

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060323.D
 Acq On : 3 Mar 2020 12:48
 Operator : JC/MD
 Sample : L1161-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:44:28 AM

Quant Time: Mar 04 03:23:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 03:02:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	120936	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.57	113	86445	58.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.66%	
50) Toluene-d8	10.08	98	343939	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	122138	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1294	0.731	ug/l	88
3) Chloromethane	2.04	50	3168	1.027	ug/l #	81
4) Vinyl Chloride	2.16	62	2273	0.860	ug/l	97
5) Bromomethane	2.55	94	794	0.683	ug/l #	73
6) Chloroethane	2.69	64	950	0.663	ug/l #	84
7) Trichlorofluoromethane	3.00	101	2640	0.781	ug/l	89
8) Diethyl Ether	3.39	74	768	0.602	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1415m	0.740	ug/l	
10) Methyl Iodide	3.93	142	1407	0.806	ug/l #	80
11) Tert butyl alcohol	4.73	59	1089	2.959	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	2027	0.999	ug/l #	70
13) Acrolein	3.59	56	662m	1.928	ug/l	
14) Allyl chloride	4.30	41	2809	0.821	ug/l	87
15) Acrylonitrile	4.96	53	2684	2.767	ug/l #	80
16) Acetone	3.79	43	3557	4.444	ug/l	100
17) Carbon Disulfide	4.03	76	4658	0.809	ug/l	98
18) Methyl Acetate	4.31	43	2159m	0.808	ug/l	
19) Methyl tert-butyl Ether	5.01	73	6514	0.967	ug/l	96
20) Methylene Chloride	4.52	84	1790	0.814	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	1758m	0.765	ug/l	
22) Diisopropyl ether	5.92	45	5518	0.796	ug/l	92
23) Vinyl Acetate	5.87	43	19613	3.561	ug/l	98
24) 1,1-Dichloroethane	5.82	63	2980	0.760	ug/l #	84
25) 2-Butanone	6.81	43	4838	3.743	ug/l	98
26) 2,2-Dichloropropane	6.79	77	2891	0.809	ug/l #	63
27) cis-1,2-Dichloroethene	6.80	96	2161	0.848	ug/l	84
28) Bromochloromethane	7.17	49	1042	0.647	ug/l #	71
29) Tetrahydrofuran	7.19	42	3319	3.692	ug/l	94
30) Chloroform	7.35	83	3100	0.794	ug/l	94
31) Cyclohexane	7.64	56	6841	1.880	ug/l #	27
32) 1,1,1-Trichloroethane	7.54	97	2723	0.787	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	2333	0.773	ug/l	96
37) Ethyl Acetate	6.89	43	2398m	0.839	ug/l	
38) Carbon Tetrachloride	7.76	117	2075	0.706	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	2826	0.794	ug/l	94
40) Benzene	8.02	78	7113	0.810	ug/l	99
41) Methacrylonitrile	7.16	41	1376m	1.043	ug/l	
42) 1,2-Dichloroethane	8.10	62	2676	0.844	ug/l	82
43) Isopropyl Acetate	8.14	43	3890	0.778	ug/l #	88
44) Trichloroethene	8.82	130	1900	0.777	ug/l	80
45) 1,2-Dichloropropane	9.10	63	1877	0.818	ug/l	90
46) Dibromomethane	9.19	93	999	0.671	ug/l	96
47) Bromodichloromethane	9.39	83	2270	0.749	ug/l #	93
48) Methyl methacrylate	9.18	41	1822	0.799	ug/l	91
49) 1,4-Dioxane	9.19	88	264	8.231	ug/l #	61
51) 4-Methyl-2-Pentanone	9.97	43	10012	3.531	ug/l	100
52) Toluene	10.14	92	4073	0.738	ug/l	90
53) t-1,3-Dichloropropene	10.37	75	2834	0.763	ug/l #	77
54) cis-1,3-Dichloropropene	9.82	75	2992	0.778	ug/l #	94
55) 1,1,2-Trichloroethane	10.55	97	1853	0.835	ug/l	98
56) Ethyl methacrylate	10.42	69	2015	0.632	ug/l #	76
57) 1,3-Dichloropropane	10.70	76	2717	0.751	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.68	63	5681	3.408	ug/l	100
59) 2-Hexanone	10.74	43	7123	3.421	ug/l	99
60) Dibromochloromethane	10.89	129	1517	0.672	ug/l	98
61) 1,2-Dibromoethane	11.00	107	1446	0.669	ug/l	95
64) Tetrachloroethene	10.62	164	2129	0.844	ug/l	91
65) Chlorobenzene	11.43	112	4581	0.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	1709	0.807	ug/l #	53
67) Ethyl Benzene	11.50	91	8108	0.777	ug/l	95
68) m/p-Xylenes	11.62	106	5995	1.523	ug/l	97
69) o-Xylene	11.94	106	2768	0.737	ug/l	96
70) Styrene	11.96	104	4163	0.674	ug/l	96
71) Bromoform	12.12	173	793	0.519	ug/l #	98
73) Isopropylbenzene	12.25	105	7898	0.837	ug/l	95
74) N-amyl acetate	12.07	43	3369	0.817	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	2119	0.826	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	2063m	0.739	ug/l	
77) Bromobenzene	12.52	156	1830	0.792	ug/l	91
78) n-propylbenzene	12.59	91	8941	0.809	ug/l	98
79) 2-Chlorotoluene	12.67	91	5229	0.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6417	0.808	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	756m	0.747	ug/l	
82) 4-Chlorotoluene	12.77	91	5273	0.770	ug/l	100
83) tert-Butylbenzene	12.99	119	5776	0.840	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	5919	0.738	ug/l	96
85) sec-Butylbenzene	13.17	105	7071	0.768	ug/l	98
86) p-Isopropyltoluene	13.29	119	6594	0.774	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3457	0.796	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	3578m	0.828	ug/l	
89) n-Butylbenzene	13.61	91	6019	0.769	ug/l	98
90) Hexachloroethane	13.88	117	620	0.503	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	3393	0.838	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	789	1.359	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2140	0.744	ug/l	92
94) Hexachlorobutadiene	15.01	225	860	0.631	ug/l	82
95) Naphthalene	15.13	128	5496	0.663	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2038	0.754	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:168 Resp: 193164

Ion Ratio Lower Upper

168 100

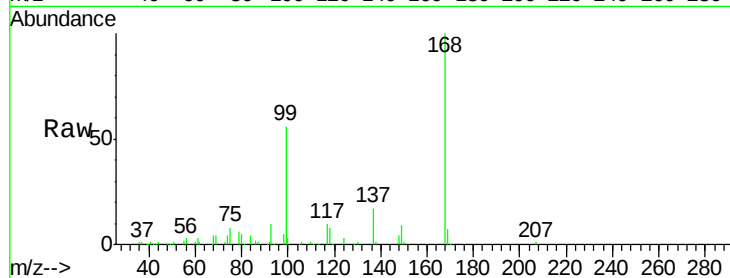
99 55.6 44.7 67.1

Manual Integrations

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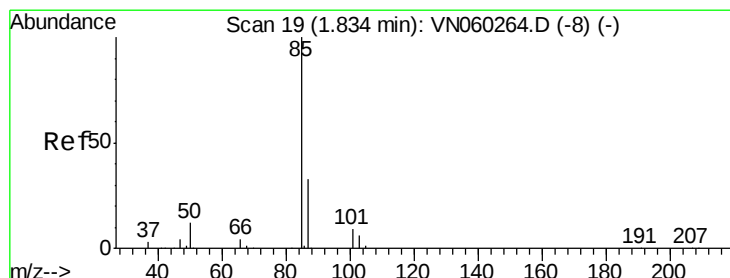
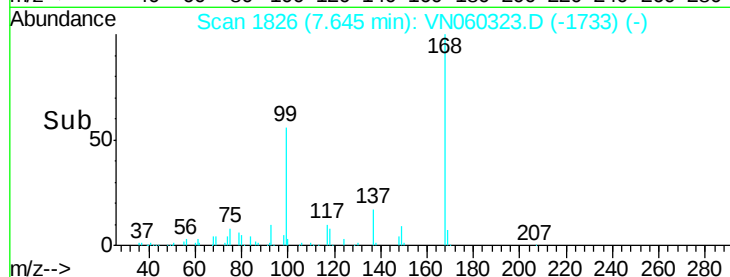
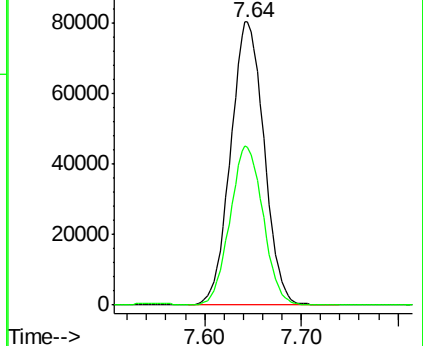
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.731 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060323.D

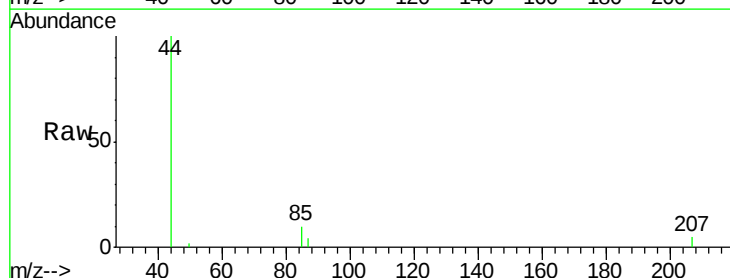
Acq: 3 Mar 2020 12:48

Tgt Ion: 85 Resp: 1294

Ion Ratio Lower Upper

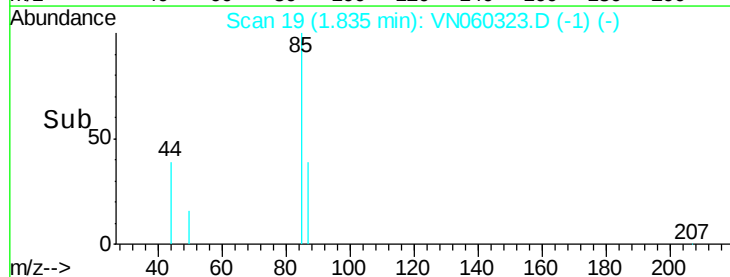
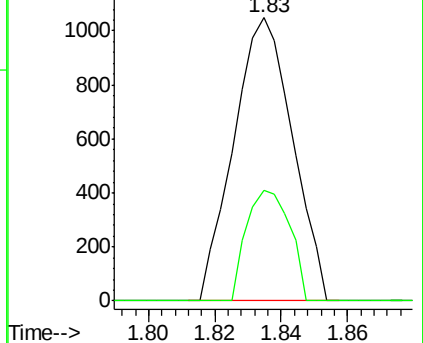
85 100

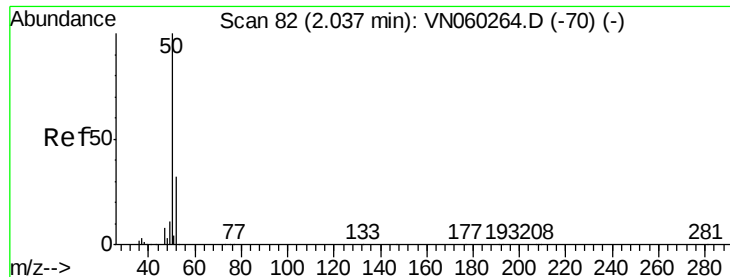
87 39.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.027 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 3168

Ion Ratio Lower Upper

50 100

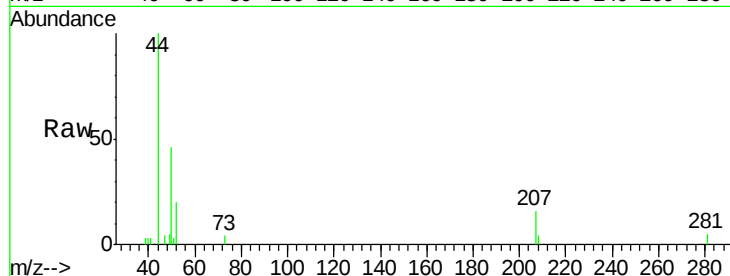
52 42.8 25.6 38.4#

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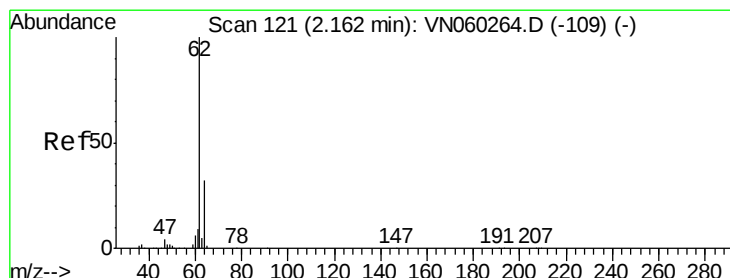
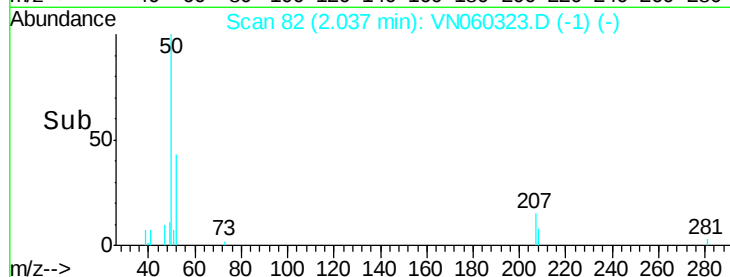
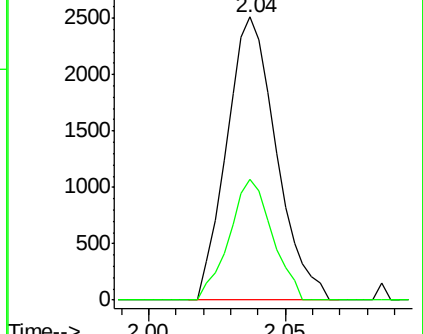
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.860 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060323.D

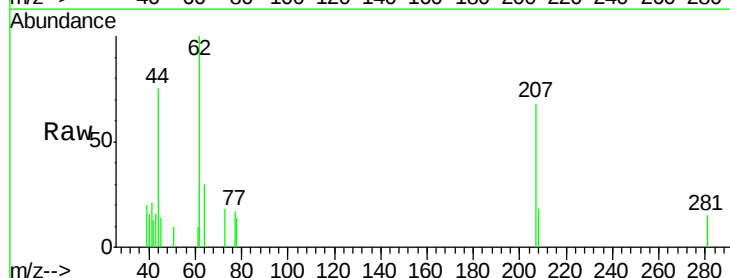
Acq: 3 Mar 2020 12:48

Tgt Ion: 62 Resp: 2273

Ion Ratio Lower Upper

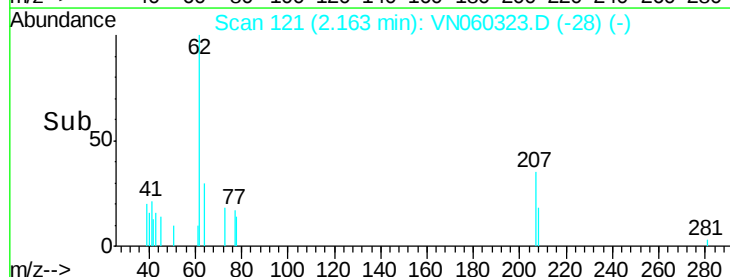
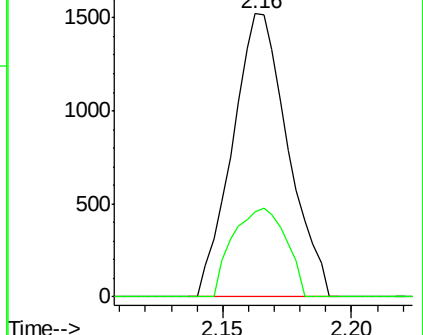
62 100

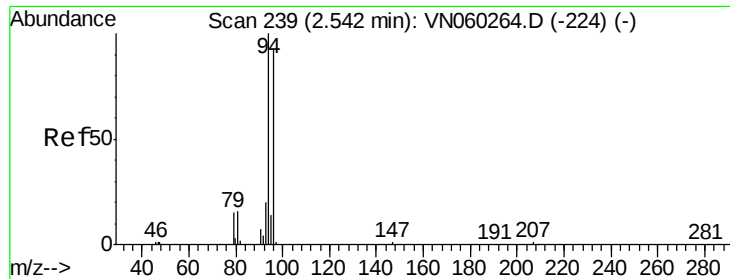
64 30.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.683 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

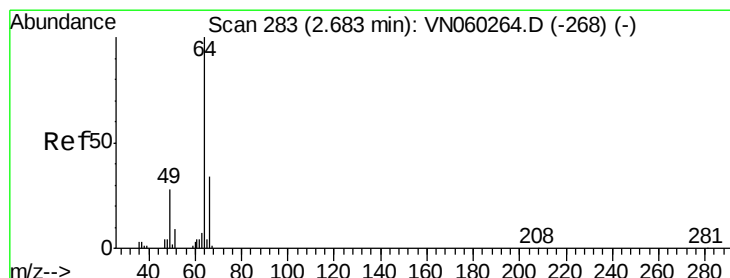
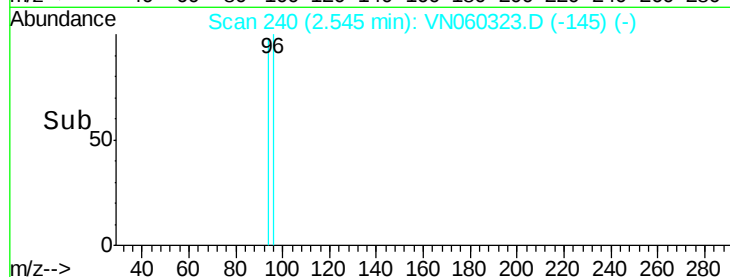
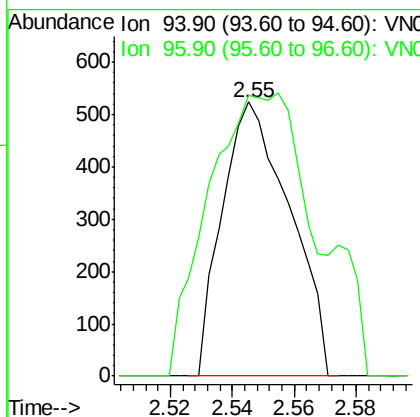
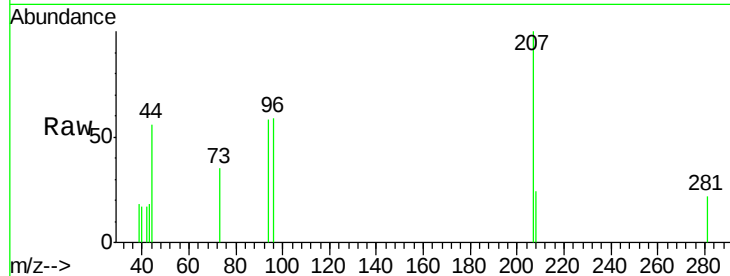
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
96	66.6	74.3	111.5#	

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#6

Chloroethane

Concen: 0.663 ug/l

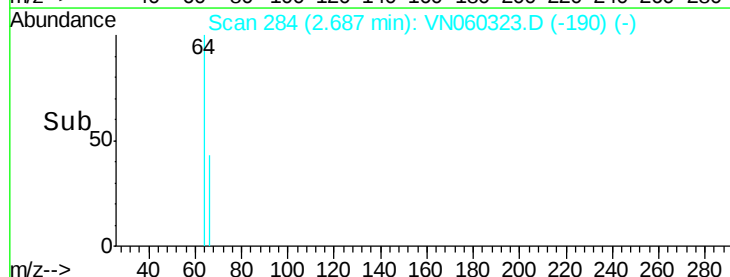
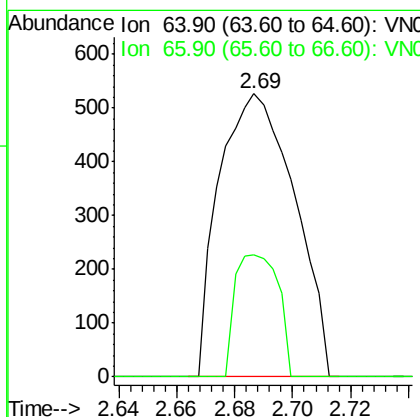
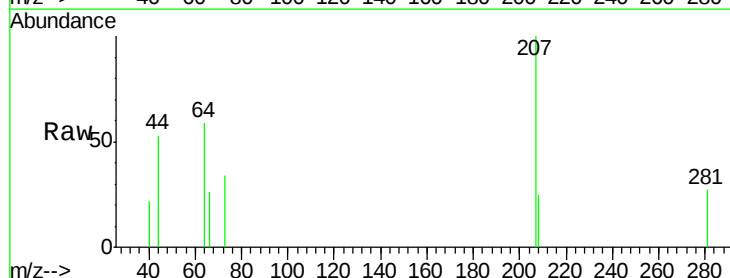
RT: 2.69 min Scan# 284

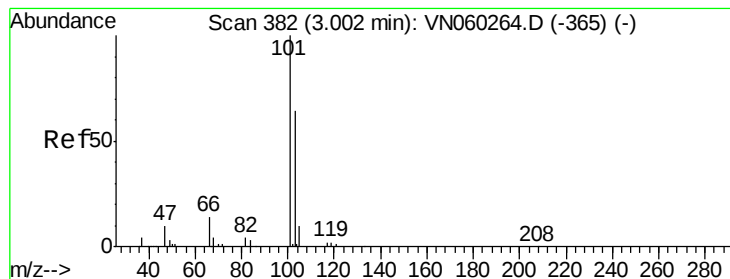
Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion	Ion	Ratio	Lower	Upper
64	100			
66	43.3	27.4	41.2#	





#7

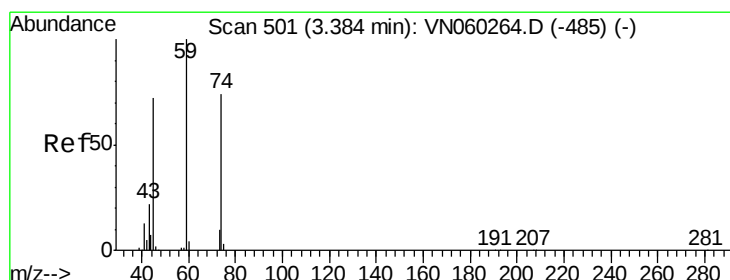
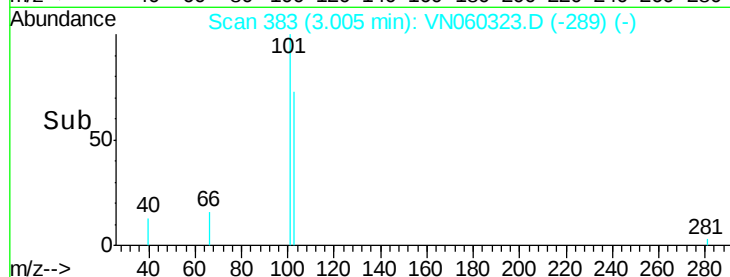
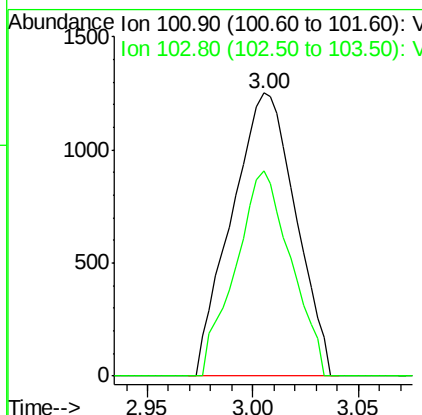
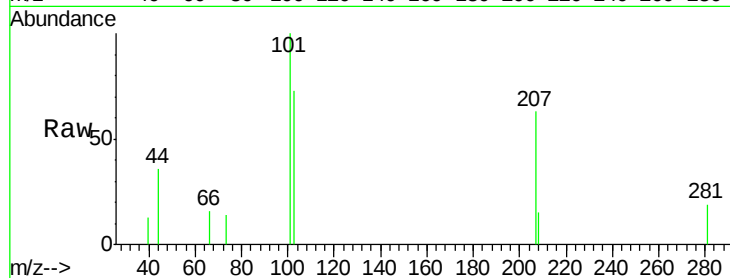
Trichlorofluoromethane
Concen: 0.781 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	72.6	51.3	76.9

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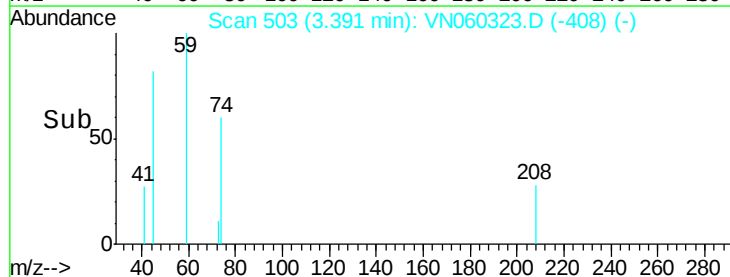
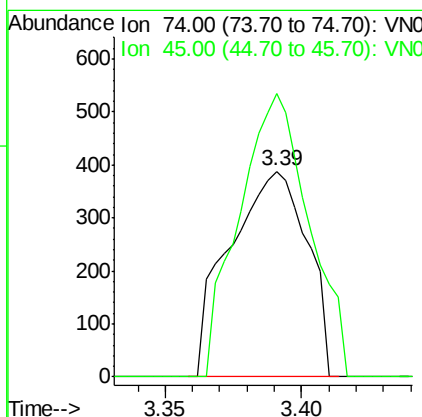
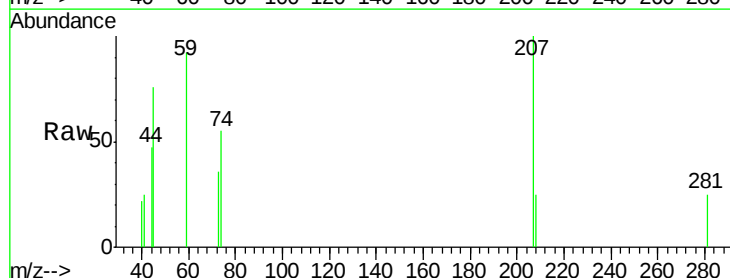
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#8

Diethyl Ether
Concen: 0.602 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.740 ug/l m

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

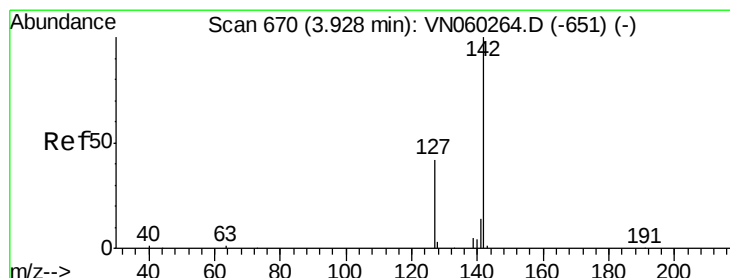
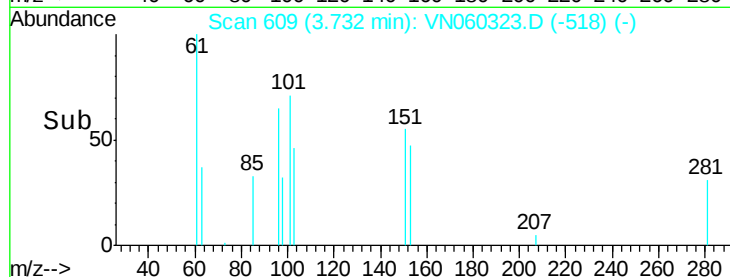
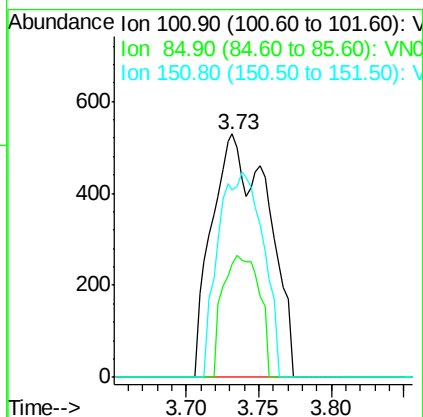
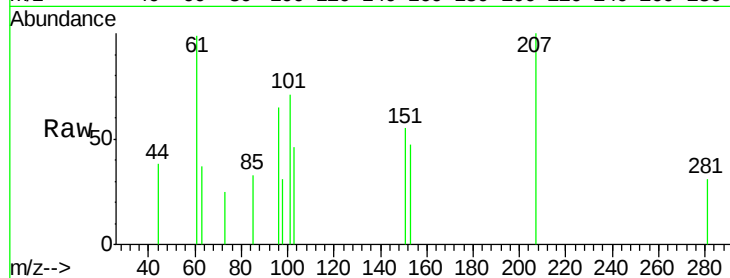
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	101	Resp:	1415
Ion Ratio	Lower	Upper	
101	100		
85	32.7	35.4	53.2#
151	67.6	62.0	93.0

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#10

Methyl Iodide

Concen: 0.806 ug/l

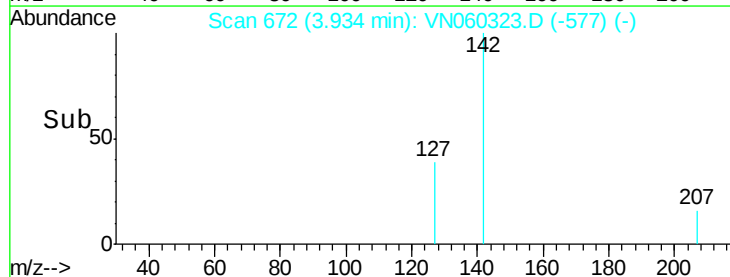
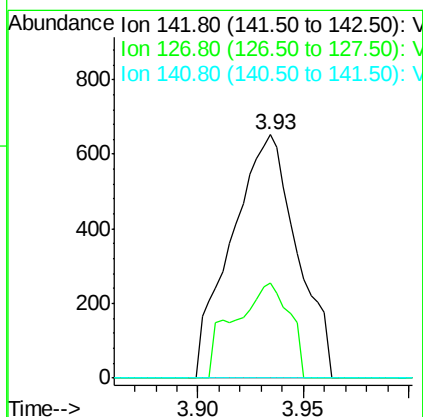
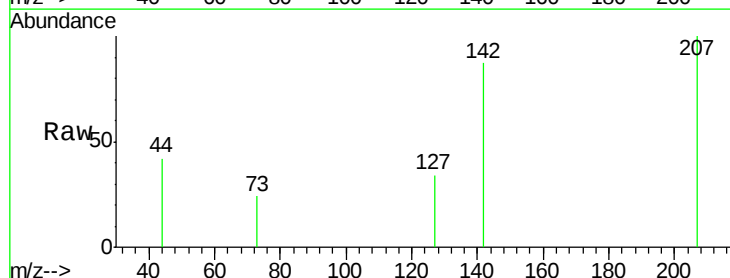
RT: 3.93 min Scan# 672

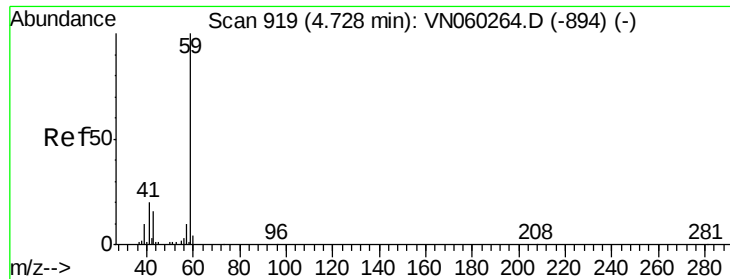
Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	142	Resp:	1407
Ion Ratio	Lower	Upper	
142	100		
127	32.9	33.8	50.6#
141	0.0	11.1	16.7#





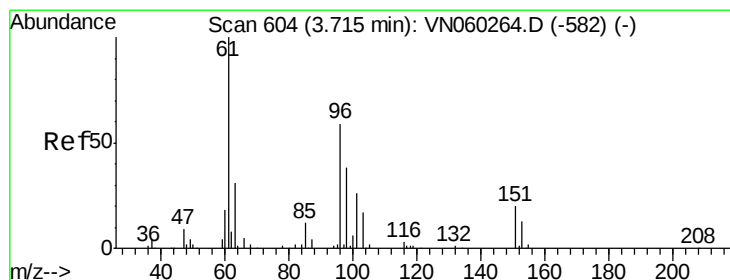
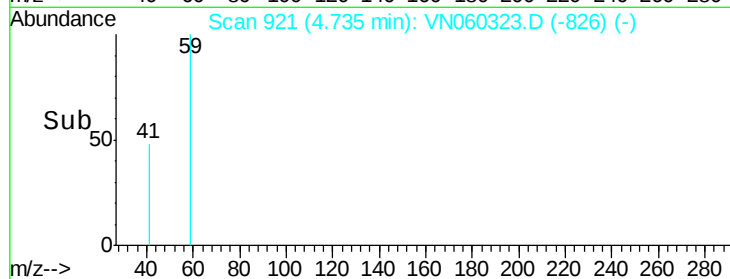
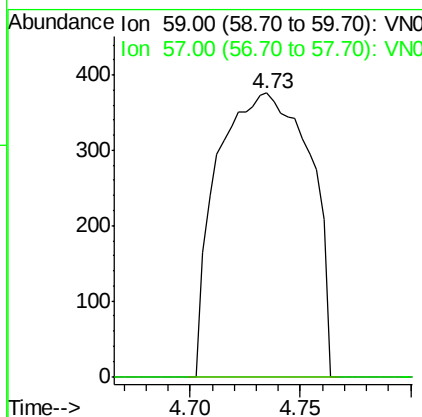
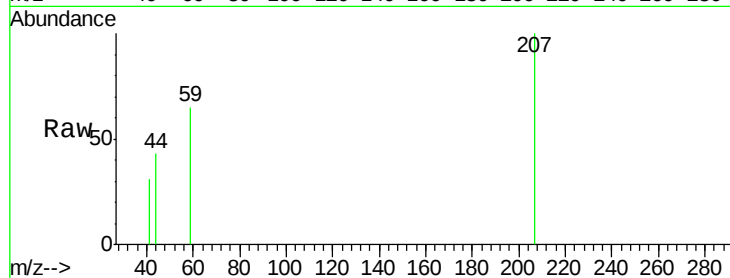
#11
Tert butyl alcohol
Concen: 2.959 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion: 59 Resp: 1089
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

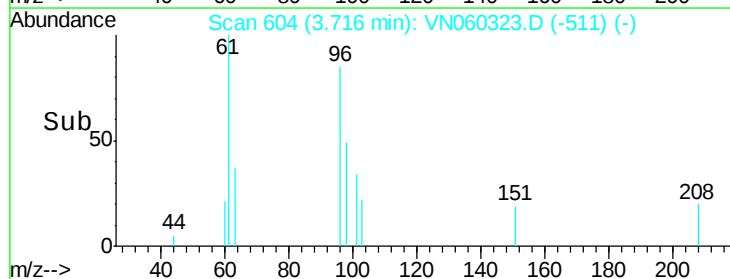
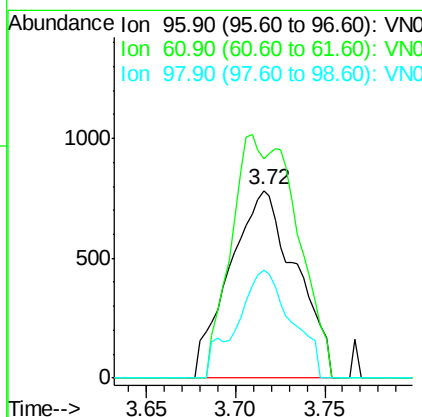
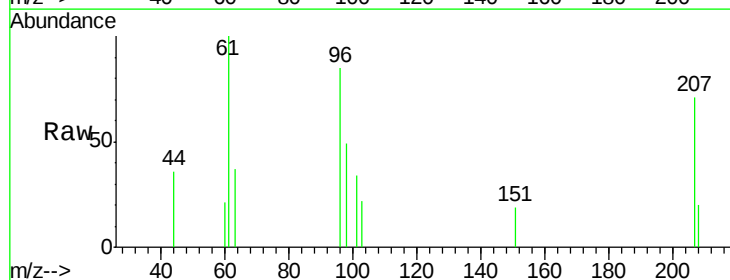
Manual Integrations
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3/4/2020 10:44:28 AM



#12
1,1-Dichloroethene
Concen: 0.999 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 96 Resp: 2027
Ion Ratio Lower Upper
96 100
61 117.3 135.4 203.0#
98 57.3 51.6 77.4





#13

Acrolein

Concen: 1.928 ug/l m

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 662

Ion Ratio Lower Upper

56 100

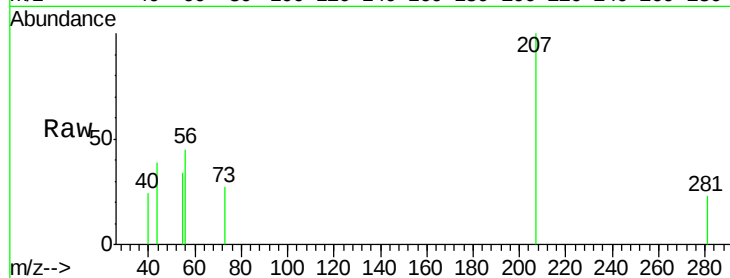
55 74.6 57.4 86.0

Manual Integrations

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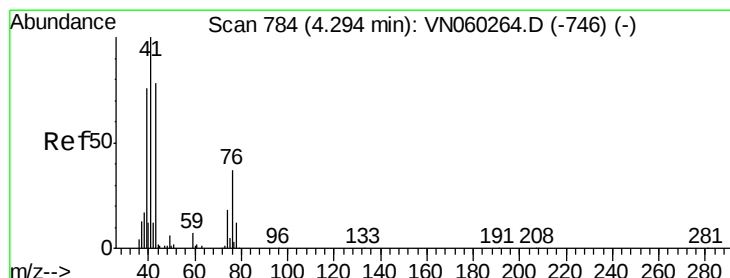
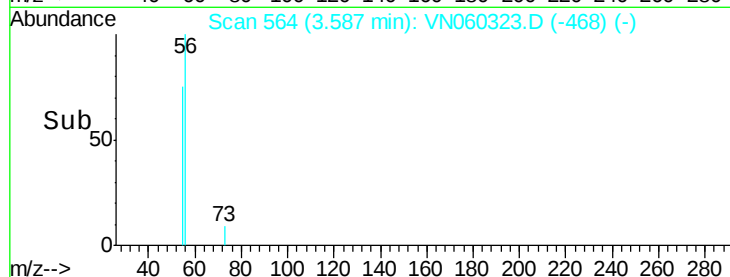
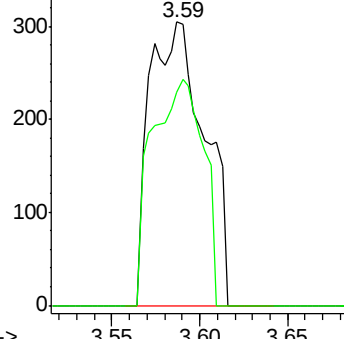
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.821 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

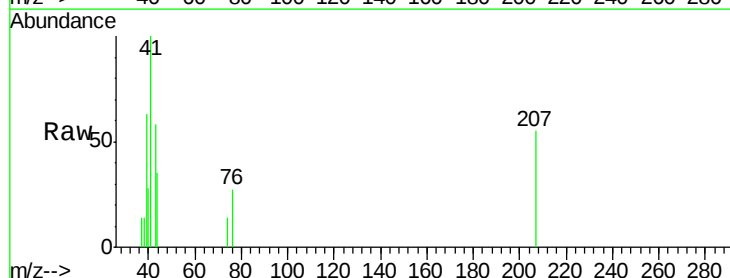
Tgt Ion: 41 Resp: 2809

Ion Ratio Lower Upper

41 100

39 80.0 55.4 83.2

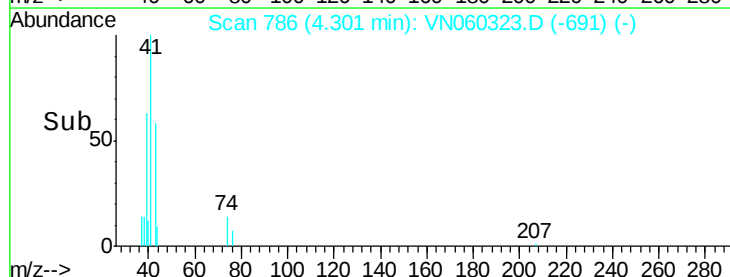
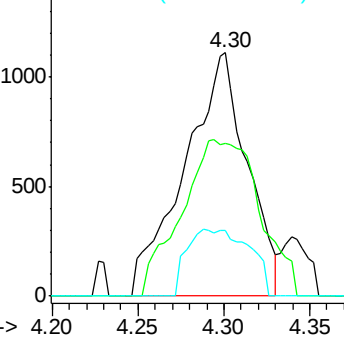
76 27.3 27.0 40.6

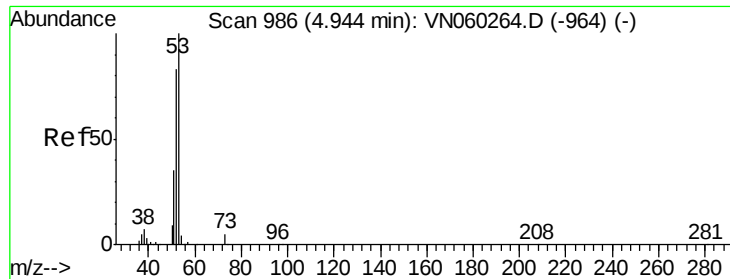


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 2.767 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

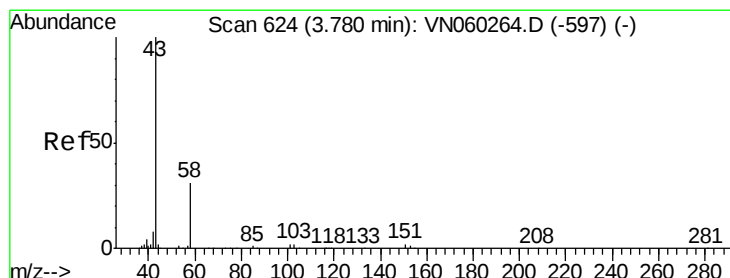
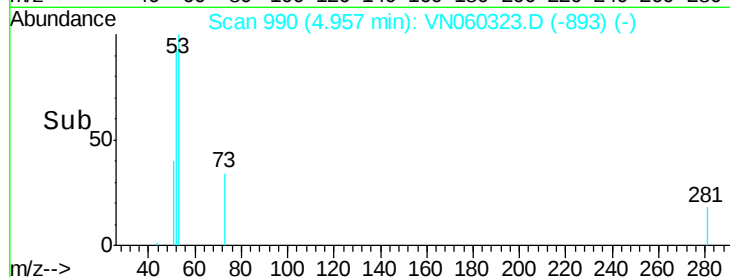
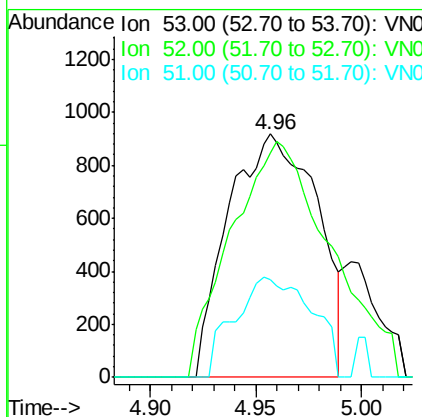
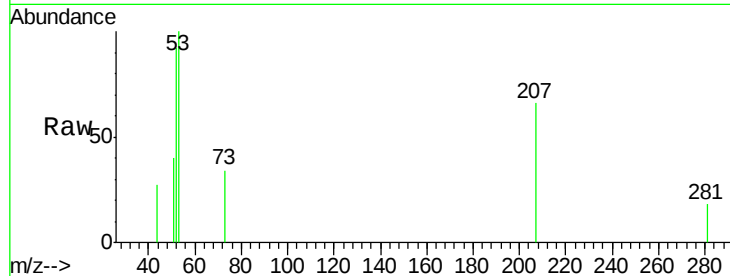
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	53	Resp:	2684
Ion	Ratio	Lower	Upper
53	100		
52	108.8	66.8	100.2#
51	35.7	29.0	43.6

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#16

Acetone

Concen: 4.444 ug/l

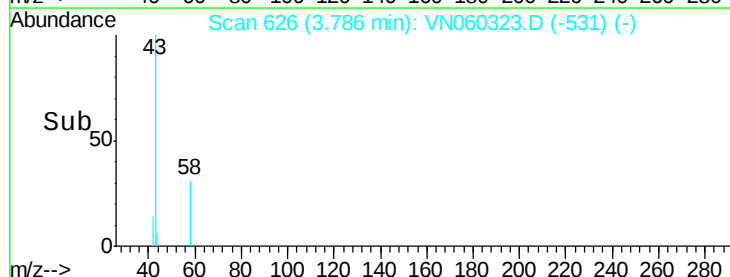
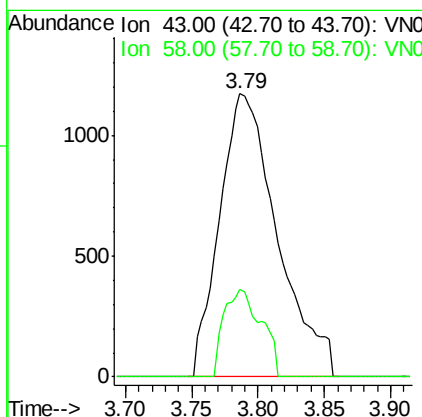
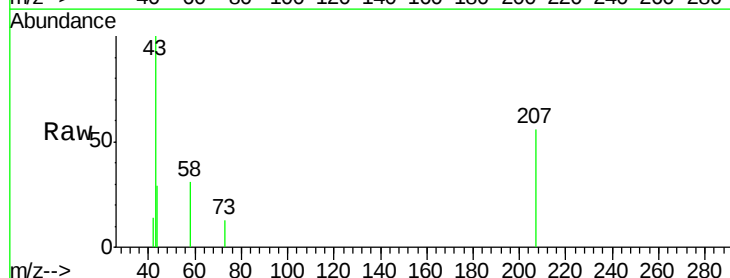
RT: 3.79 min Scan# 626

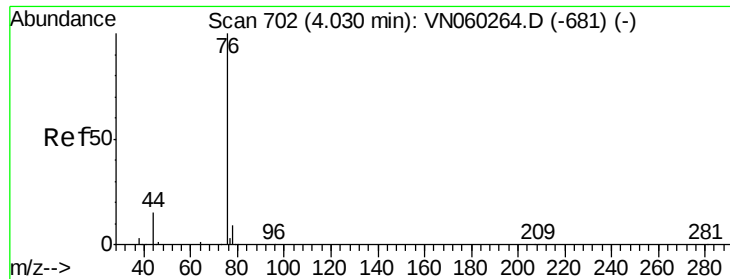
Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	43	Resp:	3557
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	36.8





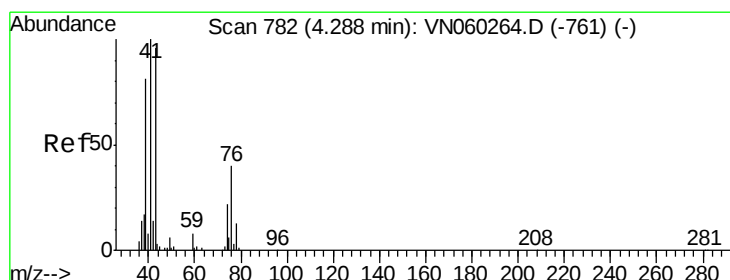
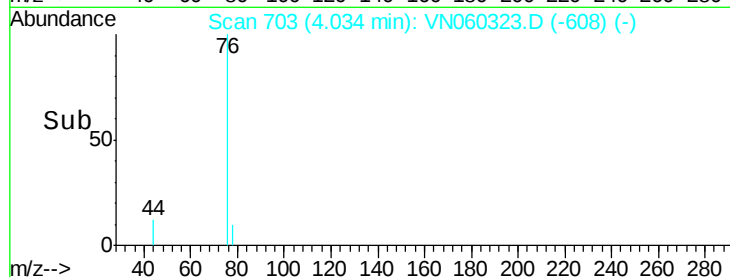
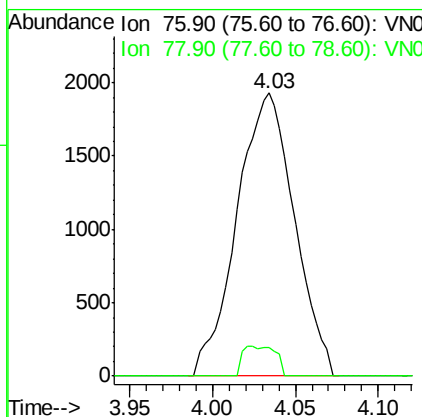
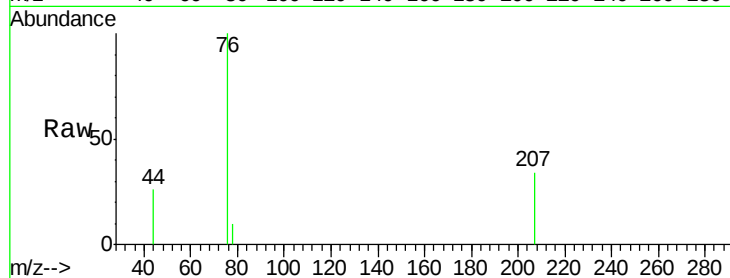
#17
Carbon Disulfide
Concen: 0.809 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion: 76 Resp: 4658
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0

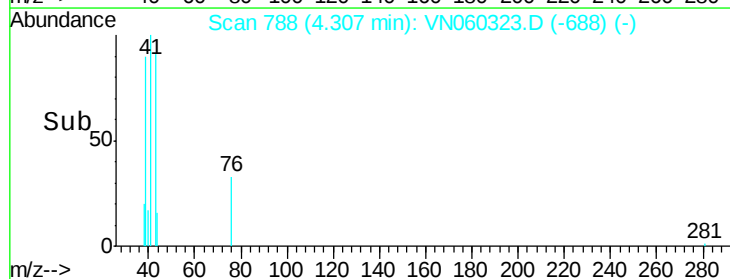
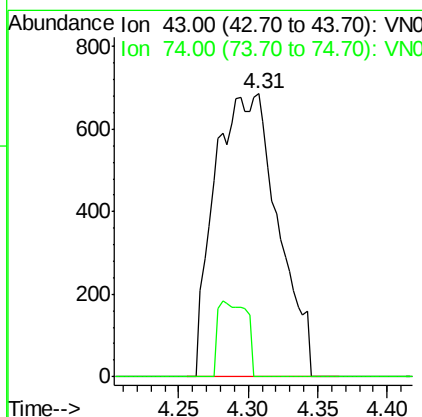
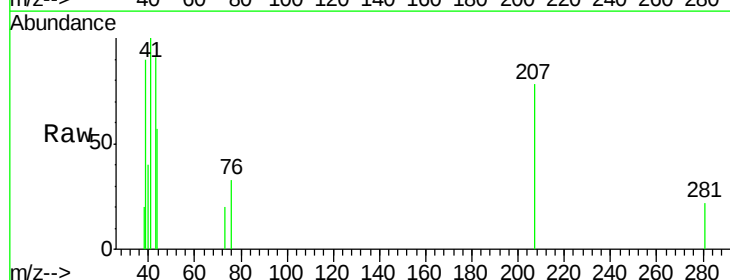
Manual Integrations
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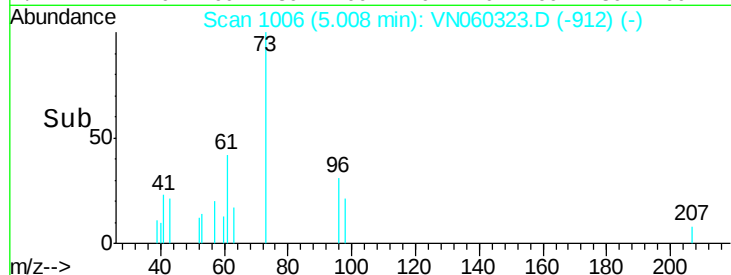
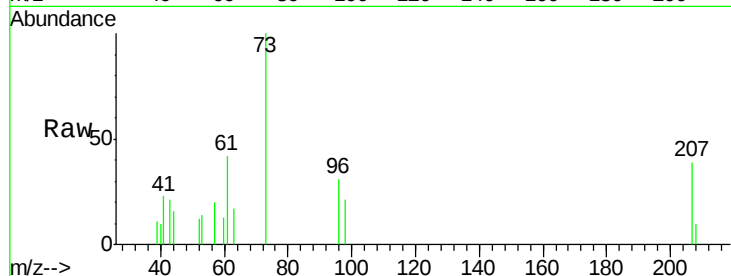
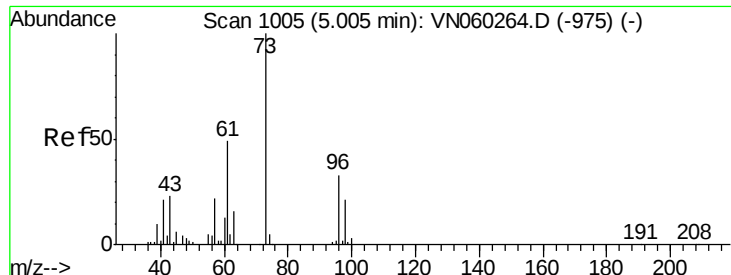
MMDadoda
3/4/2020 10:44:28 AM



#18
Methyl Acetate
Concen: 0.808 ug/l m
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 43 Resp: 2159
Ion Ratio Lower Upper
43 100
74 12.0 18.8 28.2#





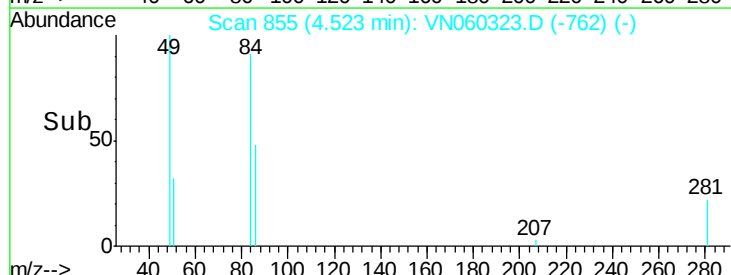
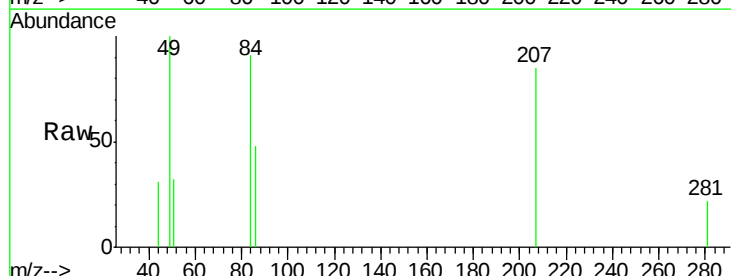
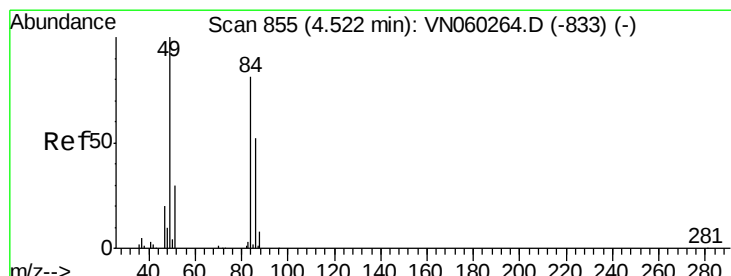
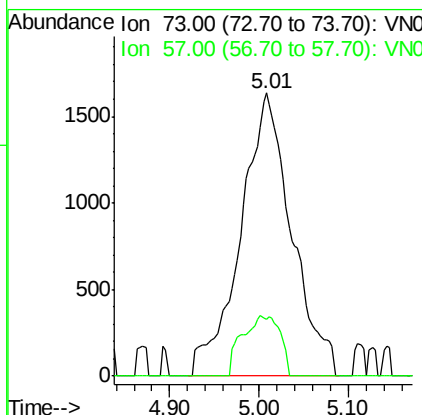
#19
Methvl tert-butvl Ether
Concen: 0.967 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tot Ion: 73 Resp: 6514
Ion Ratio Lower Upper
73 100
57 19.9 17.3 25.9

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

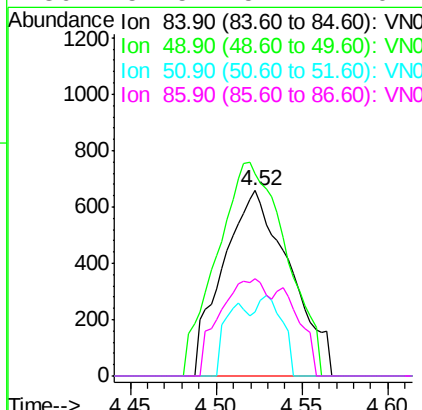
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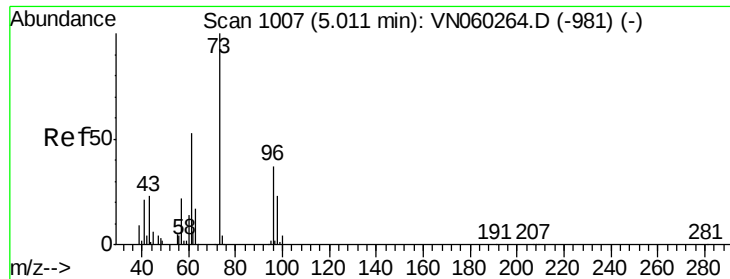
MMDadoda
3/4/2020 10:44:28 AM



#20
Methylene Chloride
Concen: 0.814 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 84 Resp: 1790
Ion Ratio Lower Upper
84 100
49 109.6 99.3 148.9
51 34.6 30.1 45.1
86 52.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.765 ug/l m

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

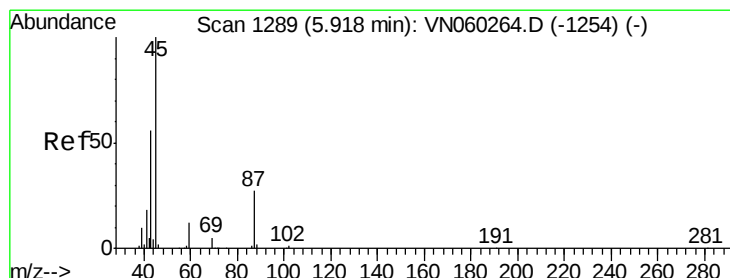
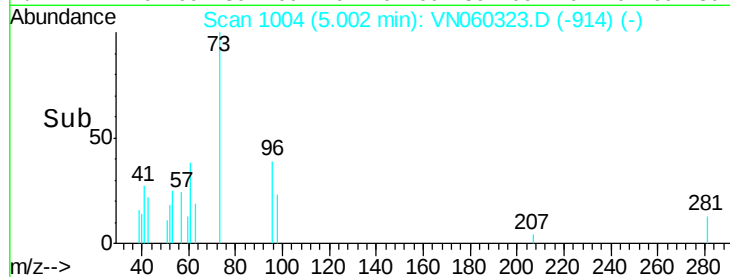
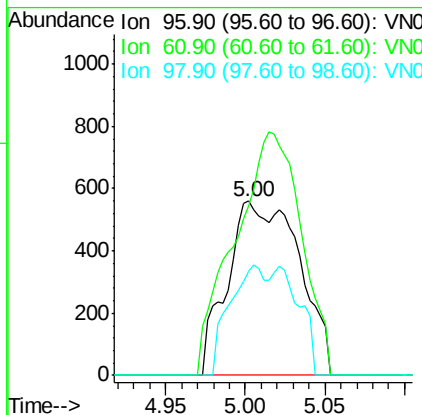
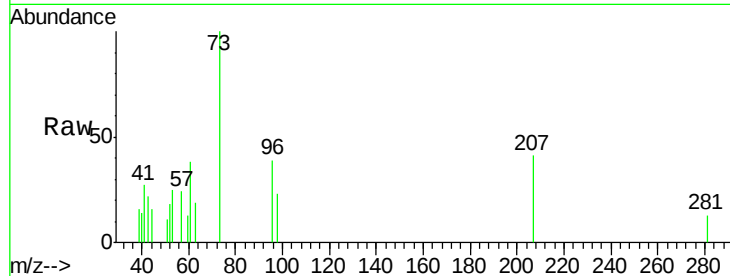
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	96	Resp:	1758
Ion	Ratio	Lower	Upper
96	100		
61	97.1	113.8	170.8#
98	59.6	48.8	73.2

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#22

Diisopropyl ether

Concen: 0.796 ug/l

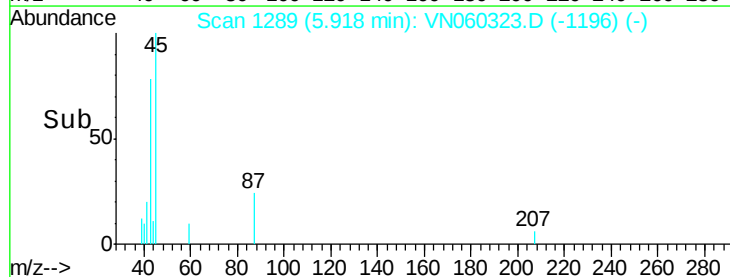
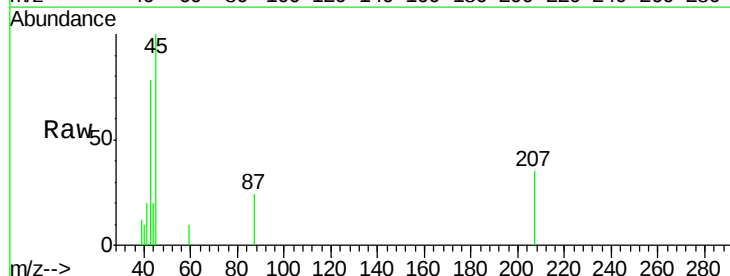
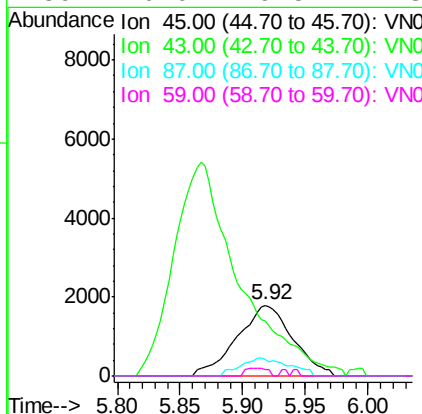
RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	45	Resp:	5518
Ion	Ratio	Lower	Upper
45	100		
43	66.9	48.6	72.8
87	23.6	22.2	33.2
59	10.0	9.5	14.3





#23

Vinyl Acetate

Concen: 3.561 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 19613

Ion Ratio Lower Upper

43 100

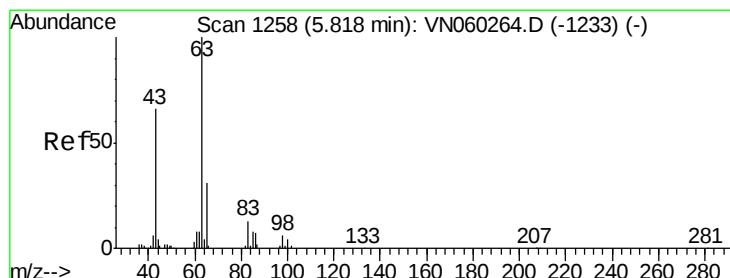
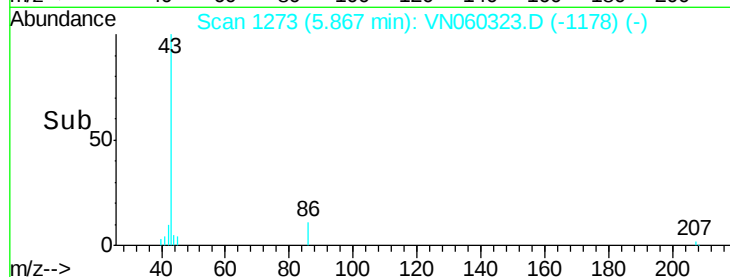
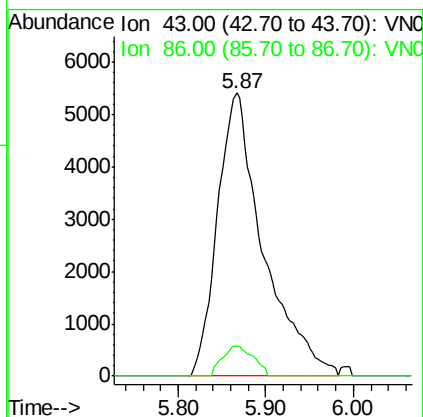
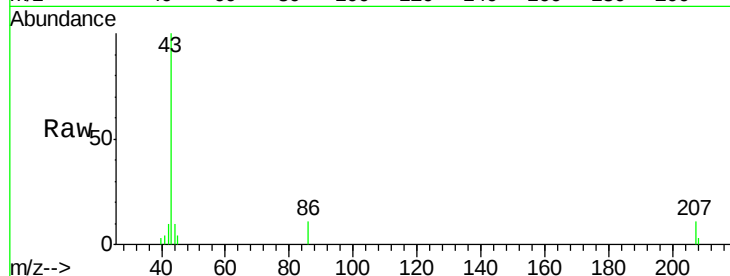
86 10.7 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.760 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

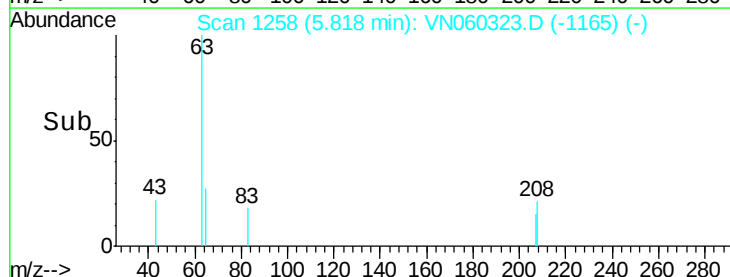
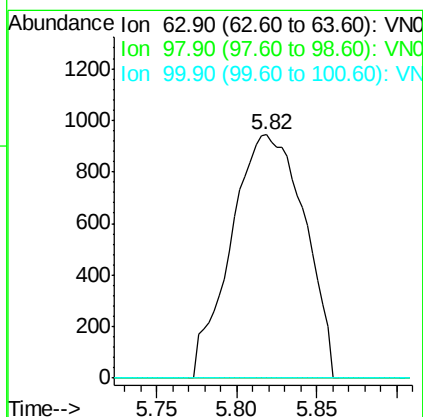
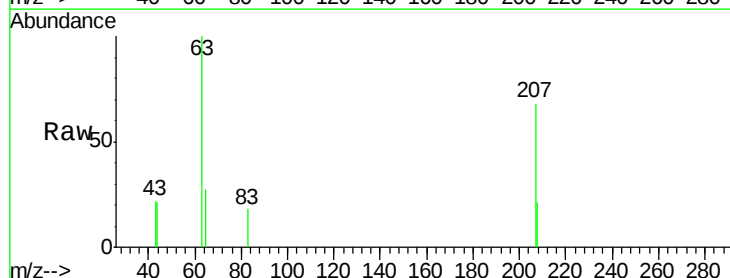
Tgt Ion: 63 Resp: 2980

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 3.743 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 4838

Ion Ratio Lower Upper

43 100

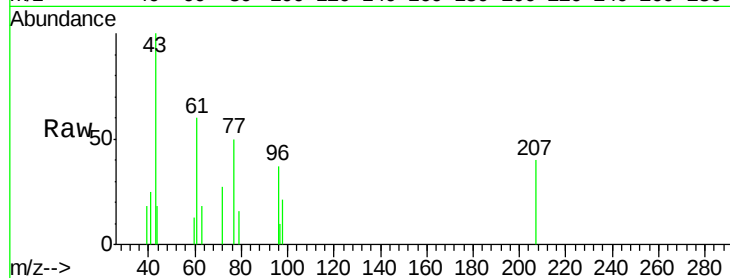
72 26.9 20.9 31.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060323.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN060323.D (-1540) (-)

6.81

1500

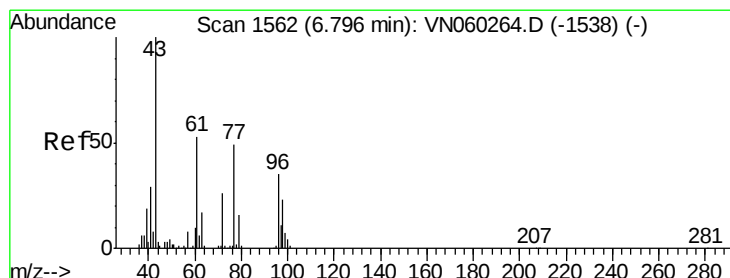
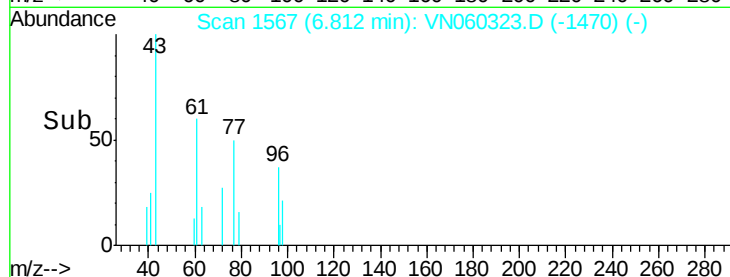
1000

500

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 0.809 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060323.D

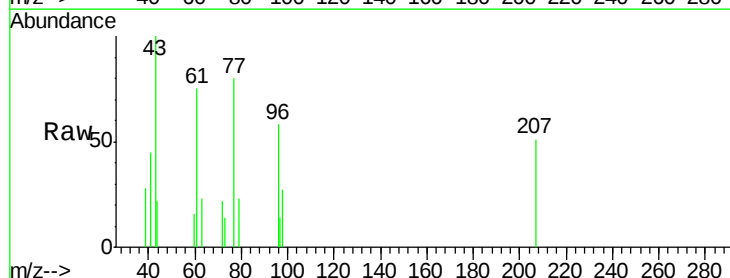
Acq: 3 Mar 2020 12:48

Tgt Ion: 77 Resp: 2891

Ion Ratio Lower Upper

77 100

97 4.5 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VN060323.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060323.D (-1469) (-)

6.79

1000

800

600

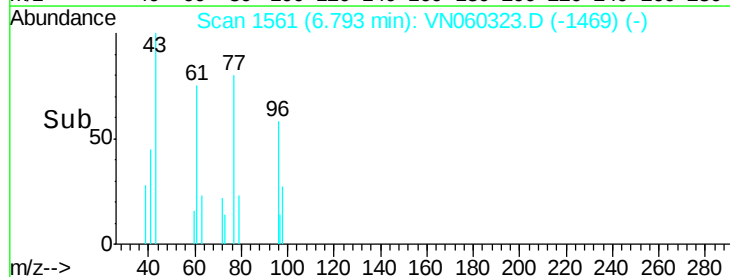
400

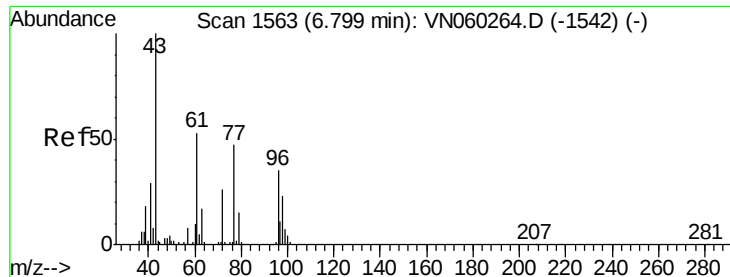
200

0

6.75 6.80 6.85

Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.848 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

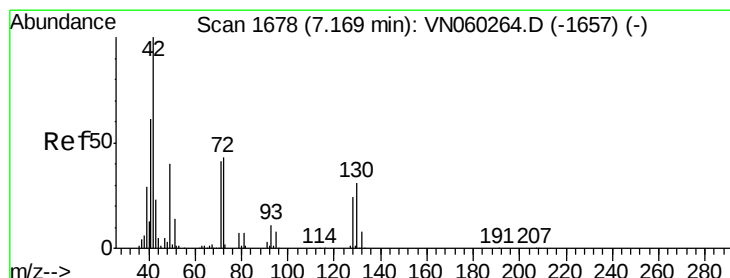
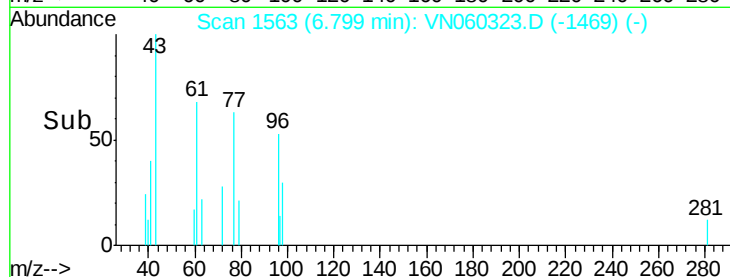
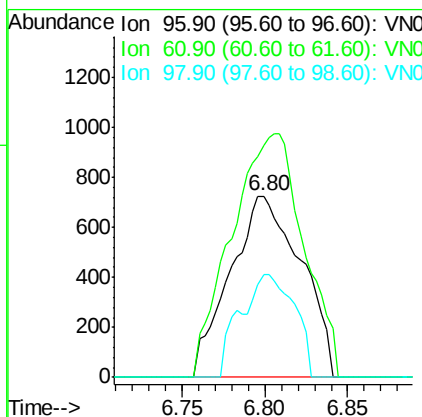
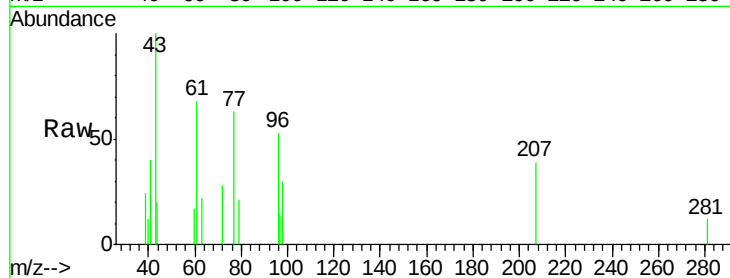
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	96	Resp:	2161
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	300.8
98	42.9	0.0	128.2

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3/4/2020 10:44:28 AM



#28

Bromochloromethane

Concen: 0.647 ug/l

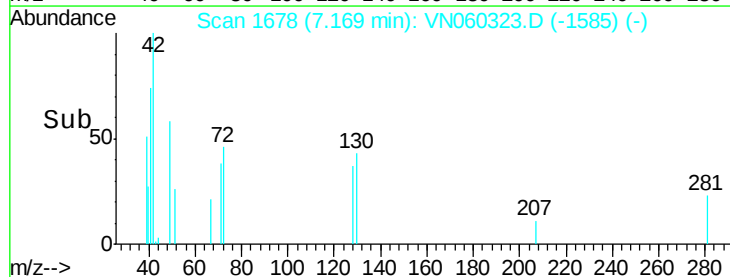
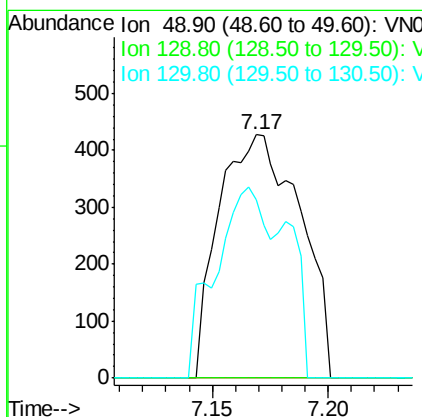
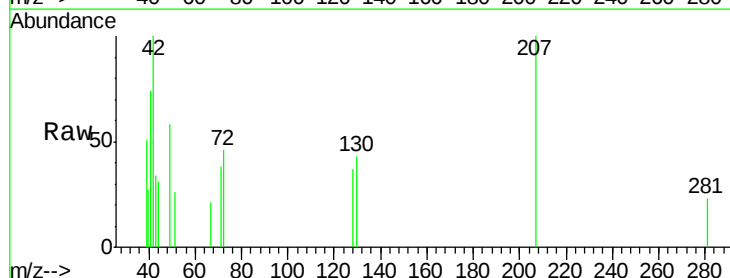
RT: 7.17 min Scan# 1678

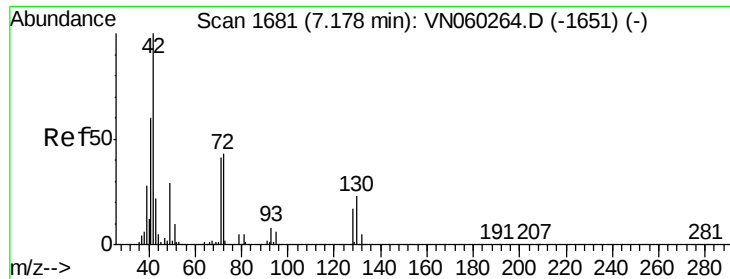
Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	49	Resp:	1042
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	49.9	59.8	89.8#





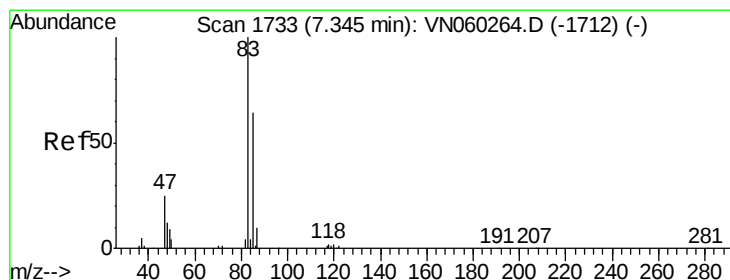
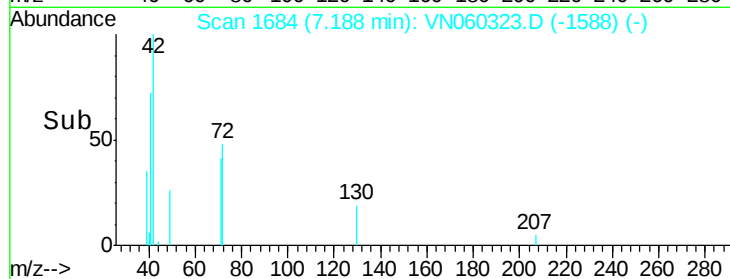
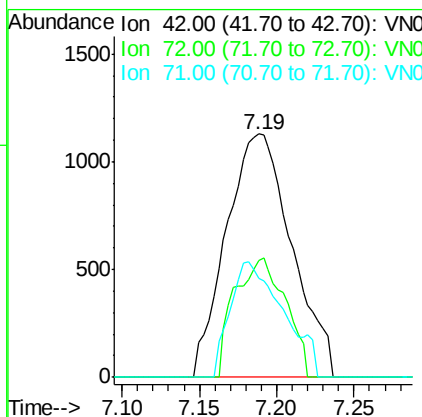
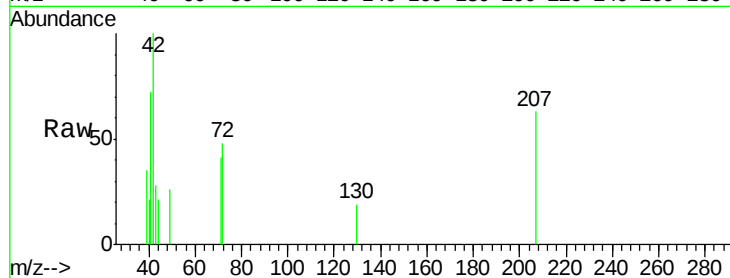
#29
Tetrahydrofuran
Concen: 3.692 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion:	42	Resp:	3319
Ion	Ratio	Lower	Upper
42	100		
72	38.1	34.6	52.0
71	38.6	32.9	49.3

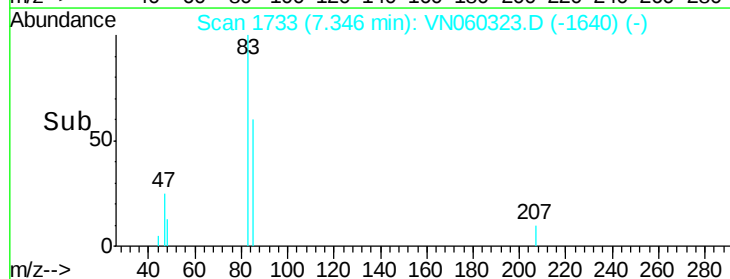
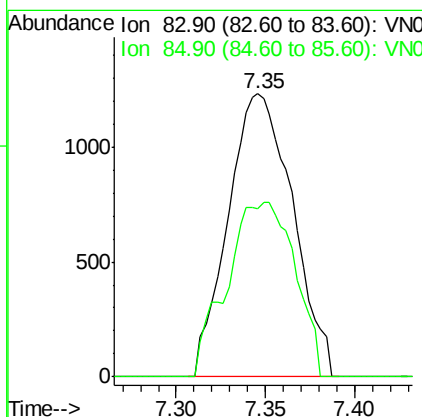
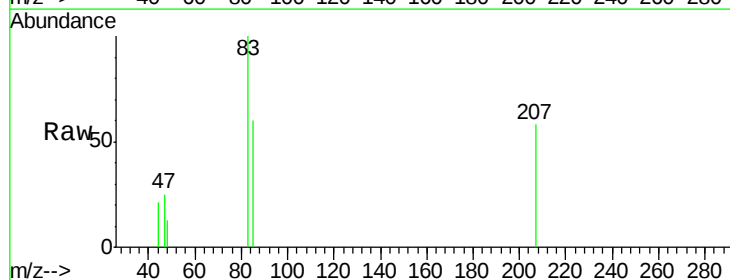
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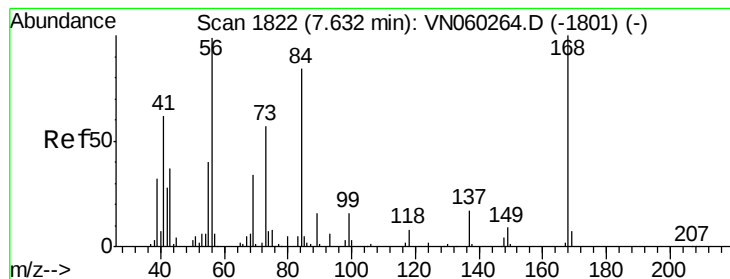
MMDadoda
3/4/2020 10:44:28 AM



#30
Chloroform
Concen: 0.794 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion:	83	Resp:	3100
Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.4	77.2





#31

Cyclohexane

Concen: 1.880 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

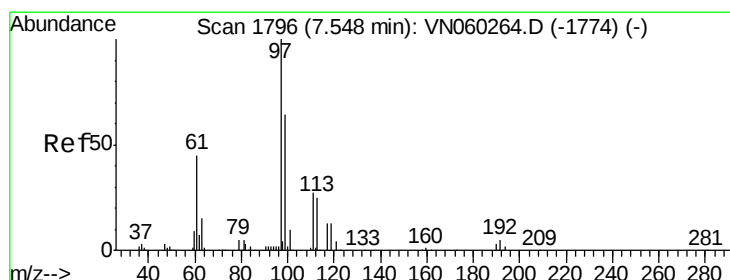
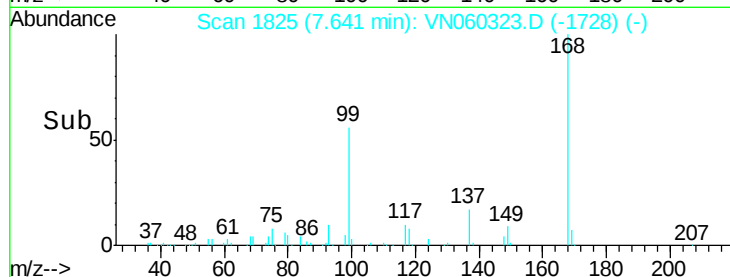
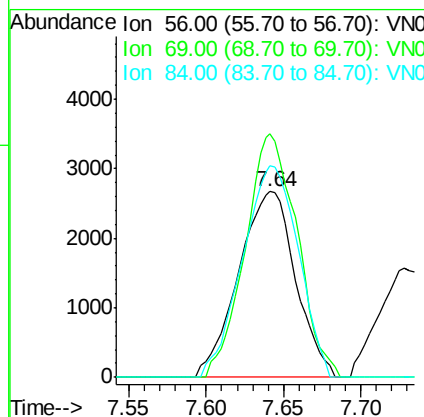
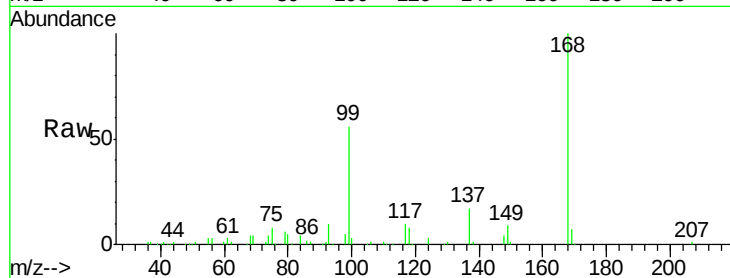
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	56	Resp:	6841
Ion Ratio	Lower	Upper	
56	100		
69	131.3	27.2	40.8#
84	114.0	66.7	100.1#

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#32

1,1,1-Trichloroethane

Concen: 0.787 ug/l

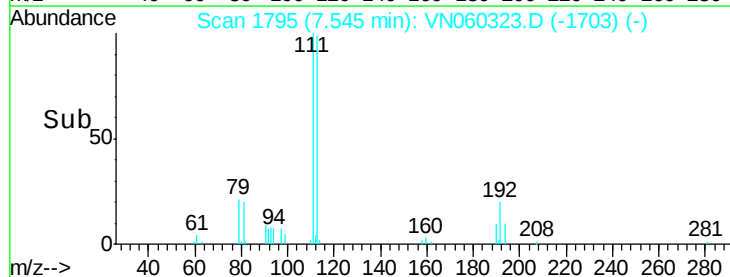
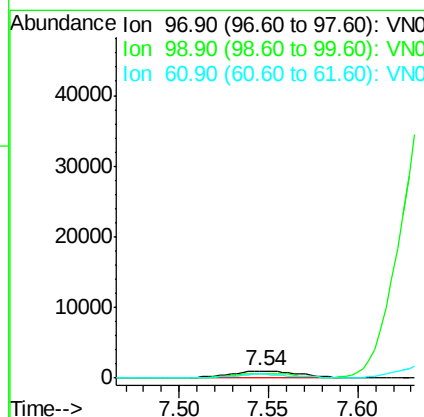
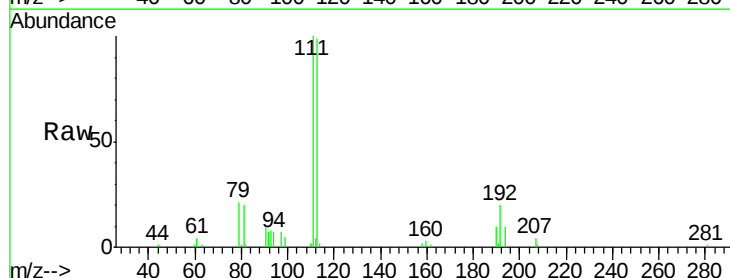
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	97	Resp:	2723
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.4	77.0#
61	44.3	36.6	55.0





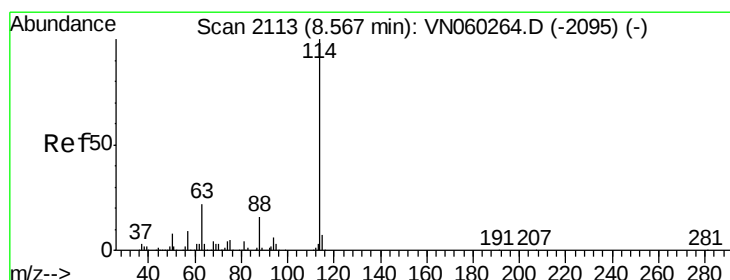
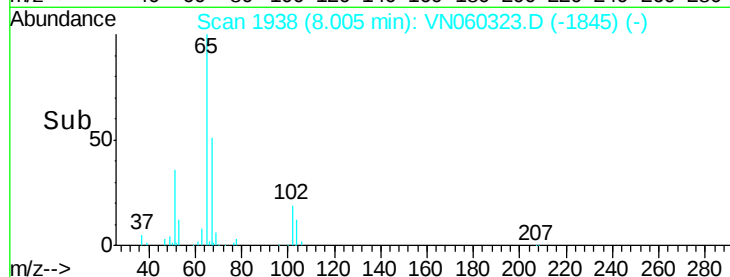
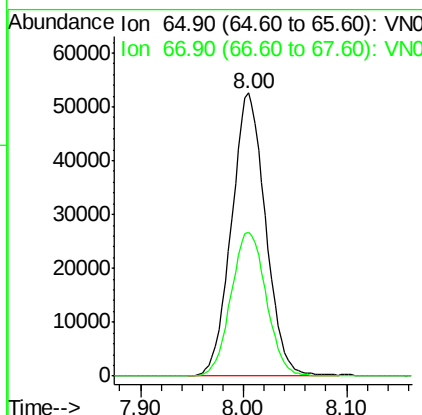
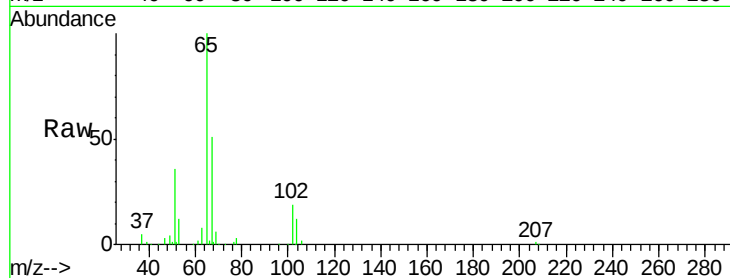
#33
 1,2-Dichloroethane-d4
 Concen: 48.798 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.8	

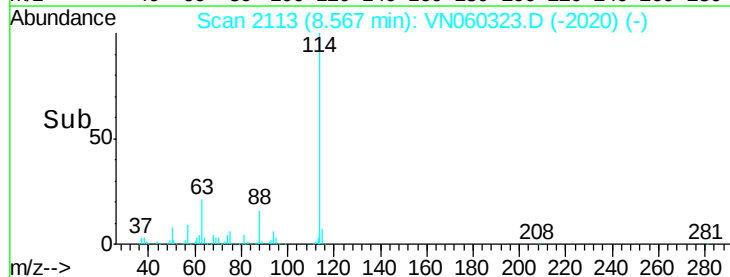
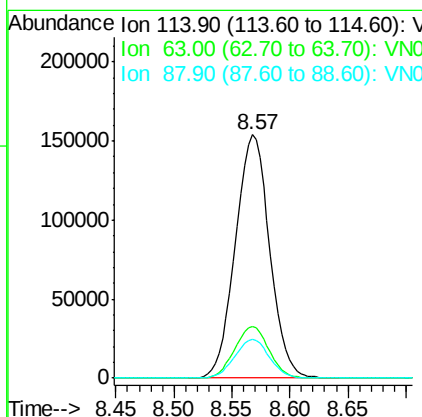
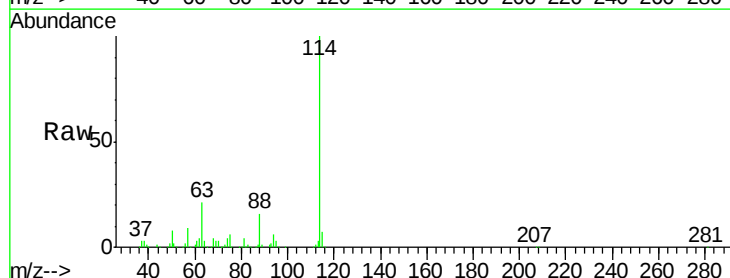
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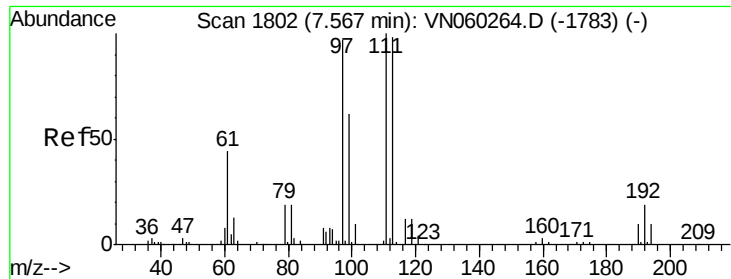
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 3/4/2020 10:44:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	16.0	0.0	31.6	





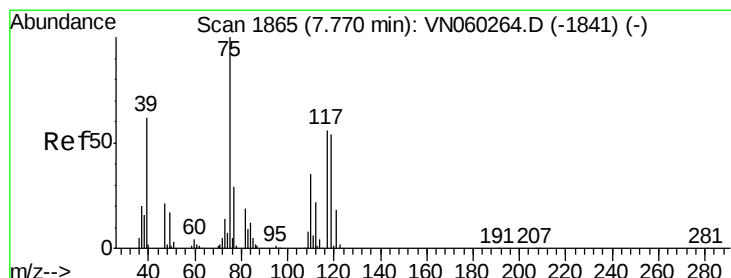
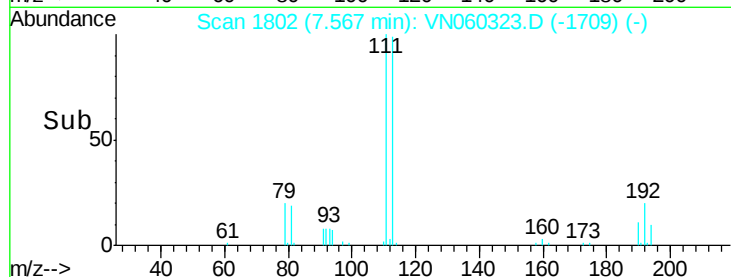
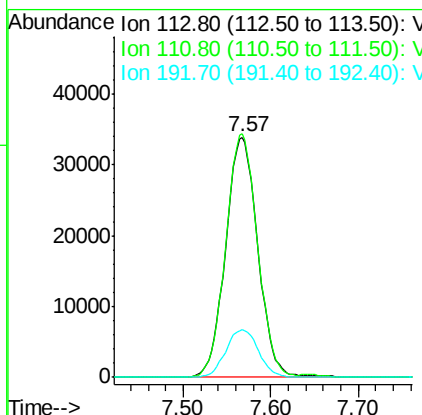
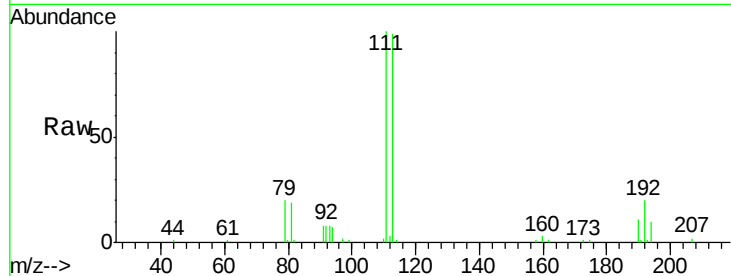
#35
Dibromofluoromethane
Concen: 58.830 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.4	123.6
192	20.0	16.2	24.2

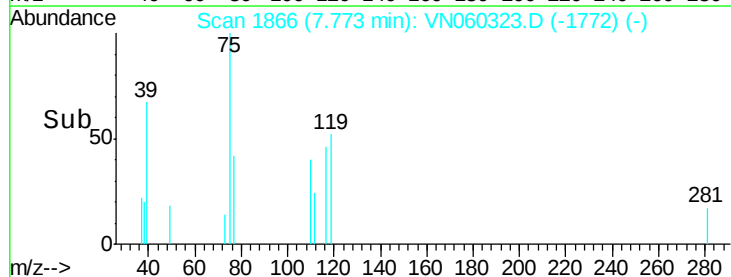
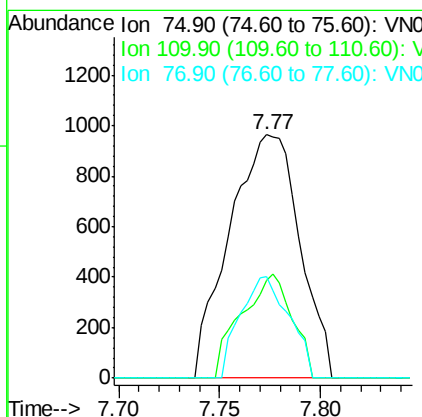
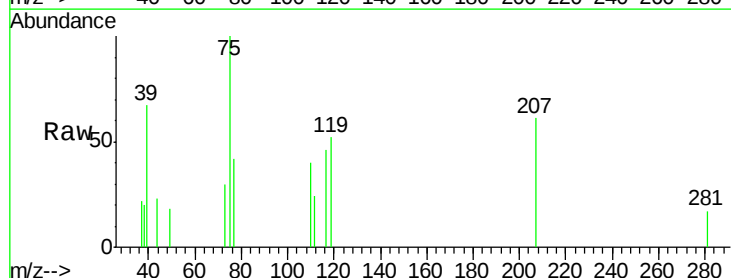
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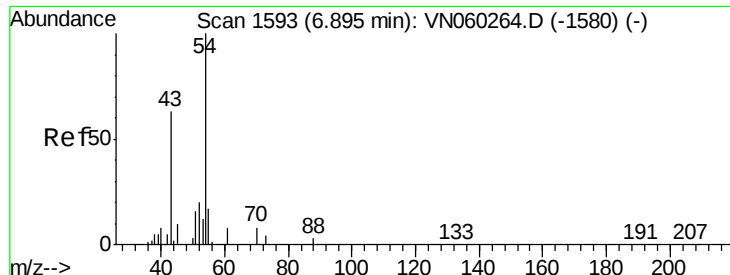
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#36
1,1-Dichloropropene
Concen: 0.773 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	17.3	52.0
77	29.3	24.2	36.2





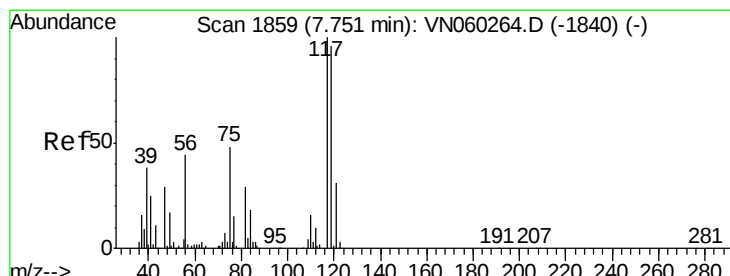
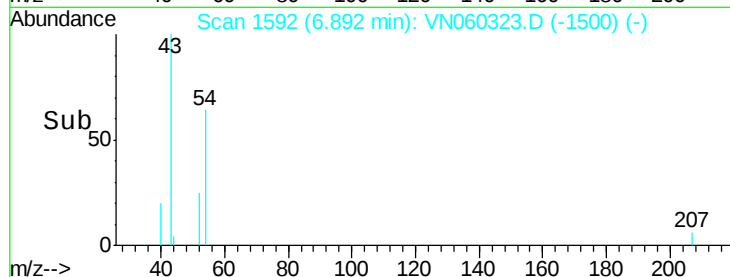
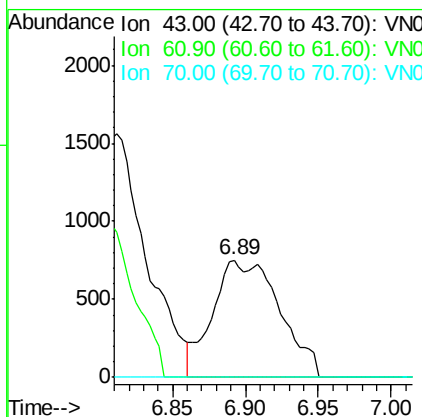
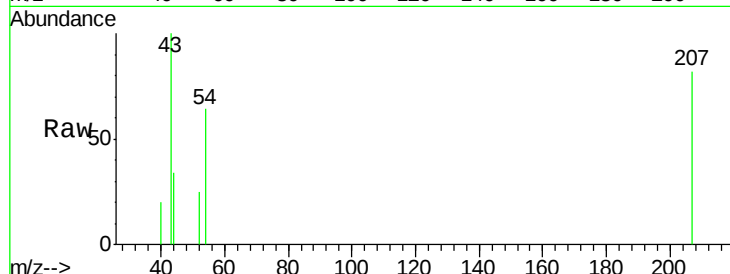
#37
Ethyl Acetate
Concen: 0.839 ug/l m
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.4	12.6#

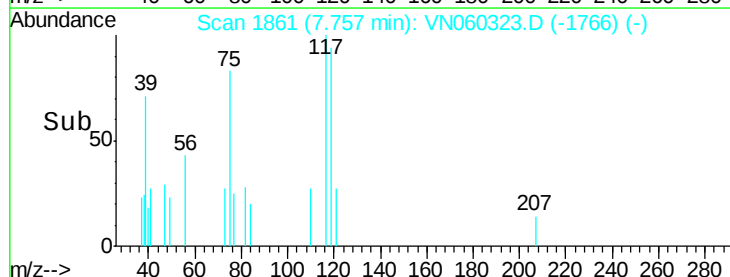
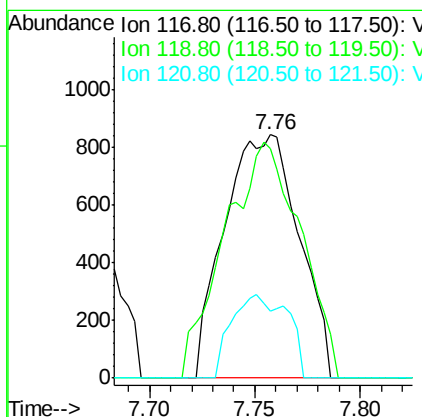
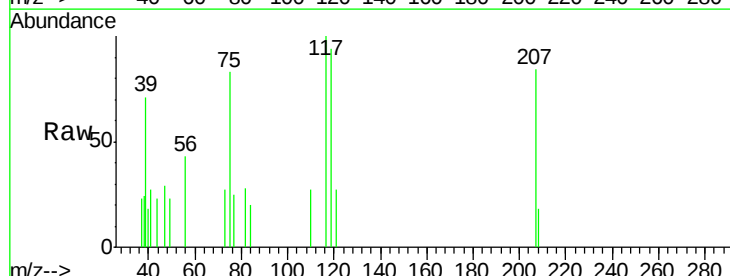
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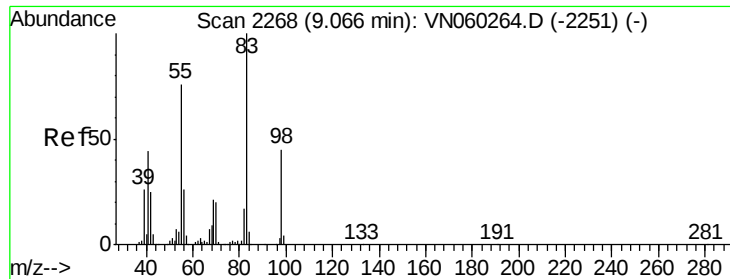
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#38
Carbon Tetrachloride
Concen: 0.706 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.7	115.1
121	27.4	24.5	36.7





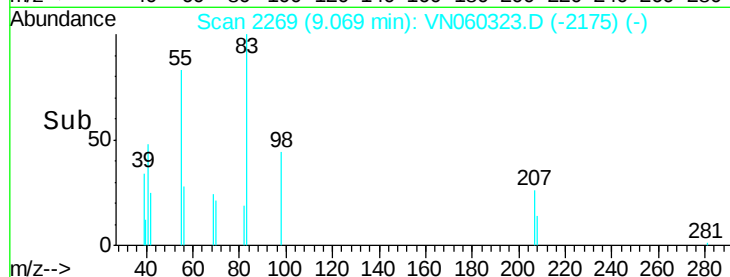
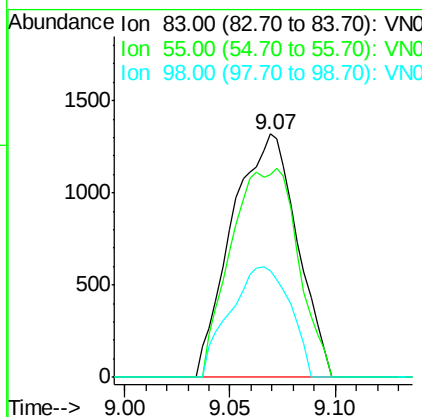
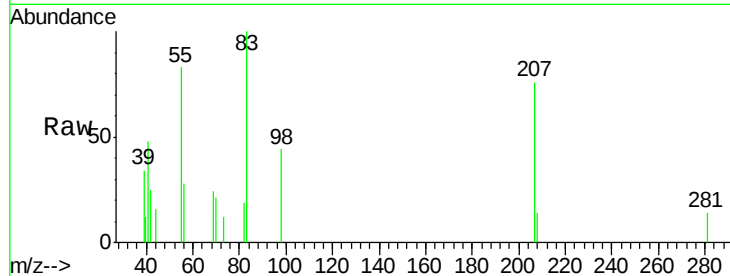
#39
Methylvlcyclohexane
Concen: 0.794 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	61.0	91.4
98	43.7	36.1	54.1

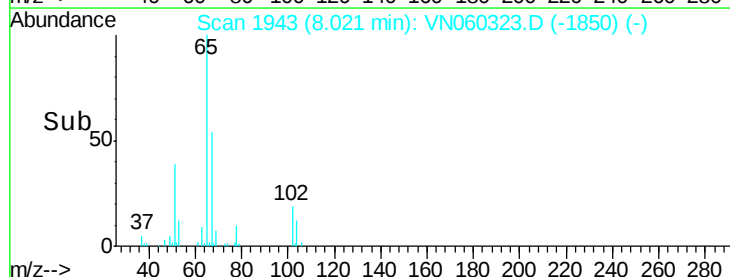
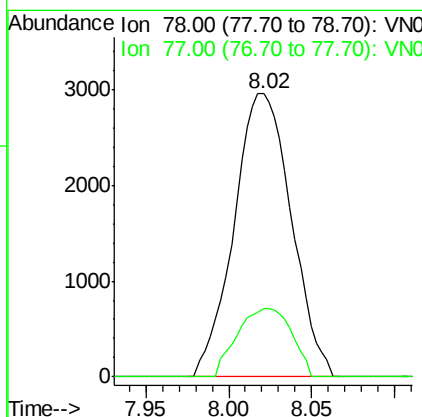
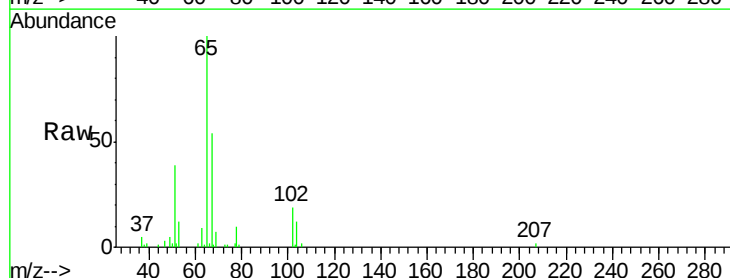
Manual Integrations
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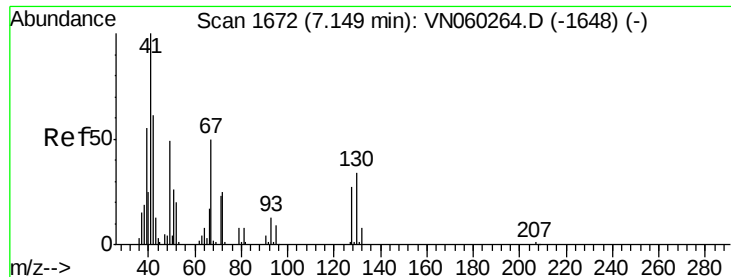
MMDadoda
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#40
Benzene
Concen: 0.810 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





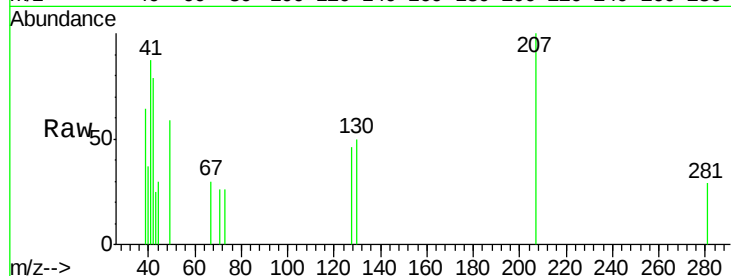
#41
Methacrylonitrile
Concen: 1.043 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

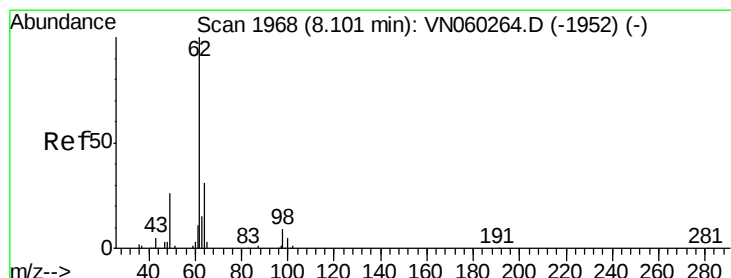
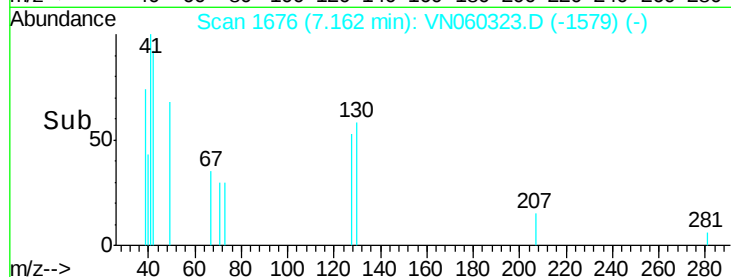
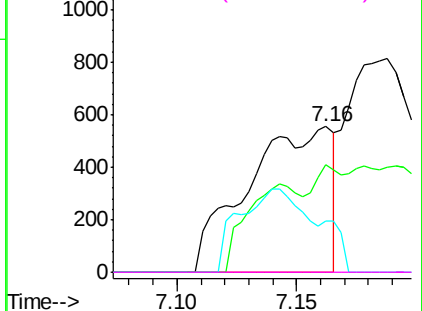
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		1376		
39	38.4	0.0	0.0#		
67	44.5	0.0	0.0#		
52	0.0	0.0	0.0		

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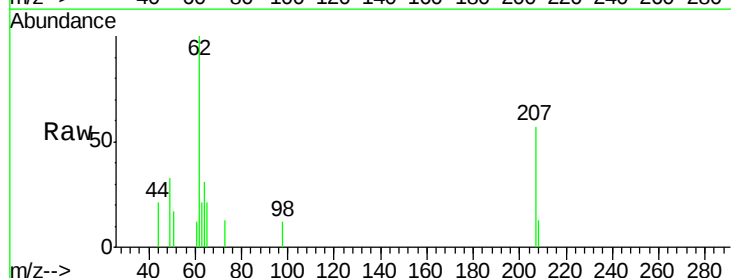


Abundance Ion 41.00 (40.70 to 41.70): VN060323.D (-1579) (-)
Ion 39.00 (38.70 to 39.70): VN060323.D (-1579) (-)
Ion 67.00 (66.70 to 67.70): VN060323.D (-1579) (-)
Ion 52.00 (51.70 to 52.70): VN060323.D (-1579) (-)

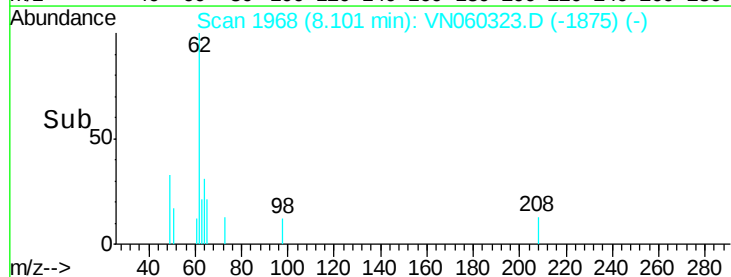
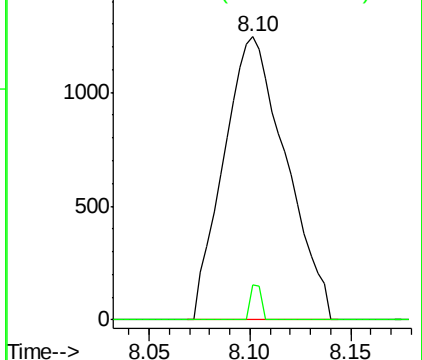


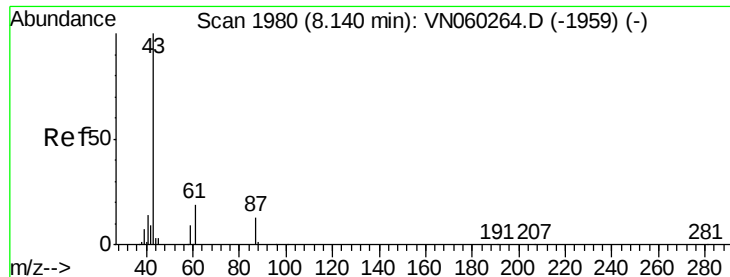
#42
1,2-Dichloroethane
Concen: 0.844 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		2676		
98	2.2	0.0	17.0		



Abundance Ion 61.90 (61.60 to 62.60): VN060323.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN060323.D (-1875) (-)





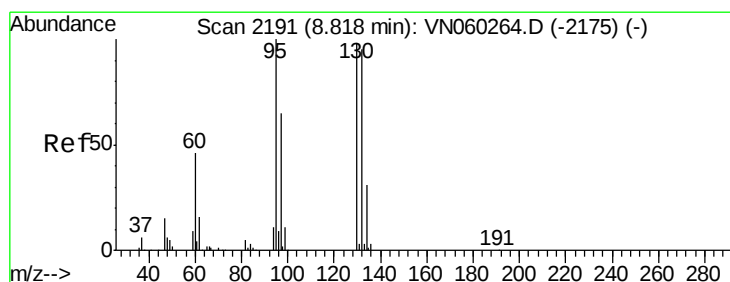
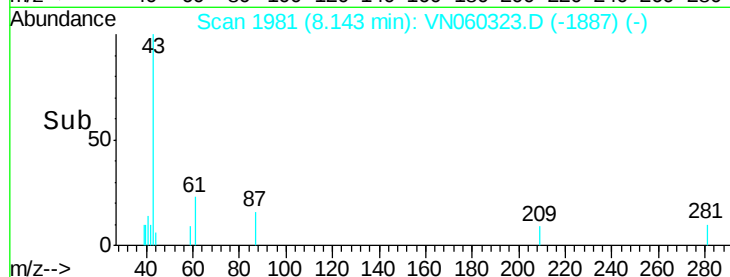
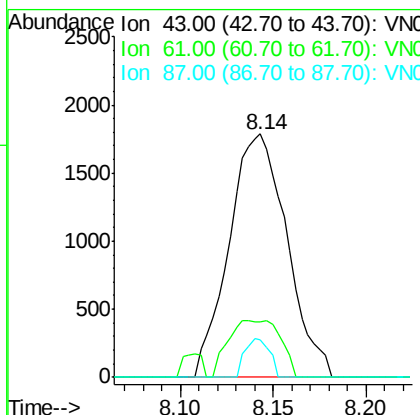
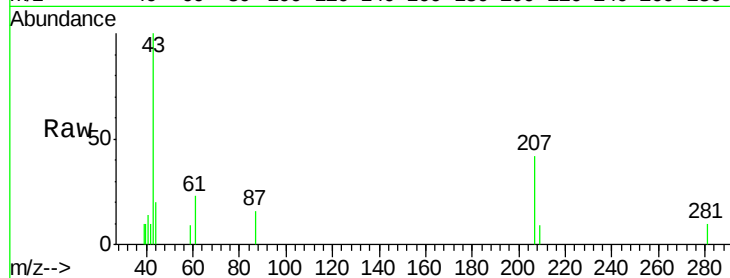
#43
Isopropyl Acetate
Concen: 0.778 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	20.9	31.3
87	6.7	10.6	16.0

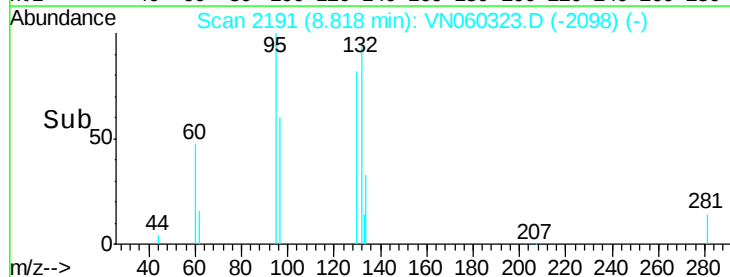
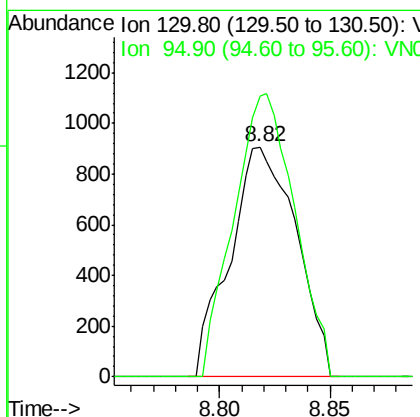
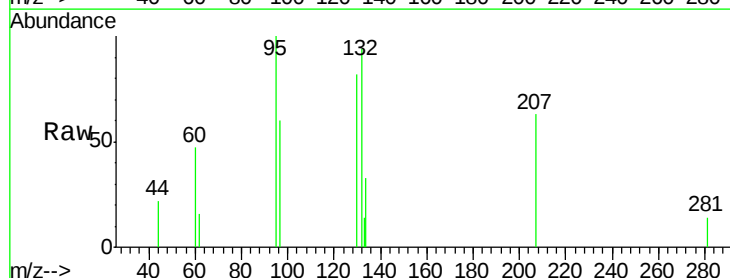
Manual Integrations
APPROVED

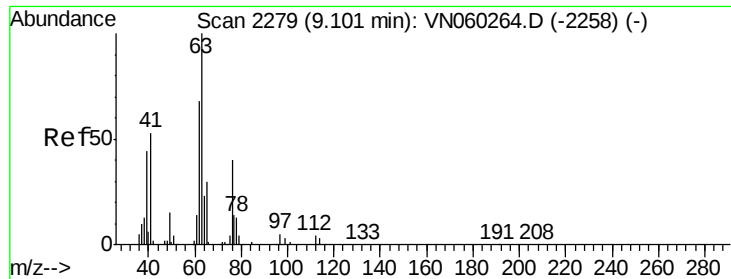
MMDadoda
3/4/2020 10:44:28 AM



#44
Trichloroethene
Concen: 0.777 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.9	0.0	203.4





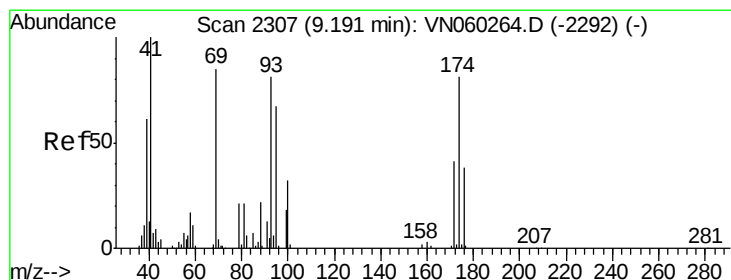
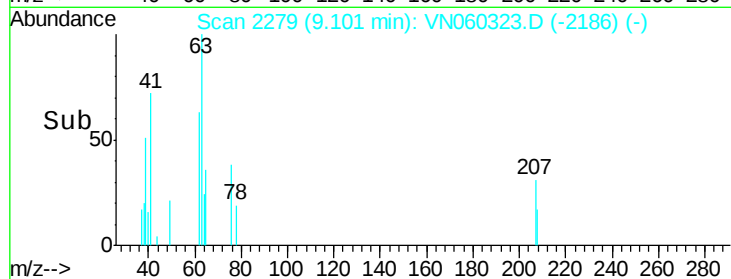
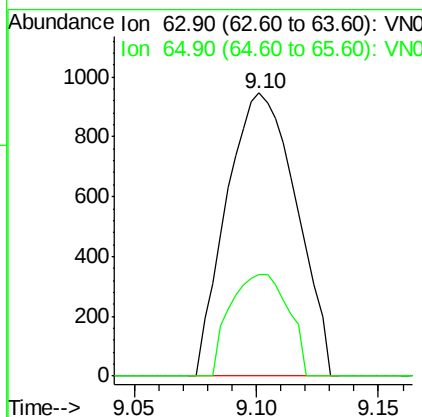
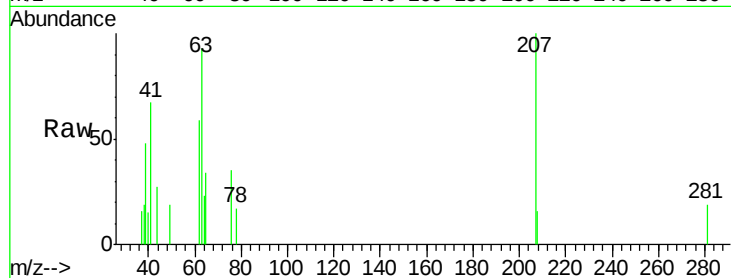
#45
 1,2-Dichloropropane
 Concen: 0.818 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.9	24.4	36.6

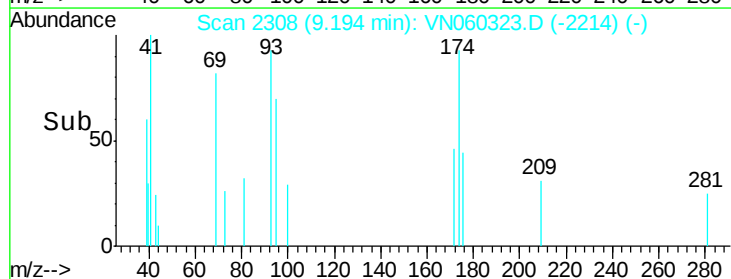
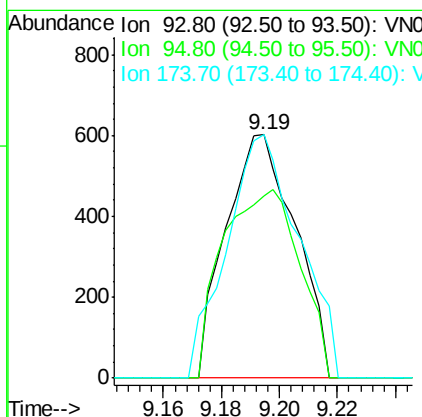
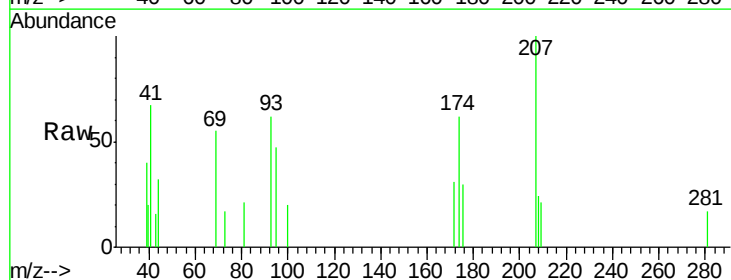
Manual Integrations
 APPROVED

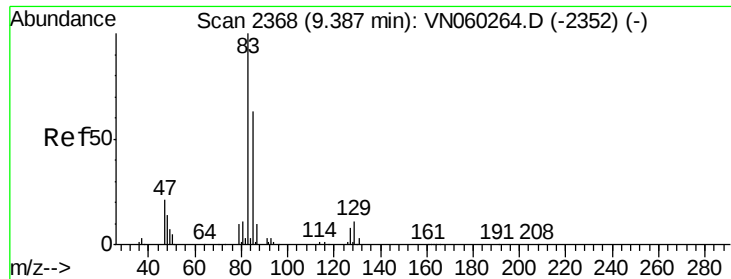
MMDadoda
 3/4/2020 10:44:28 AM



#46
 Dibromomethane
 Concen: 0.671 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.5	65.9	98.9
174	103.7	79.6	119.4





#47

Bromodichloromethane

Concen: 0.749 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

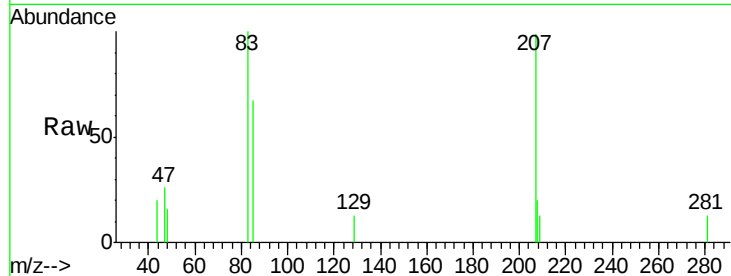
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	83	Resp:	2270
Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.7	76.1
127	0.0	6.8	10.2#

Manual Integrations
APPROVED

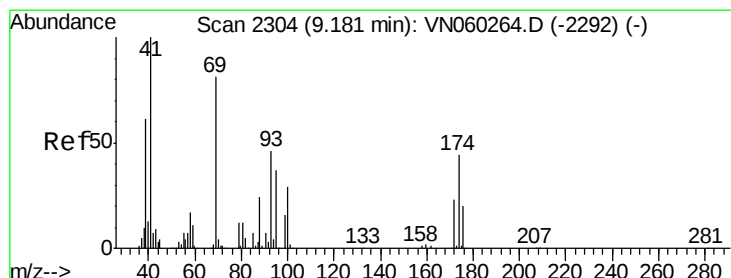
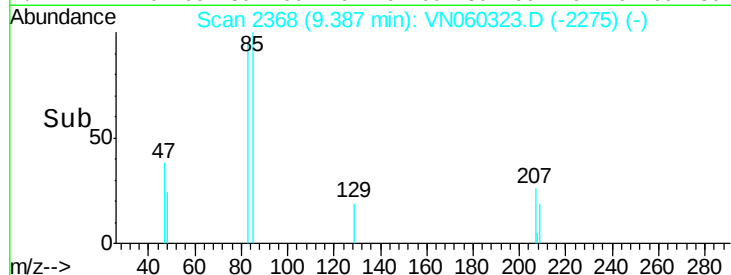
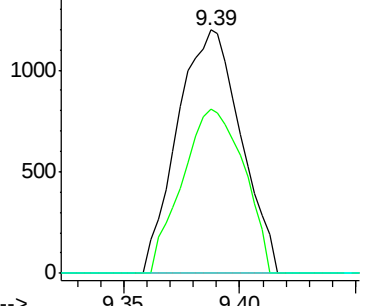
MMDadoda
3/4/2020 10:44:28 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060323.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060323.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060323.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.799 ug/l

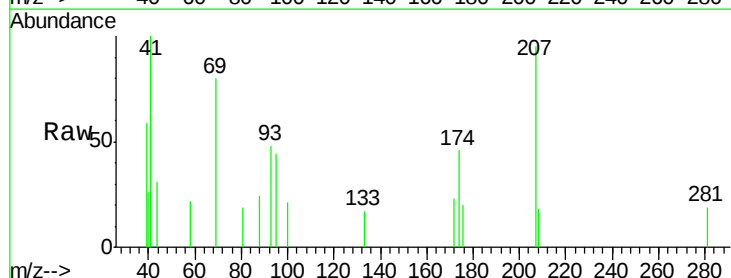
RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

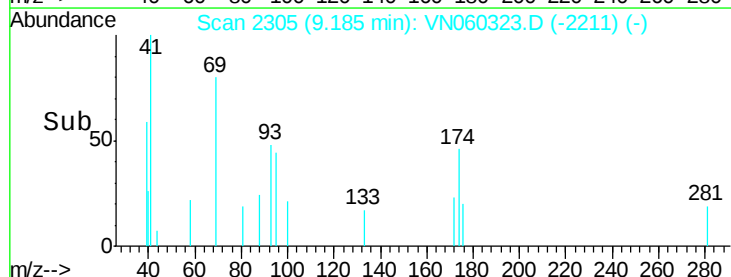
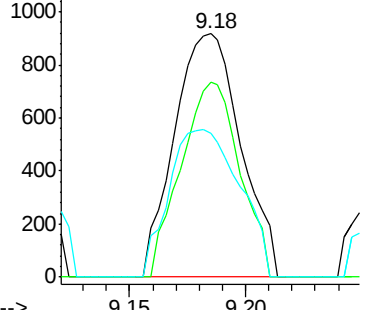
Tgt Ion:	41	Resp:	1822
Ion	Ratio	Lower	Upper
41	100		
69	71.1	66.7	100.1
39	64.6	50.1	75.1

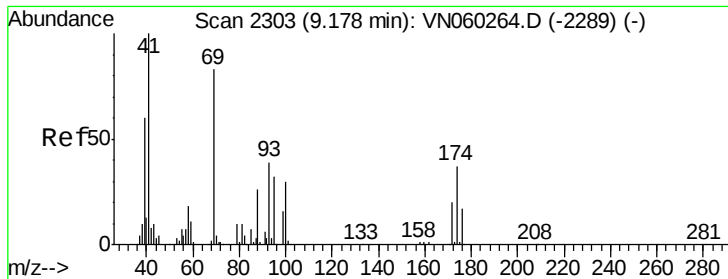


Abundance Ion 41.00 (40.70 to 41.70): VN060323.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060323.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060323.D (-2211) (-)





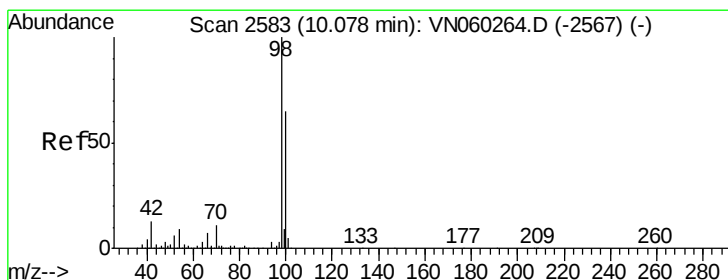
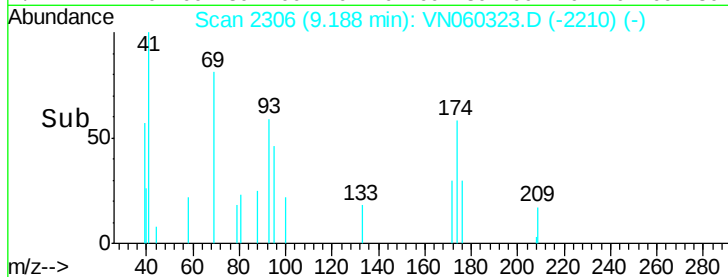
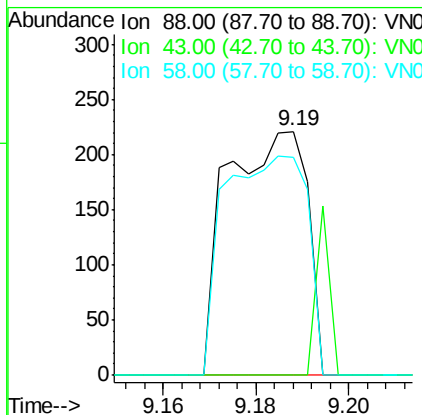
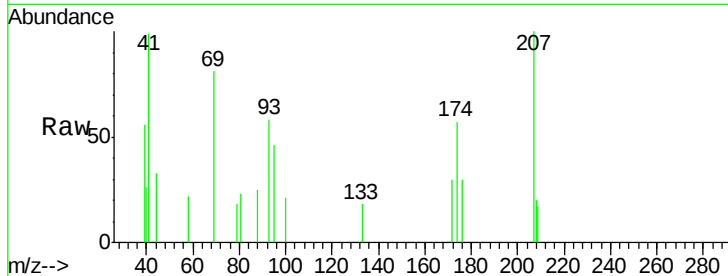
#49
1,4-Dioxane
Concen: 8.231 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.4	45.6#
58	93.6	57.0	85.6#

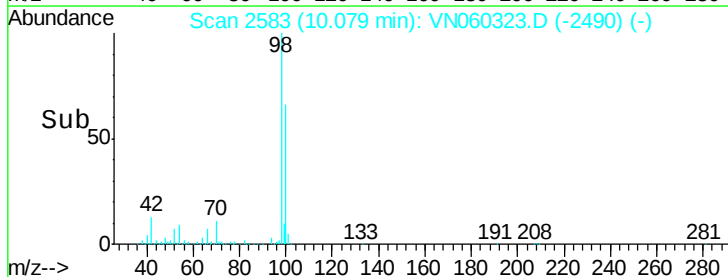
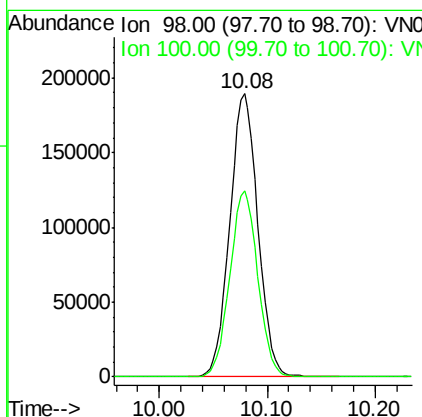
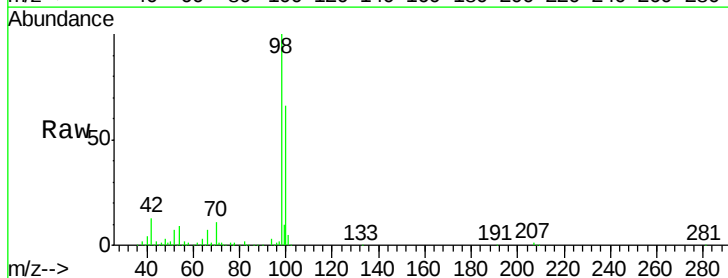
Manual Integrations
APPROVED

MMDadoda
3/4/2020 10:44:28 AM



#50
Toluene-d8
Concen: 46.248 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 3.531 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 10012

Ion Ratio Lower Upper

43 100

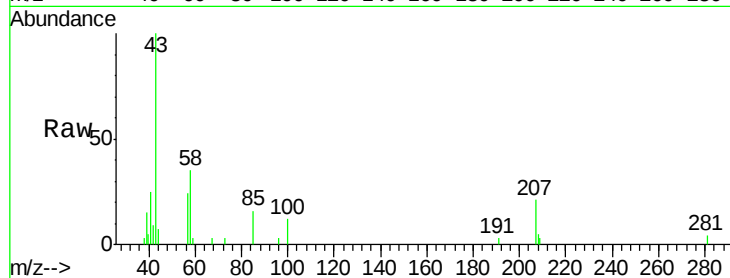
58 38.9 30.9 46.3

Manual Integrations

APPROVED

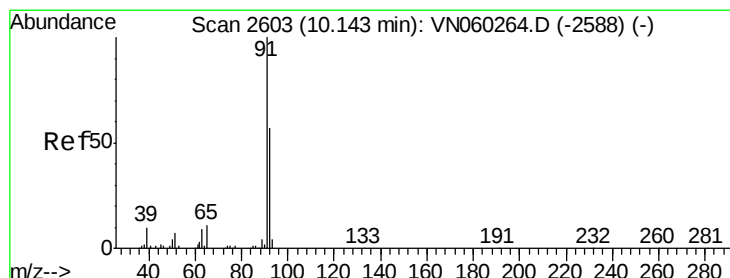
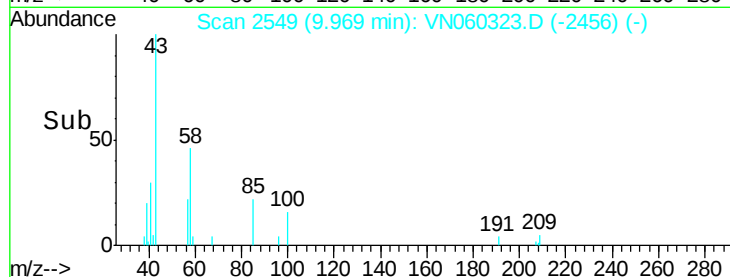
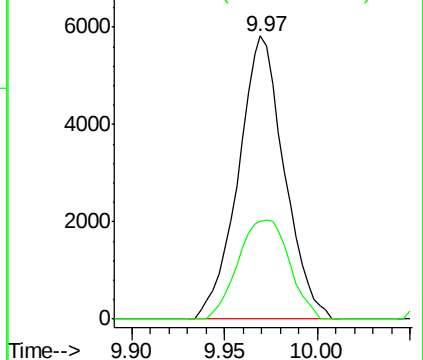
MMDadoda

3/4/2020 10:44:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)



#52

Toluene

Concen: 0.738 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060323.D

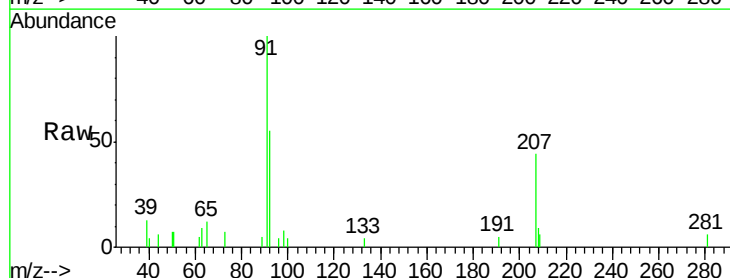
Acq: 3 Mar 2020 12:48

Tgt Ion: 92 Resp: 4073

Ion Ratio Lower Upper

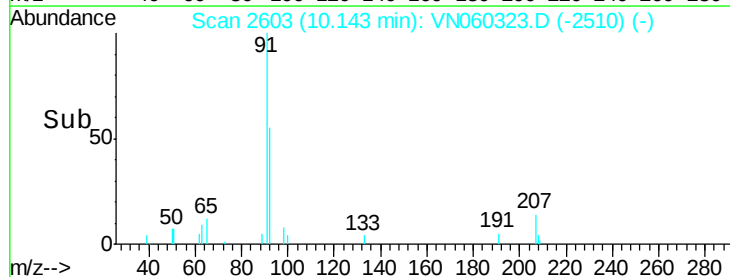
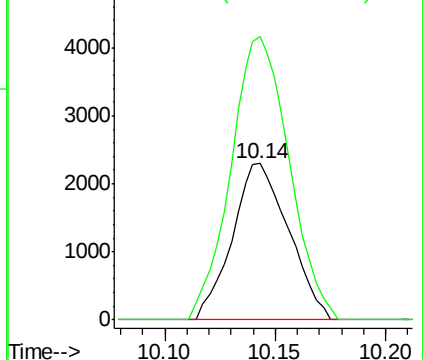
92 100

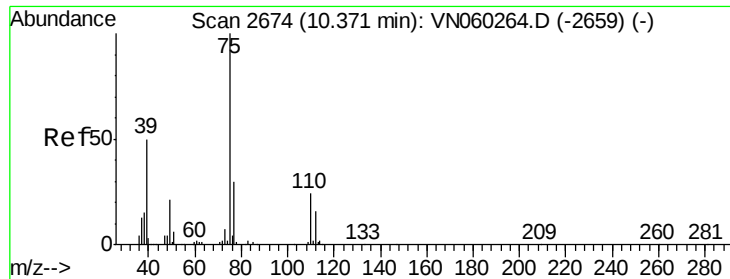
91 186.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)





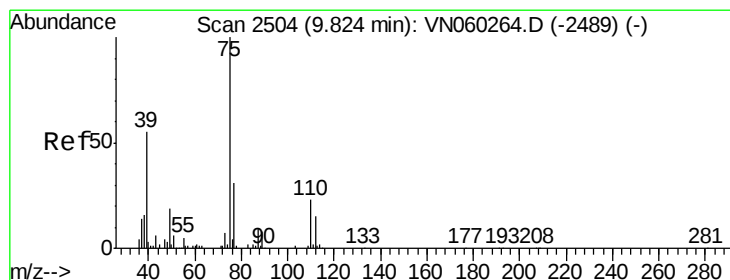
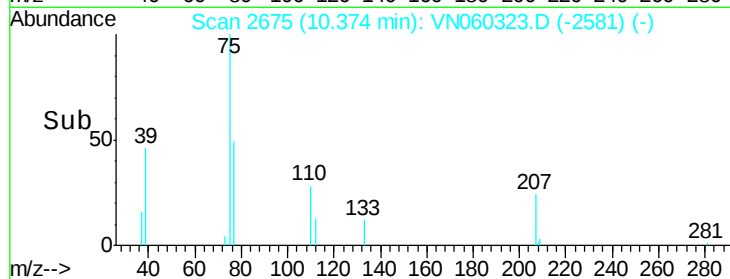
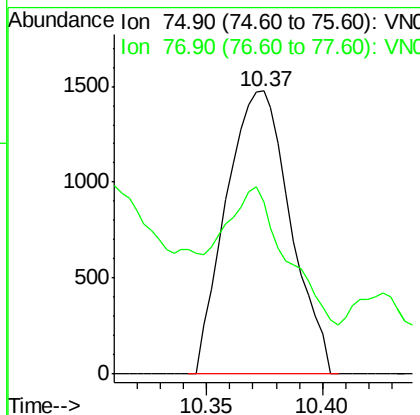
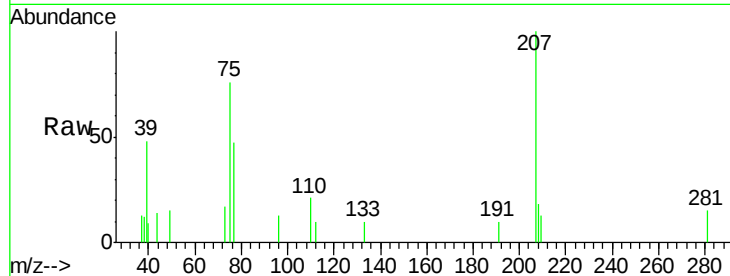
#53
t-1,3-Dichloropropene
Concen: 0.763 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion: 75 Resp: 2834
Ion Ratio Lower Upper
75 100
77 43.5 24.8 37.2#

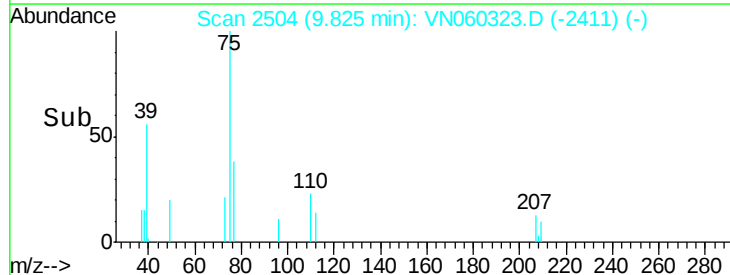
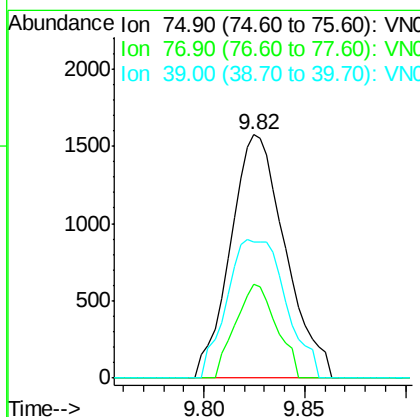
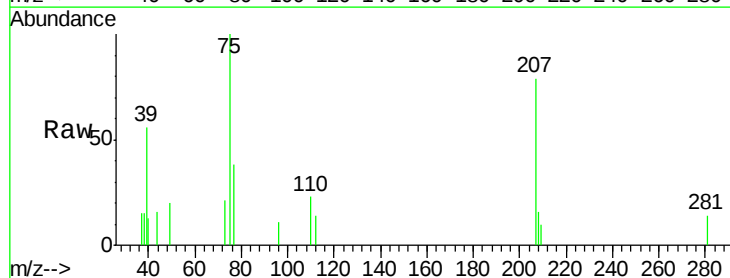
Manual Integrations
APPROVED

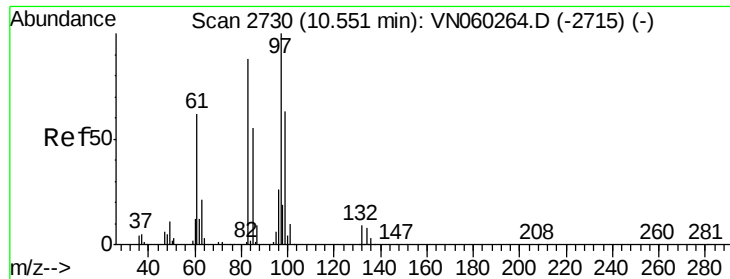
MMDadoda
3/4/2020 10:44:28 AM



#54
cis-1,3-Dichloropropene
Concen: 0.778 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 75 Resp: 2992
Ion Ratio Lower Upper
75 100
77 38.5 24.8 37.2#
39 55.9 43.8 65.8





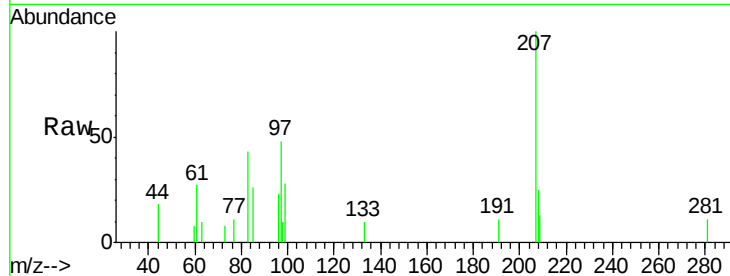
#55
 1,1,2-Trichloroethane
 Concen: 0.835 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.0	105.0
85	54.4	44.0	66.0
99	58.3	50.4	75.6

Manual Integrations
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MMDadoda
 3/4/2020 10:44:28 AM



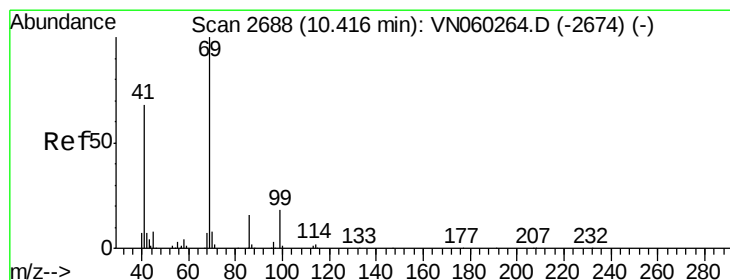
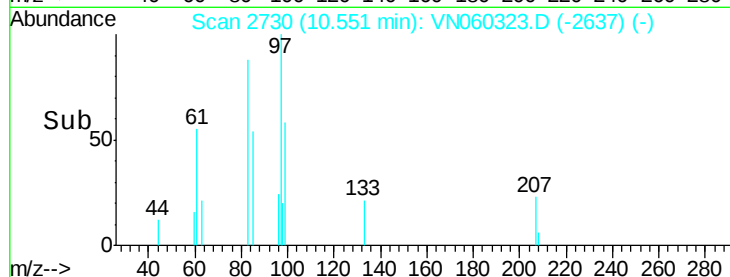
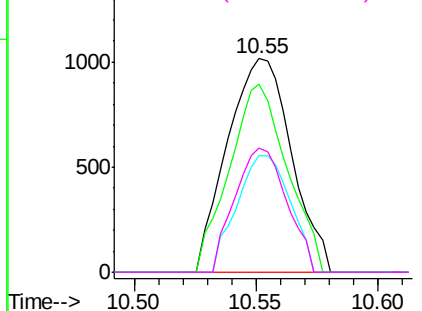
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

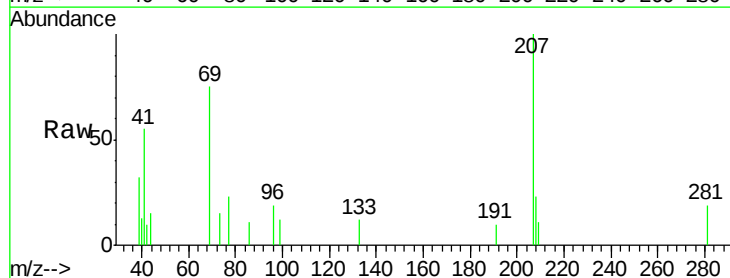
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 0.632 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.2	54.1	81.1#
39	59.5	32.5	48.7#

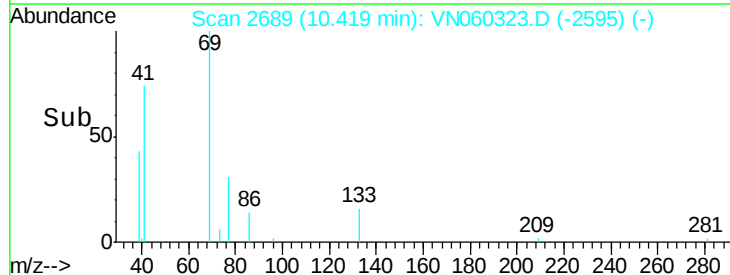
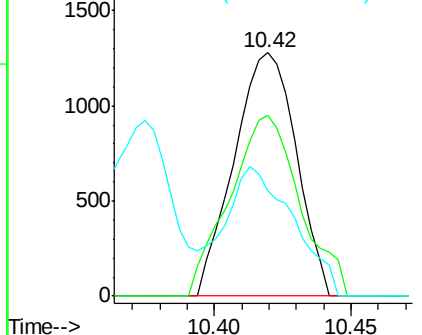


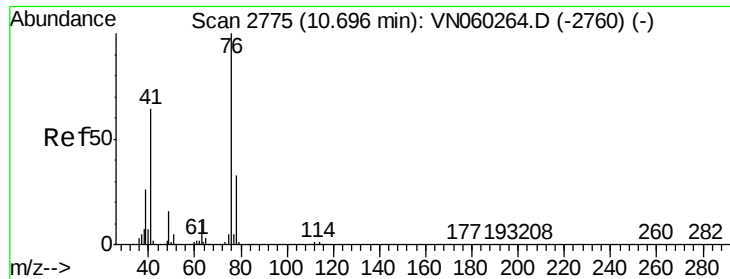
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





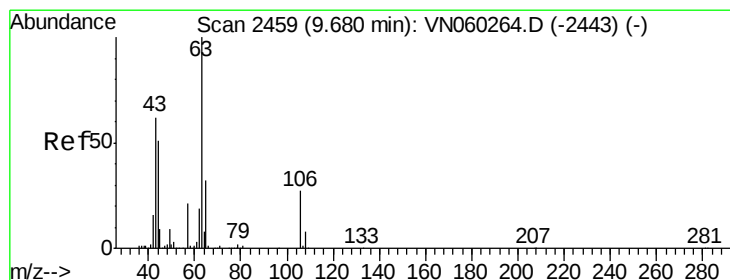
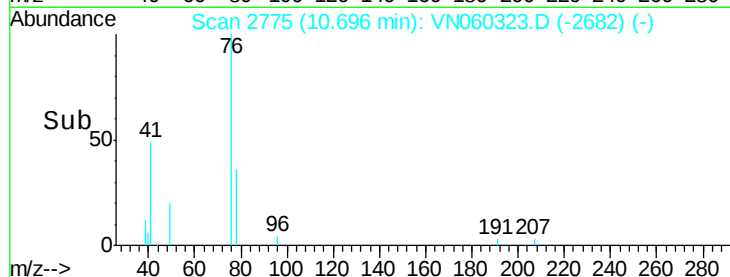
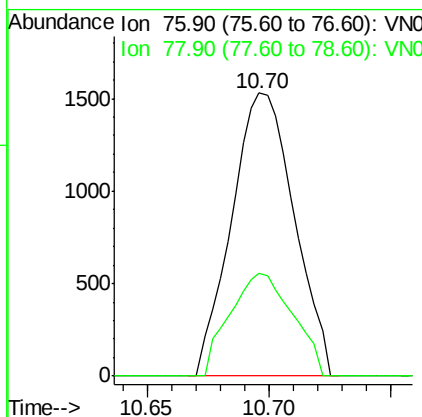
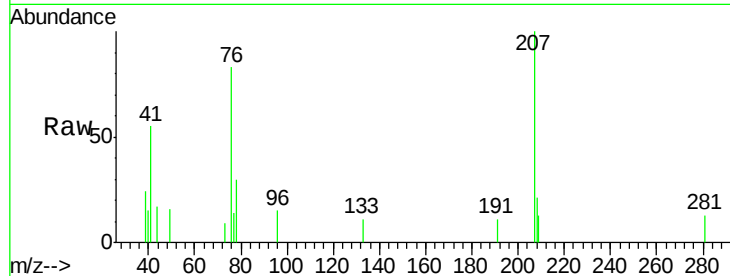
#57
 1,3-Dichloropropane
 Concen: 0.751 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.7	26.2	39.2

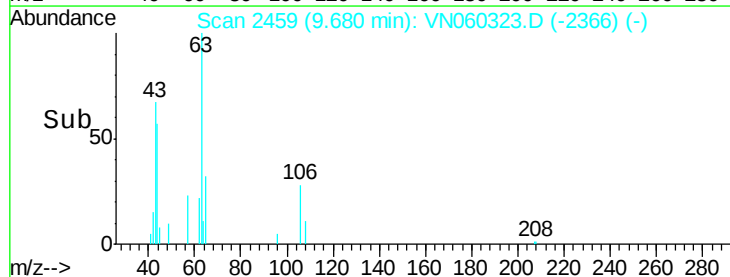
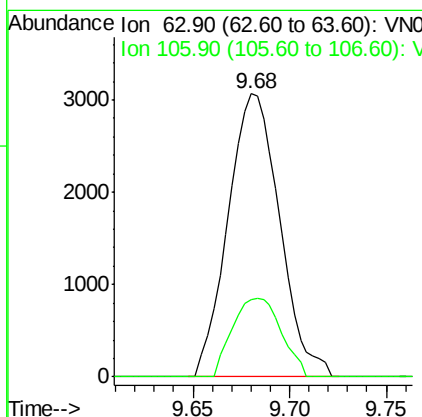
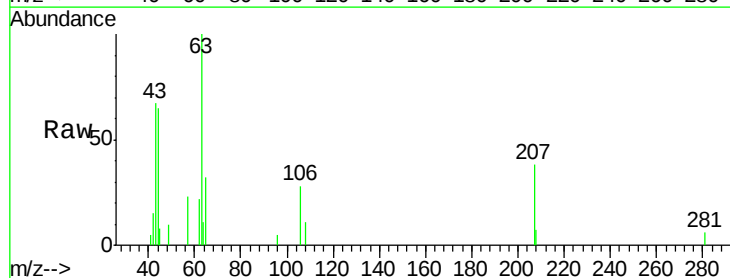
Manual Integrations
 APPROVED

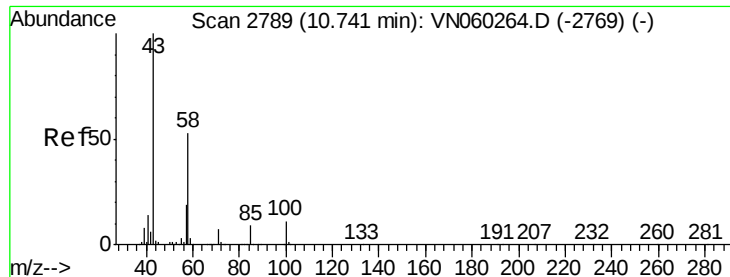
MMDadoda
 3/4/2020 10:44:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.408 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.1	31.7





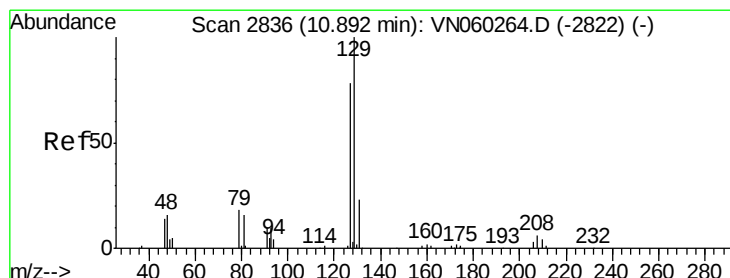
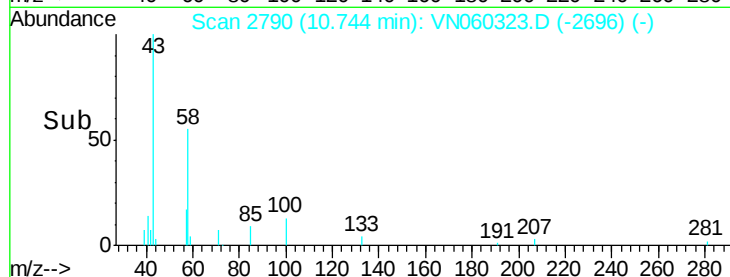
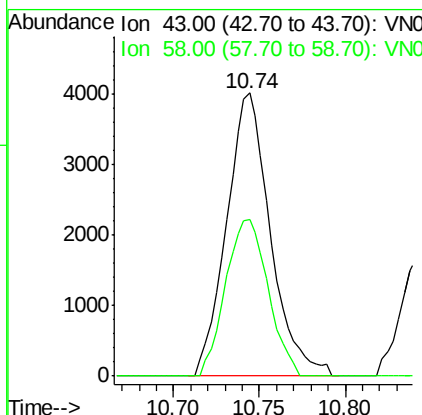
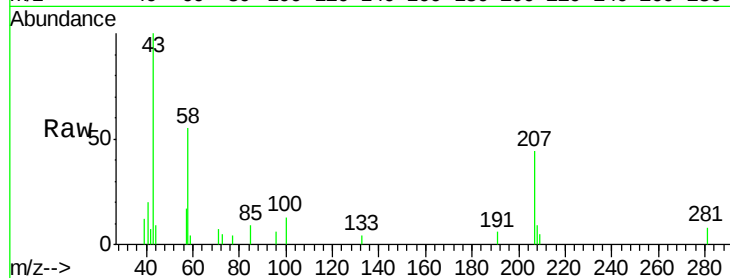
#59
2-Hexanone
Concen: 3.421 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion: 43 Resp: 7123
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5

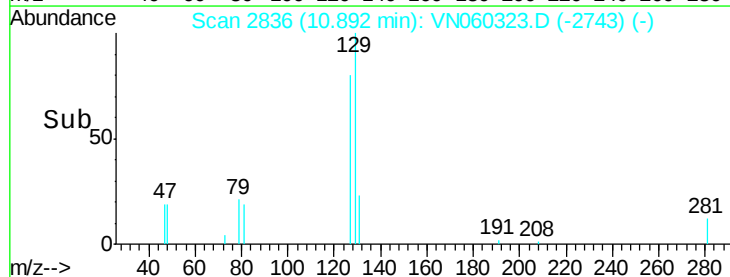
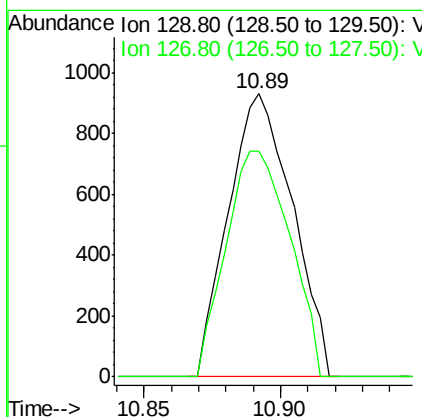
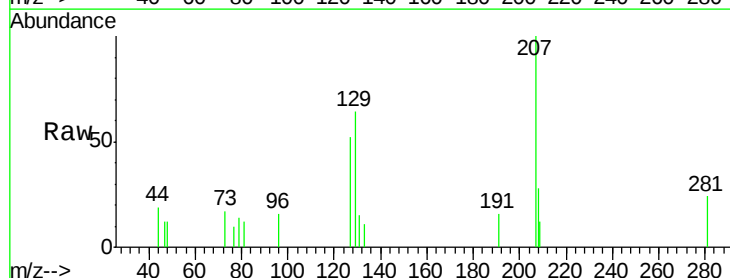
Manual Integrations
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#60
Dibromochloromethane
Concen: 0.672 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 129 Resp: 1517
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.7





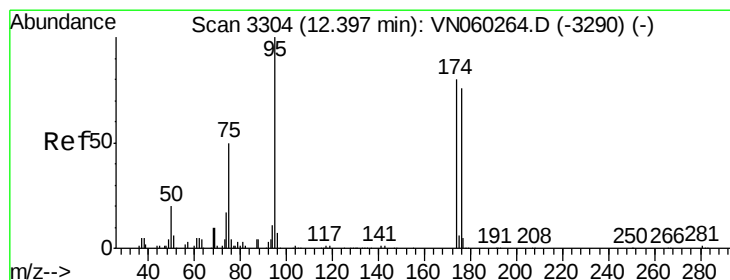
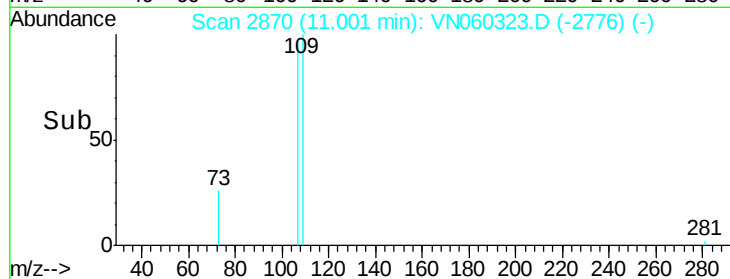
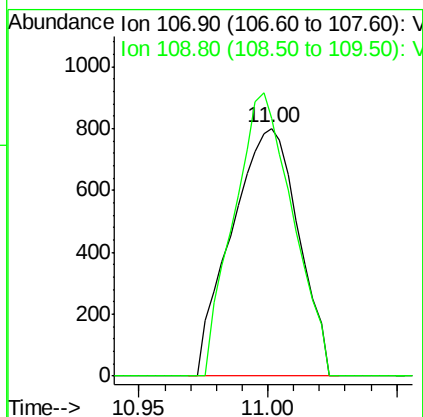
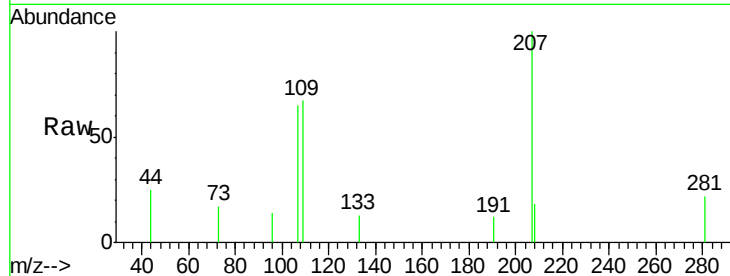
#61
 1,2-Dibromoethane
 Concen: 0.669 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion: 107 Resp: 1446
 Ion Ratio Lower Upper
 107 100
 109 100.8 76.8 115.2

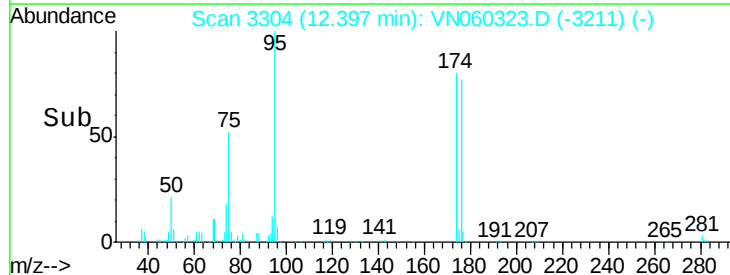
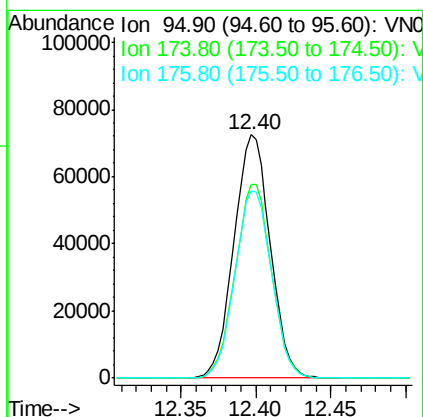
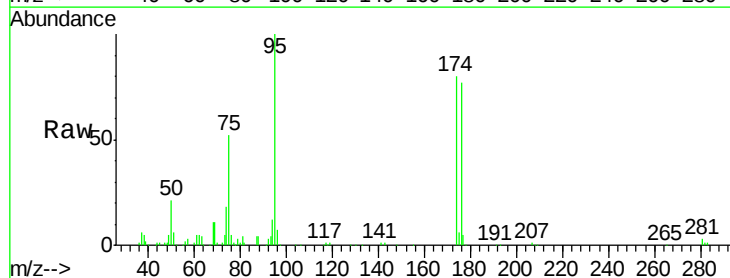
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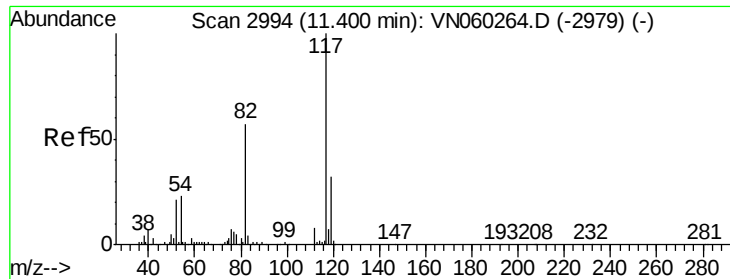
MMDadoda
 3/4/2020 10:44:28 AM



#62
 4-Bromofluorobenzene
 Concen: 43.325 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 95 Resp: 122138
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 159.2
 176 78.2 0.0 153.8





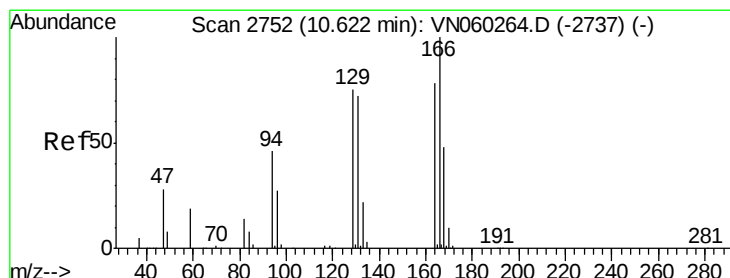
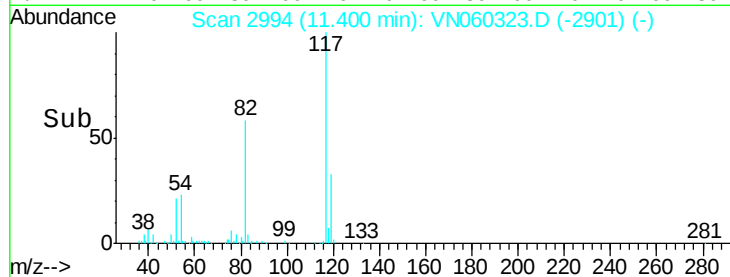
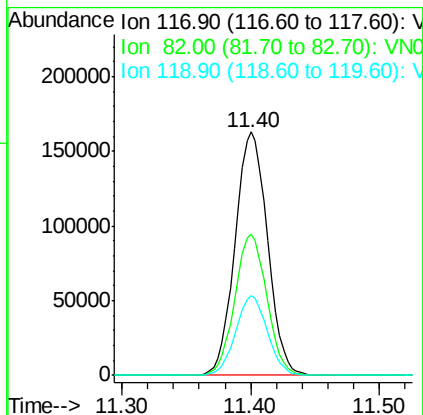
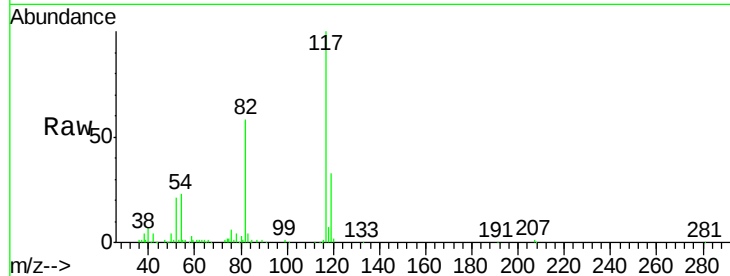
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283814		
82	58.2		45.8	68.6
119	32.6		25.8	38.8

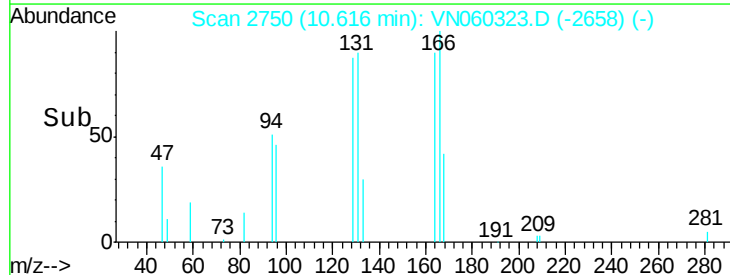
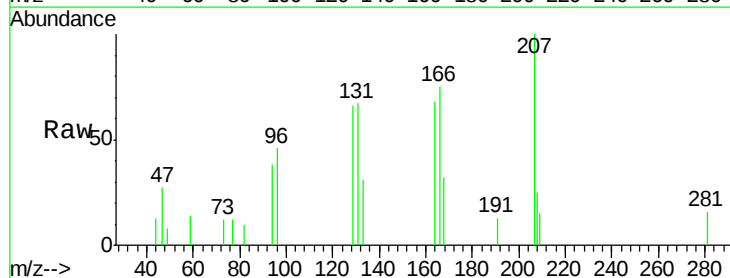
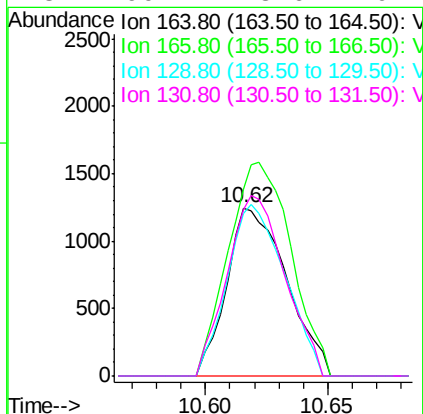
Manual Integrations
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#64
Tetrachloroethene
Concen: 0.844 ug/l
RT: 10.62 min Scan# 2750
Delta R.T. -0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2129		
166	111.0		102.0	153.0
129	97.1		76.4	114.6
131	99.4		73.6	110.4





#65

Chlorobenzene

Concen: 0.799 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:112 Resp: 4581

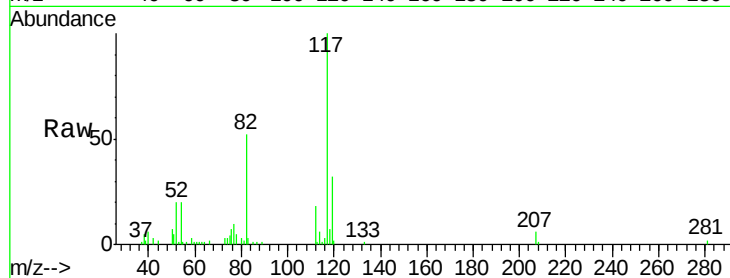
Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0

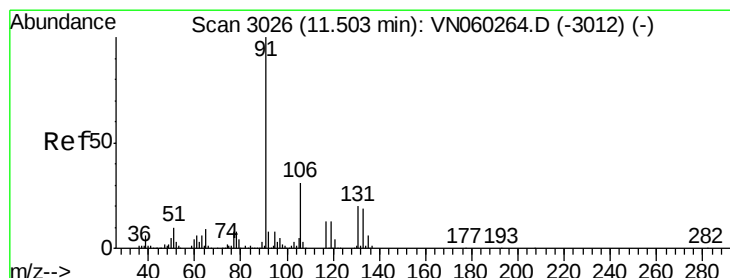
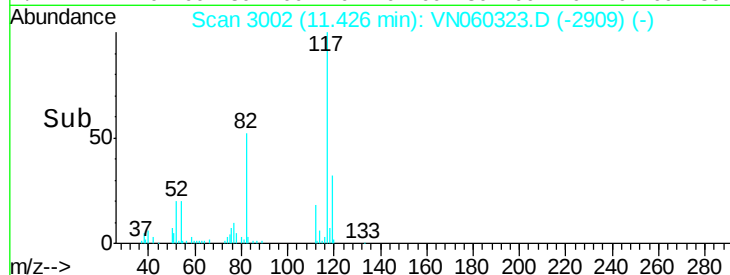
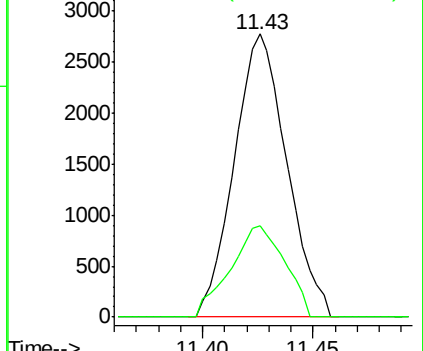
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.807 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

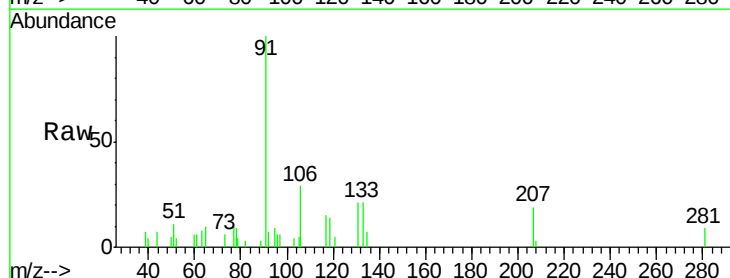
Tgt Ion:131 Resp: 1709

Ion Ratio Lower Upper

131 100

133 116.7 47.7 143.1

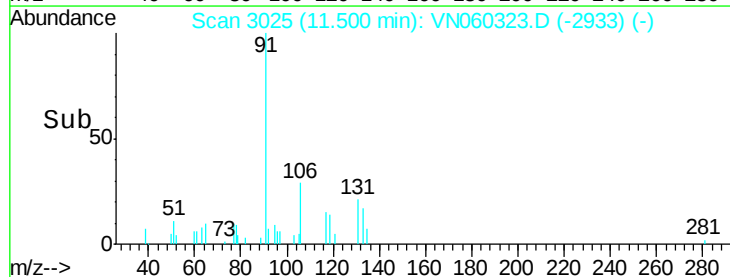
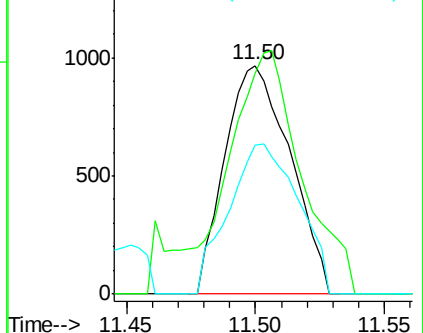
119 0.0 33.2 99.6#

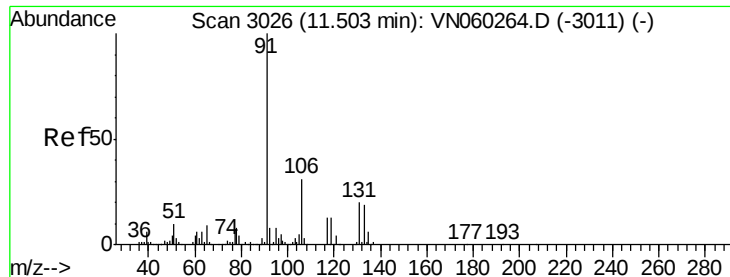


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 0.777 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 8108

Ion Ratio Lower Upper

91 100

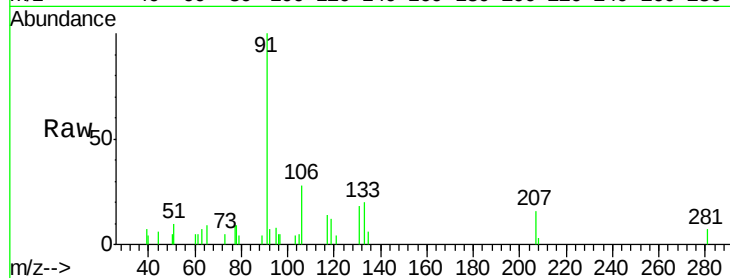
106 28.3 24.7 37.1

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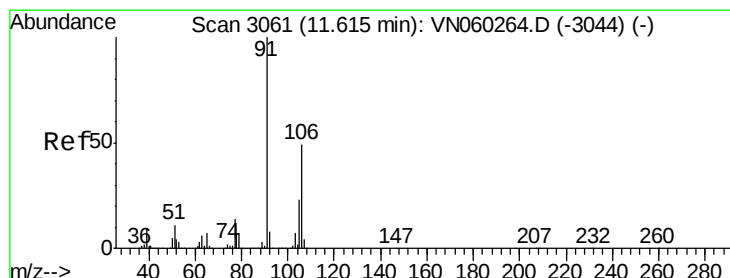
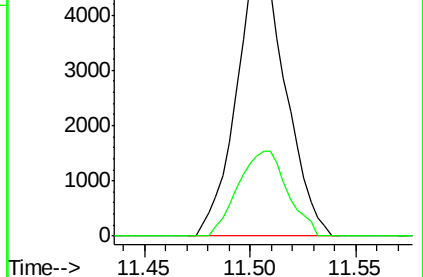
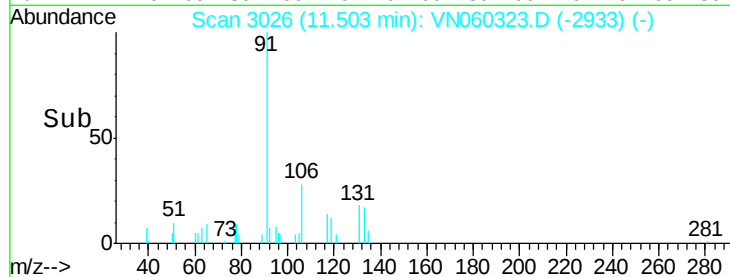


Abundance Ion 91.00 (90.70 to 91.70): VN060323.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060323.D (-2933) (-)

11.50

Time-->



#68

m/p-Xylenes

Concen: 1.523 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060323.D

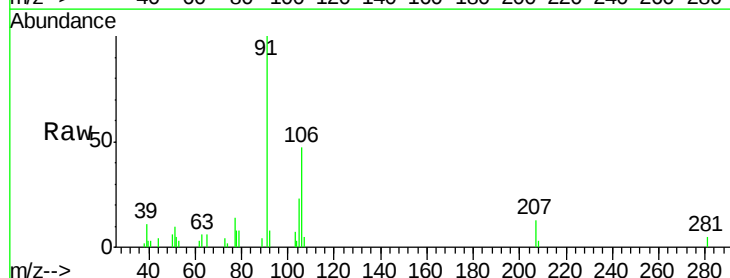
Acq: 3 Mar 2020 12:48

Tgt Ion: 106 Resp: 5995

Ion Ratio Lower Upper

106 100

91 210.0 164.5 246.7

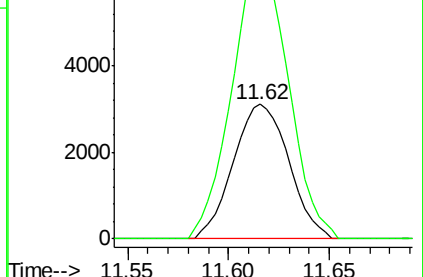
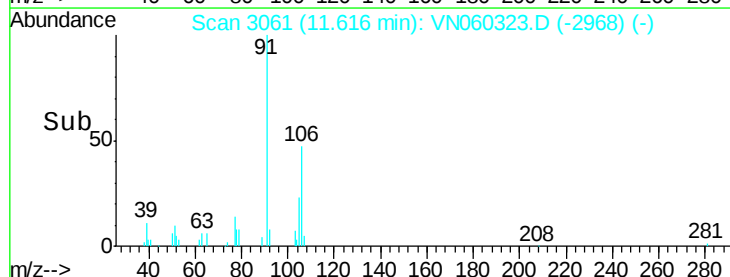


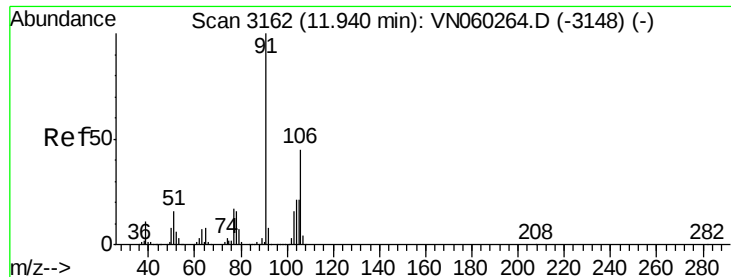
Abundance Ion 106.00 (105.70 to 106.70): VN060323.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060323.D (-2968) (-)

11.62

Time-->





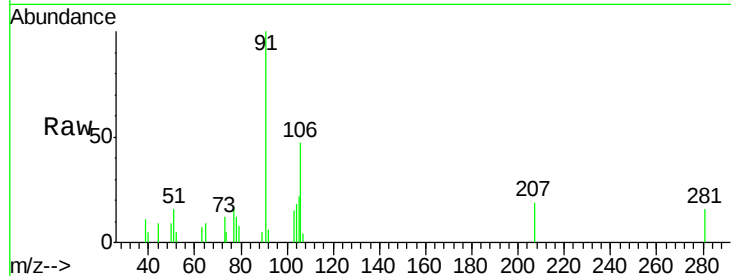
#69
o-Xylene
Concen: 0.737 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

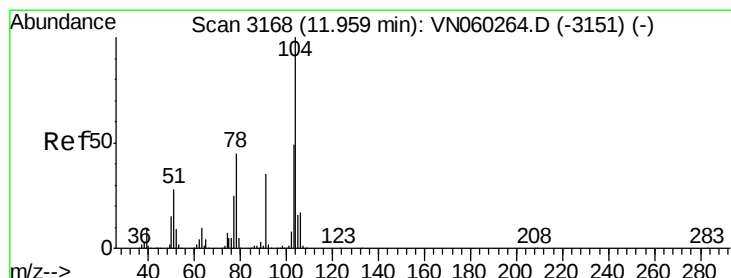
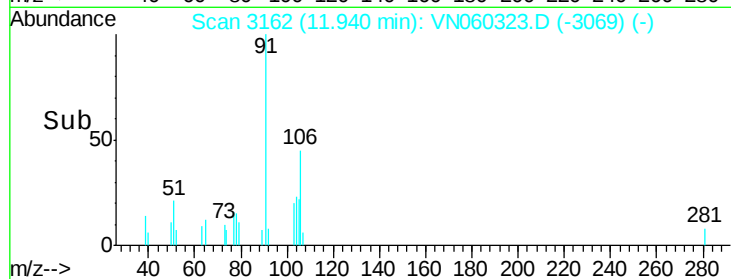
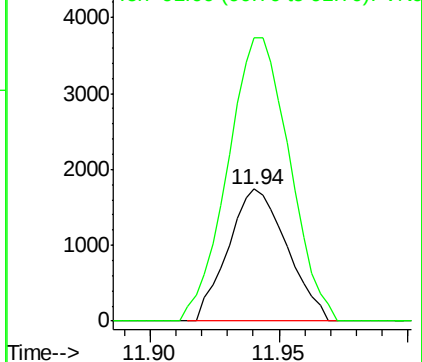
Tot Ion:106 Resp: 2768
Ion Ratio Lower Upper
106 100
91 225.6 109.5 328.4

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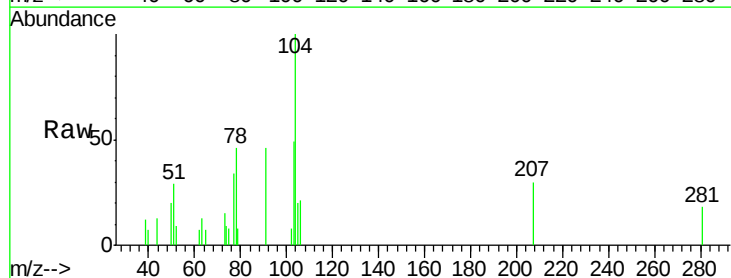


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

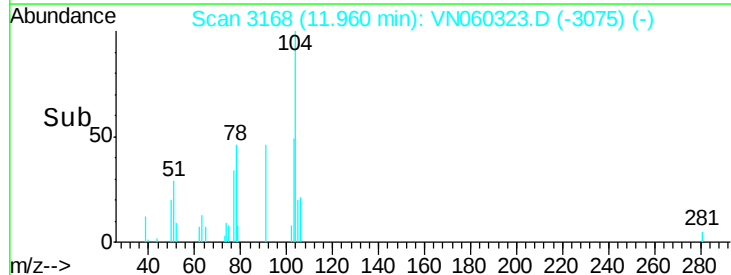
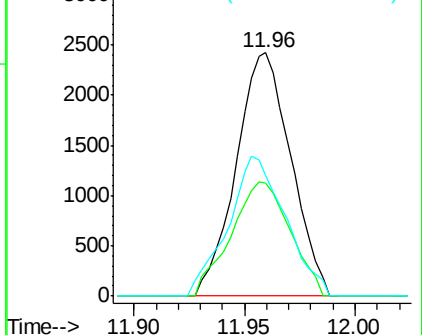


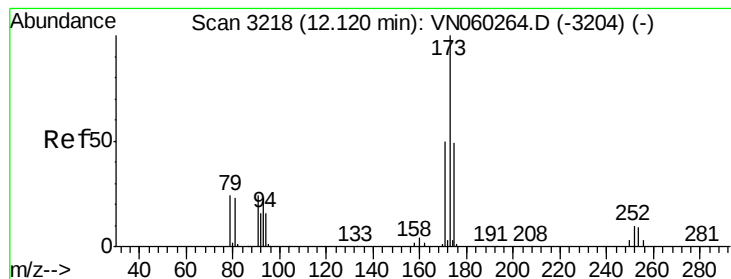
#70
Styrene
Concen: 0.674 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion:104 Resp: 4163
Ion Ratio Lower Upper
104 100
78 50.6 41.2 61.8
103 60.3 43.9 65.9



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: 0.519 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

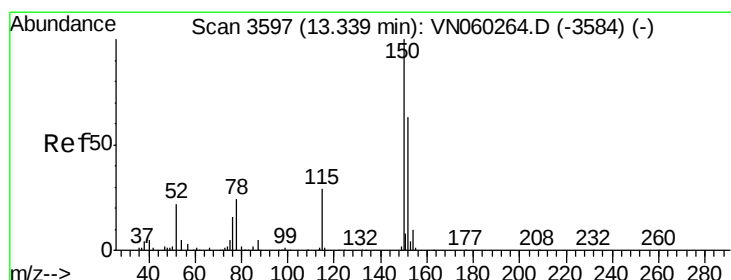
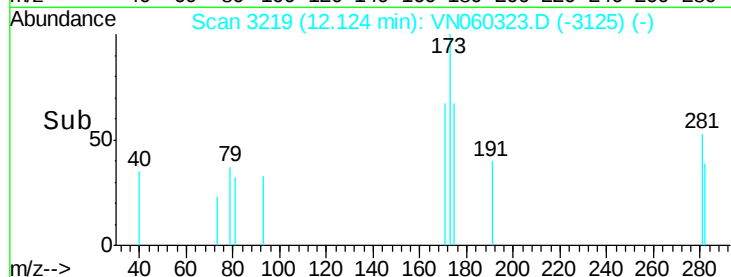
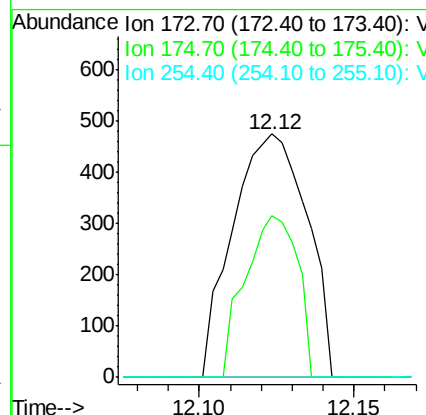
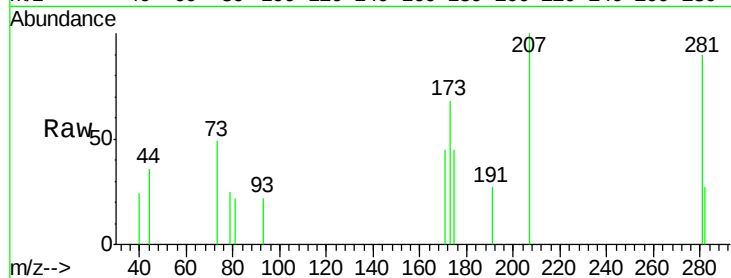
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	173	Resp:	793
Ion Ratio	Lower	Upper	
173	100		
175	46.8	24.1	72.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

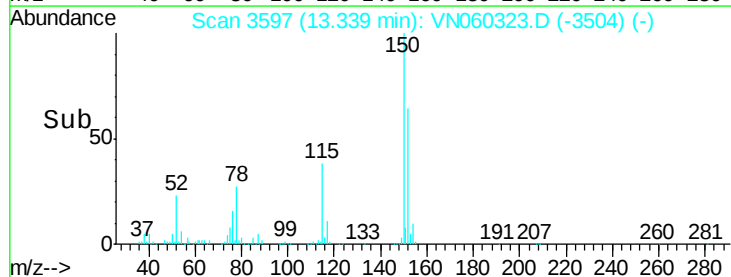
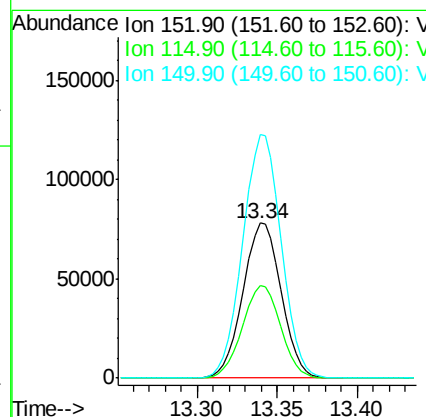
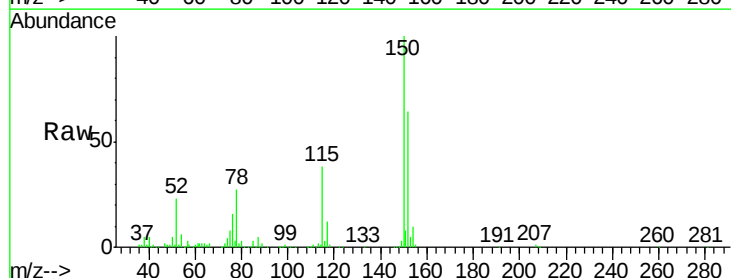
RT: 13.34 min Scan# 3597

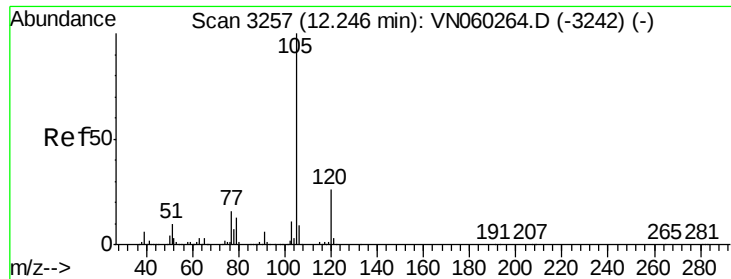
Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	152	Resp:	127255
Ion Ratio	Lower	Upper	
152	100		
115	59.7	30.0	90.0
150	158.5	0.0	349.6





#73

Isopropylbenzene

Concen: 0.837 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 105 Resp: 7898

Ion Ratio Lower Upper

105 100

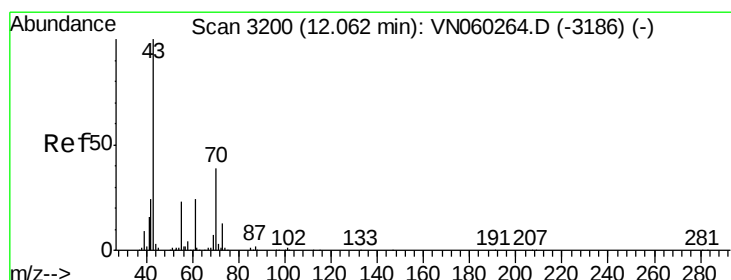
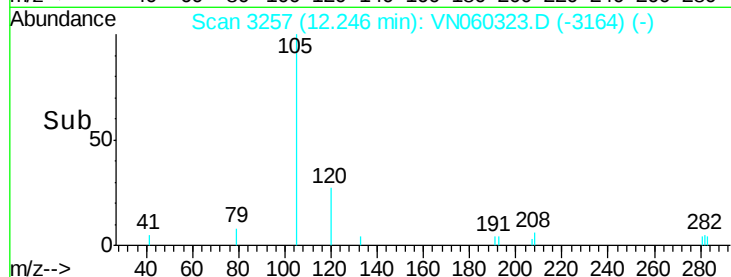
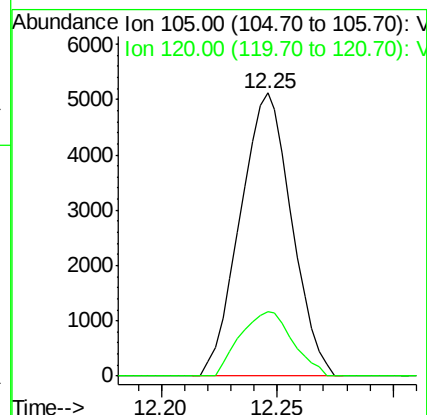
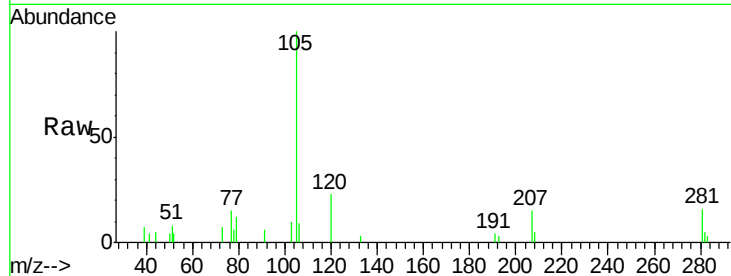
120 23.3 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 0.817 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion: 43 Resp: 3369

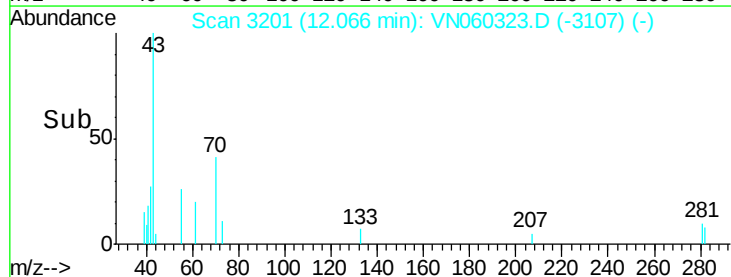
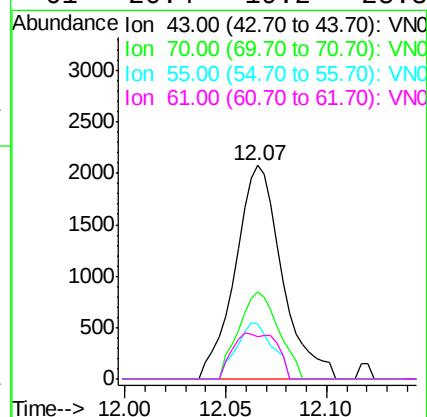
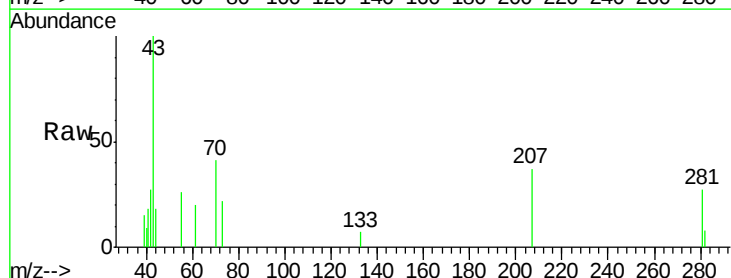
Ion Ratio Lower Upper

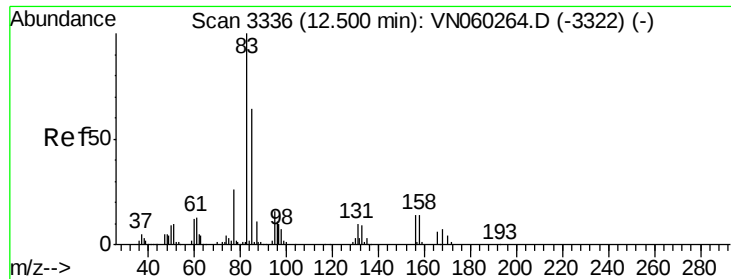
43 100

70 35.1 32.2 48.2

55 20.2 18.2 27.4

61 20.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 0.826 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

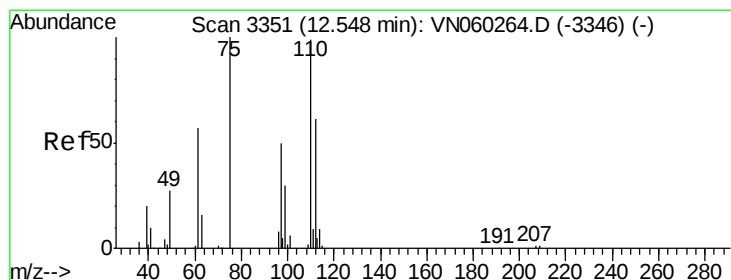
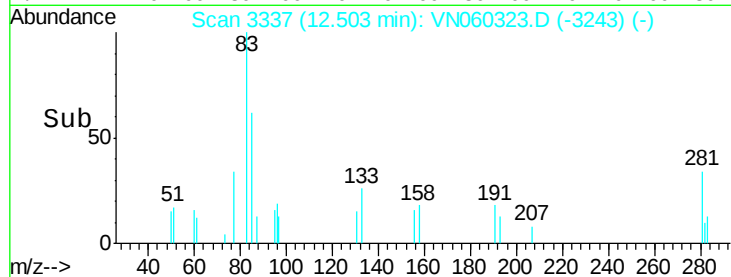
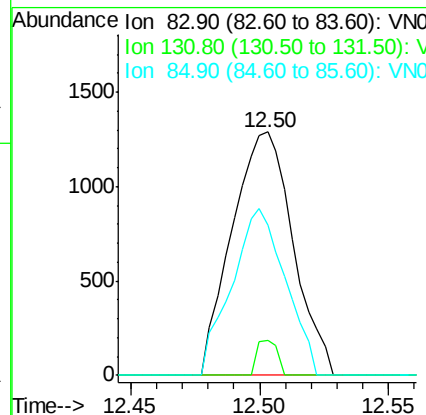
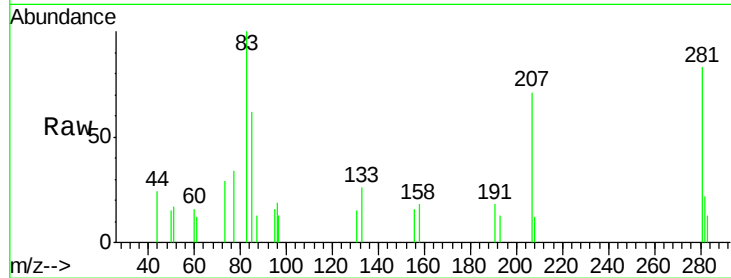
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	83	Resp:	2119
Ion Ratio	Lower	Upper	
83	100		
131	4.8	5.1	15.3#
85	60.3	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 0.739 ug/l m

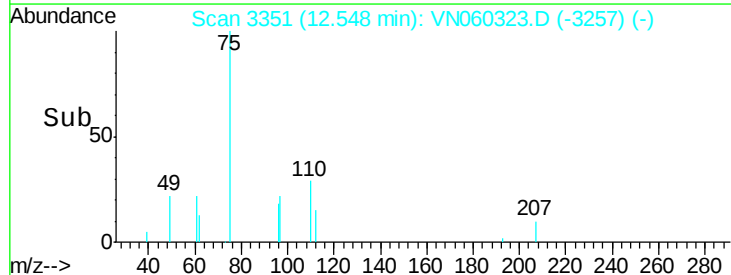
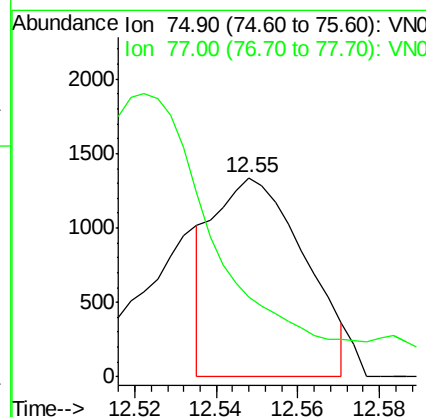
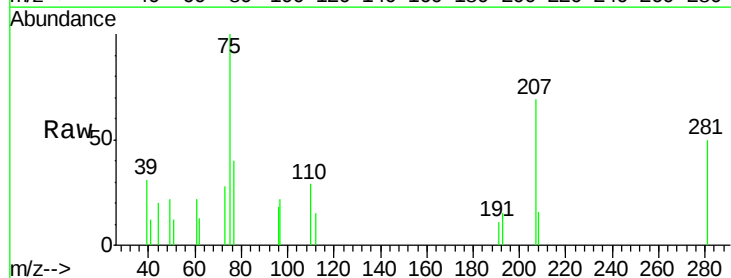
RT: 12.55 min Scan# 3351

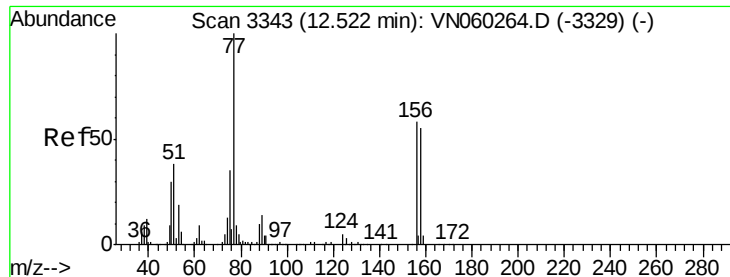
Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	75	Resp:	2063
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.792 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

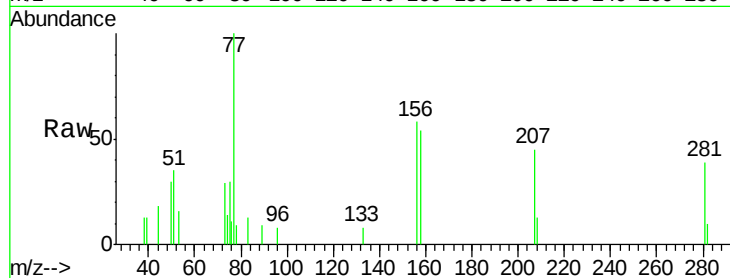
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

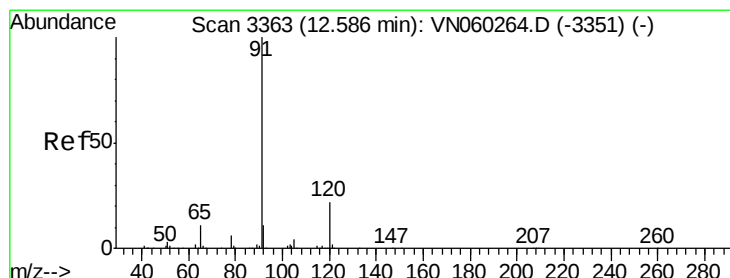
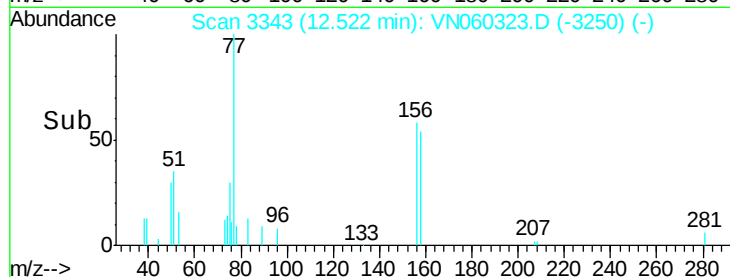
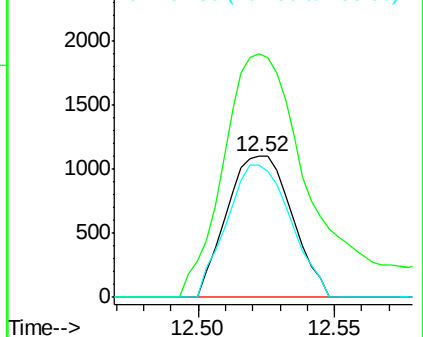
Tot Ion:	156	Resp:	1830
Ion	Ratio	Lower	Upper
156	100		
77	230.3	106.1	318.3
158	91.8	48.3	144.8

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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



#78

n-propylbenzene

Concen: 0.809 ug/l

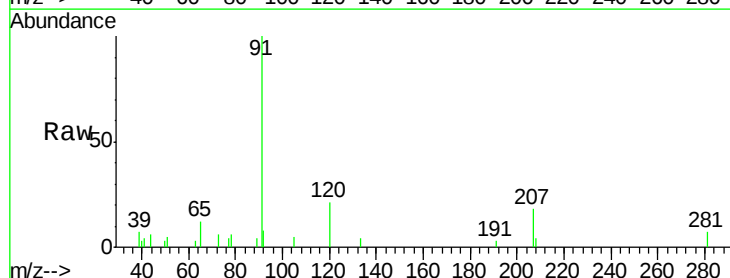
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

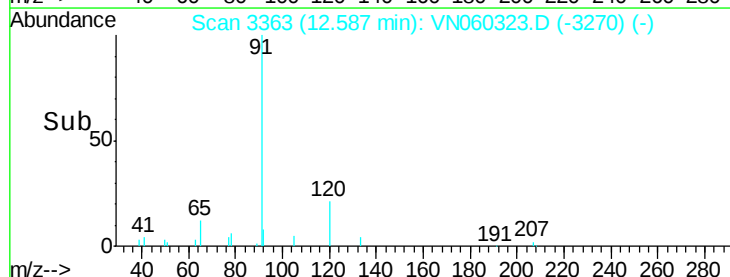
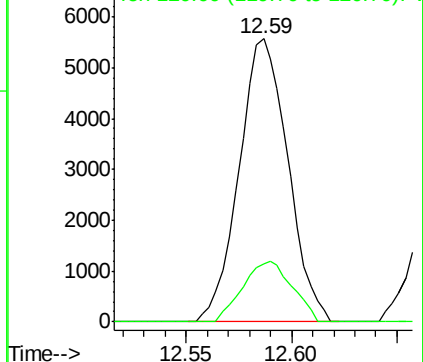
Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	91	Resp:	8941
Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.3	33.9



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





#79

2-Chlorotoluene

Concen: 0.805 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 5229

Ion Ratio Lower Upper

91 100

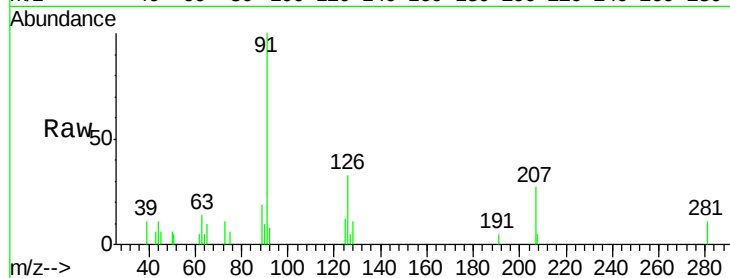
126 33.3 16.6 49.8

Manual Integrations

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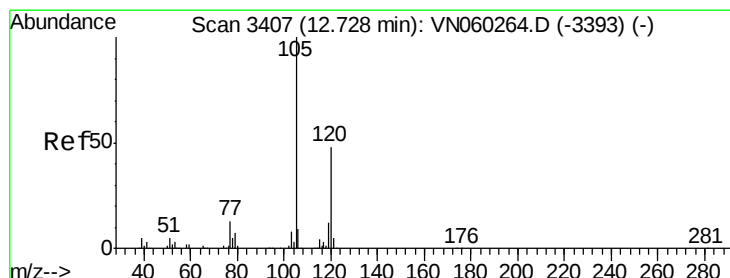
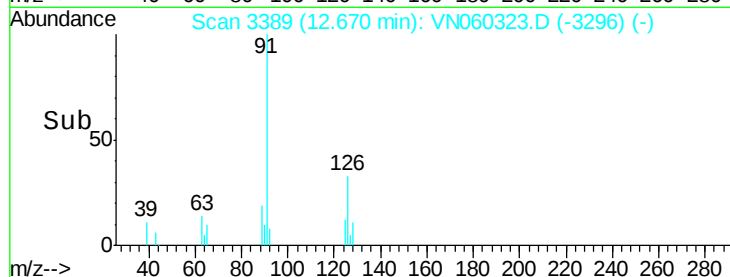
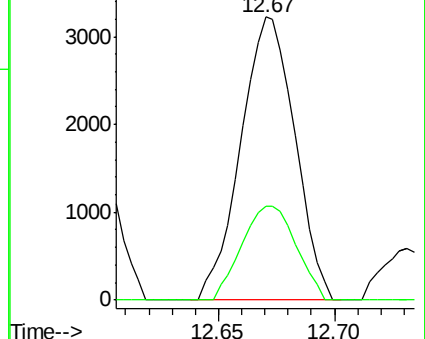
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Abundance Ion 91.00 (90.70 to 91.70): VN060323.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060323.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.808 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060323.D

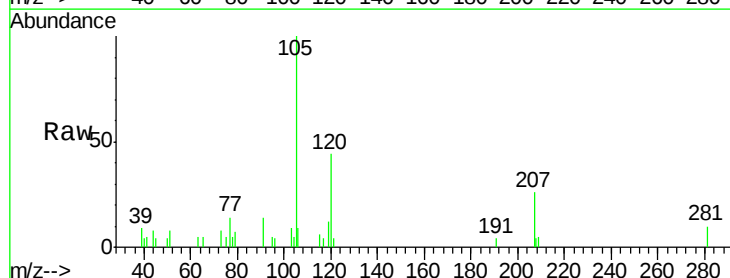
Acq: 3 Mar 2020 12:48

Tgt Ion: 105 Resp: 6417

Ion Ratio Lower Upper

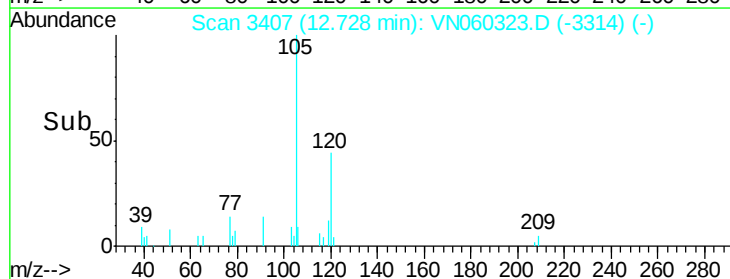
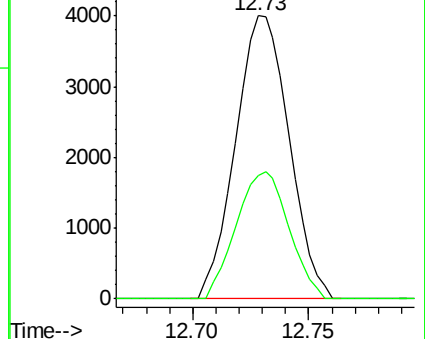
105 100

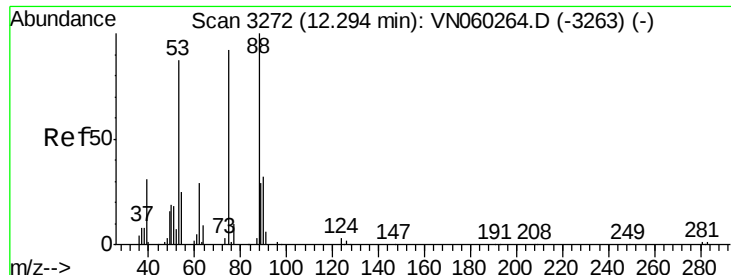
120 44.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060323.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060323.D (-3314) (-)





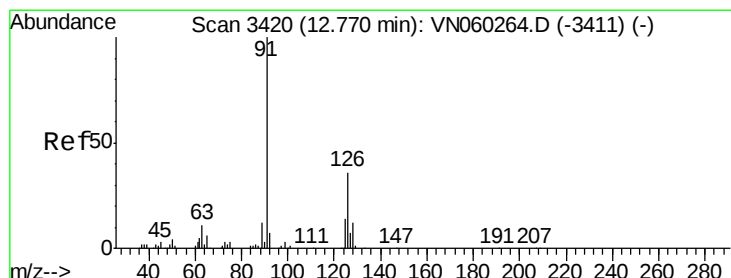
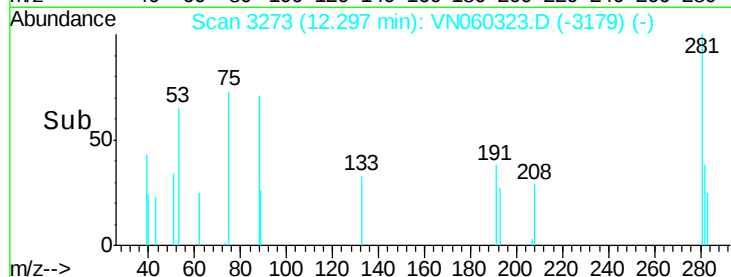
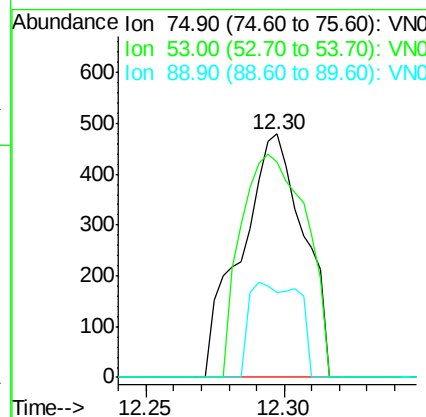
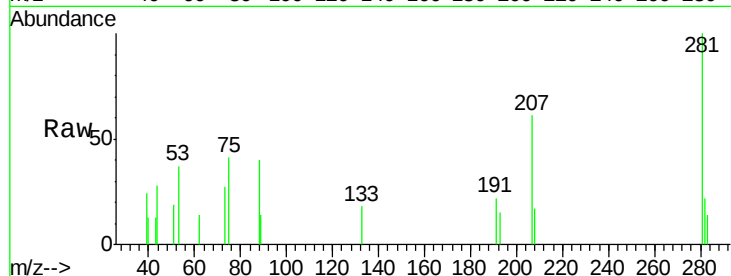
#81
trans-1,4-Dichloro-2-butene
Concen: 0.747 ug/l m
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.8	110.6#
89	0.0	57.1	85.7#

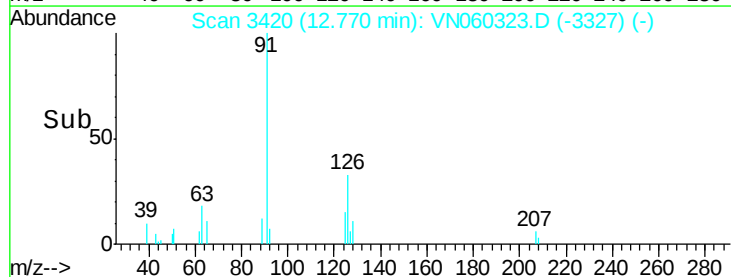
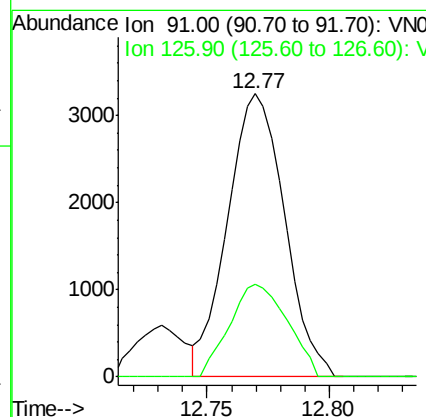
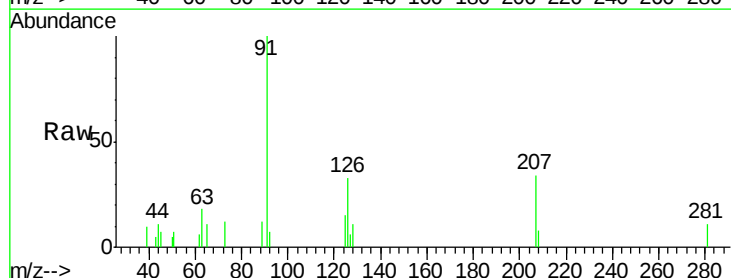
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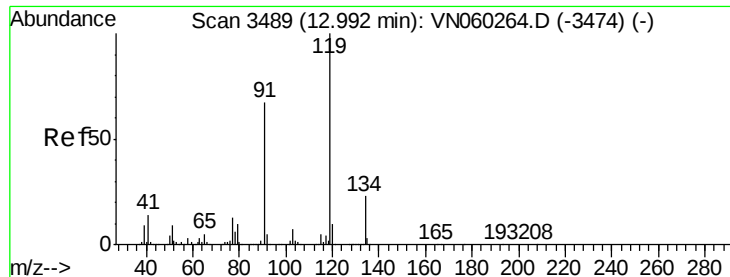
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#82
4-Chlorotoluene
Concen: 0.770 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1





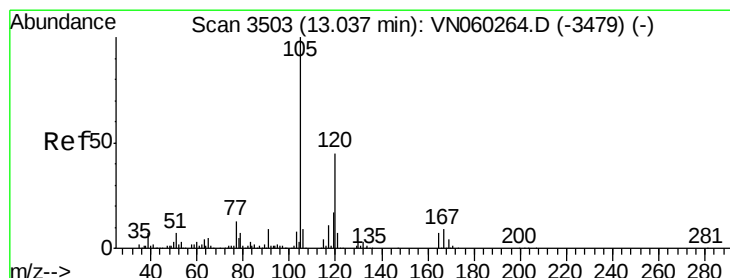
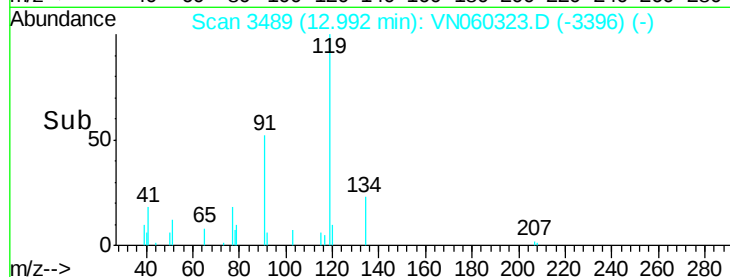
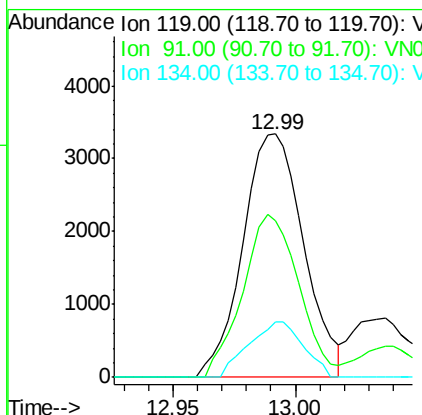
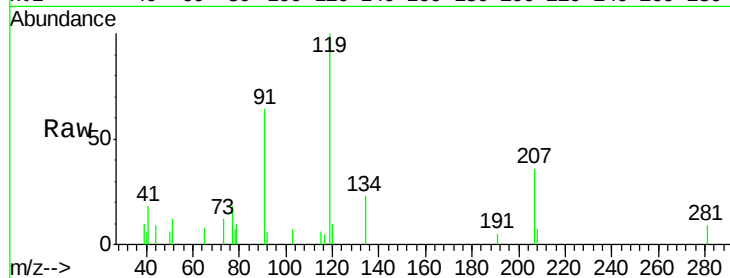
#83
tert-Butylbenzene
Concen: 0.840 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	33.1	99.2
134	20.4	12.4	37.0

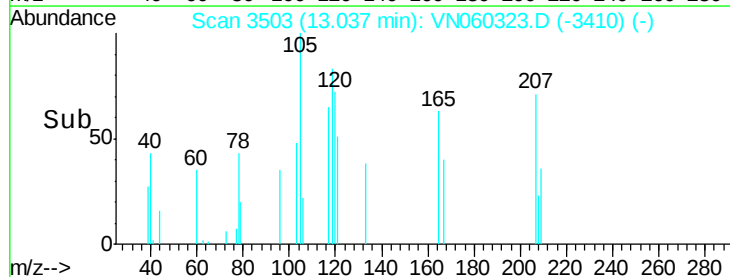
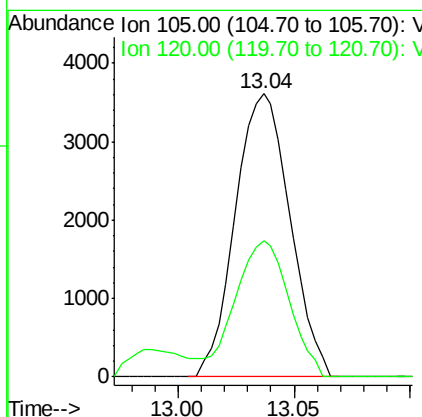
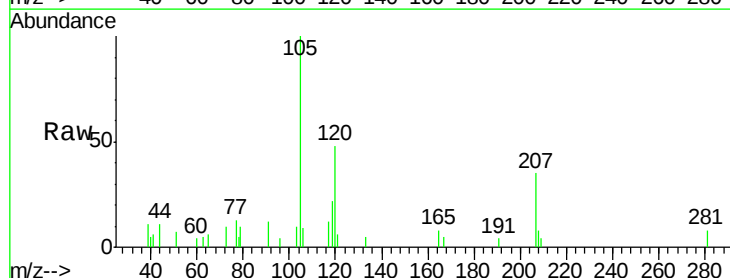
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#84
1,2,4-Trimethylbenzene
Concen: 0.738 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 0.768 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

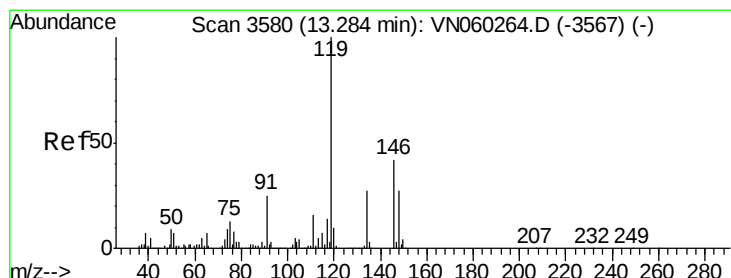
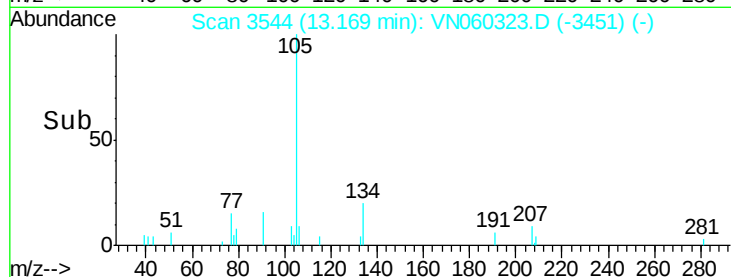
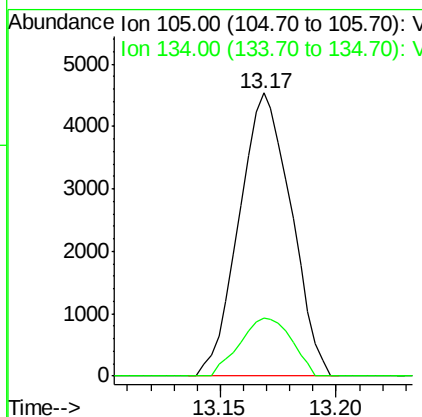
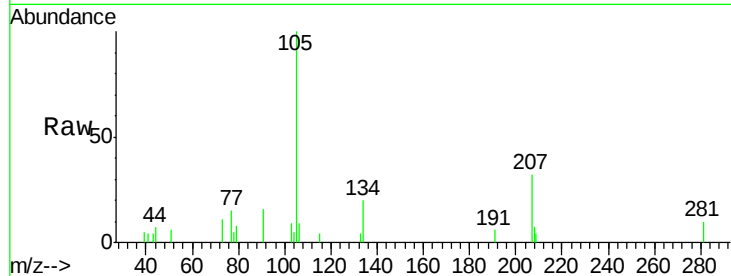
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:	105	Resp:	7071
Ion Ratio	Lower	Upper	
105	100		
134	20.4	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 0.774 ug/l

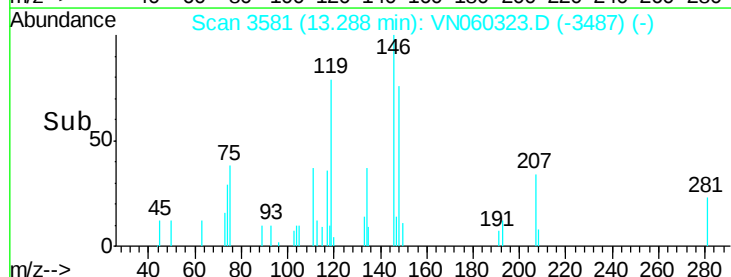
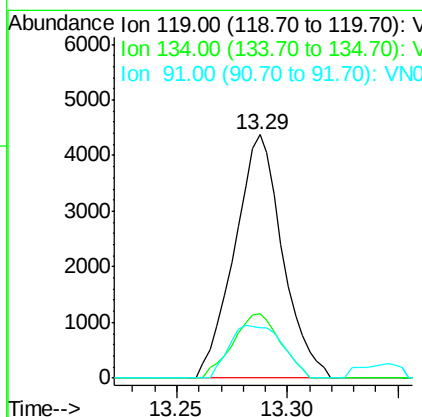
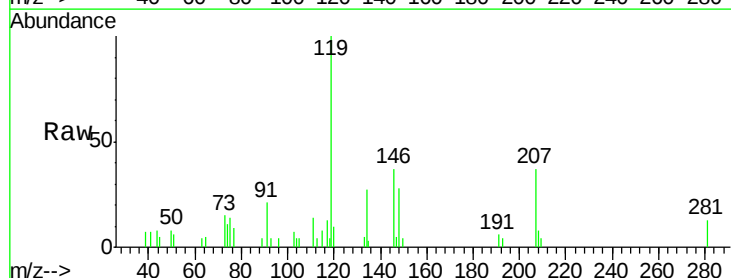
RT: 13.29 min Scan# 3581

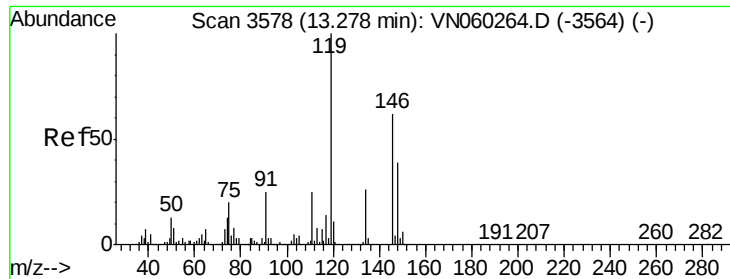
Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	119	Resp:	6594
Ion Ratio	Lower	Upper	
119	100		
134	26.2	13.2	39.6
91	24.2	12.2	36.6





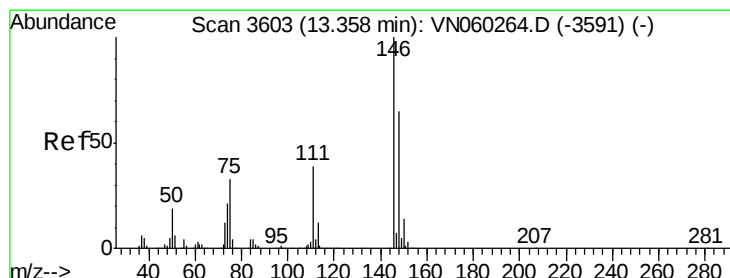
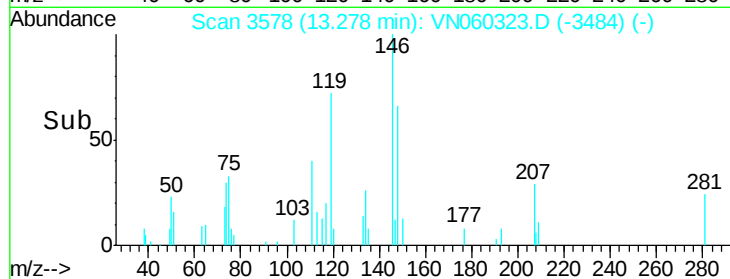
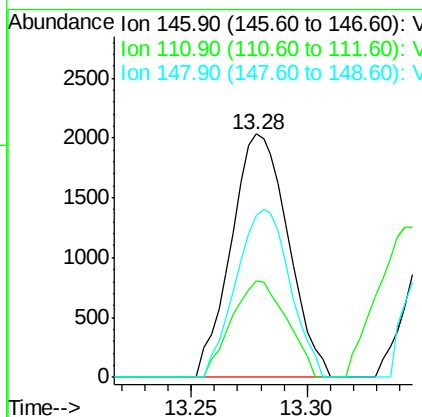
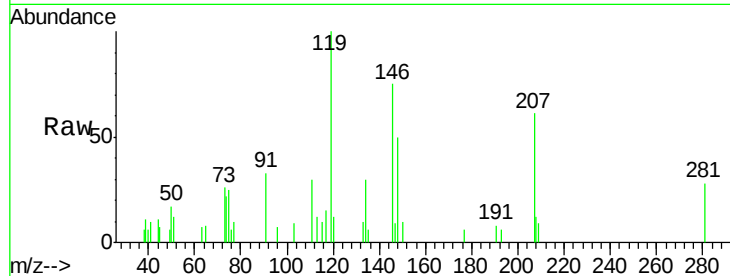
#87
 1,3-Dichlorobenzene
 Concen: 0.796 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	59.9
148	65.7	32.1	96.3

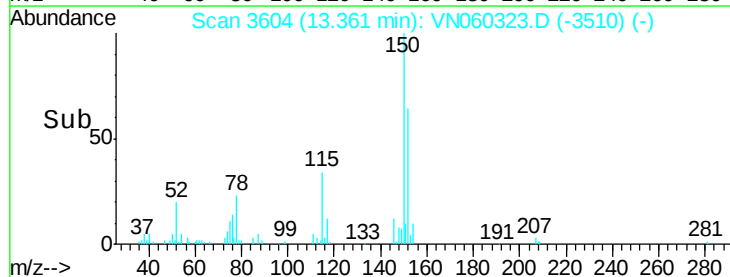
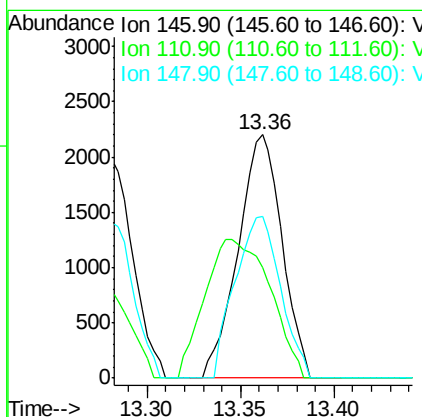
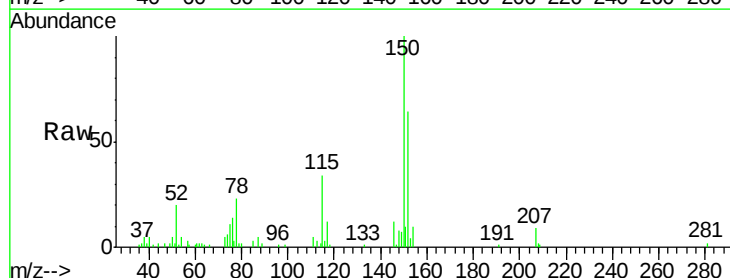
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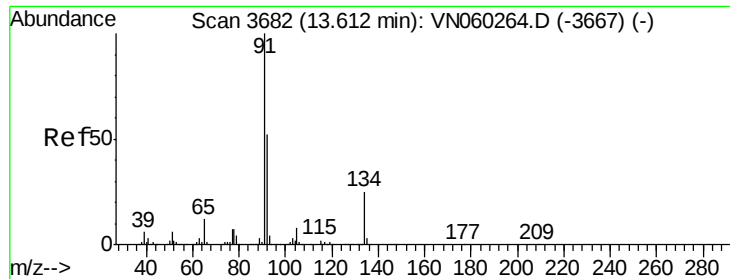
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#88
 1,4-Dichlorobenzene
 Concen: 0.828 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.8	59.4
148	63.5	32.3	96.9





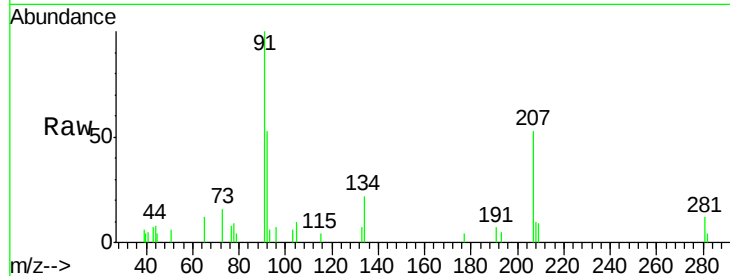
#89
n-Butylbenzene
Concen: 0.769 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

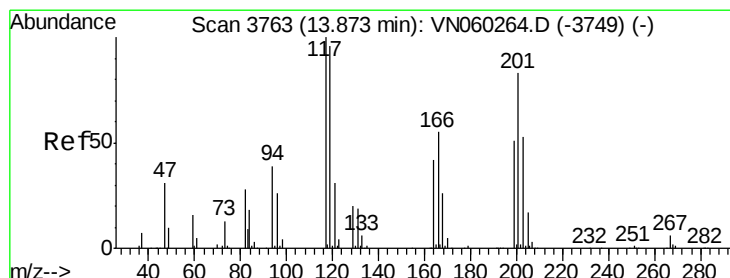
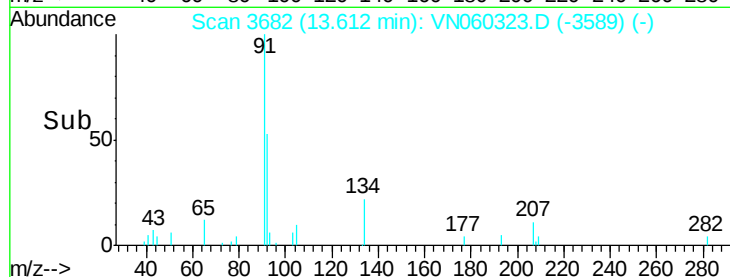
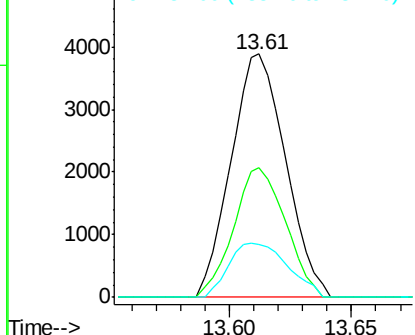
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.0	78.0
134	24.2	12.7	38.1

Manual Integrations
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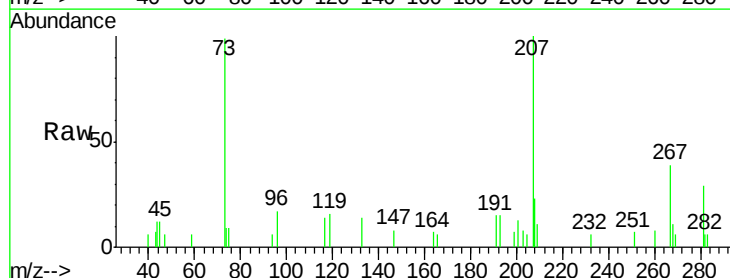


Abundance Ion 91.00 (90.70 to 91.70): VN060323.D (-3589) (-)
Ion 92.00 (91.70 to 92.70): VN060323.D (-3589) (-)
Ion 134.00 (133.70 to 134.70): VN060323.D (-3589) (-)

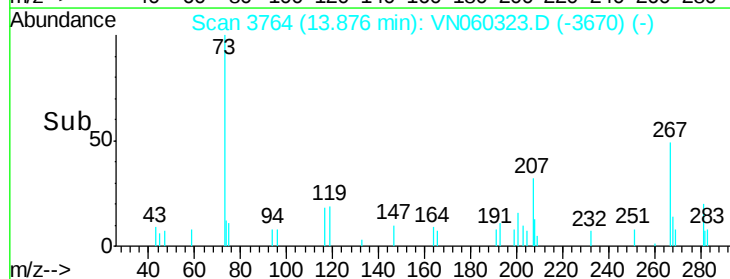
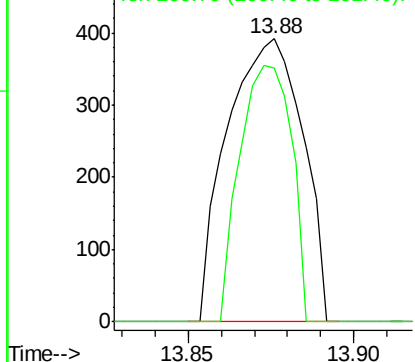


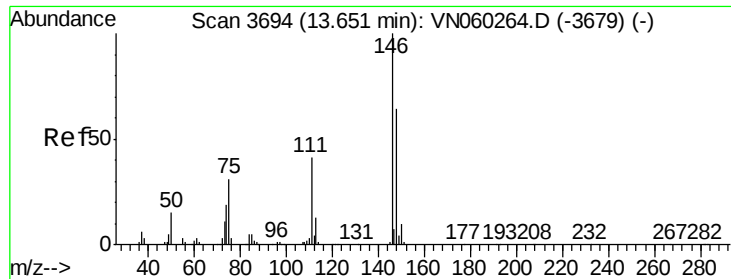
#90
Hexachloroethane
Concen: 0.503 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.8	41.0	123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060323.D (-3670) (-)
Ion 200.70 (200.40 to 201.40): VN060323.D (-3670) (-)





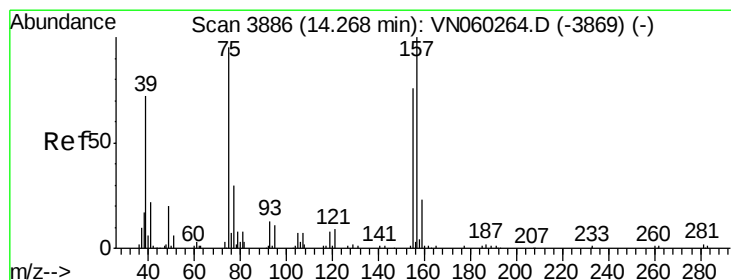
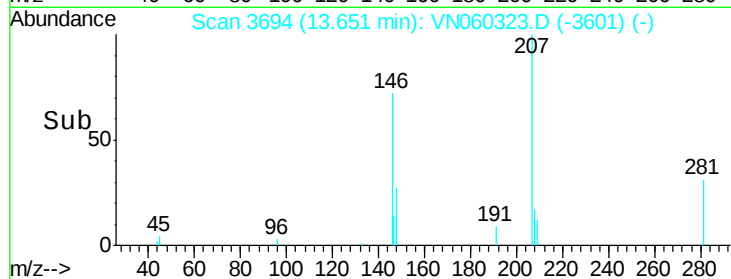
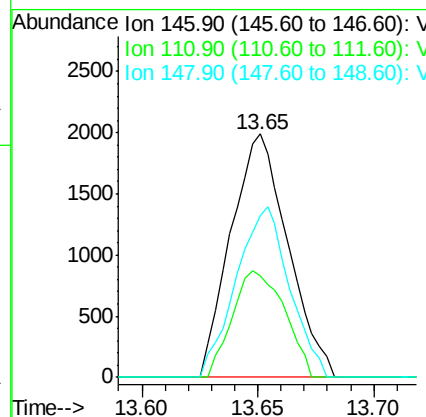
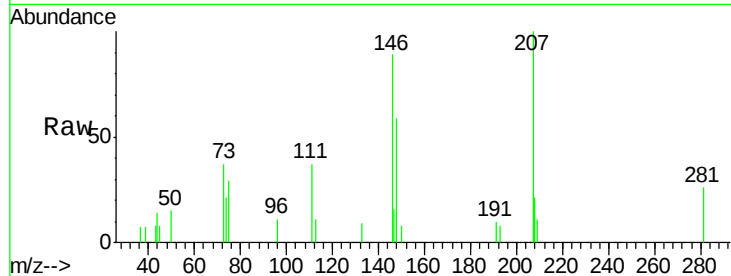
#91
 1,2-Dichlorobenzene
 Concen: 0.838 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	61.0
148	65.6	31.8	95.3

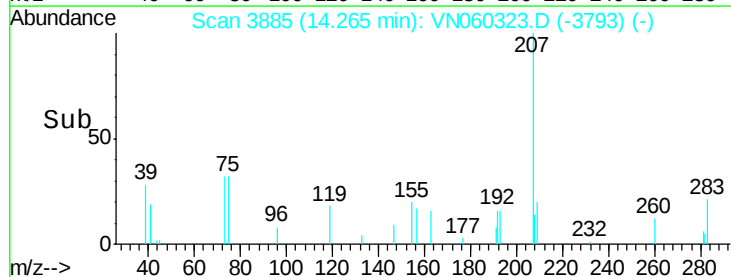
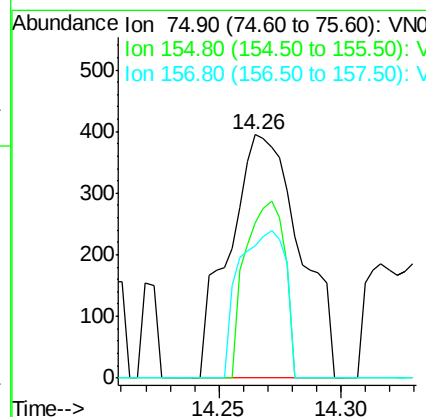
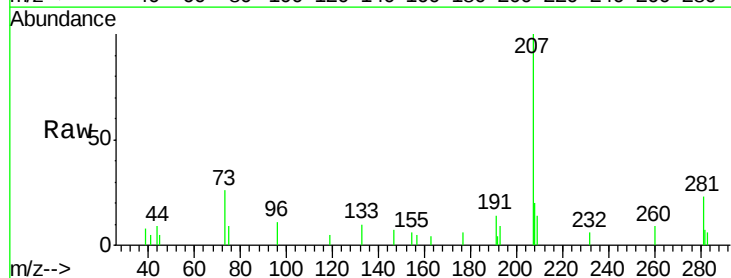
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.359 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	40.3	40.4	121.2#
157	40.3	52.5	157.5#





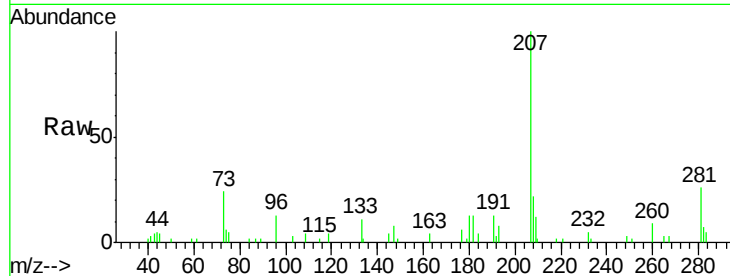
#93
 1,2,4-Trichlorobenzene
 Concen: 0.744 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

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

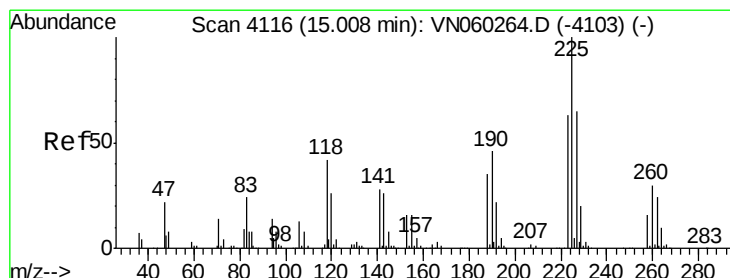
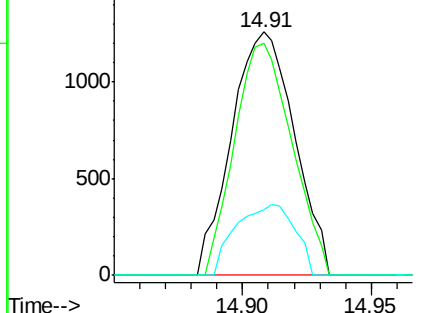
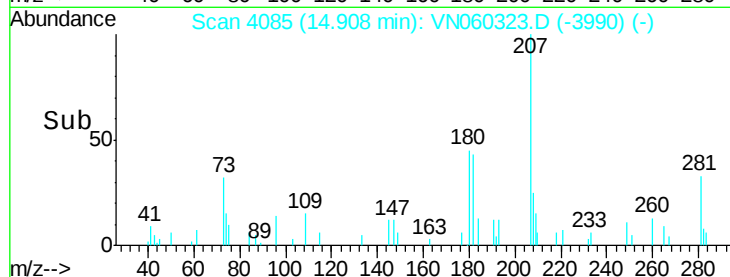
Tot Ion	Ratio	Lower	Upper
180	100		
182	87.1	47.8	143.3
145	27.2	15.4	46.1

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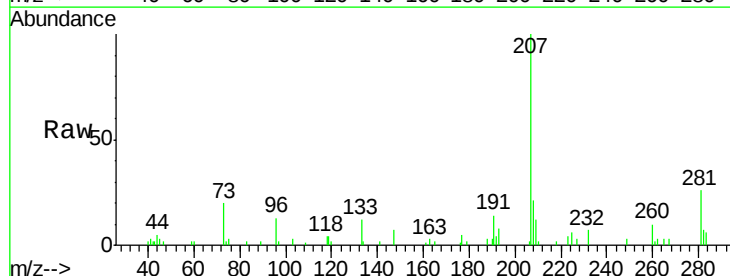


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

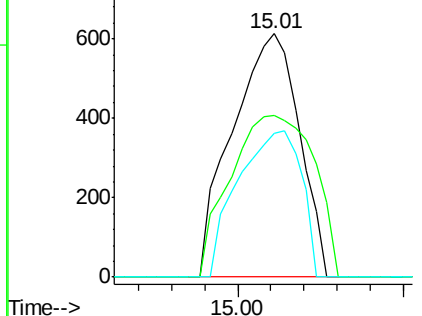
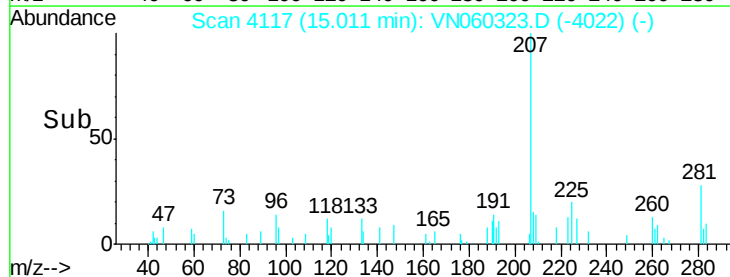


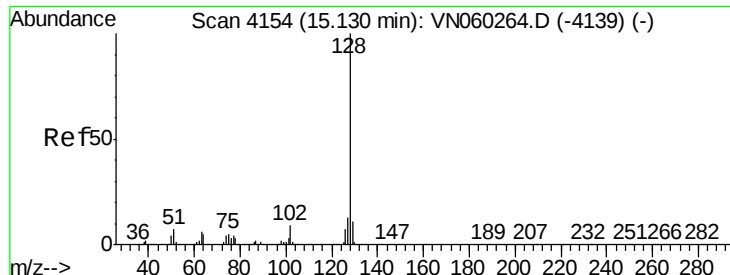
#94
 Hexachlorobutadiene
 Concen: 0.631 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	83.4	31.3	93.9
227	56.9	32.3	96.9



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





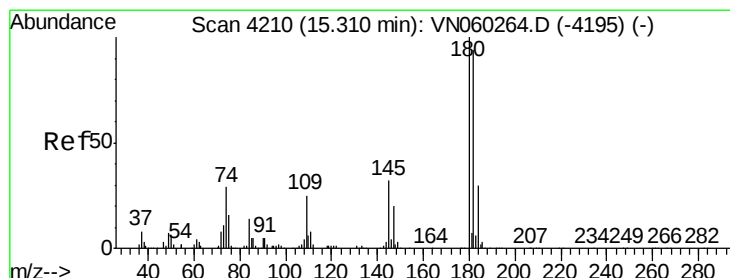
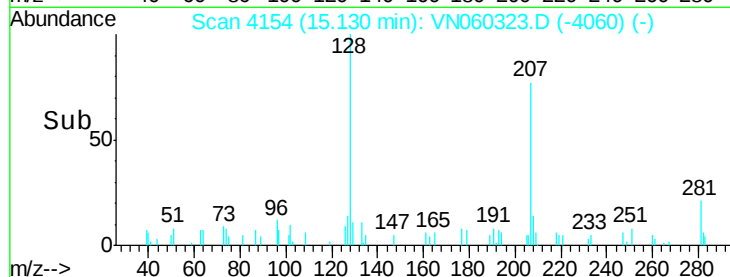
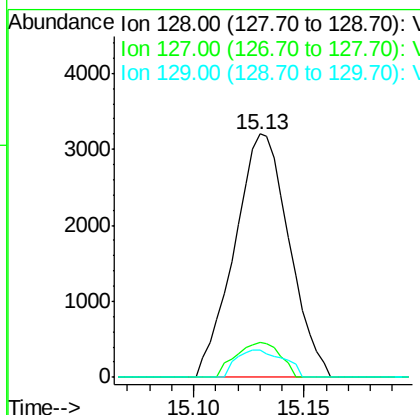
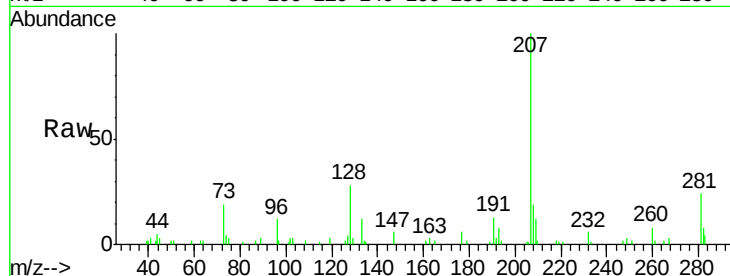
#95
Naphthalene
Concen: 0.663 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	9.7	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 0.754 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.4	47.3	142.0
145	31.6	16.2	48.5

