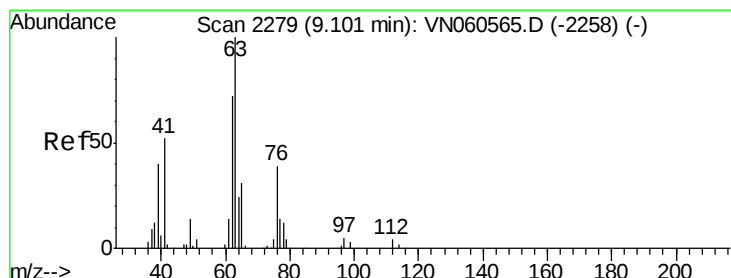
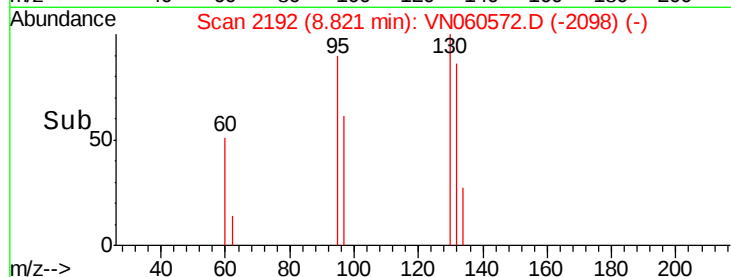
1000

500

0

8.80 8.85

Time-->



#45

1,2-Dichloropropane

Concen: 0.832 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060572.D

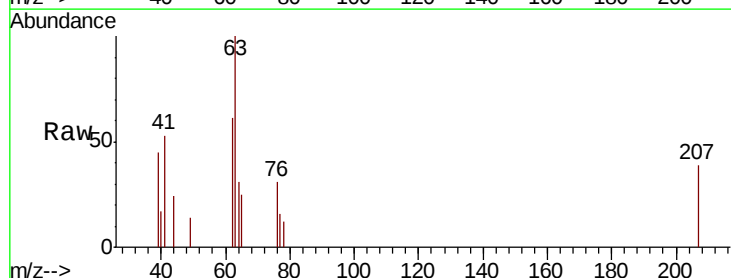
Acq: 17 Mar 2020 22:36

Tgt Ion: 63 Resp: 2308

Ion Ratio Lower Upper

63 100

65 24.7 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

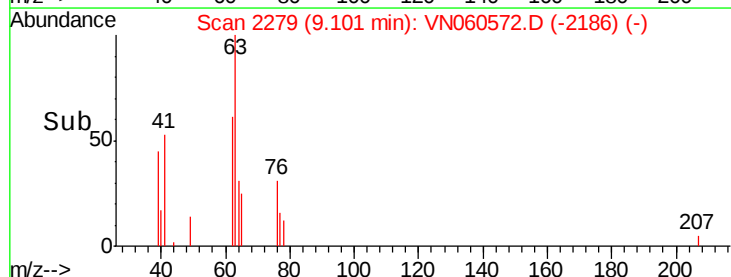
1000

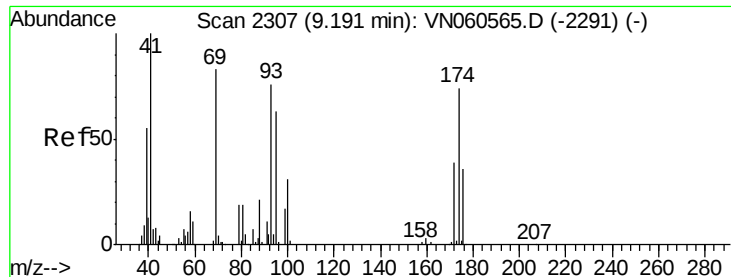
500

0

9.05 9.10 9.15

Time-->

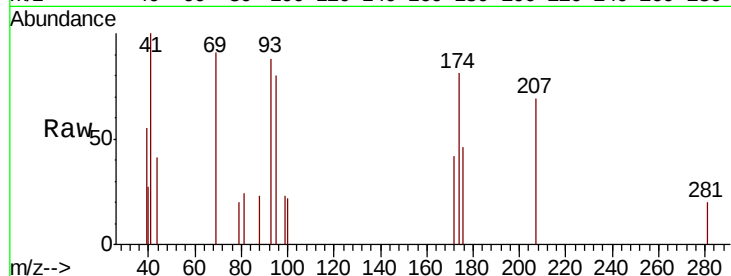




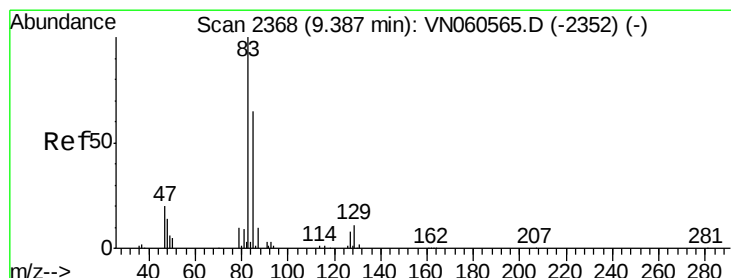
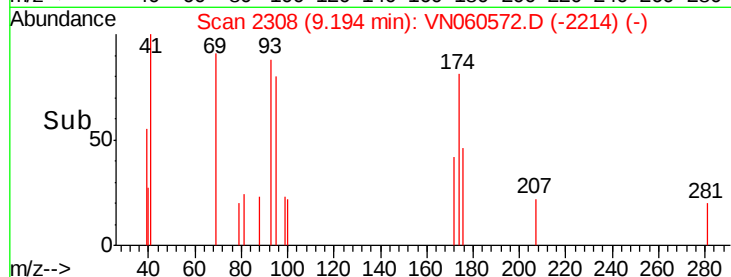
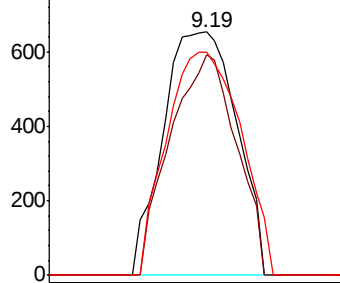
#46
Dibromomethane
Concen: 0.775 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion: 93 Resp: 1299
Ion Ratio Lower Upper
93 100
95 81.6 66.2 99.4
174 93.1 77.9 116.9

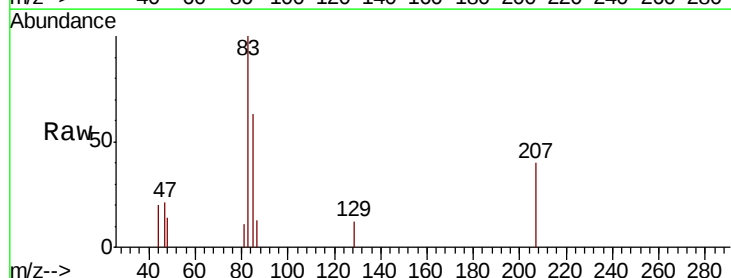


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

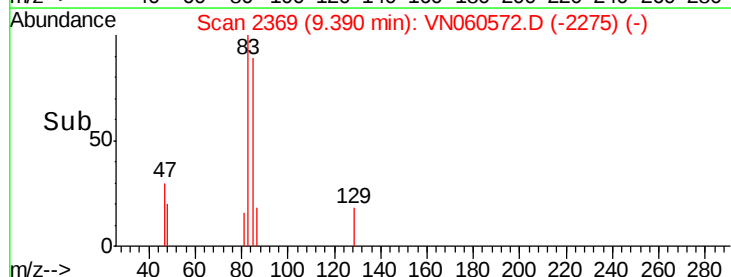
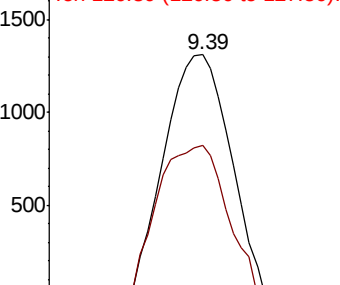


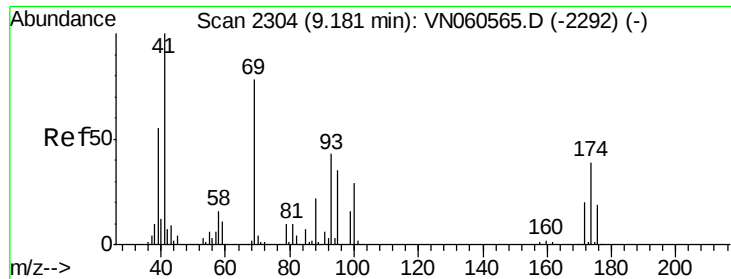
#47
Bromodichloromethane
Concen: 0.706 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 83 Resp: 2462
Ion Ratio Lower Upper
83 100
85 62.7 51.8 77.6
127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

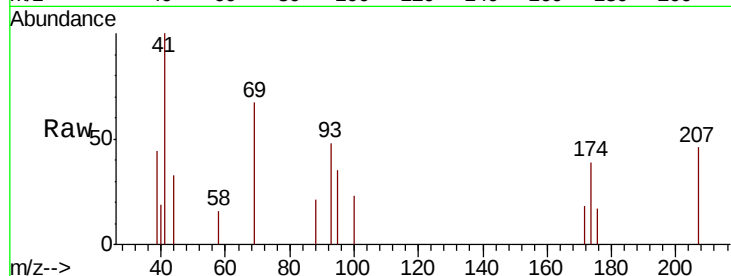




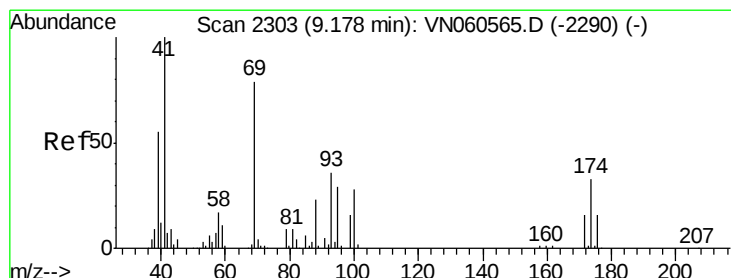
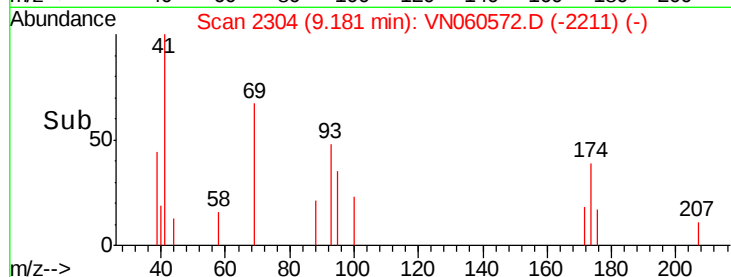
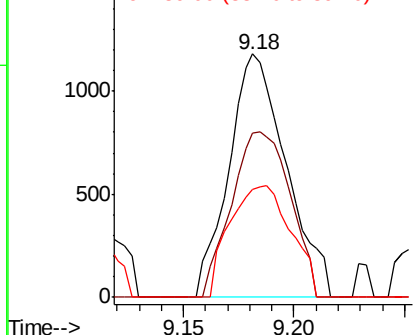
#48
Methvl methacrylate
Concen: 0.771 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion: 41 Resp: 2131
Ion Ratio Lower Upper
41 100
69 69.5 65.4 98.0
39 48.9 44.0 66.0

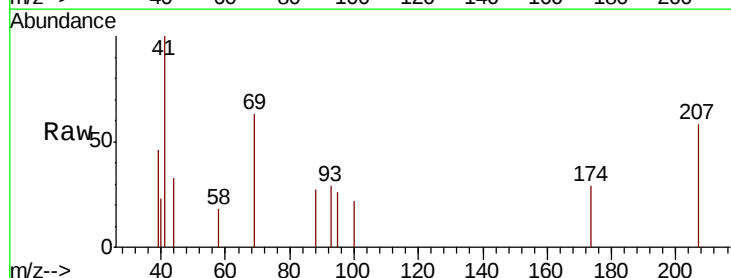


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

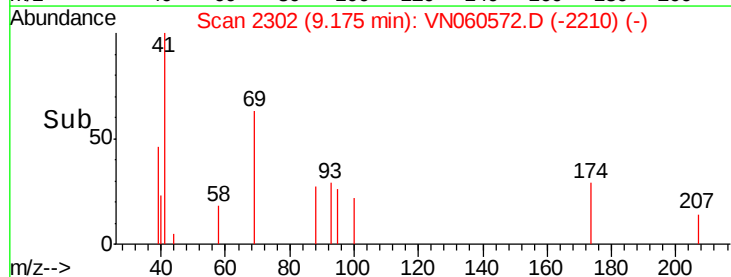
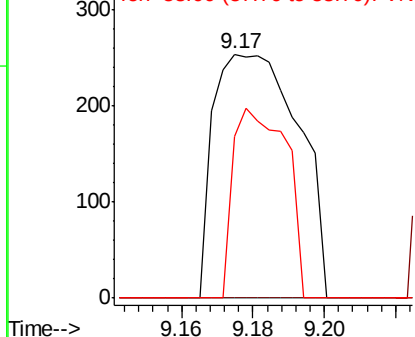


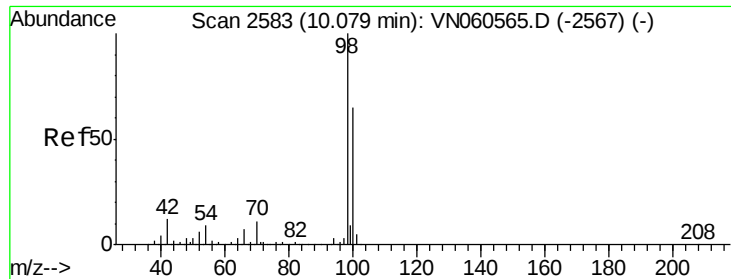
#49
1,4-Dioxane
Concen: 12.666 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 88 Resp: 416
Ion Ratio Lower Upper
88 100
43 0.0 30.8 46.2#
58 48.8 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: 46.253 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

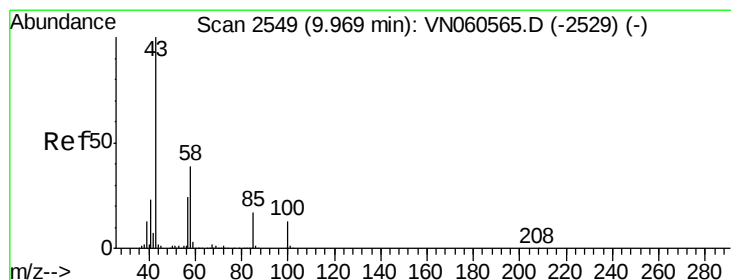
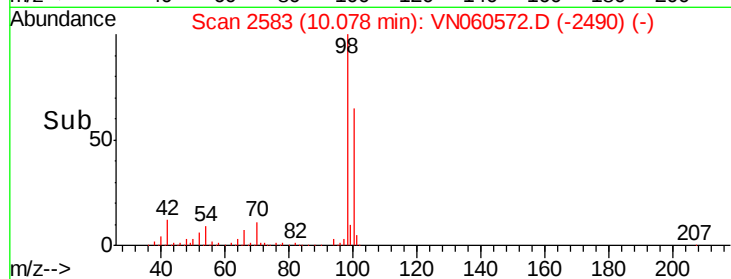
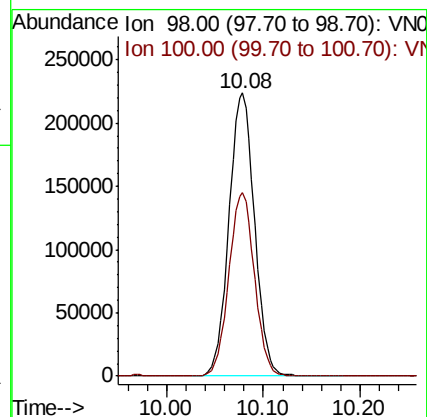
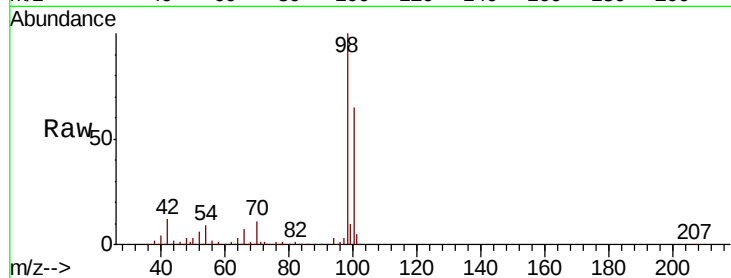
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 98 Resp: 410889

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 3.734 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060572.D

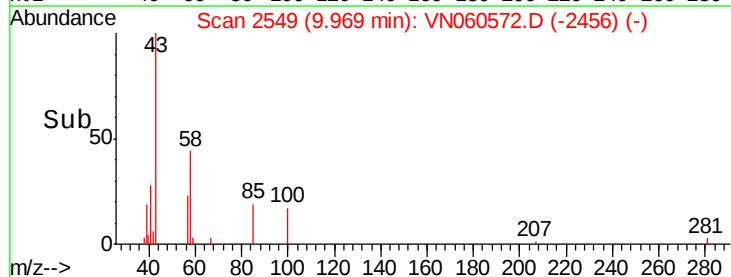
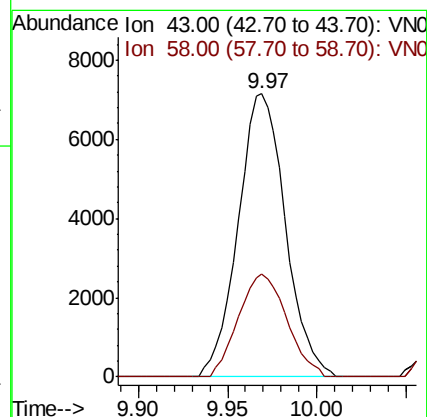
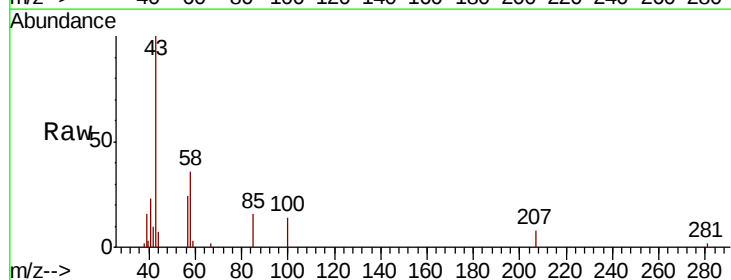
Acq: 17 Mar 2020 22:36

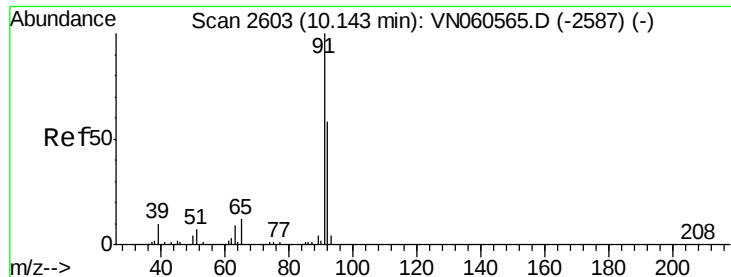
Tgt Ion: 43 Resp: 13186

Ion Ratio Lower Upper

43 100

58 37.1 30.8 46.2





#52

Toluene

Concen: 0.800 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

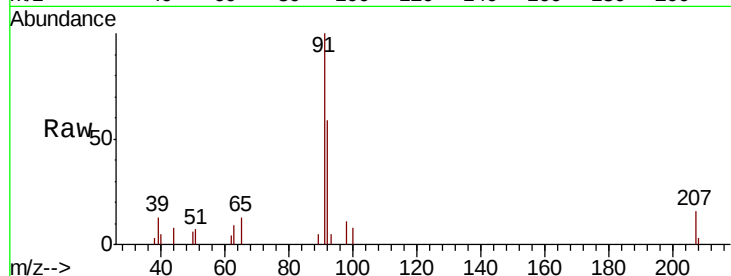
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 92 Resp: 5080

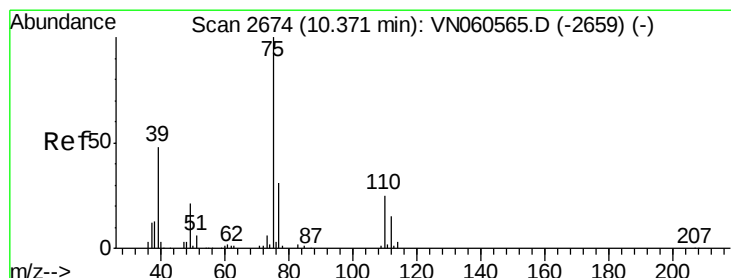
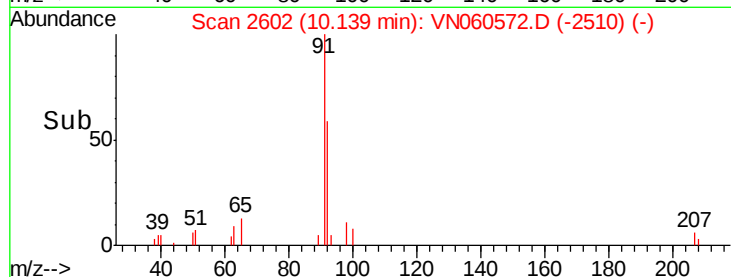
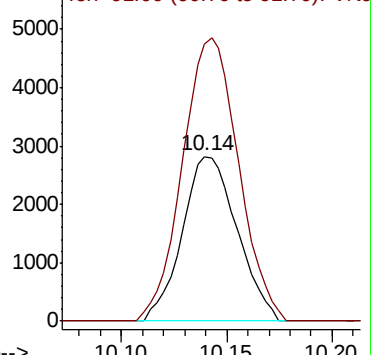
Ion Ratio Lower Upper

92 100

91 176.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060572.D (-2510) (-)



#53

t-1,3-Dichloropropene

Concen: 0.799 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060572.D

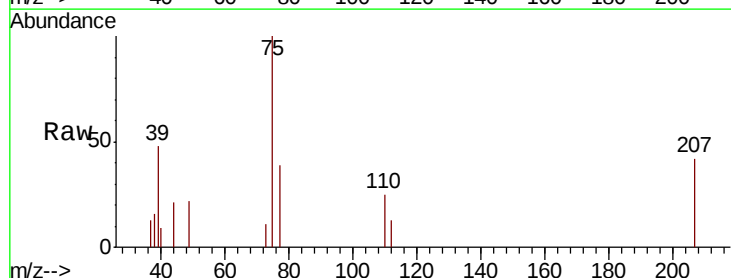
Acq: 17 Mar 2020 22:36

Tgt Ion: 75 Resp: 3200

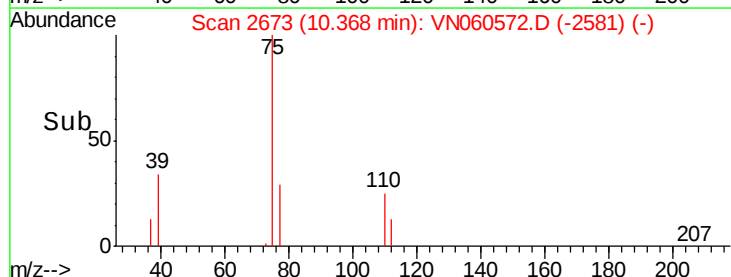
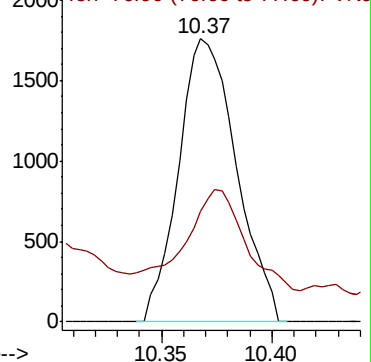
Ion Ratio Lower Upper

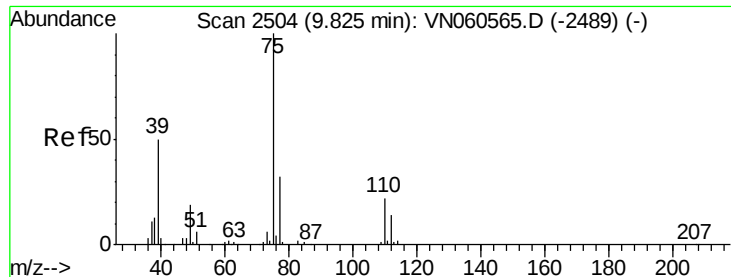
75 100

77 25.1 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060572.D (-2581) (-)



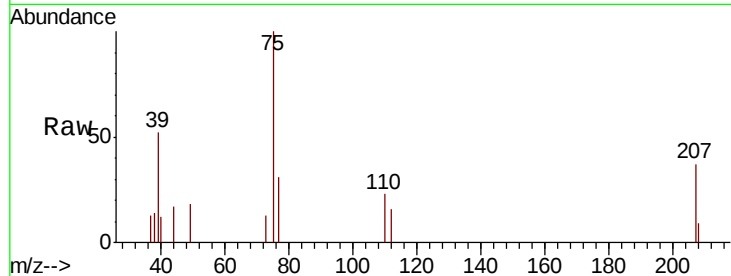


#54

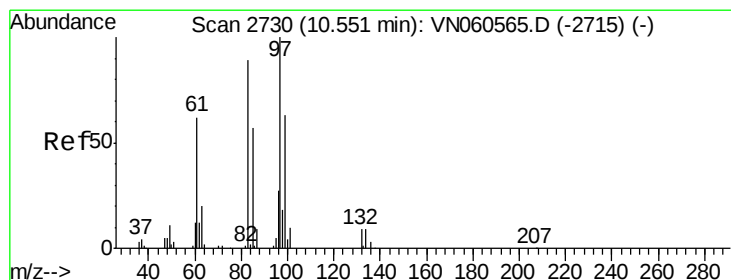
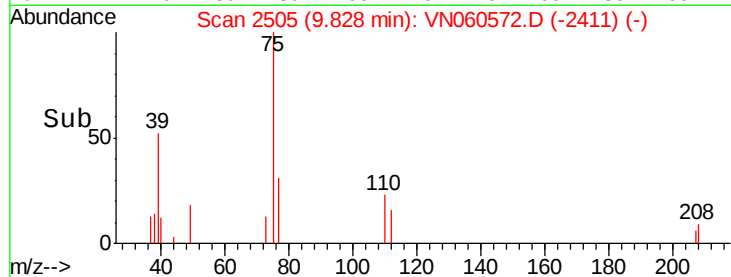
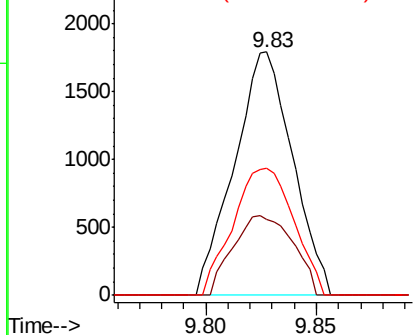
cis-1,3-Dichloropropene
 Concen: 0.746 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion: 75 Resp: 3278
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0
 39 52.0 40.2 60.4



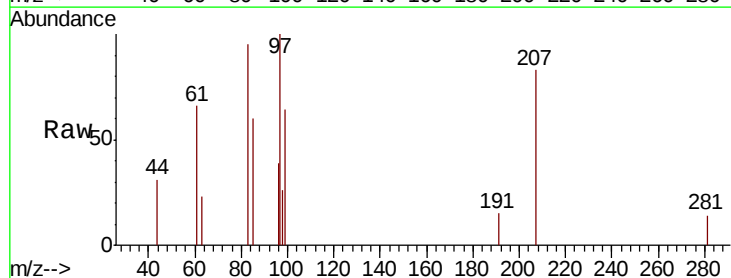
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



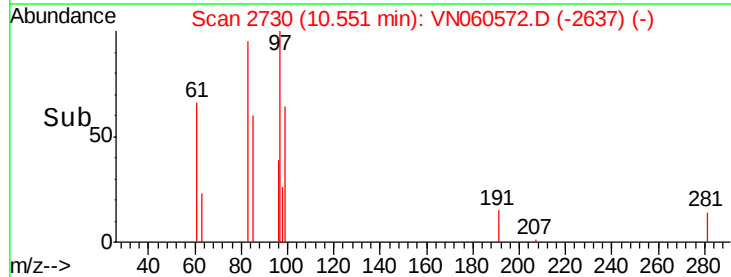
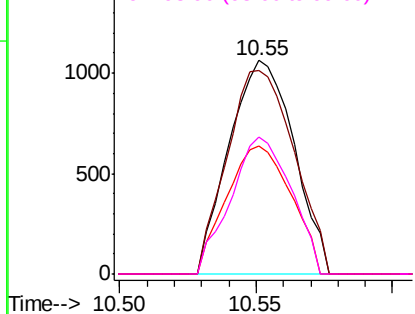
#55

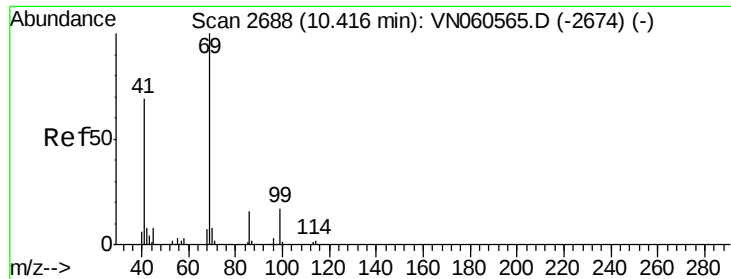
1,1,2-Trichloroethane
 Concen: 0.718 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion: 97 Resp: 1755
 Ion Ratio Lower Upper
 97 100
 83 95.1 71.3 106.9
 85 60.2 45.2 67.8
 99 64.4 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: 0.619 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

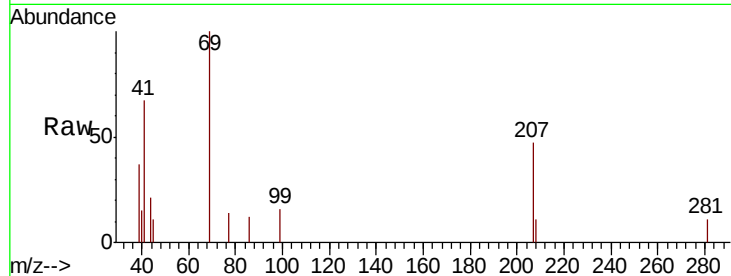
Tot Ion: 69 Resp: 2358

Ion Ratio Lower Upper

69 100

41 81.1 55.4 83.2

39 38.3 29.4 44.0

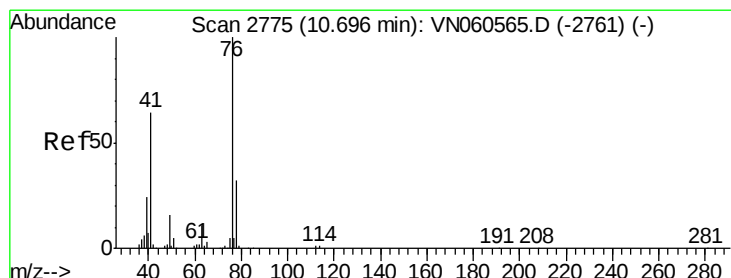
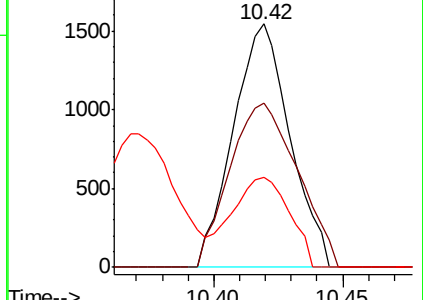
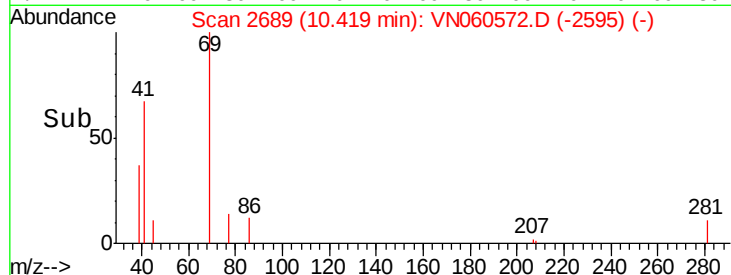


Abundance Ion 69.00 (68.70 to 69.70): VN060572.D (-2688) (-)

Ion 41.00 (40.70 to 41.70): VN060572.D (-2688) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2688) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.814 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN060572.D

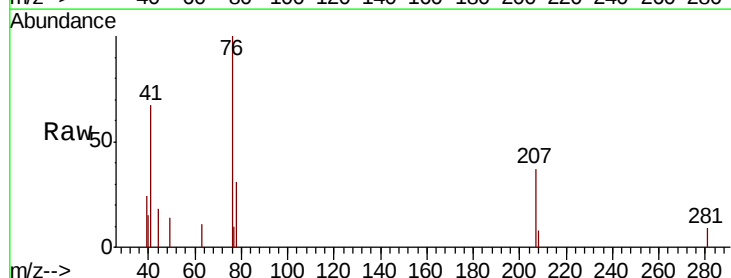
Acq: 17 Mar 2020 22:36

Tgt Ion: 76 Resp: 3450

Ion Ratio Lower Upper

76 100

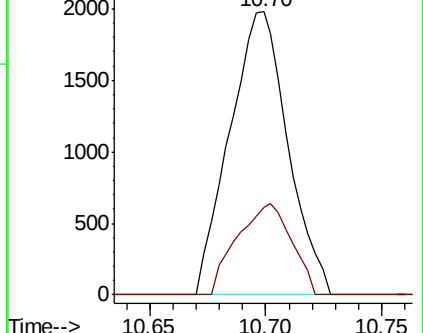
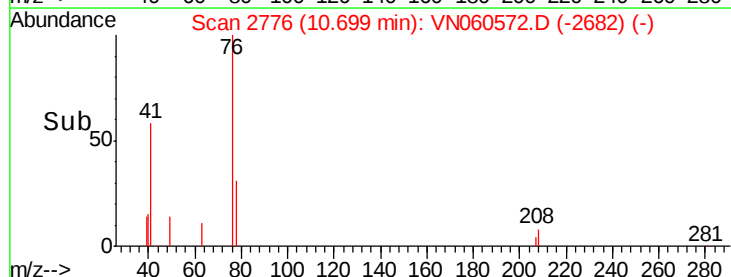
78 30.3 25.8 38.6

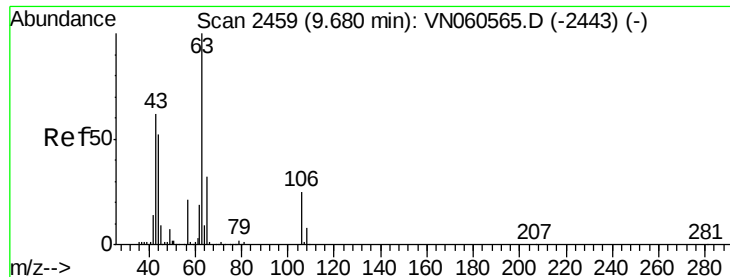


Abundance Ion 75.90 (75.60 to 76.60): VN060572.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060572.D (-2682) (-)

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 3.107 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

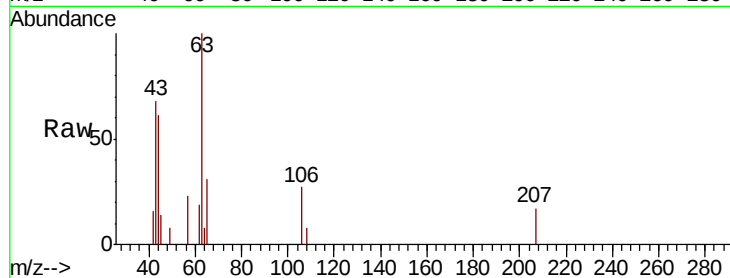
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 63 Resp: 5881

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060565.D (-2443) (-)

9.68

3000

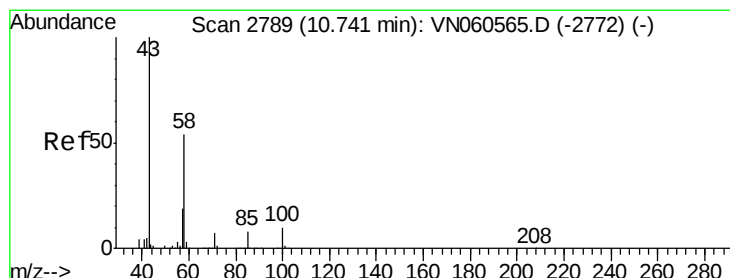
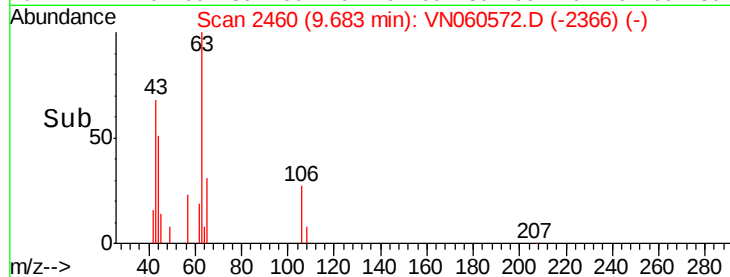
2000

1000

0

9.65 9.70

Time-->



#59

2-Hexanone

Concen: 3.358 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060572.D

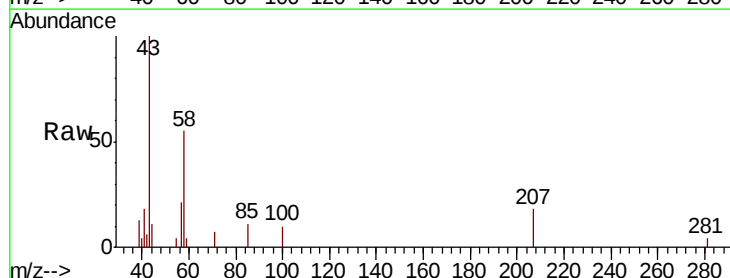
Acq: 17 Mar 2020 22:36

Tgt Ion: 43 Resp: 8543

Ion Ratio Lower Upper

43 100

58 52.9 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2772) (-)

10.74

5000

4000

3000

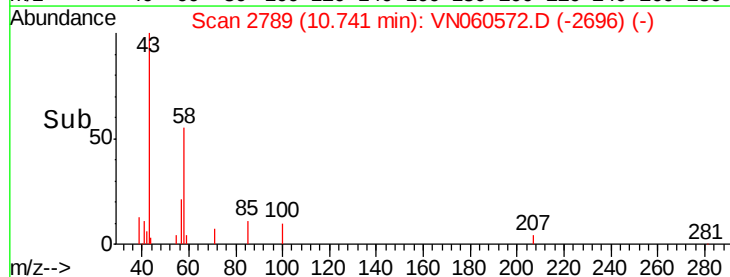
2000

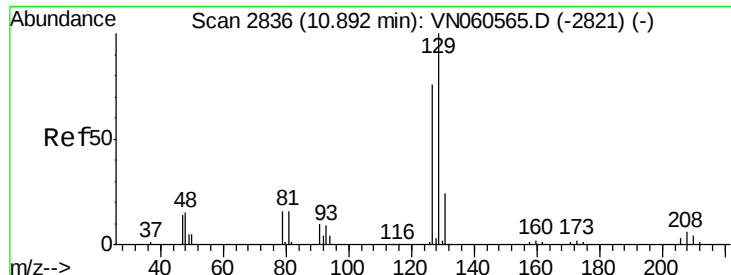
1000

0

10.70 10.75 10.80

Time-->

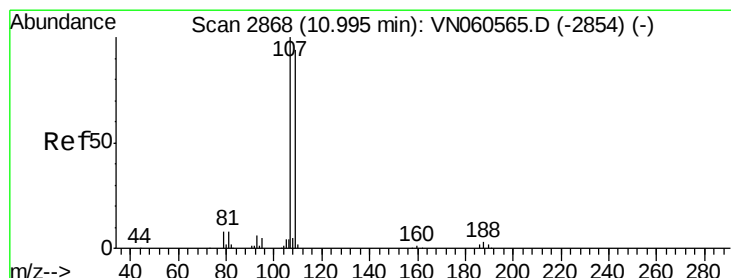
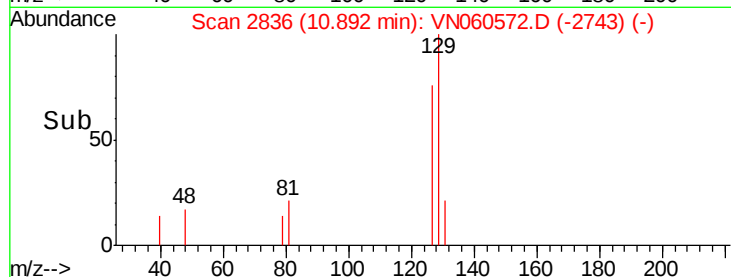
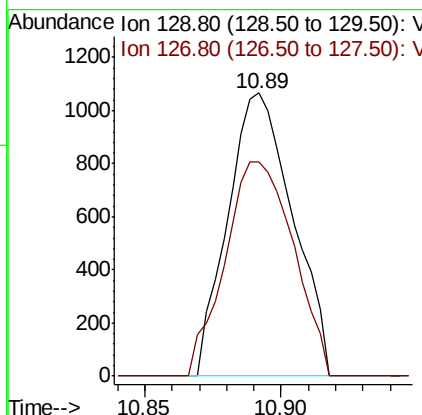
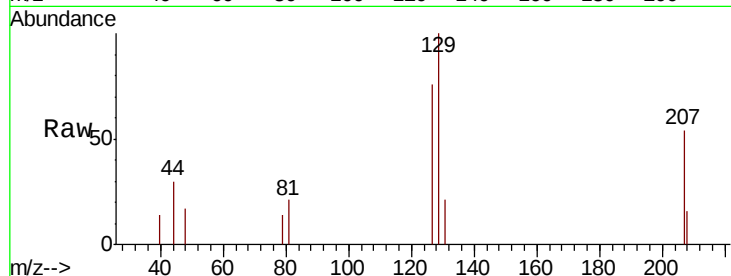




#60
Dibromochloromethane
Concen: 0.697 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

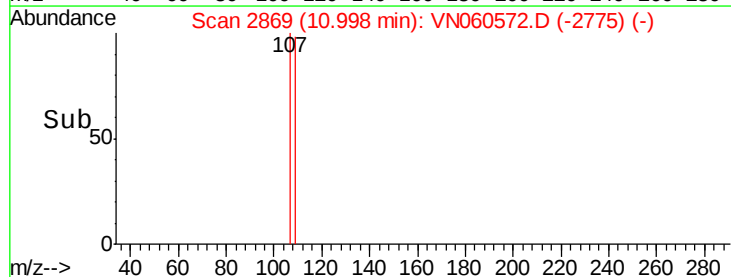
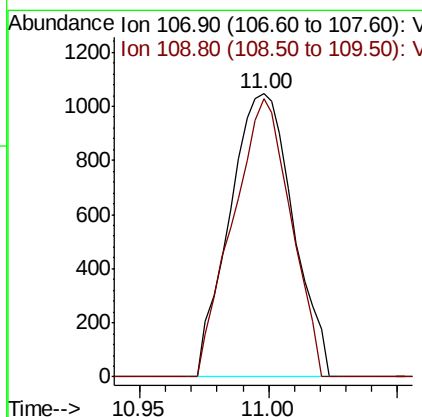
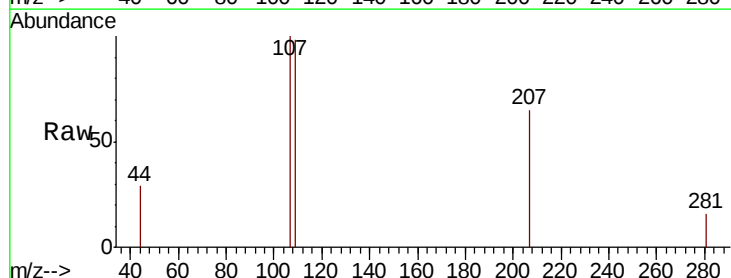
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

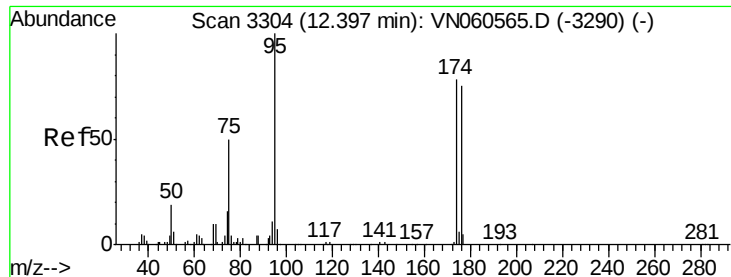
Tot Ion:129 Resp: 1758
Ion Ratio Lower Upper
129 100
127 80.0 38.5 115.5



#61
1,2-Dibromoethane
Concen: 0.730 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion:107 Resp: 1793
Ion Ratio Lower Upper
107 100
109 89.8 75.4 113.2





#62

4-Bromofluorobenzene

Concen: 43.082 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

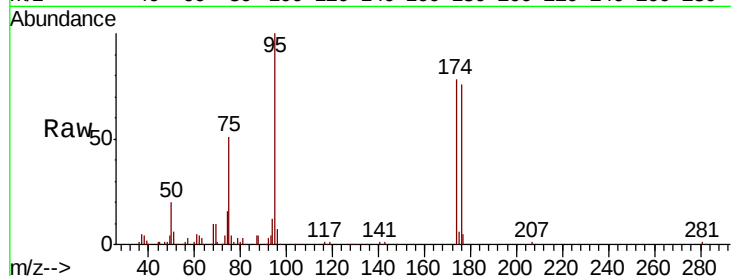
Tot Ion: 95 Resp: 140260

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

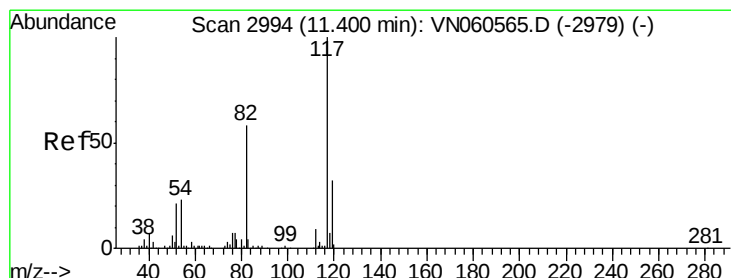
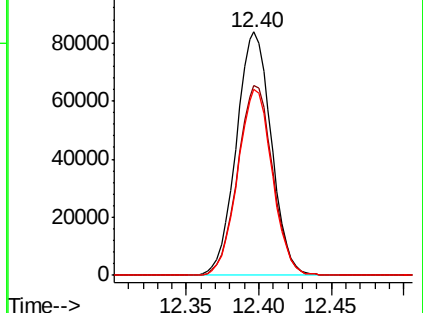
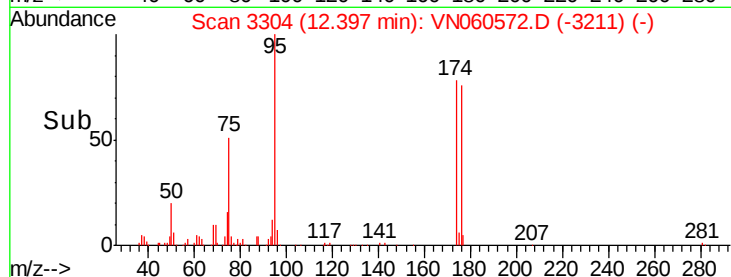
176 75.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060572.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060572.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060572.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

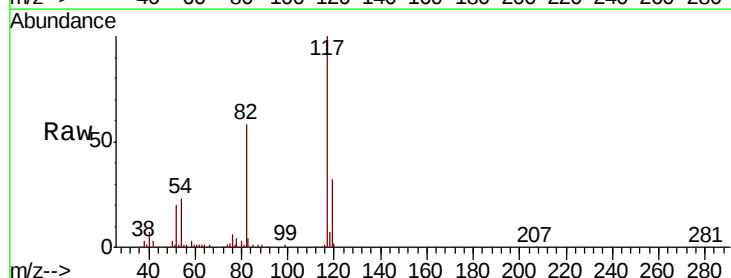
Tgt Ion: 117 Resp: 317784

Ion Ratio Lower Upper

117 100

82 57.6 46.7 70.1

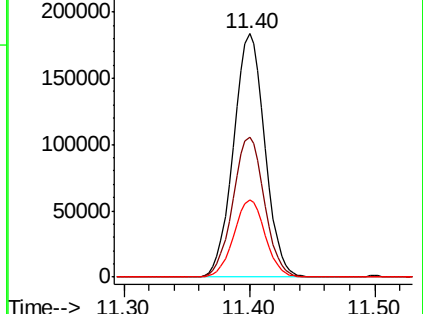
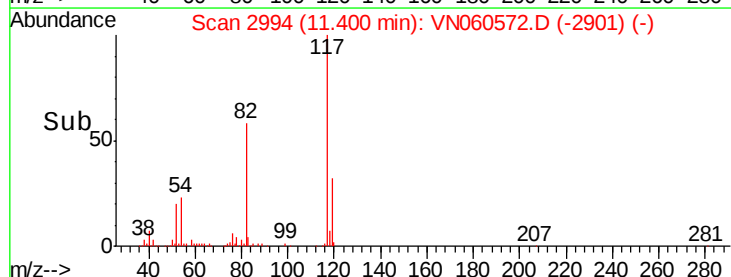
119 31.7 25.5 38.3

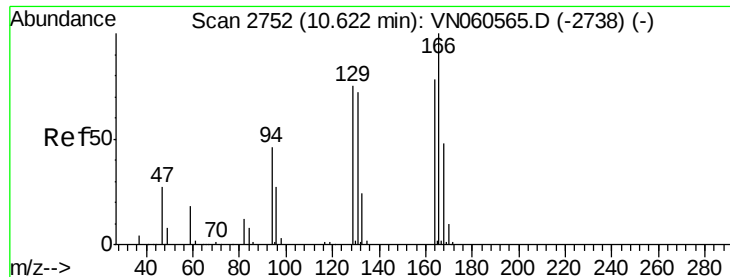


Abundance Ion 116.90 (116.60 to 117.60): VN060572.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060572.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060572.D (-2901) (-)





#64

Tetrachloroethene

Concen: 0.934 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:164 Resp: 2336

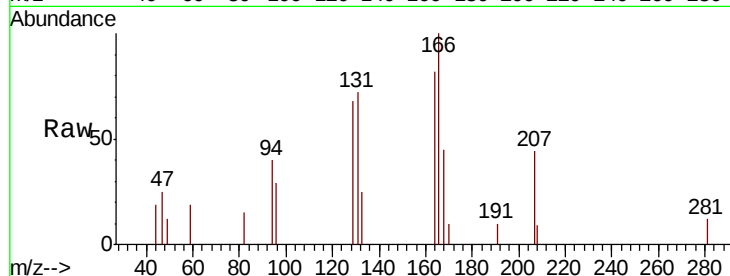
Ion Ratio Lower Upper

164 100

166 122.4 102.7 154.1

129 83.4 77.2 115.8

131 88.2 73.8 110.6



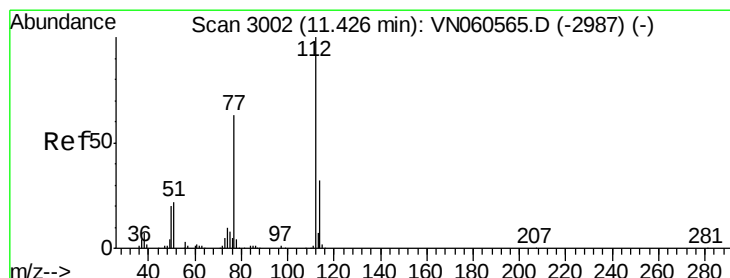
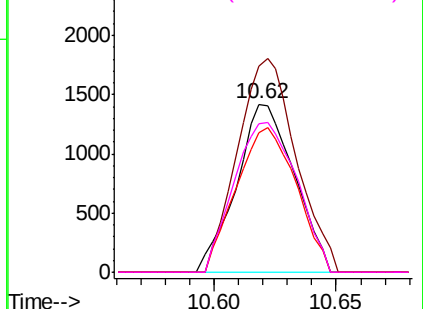
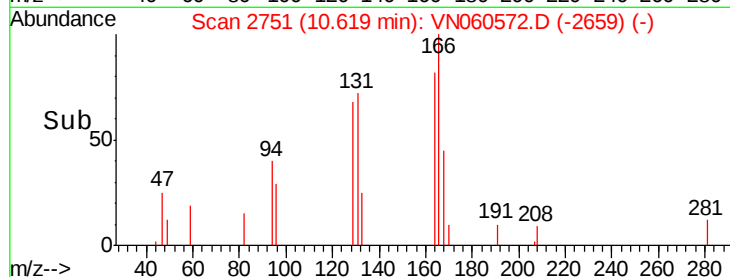
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.857 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060572.D

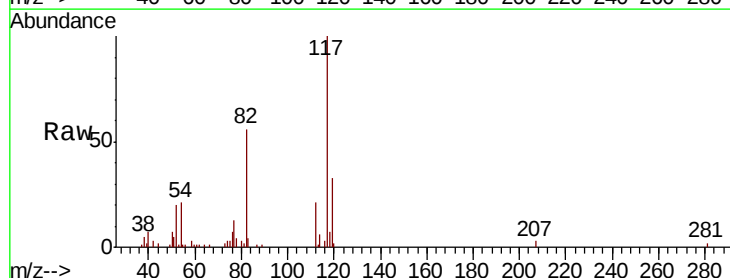
Acq: 17 Mar 2020 22:36

Tgt Ion:112 Resp: 5399

Ion Ratio Lower Upper

112 100

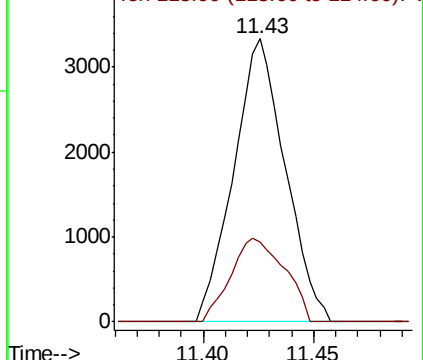
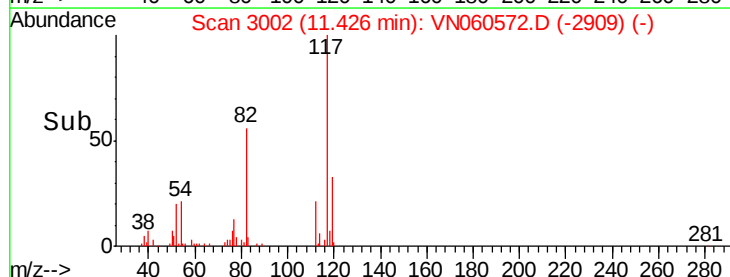
114 28.3 25.8 38.6

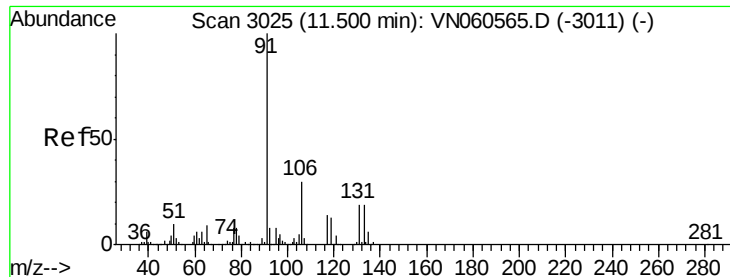


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.716 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

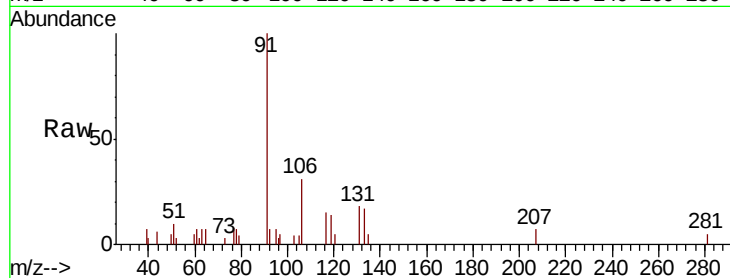
Tot Ion:131 Resp: 1634

Ion Ratio Lower Upper

131 100

133 115.9 48.9 146.8

119 0.0 33.9 101.7#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

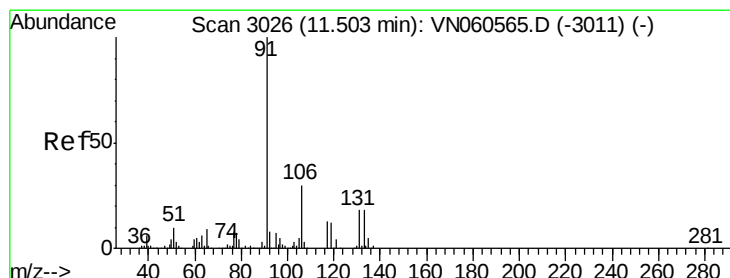
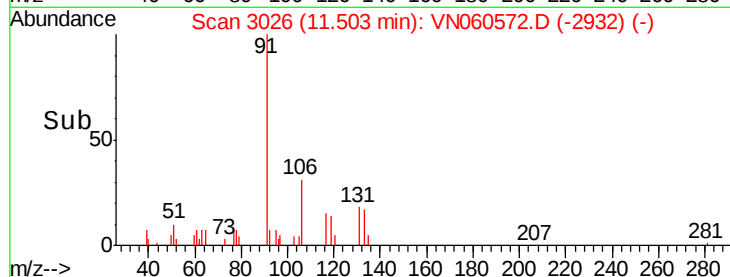
11.50

1000

500

0

Time--> 11.45 11.50 11.55



#67

Ethyl Benzene

Concen: 0.833 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060572.D

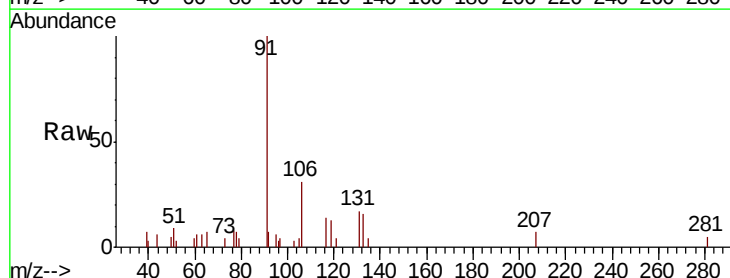
Acq: 17 Mar 2020 22:36

Tgt Ion: 91 Resp: 9755

Ion Ratio Lower Upper

91 100

106 31.4 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.51

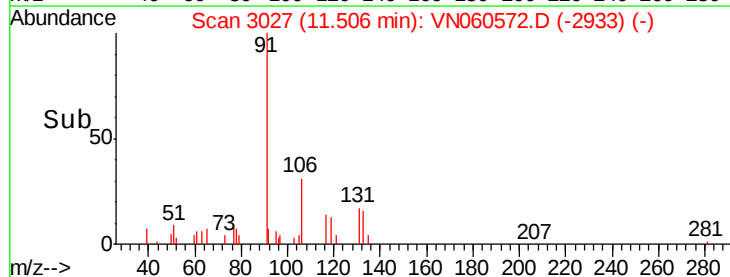
6000

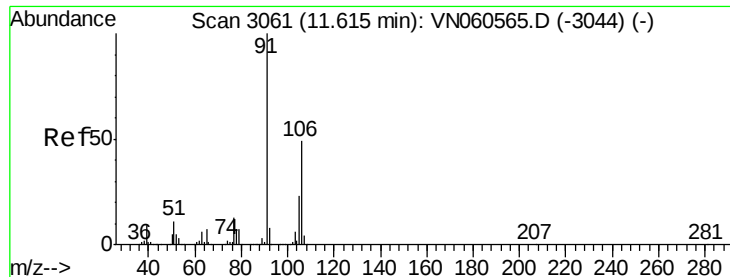
4000

2000

0

Time--> 11.45 11.50 11.55

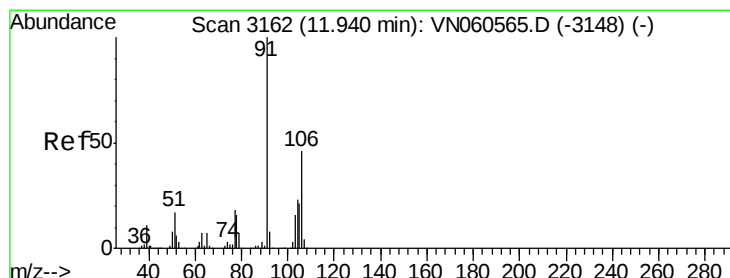
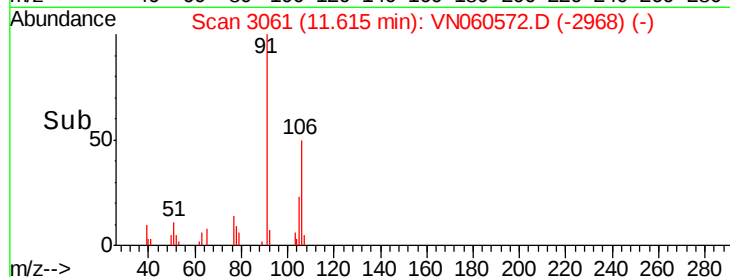
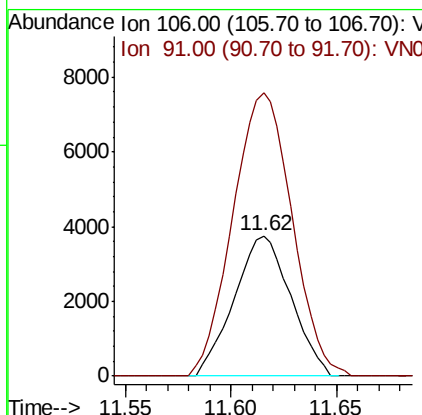
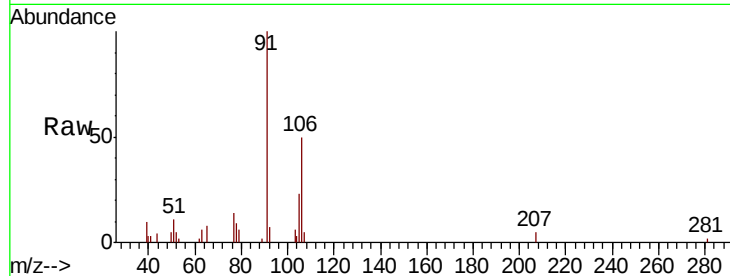




#68
m/p-Xylenes
Concen: 1.610 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

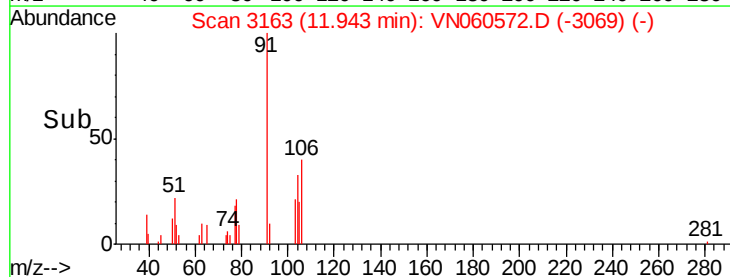
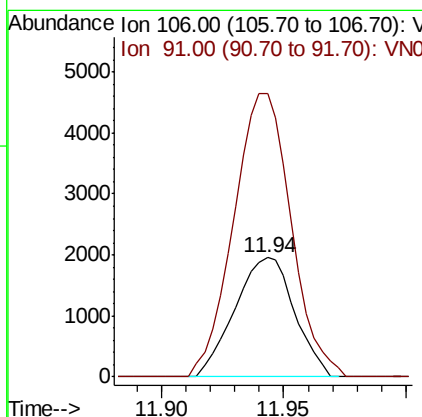
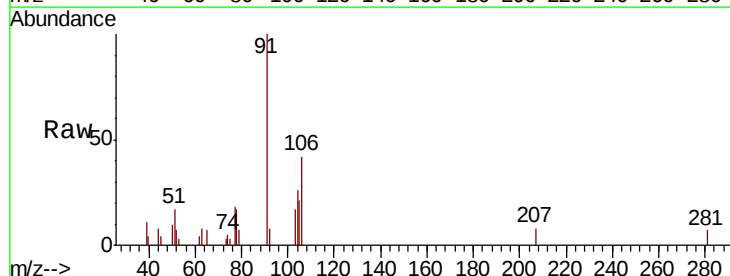
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

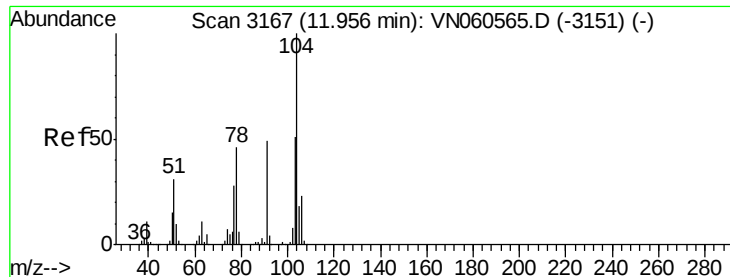
Tot Ion:106 Resp: 7007
Ion Ratio Lower Upper
106 100
91 211.1 165.0 247.4



#69
o-Xylene
Concen: 0.796 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion:106 Resp: 3308
Ion Ratio Lower Upper
106 100
91 229.2 109.5 328.4





#70

Stvrene

Concen: 0.702 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

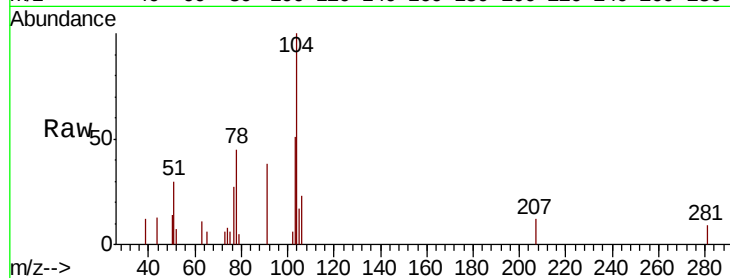
Tot Ion:104 Resp: 4772

Ion Ratio Lower Upper

104 100

78 51.4 41.2 61.8

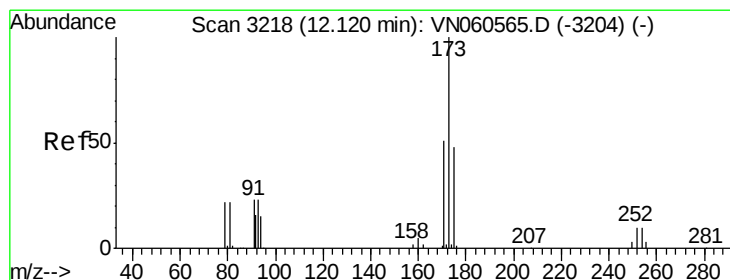
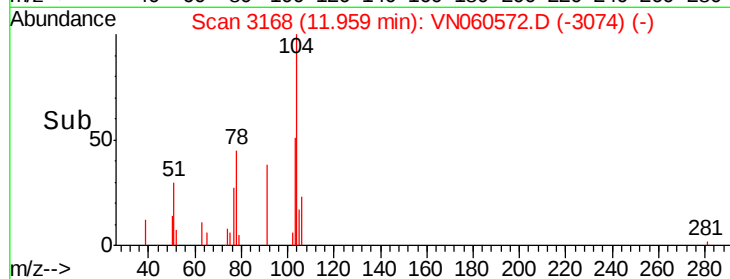
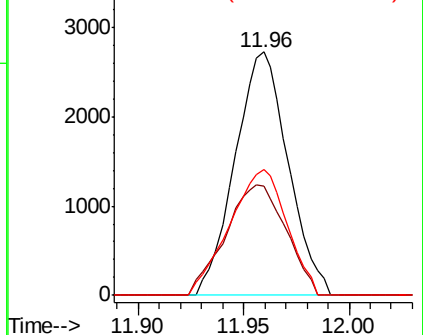
103 55.6 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.714 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

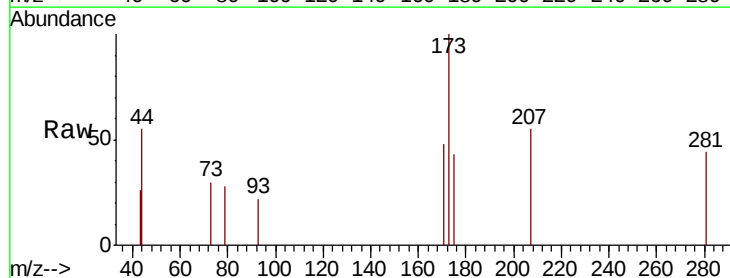
Tgt Ion:173 Resp: 1216

Ion Ratio Lower Upper

173 100

175 34.1 24.1 72.4

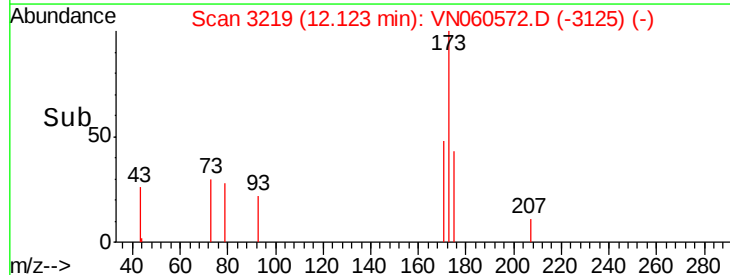
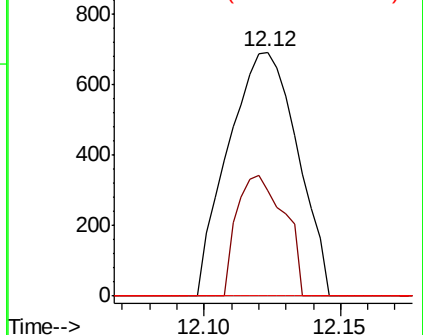
254 0.0 0.0 0.0

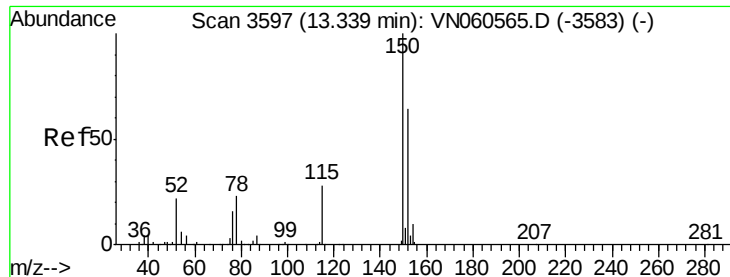


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

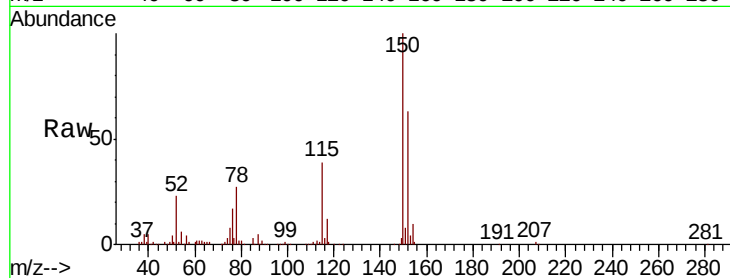
Tot Ion:152 Resp: 135231

Ion Ratio Lower Upper

152 100

115 61.2 30.2 90.6

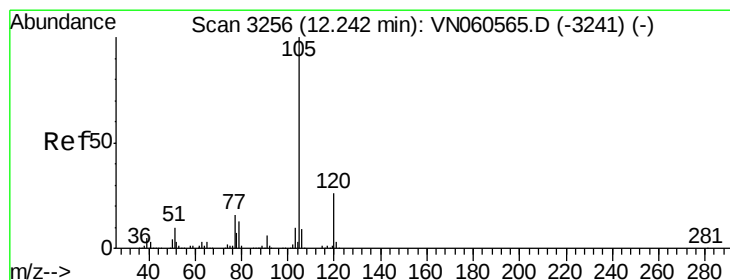
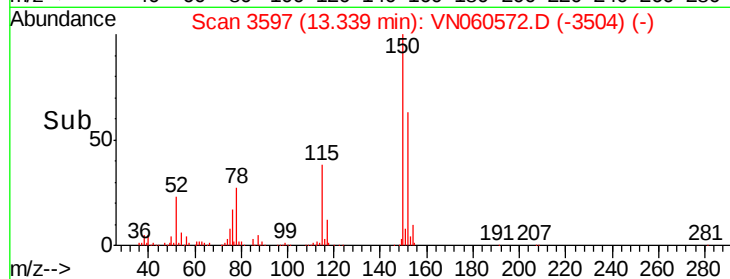
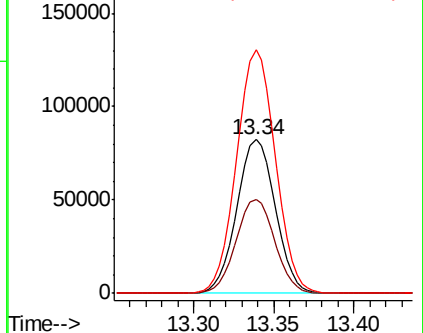
150 159.1 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.862 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060572.D

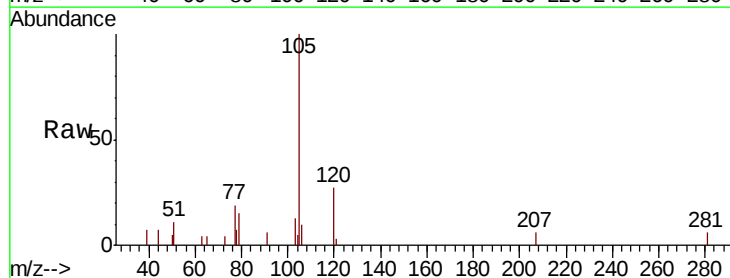
Acq: 17 Mar 2020 22:36

Tgt Ion:105 Resp: 8753

Ion Ratio Lower Upper

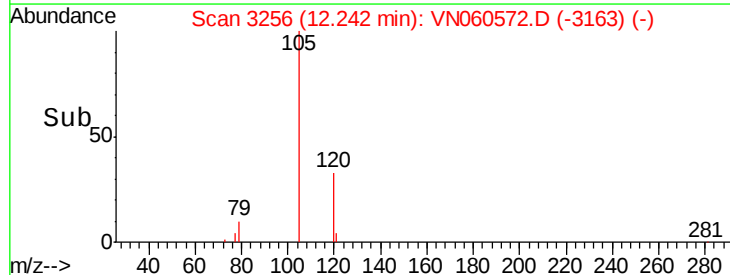
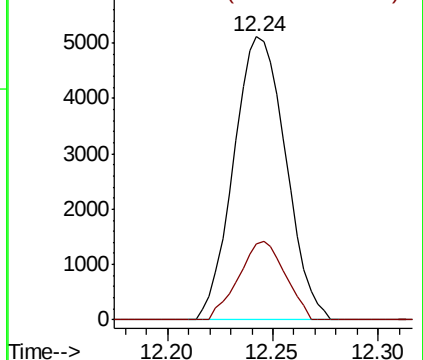
105 100

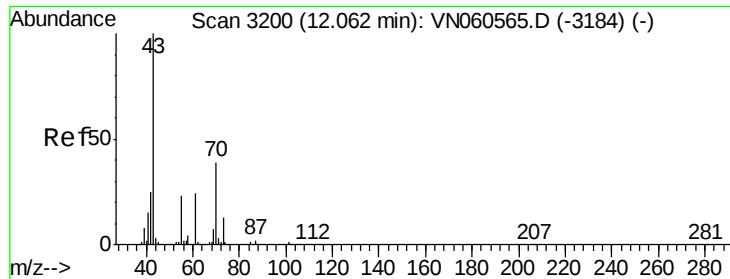
120 24.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

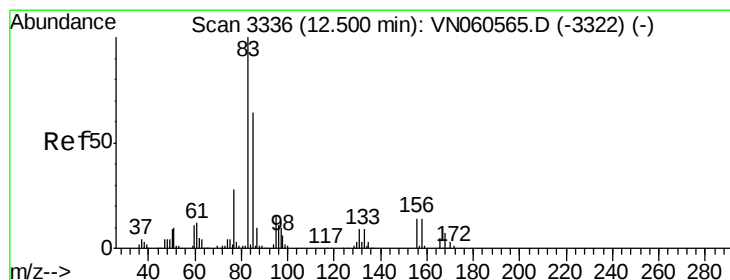
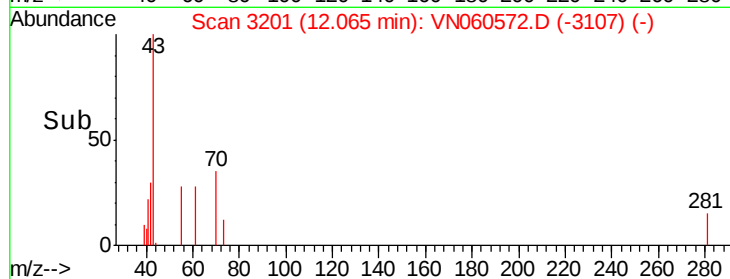
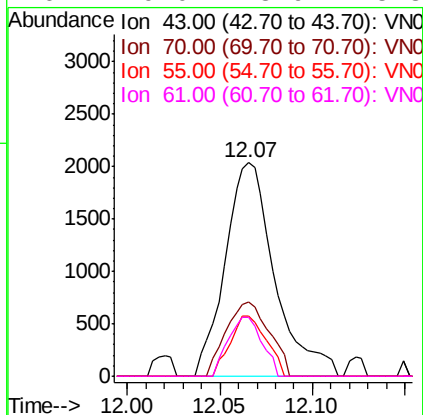
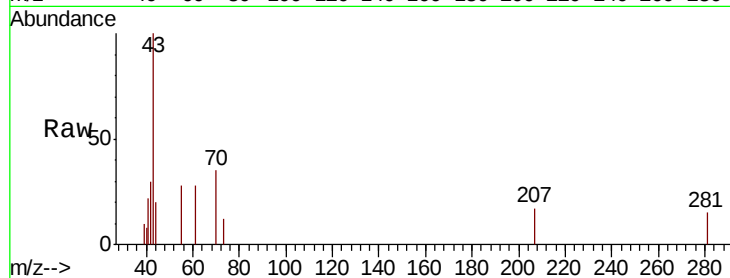




#74
N-amyl acetate
Concen: 0.807 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

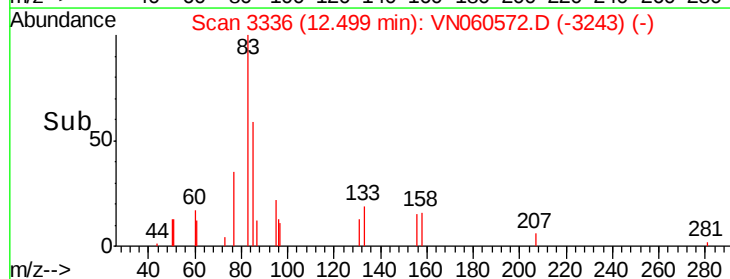
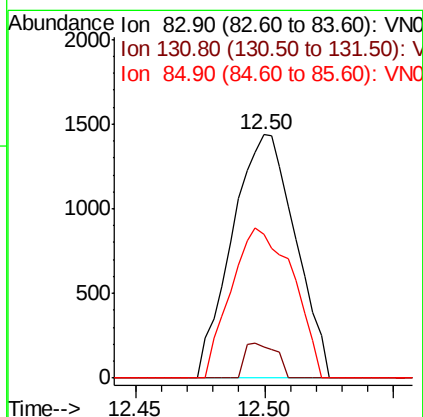
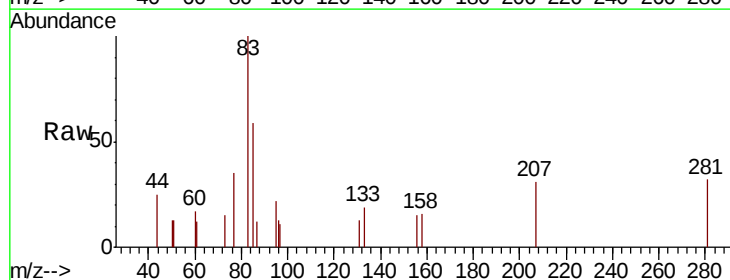
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

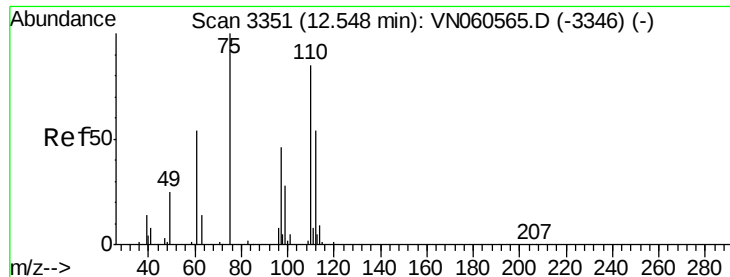
Tot Ion:	43	Resp:	3784
Ion	Ratio	Lower	Upper
43	100		
70	30.4	31.1	46.7#
55	20.5	18.6	27.8
61	19.0	18.9	28.3



#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion:	83	Resp:	2456
Ion	Ratio	Lower	Upper
83	100		
131	7.2	4.9	14.7
85	60.4	32.5	97.4

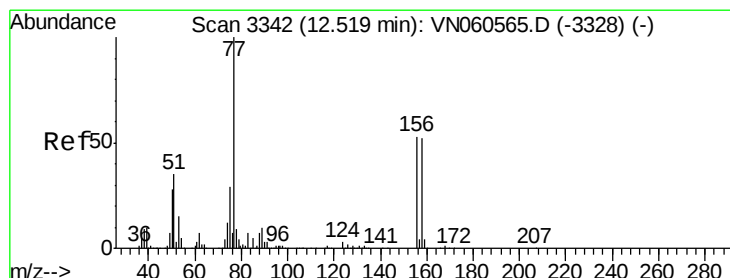
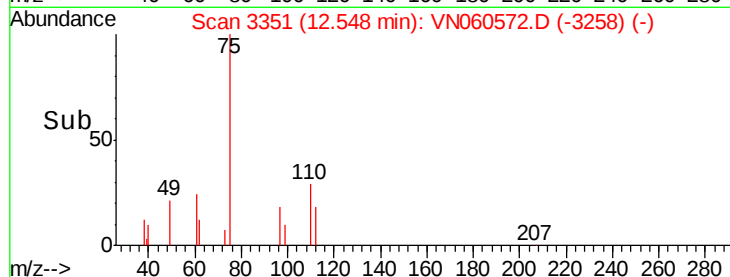
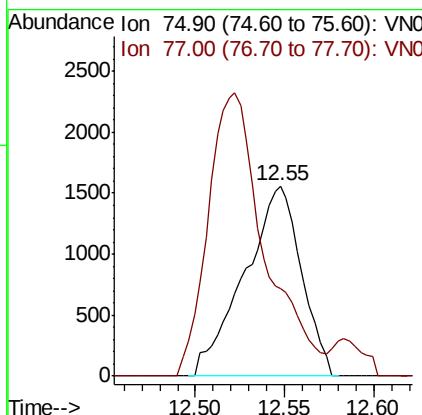
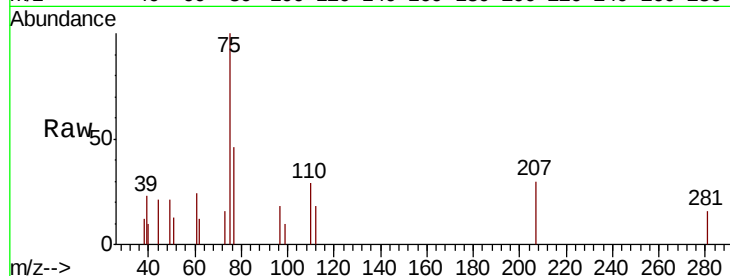




#76
1,2,3-Trichloropropane
Concen: 1.188 ug/l
RT: 12.55 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

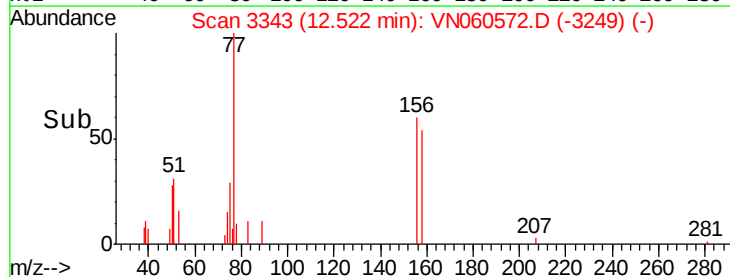
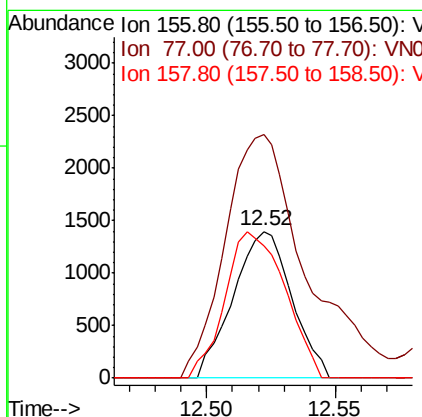
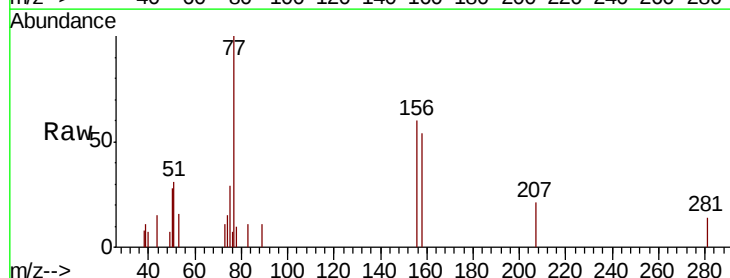
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

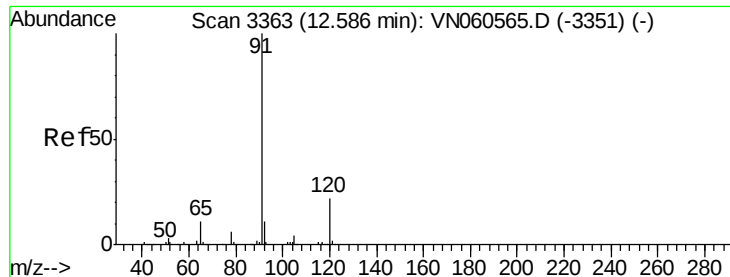
Tot Ion: 75 Resp: 3466
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 0.905 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 156 Resp: 2212
Ion Ratio Lower Upper
156 100
77 231.1 112.3 337.0
158 102.5 48.6 145.8





#78

n-propylbenzene

Concen: 0.841 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

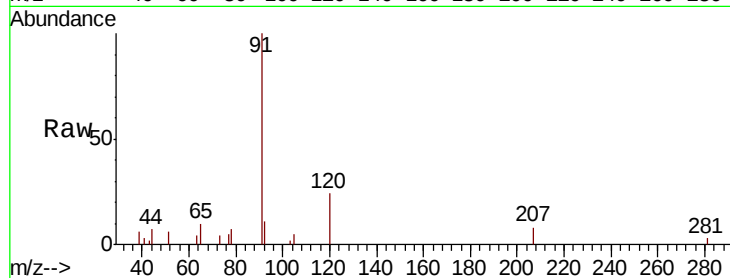
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 10089

Ion Ratio Lower Upper

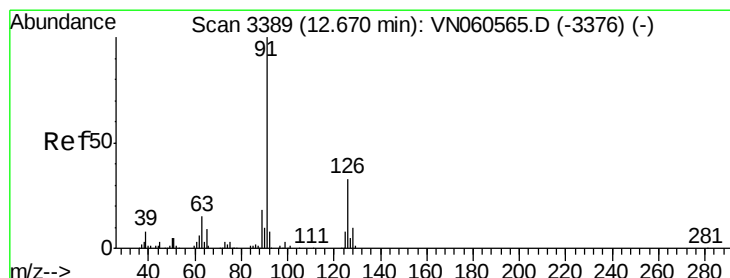
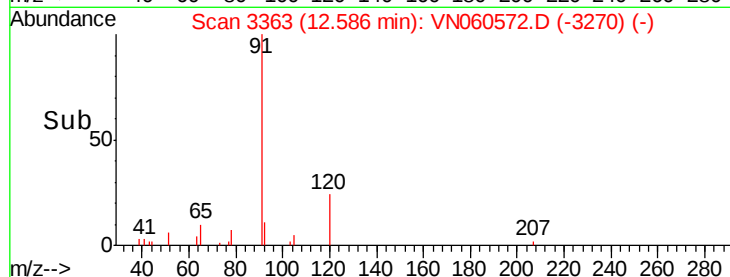
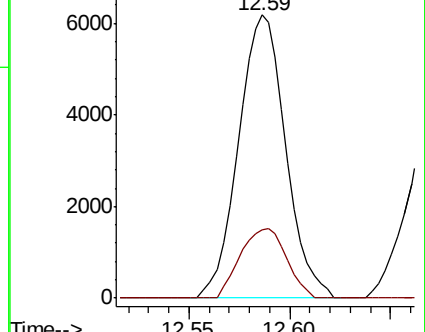
91 100

120 24.1 11.3 33.8



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

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



#79

2-Chlorotoluene

Concen: 0.877 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060572.D

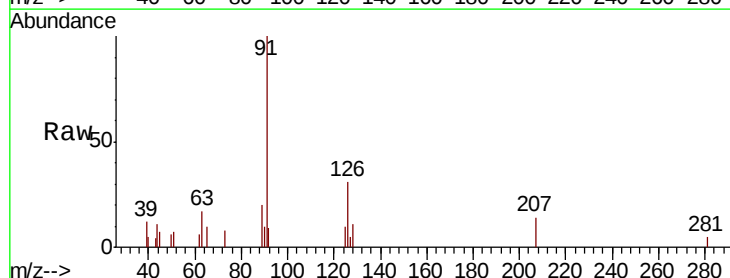
Acq: 17 Mar 2020 22:36

Tgt Ion: 91 Resp: 6285

Ion Ratio Lower Upper

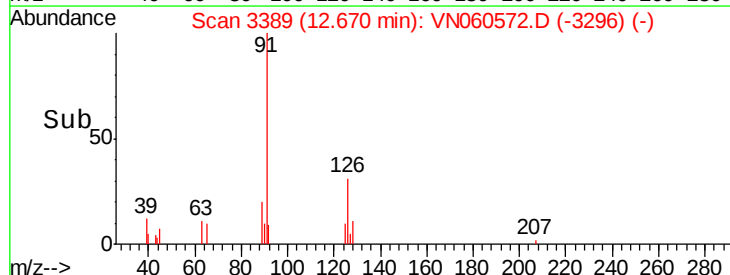
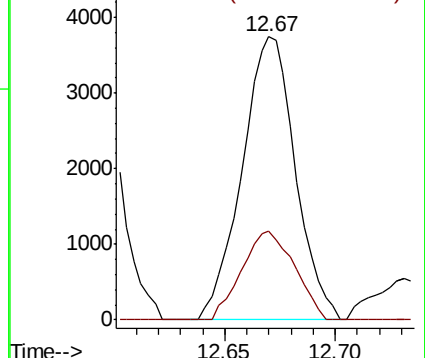
91 100

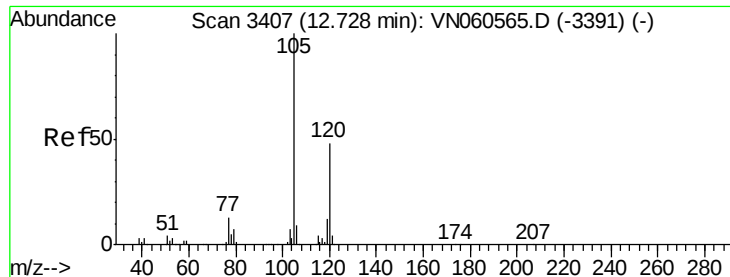
126 31.1 16.4 49.1



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

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





#80

1,3,5-Trimethylbenzene

Concen: 0.838 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

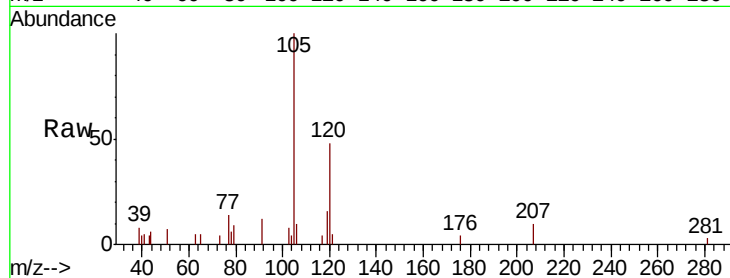
LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 7217

Ion Ratio Lower Upper

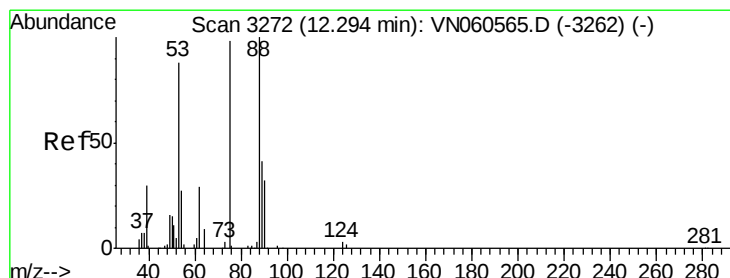
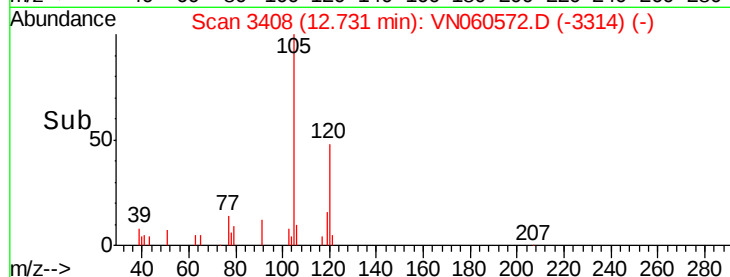
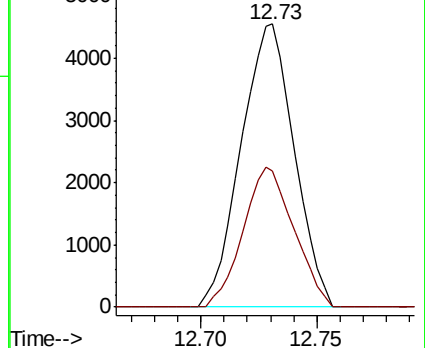
105 100

120 47.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 62.889 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

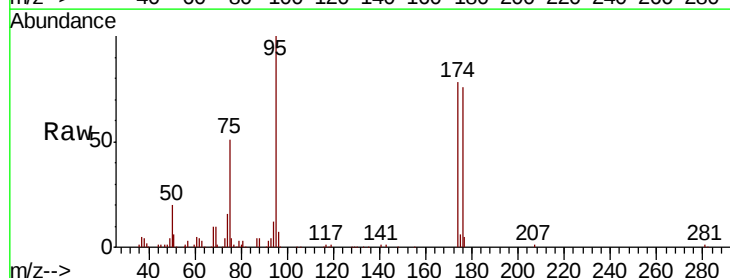
Tgt Ion: 75 Resp: 71452

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

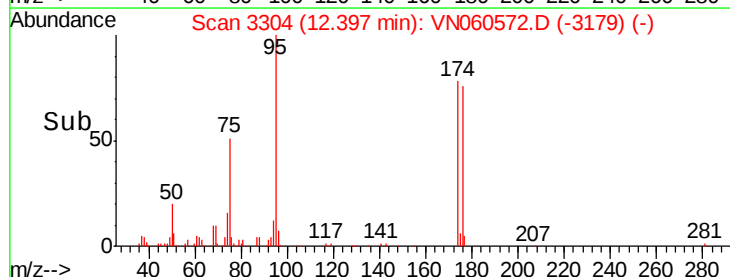
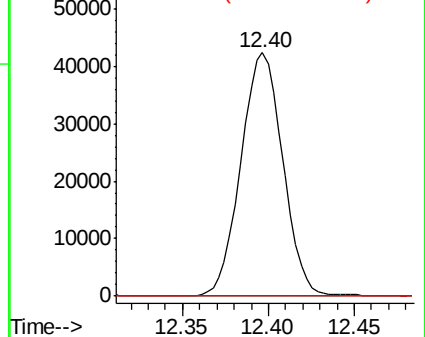
89 0.0 34.8 52.2#

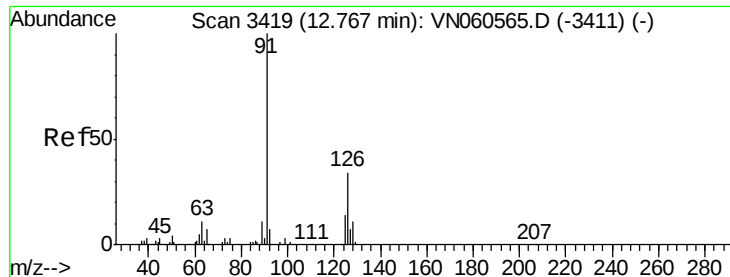


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

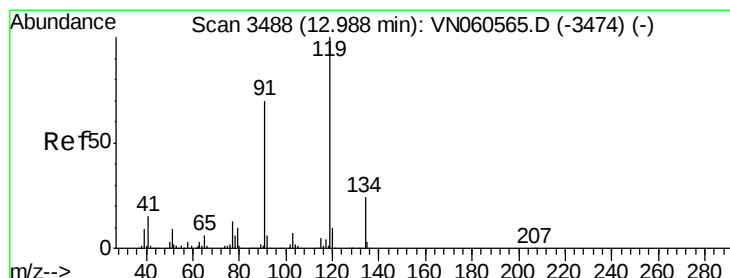
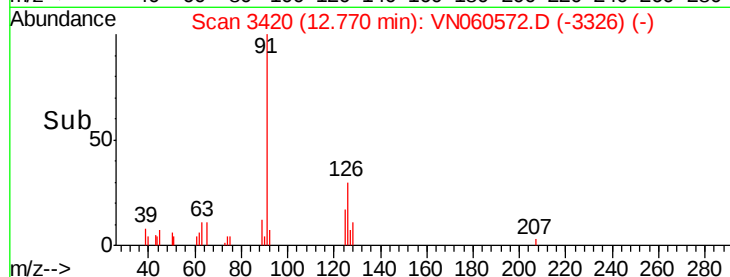
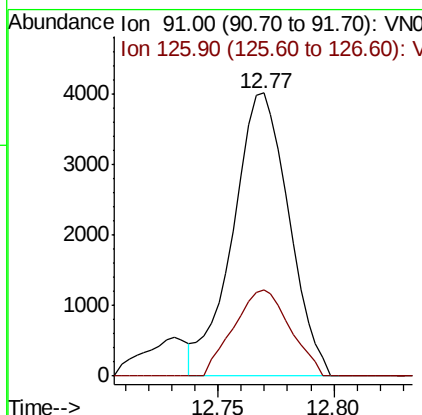
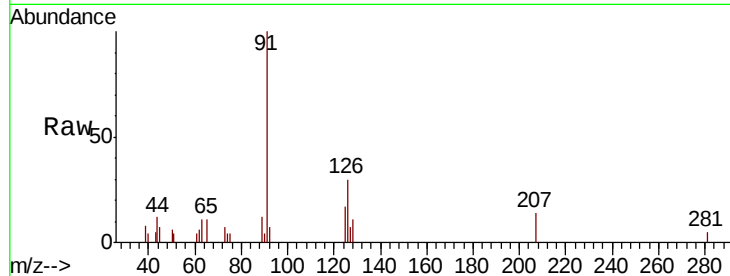




#82
4-Chlorotoluene
Concen: 0.921 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

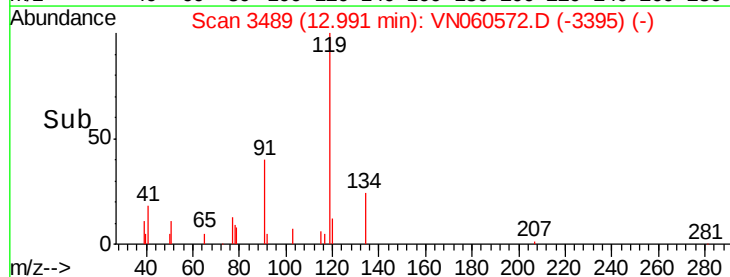
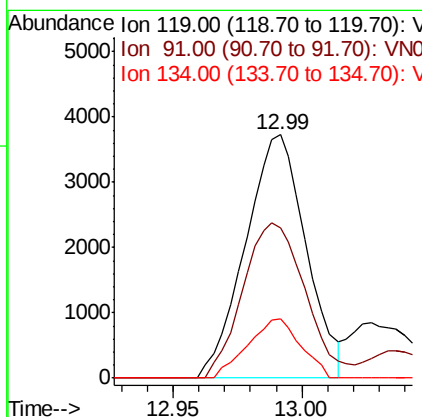
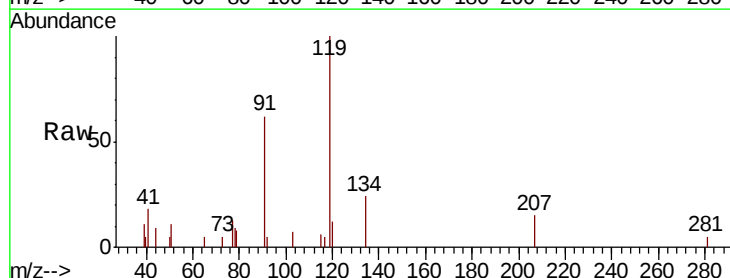
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

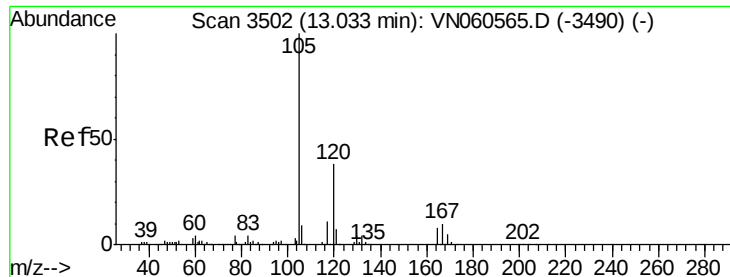
Tot Ion: 91 Resp: 6722
Ion Ratio Lower Upper
91 100
126 30.6 16.2 48.5



#83
tert-Butylbenzene
Concen: 0.856 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 119 Resp: 6111
Ion Ratio Lower Upper
119 100
91 66.2 34.0 101.8
134 21.3 12.7 38.0

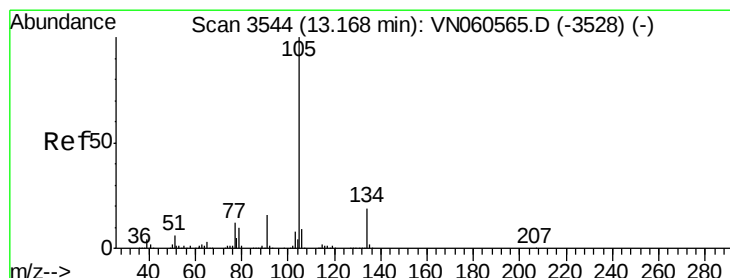
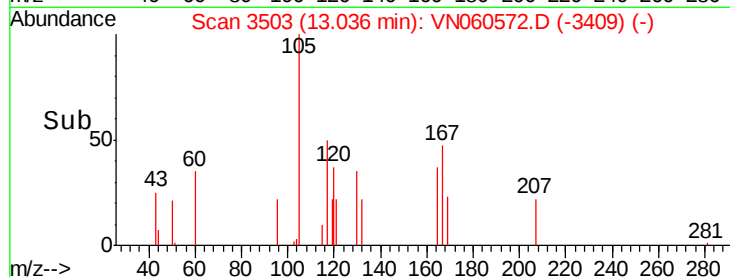
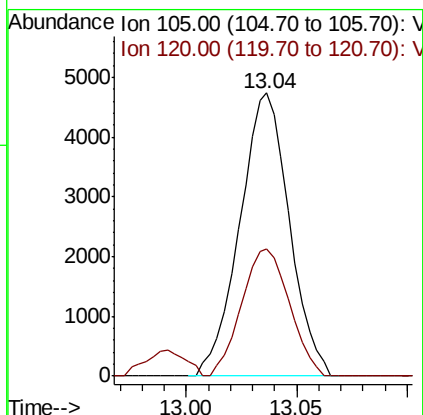
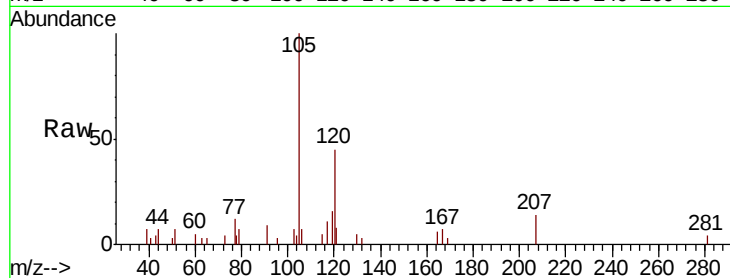




#84
 1,2,4-Trimethylbenzene
 Concen: 0.870 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

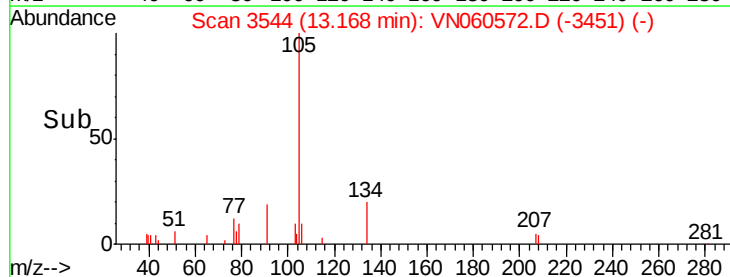
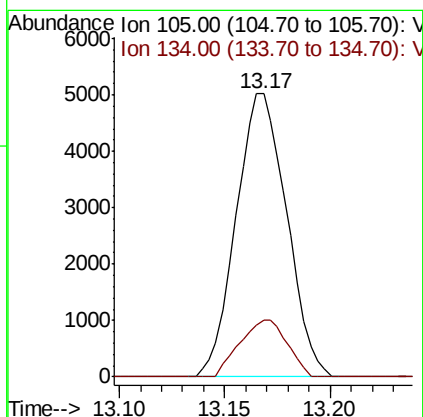
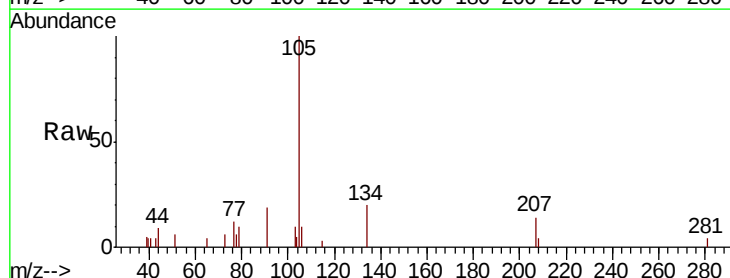
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

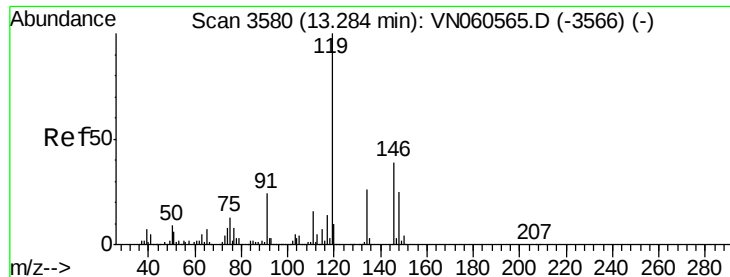
Tot Ion:105 Resp: 7413
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 0.869 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion:105 Resp: 8345
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.8

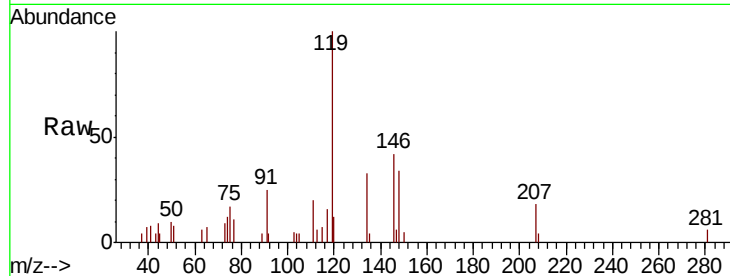




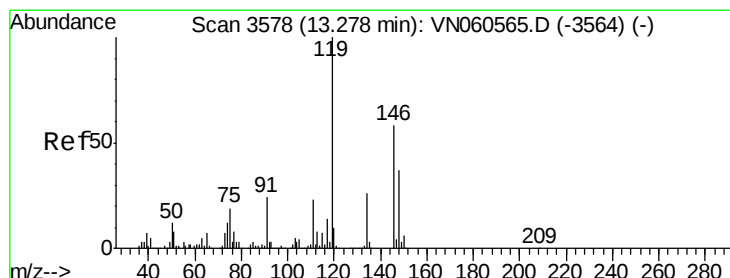
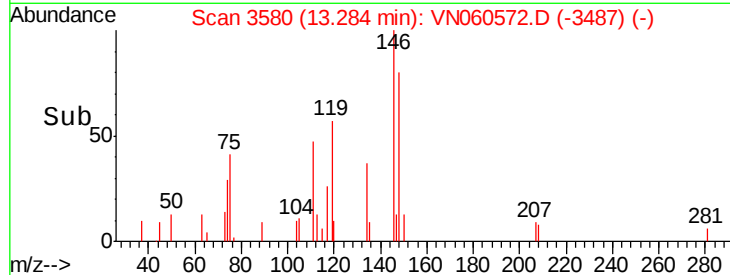
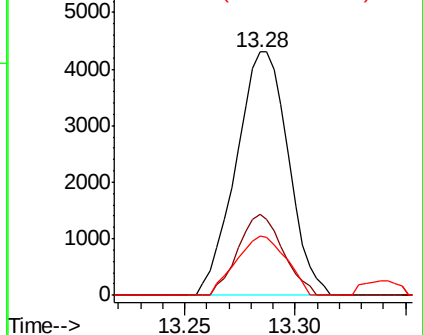
#86
p-Isopropyltoluene
Concen: 0.818 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion:119	Resp:	7060
Ion Ratio	Lower	Upper
119	100	
134	28.8	13.0 39.0
91	23.2	12.0 36.0

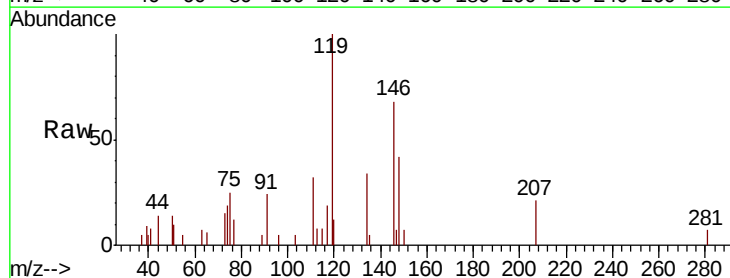


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

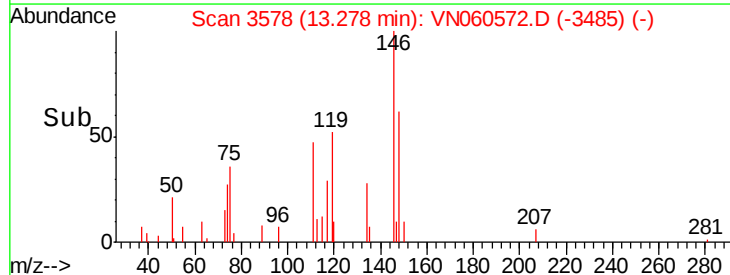
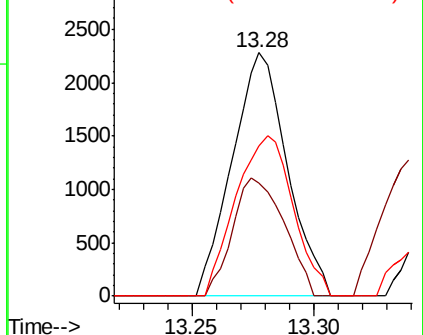


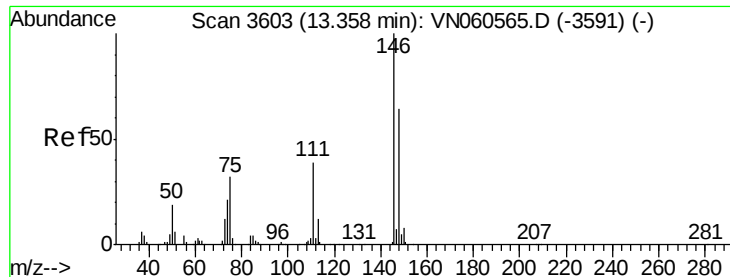
#87
1,3-Dichlorobenzene
Concen: 0.829 ug/l
RT: 13.28 min Scan# 3578
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion:146	Resp:	3574
Ion Ratio	Lower	Upper
146	100	
111	45.7	20.3 60.8
148	68.6	32.5 97.4



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

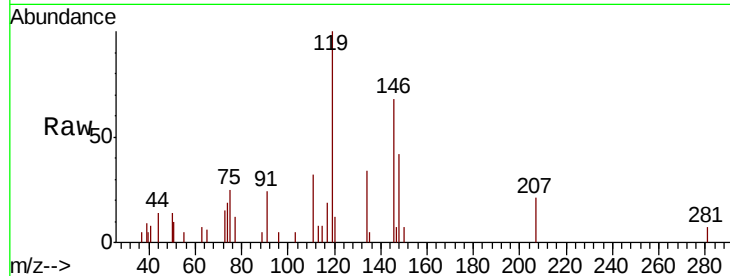




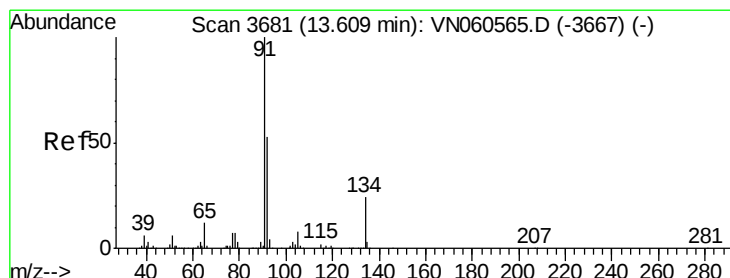
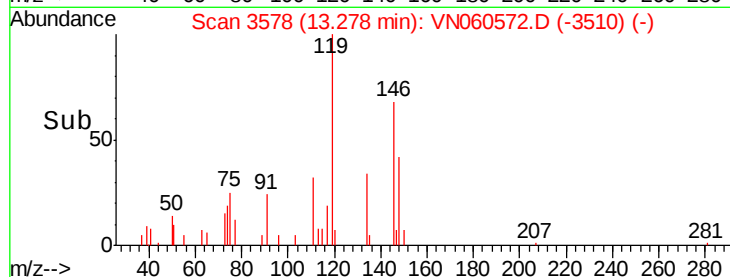
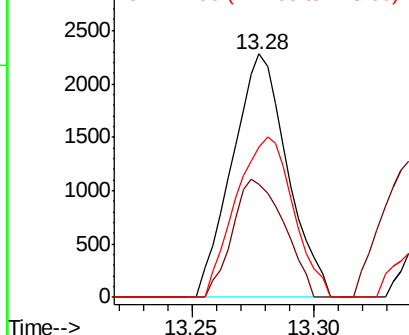
#88
 1,4-Dichlorobenzene
 Concen: 0.825 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion:146 Resp: 3574
 Ion Ratio Lower Upper
 146 100
 111 45.7 19.6 58.7
 148 68.6 32.1 96.3

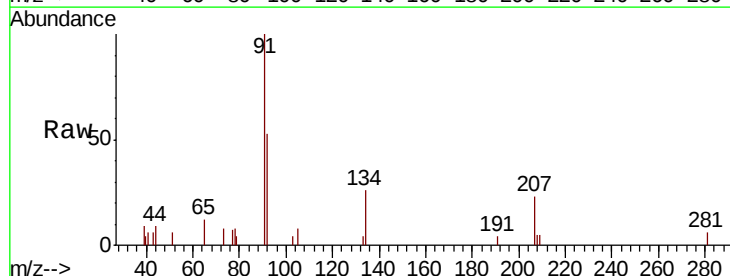


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

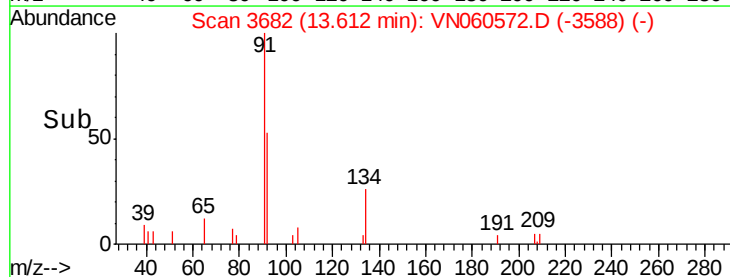
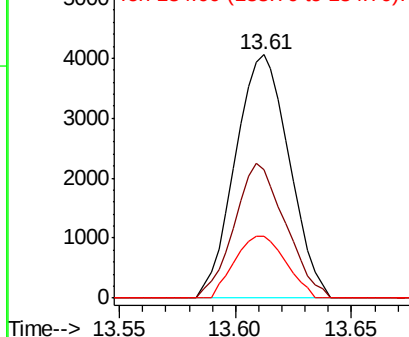


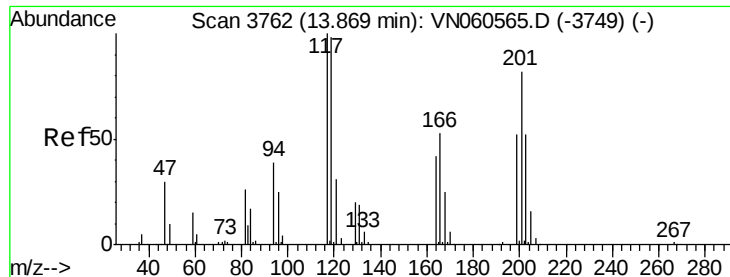
#89
 n-Butylbenzene
 Concen: 0.841 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion: 91 Resp: 6556
 Ion Ratio Lower Upper
 91 100
 92 52.5 26.2 78.5
 134 24.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 92.00 (91.70 to 92.70): VN0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.667 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

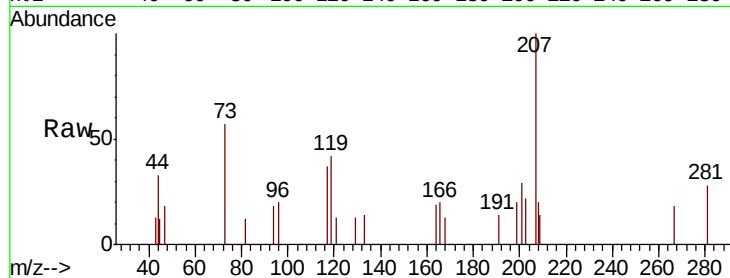
LOD-MDL-WATER-01-QT1-2020

Tot Ion:117 Resp: 837

Ion Ratio Lower Upper

117 100

201 69.5 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.87

600

500

400

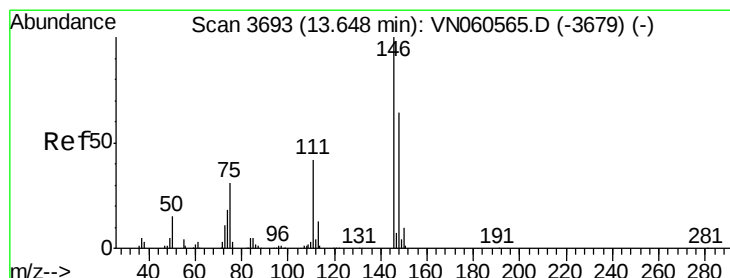
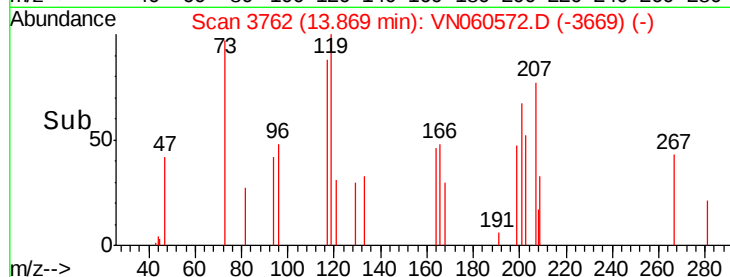
300

200

100

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.896 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

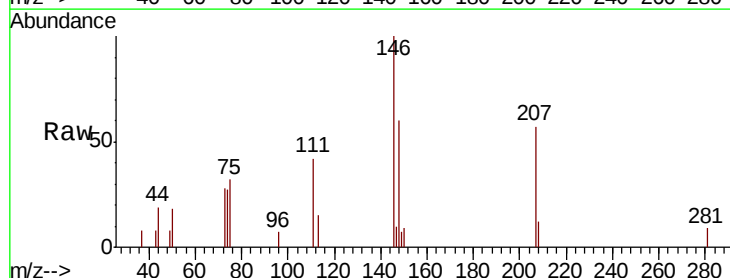
Tgt Ion:146 Resp: 3696

Ion Ratio Lower Upper

146 100

111 44.2 21.0 63.0

148 59.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

3000

2500

2000

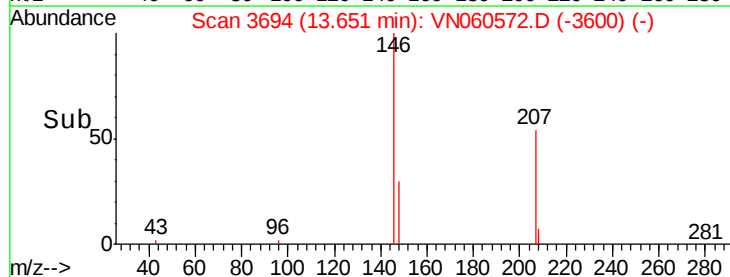
1500

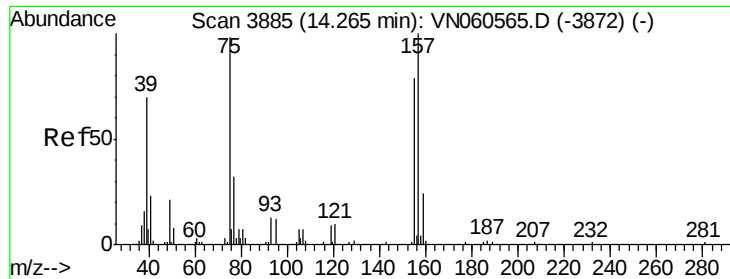
1000

500

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.875 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

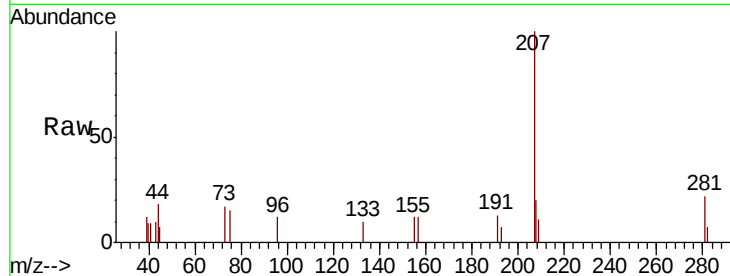
Tot Ion: 75 Resp: 603

Ion Ratio Lower Upper

75 100

155 45.3 40.7 122.1

157 60.9 51.5 154.7

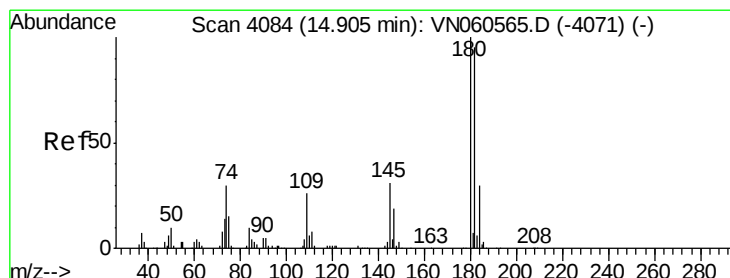
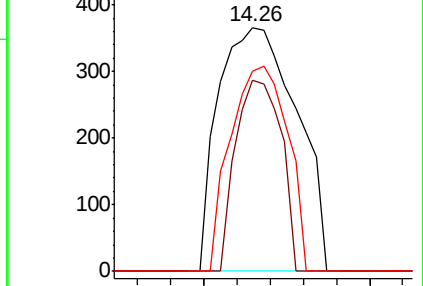
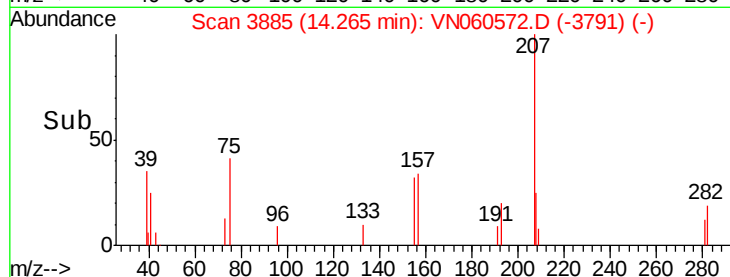


Abundance Ion 74.90 (74.60 to 75.60): VN060572.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060572.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060572.D (-3791) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.794 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

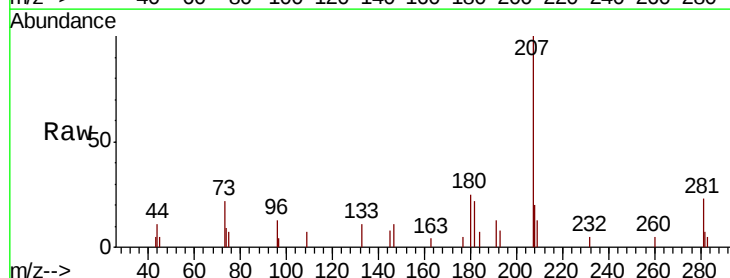
Tgt Ion: 180 Resp: 2012

Ion Ratio Lower Upper

180 100

182 91.2 47.9 143.8

145 30.4 15.4 46.2

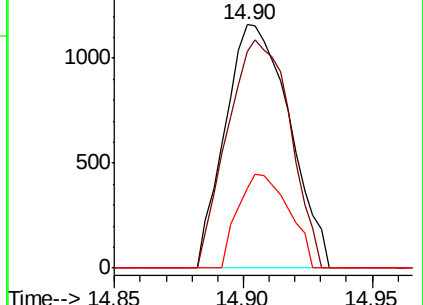
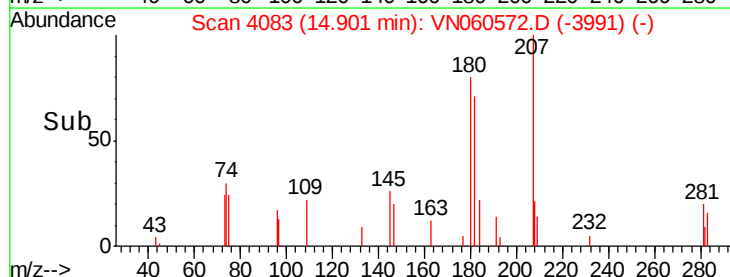


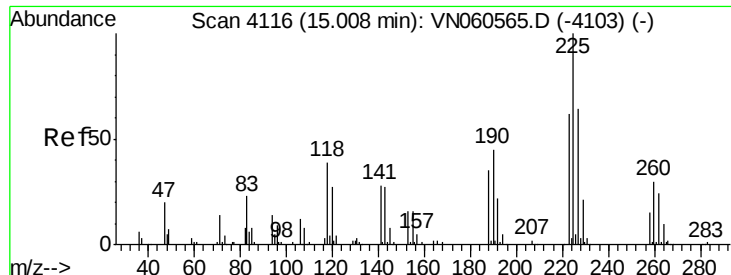
Abundance Ion 179.80 (179.50 to 180.50): VN060572.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN060572.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060572.D (-3991) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.887 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

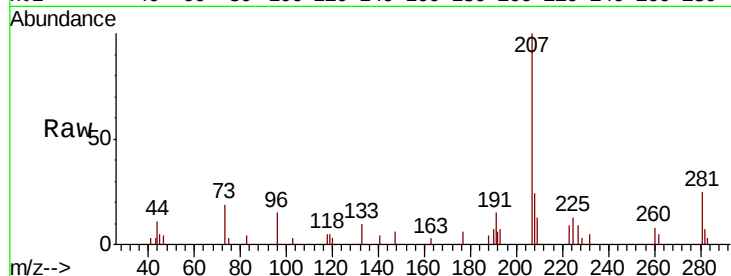
Tot Ion:225 Resp: 1101

Ion Ratio Lower Upper

225 100

223 71.9 31.6 95.0

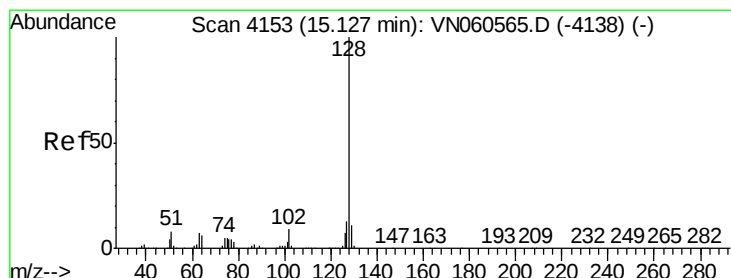
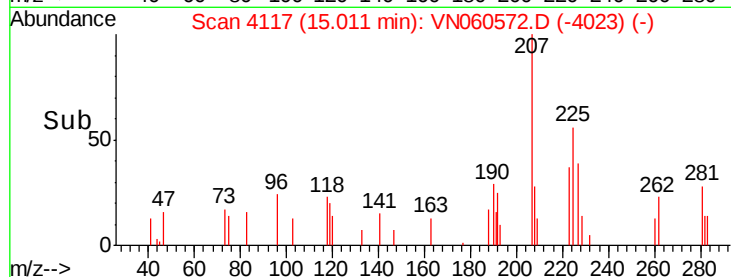
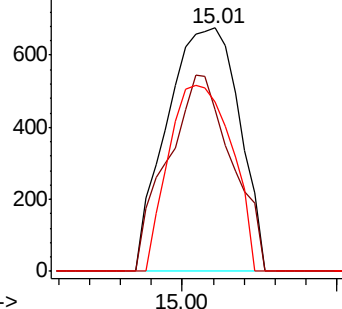
227 66.7 32.3 96.8



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: 0.749 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

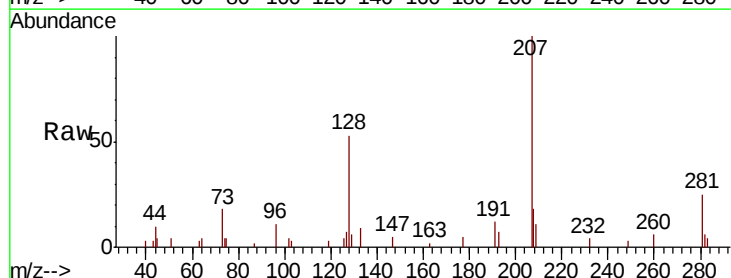
Tgt Ion:128 Resp: 5708

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.2

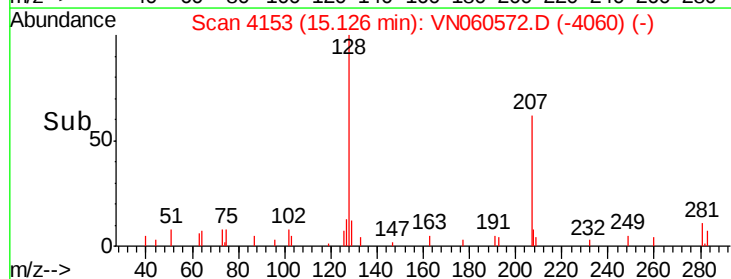
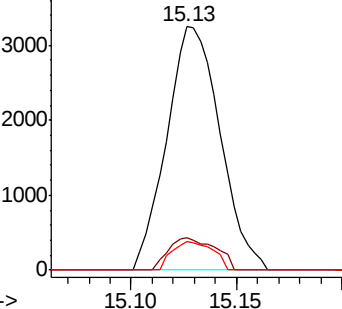
129 8.9 8.8 13.2

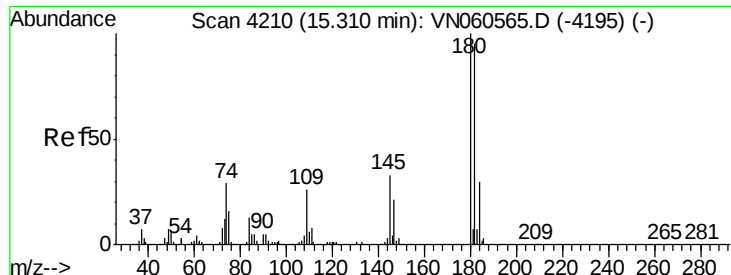


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.814 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.5	142.6
145	30.9	16.3	48.8

