

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

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:19 PM

Quant Time: Mar 18 09:17:42 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

33) 1,2-Dichloroethane-d4	8.00	65	140868	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.56	113	102916	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.08	98	410889	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	140260	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	

Target Compounds

						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	1644m	3.905	ug/l	
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	2036m	0.846	ug/l	
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
28) Bromochloromethane	7.17	49	1443m	0.660	ug/l	
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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	3455	0.835	ug/l	93
40) Benzene	8.02	78	8755	0.833	ug/l	97
41) Methacrylonitrile	7.15	41	1107m	0.689	ug/l	
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) Styrene	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	2423m	0.830	ug/l	
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	12.29	75	766m	0.674	ug/l	
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	13.36	146	4181m	0.965	ug/l	
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

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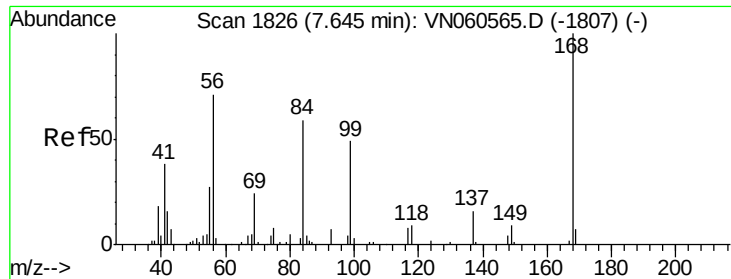
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2012	0.794	ug/l	96
94) Hexachlorobutadiene	15.01	225	1101	0.887	ug/l	93
95) Naphthalene	15.13	128	5708	0.749	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	2030	0.814	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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MSVOA_N

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LOD-MDL-WATER-01-QT1-2020

Tot Ion:168 Resp: 208508

Ion Ratio Lower Upper

168 100

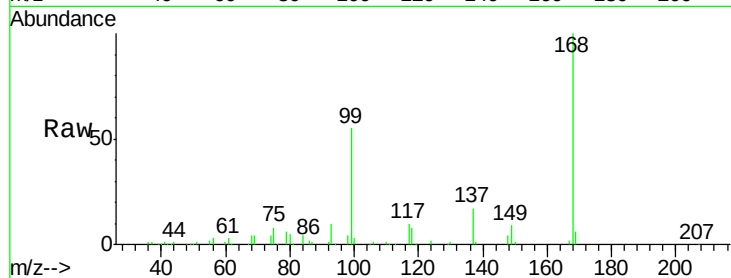
99 55.2 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

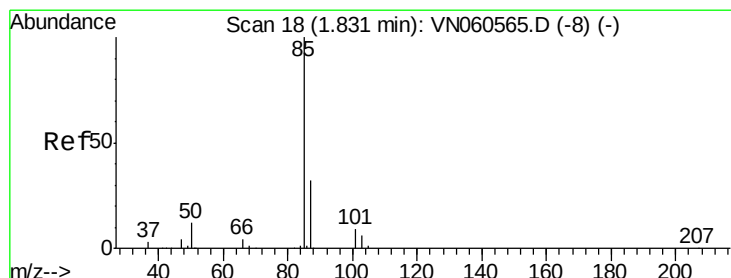
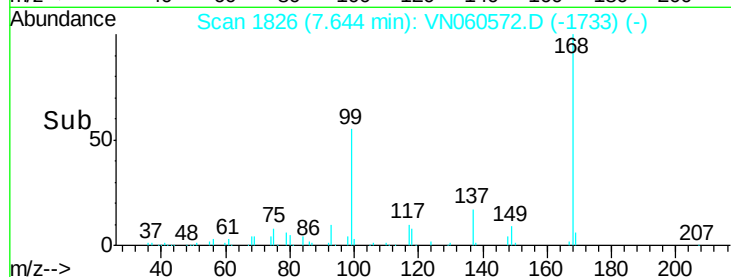
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.782 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060572.D

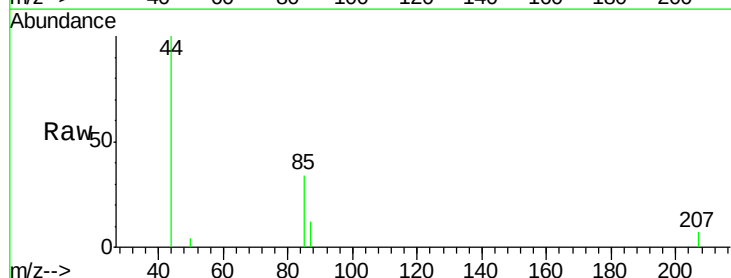
Acq: 17 Mar 2020 22:36

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): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1500

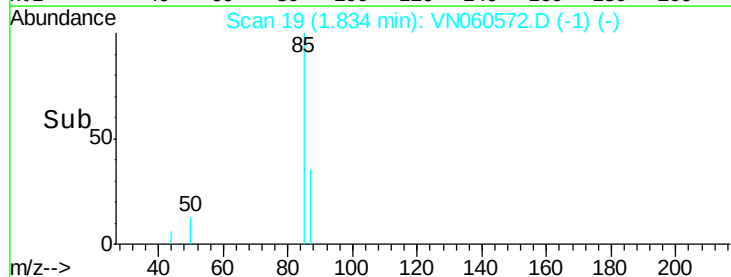
1000

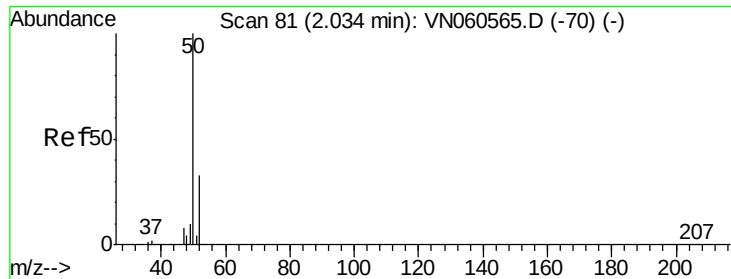
500

0

1.80 1.82 1.84 1.86

Time-->





#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

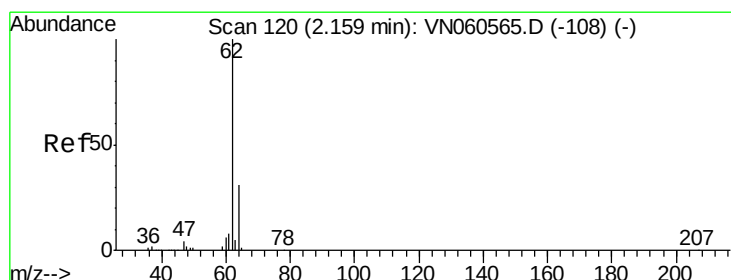
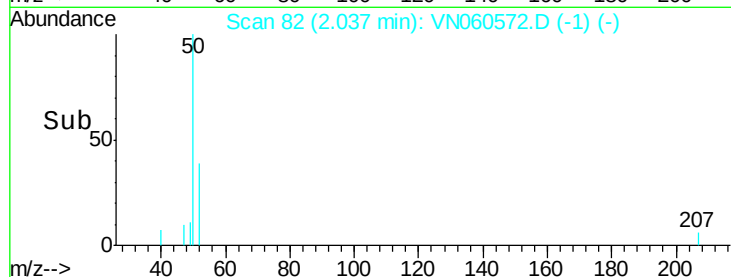
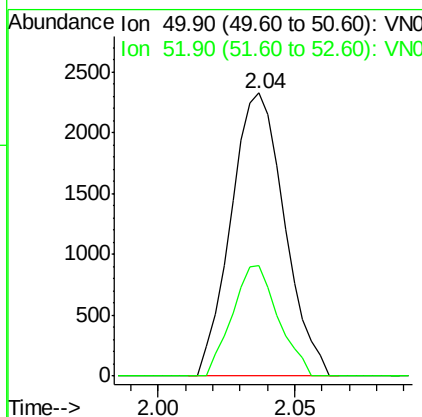
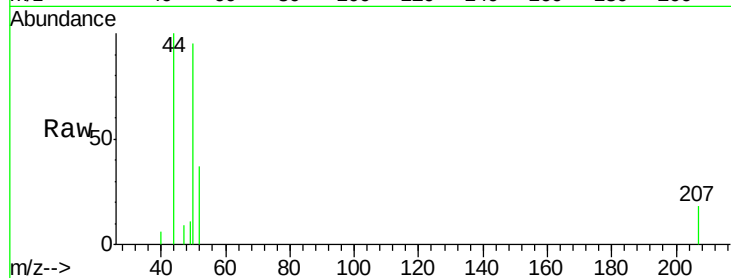
52 39.3 26.2 39.2#

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.855 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060572.D

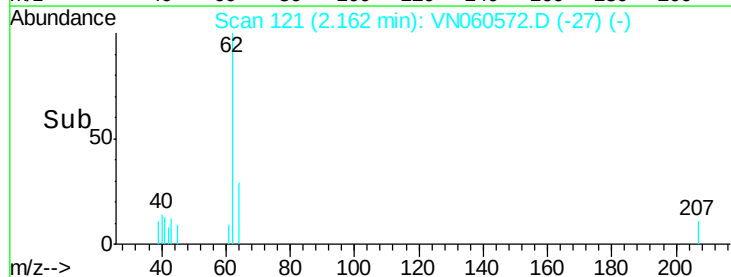
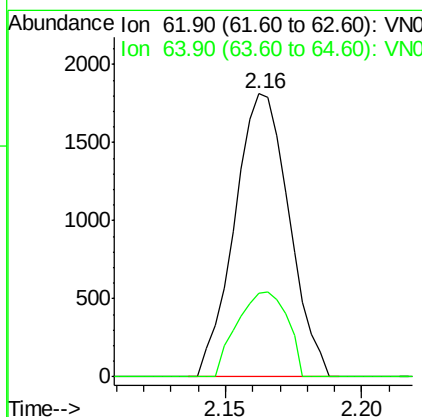
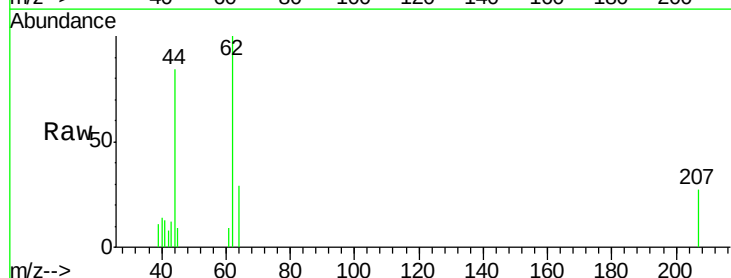
Acq: 17 Mar 2020 22:36

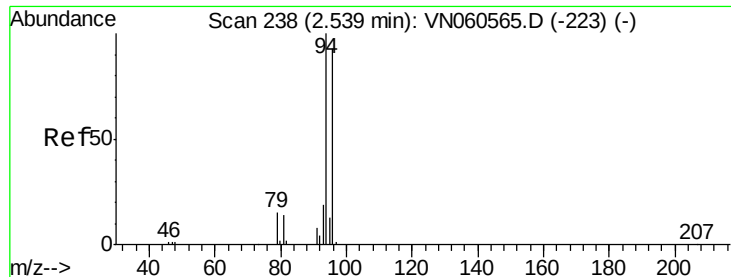
Tgt Ion: 62 Resp: 2519

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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Tot Ion: 94 Resp: 1197

Ion Ratio Lower Upper

94 100

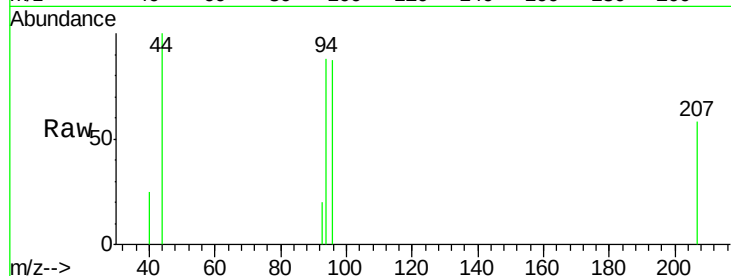
96 99.5 74.6 112.0

Manual Integrations

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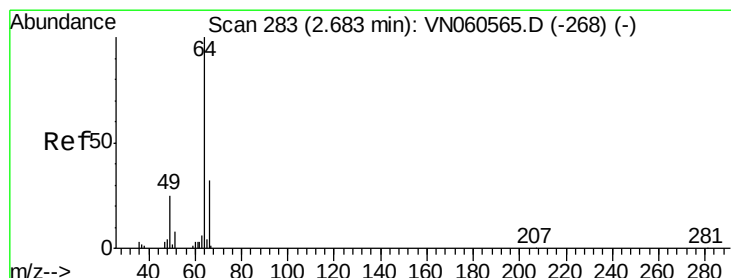
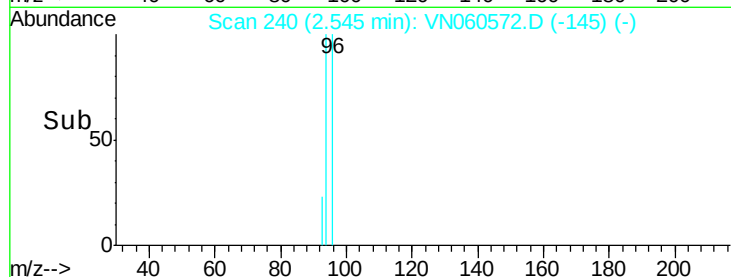
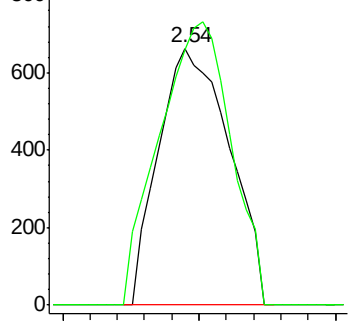
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.755 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060572.D

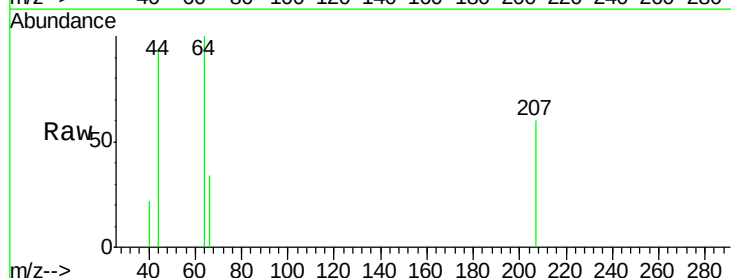
Acq: 17 Mar 2020 22:36

Tgt Ion: 64 Resp: 1282

Ion Ratio Lower Upper

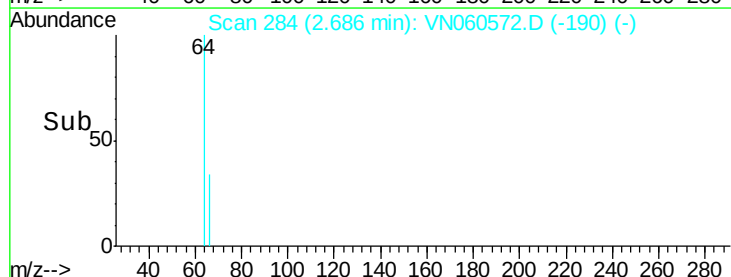
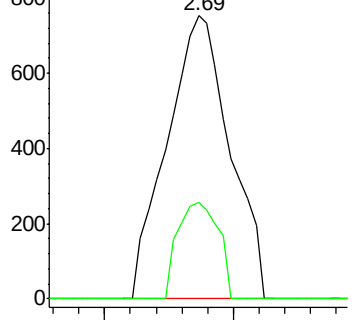
64 100

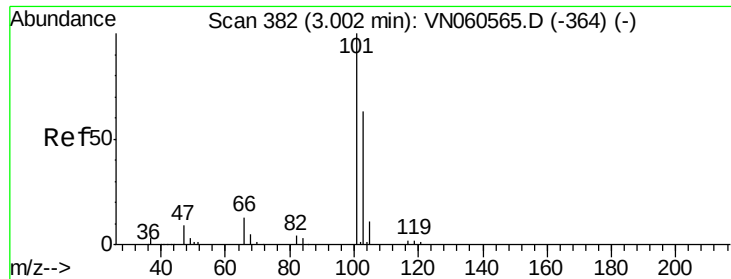
66 34.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

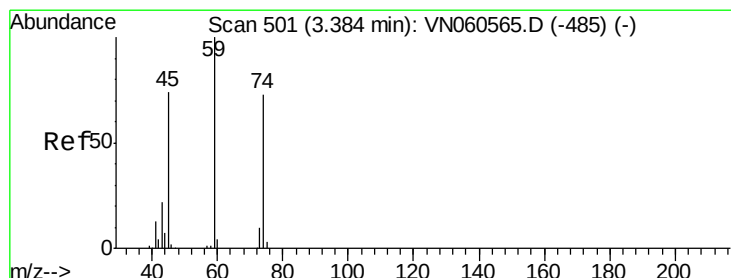
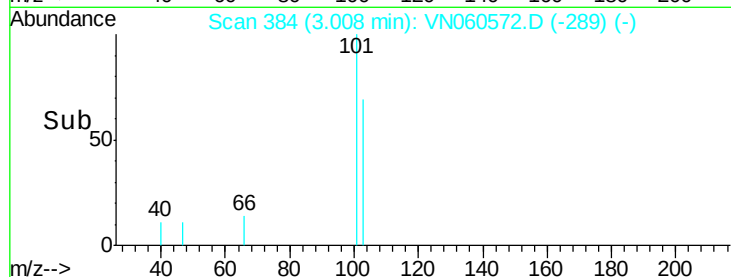
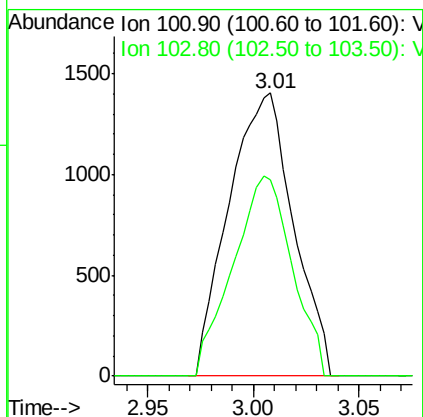
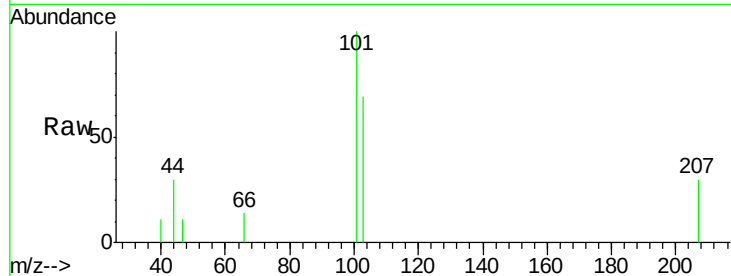
Trichlorofluoromethane
Concen: 0.823 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.01 min
Lab File: VN060572.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.2	50.6	76.0

Manual Integrations
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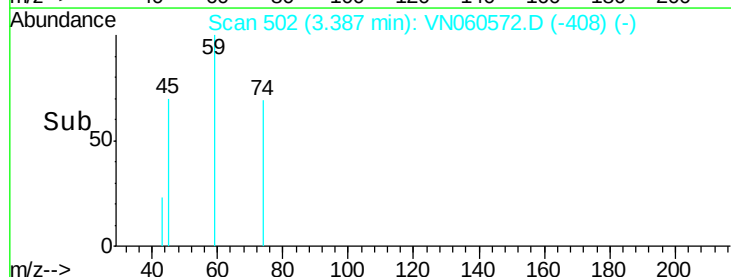
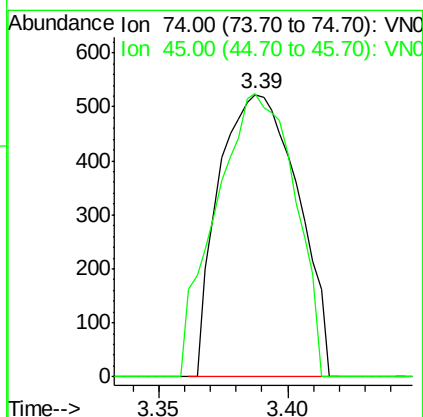
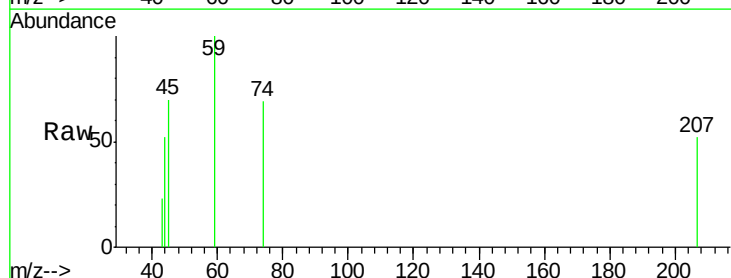
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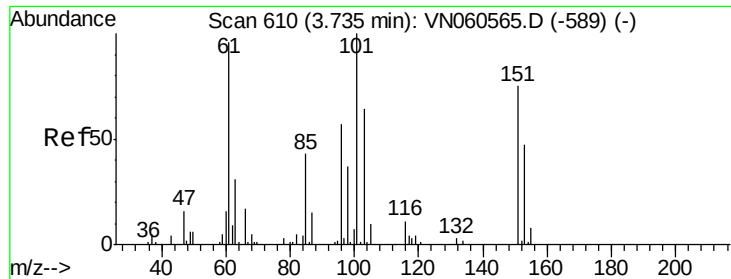


#8

Diethyl Ether
Concen: 0.764 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	51.3	153.9





#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

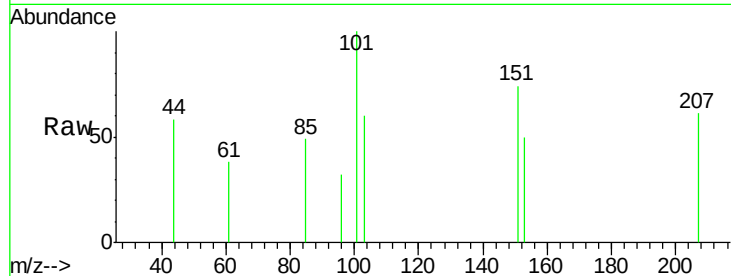
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

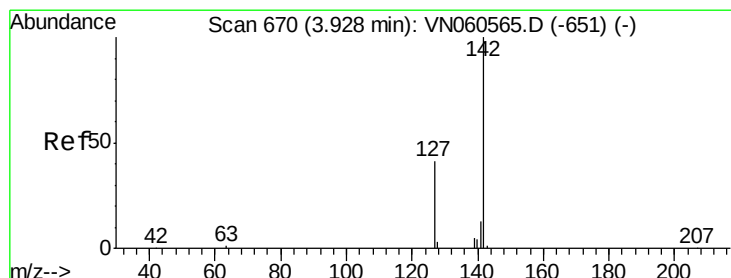
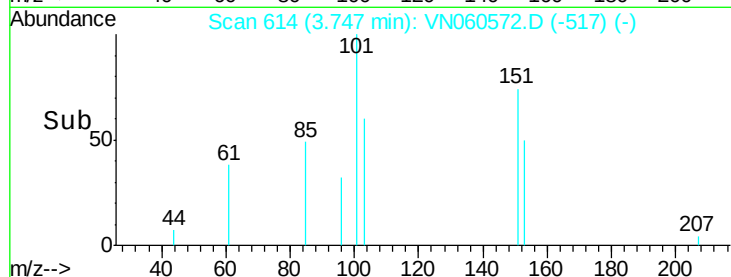
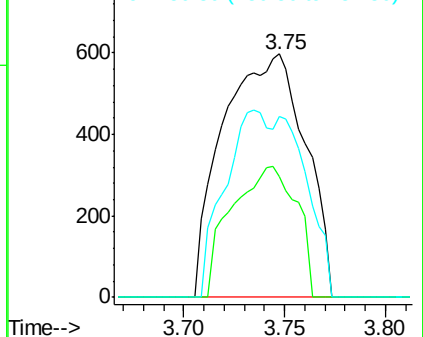
Tot Ion:	101	Resp:	1685
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.6	53.4
151	44.5	61.4	92.2#

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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

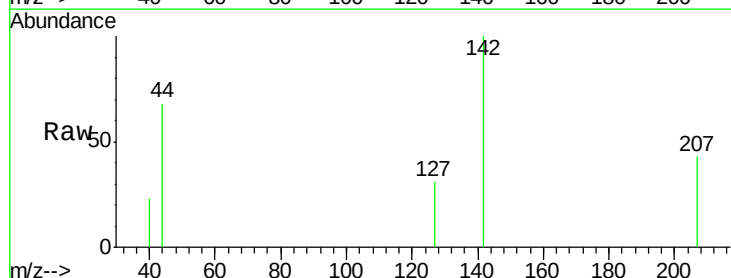
RT: 3.94 min Scan# 673

Delta R.T. 0.01 min

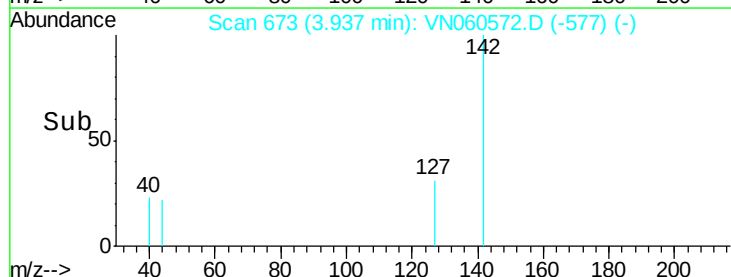
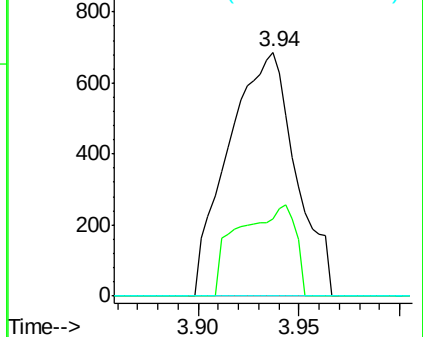
Lab File: VN060572.D

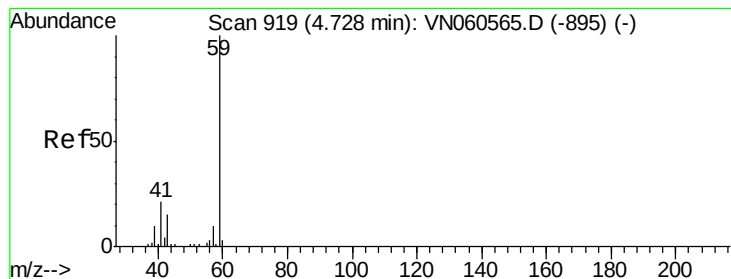
Acq: 17 Mar 2020 22:36

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: 3.905 ug/l m

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: 1644

Ion Ratio Lower Upper

59 100

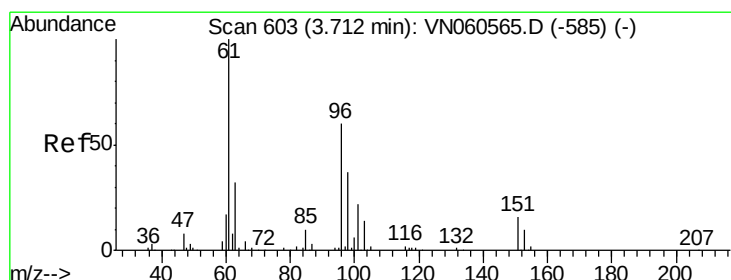
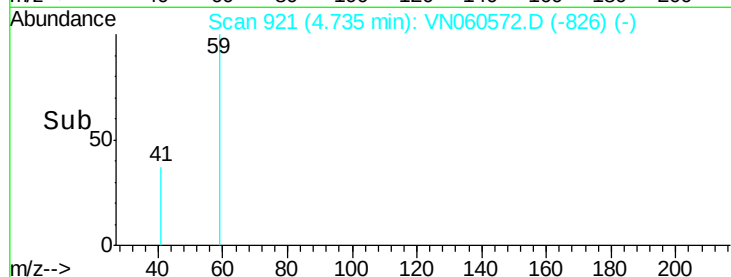
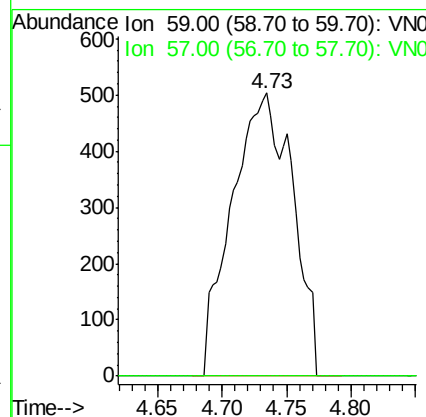
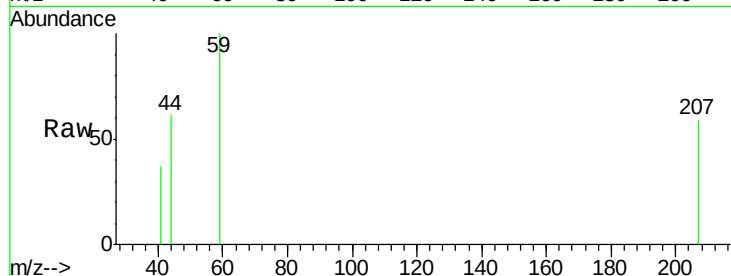
57 0.0 8.2 12.4#

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#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

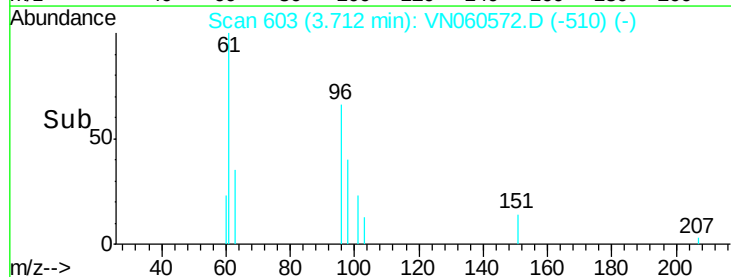
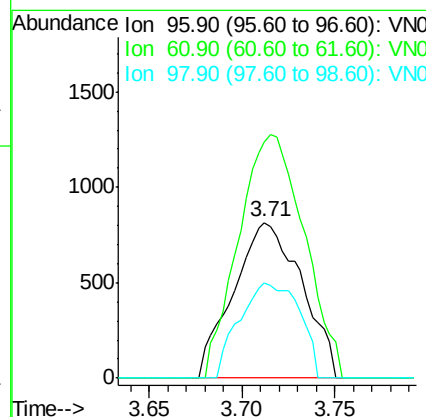
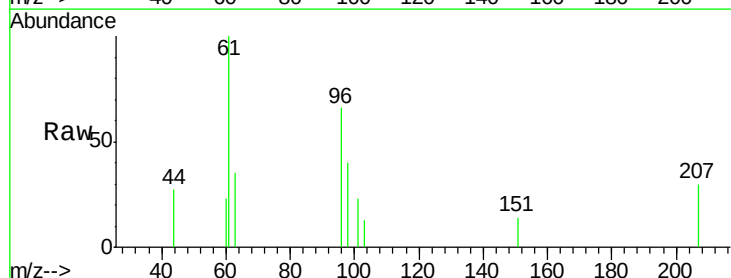
Tgt Ion: 96 Resp: 2085

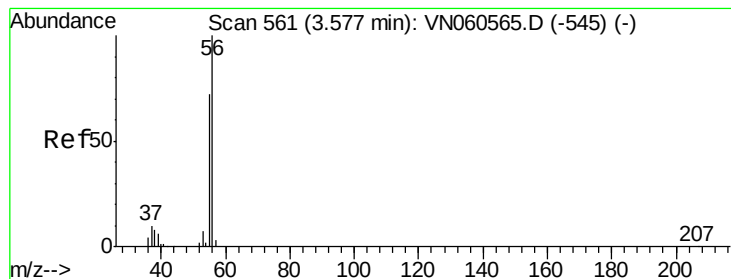
Ion Ratio Lower Upper

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

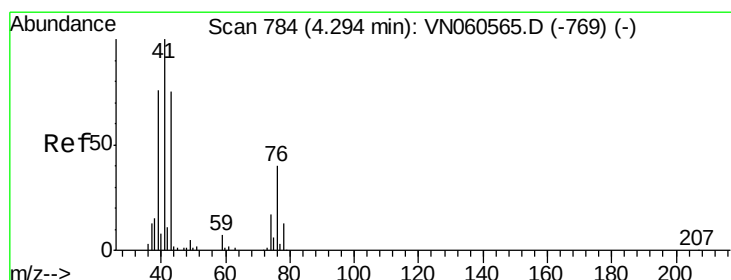
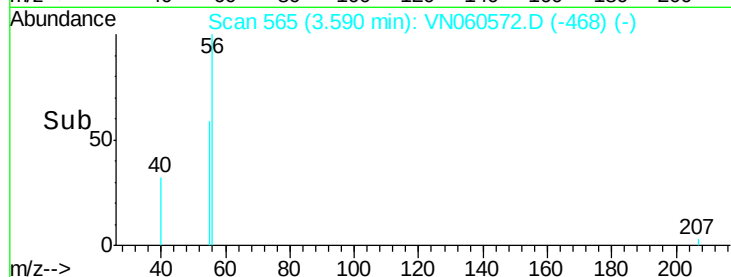
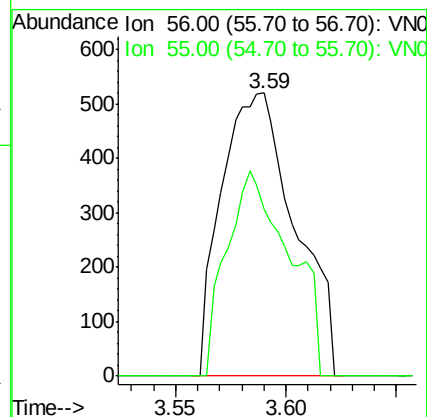
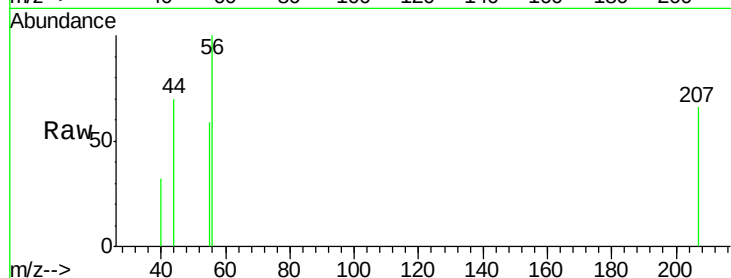
55 61.7 56.7 85.1

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#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

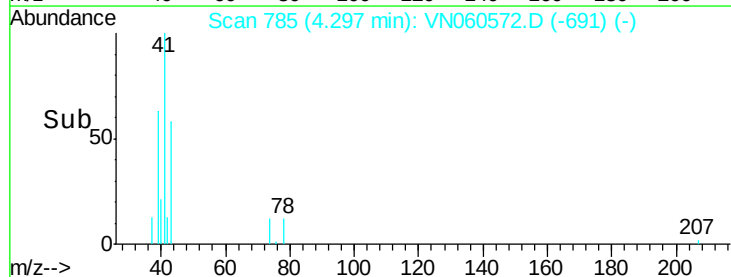
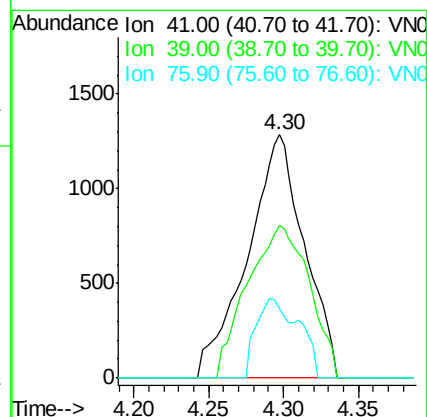
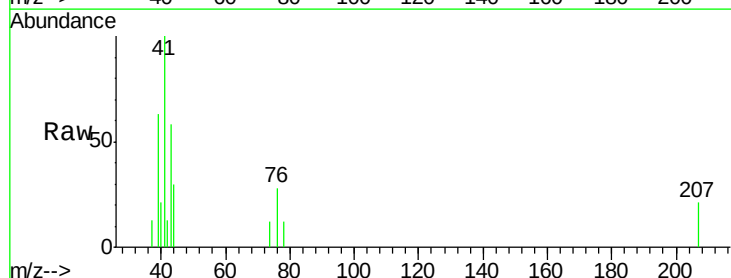
Tgt Ion: 41 Resp: 3397

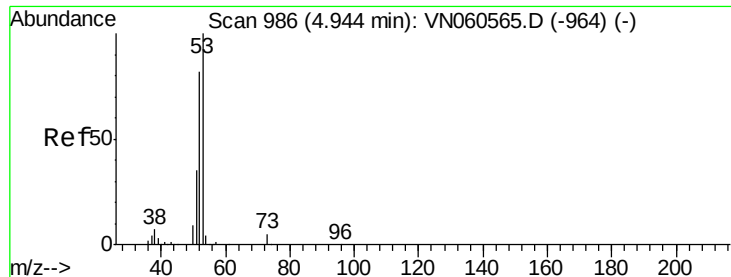
Ion Ratio Lower Upper

41 100

39 68.2 57.8 86.8

76 24.3 28.6 43.0#





#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

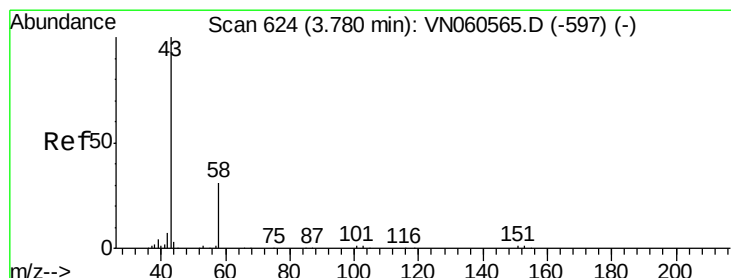
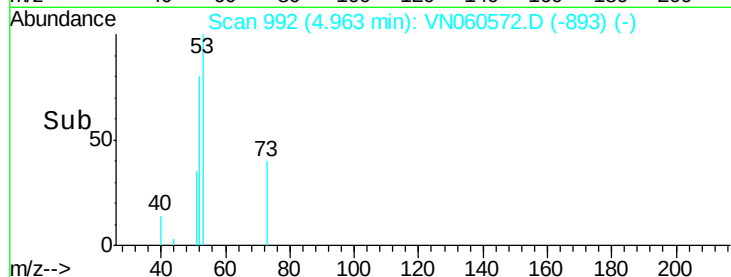
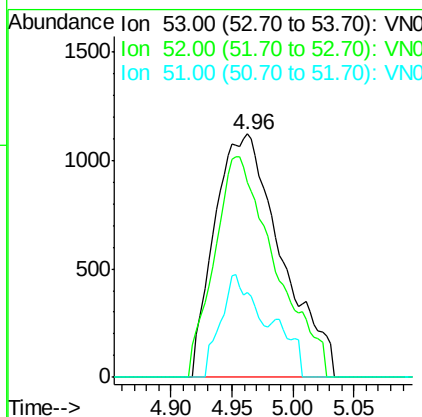
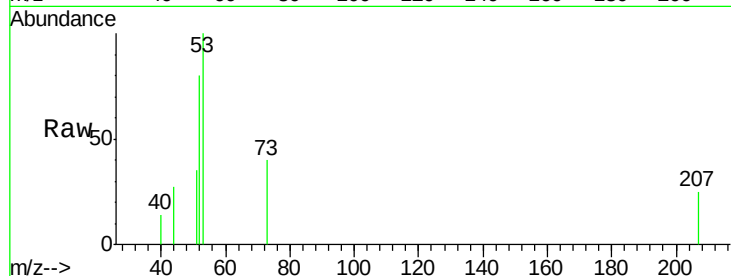
ClientSampleId :

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#

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#16

Acetone

Concen: 3.945 ug/l

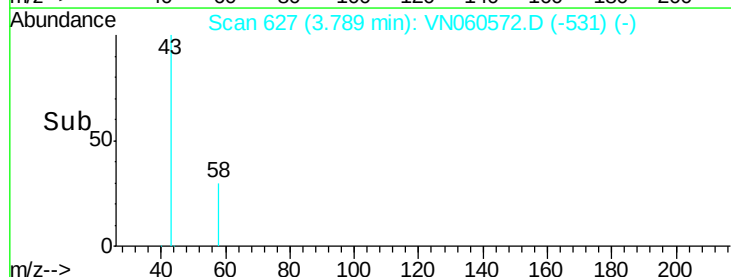
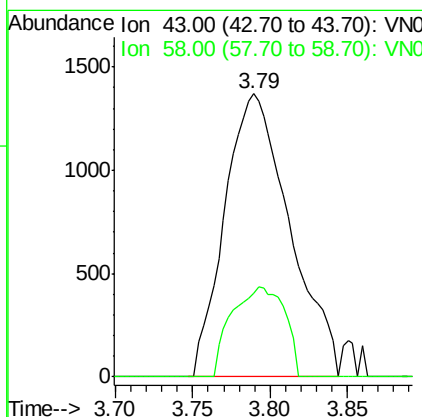
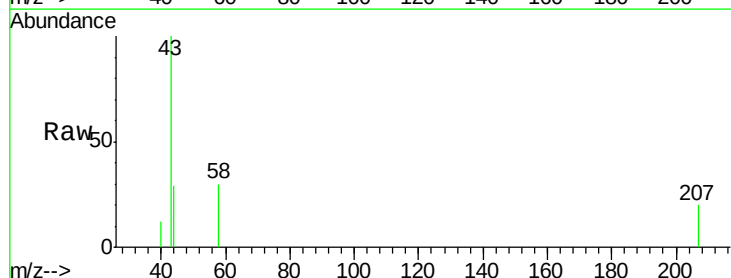
RT: 3.79 min Scan# 627

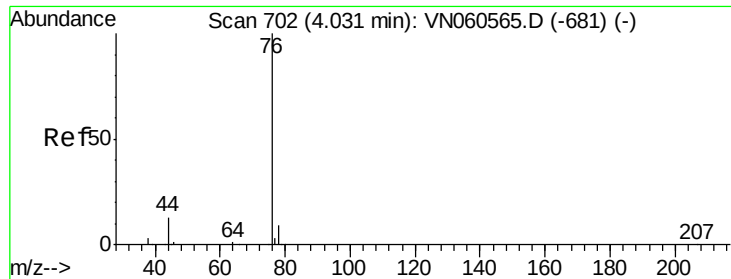
Delta R.T. 0.01 min

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





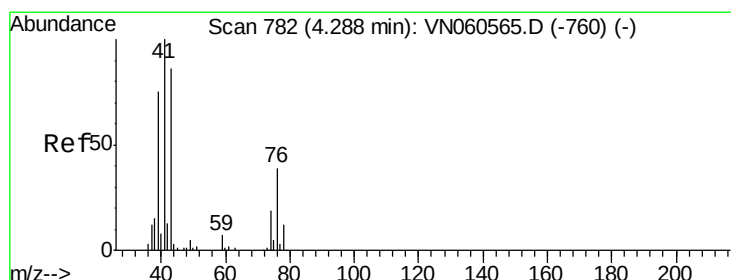
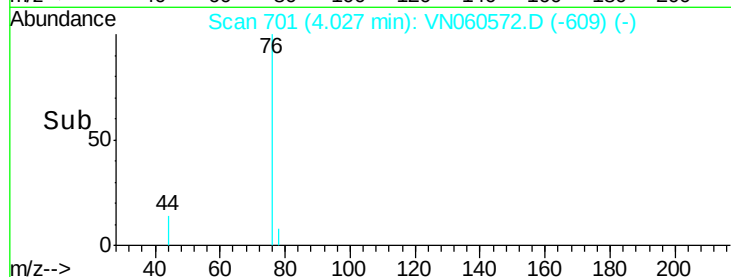
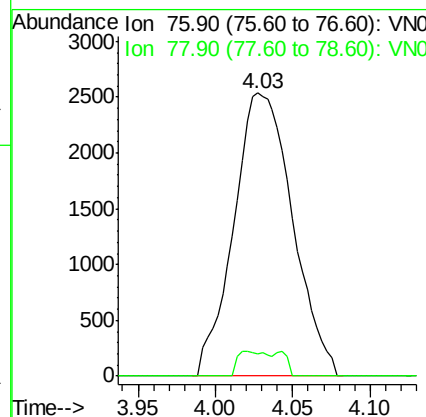
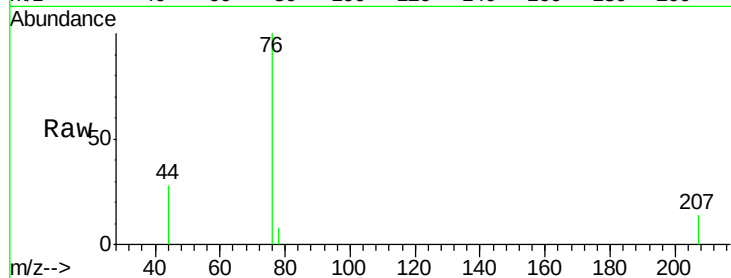
#17
Carbon Disulfide
Concen: 0.978 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

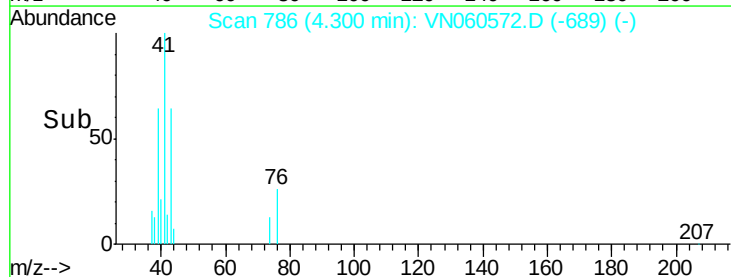
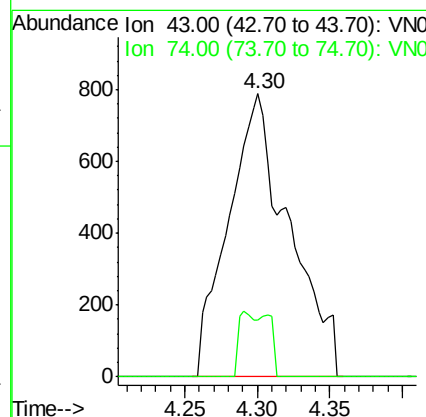
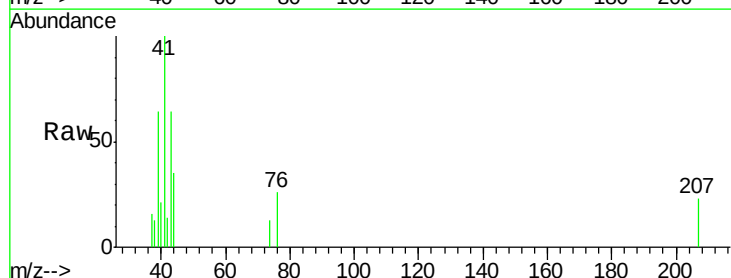
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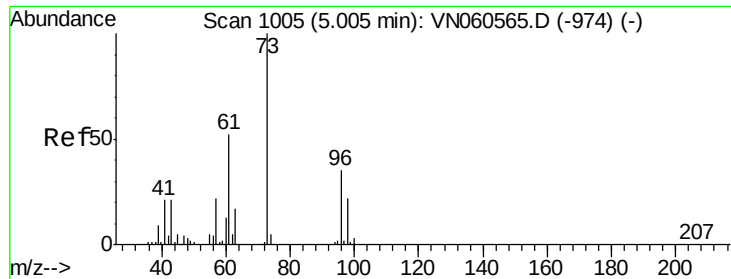
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#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
74 7.1 17.5 26.3#





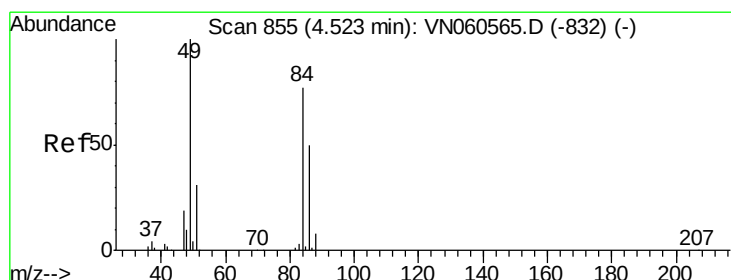
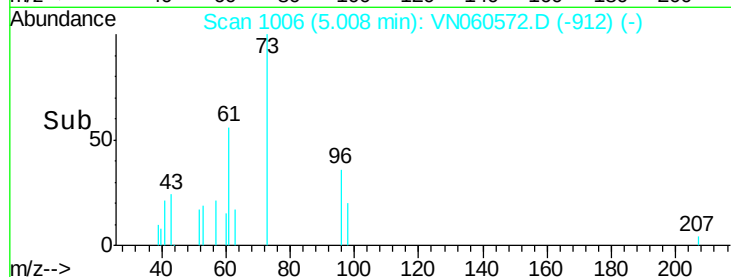
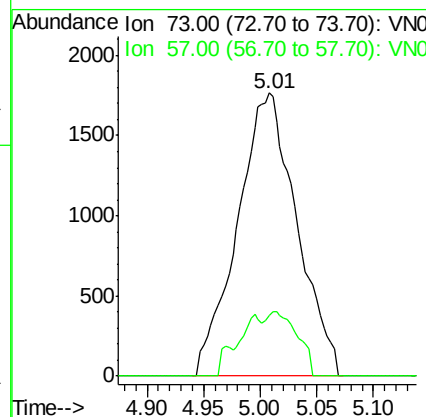
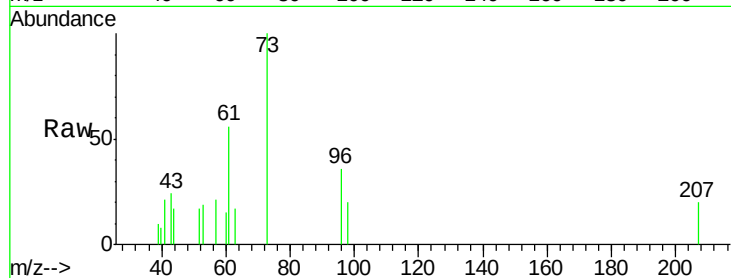
#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

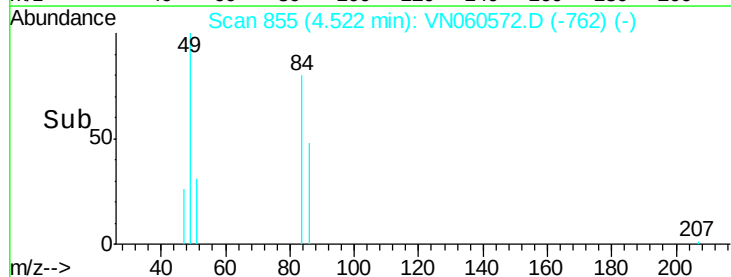
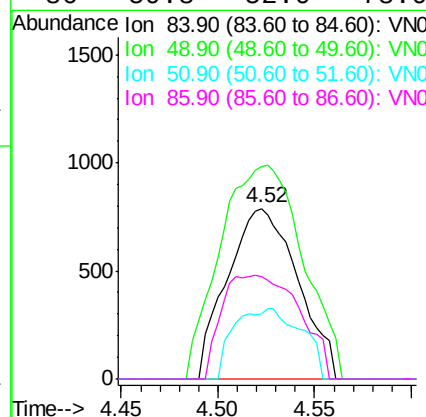
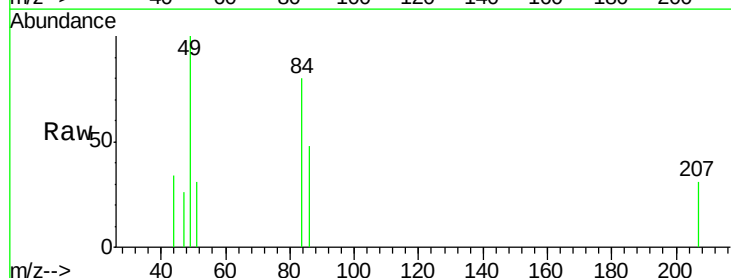
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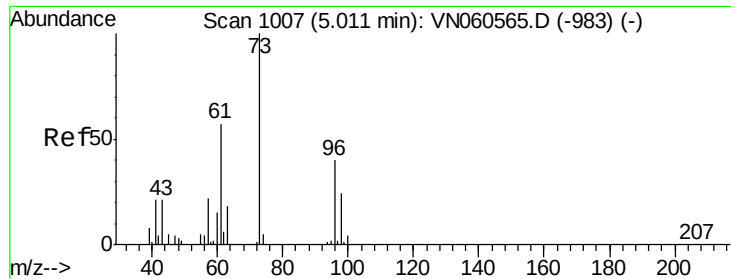
MMDadoda
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#20
Methylene Chloride
Concen: 0.801 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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





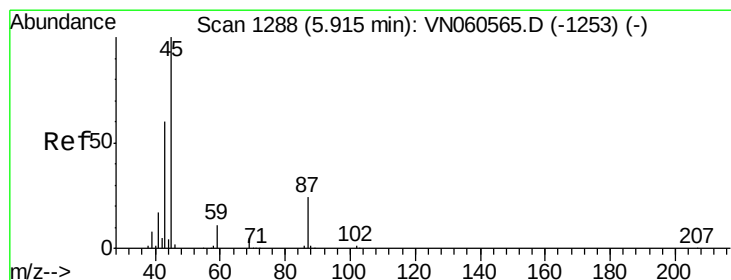
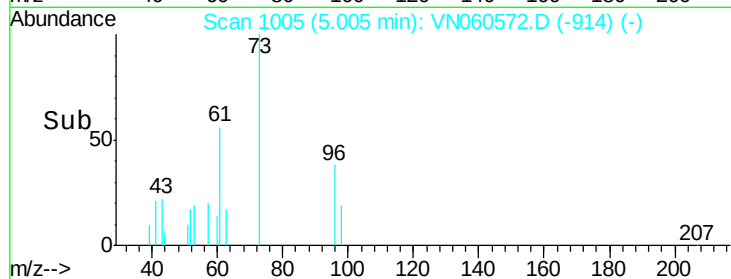
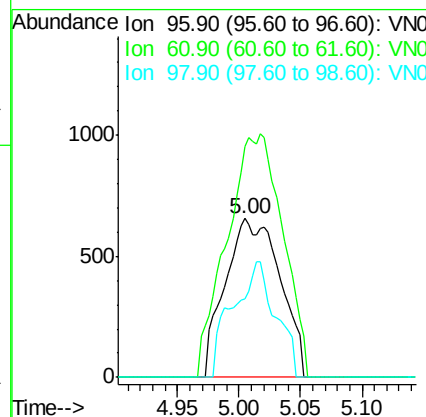
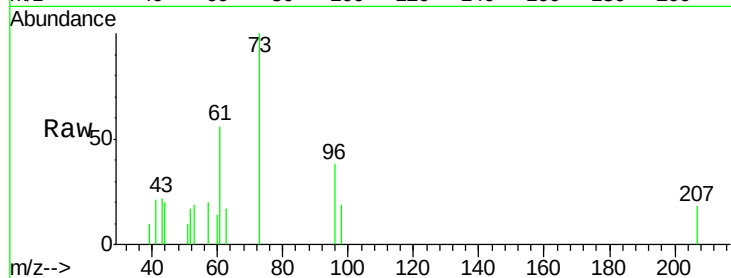
#21
trans-1,2-Dichloroethene
Concen: 0.846 ug/l m
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	114.4	171.6
98	49.8	48.4	72.6

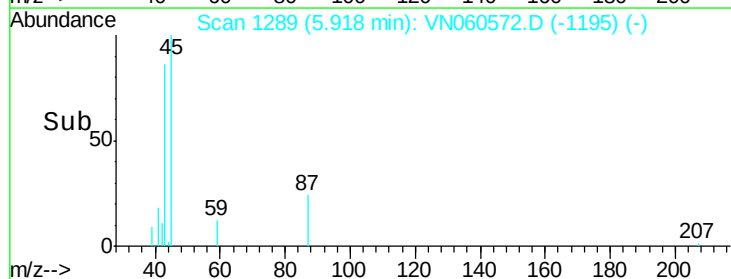
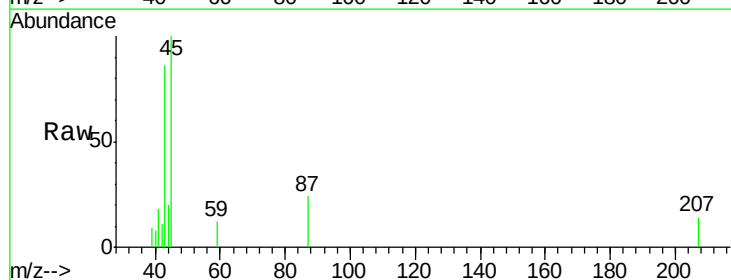
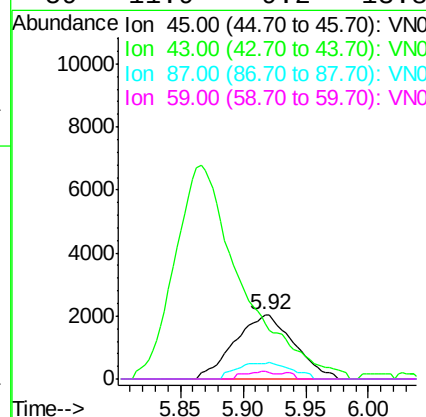
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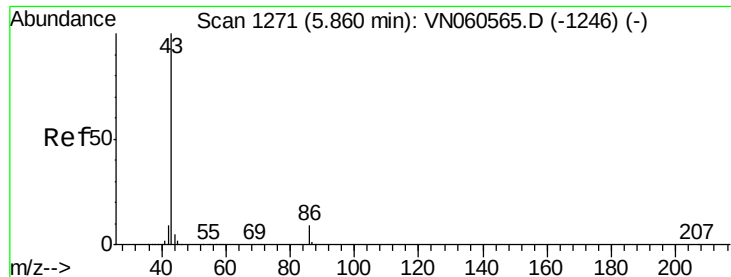
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#22
Diisopropyl ether
Concen: 0.796 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion	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





#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

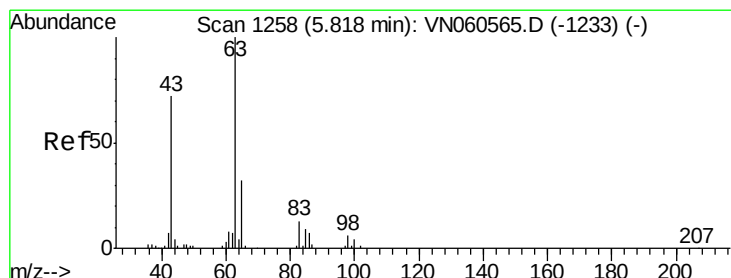
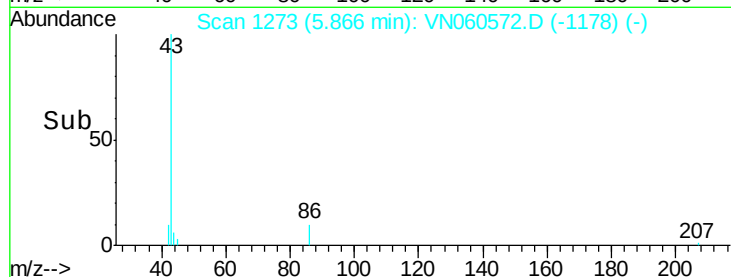
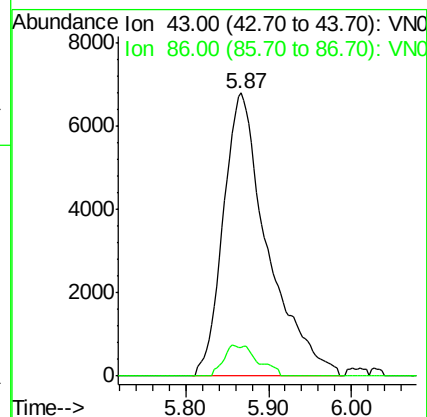
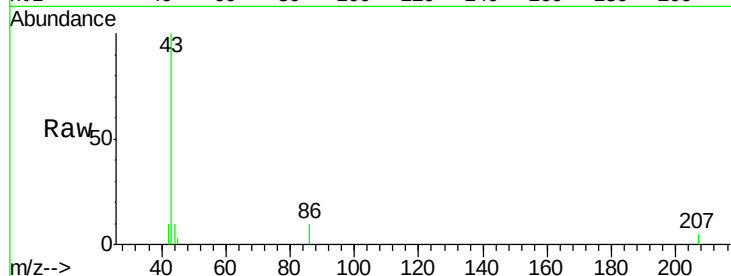
86 10.0 7.6 11.4

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#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

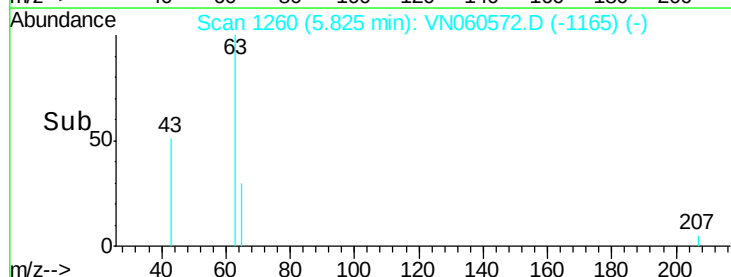
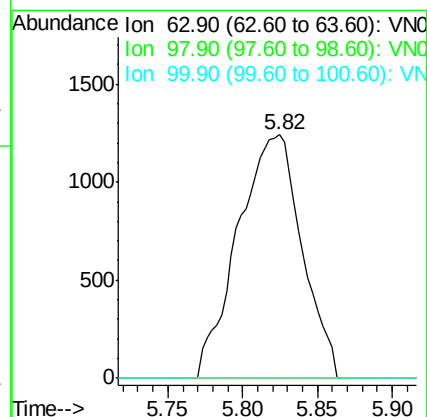
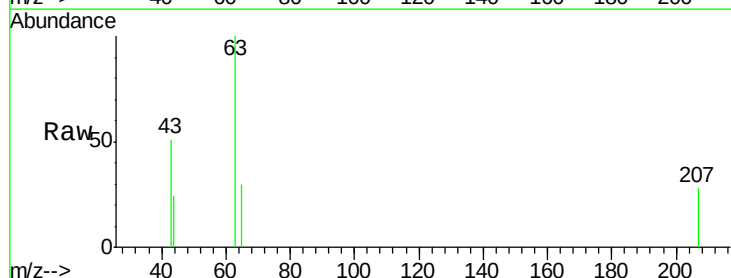
Tgt Ion: 63 Resp: 3685

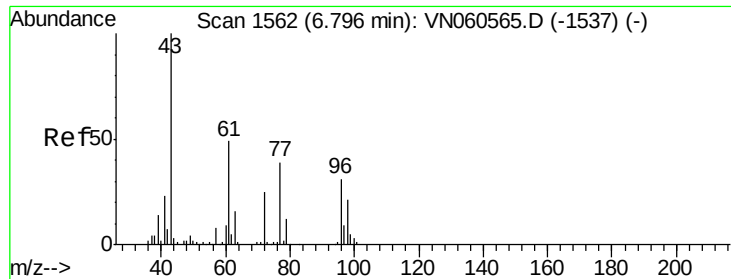
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#





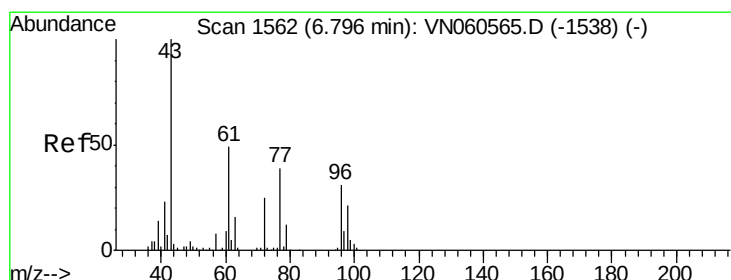
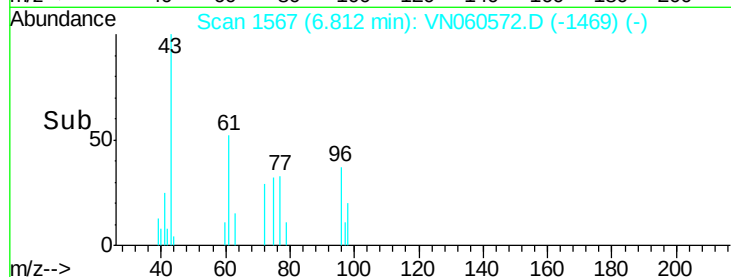
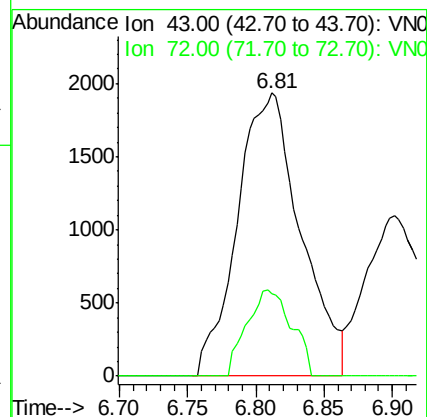
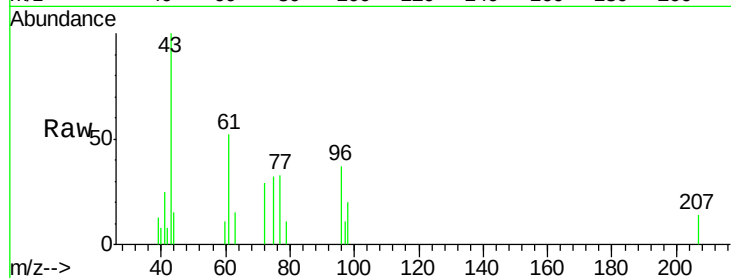
#25
2-Butanone
Concen: 3.807 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

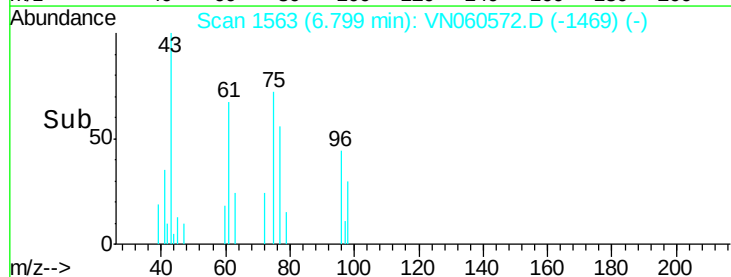
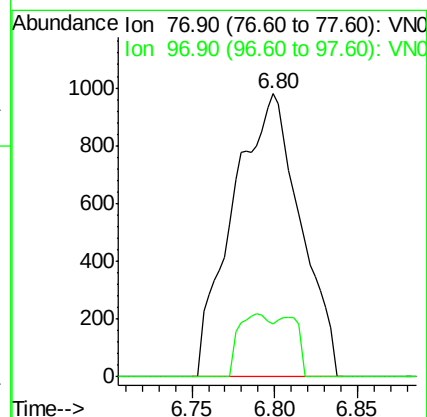
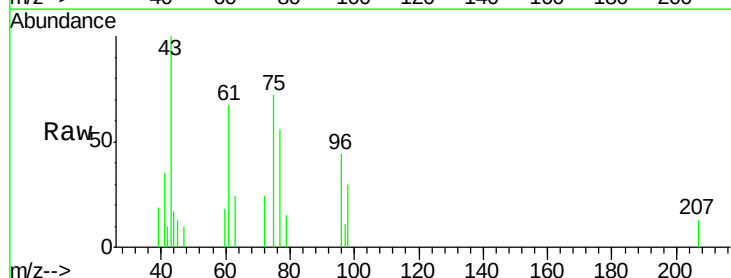
Manual Integrations
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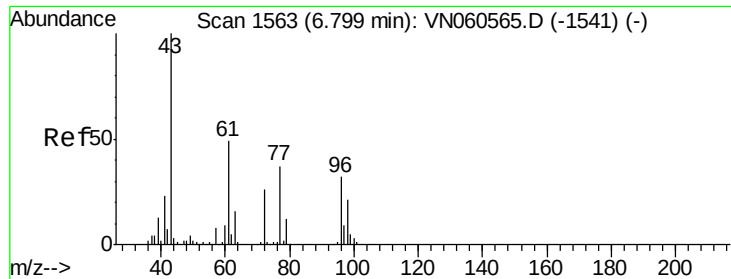
MMDadoda
3/19/2020 1:02:19 PM



#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

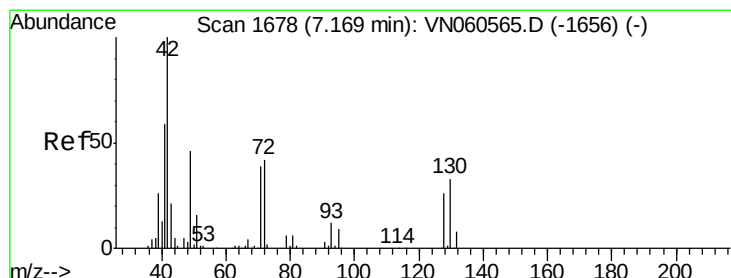
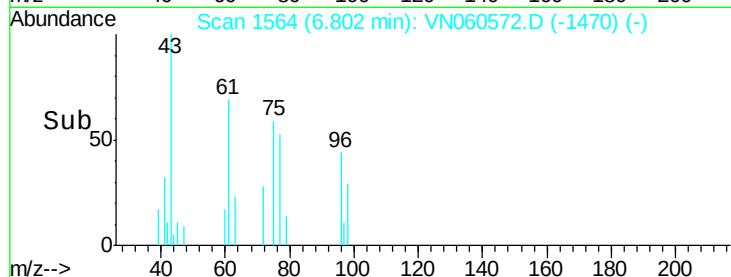
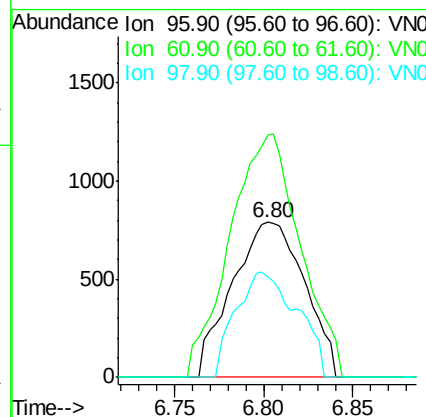
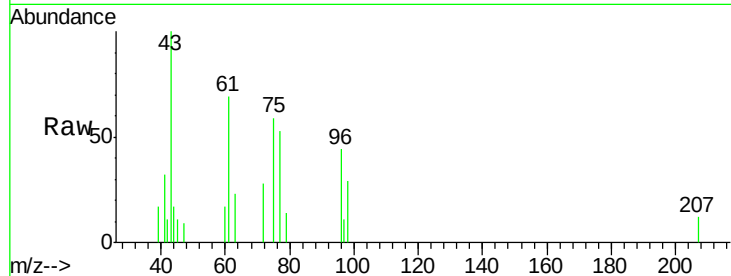
ClientSampleId :

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

Manual Integrations
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MMDadoda
3/19/2020 1:02:19 PM



#28

Bromochloromethane

Concen: 0.660 ug/l m

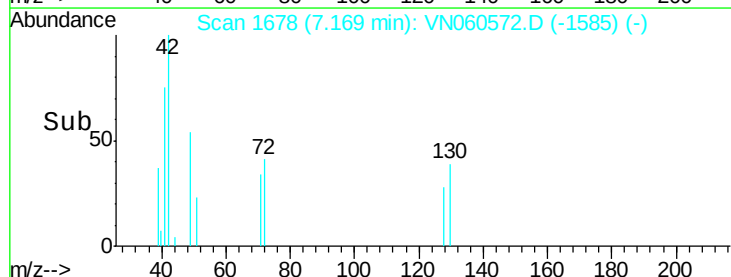
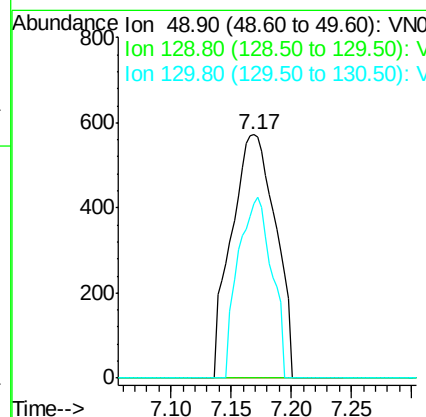
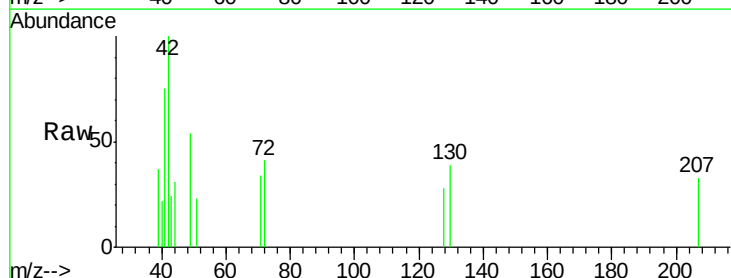
RT: 7.17 min Scan# 1678

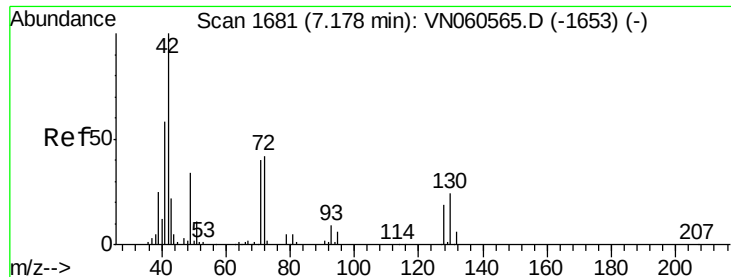
Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt Ion:	49	Resp:	1443
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	0.0	55.0	82.4#





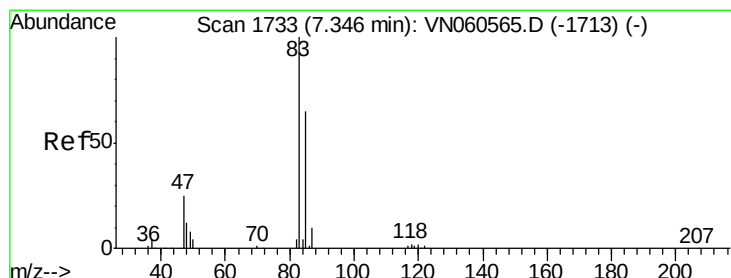
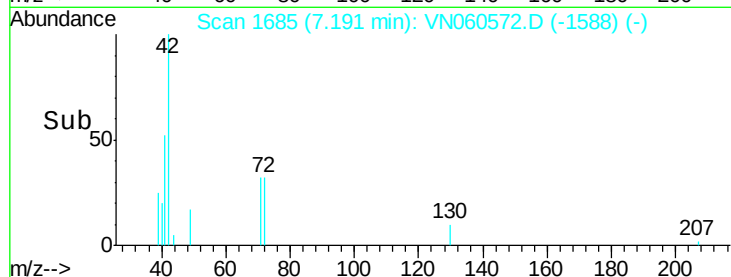
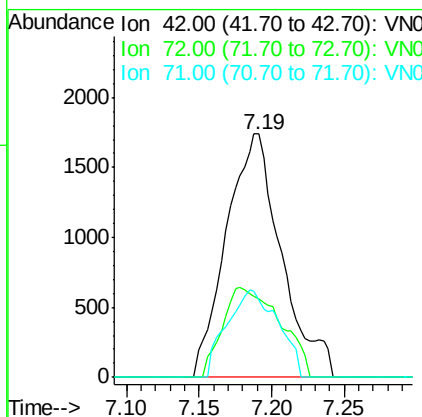
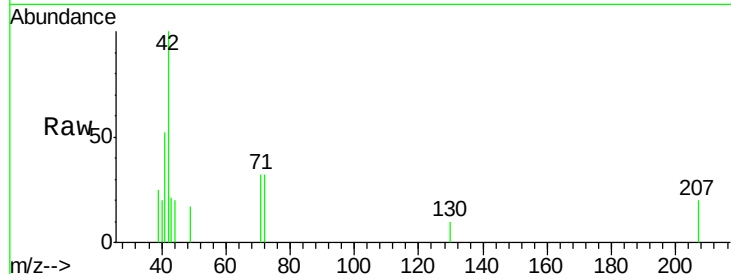
#29
Tetrahydrofuran
Concen: 3.962 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	33.2	49.8
71	33.2	31.1	46.7

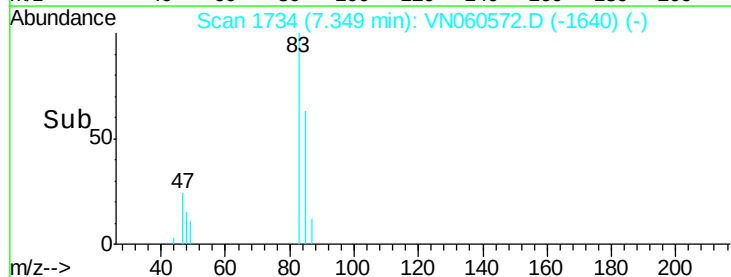
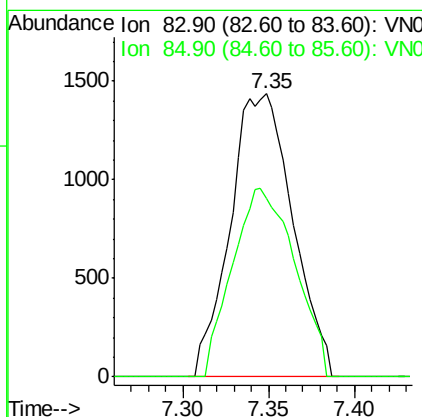
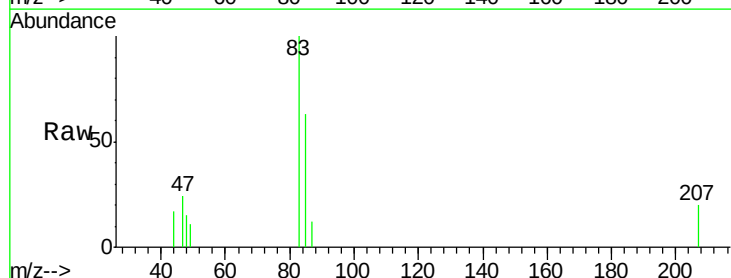
Manual Integrations
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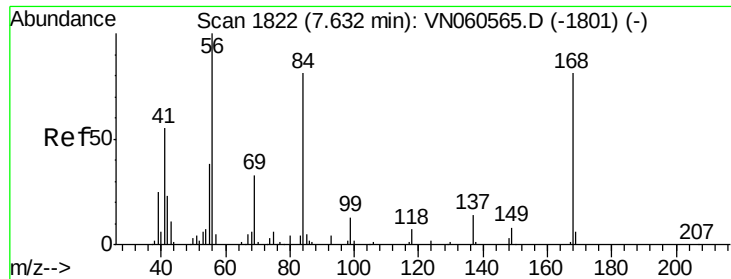
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8





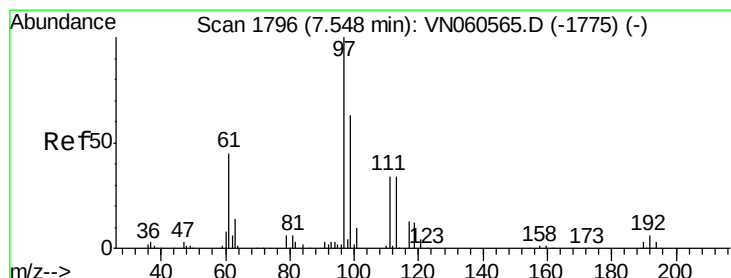
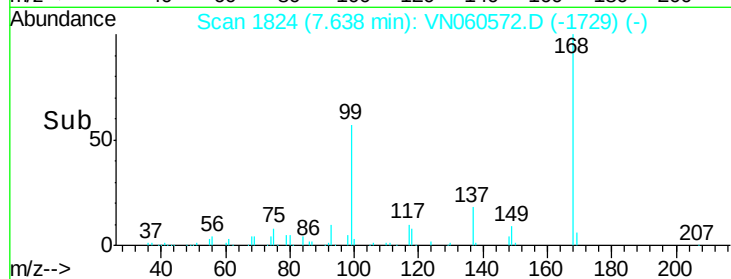
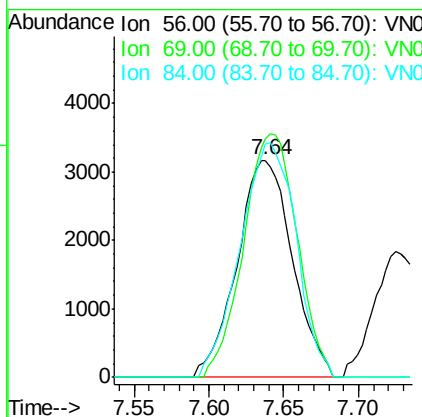
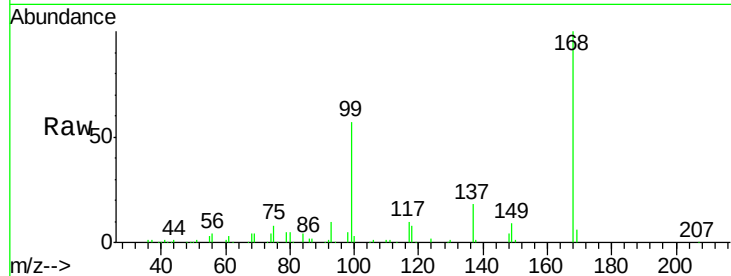
#31
Cyclohexane
Concen: 1.768 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	110.3	26.6	40.0#
84	107.9	64.3	96.5#

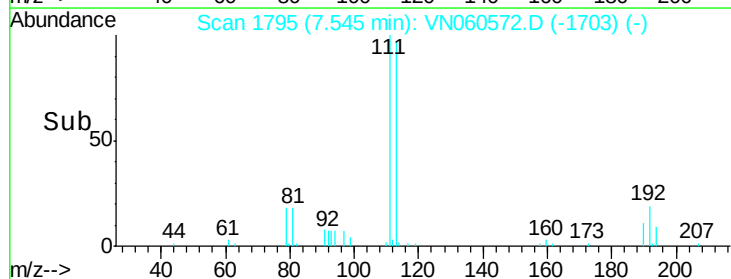
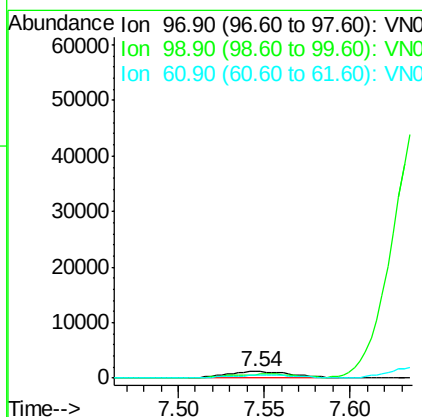
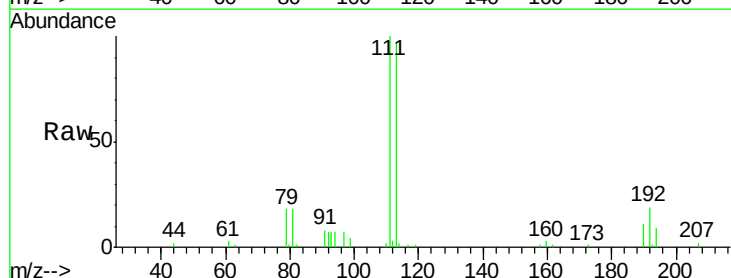
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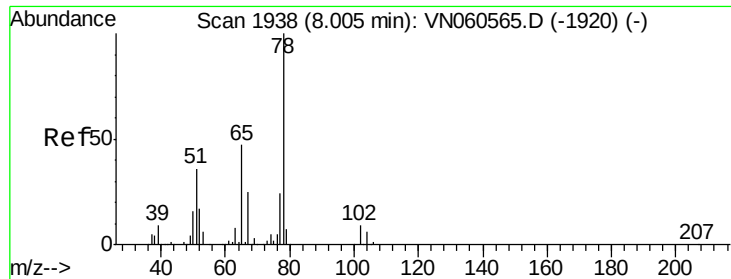
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	75.8#
61	46.3	36.2	54.4





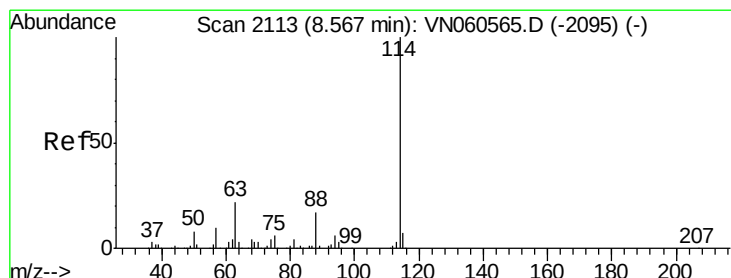
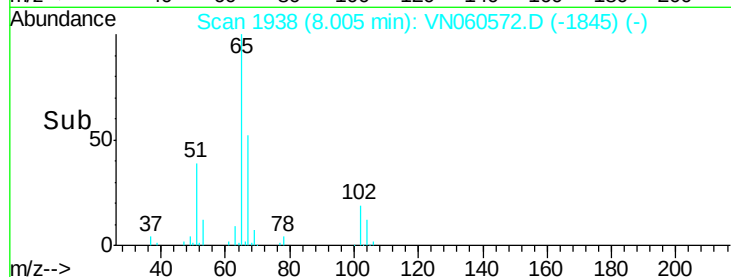
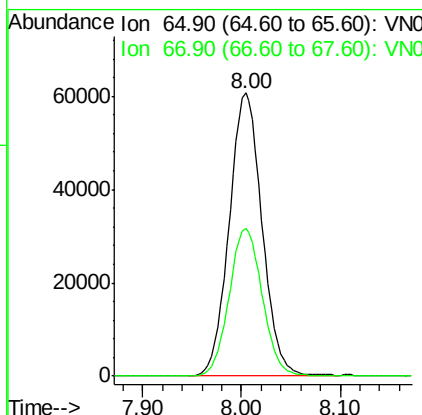
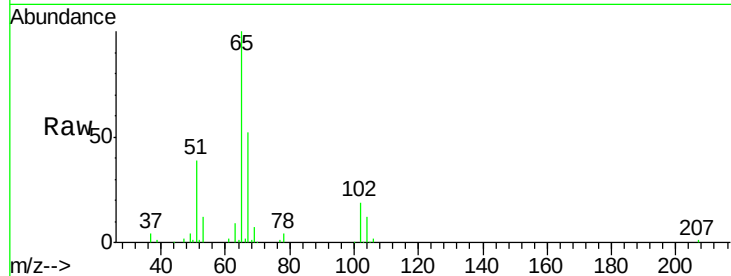
#33
 1,2-Dichloroethane-d4
 Concen: 49.214 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.6

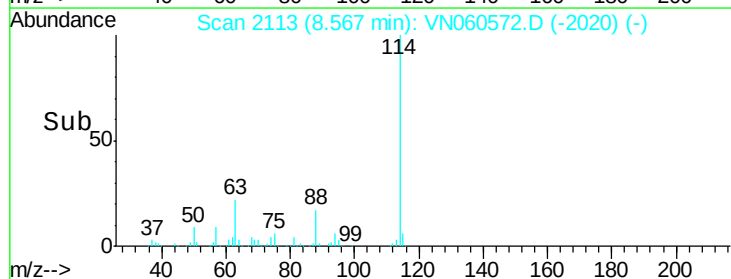
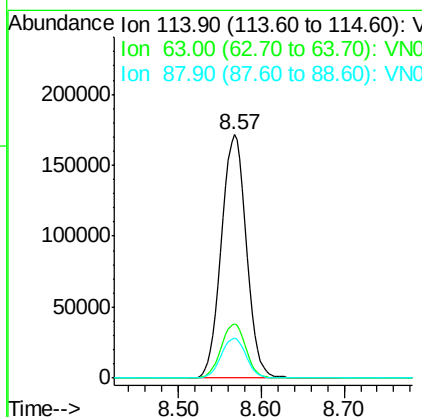
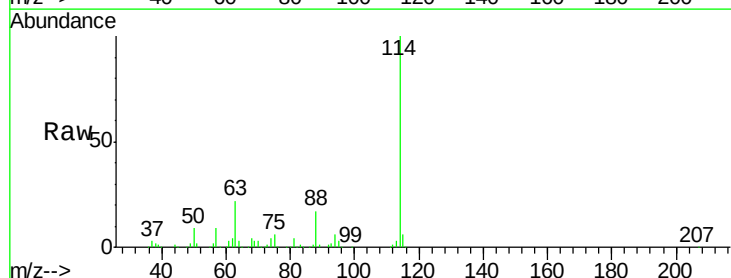
Manual Integrations
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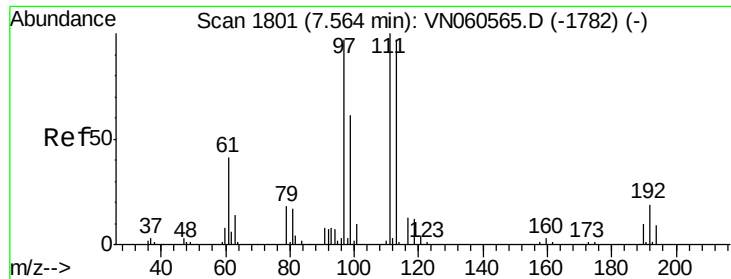
MMDadoda
 3/19/2020 1:02:19 PM



#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

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





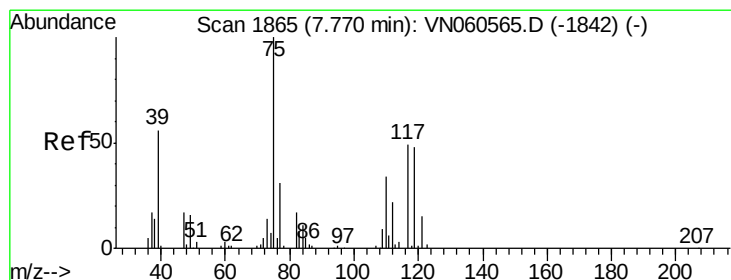
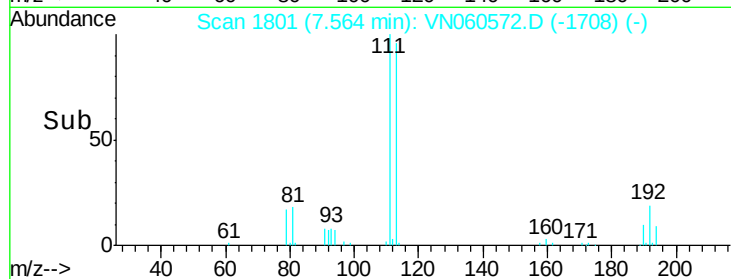
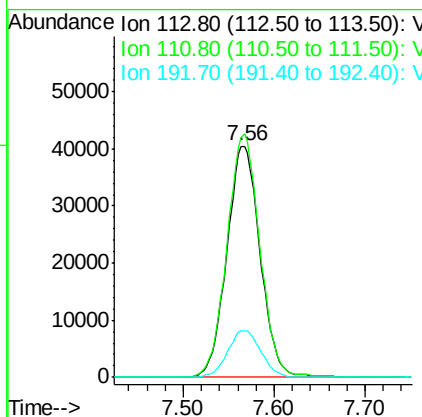
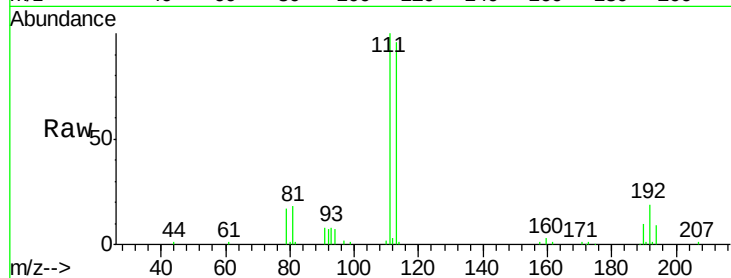
#35
Dibromofluoromethane
Concen: 47.321 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102916		
111	103.8	82.9	124.3	
192	20.1	15.8	23.8	

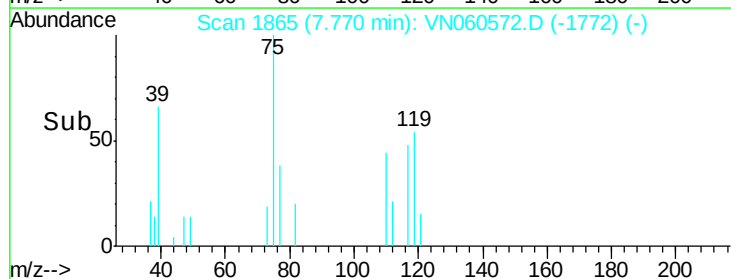
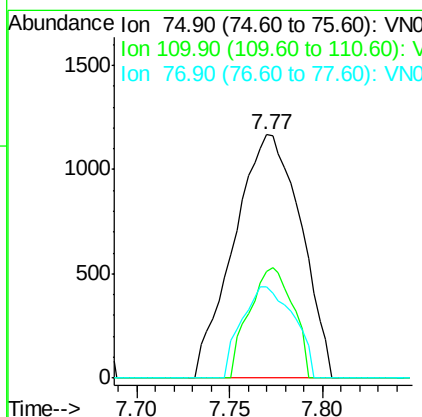
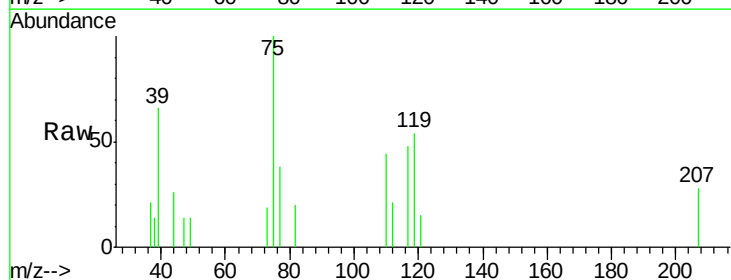
Manual Integrations
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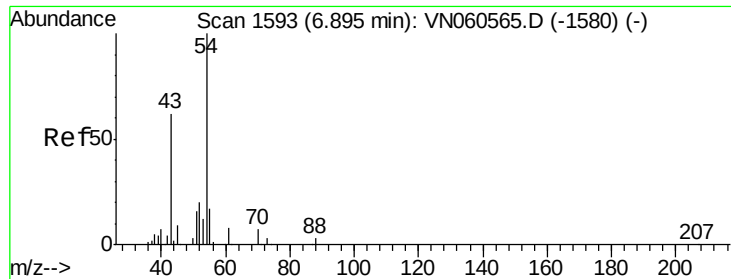
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2918		
110	29.7	16.9	50.6	
77	29.2	24.6	36.8	





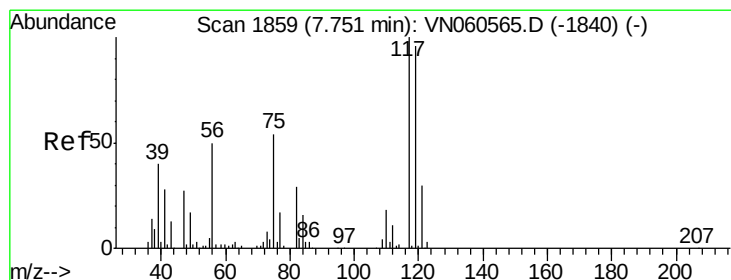
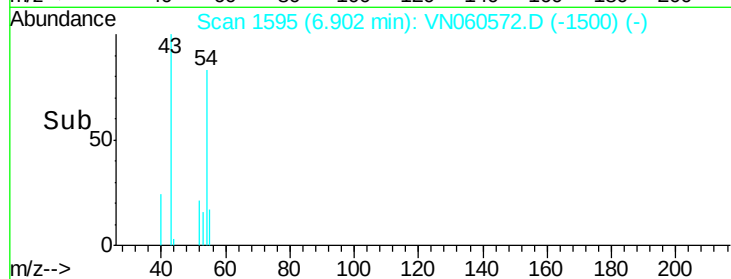
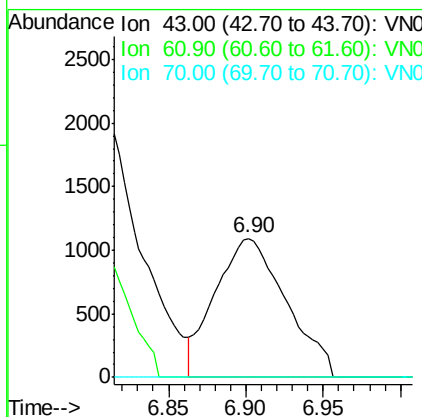
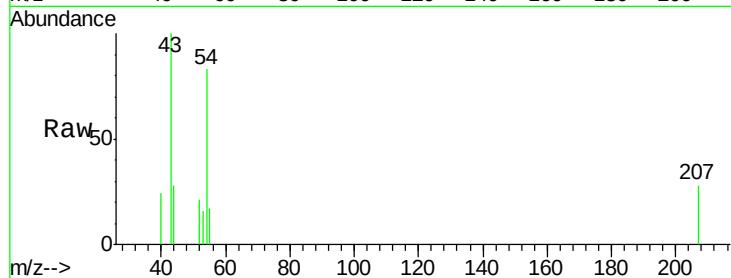
#37
Ethyl Acetate
Concen: 0.928 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

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

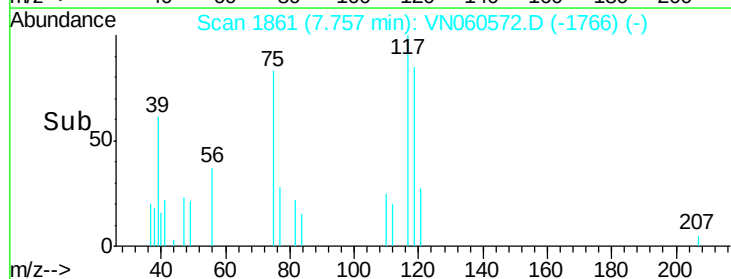
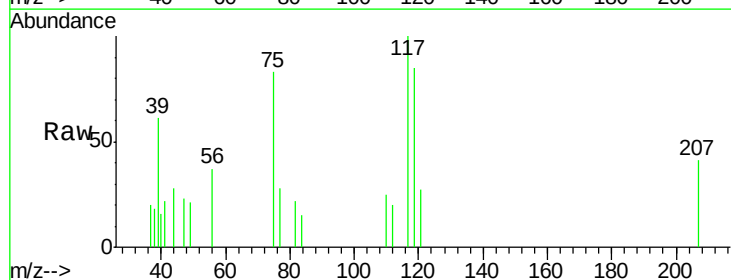
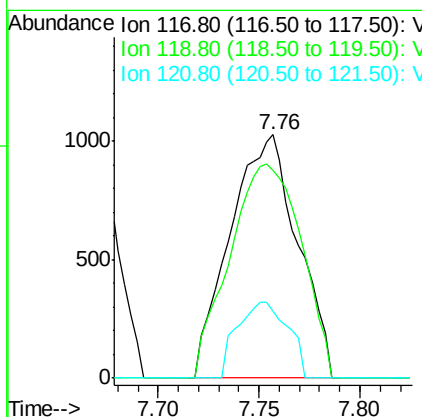
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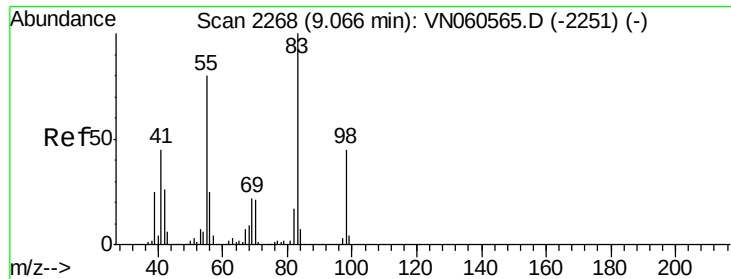
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.3	76.2	114.2
121	27.4	23.7	35.5





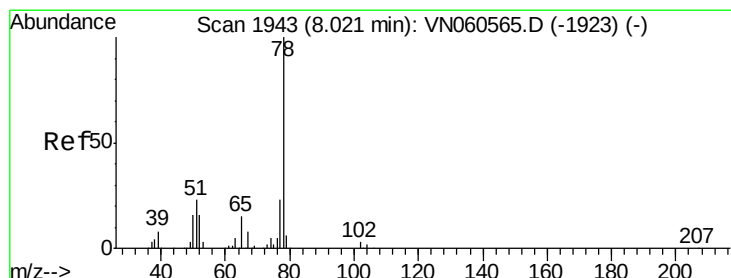
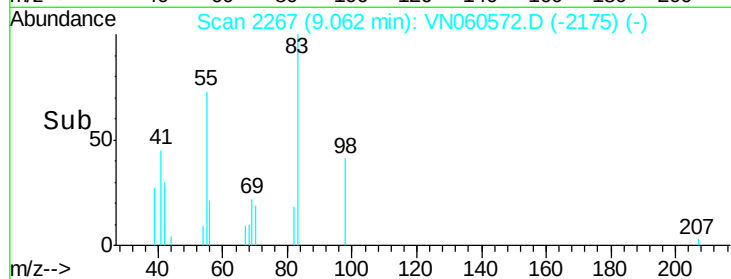
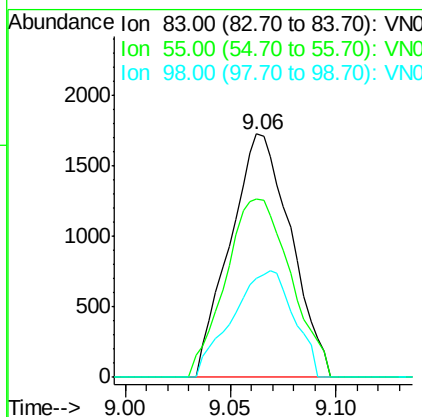
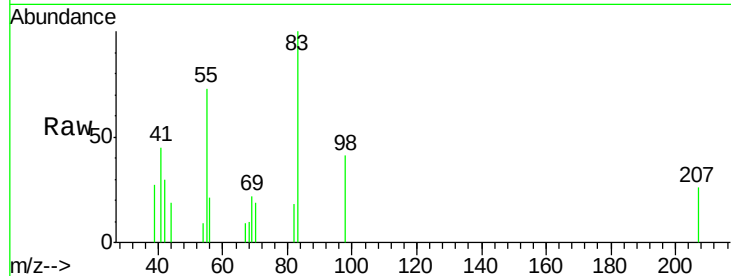
#39
Methylvlcyclohexane
Concen: 0.835 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	63.6	95.4
98	40.8	36.0	54.0

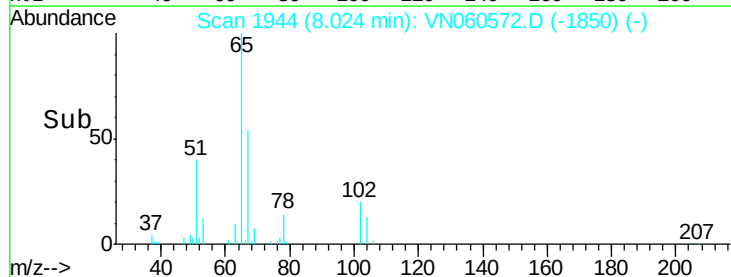
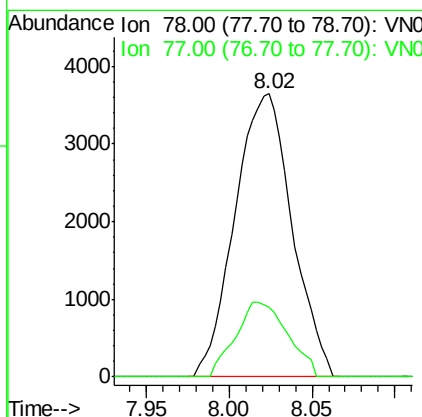
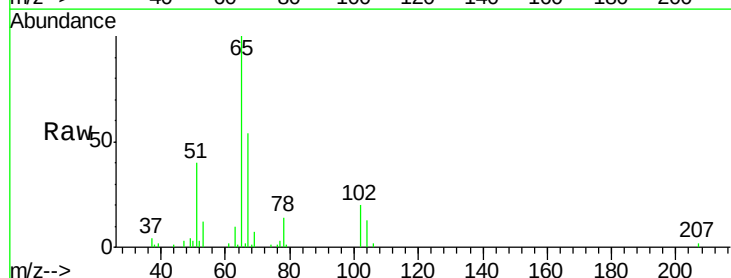
Manual Integrations
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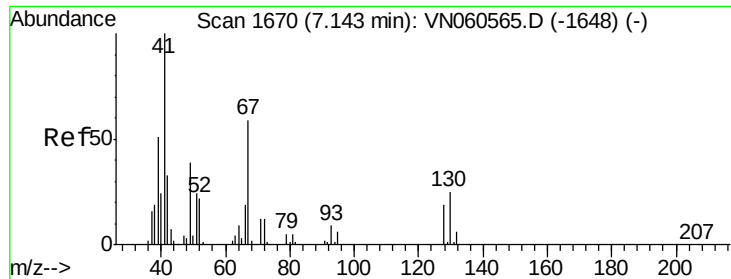
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0





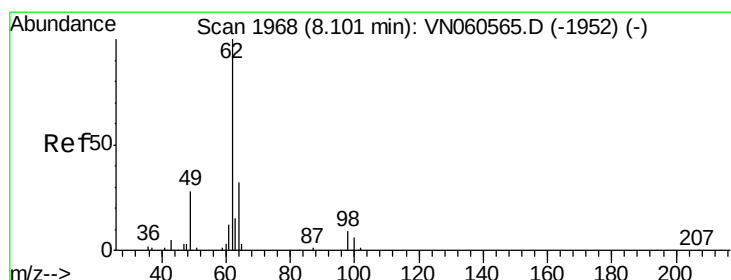
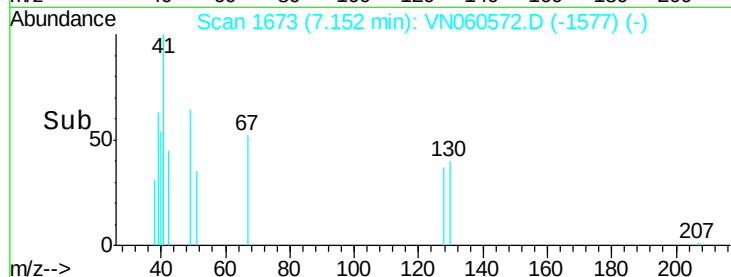
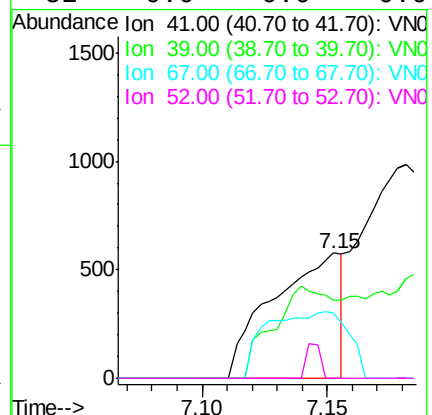
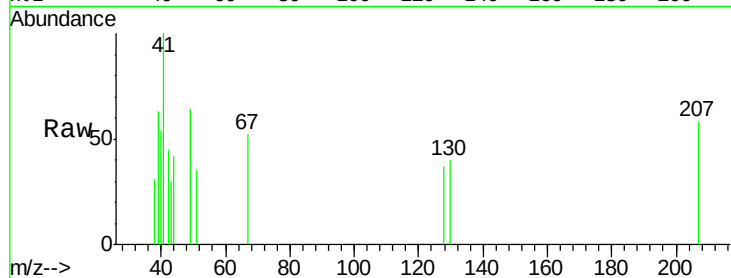
#41
Methacrylonitrile
Concen: 0.689 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		1107		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

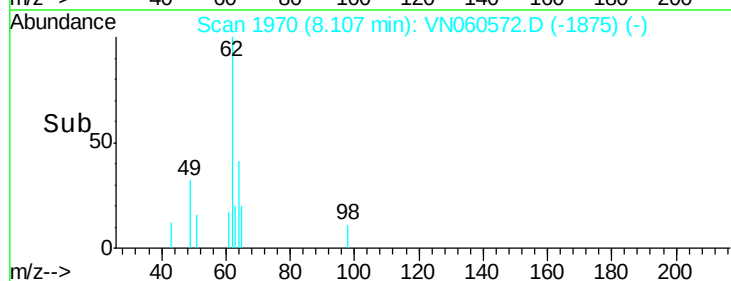
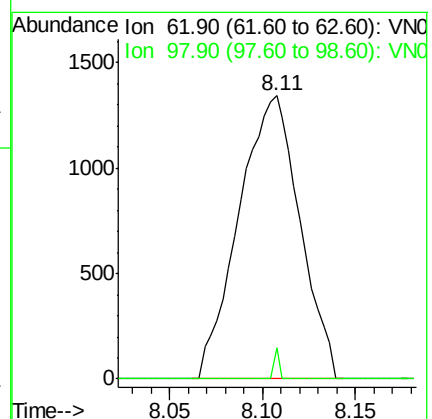
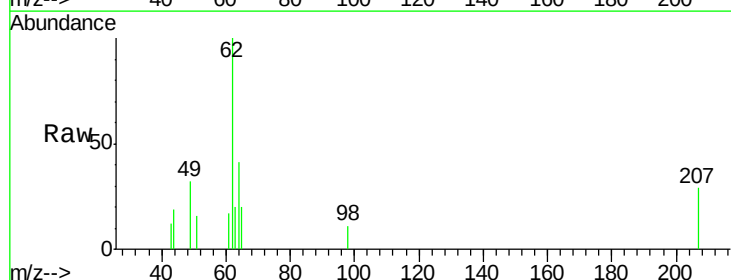
Manual Integrations
APPROVED

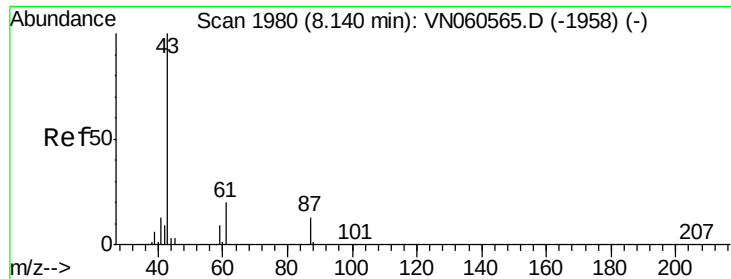
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		3079		
98	0.9	0.0	17.8		





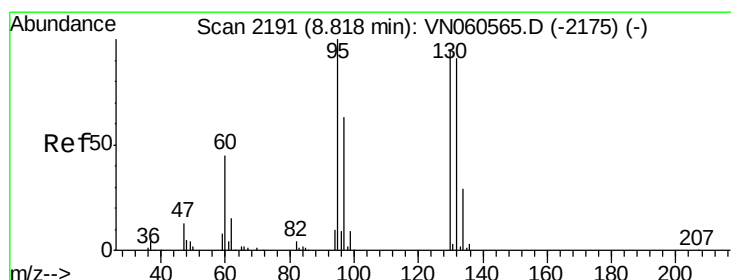
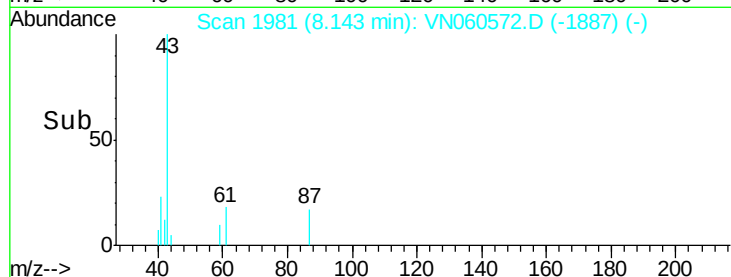
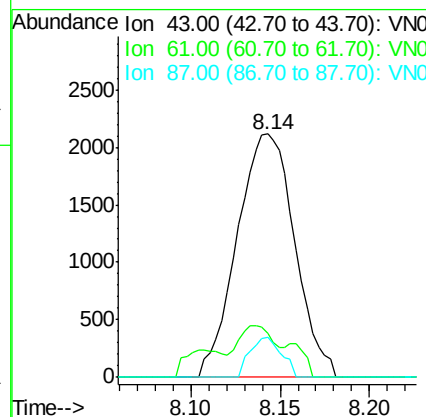
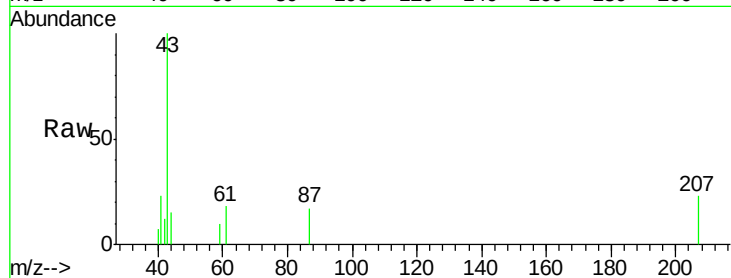
#43
Isopropyl Acetate
Concen: 0.766 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.2	20.7	31.1#
87	9.0	9.8	14.8#

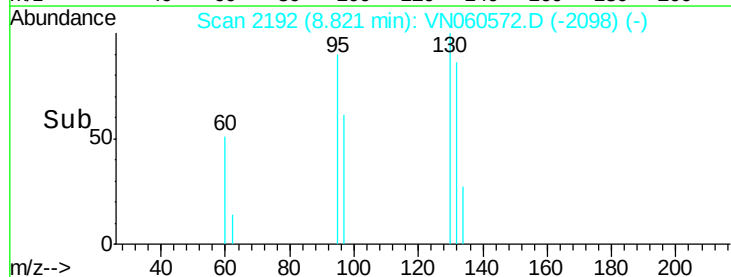
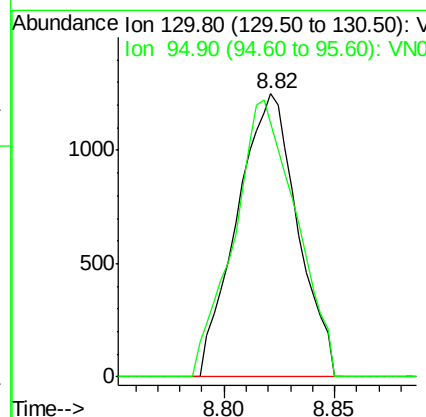
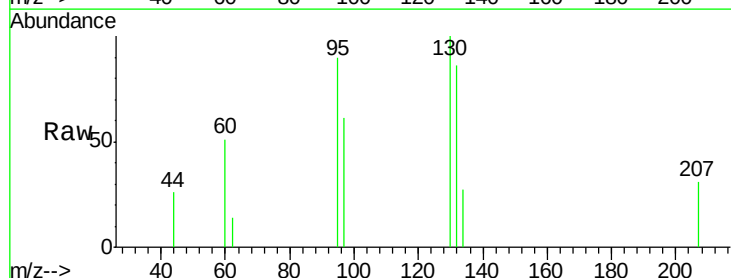
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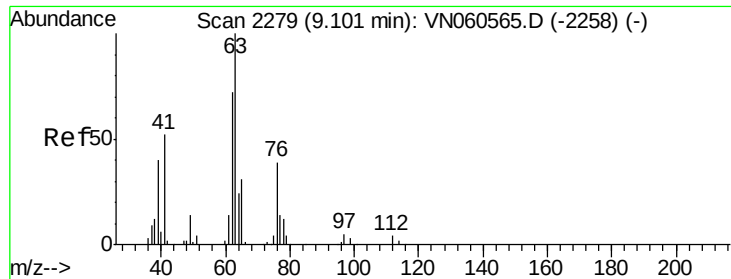
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	211.2





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 63 Resp: 2308

Ion Ratio Lower Upper

63 100

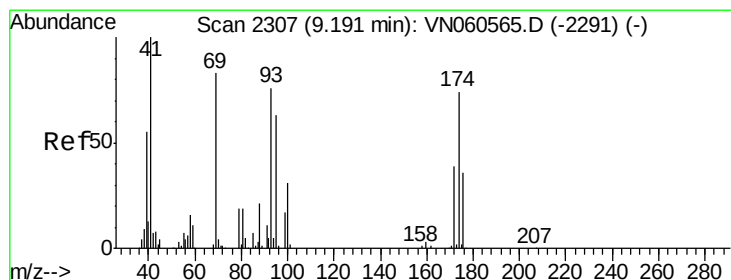
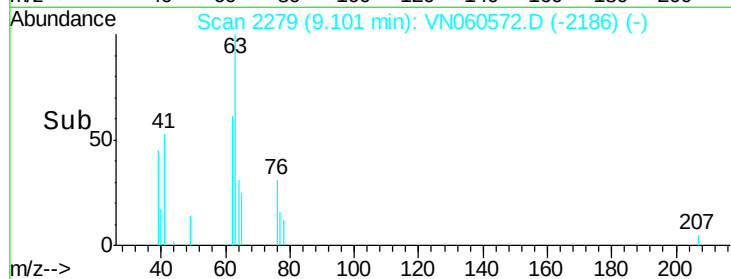
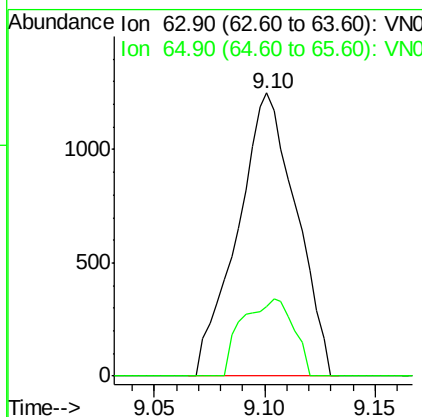
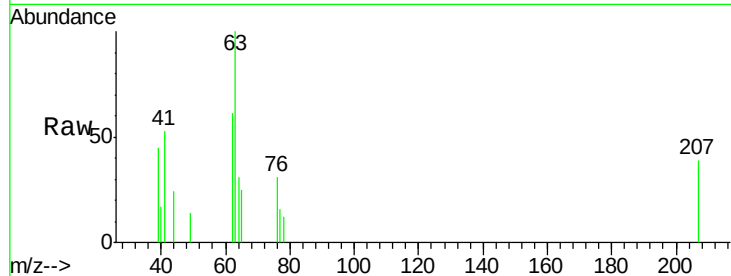
65 24.7 25.4 38.0#

Manual Integrations

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3/19/2020 1:02:19 PM



#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

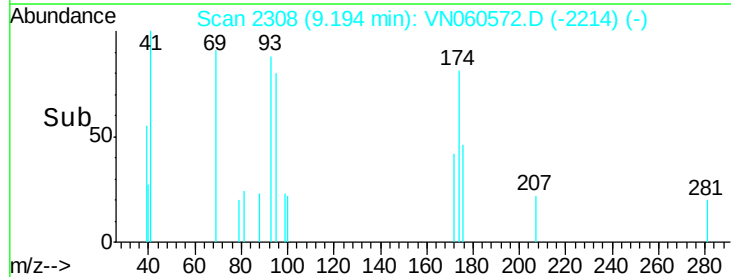
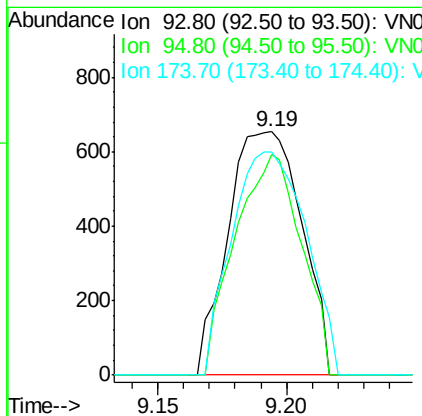
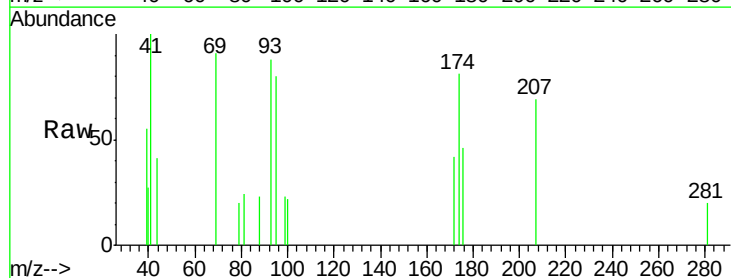
Tgt Ion: 93 Resp: 1299

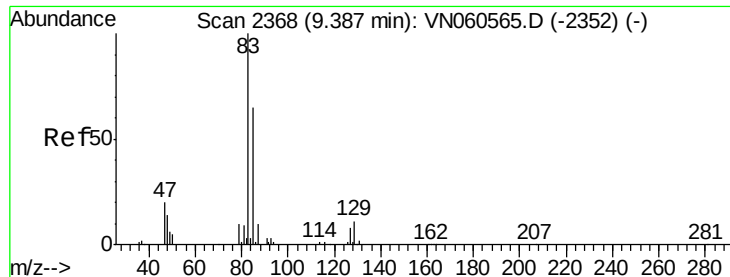
Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.4

174 93.1 77.9 116.9





#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

Instrument :

MSVOA_N

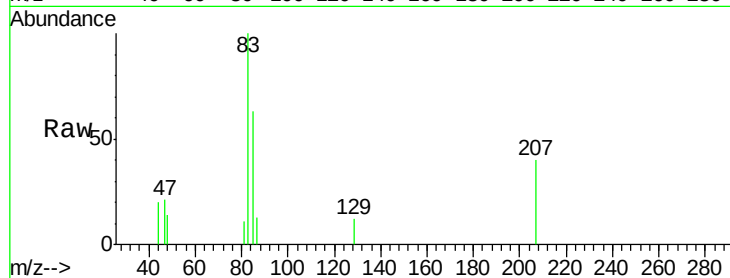
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

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

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060572.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

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Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

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Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

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Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

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Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

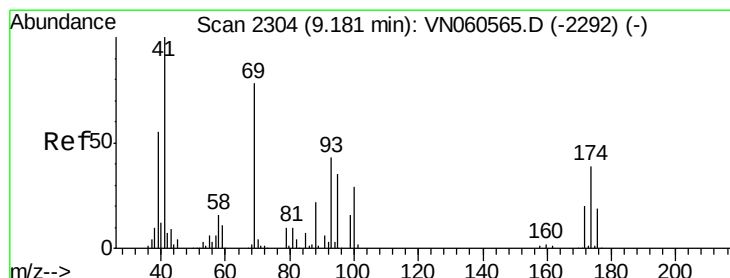
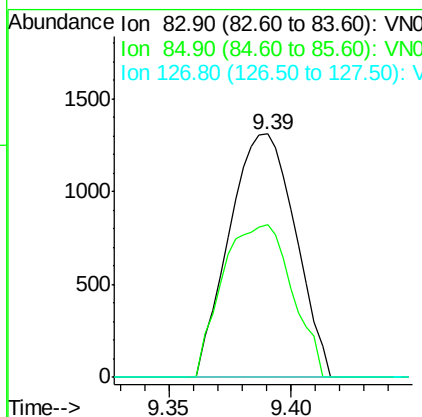
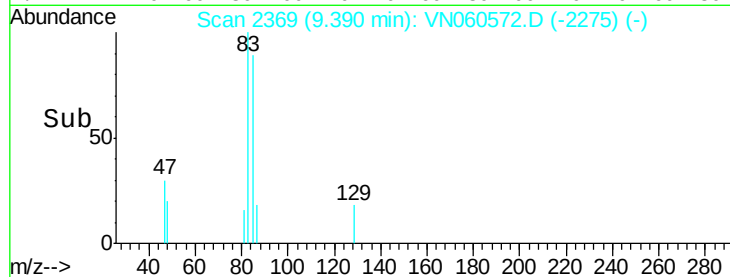
Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060572.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.771 ug/l

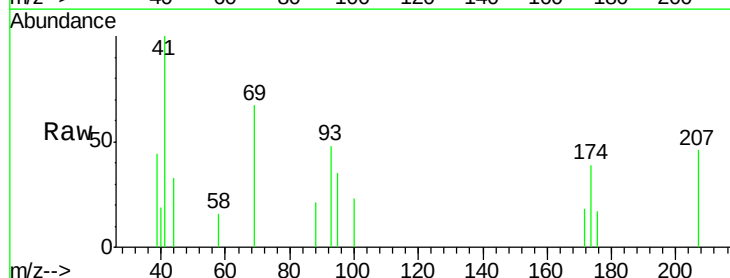
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt 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): VN060572.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

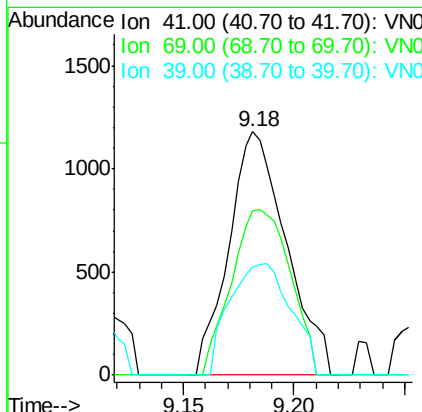
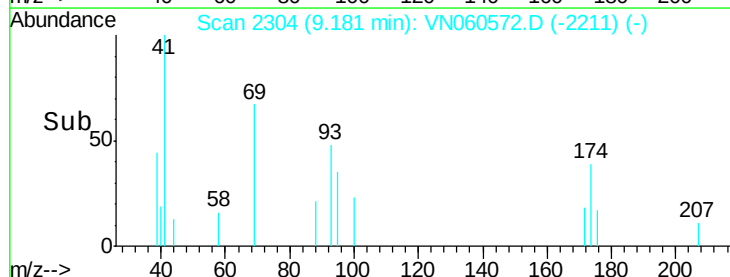
Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

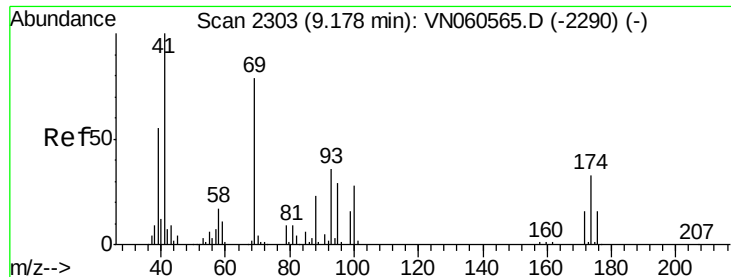
Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2211) (-)





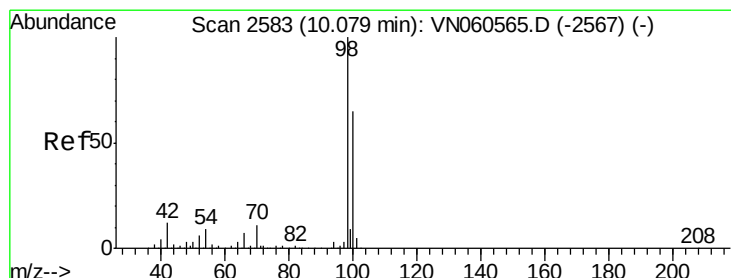
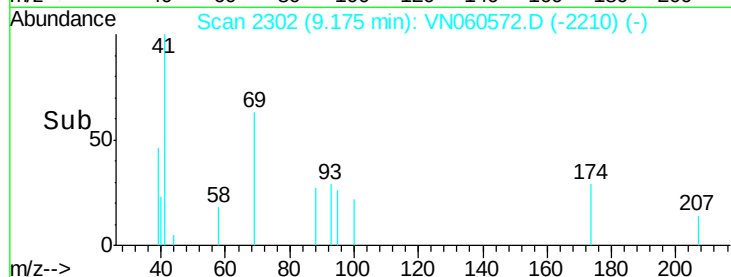
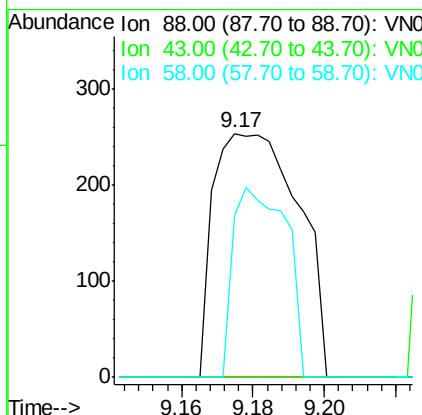
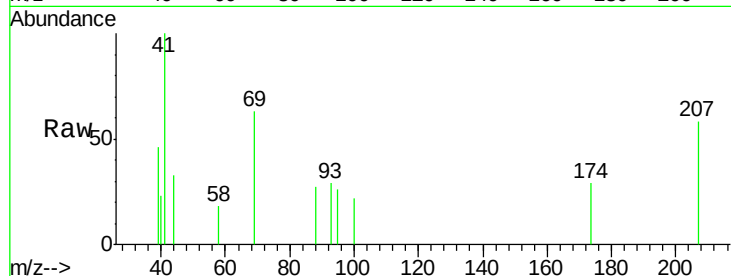
#49
1,4-Dioxane
Concen: 12.666 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.8	46.2#
58	48.8	59.8	89.8#

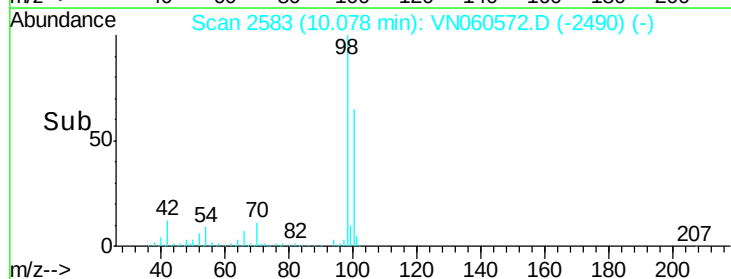
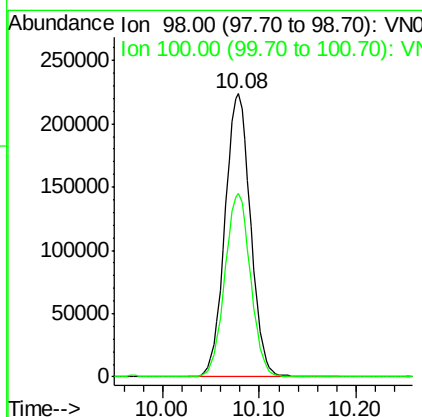
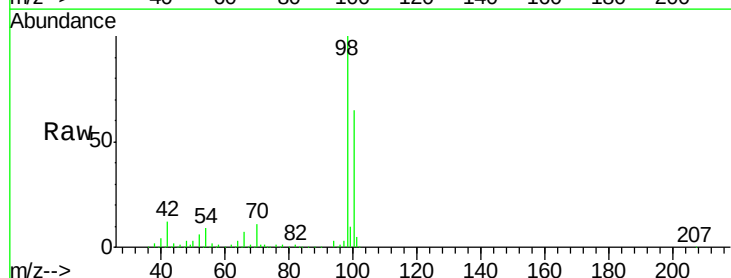
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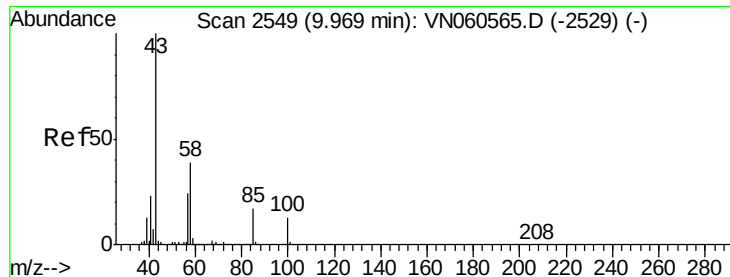
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





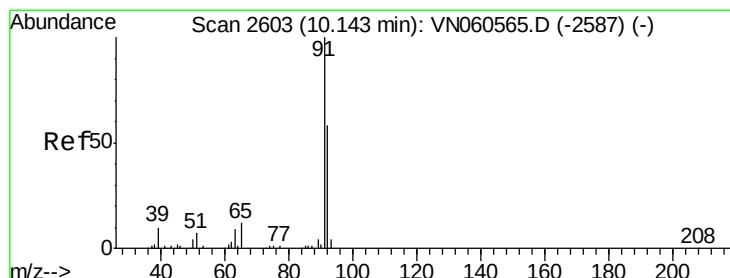
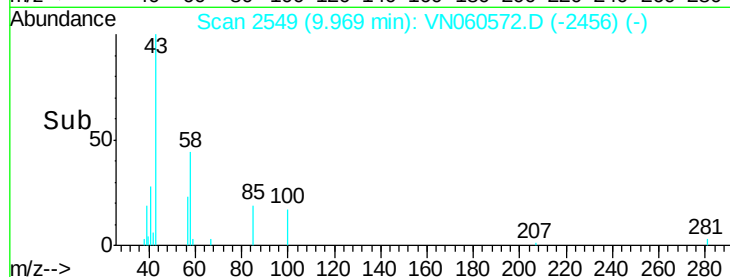
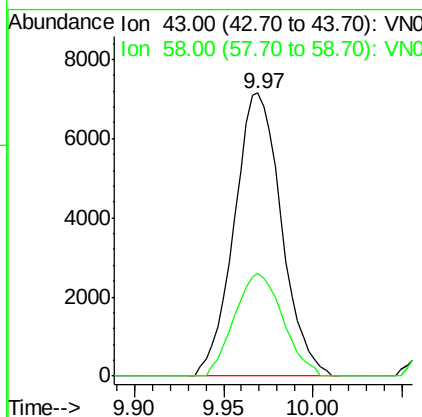
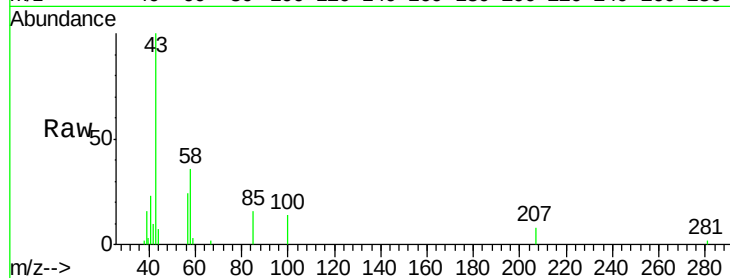
#51
 4-Methyl-2-Pentanone
 Concen: 3.734 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	43	Resp	13186
Ion Ratio	Lower	Upper	
43	100		
58	37.1	30.8	46.2

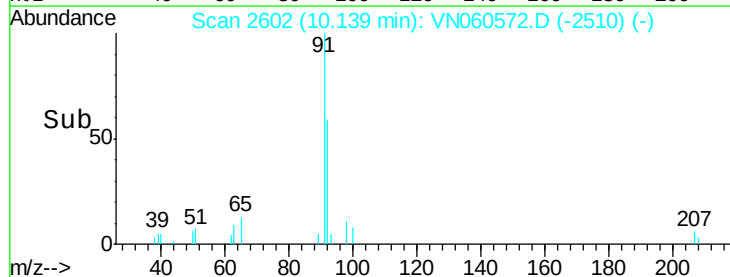
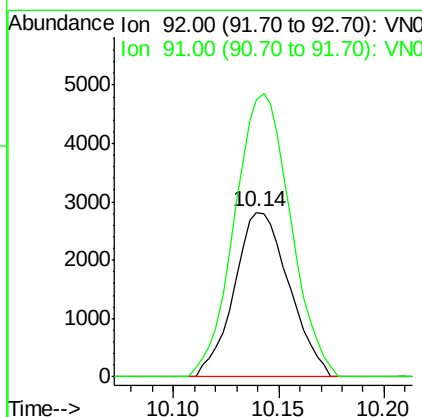
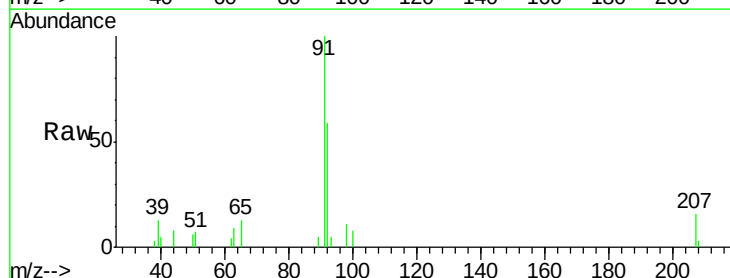
Manual Integrations
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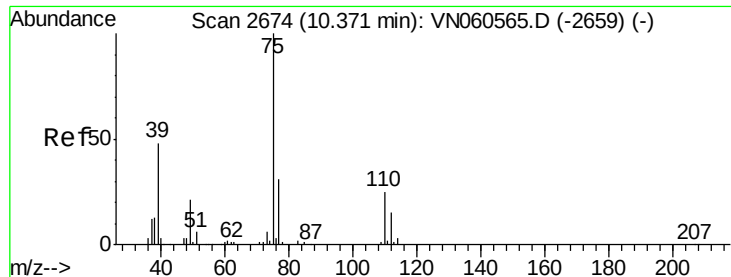
MMDadoda
 3/19/2020 1:02:19 PM



#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

Tgt Ion	92	Resp	5080
Ion Ratio	Lower	Upper	
92	100		
91	176.0	137.6	206.4





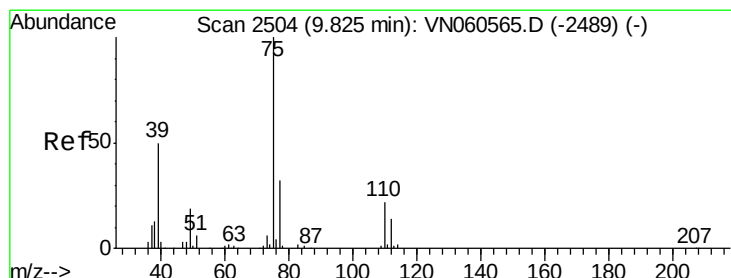
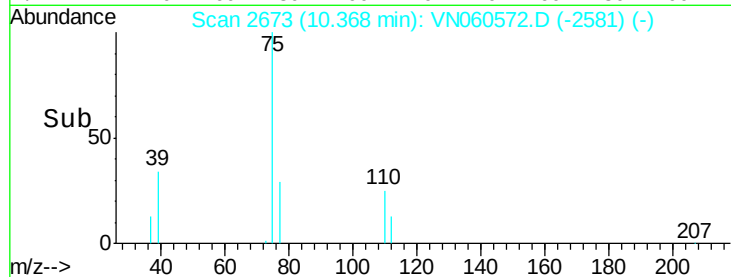
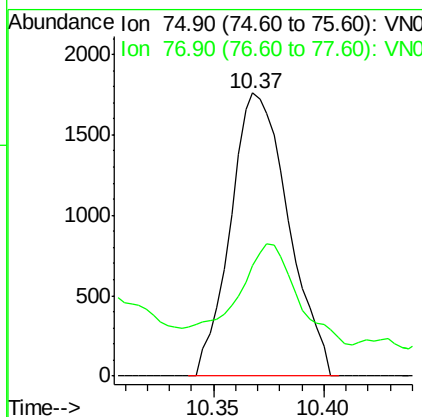
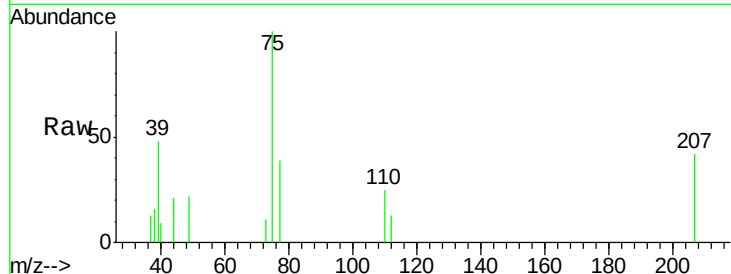
#53
t-1,3-Dichloropropene
Concen: 0.799 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion: 75 Resp: 3200
Ion Ratio Lower Upper
75 100
77 25.1 25.1 37.7#

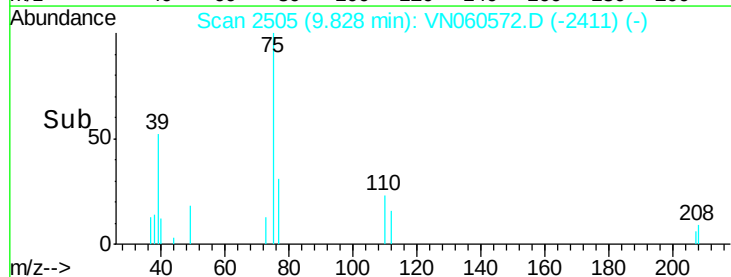
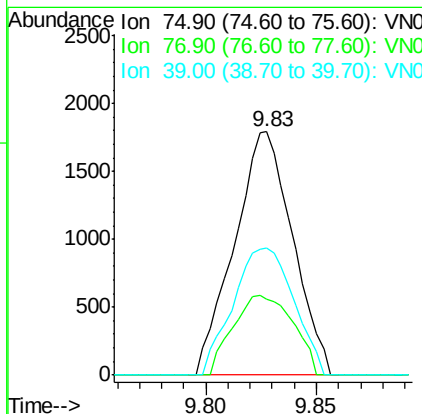
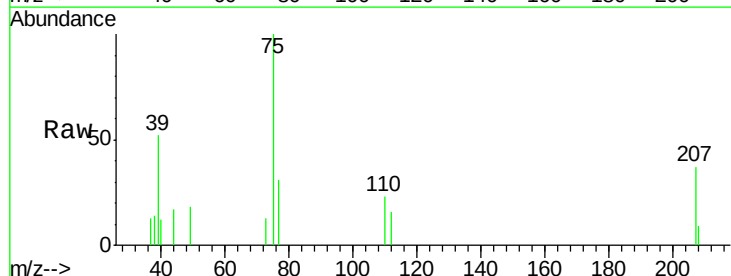
Manual Integrations
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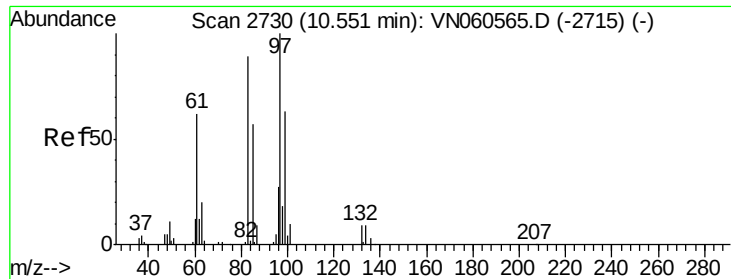
MMDadoda
3/19/2020 1:02:19 PM



#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

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





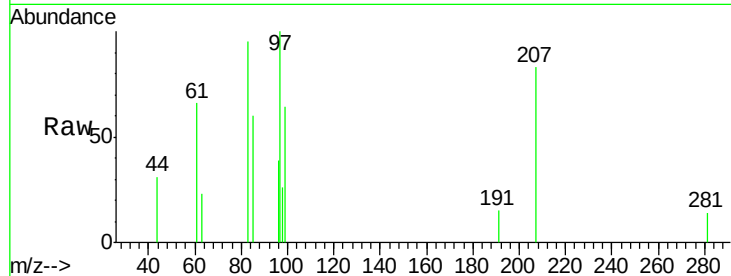
#55
 1,1,2-Trichloroethane
 Concen: 0.718 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot 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

Manual Integrations
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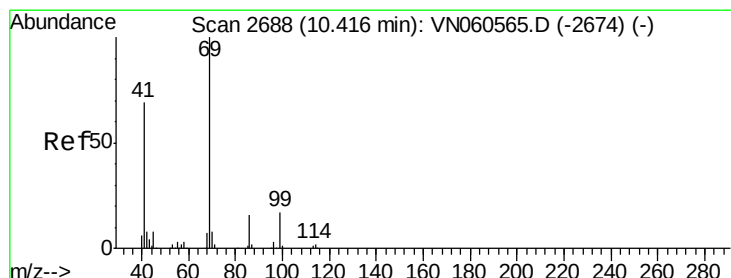
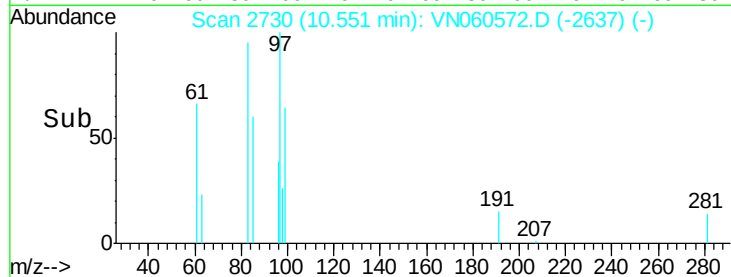
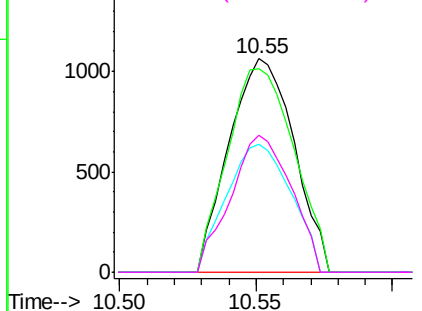


Abundance Ion 96.90 (96.60 to 97.60): VN060572.D (-2637) (-)

Ion 82.90 (82.60 to 83.60): VN060572.D (-2637) (-)

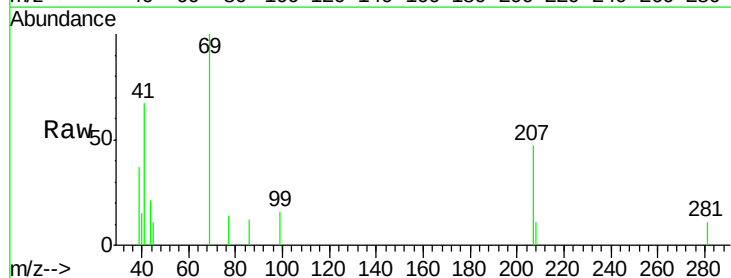
Ion 84.90 (84.60 to 85.60): VN060572.D (-2637) (-)

Ion 98.90 (98.60 to 99.60): VN060572.D (-2637) (-)



#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

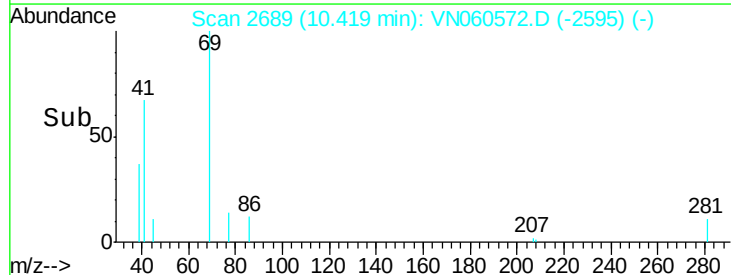
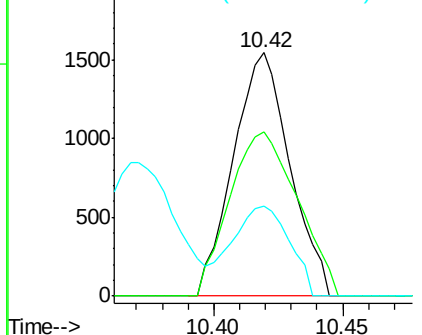
Tgt Ion:	69	Resp:	2358
Ion	Ratio	Lower	Upper
69	100		
41	81.1	55.4	83.2
39	38.3	29.4	44.0

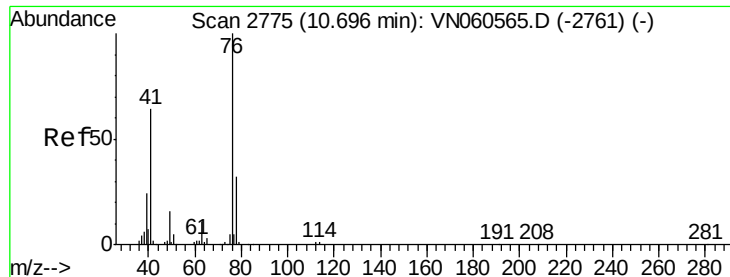


Abundance Ion 69.00 (68.70 to 69.70): VN060572.D (-2595) (-)

Ion 41.00 (40.70 to 41.70): VN060572.D (-2595) (-)

Ion 39.00 (38.70 to 39.70): VN060572.D (-2595) (-)





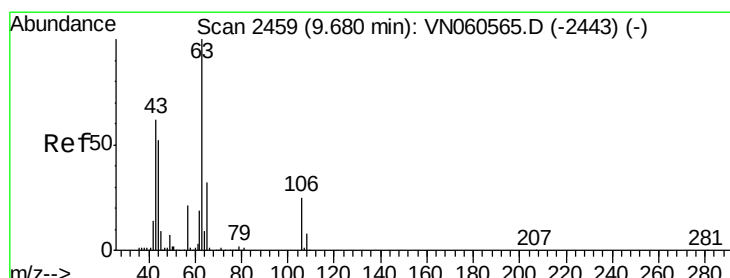
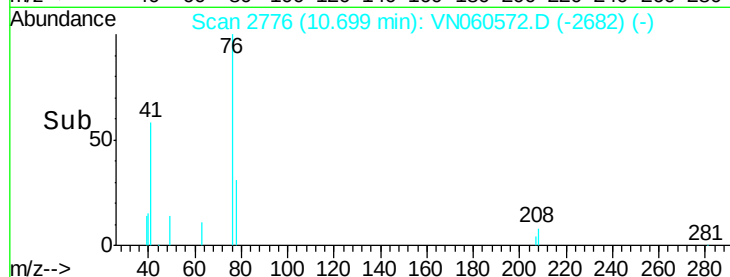
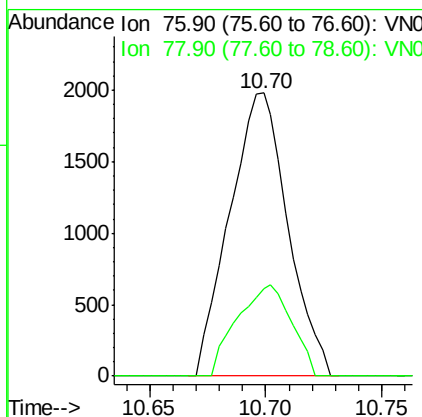
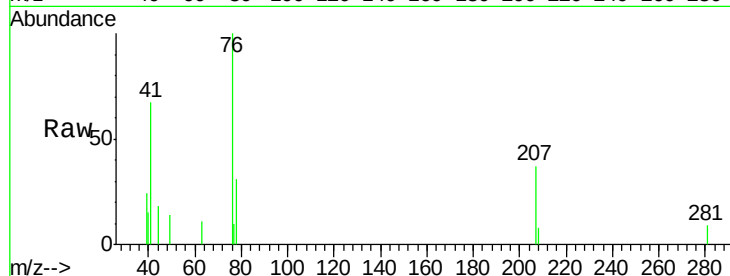
#57
 1,3-Dichloropropane
 Concen: 0.814 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	25.8	38.6

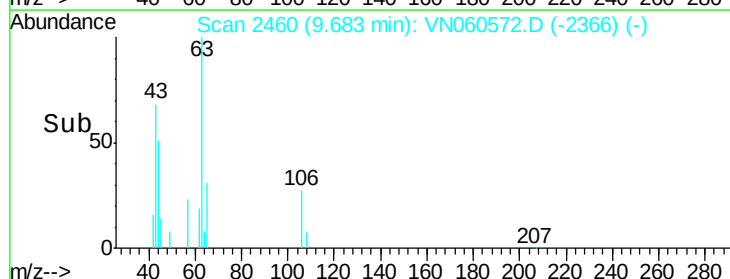
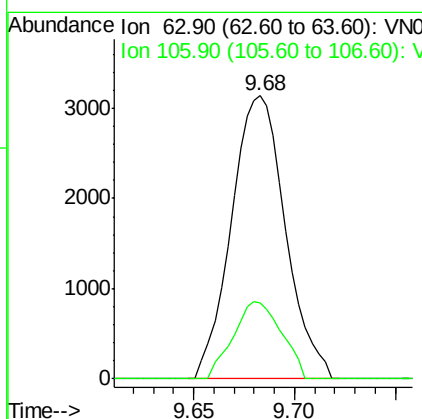
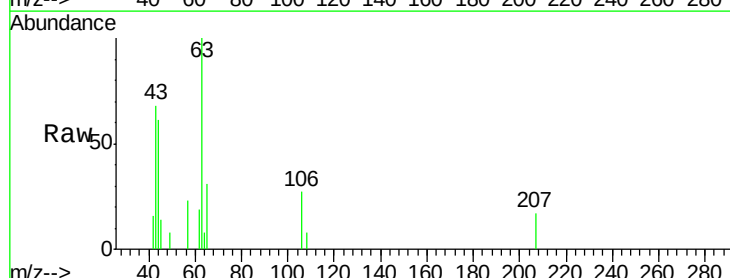
Manual Integrations
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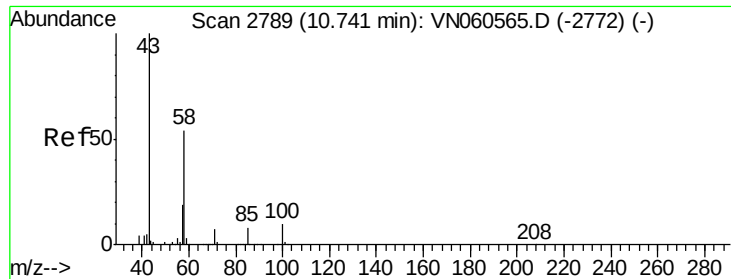
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 3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	20.0	30.0





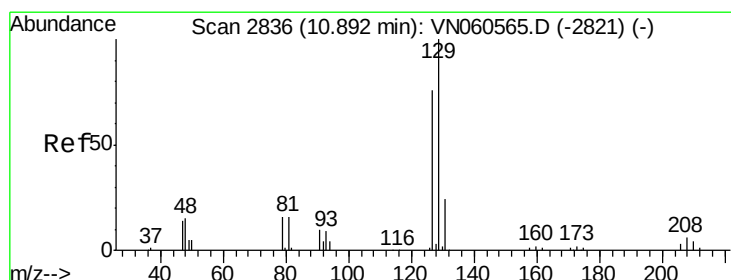
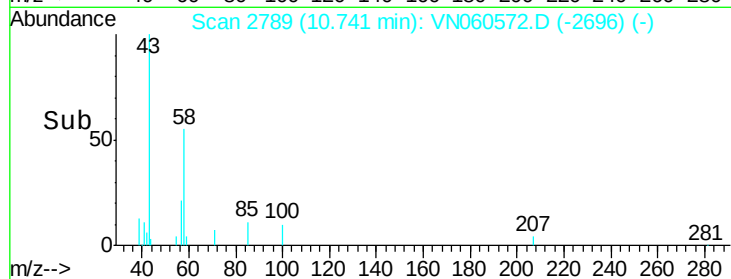
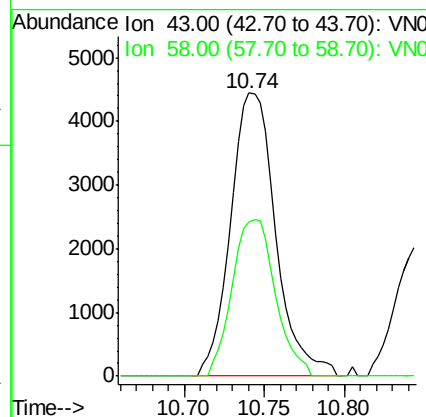
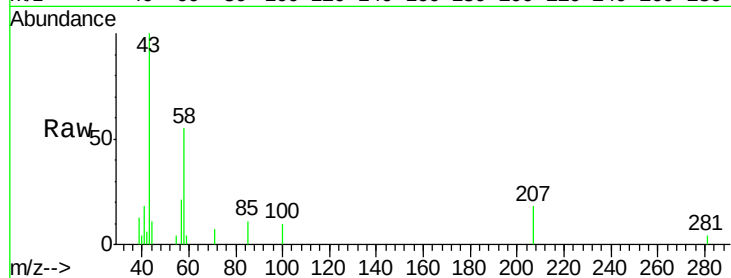
#59
2-Hexanone
Concen: 3.358 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion: 43 Resp: 8543
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1

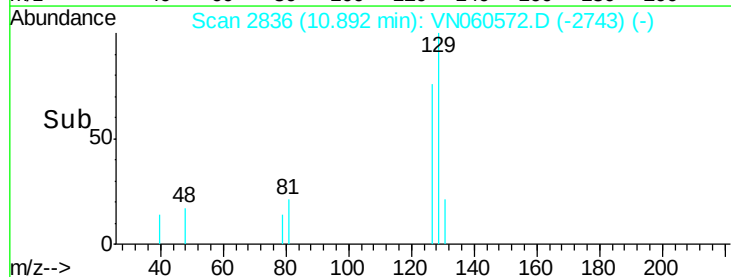
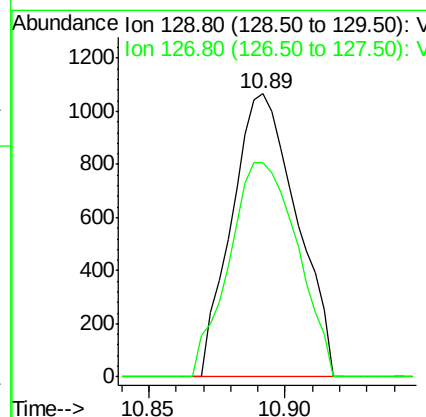
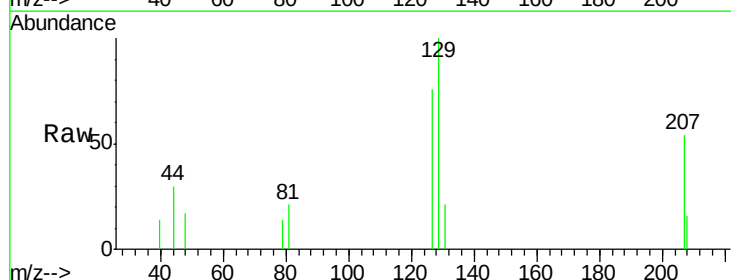
Manual Integrations
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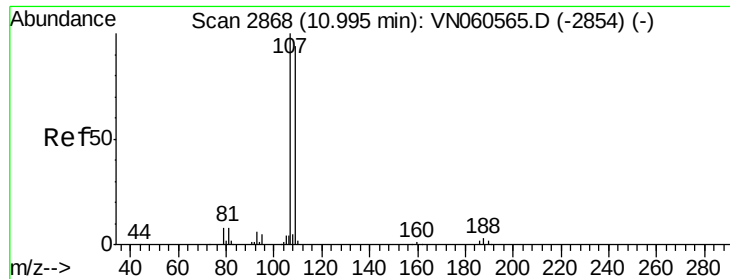
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#60
Dibromochloromethane
Concen: 0.697 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt 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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:107 Resp: 1793

Ion Ratio Lower Upper

107 100

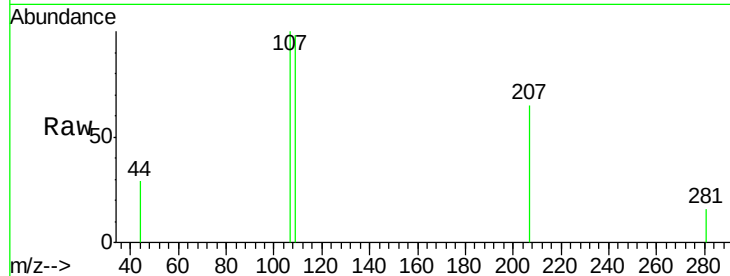
109 89.8 75.4 113.2

Manual Integrations

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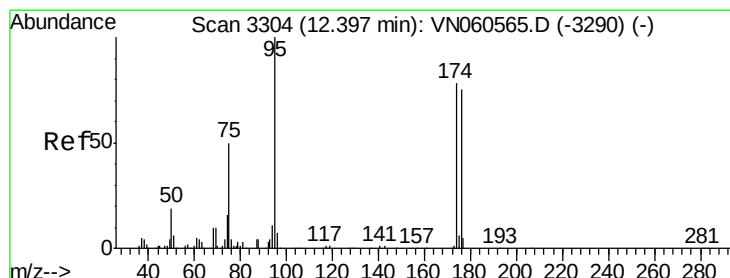
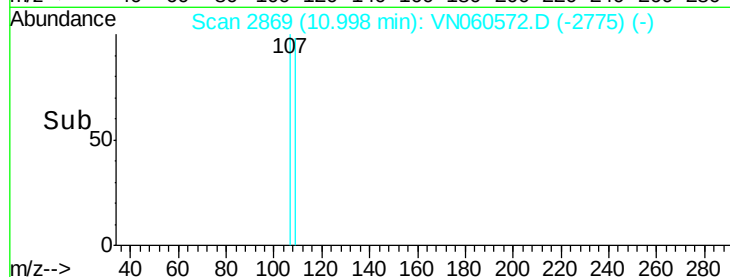
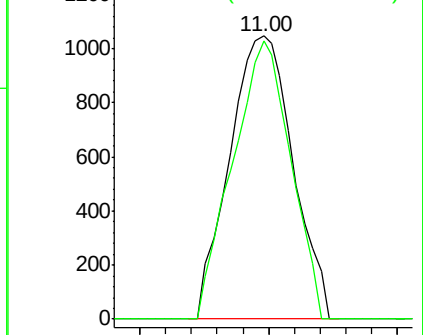
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#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

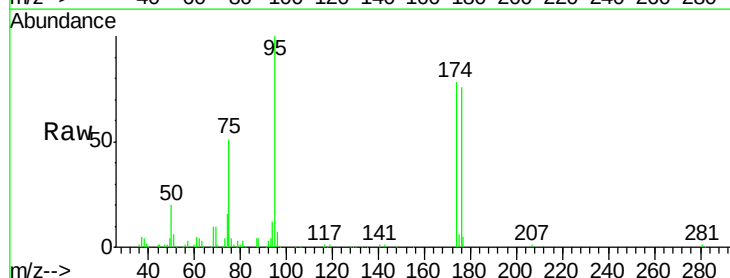
Tgt Ion: 95 Resp: 140260

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

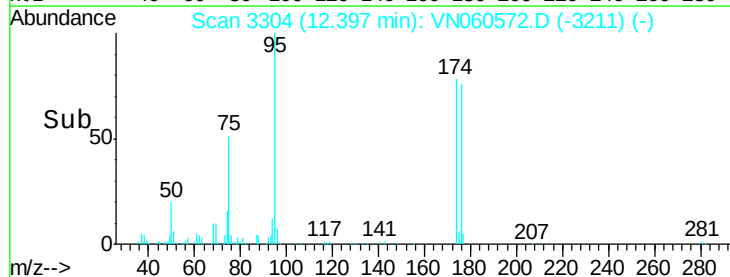
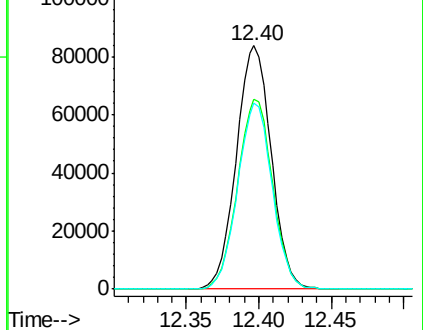
176 75.8 0.0 150.6

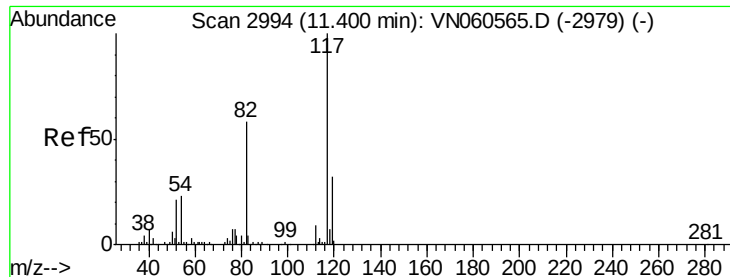


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





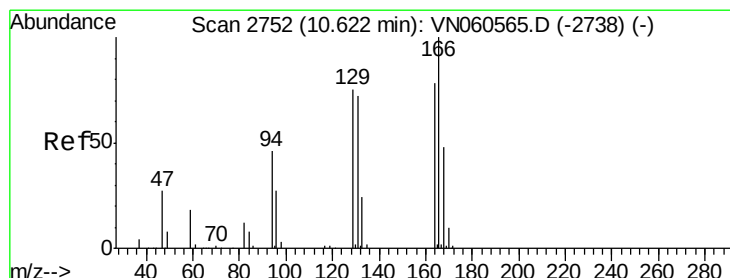
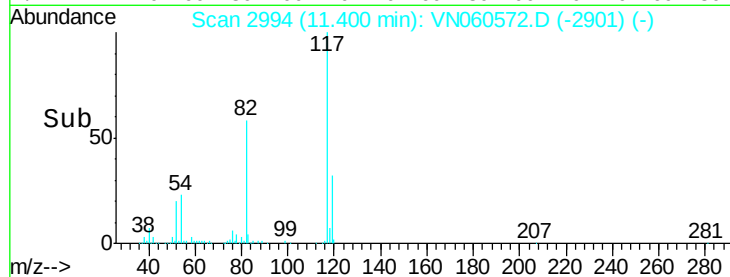
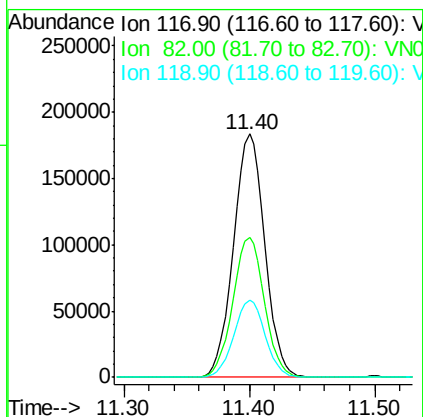
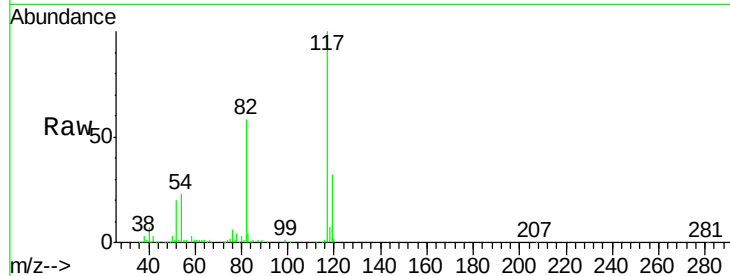
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.7	70.1
119	31.7	25.5	38.3

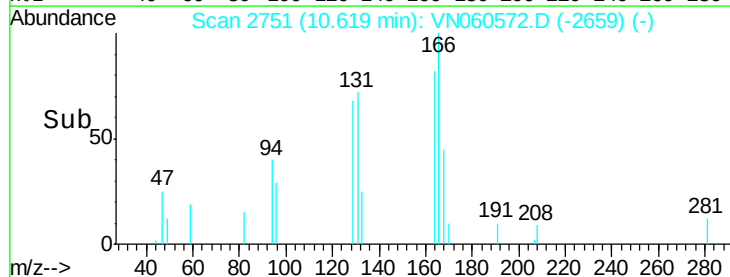
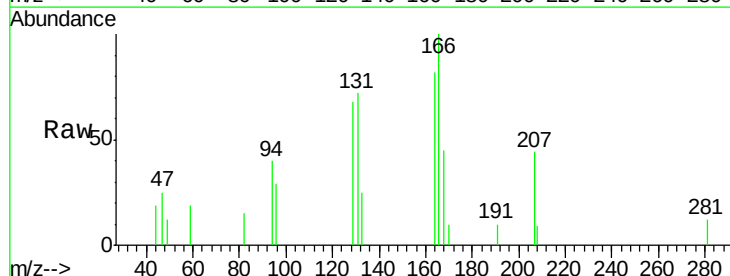
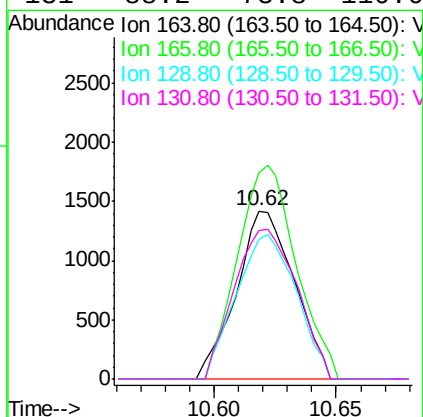
Manual Integrations
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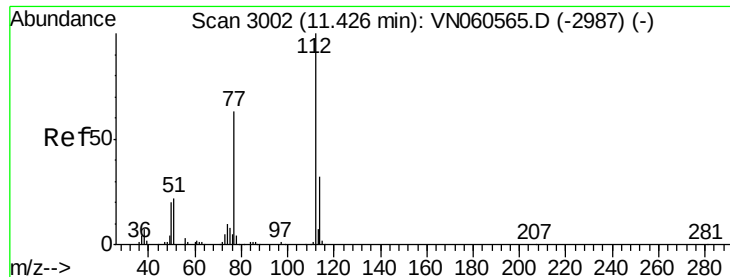
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#64
Tetrachloroethene
Concen: 0.934 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt 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





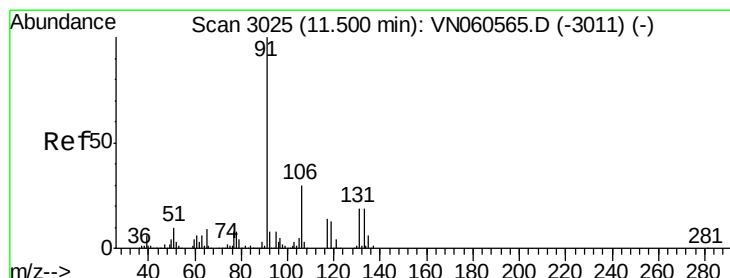
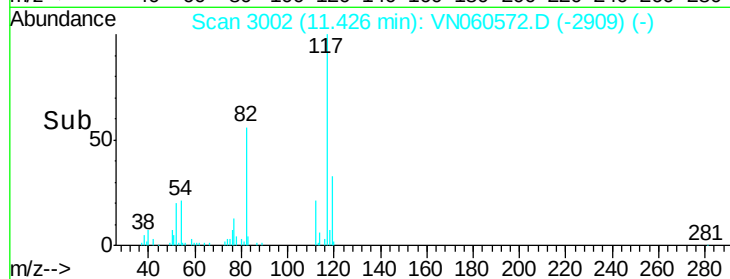
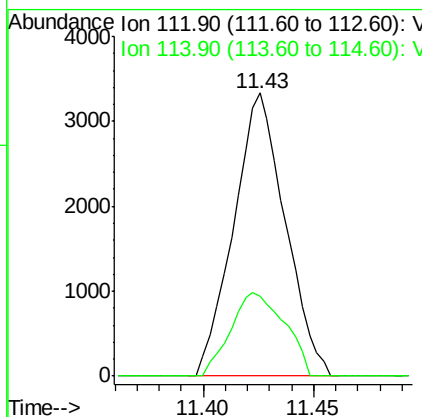
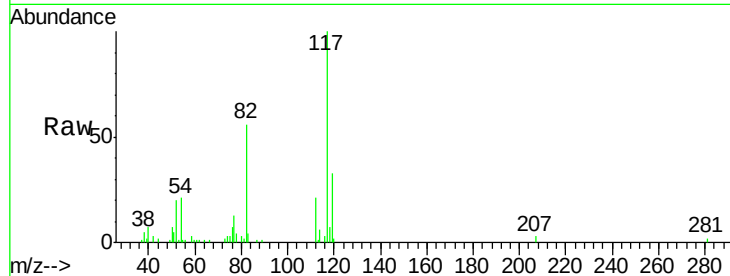
#65
Chlorobenzene
Concen: 0.857 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.3	25.8	38.6

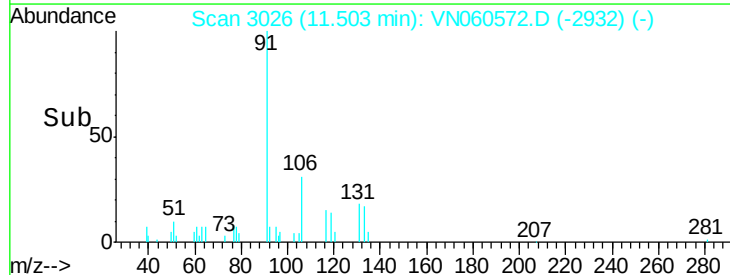
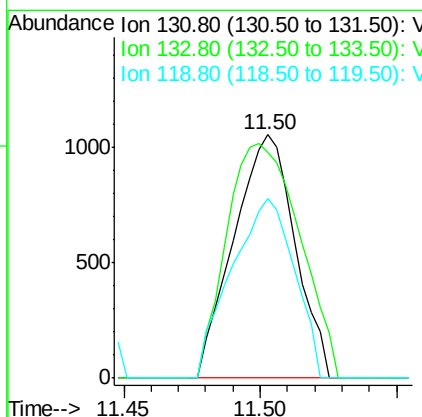
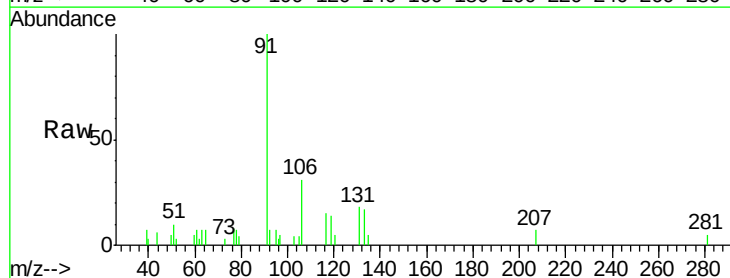
Manual Integrations
APPROVED

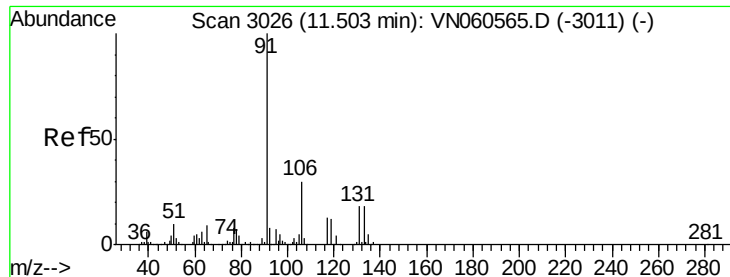
MMDadoda
3/19/2020 1:02:19 PM



#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

Tgt Ion	Ratio	Lower	Upper
131	100		
133	115.9	48.9	146.8
119	0.0	33.9	101.7#





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 9755

Ion Ratio Lower Upper

91 100

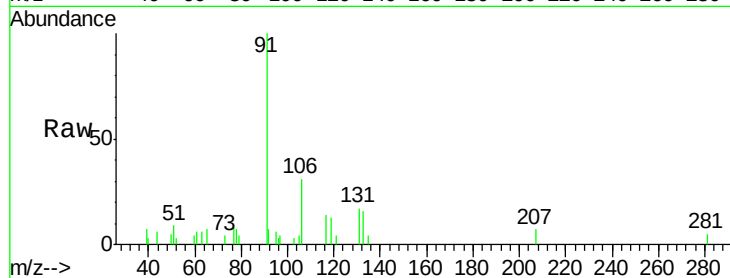
106 31.4 24.2 36.2

Manual Integrations

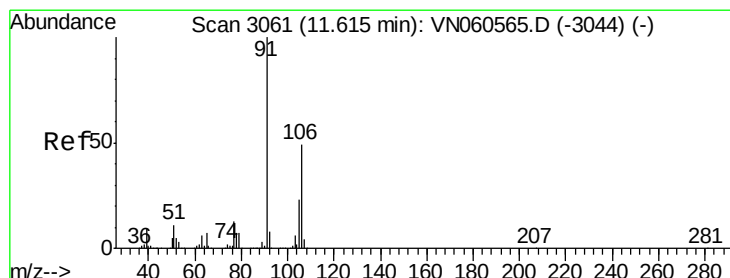
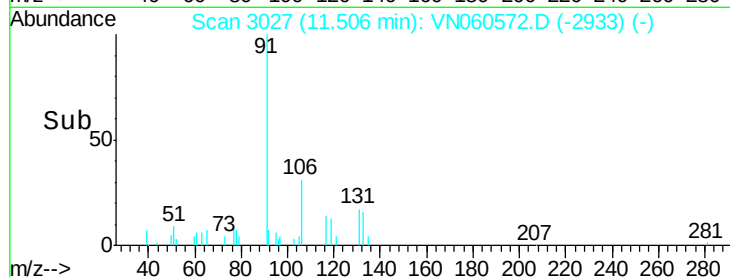
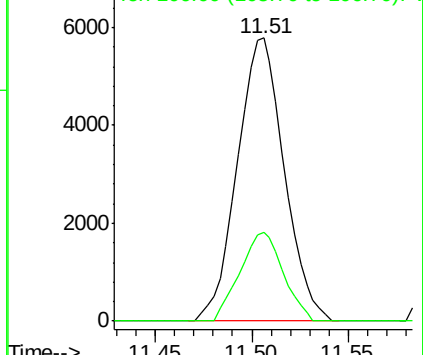
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Abundance Ion 91.00 (90.70 to 91.70): VN060572.D (-2933) (-)



#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

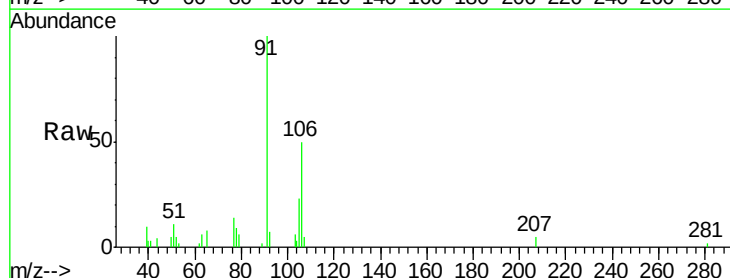
Acq: 17 Mar 2020 22:36

Tgt Ion: 106 Resp: 7007

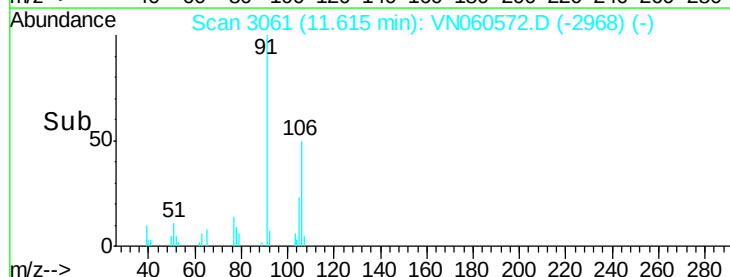
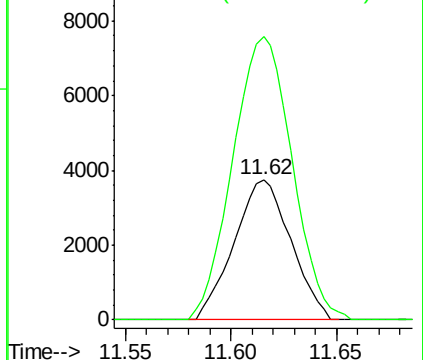
Ion Ratio Lower Upper

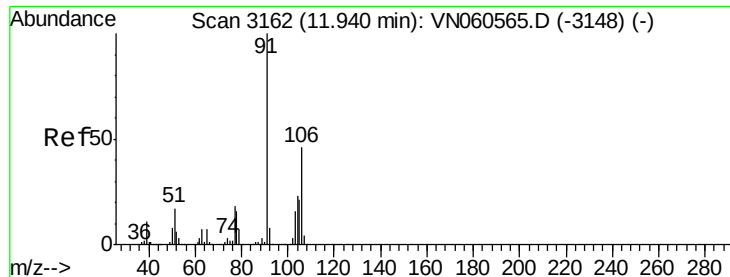
106 100

91 211.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060572.D (-2968) (-)





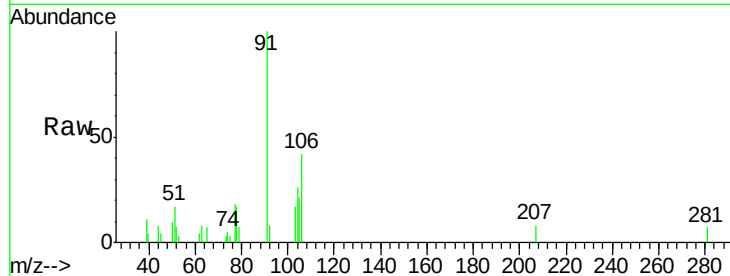
#69
o-Xylene
Concen: 0.796 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

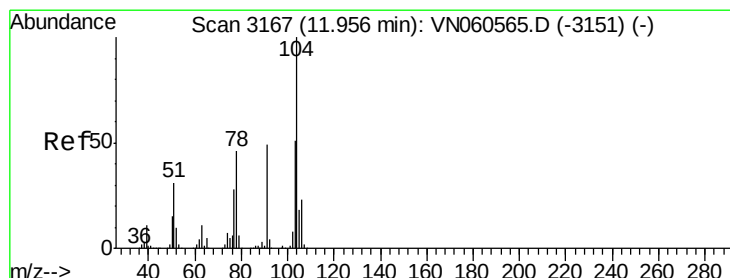
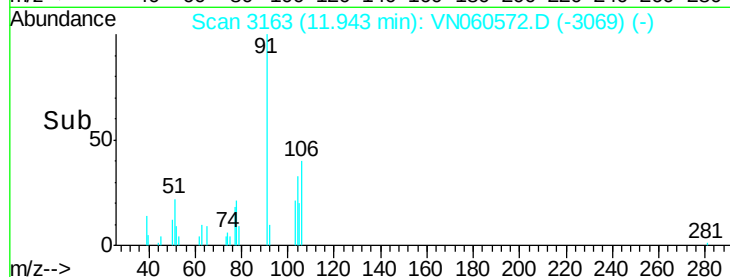
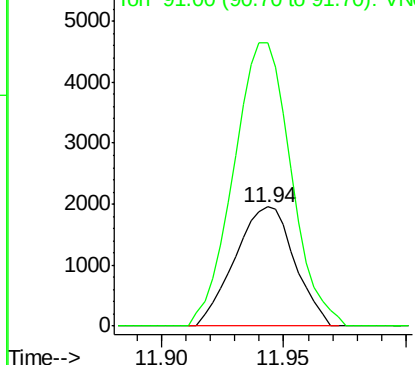
Tot Ion:106 Resp: 3308
Ion Ratio Lower Upper
106 100
91 229.2 109.5 328.4

Manual Integrations
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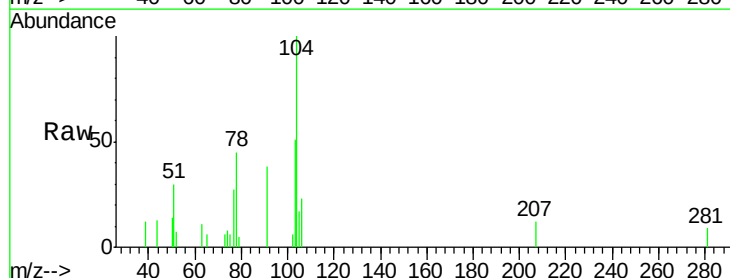


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

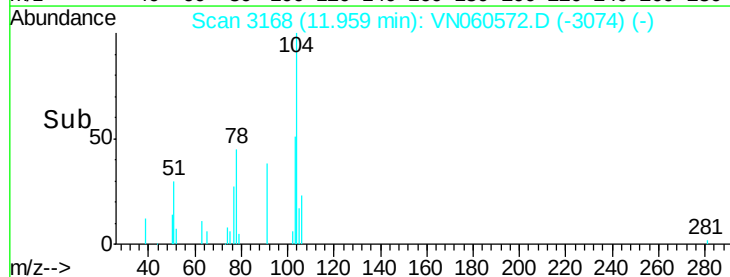
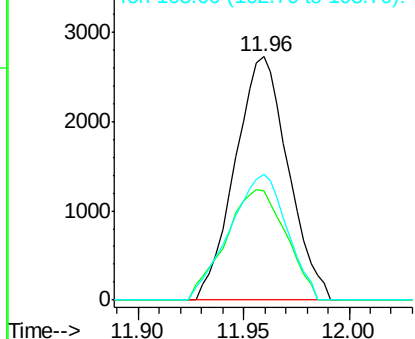


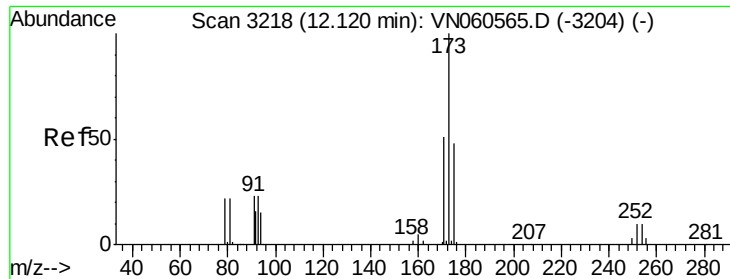
#70
Styrene
Concen: 0.702 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt 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

Instrument :

MSVOA_N

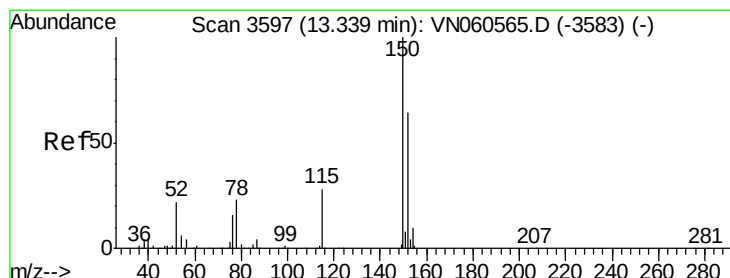
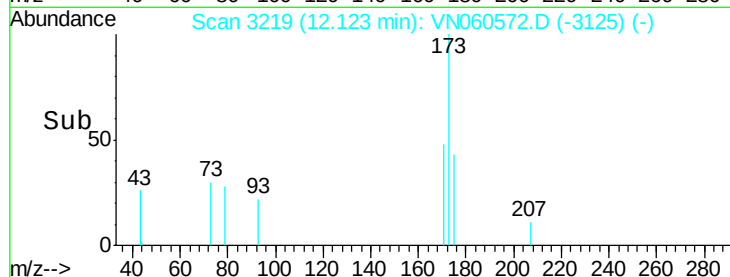
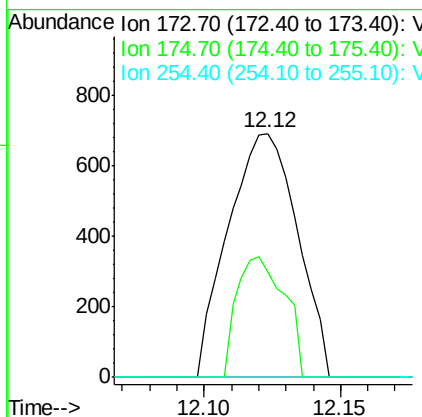
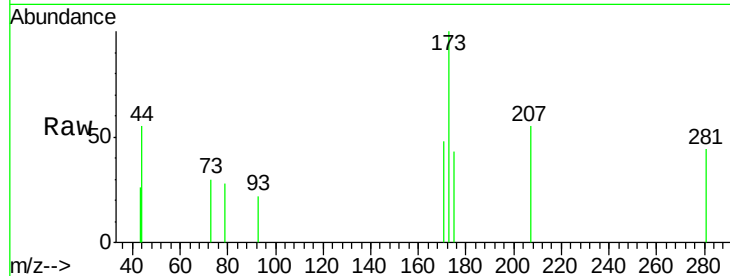
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	173	Resp:	1216
Ion Ratio	Lower	Upper	
173	100		
175	34.1	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

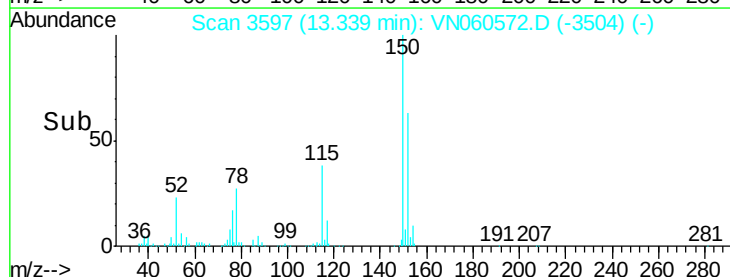
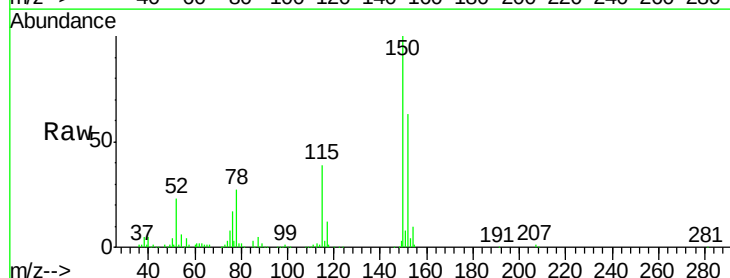
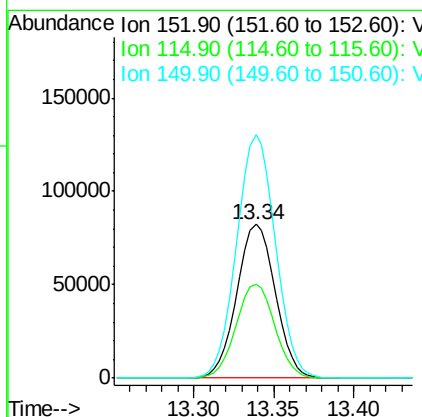
RT: 13.34 min Scan# 3597

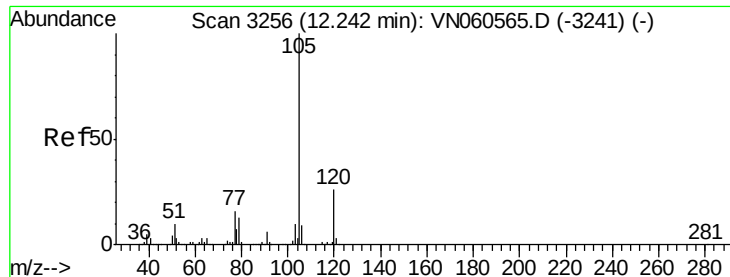
Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt Ion:	152	Resp:	135231
Ion Ratio	Lower	Upper	
152	100		
115	61.2	30.2	90.6
150	159.1	0.0	350.2





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 105 Resp: 8753

Ion Ratio Lower Upper

105 100

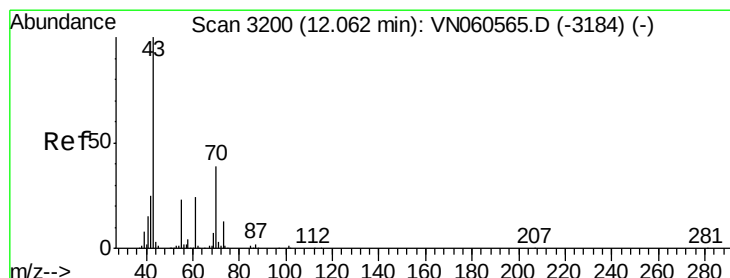
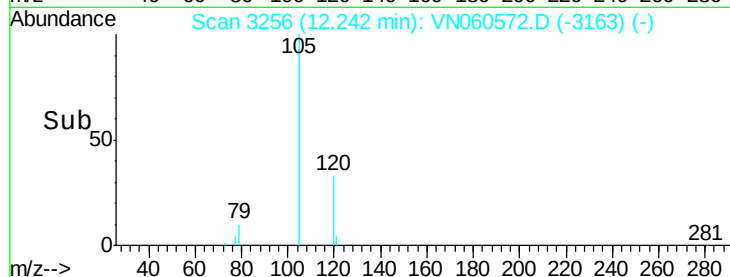
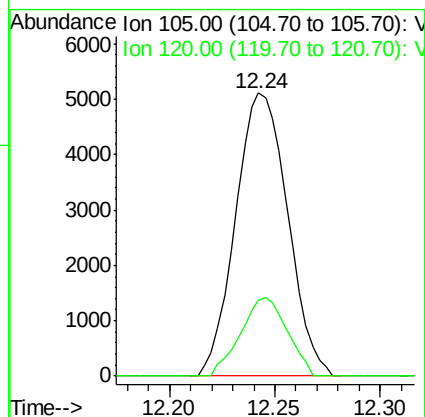
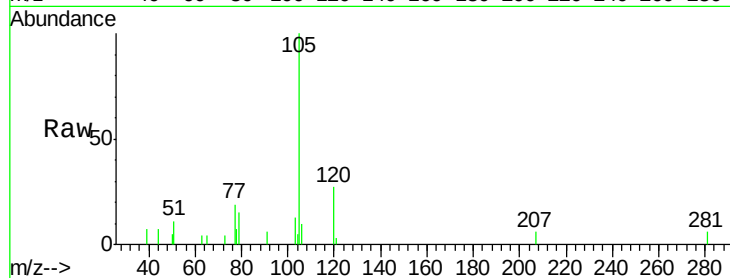
120 24.8 13.1 39.1

Manual Integrations

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#74

N-ethyl 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

Tgt Ion: 43 Resp: 3784

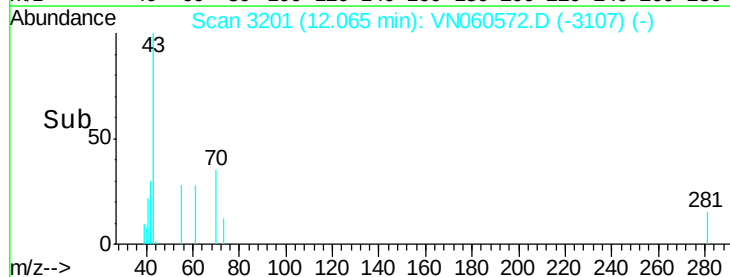
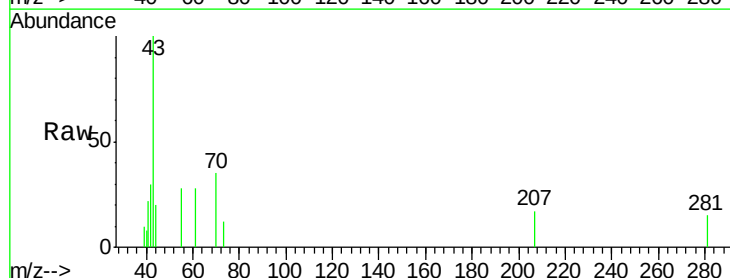
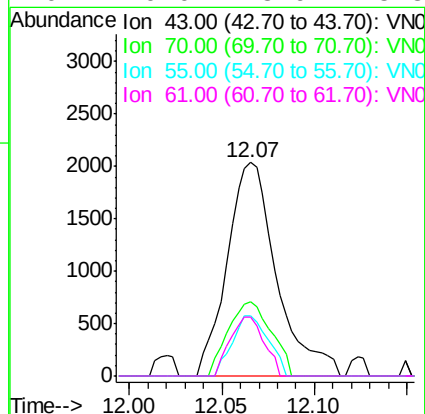
Ion Ratio Lower Upper

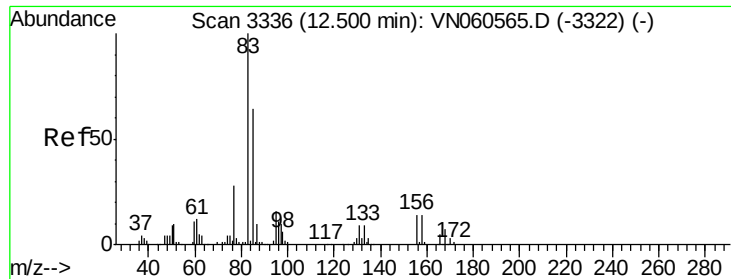
43 100

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

Instrument :

MSVOA_N

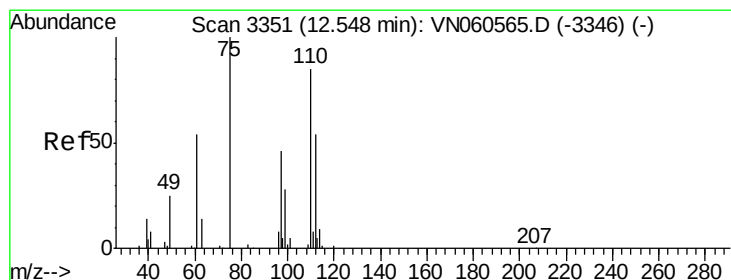
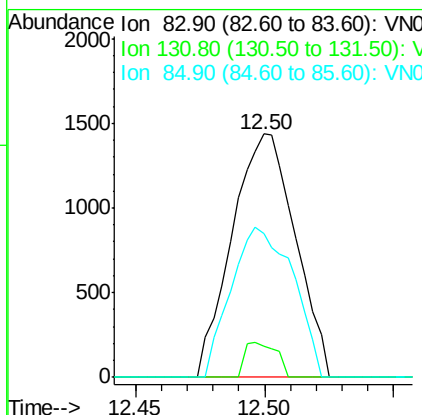
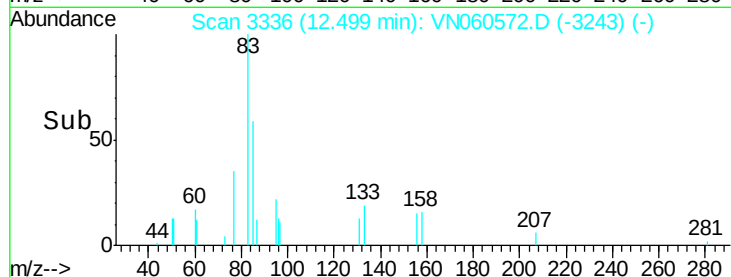
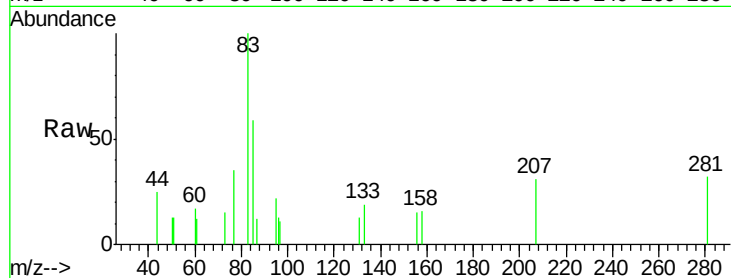
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

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

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.830 ug/l m

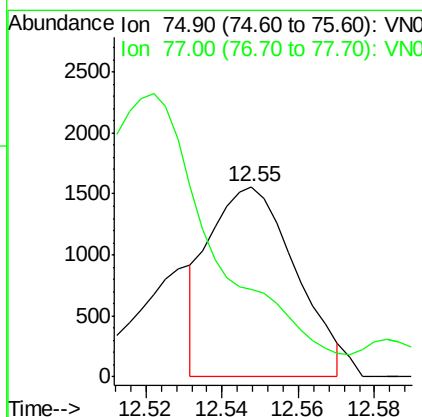
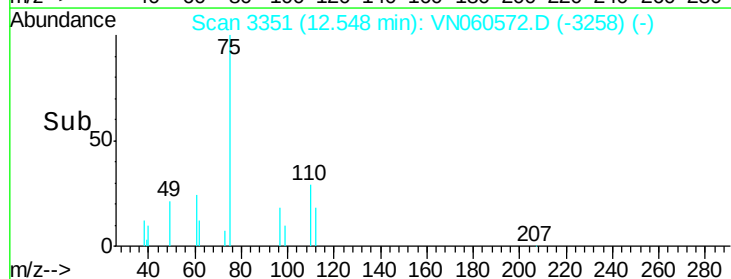
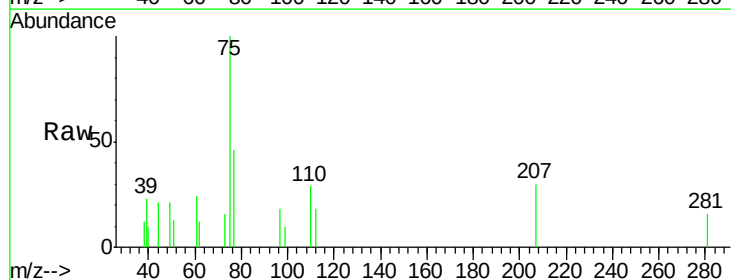
RT: 12.55 min Scan# 3351

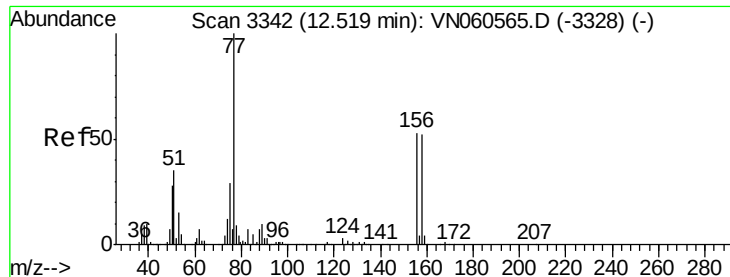
Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt Ion:	75	Resp:	2423
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

Instrument :

MSVOA_N

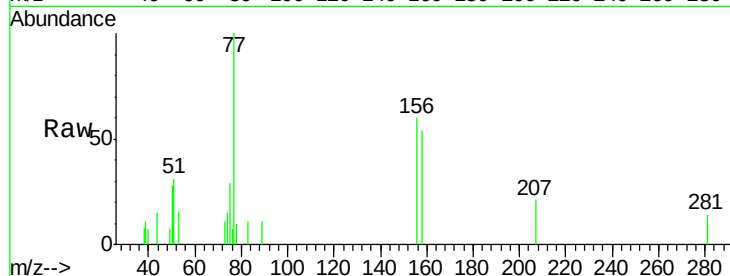
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

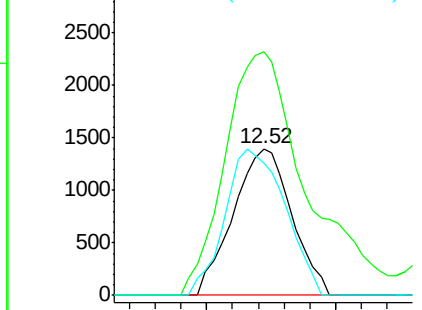
Tot Ion:	156	Resp:	2212
Ion Ratio	Lower	Upper	
156	100		
77	231.1	112.3	337.0
158	102.5	48.6	145.8

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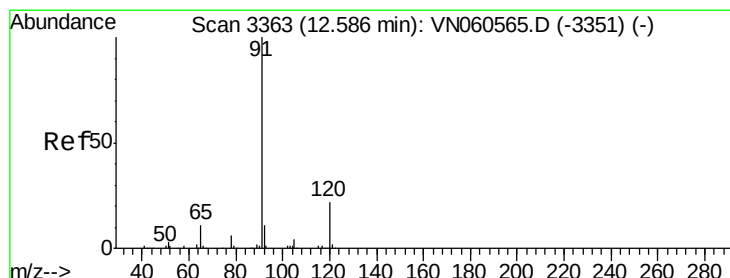
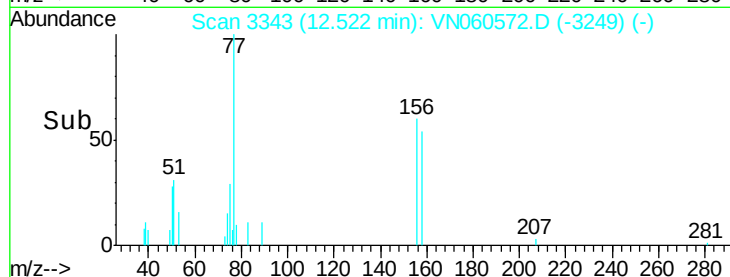
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 0.841 ug/l

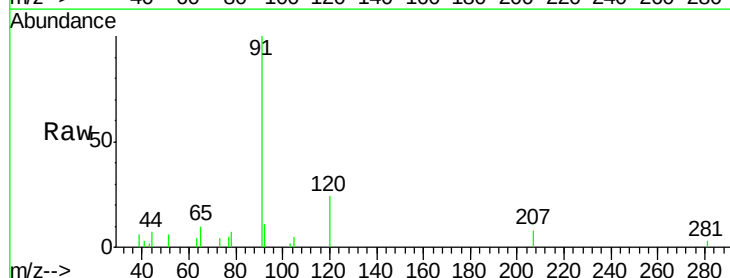
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

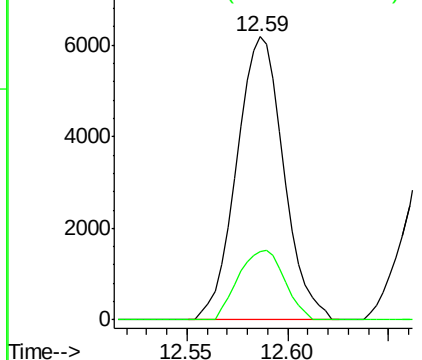
Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

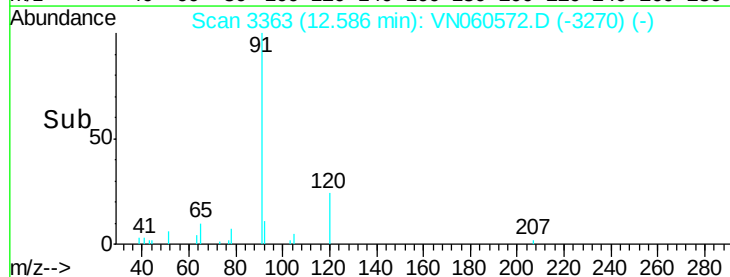
Tgt Ion:	91	Resp:	10089
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.3	33.8

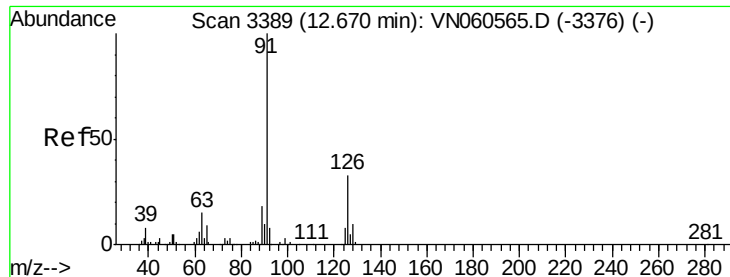


Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V



Time-->





#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

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 6285

Ion Ratio Lower Upper

91 100

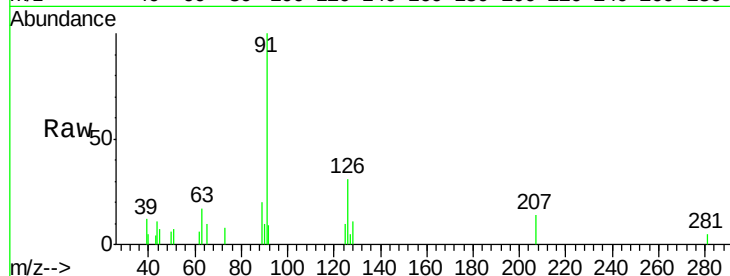
126 31.1 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060572.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060572.D (-3296) (-)

12.67

4000

3000

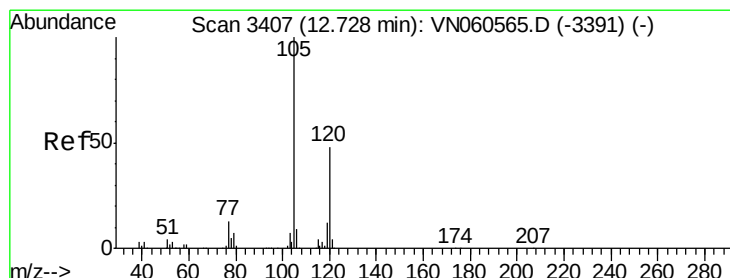
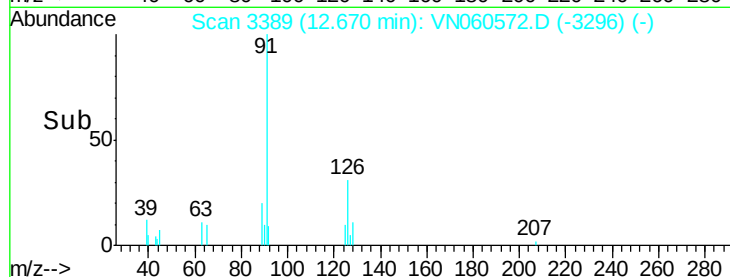
2000

1000

0

12.65 12.70

Time-->



#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

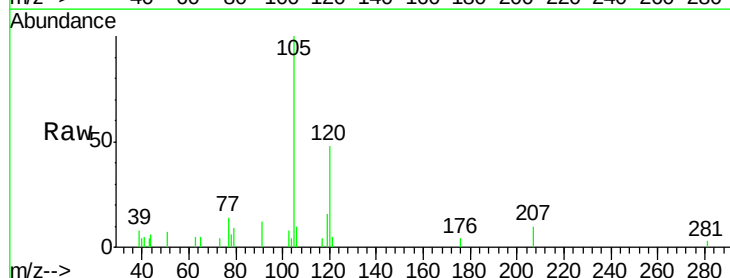
Acq: 17 Mar 2020 22:36

Tgt 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): VN060572.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060572.D (-3314) (-)

12.73

5000

4000

3000

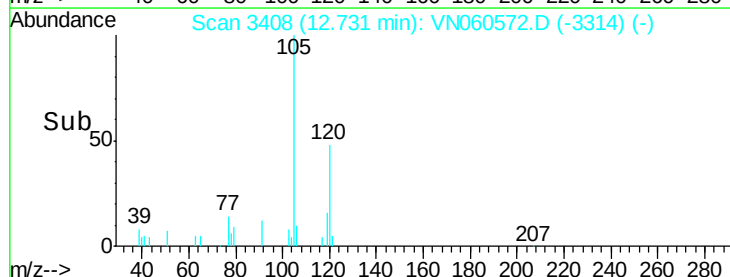
2000

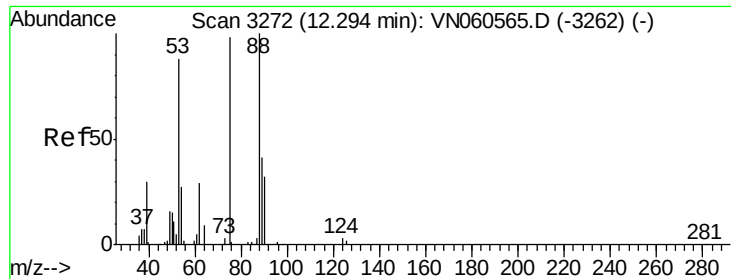
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.674 ug/l m

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Instrument :

MSVOA_N

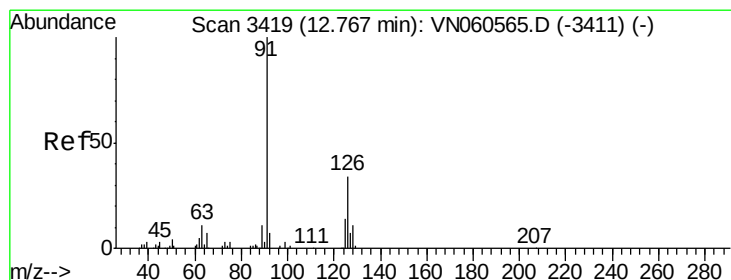
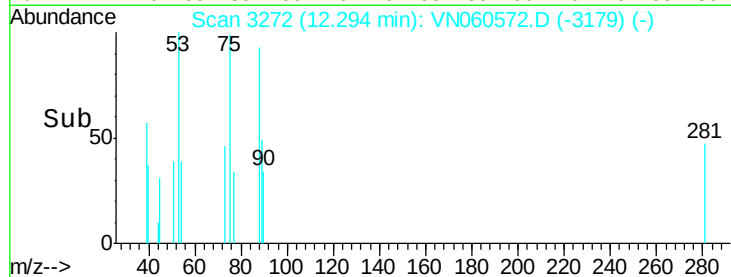
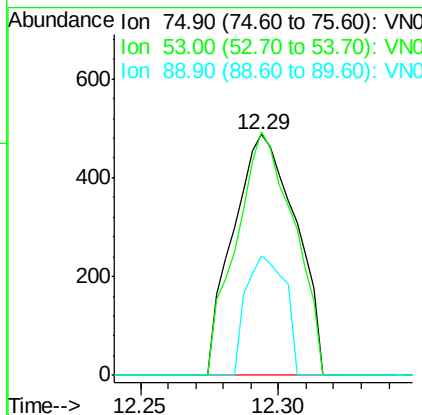
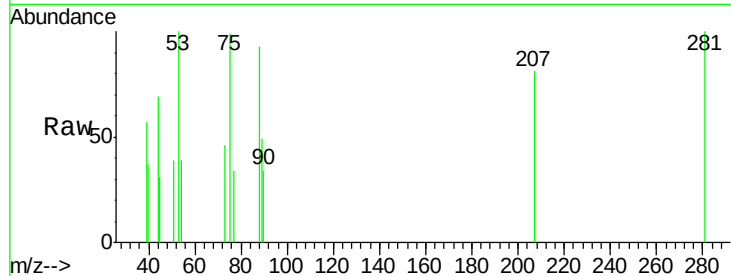
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	75	Resp:	766
Ion Ratio	Lower	Upper	
75	100		
53	0.0	73.0	109.4#
89	0.0	34.8	52.2#

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#82

4-Chlorotoluene

Concen: 0.921 ug/l

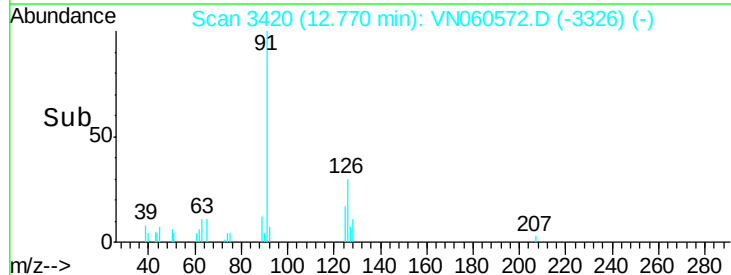
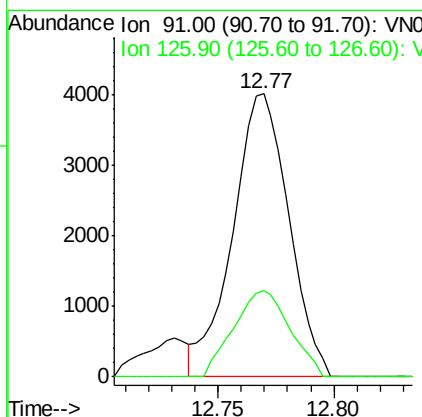
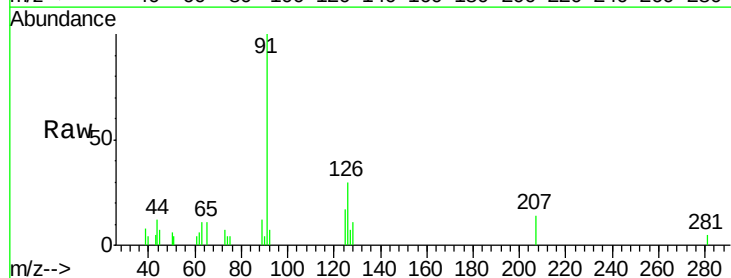
RT: 12.77 min Scan# 3420

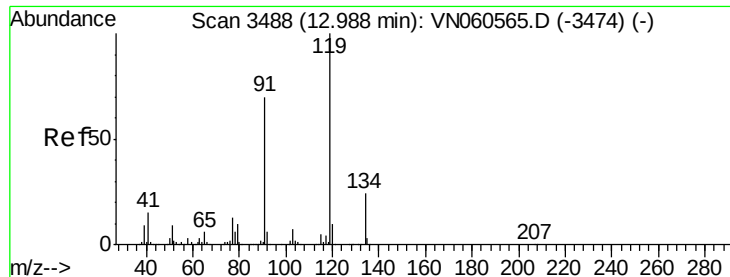
Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

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





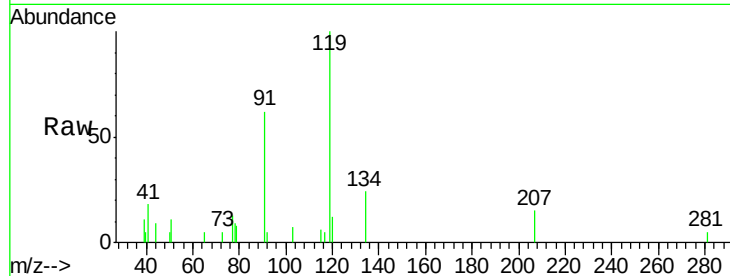
#83
 tert-Butylbenzene
 Concen: 0.856 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

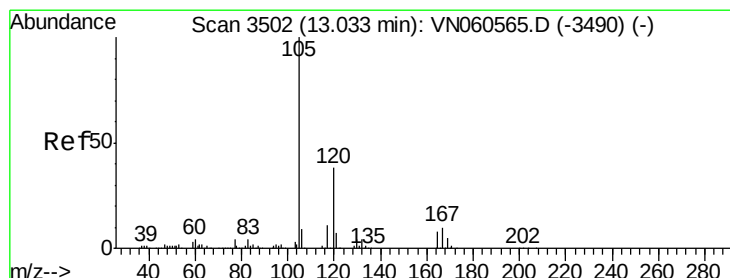
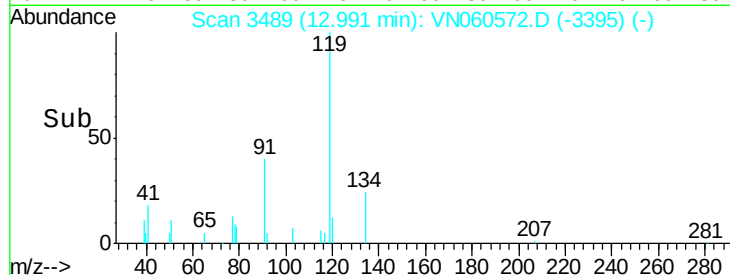
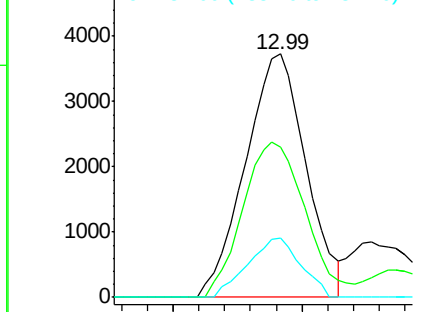
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	34.0	101.8
134	21.3	12.7	38.0

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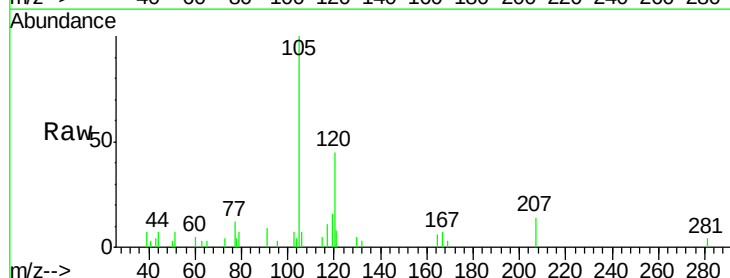


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

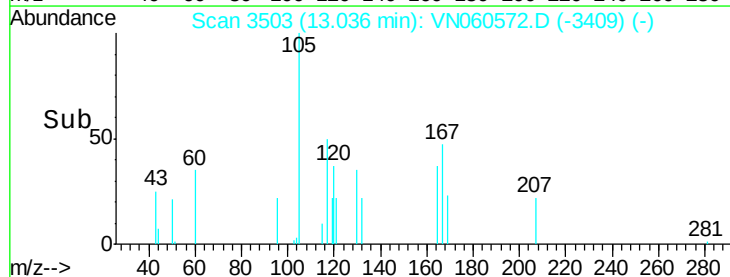
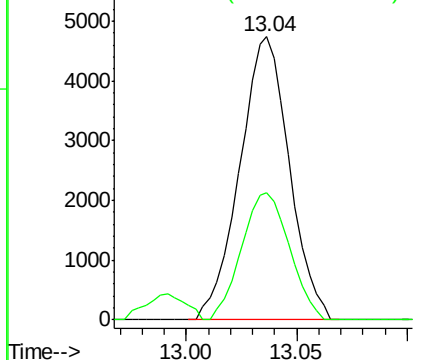


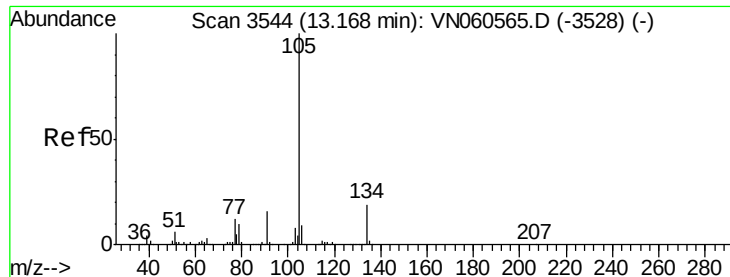
#84
 1,2,4-Trimethylbenzene
 Concen: 0.870 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.5



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





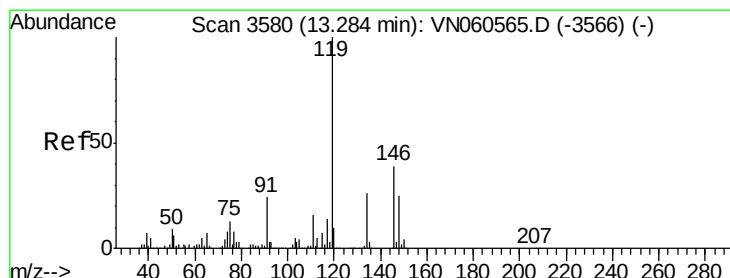
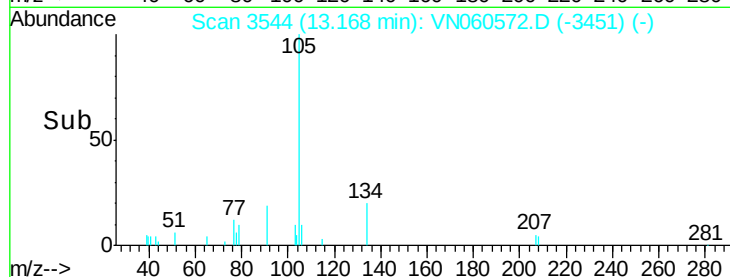
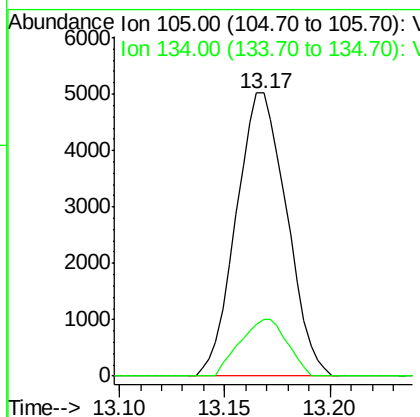
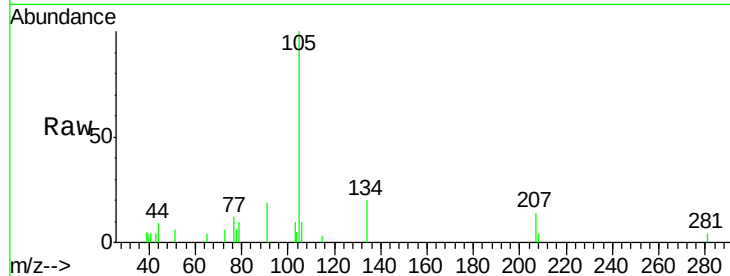
#85
 sec-Butylbenzene
 Concen: 0.869 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.8

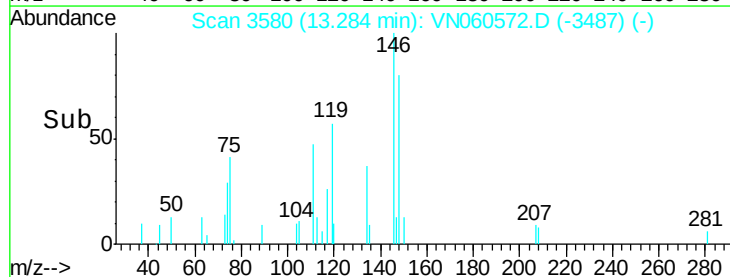
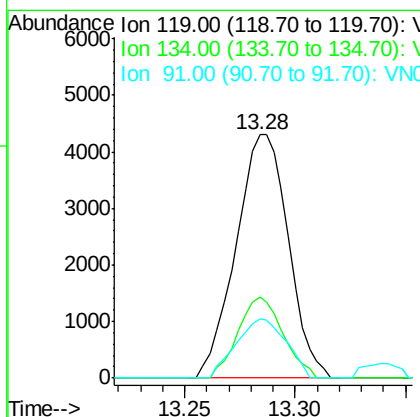
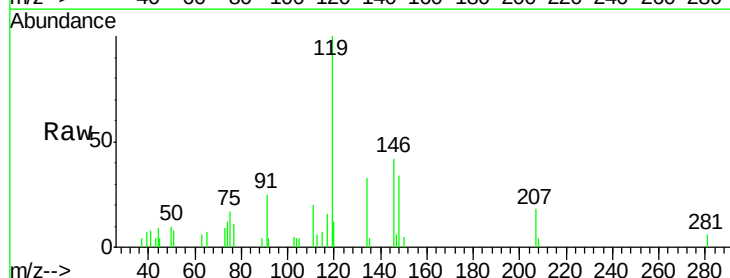
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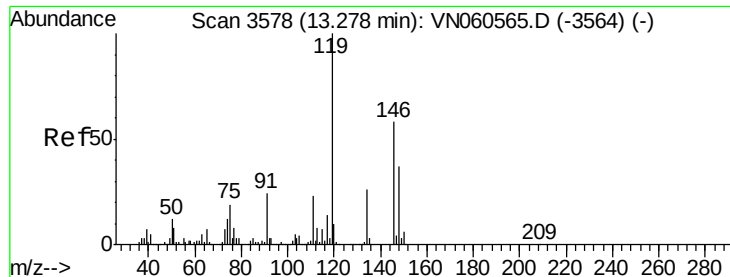
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#86
 p-Isopropyltoluene
 Concen: 0.818 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.8	13.0	39.0
91	23.2	12.0	36.0





#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

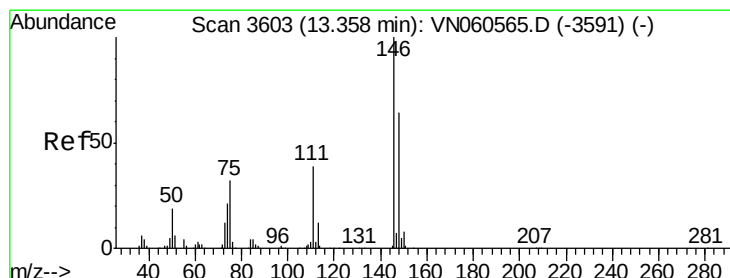
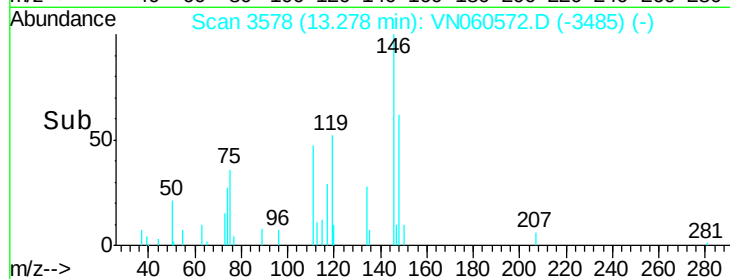
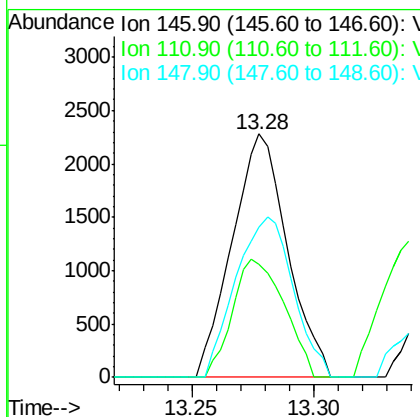
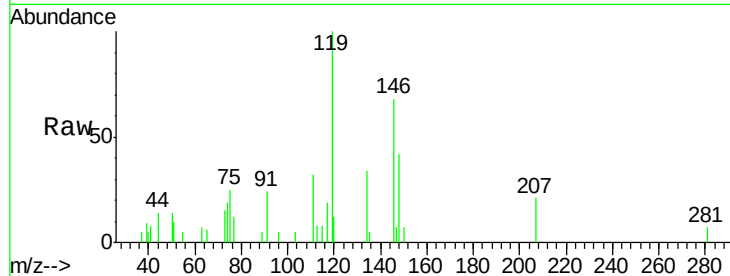
Instrument :
MSVOA_N

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	20.3	60.8
148	68.6	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 0.965 ug/l m

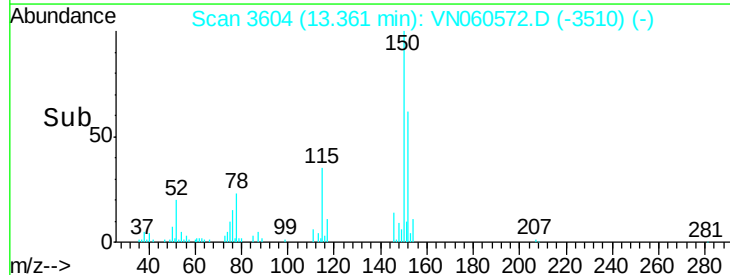
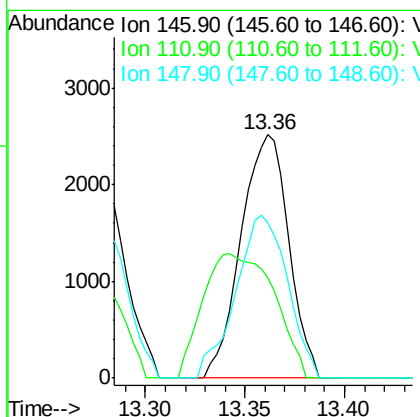
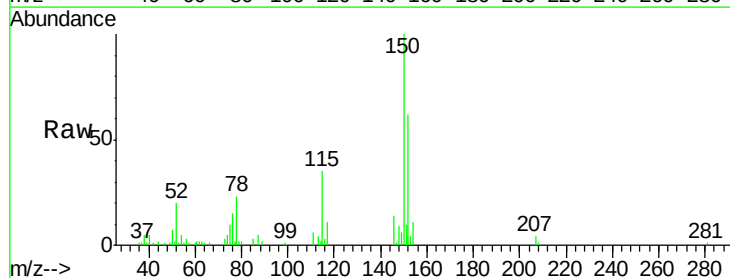
RT: 13.36 min Scan# 3604

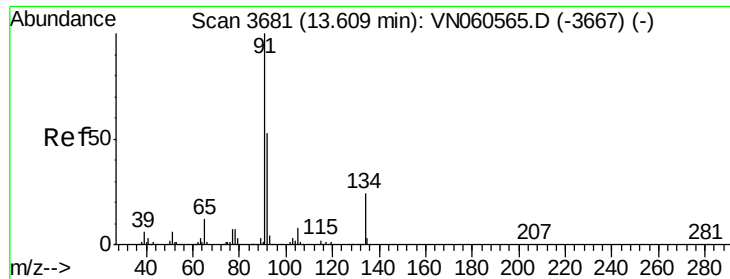
Delta R.T. 0.00 min

Lab File: VN060572.D

Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	58.7	32.1	96.3





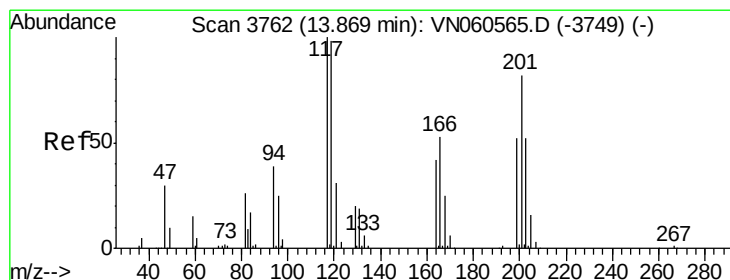
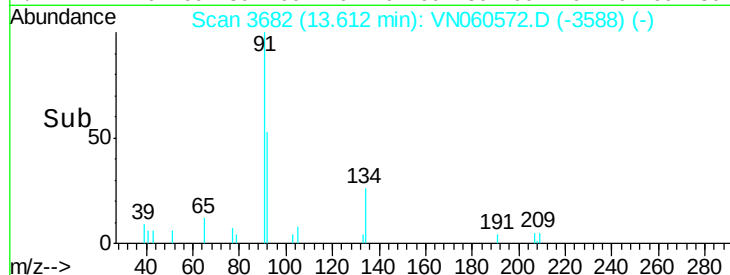
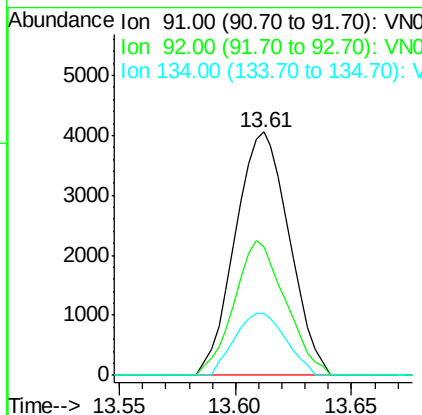
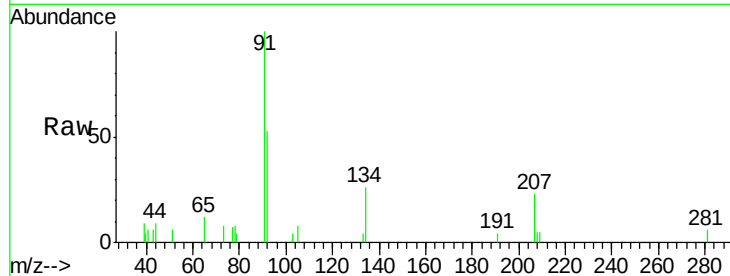
#89
n-Butylbenzene
Concen: 0.841 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.0	12.3	36.9

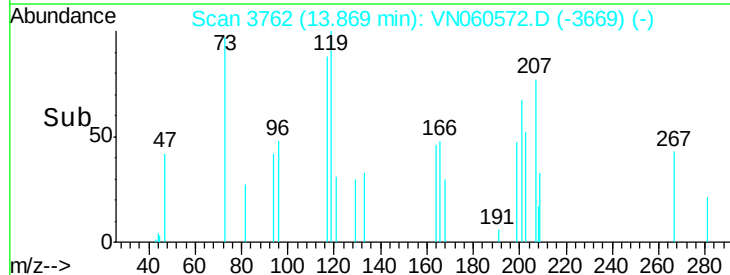
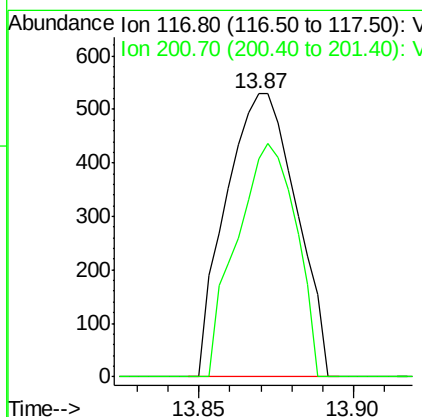
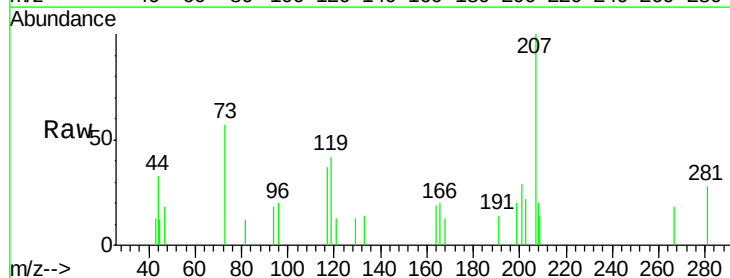
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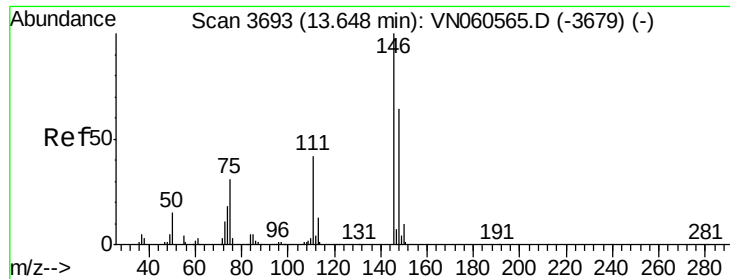
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#90
Hexachloroethane
Concen: 0.667 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	40.8	122.5





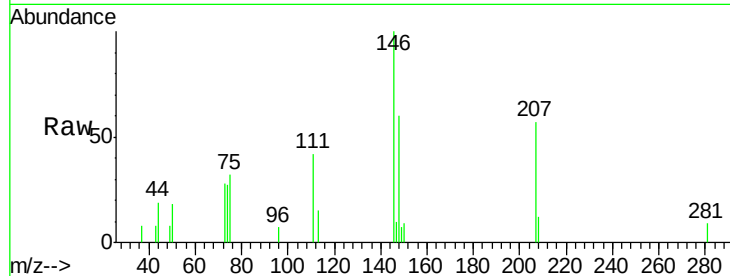
#91
 1,2-Dichlorobenzene
 Concen: 0.896 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.0	63.0
148	59.7	31.9	95.5

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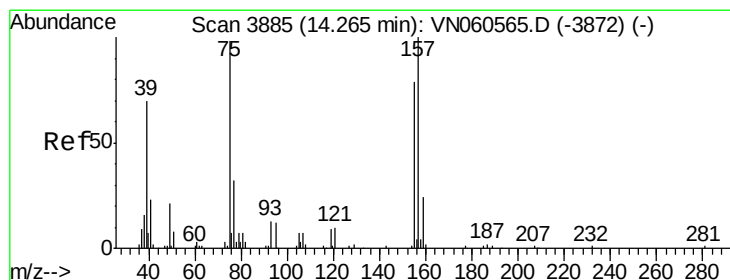
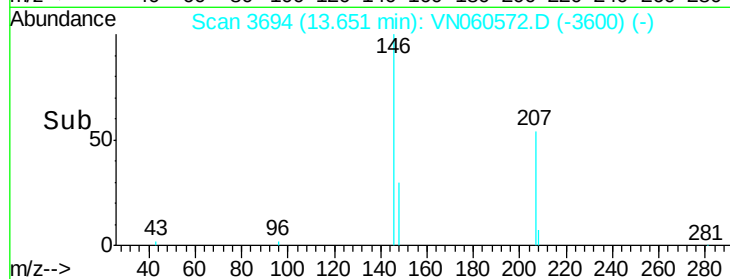
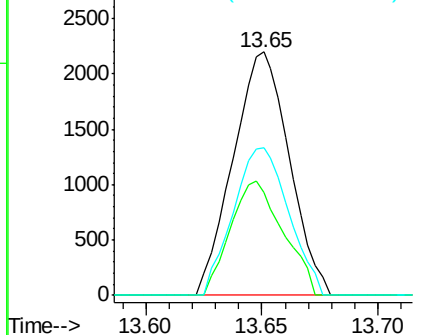


Abundance

Ion 145.90 (145.60 to 146.60): V

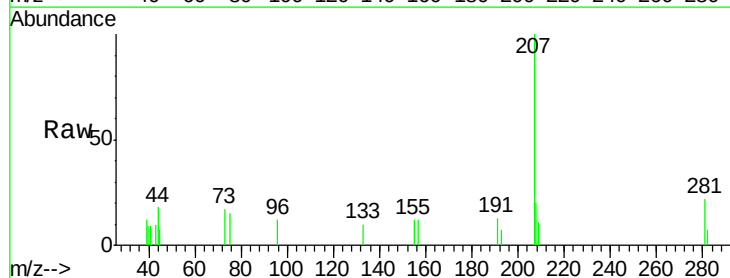
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

Tgt Ion	Ratio	Lower	Upper
75	100		
155	45.3	40.7	122.1
157	60.9	51.5	154.7

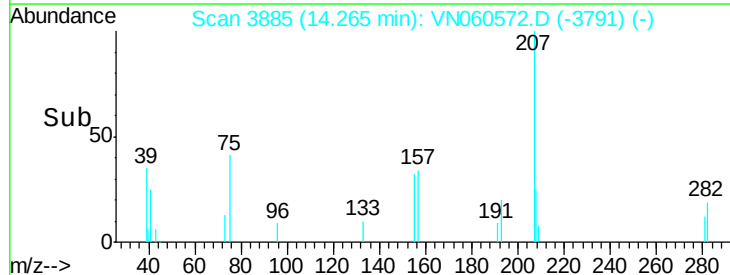
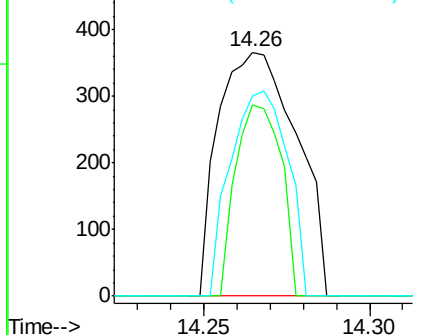


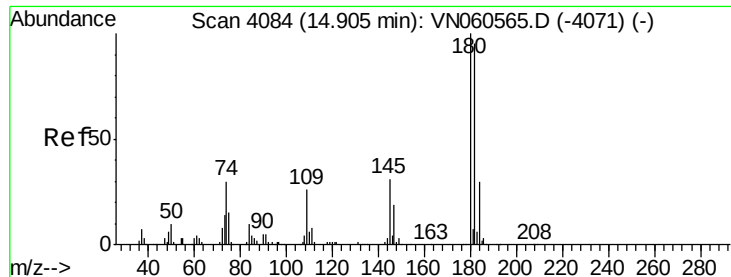
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





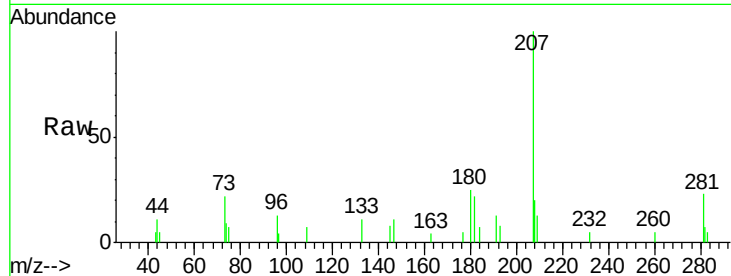
#93
 1,2,4-Trichlorobenzene
 Concen: 0.794 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

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

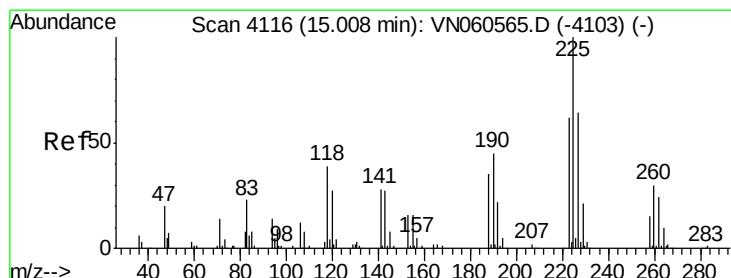
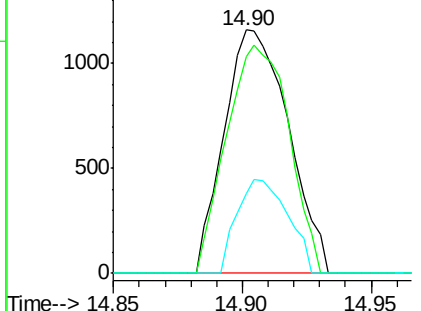
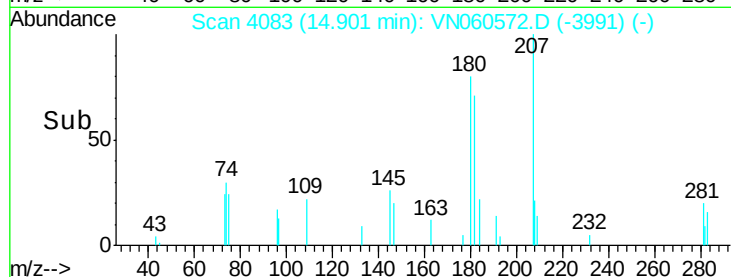
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.9	143.8
145	30.4	15.4	46.2

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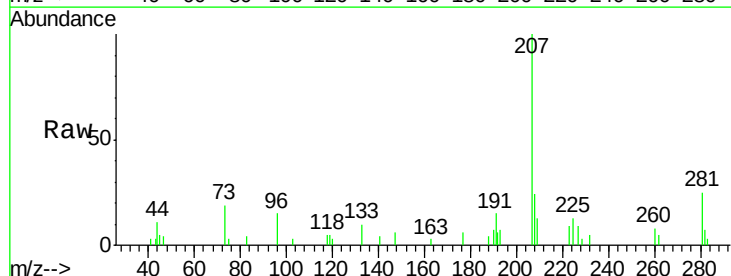


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

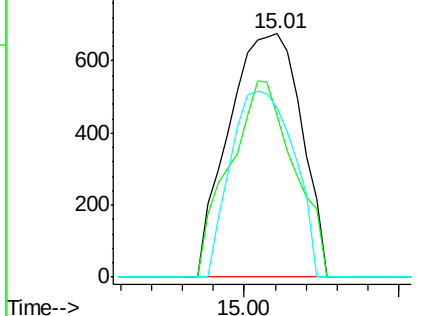
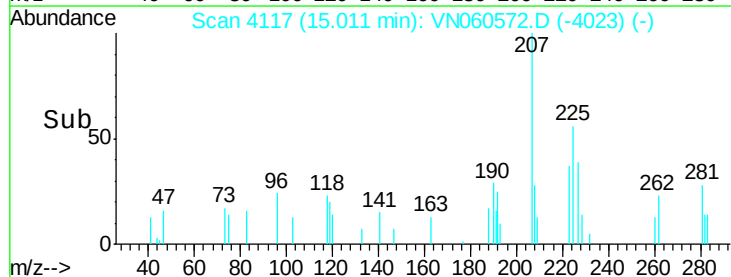


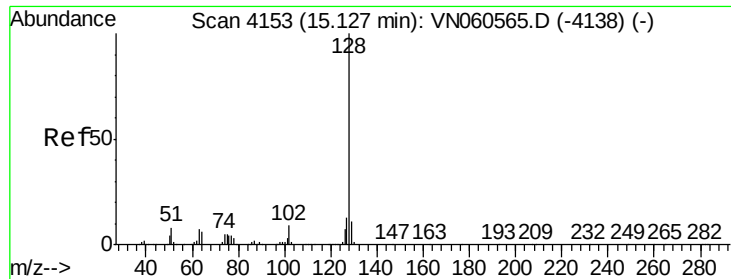
#94
 Hexachlorobutadiene
 Concen: 0.887 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060572.D
 Acq: 17 Mar 2020 22:36

Tgt 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





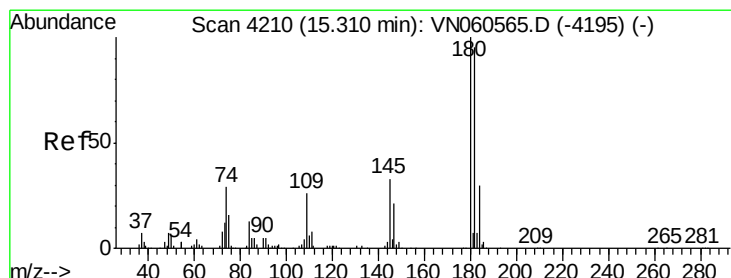
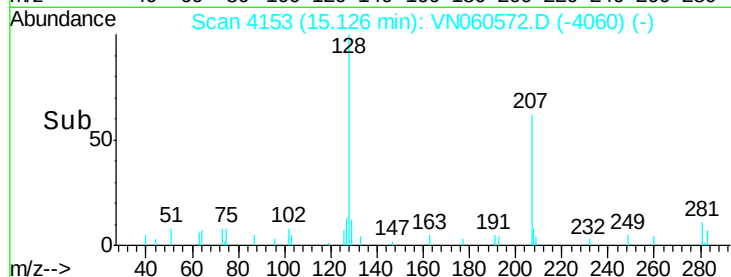
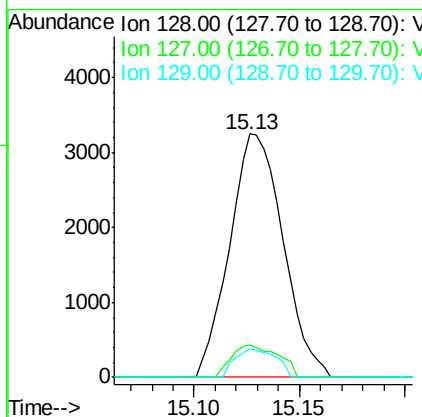
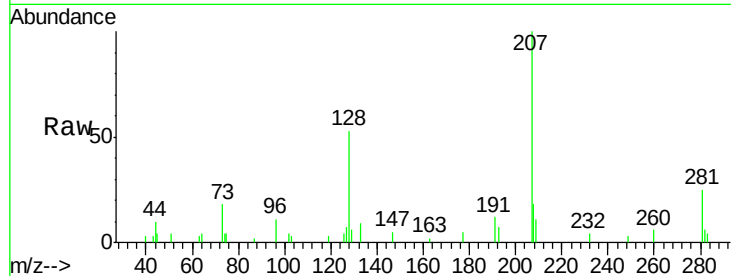
#95
Naphthalene
Concen: 0.749 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060572.D
Acq: 17 Mar 2020 22:36

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.2	15.2
129	8.9	8.8	13.2

Manual Integrations
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#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

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

