

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061550.D
 Acq On : 28 May 2020 23:36
 Operator : JC/MD
 Sample : L2182-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:50:29 PM

Quant Time: May 29 07:38:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	305049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	554648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	498257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	209976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	191485	52.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.38%	
35) Dibromofluoromethane	7.55	113	148854	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
50) Toluene-d8	10.06	98	604516	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.38	95	200401	42.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1900	0.596	ug/l	95
3) Chloromethane	2.03	50	3710	0.997	ug/l	92
4) Vinyl Chloride	2.16	62	4076	0.799	ug/l	99
5) Bromomethane	2.54	94	3668	1.254	ug/l	87
6) Chloroethane	2.67	64	2575	0.785	ug/l	91
7) Trichlorofluoromethane	2.98	101	5731	0.872	ug/l	97
8) Diethyl Ether	3.38	74	1585	0.788	ug/l #	48
9) 1,1,2-Trichlorotrifluoroet	3.71	101	2251	0.772	ug/l #	78
10) Methyl Iodide	3.91	142	3870	0.956	ug/l #	63
11) Tert butyl alcohol	4.74	59	2369m	4.900	ug/l	
12) 1,1-Dichloroethene	3.70	96	2775	0.890	ug/l	83
13) Acrolein	3.58	56	1184m	6.388	ug/l	
14) Allyl chloride	4.27	41	3053	0.749	ug/l #	74
15) Acrylonitrile	4.94	53	4460	3.305	ug/l #	53
16) Acetone	3.78	43	7359	5.725	ug/l	97
17) Carbon Disulfide	4.01	76	7056	1.029	ug/l	100
18) Methyl Acetate	4.27	43	2520m	0.766	ug/l	
19) Methyl tert-butyl Ether	4.99	73	8568m	0.807	ug/l	
20) Methylene Chloride	4.49	84	3008	0.675	ug/l	91
21) trans-1,2-Dichloroethene	4.99	96	3043m	0.866	ug/l	
22) Diisopropyl ether	5.90	45	7004	0.780	ug/l #	85
23) Vinyl Acetate	5.84	43	26669	3.725	ug/l	98
24) 1,1-Dichloroethane	5.79	63	4623m	0.812	ug/l	
25) 2-Butanone	6.80	43	6538	3.796	ug/l	90
26) 2,2-Dichloropropane	6.77	77	3848	0.738	ug/l #	67
27) cis-1,2-Dichloroethene	6.78	96	3375m	0.848	ug/l	
28) Bromochloromethane	7.15	49	779	0.317	ug/l #	81
29) Tetrahydrofuran	7.17	42	4545	4.001	ug/l	95
30) Chloroform	7.34	83	5030m	0.798	ug/l	
31) Cyclohexane	7.62	56	9073	1.771	ug/l #	44
32) 1,1,1-Trichloroethane	7.52	97	4309m	0.751	ug/l	
36) 1,1-Dichloropropene	7.75	75	4026	0.820	ug/l	85
37) Ethyl Acetate	6.88	43	1833	0.463	ug/l #	88
38) Carbon Tetrachloride	7.73	117	2714	0.573	ug/l #	90

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

39) Methylcyclohexane	9.05	83	4576	0.756	ug/l #	85
40) Benzene	8.00	78	11178	0.738	ug/l	98
41) Methacrylonitrile	7.14	41	1561	0.862	ug/l #	49
42) 1,2-Dichloroethane	8.09	62	3706	0.731	ug/l	86
43) Isopropyl Acetate	8.12	43	5097	0.716	ug/l #	85
44) Trichloroethene	8.80	130	3479	0.747	ug/l	99
45) 1,2-Dichloropropane	9.08	63	2718	0.756	ug/l	98
46) Dibromomethane	9.17	93	1864	0.676	ug/l	95
47) Bromodichloromethane	9.37	83	3631	0.664	ug/l	97
48) Methyl methacrylate	9.17	41	2115	0.661	ug/l	91
49) 1,4-Dioxane	9.17	88	820	16.535	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	13479	3.362	ug/l	95
52) Toluene	10.13	92	7282	0.736	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	4238	0.720	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	4462	0.705	ug/l #	93
55) 1,1,2-Trichloroethane	10.54	97	2858	0.725	ug/l #	77
56) Ethyl methacrylate	10.40	69	3359	0.610	ug/l	89
57) 1,3-Dichloropropane	10.68	76	4384	0.696	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.67	63	6756	2.873	ug/l	97
59) 2-Hexanone	10.72	43	8786	3.051	ug/l	100
60) Dibromochloromethane	10.87	129	2743	0.612	ug/l	95
61) 1,2-Dibromoethane	10.98	107	2711	0.660	ug/l	98
64) Tetrachloroethene	10.61	164	3554	0.758	ug/l	87
65) Chlorobenzene	11.41	112	7704	0.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	2368	0.614	ug/l #	61
67) Ethyl Benzene	11.48	91	12715	0.710	ug/l	90
68) m/p-Xylenes	11.60	106	9697	1.366	ug/l	93
69) o-Xylene	11.92	106	4499	0.667	ug/l	93
70) Styrene	11.94	104	7417	0.664	ug/l	99
71) Bromoform	12.10	173	1593	0.536	ug/l #	97
73) Isopropylbenzene	12.22	105	12373	0.807	ug/l	98
74) N-amyl acetate	12.05	43	3611	0.748	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.48	83	3512	0.818	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	3249m	0.851	ug/l	
77) Bromobenzene	12.50	156	3302	0.844	ug/l	96
78) n-propylbenzene	12.57	91	13787	0.806	ug/l	97
79) 2-Chlorotoluene	12.65	91	8758	0.858	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	9813	0.766	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	770m	0.516	ug/l	
82) 4-Chlorotoluene	12.75	91	9403	0.876	ug/l	97
83) tert-Butylbenzene	12.97	119	8768	0.775	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	9519	0.748	ug/l	97
85) sec-Butylbenzene	13.15	105	10935	0.750	ug/l	93
86) p-Isopropyltoluene	13.26	119	9903	0.737	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	5482	0.791	ug/l	96
88) 1,4-Dichlorobenzene	13.34	146	6074m	0.861	ug/l	
89) n-Butylbenzene	13.59	91	8767	0.779	ug/l	93
90) Hexachloroethane	13.85	117	921	0.620	ug/l	80
91) 1,2-Dichlorobenzene	13.62	146	5031	0.760	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	701	0.800	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	3125	0.807	ug/l	93
94) Hexachlorobutadiene	14.98	225	1045	0.633	ug/l	80
95) Naphthalene	15.11	128	9054	0.768	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	2974	0.781	ug/l	97

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

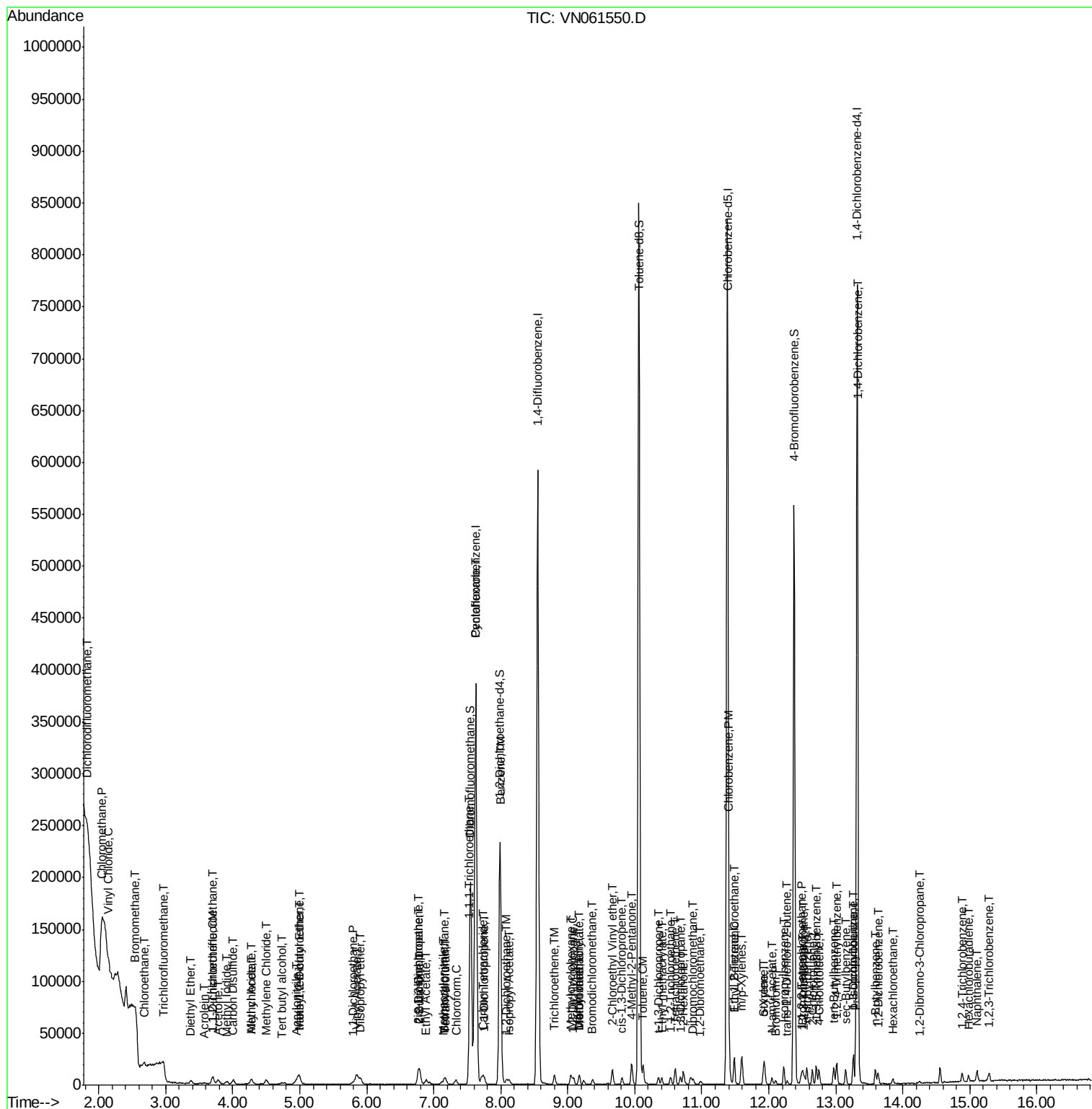
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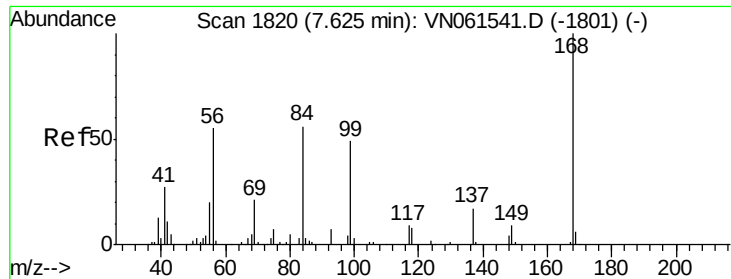
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

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Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:168 Resp: 305049

Ion Ratio Lower Upper

168 100

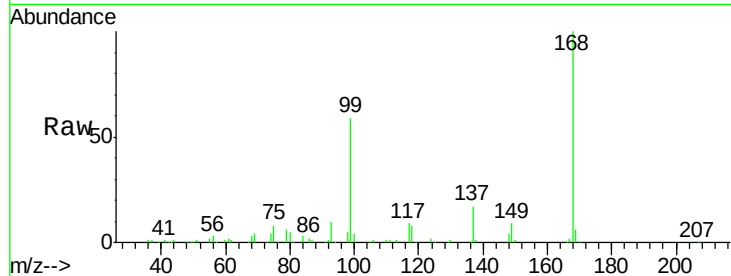
99 58.4 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

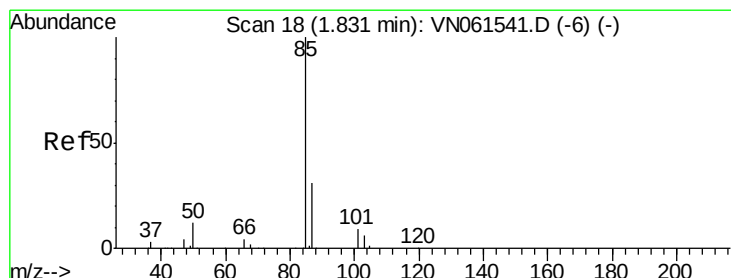
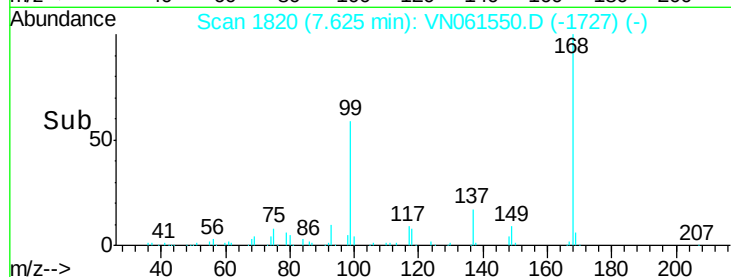
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.596 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061550.D

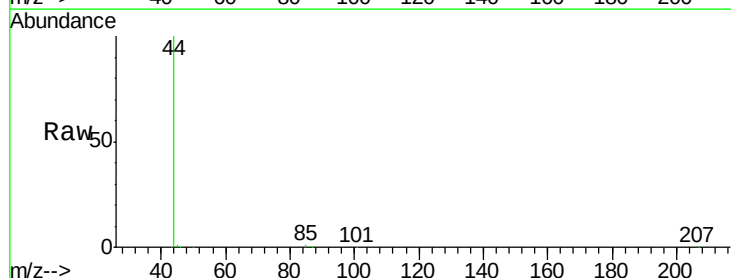
Acq: 28 May 2020 23:36

Tgt Ion: 85 Resp: 1900

Ion Ratio Lower Upper

85 100

87 28.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

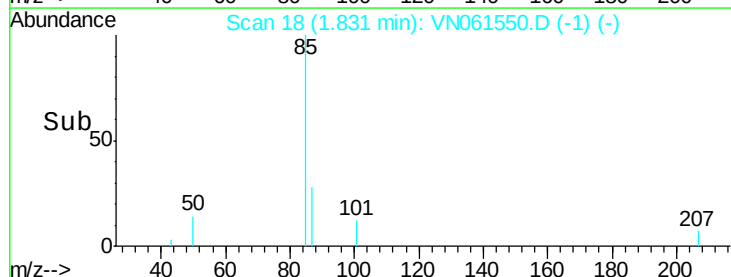
1500

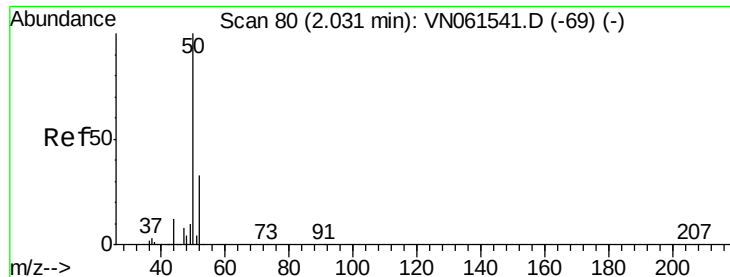
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.997 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 50 Resp: 3710

Ion Ratio Lower Upper

50 100

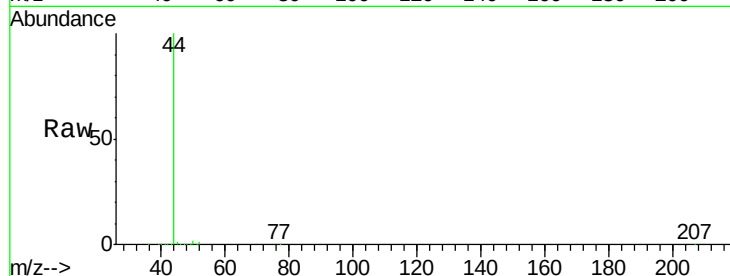
52 28.8 26.7 40.1

Manual Integrations

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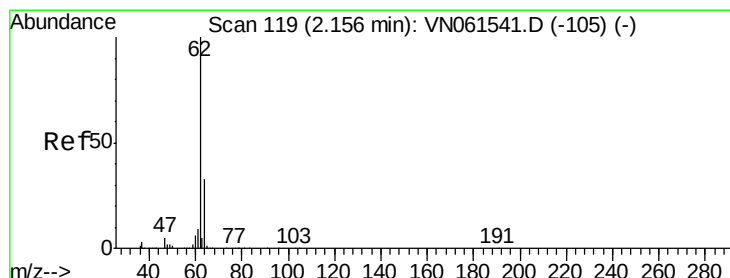
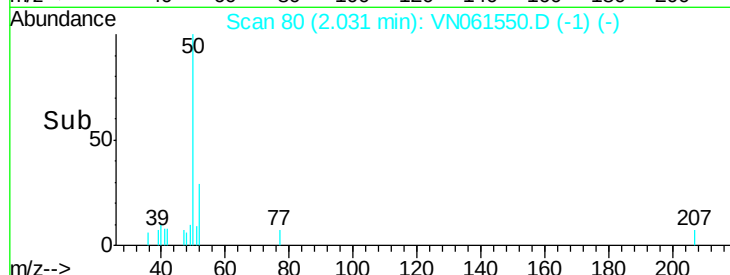
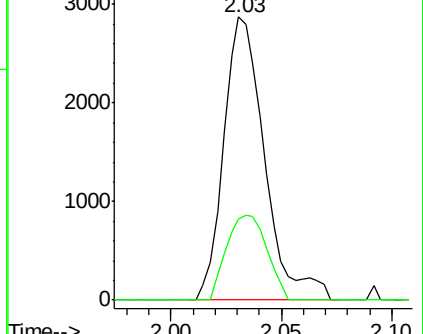
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.799 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061550.D

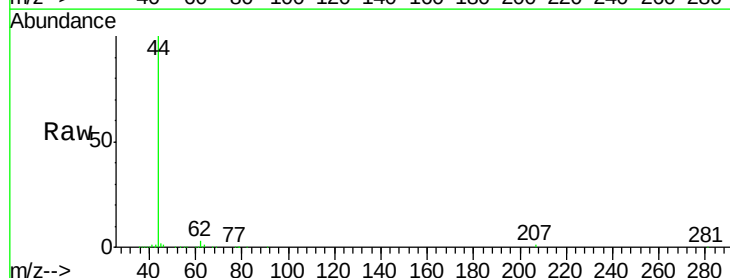
Acq: 28 May 2020 23:36

Tgt Ion: 62 Resp: 4076

Ion Ratio Lower Upper

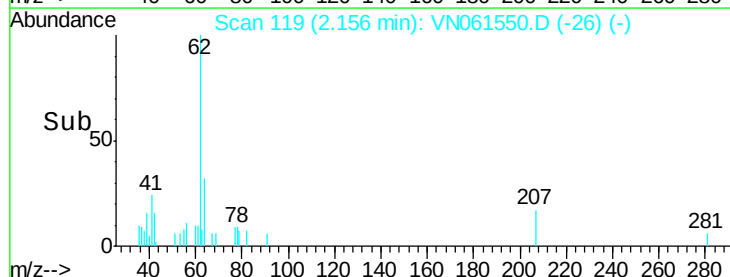
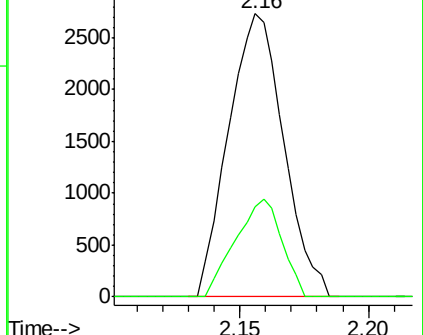
62 100

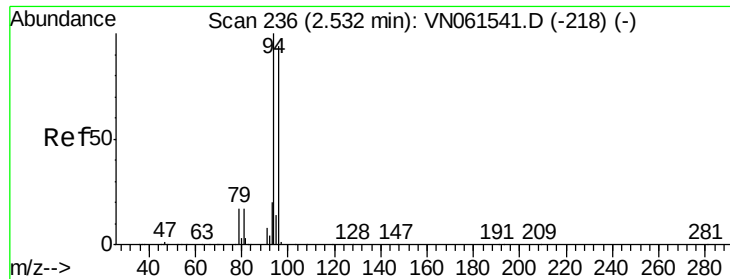
64 31.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.254 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

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Acq: 28 May 2020 23:36

Instrument :

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Tot Ion: 94 Resp: 3668

Ion Ratio Lower Upper

94 100

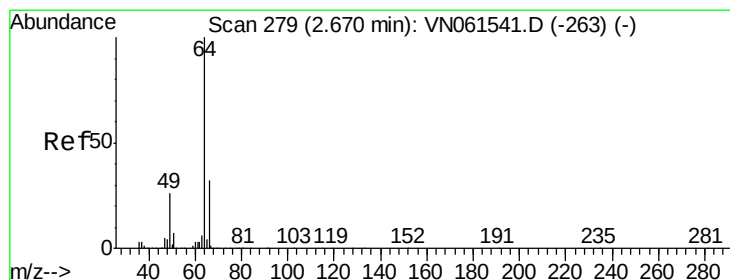
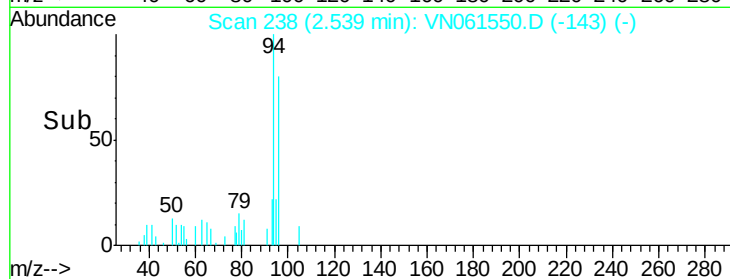
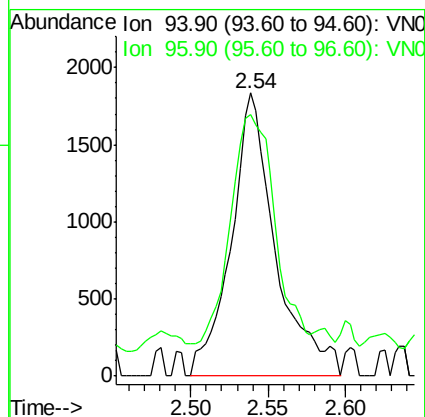
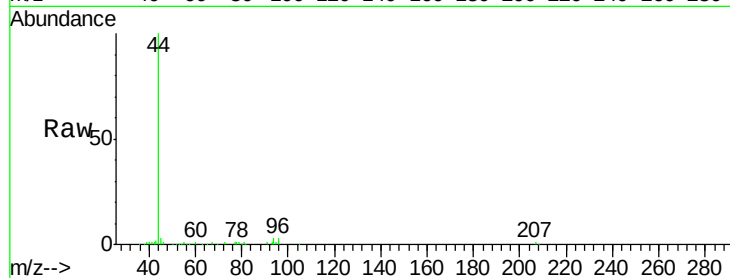
96 80.7 74.8 112.2

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#6

Chloroethane

Concen: 0.785 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061550.D

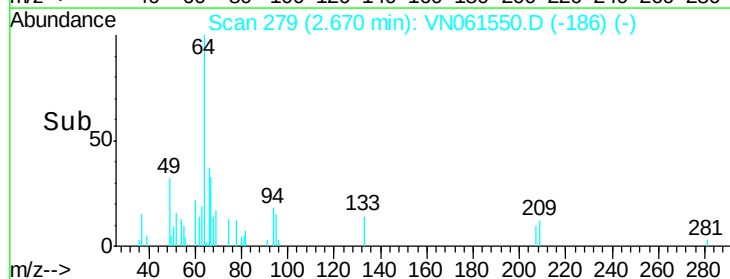
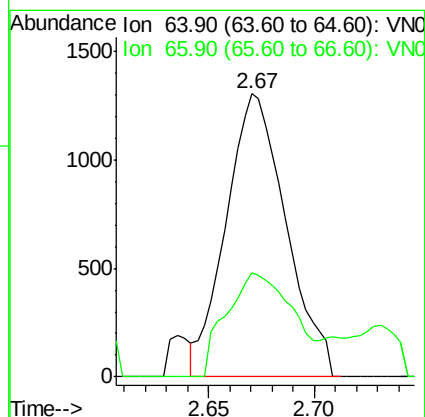
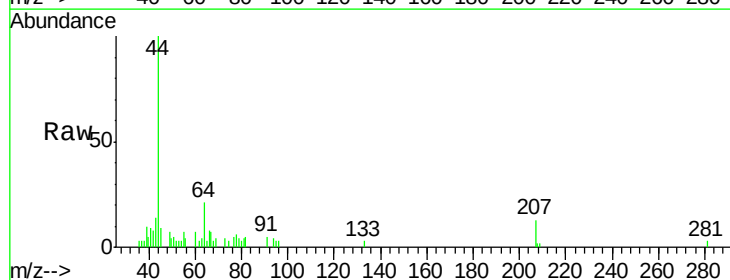
Acq: 28 May 2020 23:36

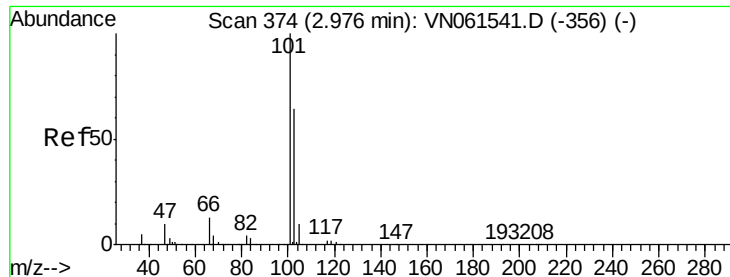
Tgt Ion: 64 Resp: 2575

Ion Ratio Lower Upper

64 100

66 36.8 25.6 38.4





#7

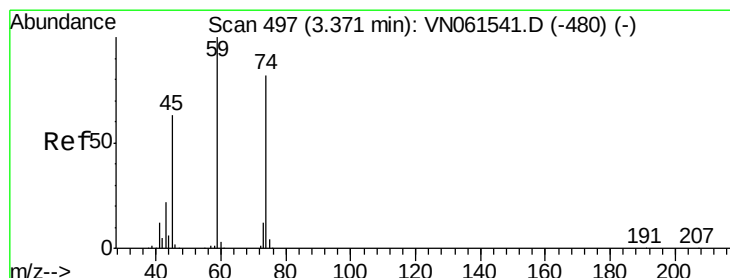
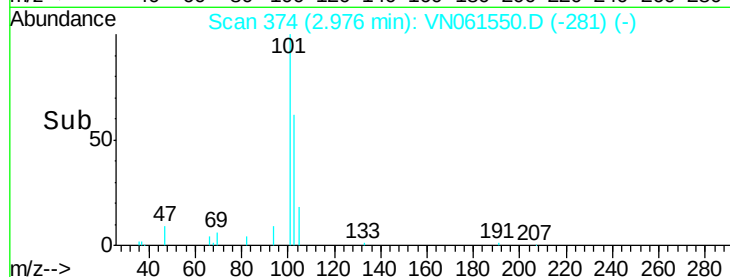
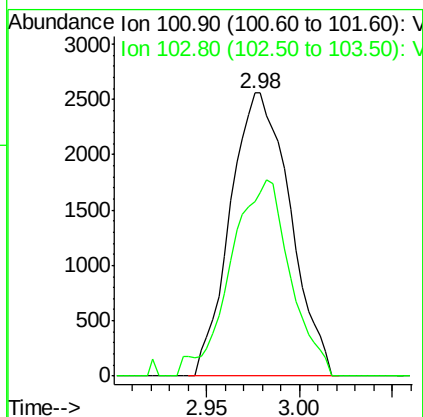
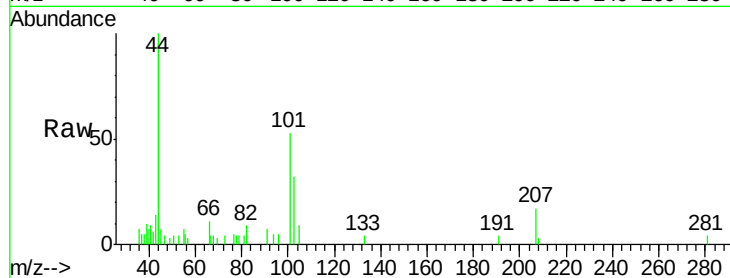
Trichlorofluoromethane
Concen: 0.872 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN061550.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.4	77.2

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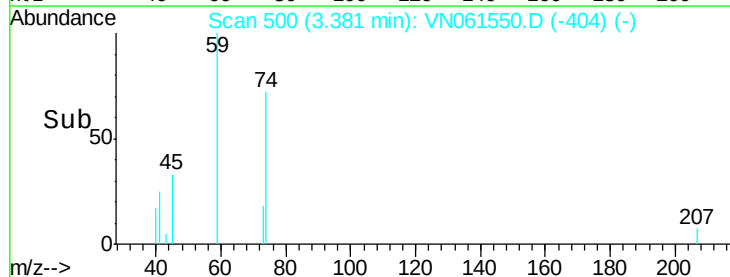
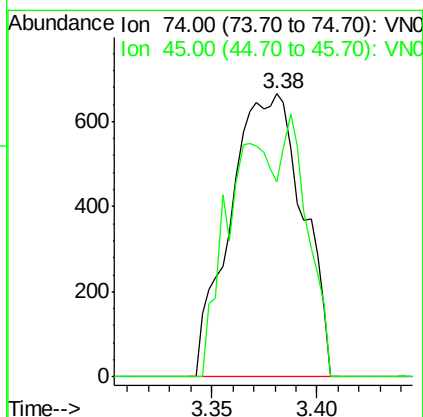
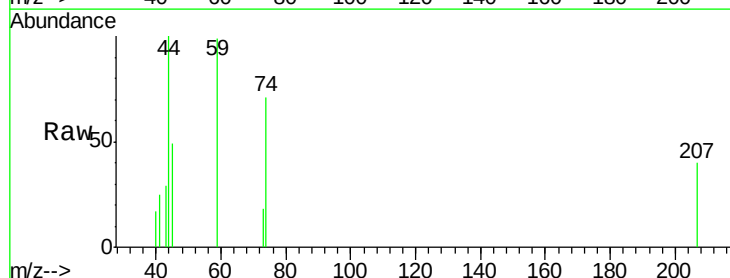
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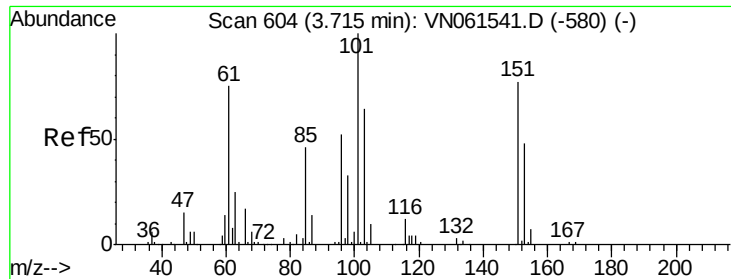


#8

Diethyl Ether
Concen: 0.788 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.01 min
Lab File: VN061550.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	34.1	39.9	119.7#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.772 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

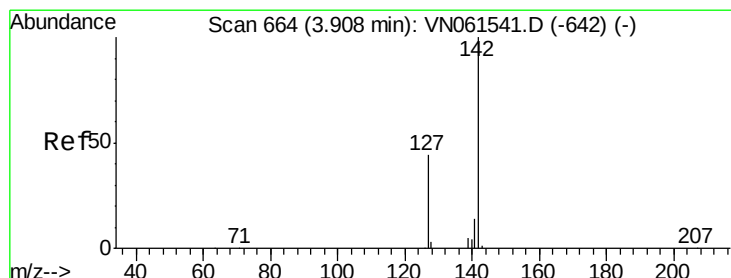
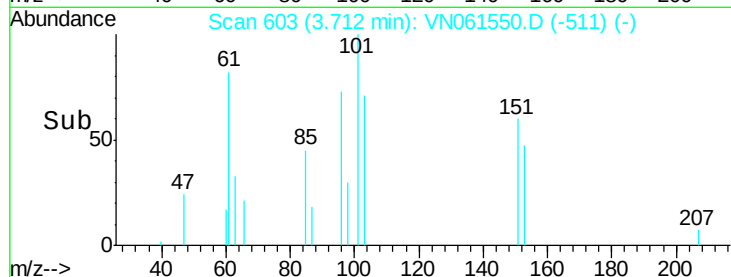
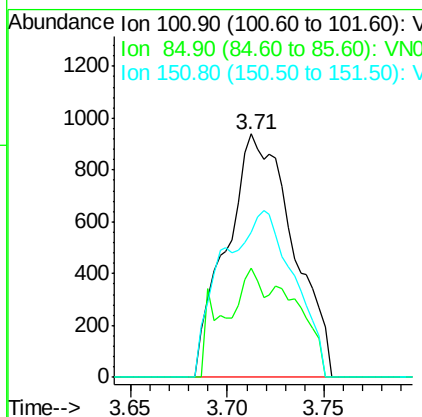
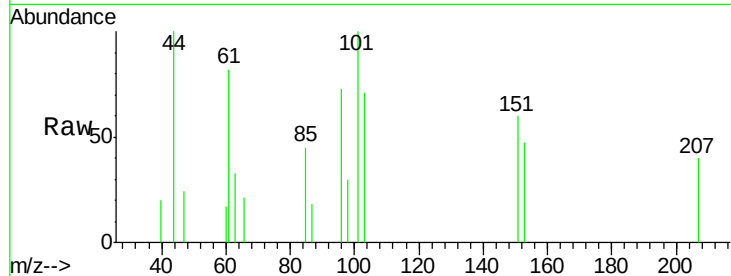
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	101	Resp:	2251
Ion Ratio	Lower	Upper	
101	100		
85	7.9	35.2	52.8#
151	74.1	61.0	91.6

Manual Integrations
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MMDadoda
5/29/2020 5:50:29 PM



#10

Methyl Iodide

Concen: 0.956 ug/l

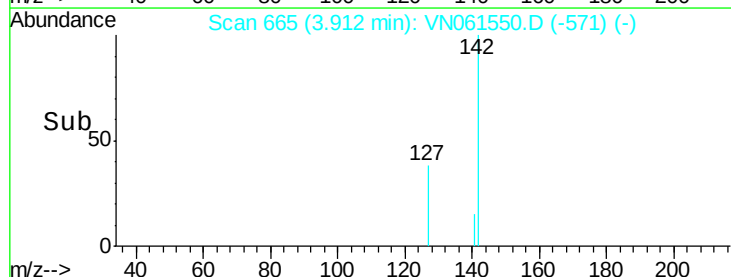
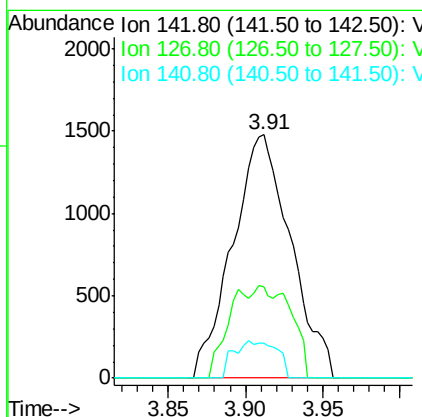
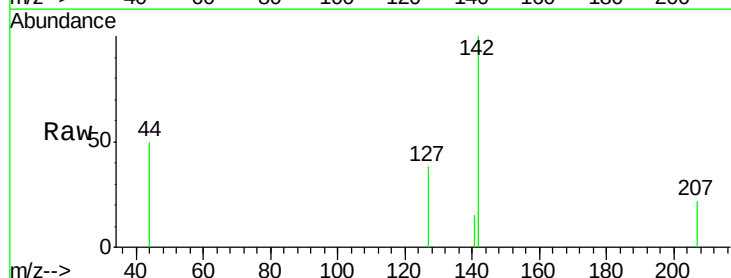
RT: 3.91 min Scan# 665

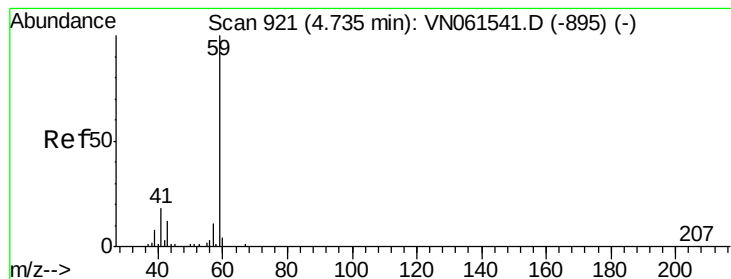
Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	142	Resp:	3870
Ion Ratio	Lower	Upper	
142	100		
127	14.5	35.5	53.3#
141	11.2	11.5	17.3#





#11

Tert butyl alcohol

Concen: 4.900 ug/l m

RT: 4.74 min Scan# 924

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 59 Resp: 2369

Ion Ratio Lower Upper

59 100

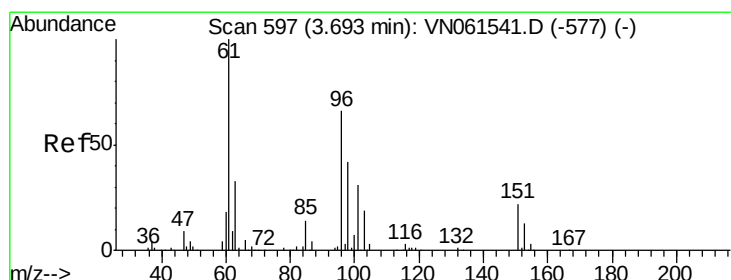
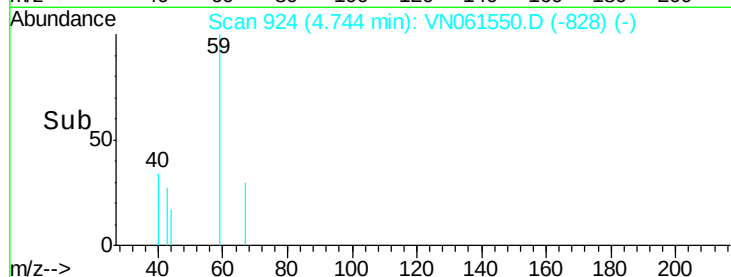
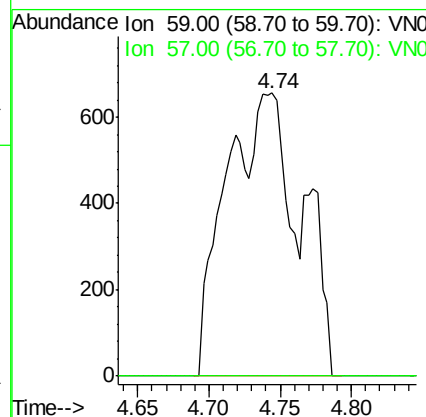
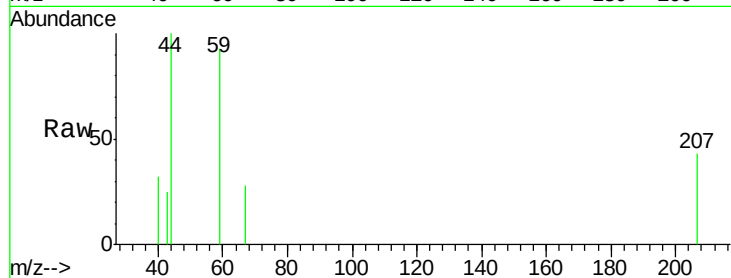
57 0.0 8.4 12.6#

Manual Integrations

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MMDadoda

5/29/2020 5:50:29 PM



#12

1,1-Dichloroethene

Concen: 0.890 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

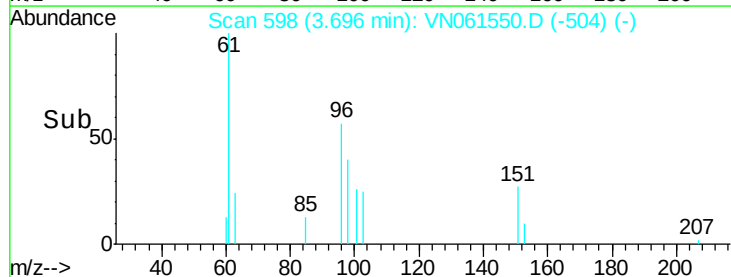
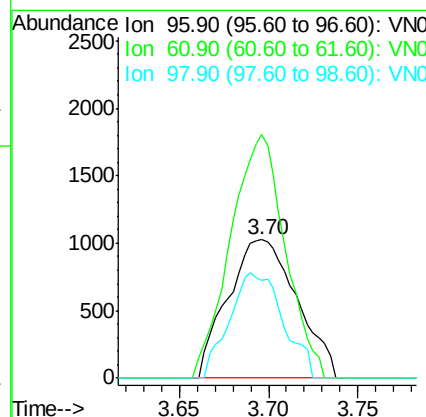
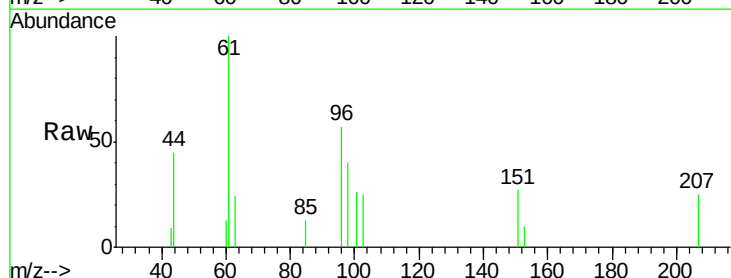
Tgt Ion: 96 Resp: 2775

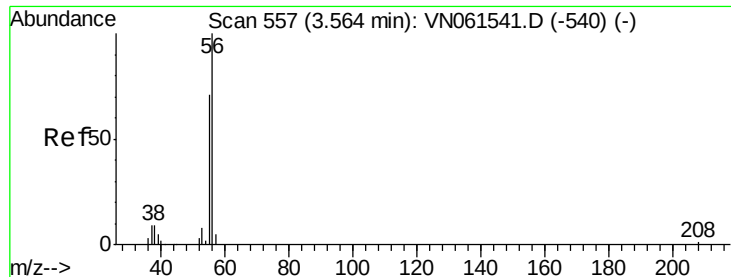
Ion Ratio Lower Upper

96 100

61 176.1 120.5 180.7

98 70.6 50.8 76.2





#13

Acrolein

Concen: 6.388 ug/l m

RT: 3.58 min Scan# 562

Delta R.T. 0.02 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 56 Resp: 1184

Ion Ratio Lower Upper

56 100

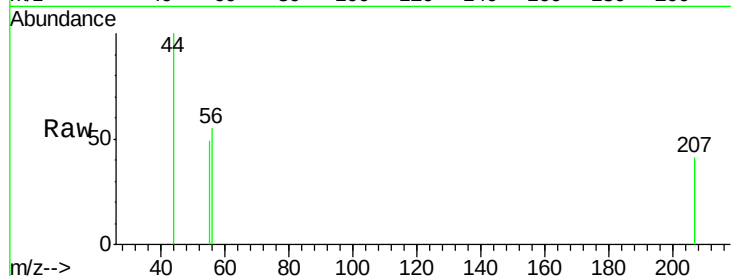
55 60.5 58.0 87.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

500

400

300

200

100

0

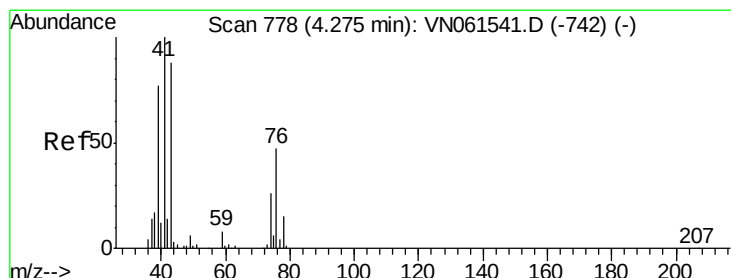
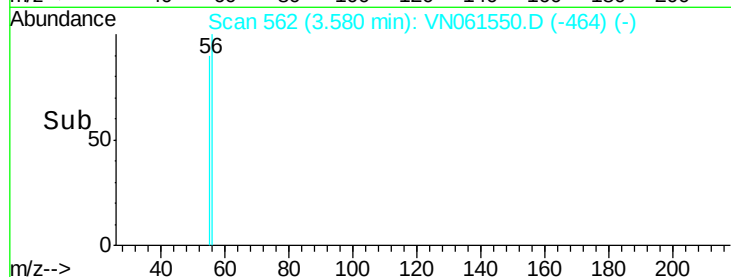
3.50

3.55

3.60

3.65

Time-->



#14

Allyl chloride

Concen: 0.749 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

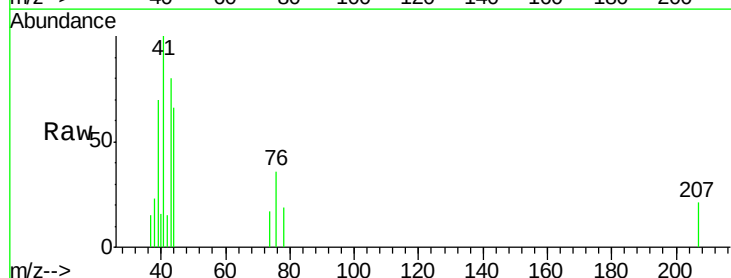
Tgt Ion: 41 Resp: 3053

Ion Ratio Lower Upper

41 100

39 61.4 58.6 88.0

76 13.6 34.2 51.4#



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

1500

1000

500

0

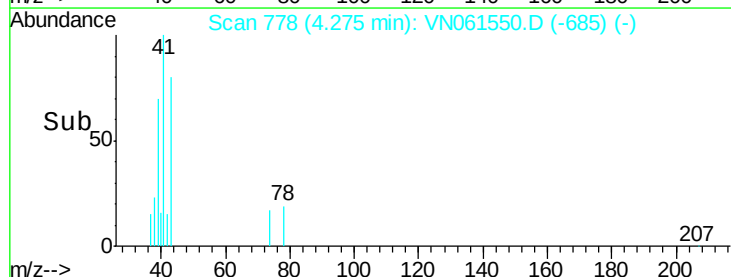
4.20

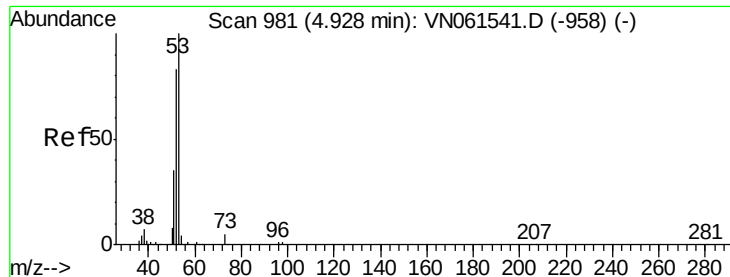
4.25

4.30

4.35

Time-->





#15

Acrylonitrile

Concen: 3.305 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

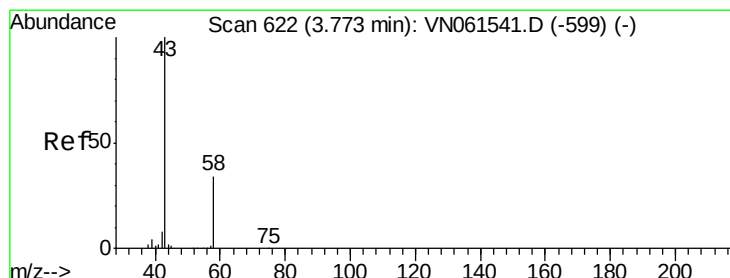
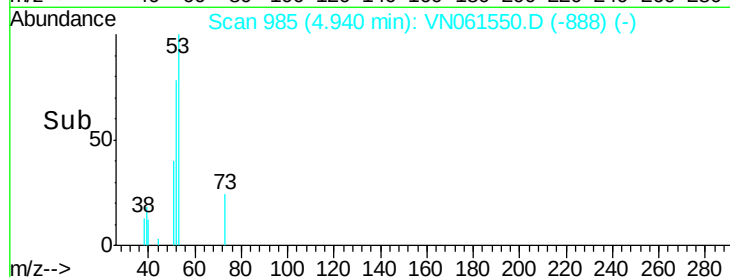
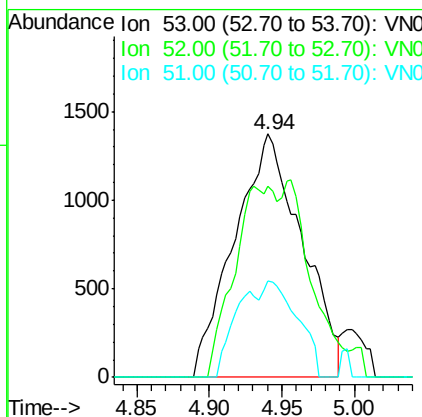
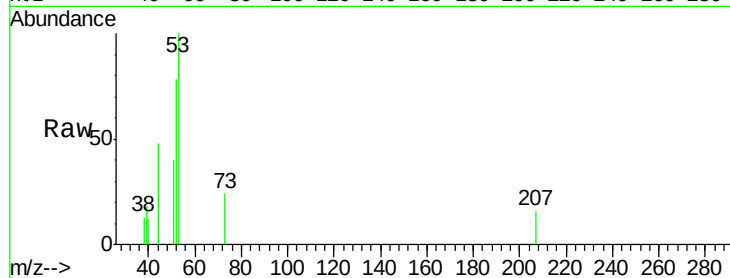
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	53	Resp:	4460
Ion	Ratio	Lower	Upper
53	100		
52	35.7	65.4	98.2#
51	14.2	29.0	43.6#

Manual Integrations
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5/29/2020 5:50:29 PM



#16

Acetone

Concen: 5.725 ug/l

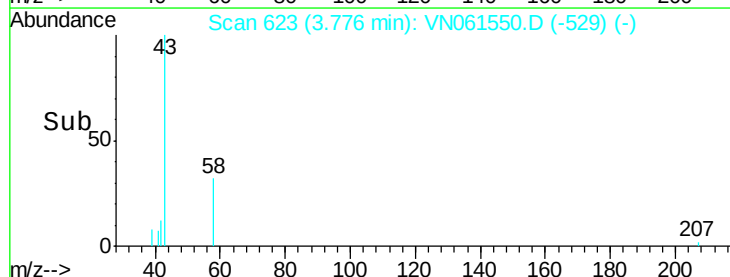
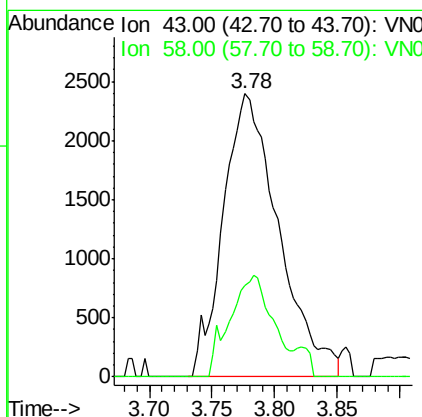
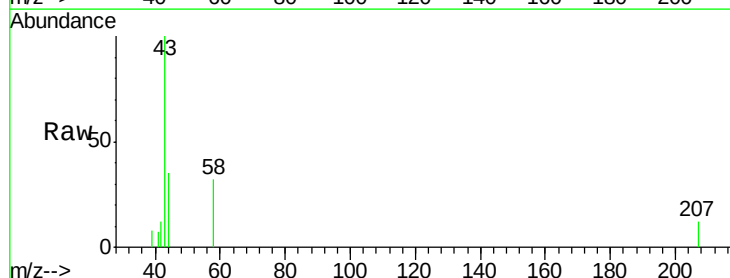
RT: 3.78 min Scan# 623

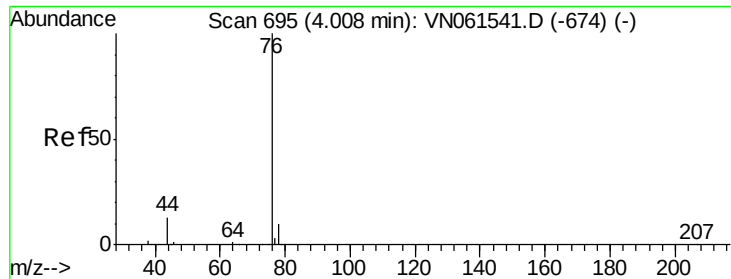
Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	43	Resp:	7359
Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.2	40.8





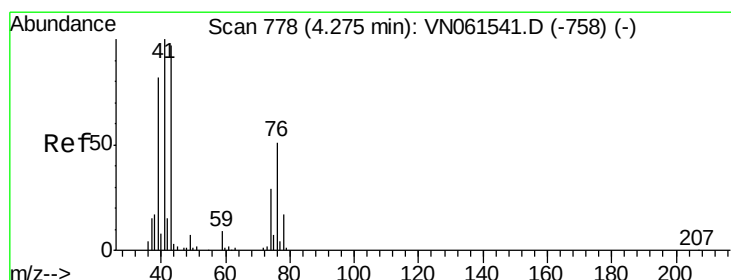
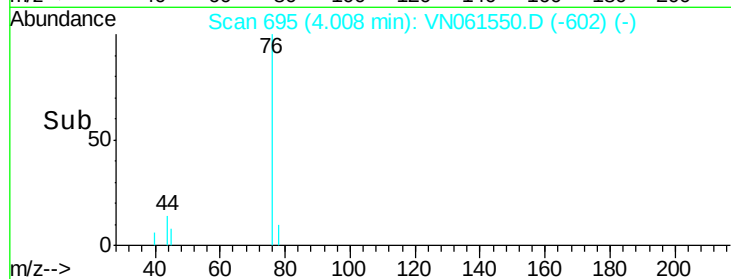
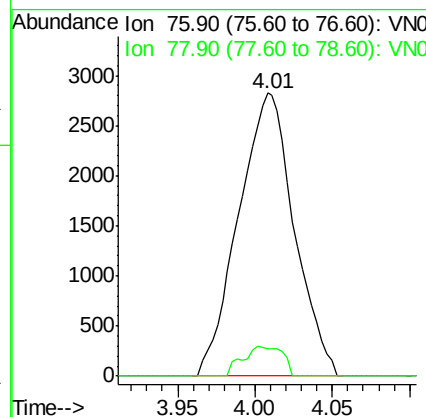
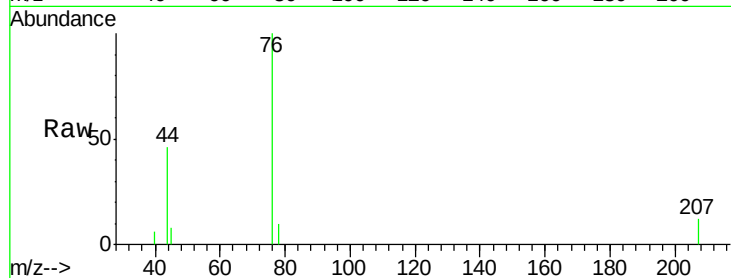
#17
Carbon Disulfide
Concen: 1.029 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 76 Resp: 7056
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.6

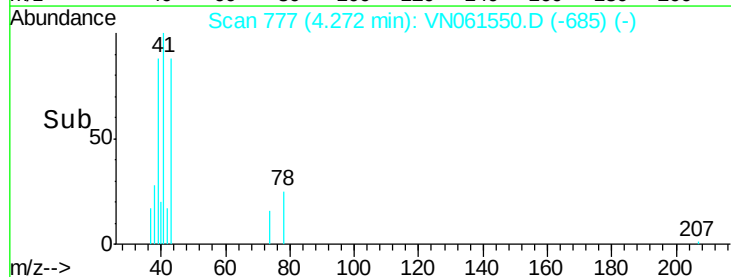
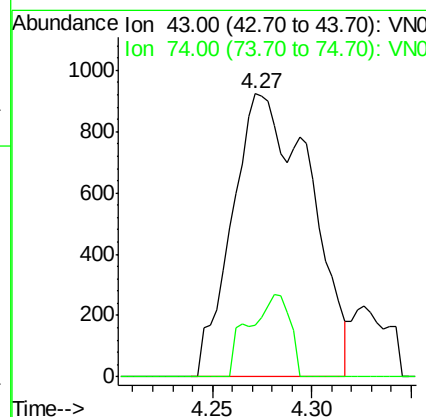
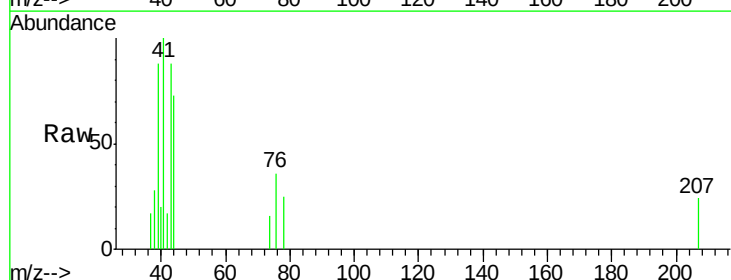
Manual Integrations
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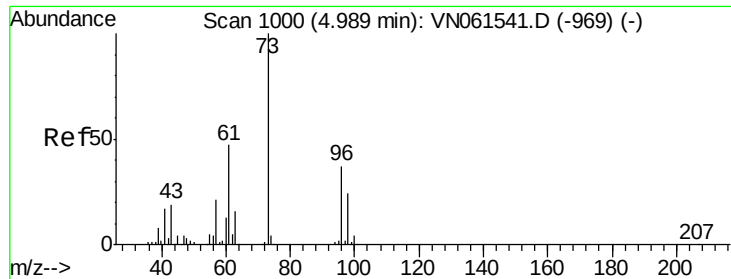
MMDadoda
5/29/2020 5:50:29 PM



#18
Methyl Acetate
Concen: 0.766 ug/l m
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
74 15.2 23.2 34.8#





#19

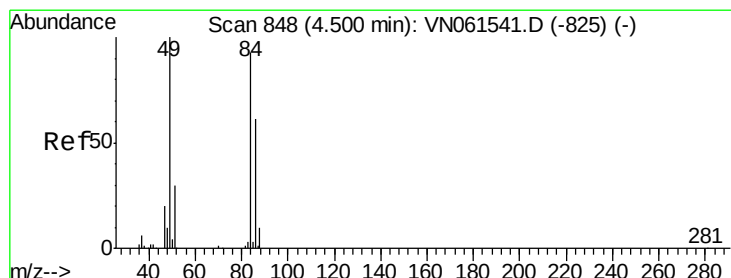
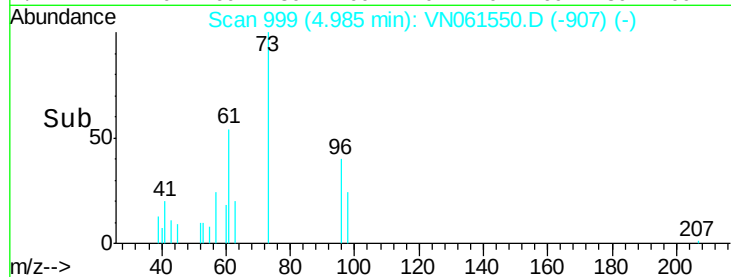
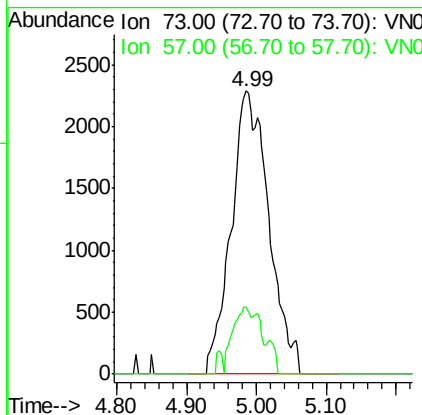
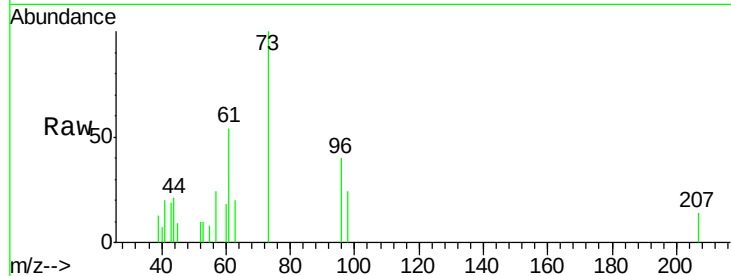
Methvl tert-butyl Ether
 Concen: 0.807 ug/l m
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 73 Resp: 8568
 Ion Ratio Lower Upper
 73 100
 57 23.9 16.4 24.6

Manual Integrations
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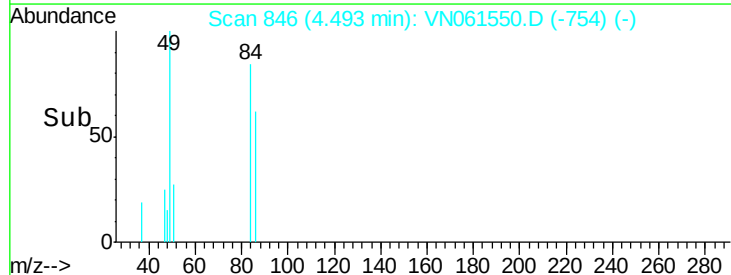
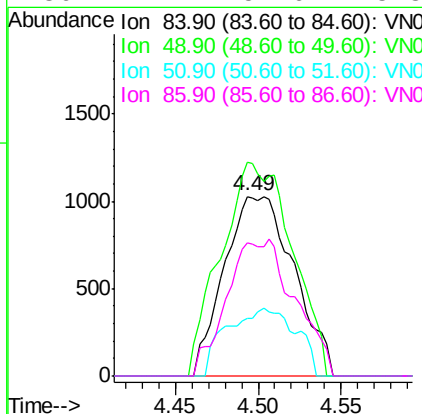
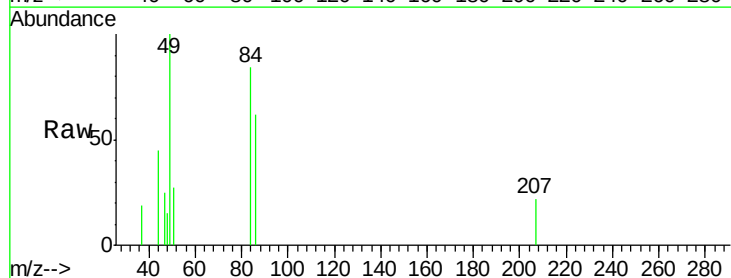
MMDadoda
 5/29/2020 5:50:29 PM

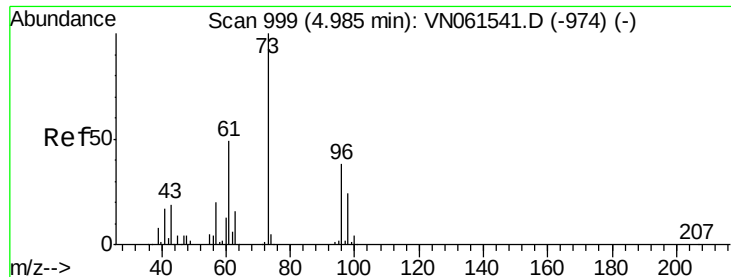


#20

Methylene Chloride
 Concen: 0.675 ug/l
 RT: 4.49 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion: 84 Resp: 3008
 Ion Ratio Lower Upper
 84 100
 49 119.0 85.8 128.8
 51 32.1 26.2 39.2
 86 74.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 0.866 ug/l m

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

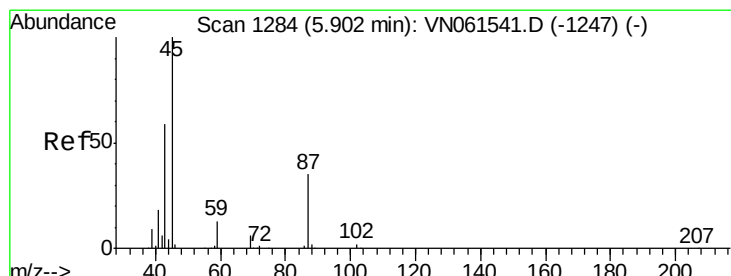
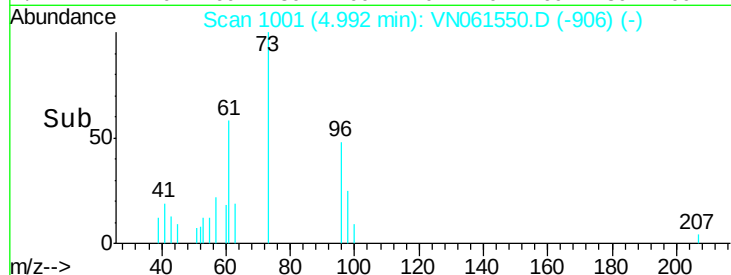
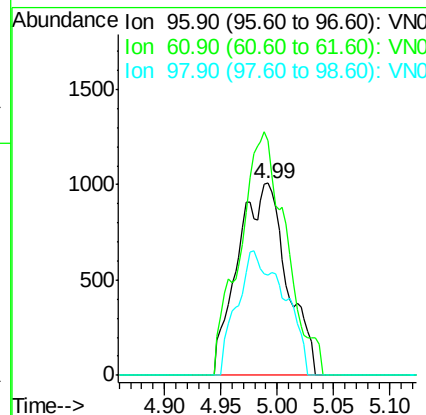
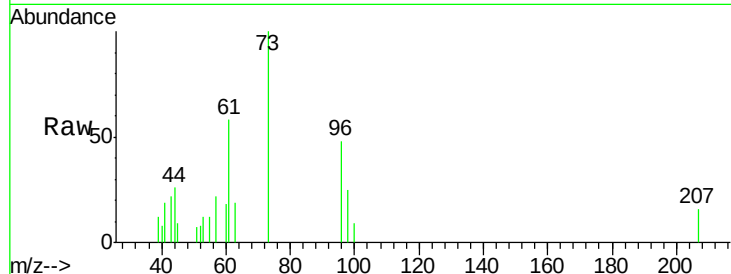
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	96	Resp:	3043
Ion	Ratio	Lower	Upper
96	100		
61	122.4	101.4	152.0
98	52.4	50.6	76.0

Manual Integrations
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MMDadoda
5/29/2020 5:50:29 PM



#22

Diisopropyl ether

Concen: 0.780 ug/l

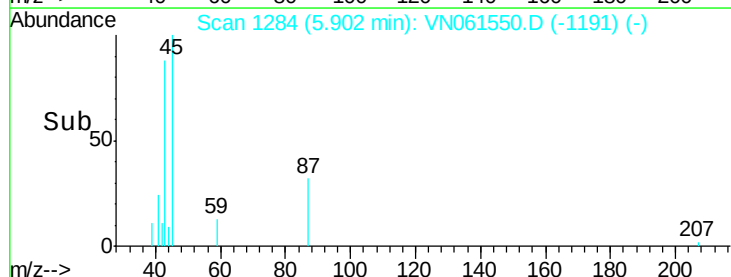
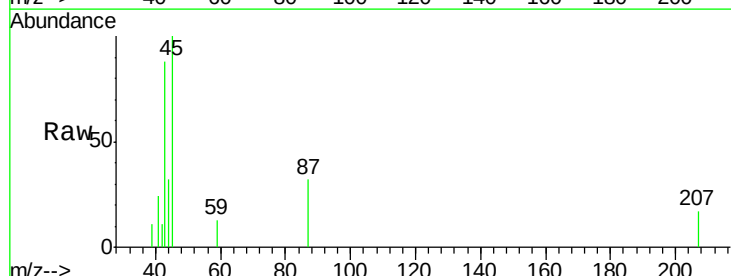
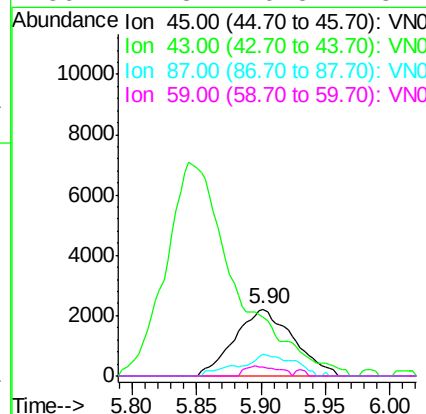
RT: 5.90 min Scan# 1284

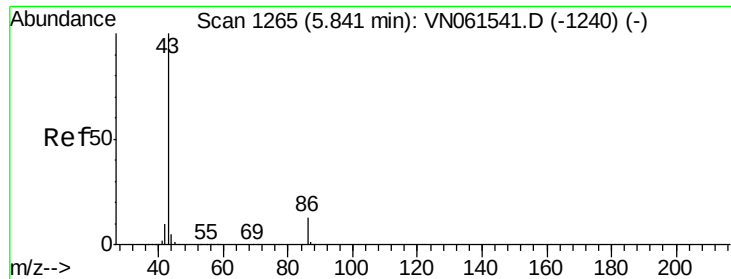
Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	45	Resp:	7004
Ion	Ratio	Lower	Upper
45	100		
43	77.7	47.9	71.9#
87	32.1	28.4	42.6
59	12.8	10.5	15.7





#23

Vinyl Acetate

Concen: 3.725 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 26669

Ion Ratio Lower Upper

43 100

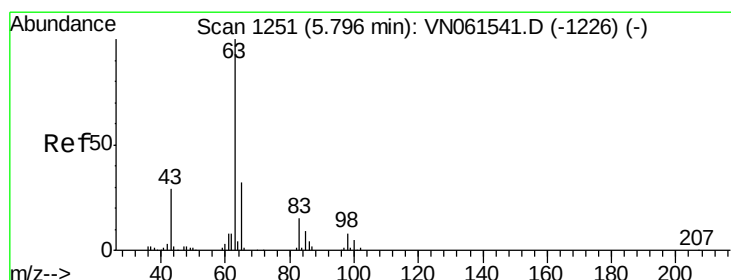
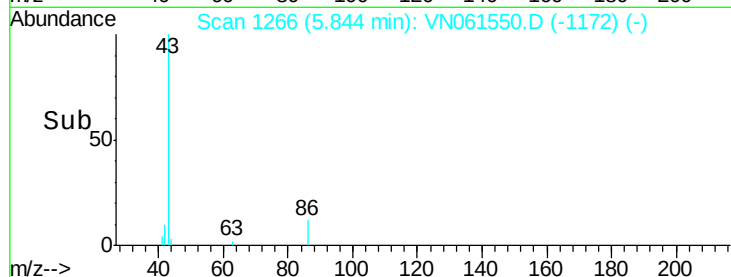
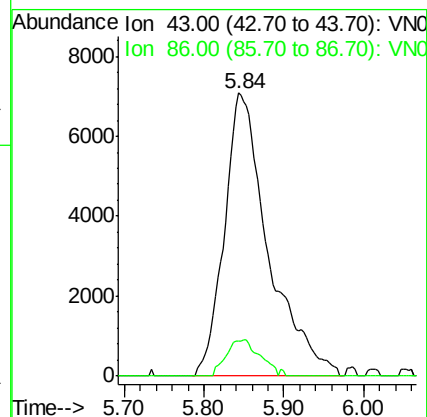
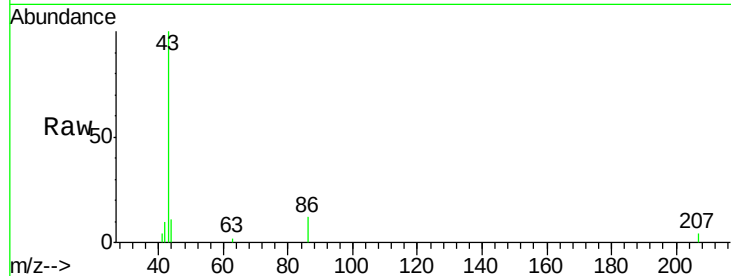
86 12.4 10.6 16.0

Manual Integrations

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MMDadoda

5/29/2020 5:50:29 PM



#24

1,1-Dichloroethane

Concen: 0.812 ug/l m

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

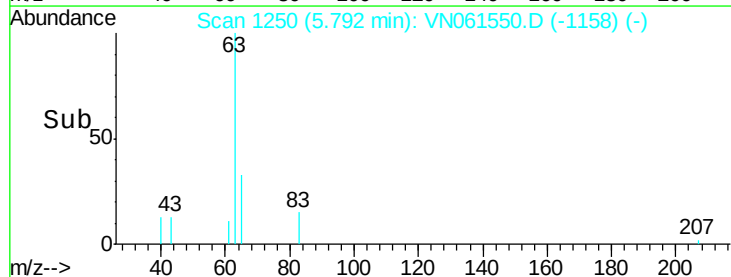
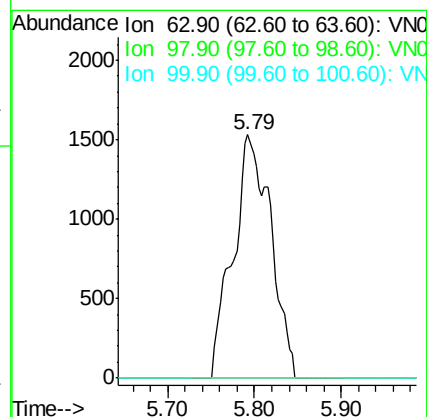
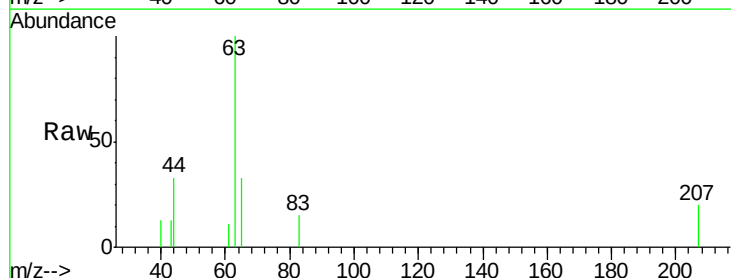
Tgt Ion: 63 Resp: 4623

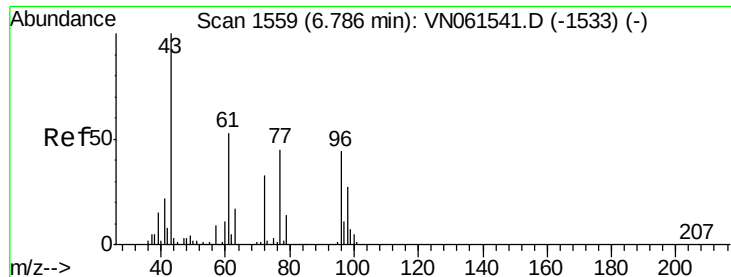
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.4#

100 0.0 2.5 7.6#





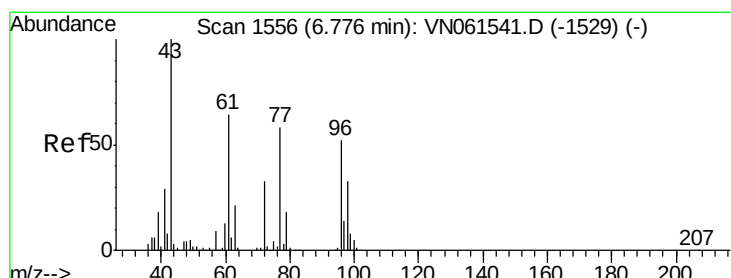
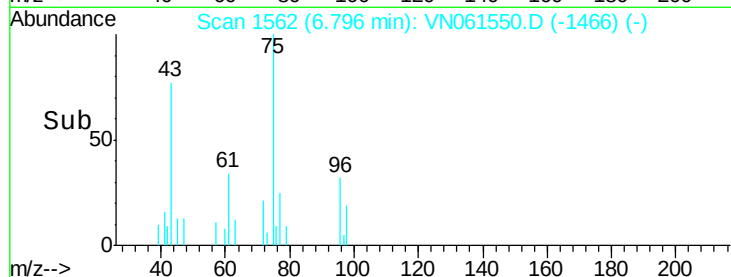
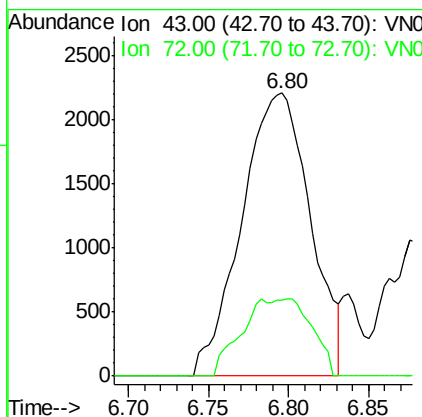
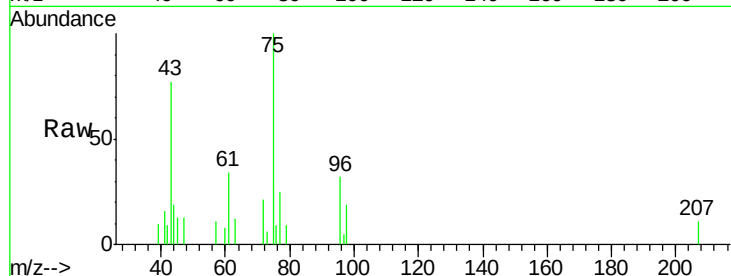
#25
 2-Butanone
 Concen: 3.796 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 6538
 Ion Ratio Lower Upper
 43 100
 72 26.9 26.0 39.0

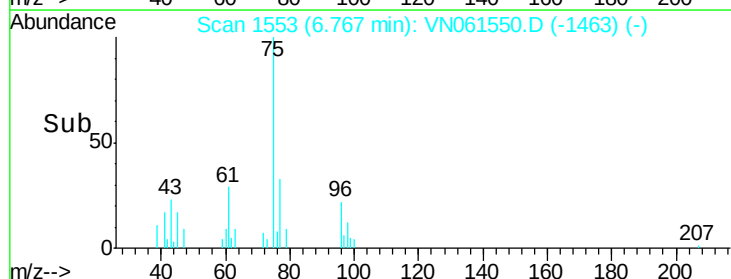
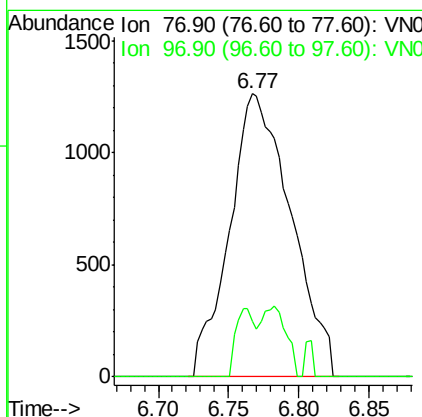
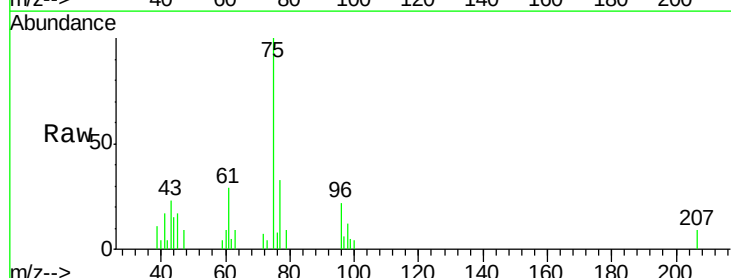
Manual Integrations
 APPROVED

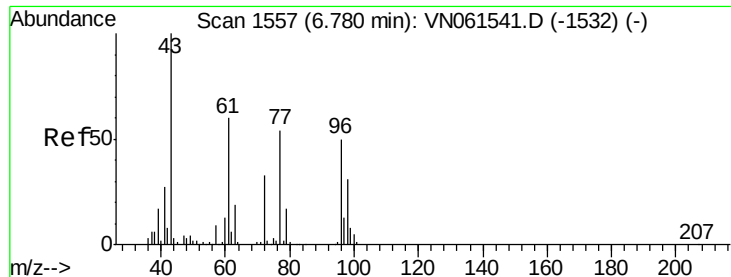
MMDadoda
 5/29/2020 5:50:29 PM



#26
 2,2-Dichloropropane
 Concen: 0.738 ug/l
 RT: 6.77 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion: 77 Resp: 3848
 Ion Ratio Lower Upper
 77 100
 97 7.6 12.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.848 ug/l m

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

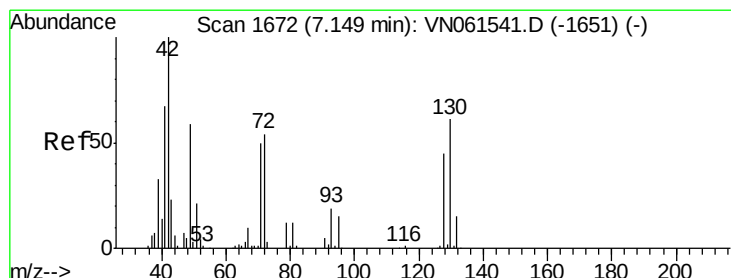
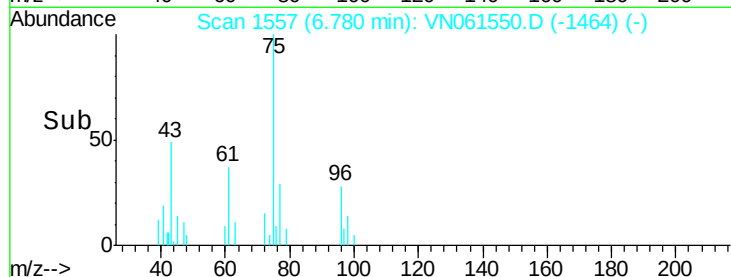
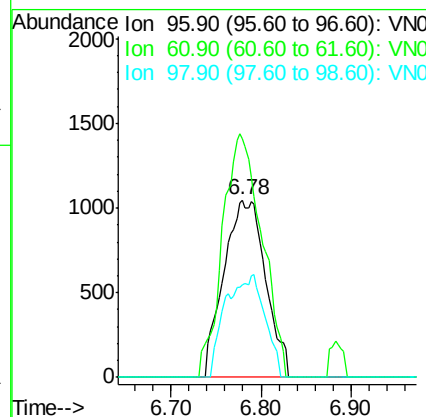
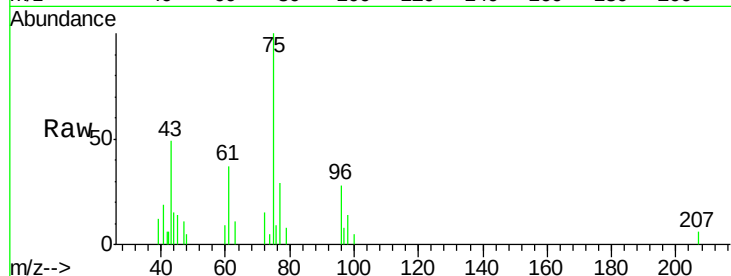
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	96	Resp:	3375
Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	252.2
98	14.6	0.0	129.2

Manual Integrations
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5/29/2020 5:50:29 PM



#28

Bromochloromethane

Concen: 0.317 ug/l

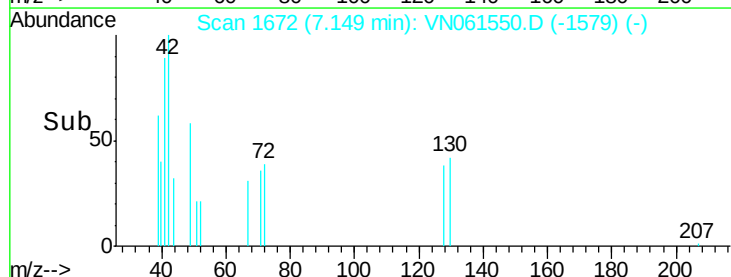
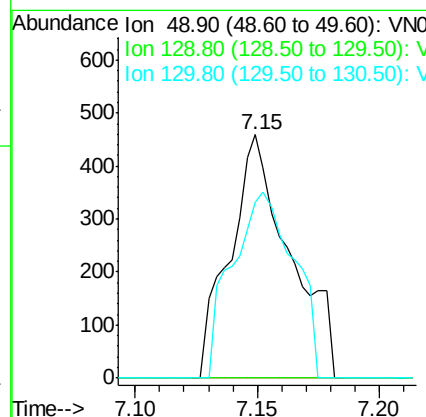
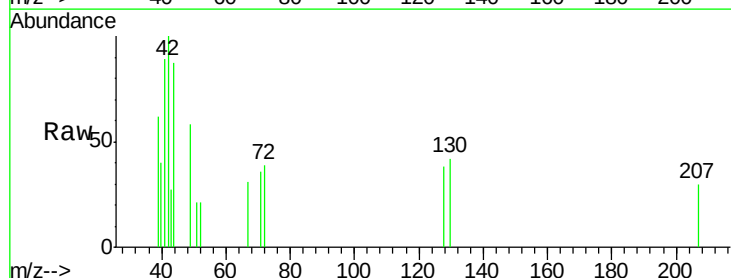
RT: 7.15 min Scan# 1672

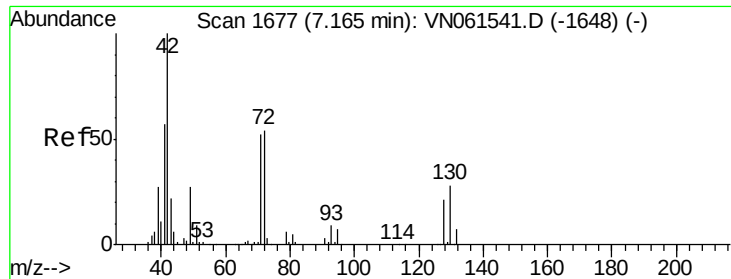
Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	49	Resp:	779
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	79.5	78.8	118.2





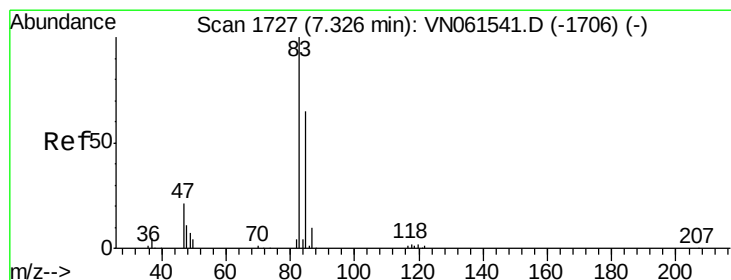
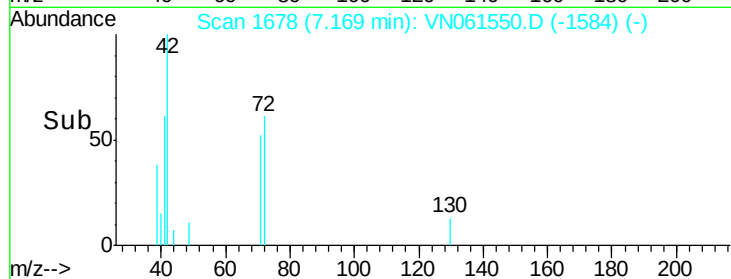
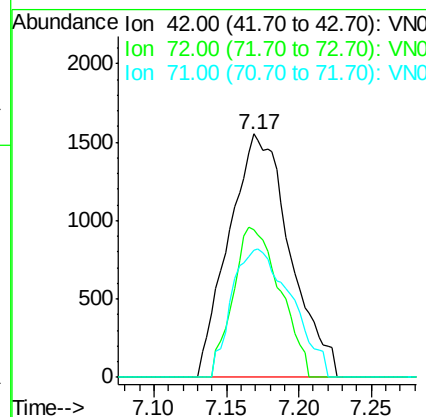
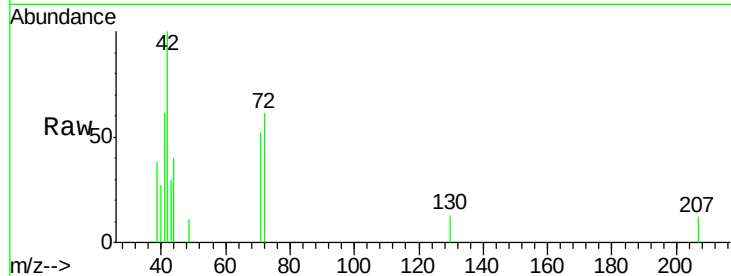
#29
Tetrahydrofuran
Concen: 4.001 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	43.6	65.4
71	51.2	41.2	61.8

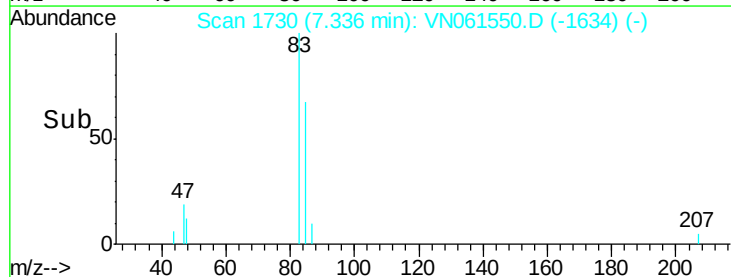
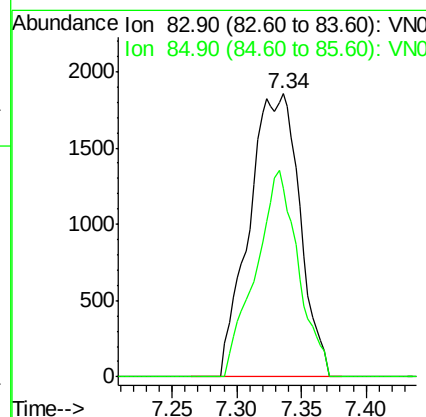
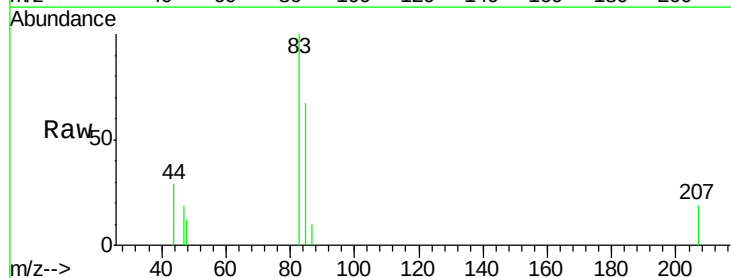
Manual Integrations
APPROVED

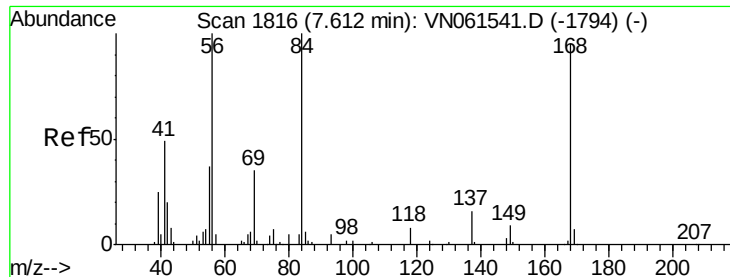
MMDadoda
5/29/2020 5:50:29 PM



#30
Chloroform
Concen: 0.798 ug/l m
RT: 7.34 min Scan# 1730
Delta R.T. 0.01 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.7	77.5





#31

Cyclohexane

Concen: 1.771 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

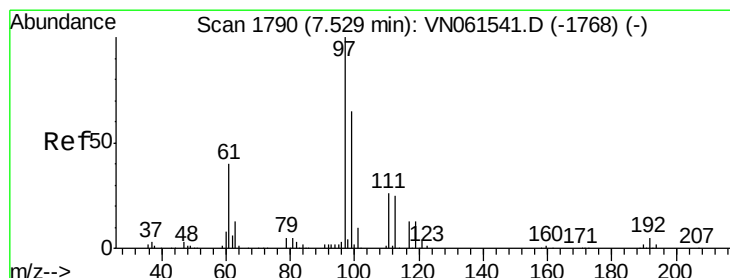
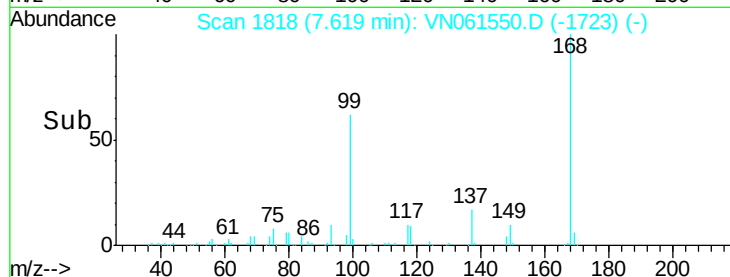
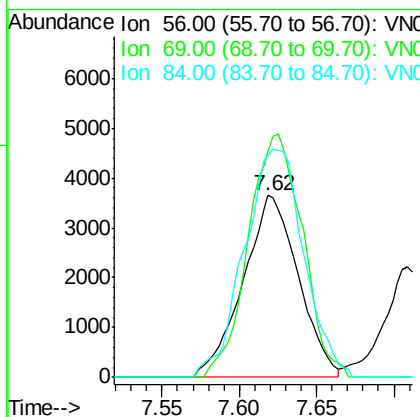
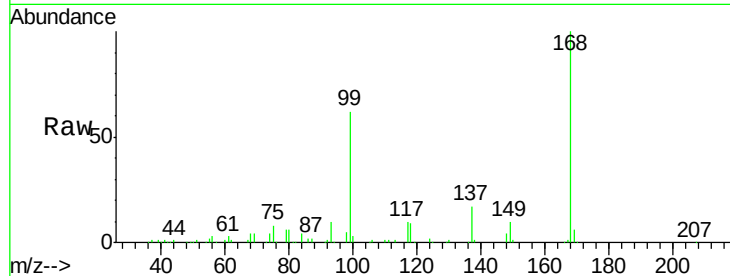
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	56	Resp:	9073
Ion	Ratio	Lower	Upper
56	100		
69	124.2	27.8	41.8#
84	122.3	79.9	119.9#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.751 ug/l m

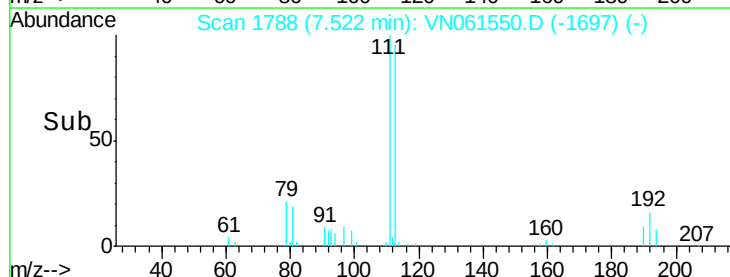
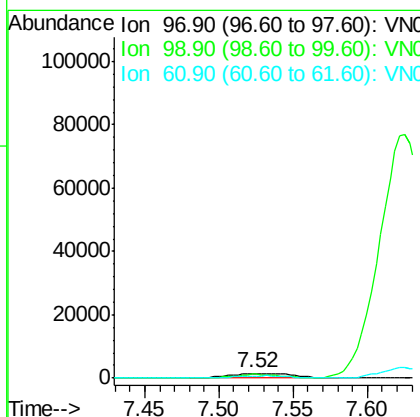
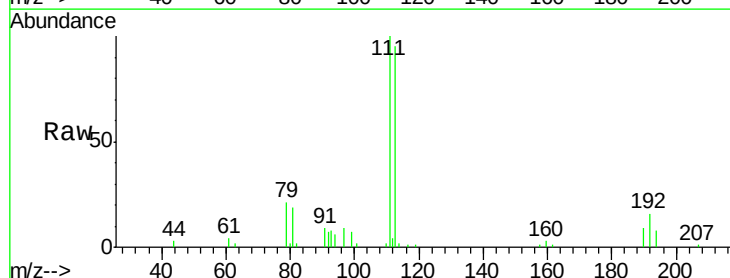
RT: 7.52 min Scan# 1788

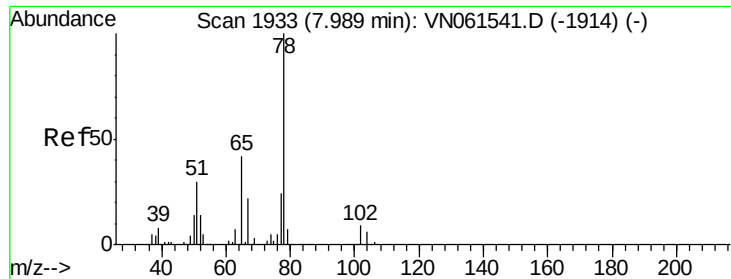
Delta R.T. -0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	97	Resp:	4309
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	42.3	31.4	47.0





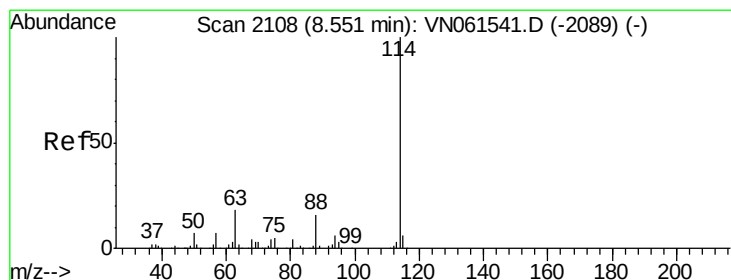
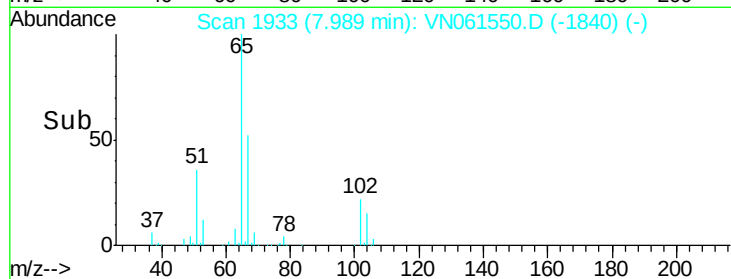
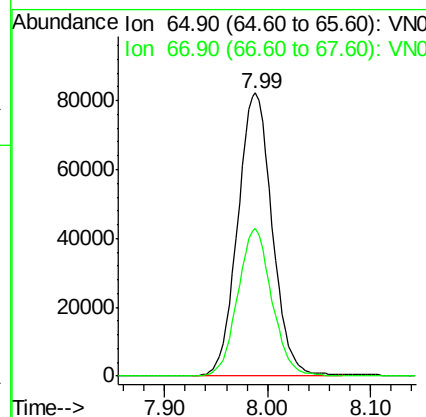
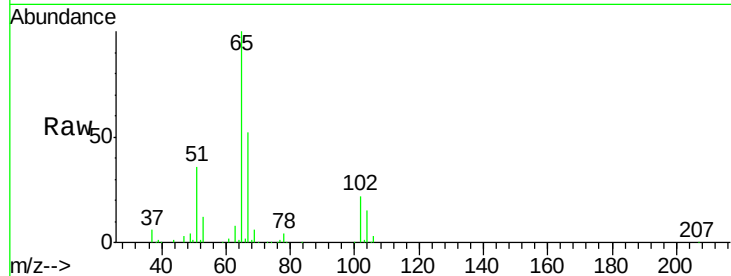
#33
 1,2-Dichloroethane-d4
 Concen: 52.686 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191485		
67	51.5	0.0	104.8	

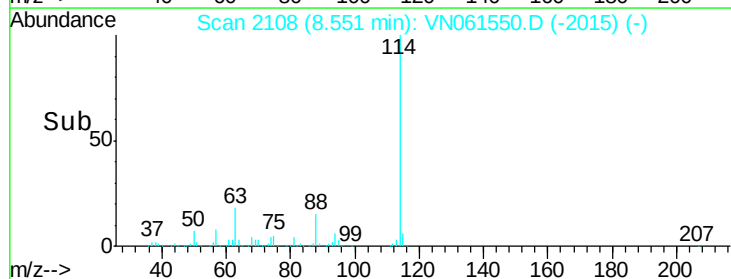
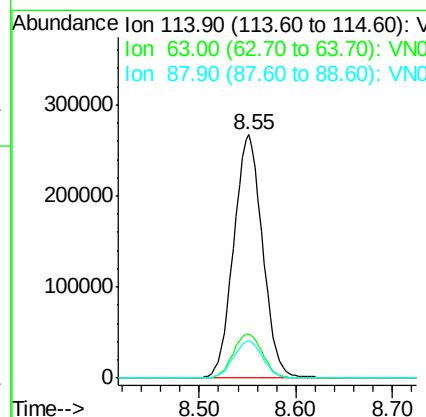
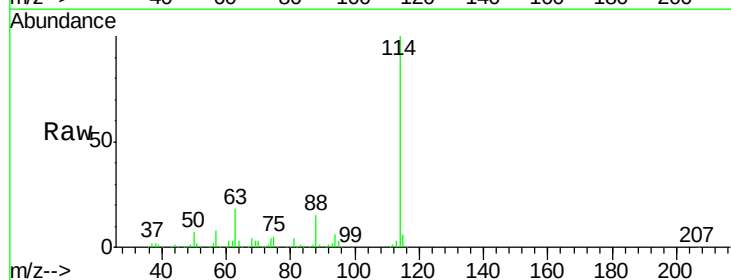
Manual Integrations
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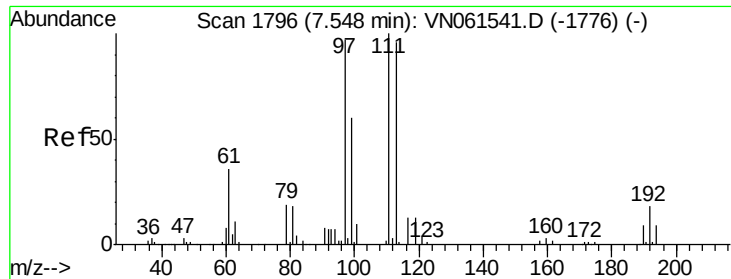
MMDadoda
 5/29/2020 5:50:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	554648		
63	18.1	0.0	35.8	
88	15.3	0.0	31.0	





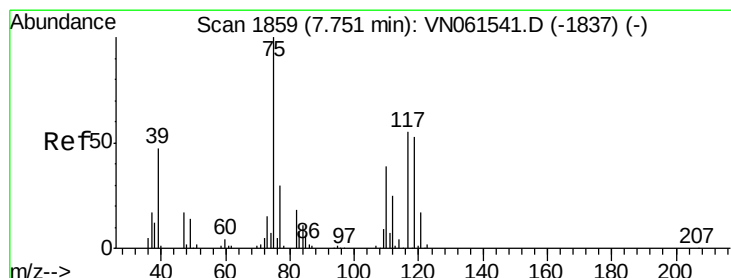
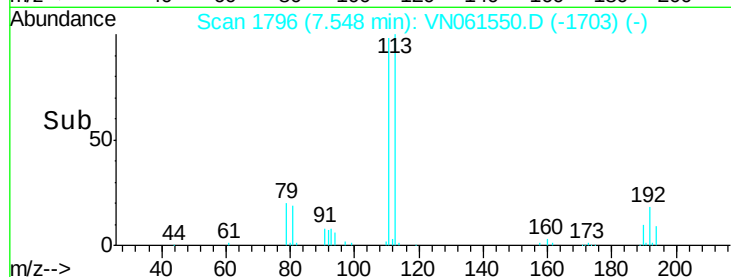
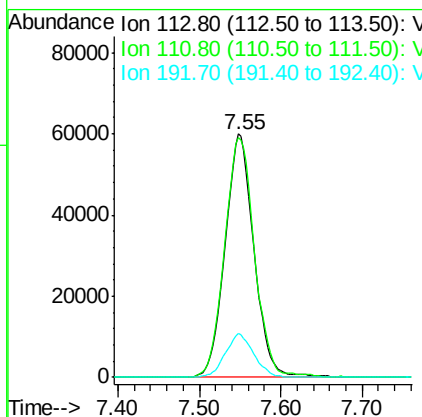
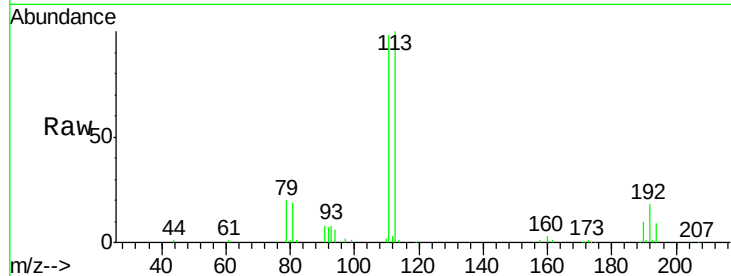
#35
Dibromofluoromethane
Concen: 52.905 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148854		
111	102.5	83.4	125.0	
192	17.7	15.4	23.2	

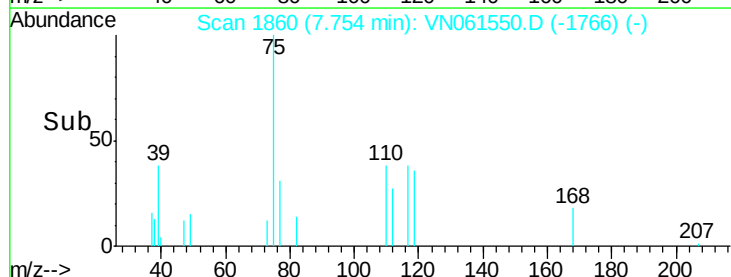
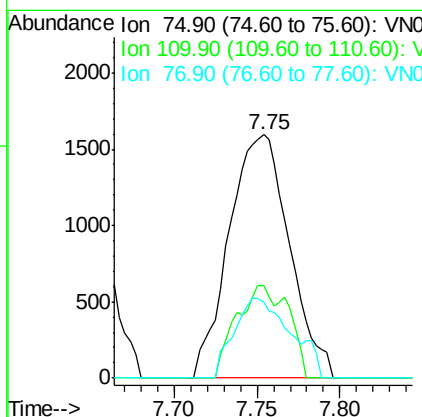
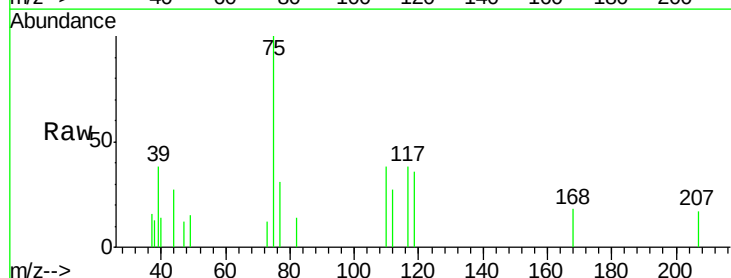
Manual Integrations
APPROVED

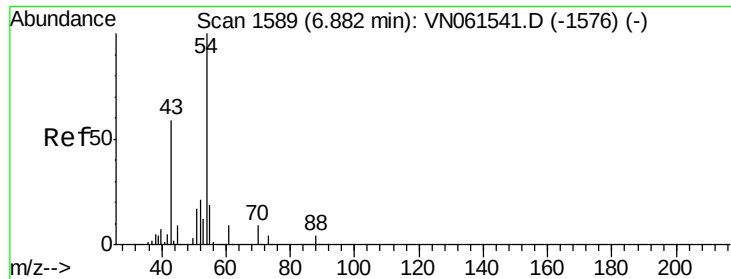
MMDadoda
5/29/2020 5:50:29 PM



#36
1,1-Dichloropropene
Concen: 0.820 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	4026		
110	23.0	19.5	58.5	
77	30.9	24.7	37.1	





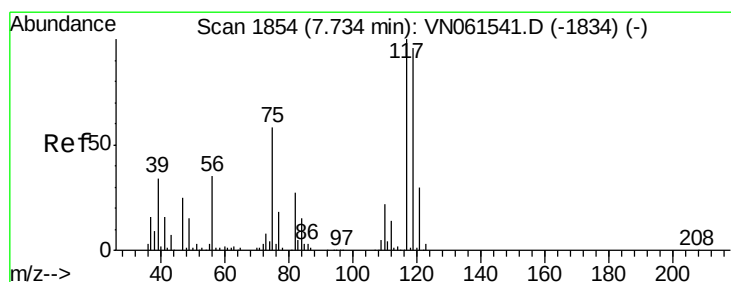
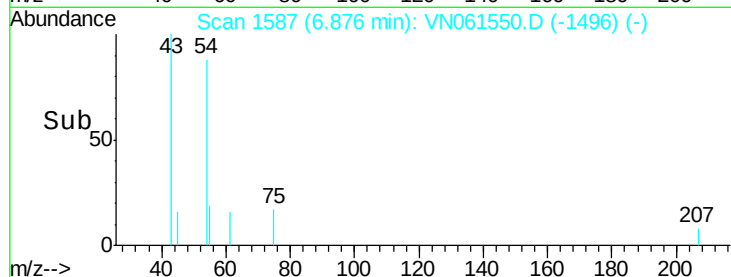
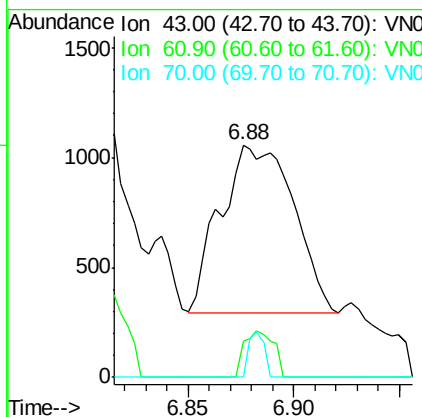
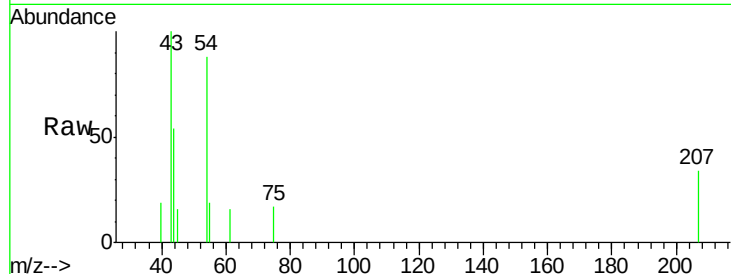
#37
Ethyl Acetate
Concen: 0.463 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	12.2	18.4#
70	5.7	9.4	14.2#

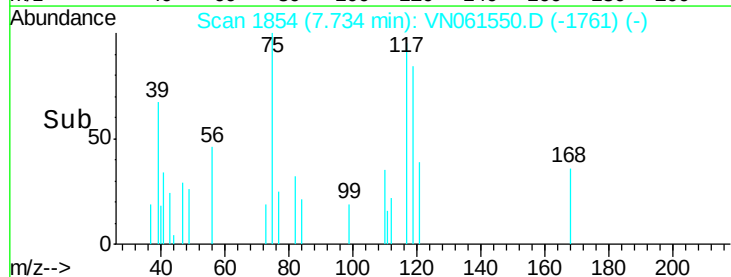
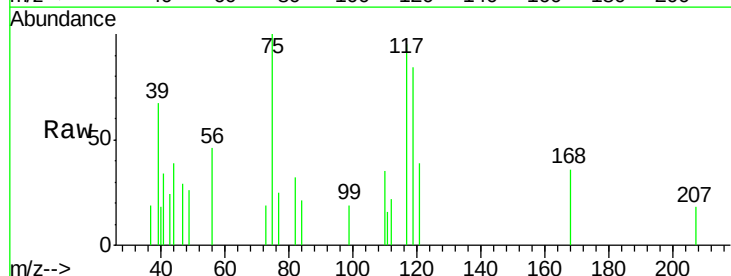
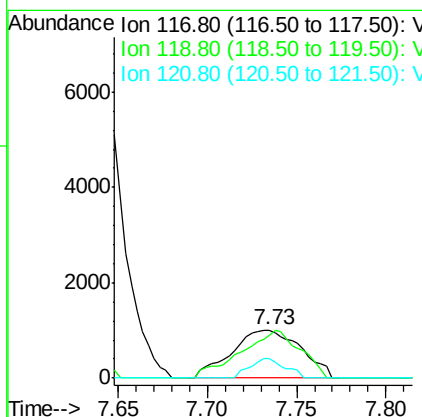
Manual Integrations
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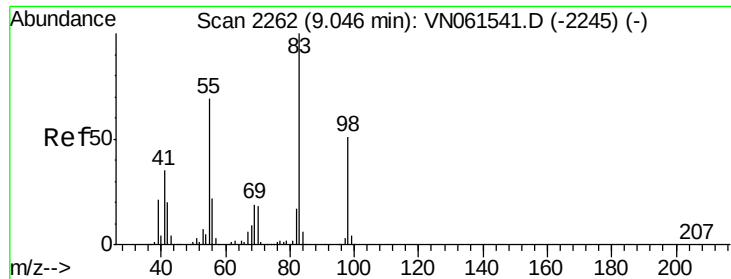
MMDadoda
5/29/2020 5:50:29 PM



#38
Carbon Tetrachloride
Concen: 0.573 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	76.5	114.7
121	40.8	24.1	36.1#





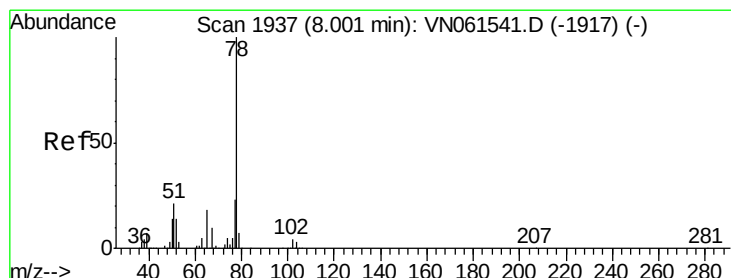
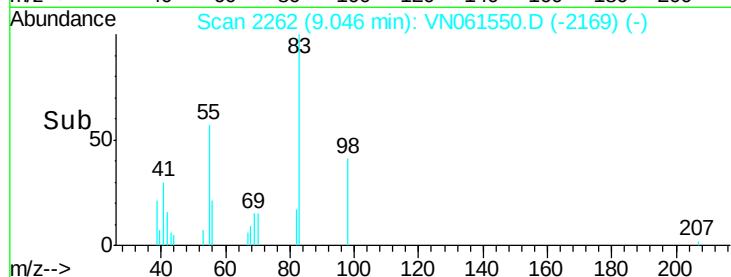
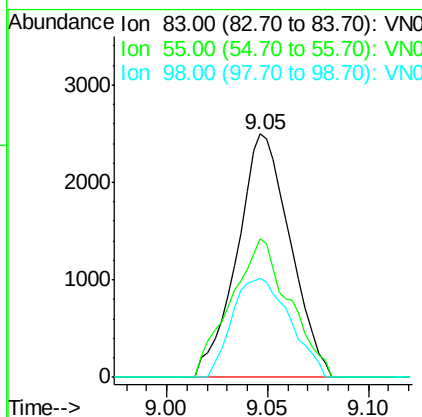
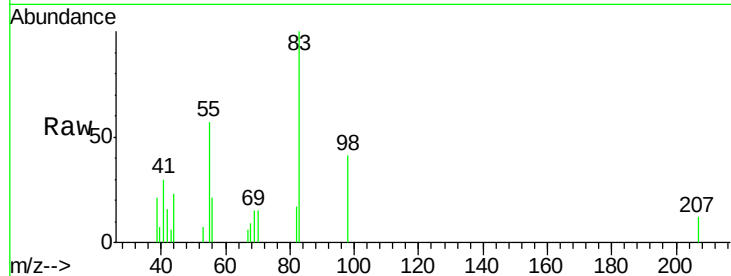
#39
Methylvlcyclohexane
Concen: 0.756 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	56.7	54.9	82.3
98	40.8	41.0	61.4#

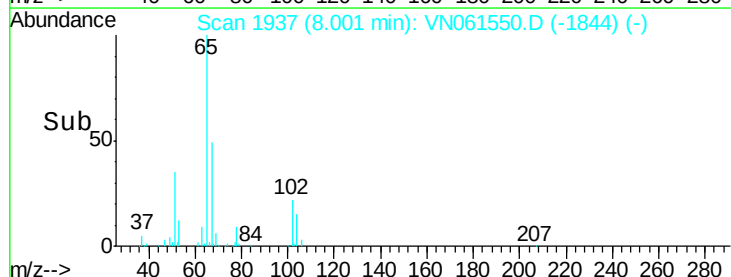
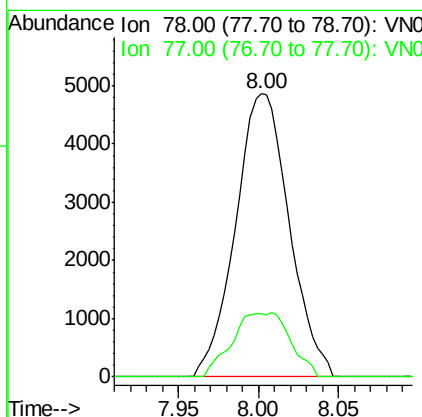
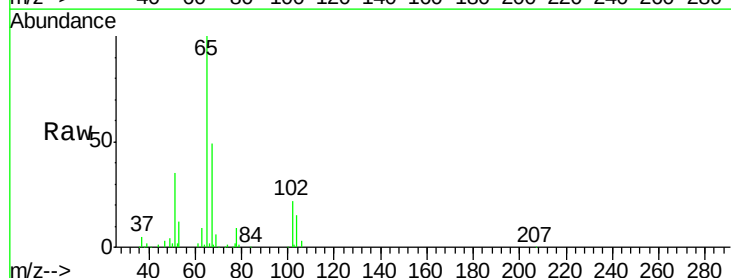
Manual Integrations
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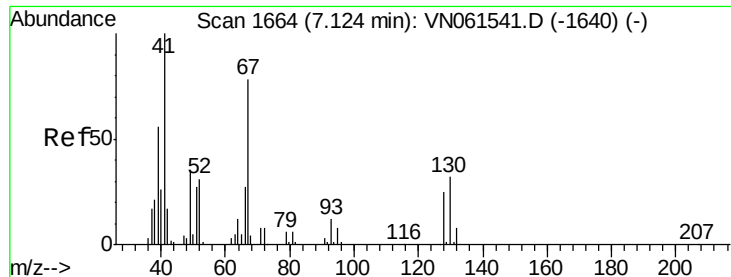
MMDadoda
5/29/2020 5:50:29 PM



#40
Benzene
Concen: 0.738 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.6	28.0





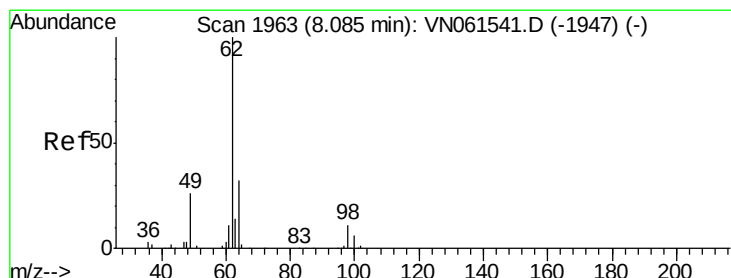
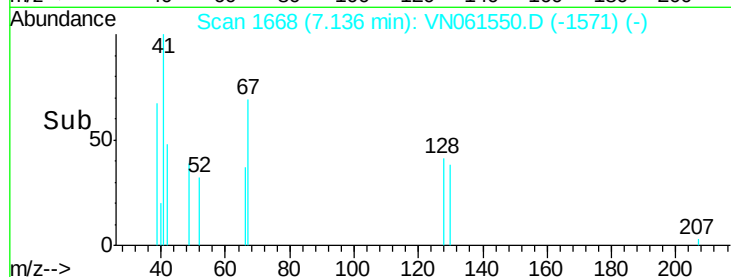
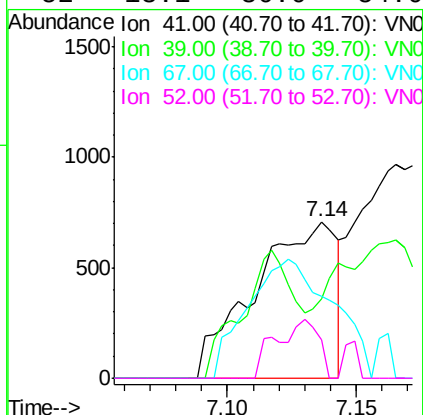
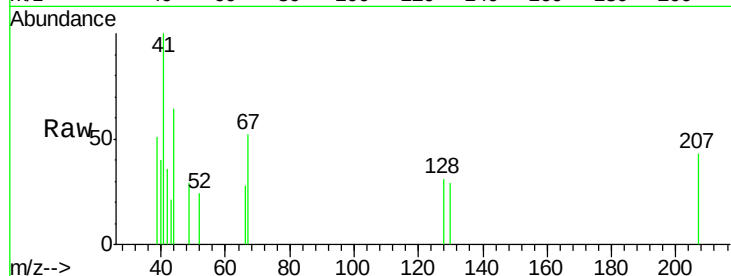
#41
Methacrylonitrile
Concen: 0.862 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
1561	41	100		
	39	0.0	53.8	80.6#
	67	79.2	91.1	136.7#
	52	13.1	36.0	54.0#

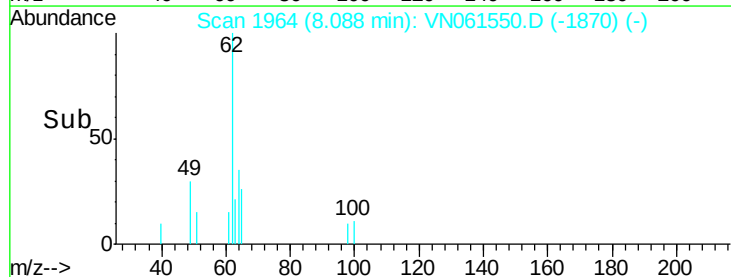
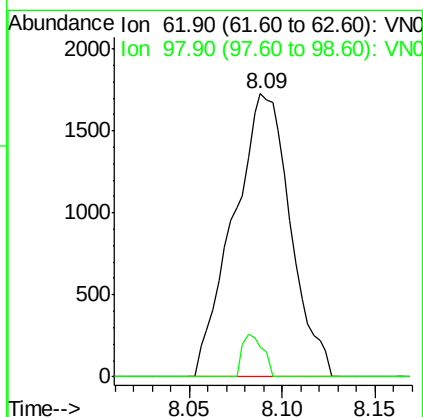
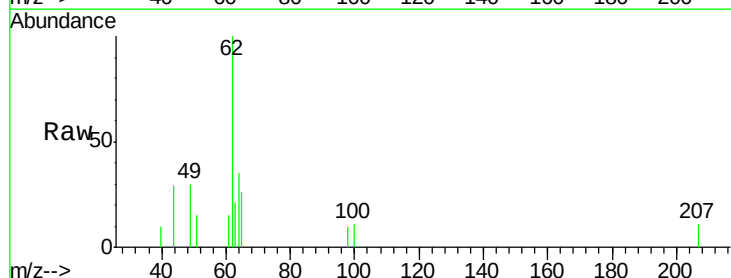
Manual Integrations
APPROVED

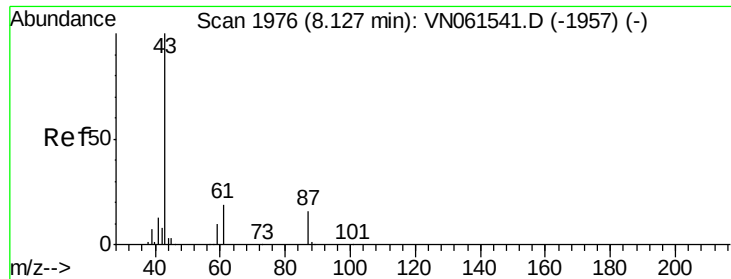
MMDadoda
5/29/2020 5:50:29 PM



#42
1,2-Dichloroethane
Concen: 0.731 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ion	Ratio	Lower	Upper
3706	62	100		
	98	5.3	0.0	21.4





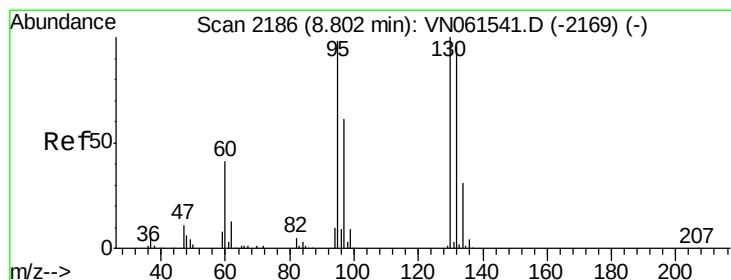
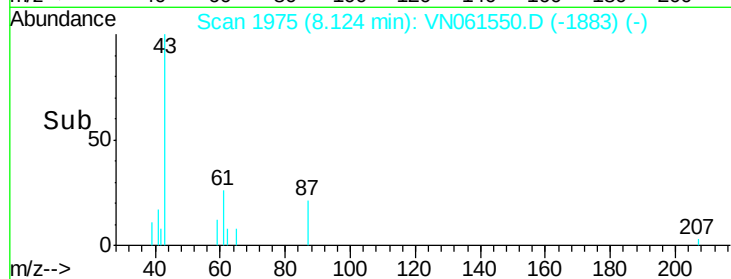
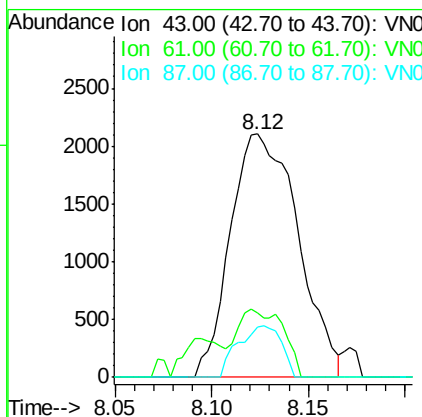
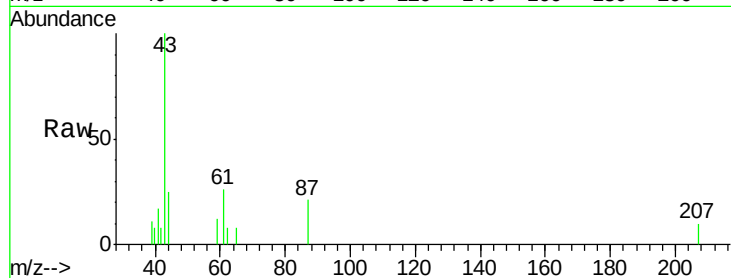
#43
Isopropyl Acetate
Concen: 0.716 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	23.6	35.4#
87	13.5	13.0	19.6

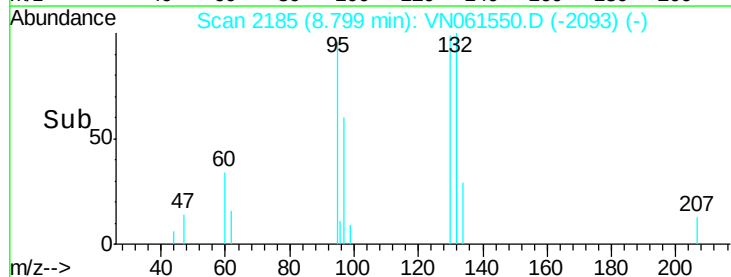
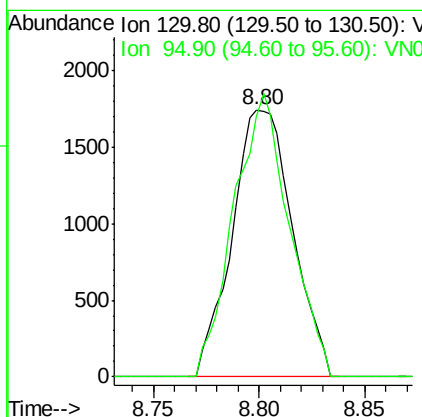
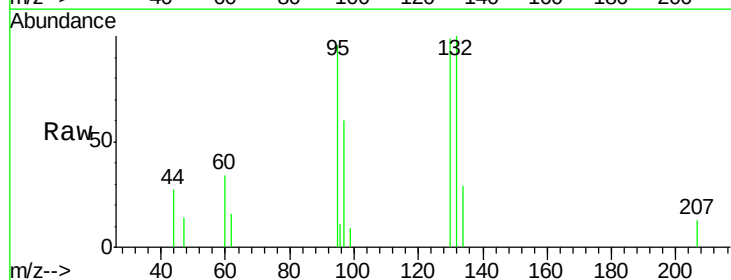
Manual Integrations
APPROVED

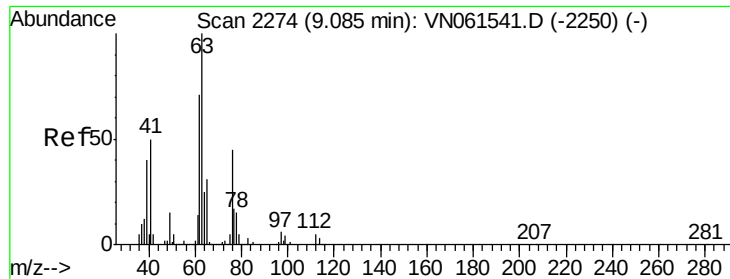
MMDadoda
5/29/2020 5:50:29 PM



#44
Trichloroethene
Concen: 0.747 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	196.6





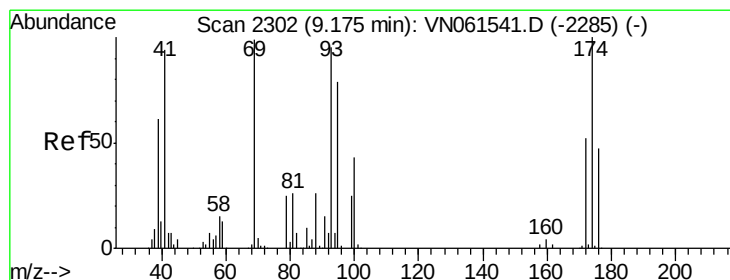
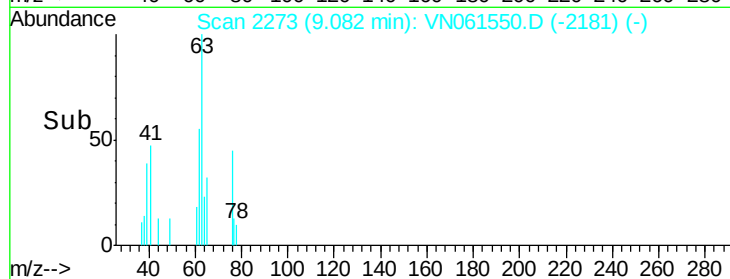
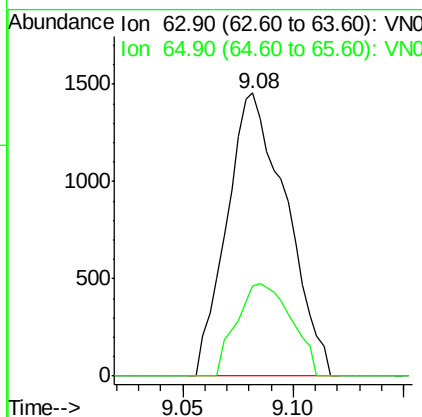
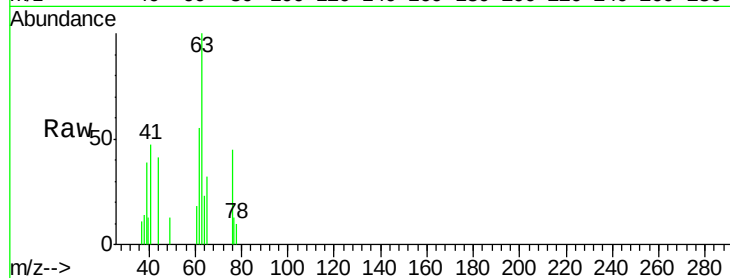
#45
 1,2-Dichloropropane
 Concen: 0.756 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 63 Resp: 2718
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.7 37.1

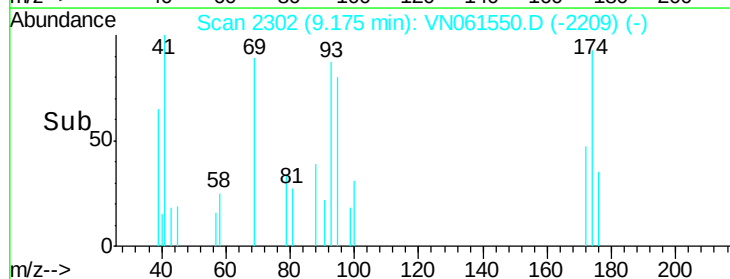
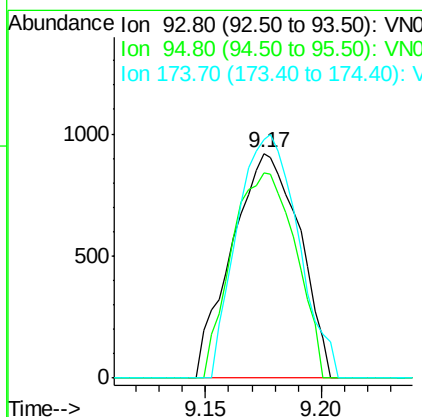
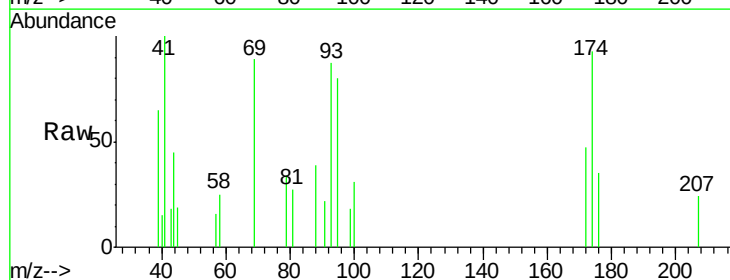
Manual Integrations
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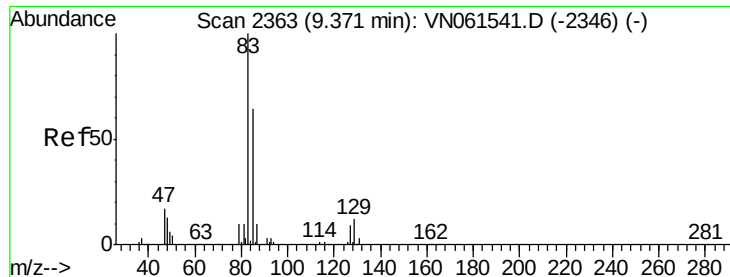
MMDadoda
 5/29/2020 5:50:29 PM



#46
 Dibromomethane
 Concen: 0.676 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion: 93 Resp: 1864
 Ion Ratio Lower Upper
 93 100
 95 86.6 66.0 99.0
 174 97.9 82.5 123.7





#47

Bromodichloromethane

Concen: 0.664 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

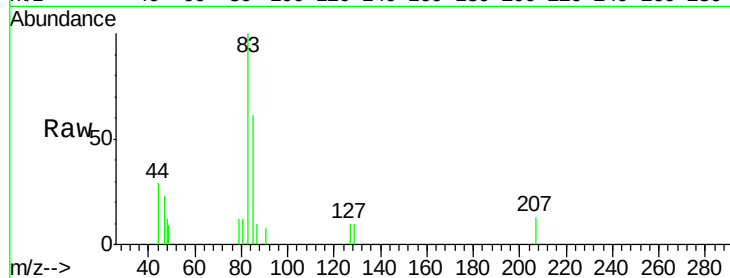
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	83	Resp:	3631
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	9.8	7.2	10.8

Manual Integrations
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MMDadoda
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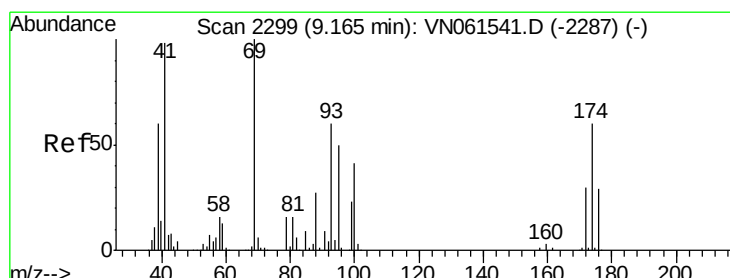
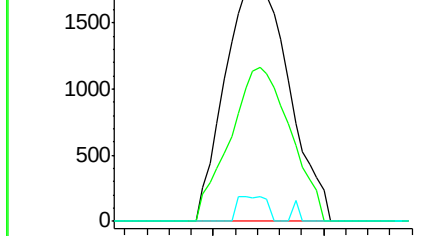
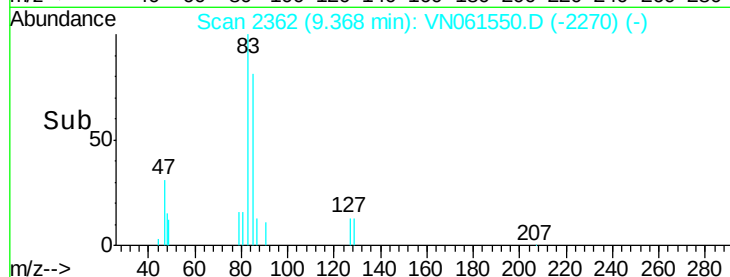


Abundance Ion 82.90 (82.60 to 83.60): VN061550.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061550.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061550.D (-2270) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.661 ug/l

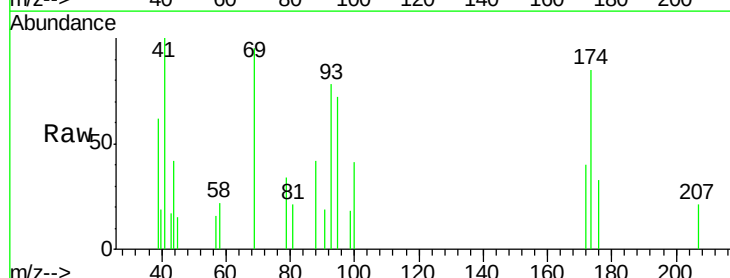
RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	41	Resp:	2115
Ion	Ratio	Lower	Upper
41	100		
69	95.4	83.9	125.9
39	72.4	52.1	78.1

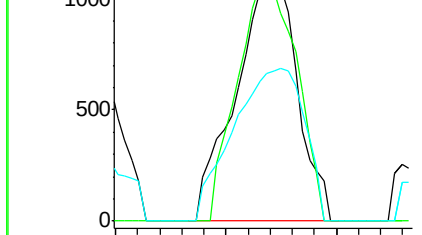
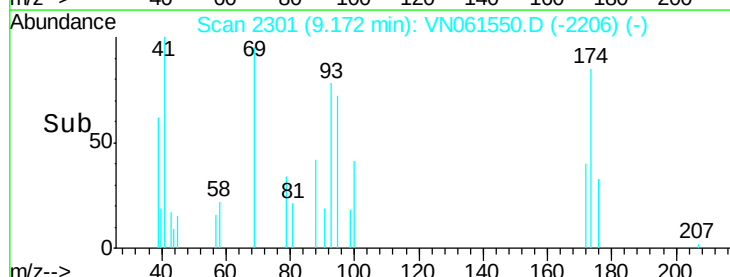


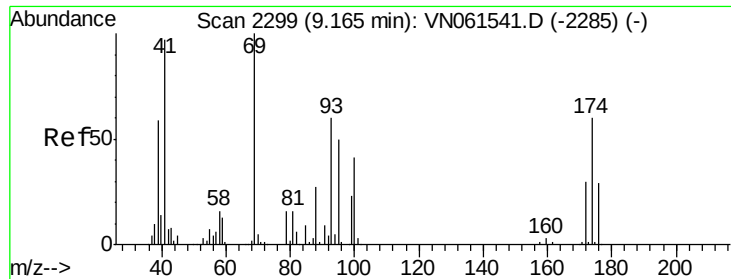
Abundance Ion 41.00 (40.70 to 41.70): VN061550.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061550.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061550.D (-2206) (-)

Time-->





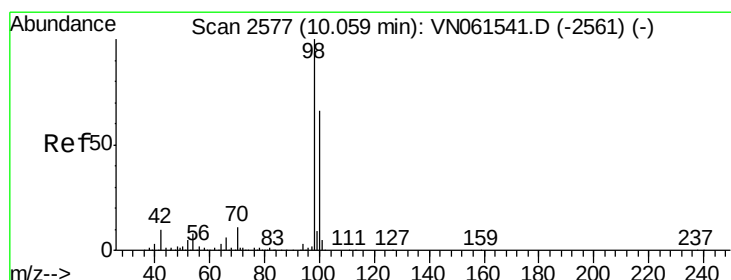
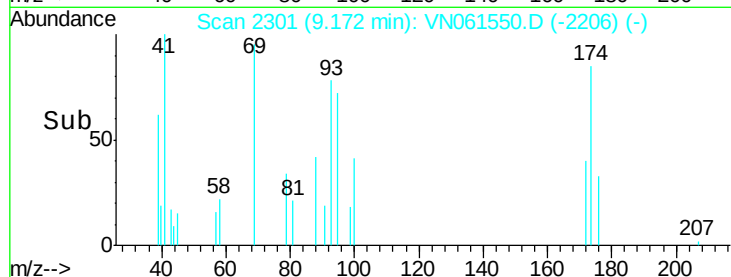
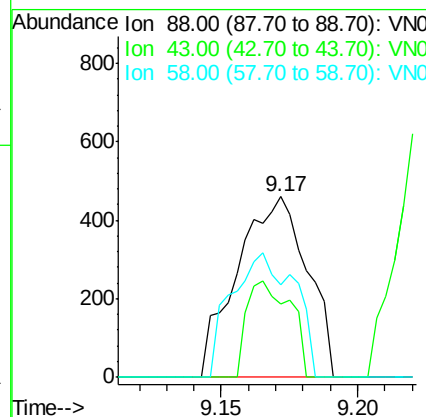
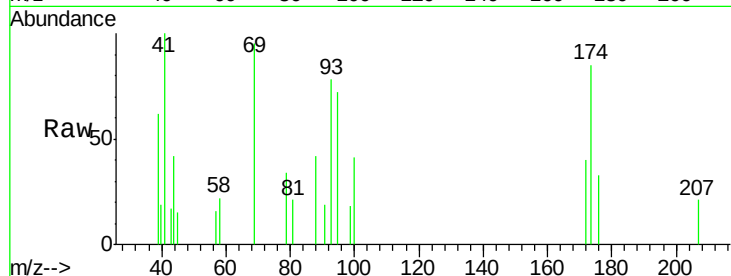
#49
1,4-Dioxane
Concen: 16.535 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	23.1	34.7
58	62.2	48.3	72.5

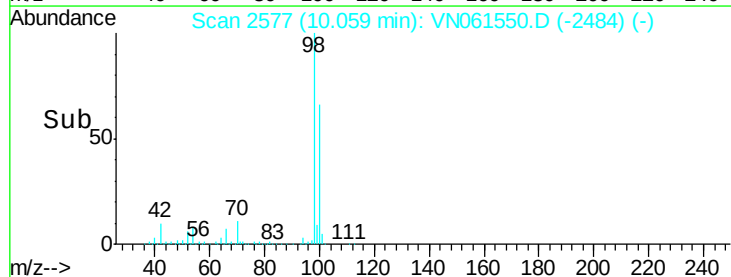
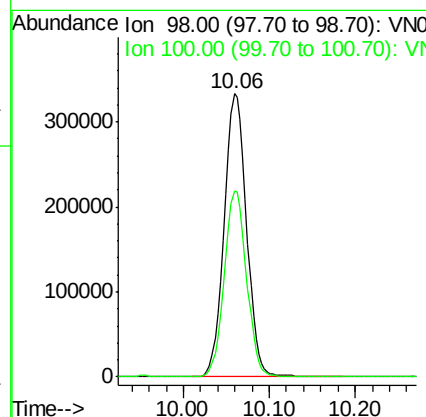
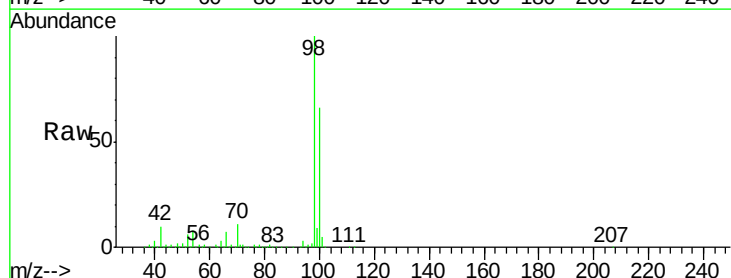
Manual Integrations
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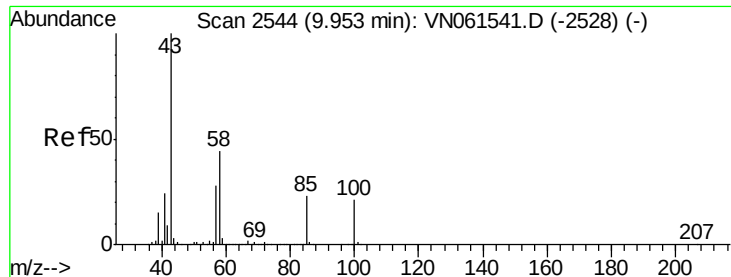
MMDadoda
5/29/2020 5:50:29 PM



#50
Toluene-d8
Concen: 46.363 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.8	79.2





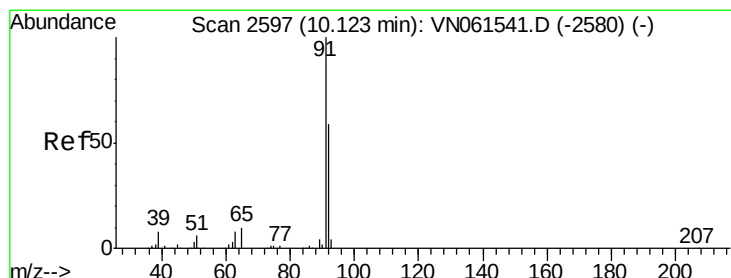
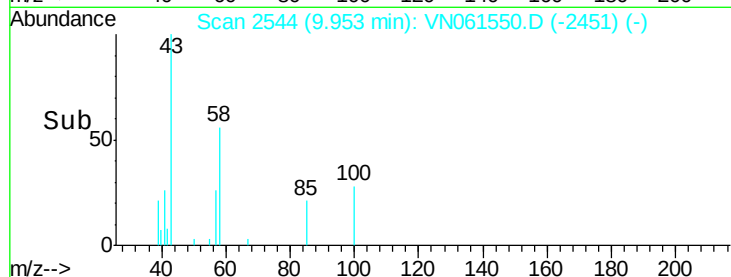
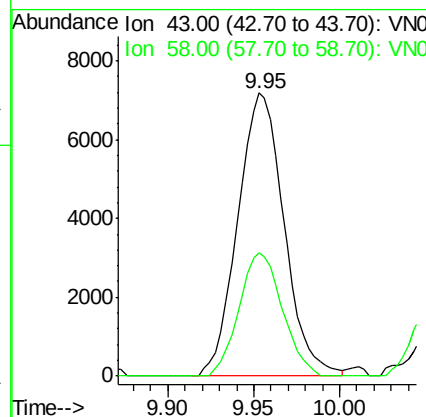
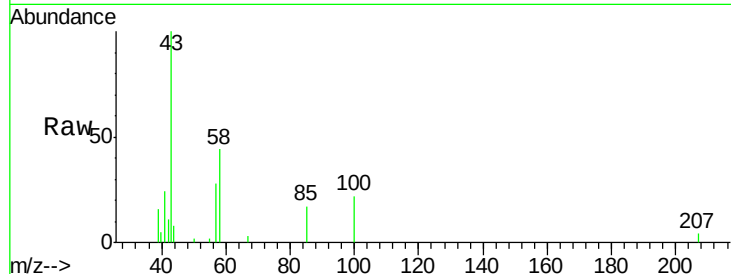
#51
 4-Methyl-2-Pentanone
 Concen: 3.362 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	43	Resp	13479
Ion Ratio	Lower	Upper	
43	100		
58	40.5	35.0	52.6

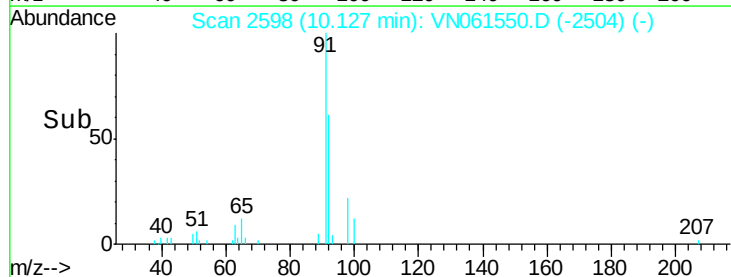
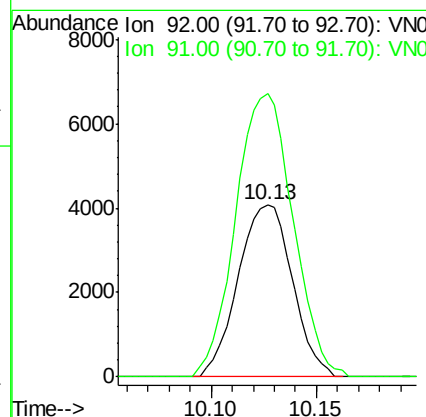
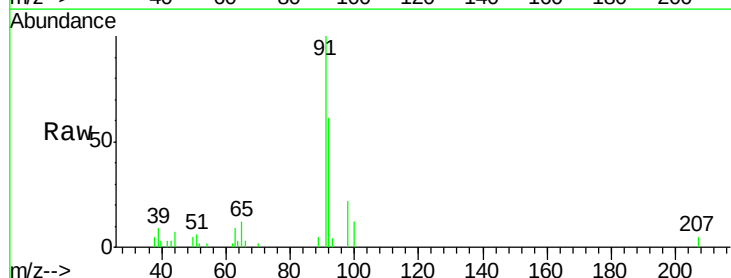
Manual Integrations
 APPROVED

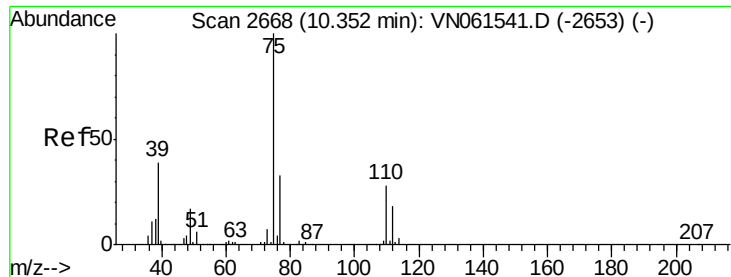
MMDadoda
 5/29/2020 5:50:29 PM



#52
 Toluene
 Concen: 0.736 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	92	Resp	7282
Ion Ratio	Lower	Upper	
92	100		
91	174.1	136.4	204.6





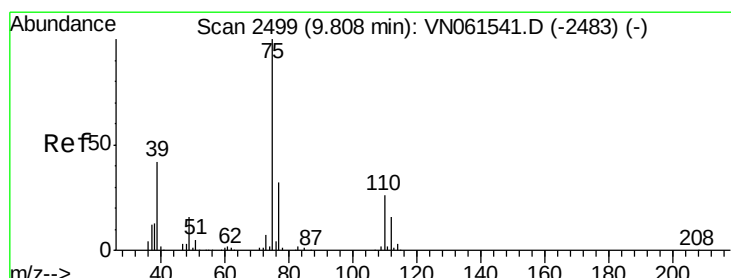
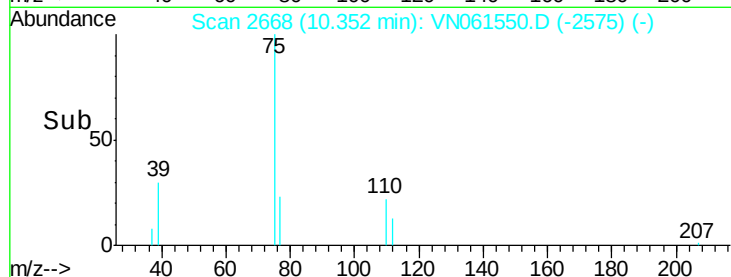
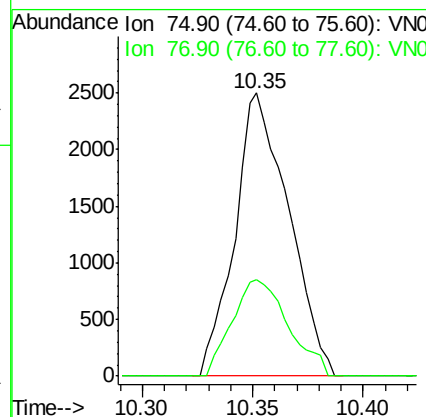
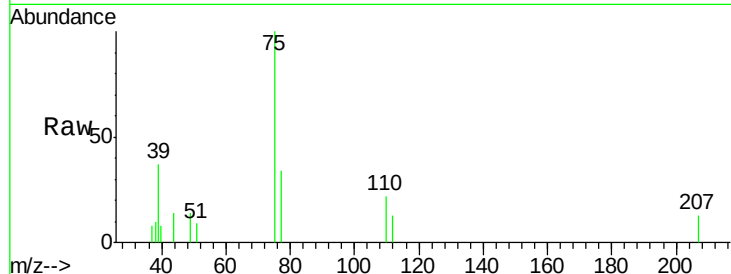
#53
t-1,3-Dichloropropene
Concen: 0.720 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 75 Resp: 4238
Ion Ratio Lower Upper
75 100
77 33.9 26.2 39.4

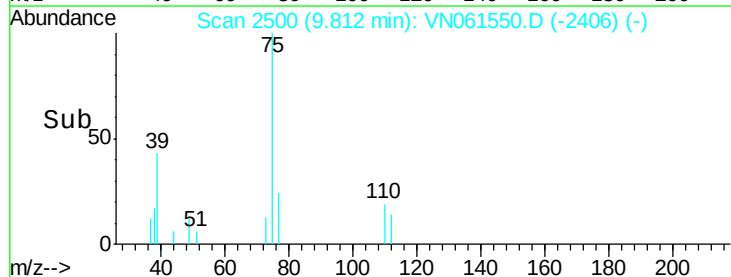
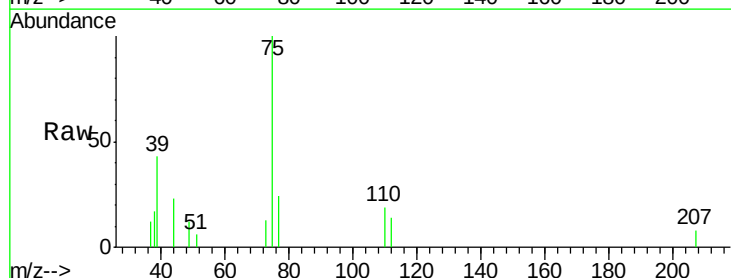
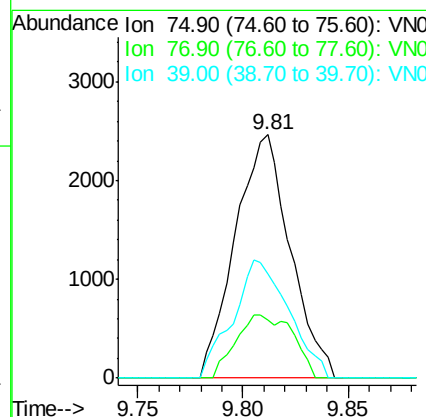
Manual Integrations
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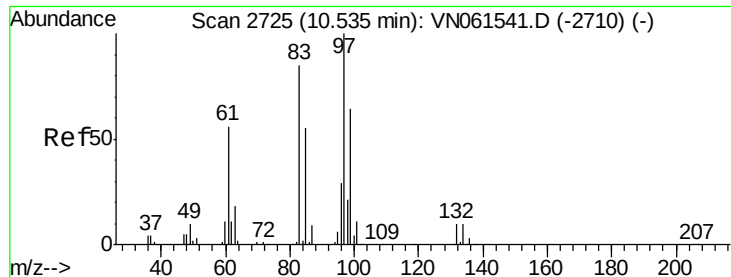
MMDadoda
5/29/2020 5:50:29 PM



#54
cis-1,3-Dichloropropene
Concen: 0.705 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion: 75 Resp: 4462
Ion Ratio Lower Upper
75 100
77 23.6 25.4 38.2#
39 42.9 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 0.725 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

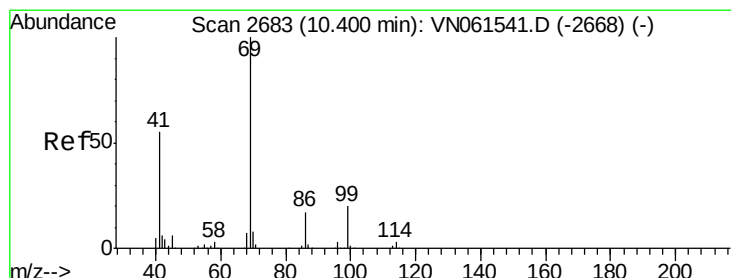
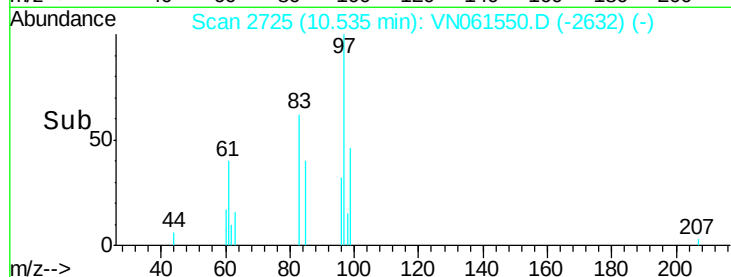
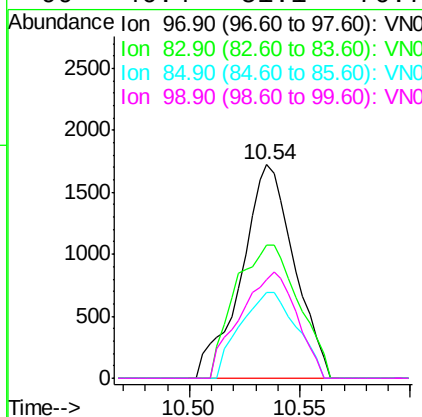
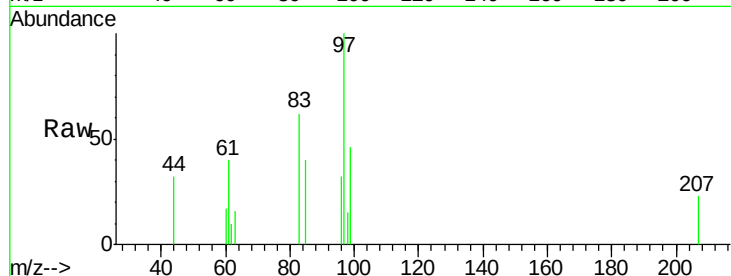
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	97	Resp:	2858
Ion	Ratio	Lower	Upper
97	100		
83	62.3	68.1	102.1#
85	40.4	44.1	66.1#
99	46.4	51.1	76.7#

Manual Integrations
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#56

Ethyl methacrylate

Concen: 0.610 ug/l

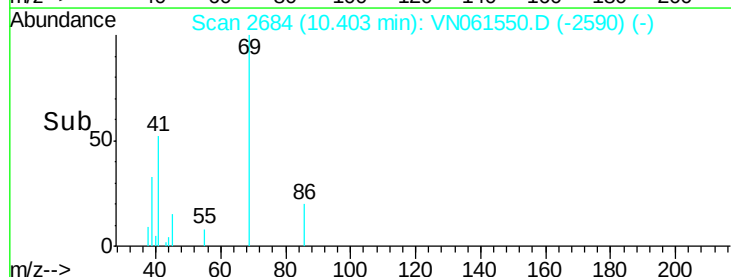
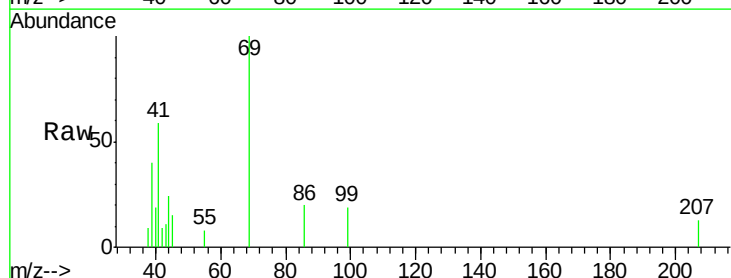
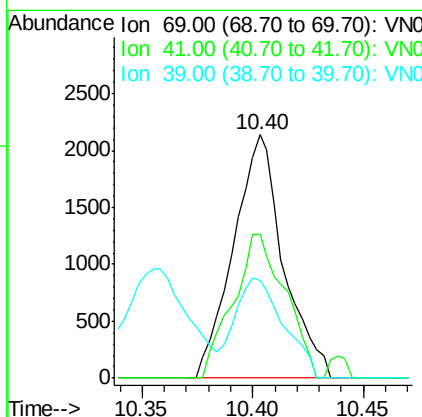
RT: 10.40 min Scan# 2684

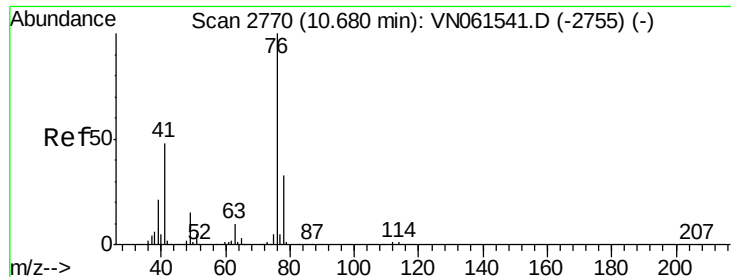
Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	69	Resp:	3359
Ion	Ratio	Lower	Upper
69	100		
41	61.7	43.5	65.3
39	40.5	27.0	40.6





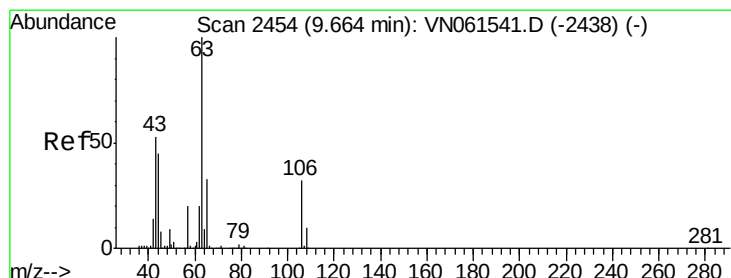
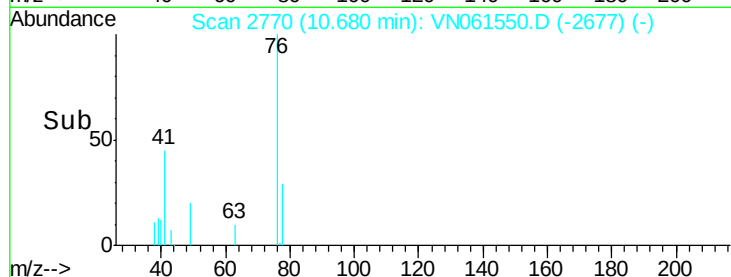
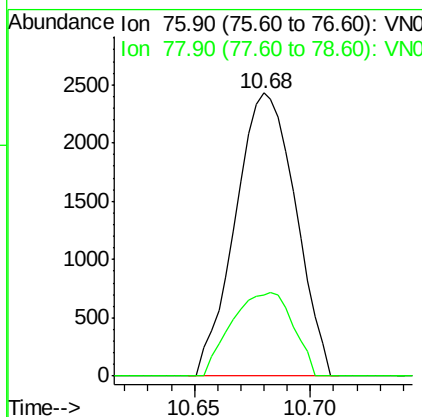
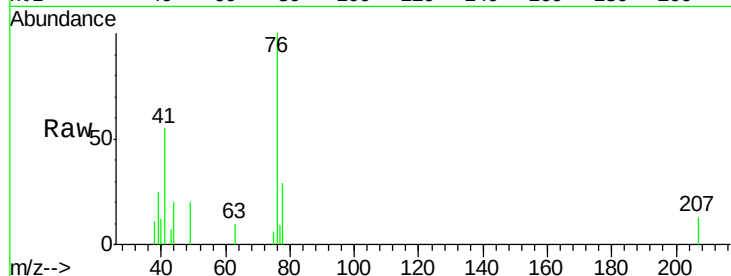
#57
 1,3-Dichloropropane
 Concen: 0.696 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.2	26.3	39.5

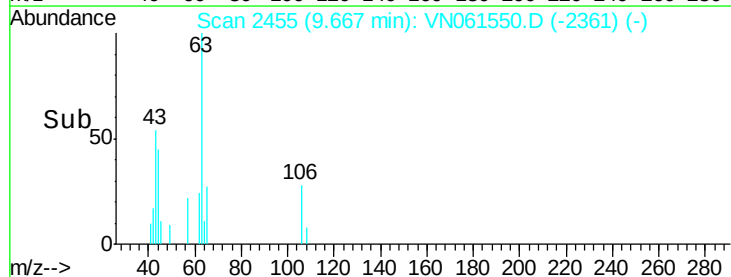
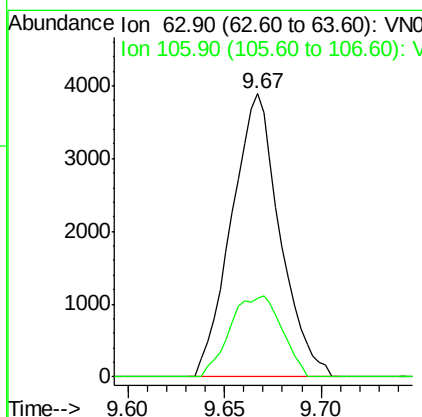
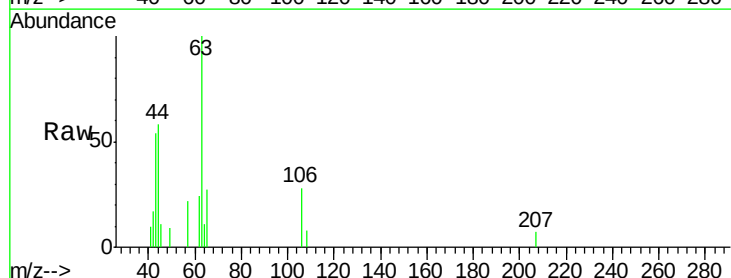
Manual Integrations
 APPROVED

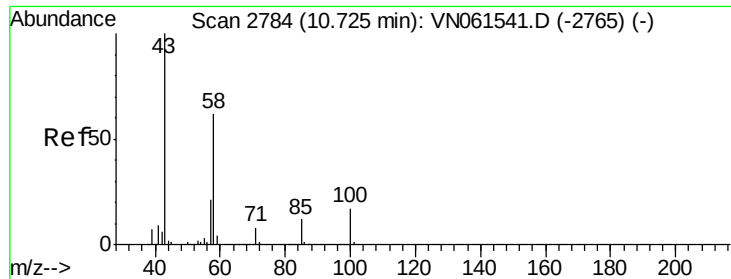
MMDadoda
 5/29/2020 5:50:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.873 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	25.9	38.9





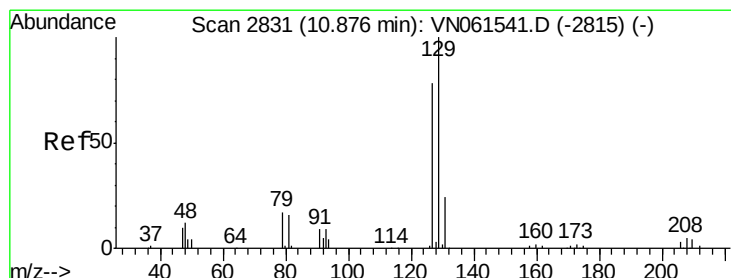
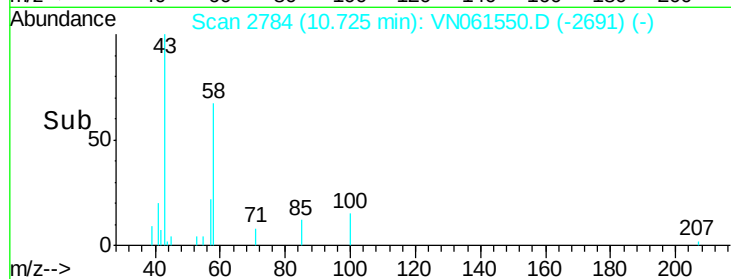
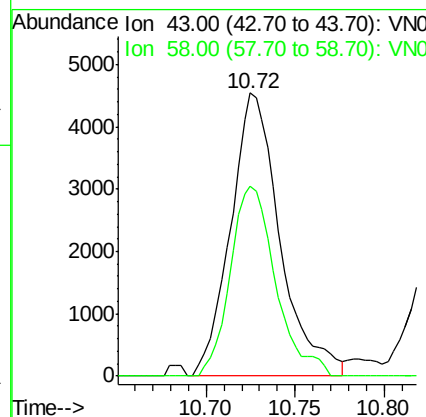
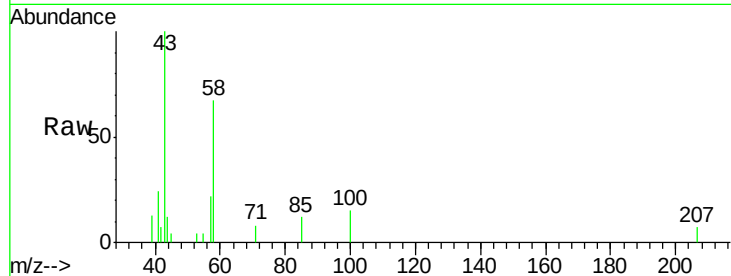
#59
2-Hexanone
Concen: 3.051 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 8786
Ion Ratio Lower Upper
43 100
58 61.4 30.7 92.1

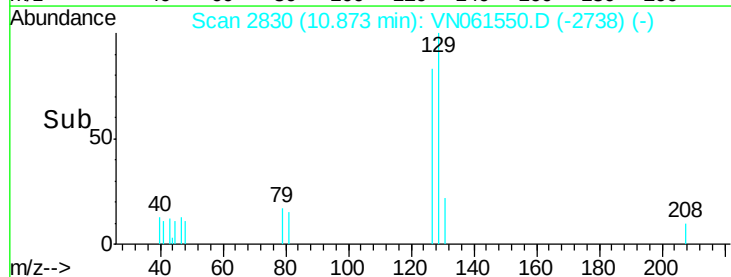
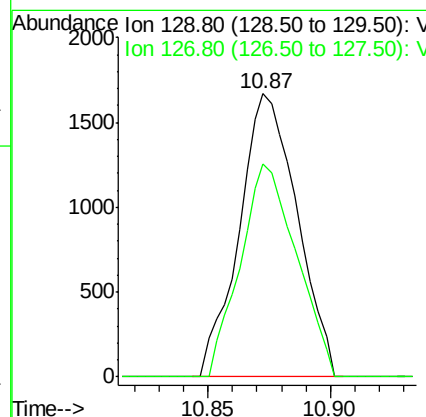
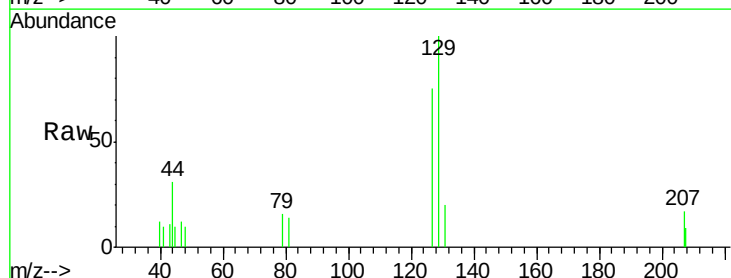
Manual Integrations
APPROVED

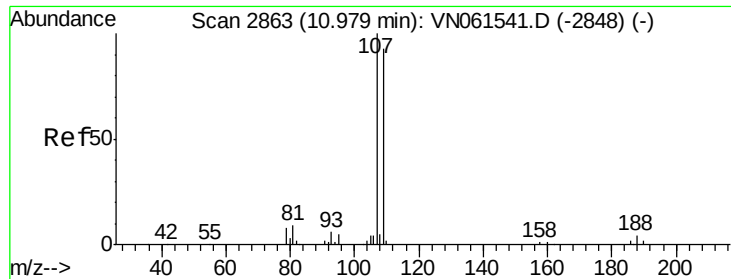
MMDadoda
5/29/2020 5:50:29 PM



#60
Dibromochloromethane
Concen: 0.612 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion: 129 Resp: 2743
Ion Ratio Lower Upper
129 100
127 73.0 38.8 116.3





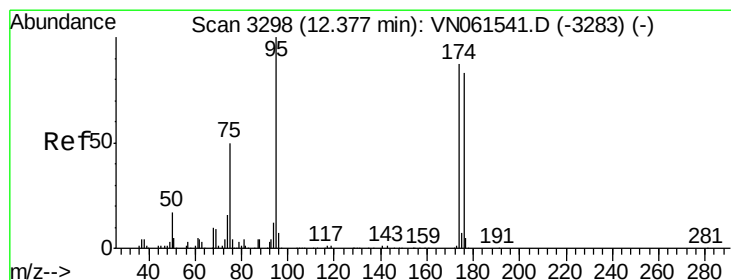
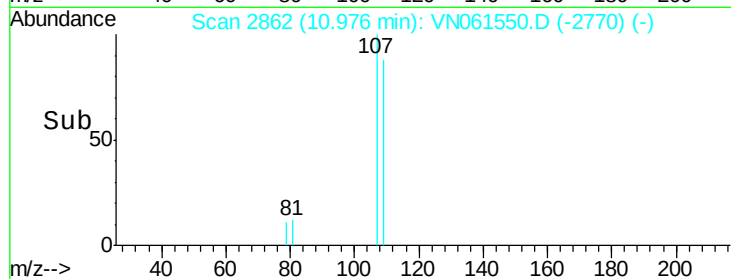
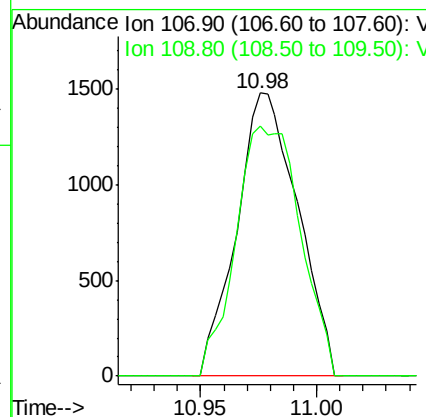
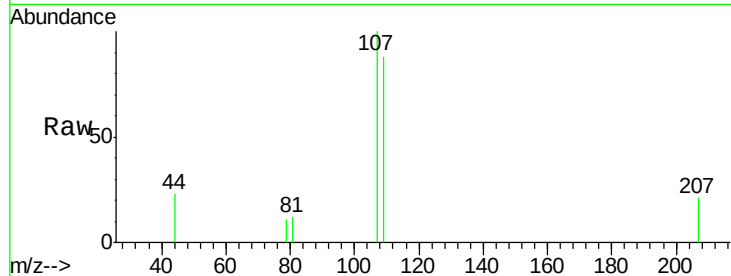
#61
 1,2-Dibromoethane
 Concen: 0.660 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.1	114.1

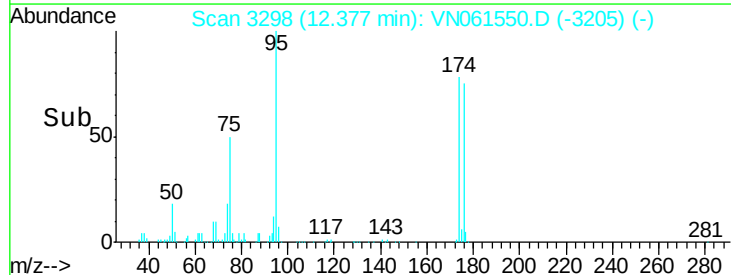
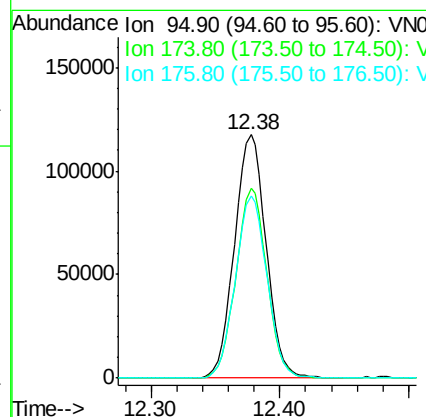
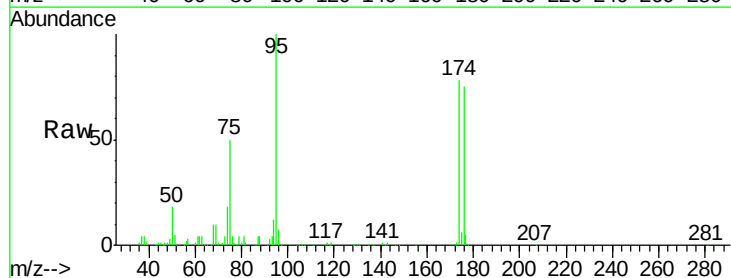
Manual Integrations
 APPROVED

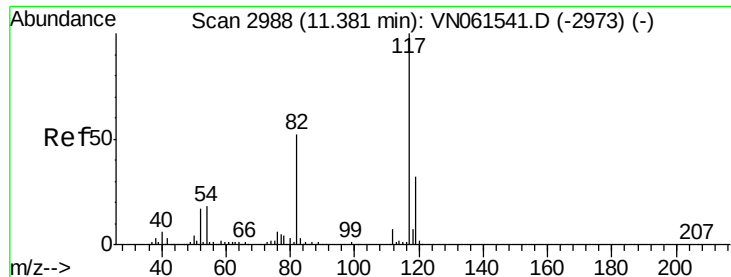
MMDadoda
 5/29/2020 5:50:29 PM



#62
 4-Bromofluorobenzene
 Concen: 42.128 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	172.8
176	74.7	0.0	164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

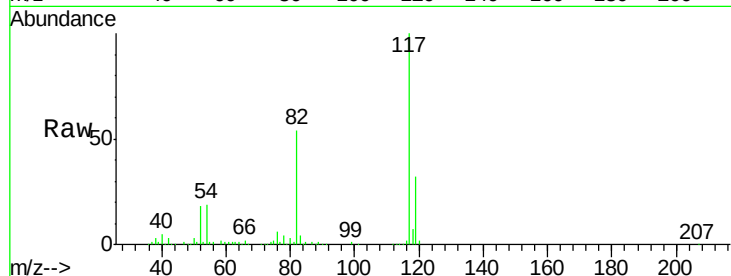
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	117	Resp:	498257
Ion Ratio	Lower	Upper	
117	100		
82	54.3	41.5	62.3
119	32.0	25.6	38.4

Manual Integrations
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MMDadoda
5/29/2020 5:50:29 PM

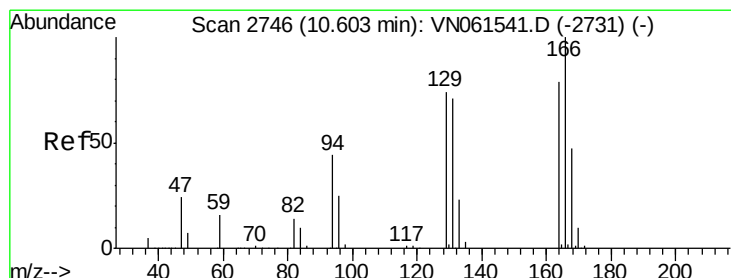
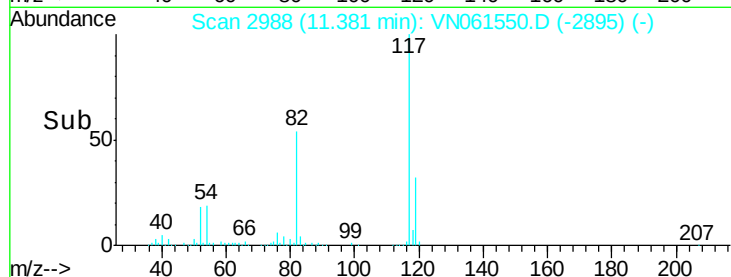
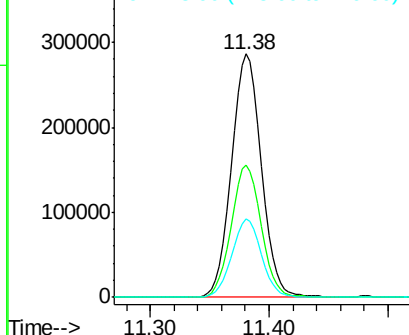


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.758 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	164	Resp:	3554
Ion Ratio	Lower	Upper	
164	100		
166	110.0	101.5	152.3
129	80.3	74.9	112.3
131	81.7	72.2	108.2

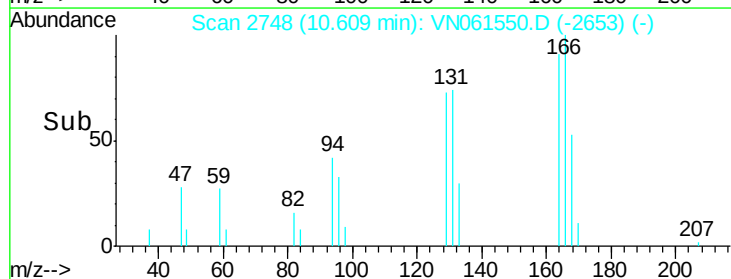
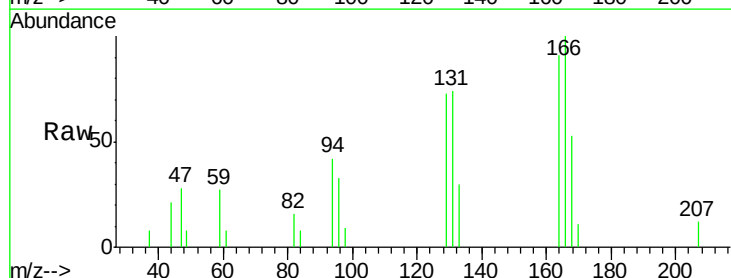
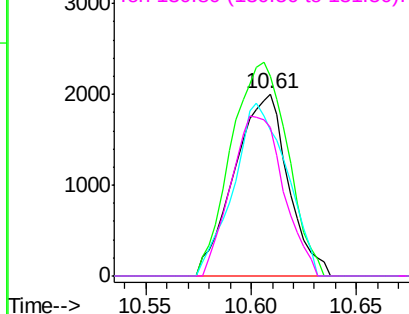
Abundance

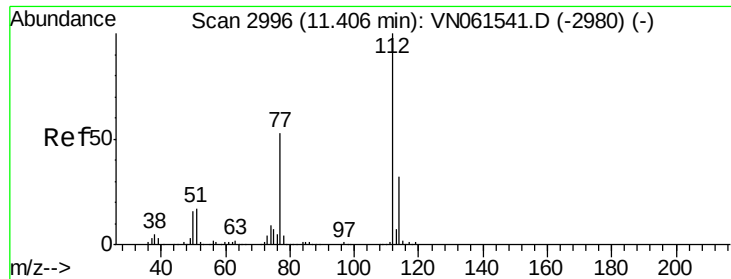
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





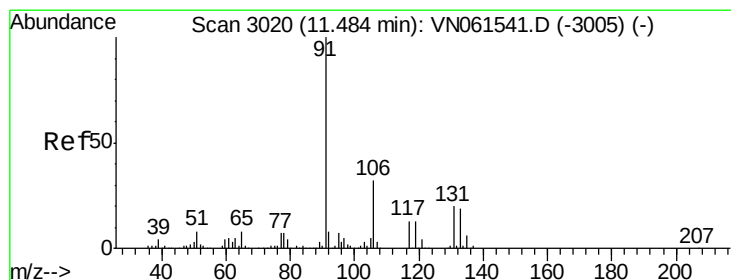
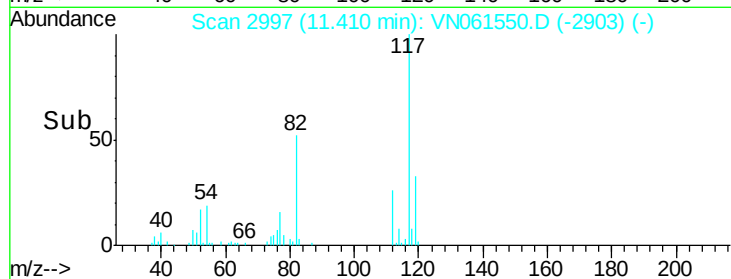
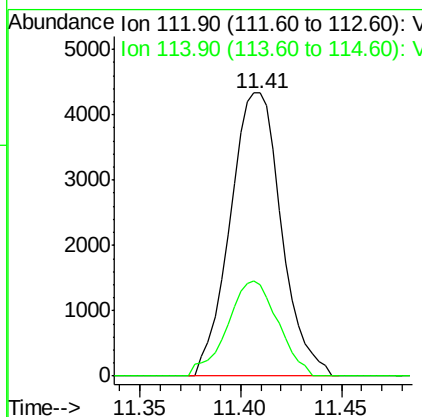
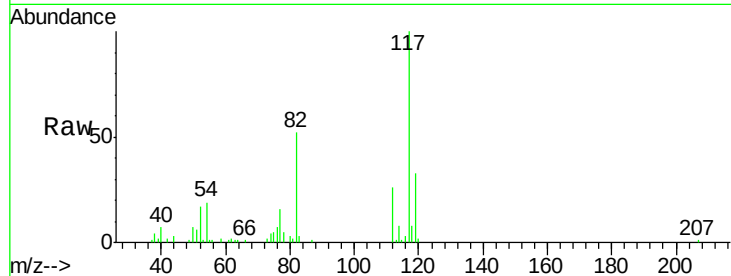
#65
Chlorobenzene
Concen: 0.744 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:112 Resp: 7704
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

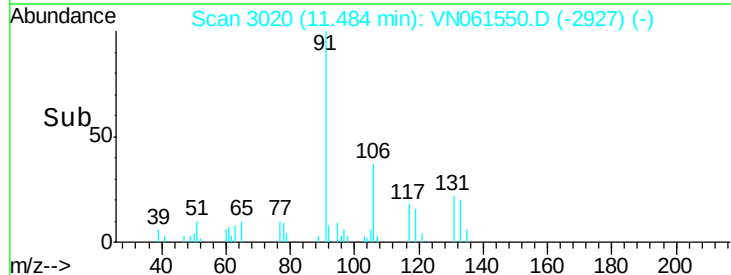
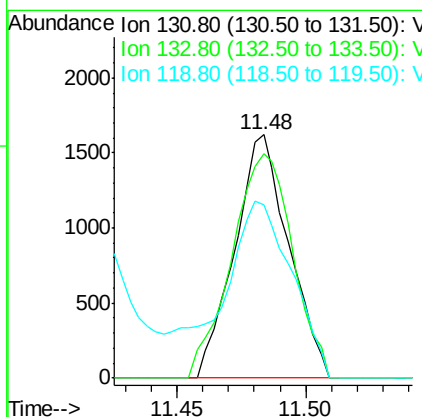
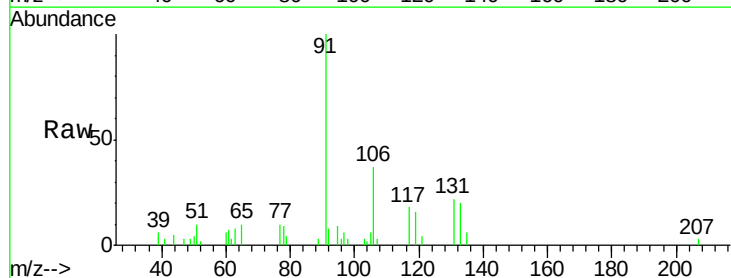
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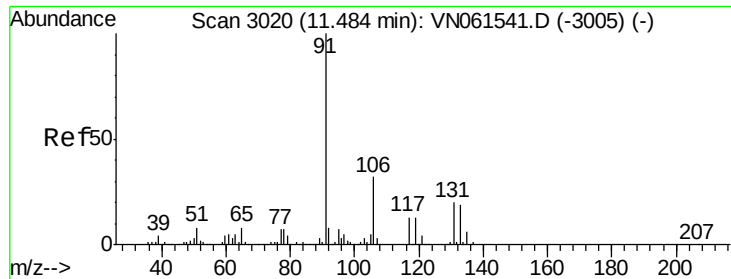
MMDadoda
5/29/2020 5:50:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.614 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion:131 Resp: 2368
Ion Ratio Lower Upper
131 100
133 103.9 47.4 142.2
119 0.0 32.6 97.8#





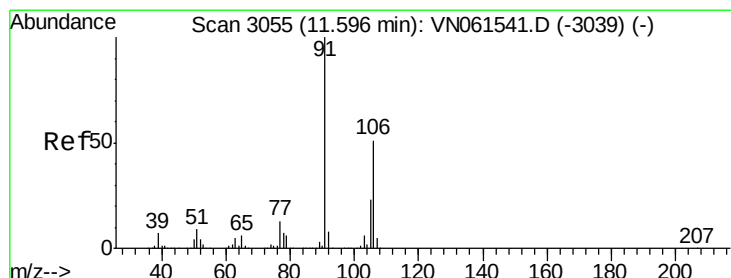
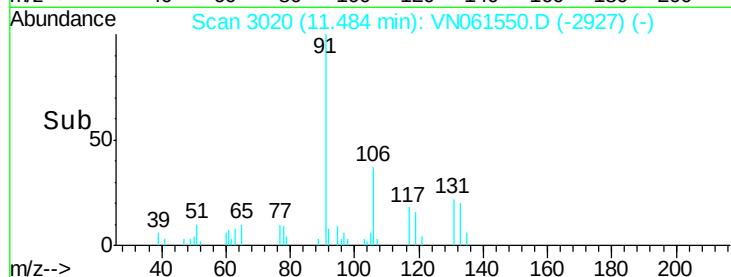
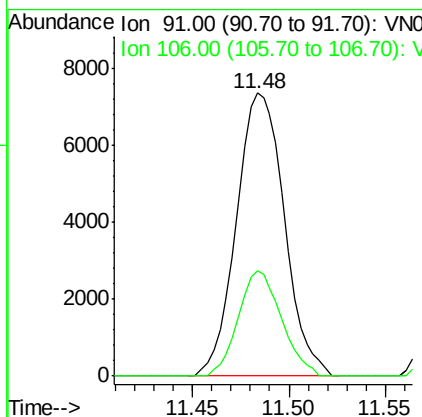
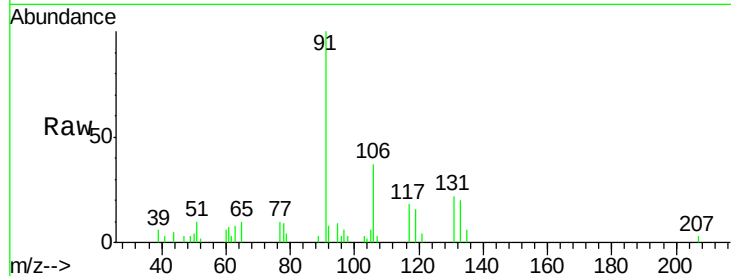
#67
Ethyl Benzene
Concen: 0.710 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 91 Resp: 12715
Ion Ratio Lower Upper
91 100
106 37.3 25.6 38.4

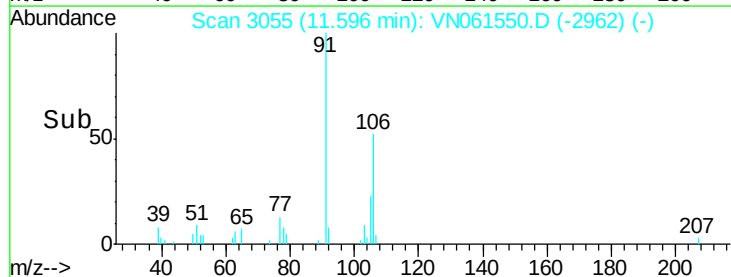
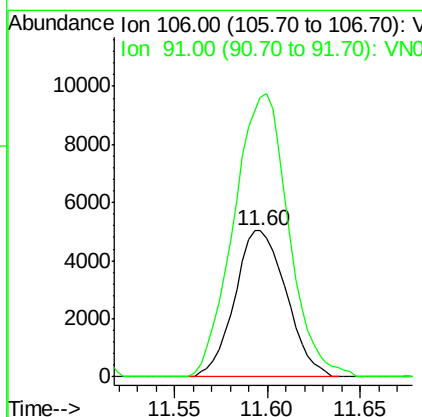
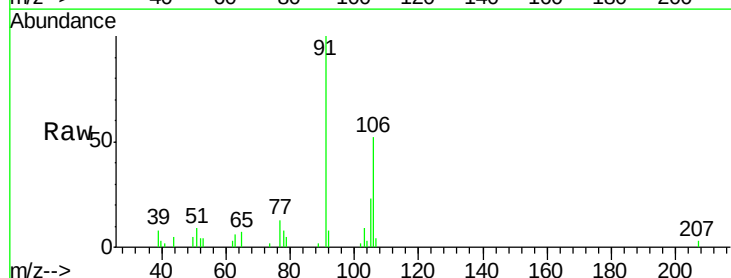
Manual Integrations
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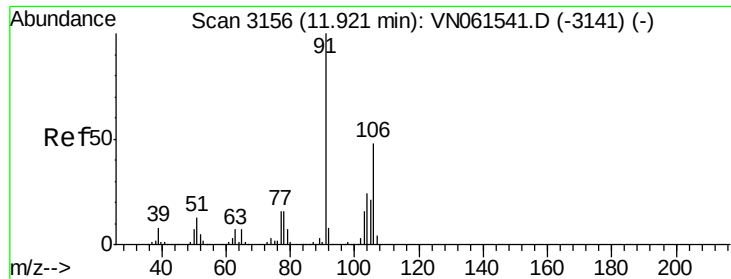
MMDadoda
5/29/2020 5:50:29 PM



#68
m/p-Xylenes
Concen: 1.366 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion: 106 Resp: 9697
Ion Ratio Lower Upper
106 100
91 206.3 156.2 234.4





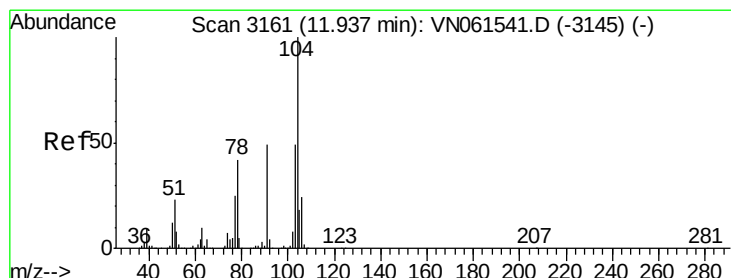
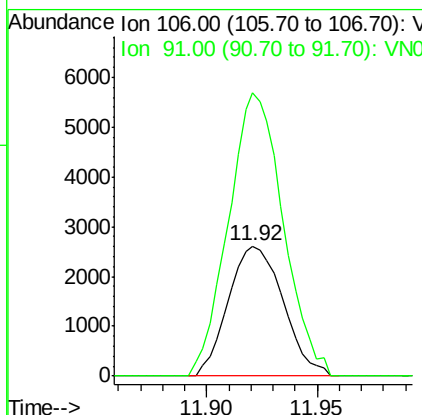
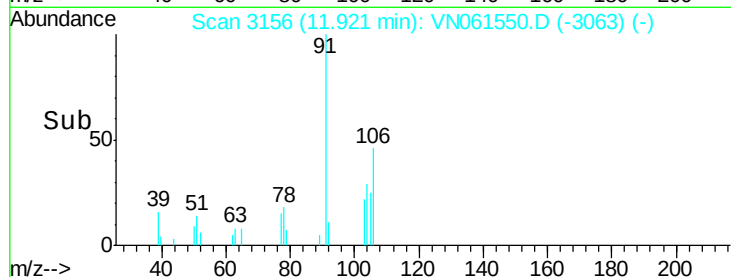
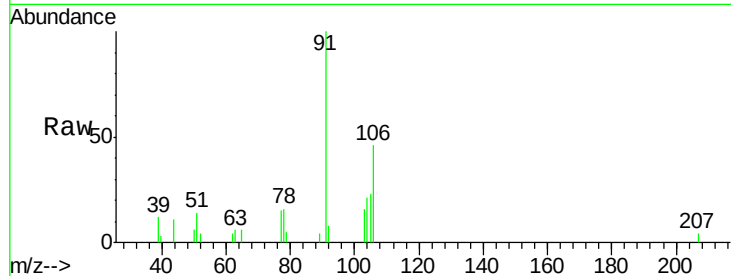
#69
o-Xylene
Concen: 0.667 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		4499		
91	216.9	103.3	309.8		

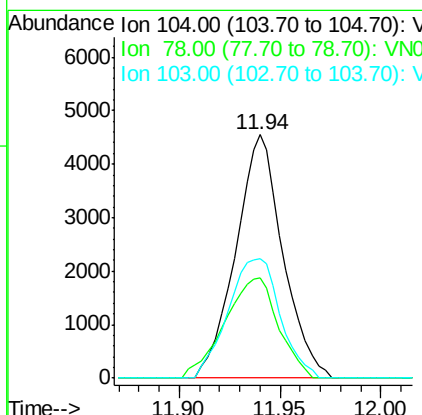
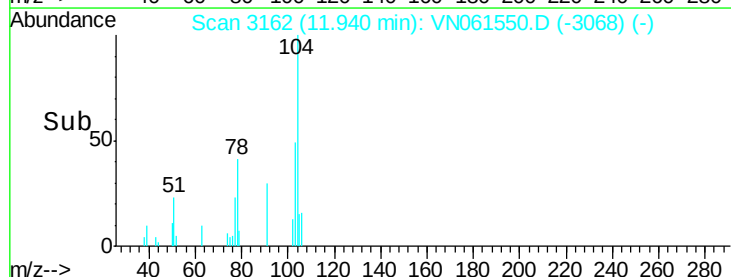
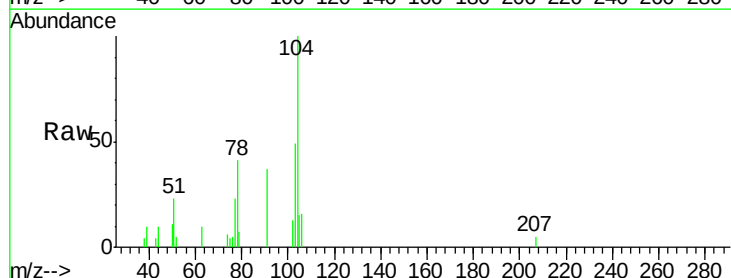
Manual Integrations
APPROVED

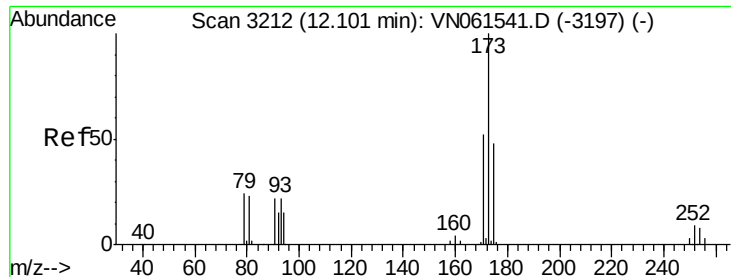
MMDadoda
5/29/2020 5:50:29 PM



#70
Styrene
Concen: 0.664 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		7417		
78	46.9	37.4	56.0		
103	54.2	42.3	63.5		





#71

Bromoform

Concen: 0.536 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

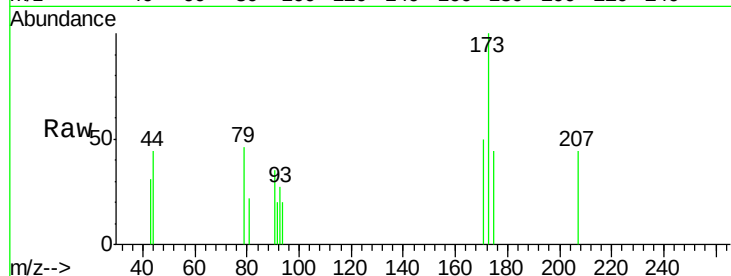
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

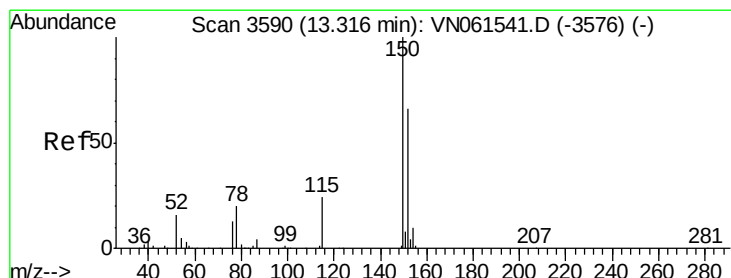
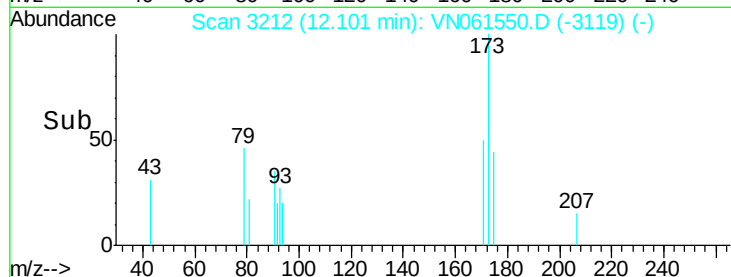
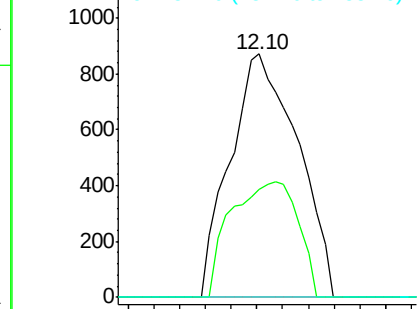
Tot Ion:	173	Resp:	1593
Ion Ratio	Lower	Upper	
173	100		
175	47.1	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

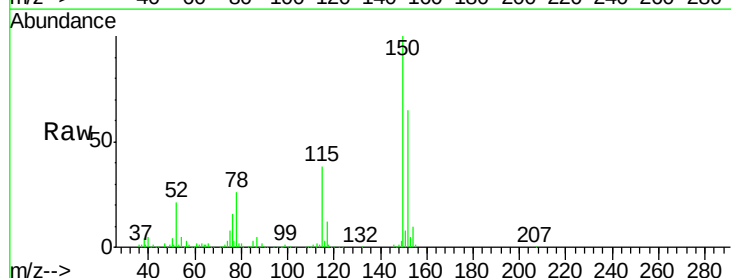
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

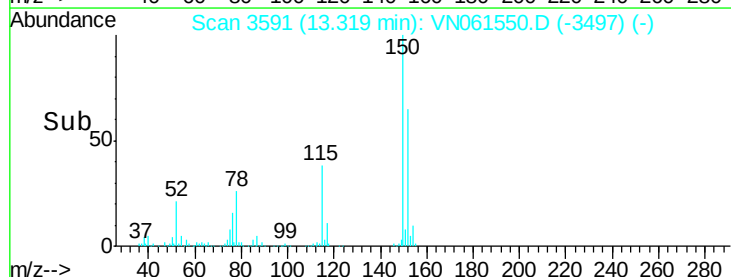
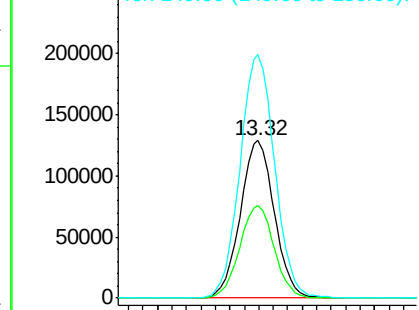
Lab File: VN061550.D

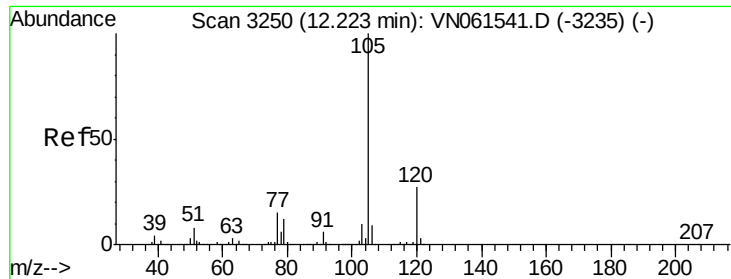
Acq: 28 May 2020 23:36

Tgt Ion:	152	Resp:	209976
Ion Ratio	Lower	Upper	
152	100		
115	59.6	28.0	84.0
150	157.4	0.0	344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.807 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 12373

Ion Ratio Lower Upper

105 100

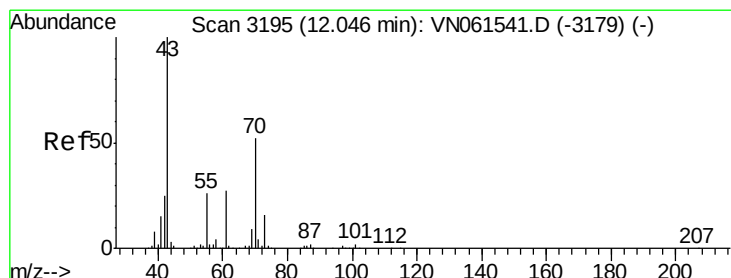
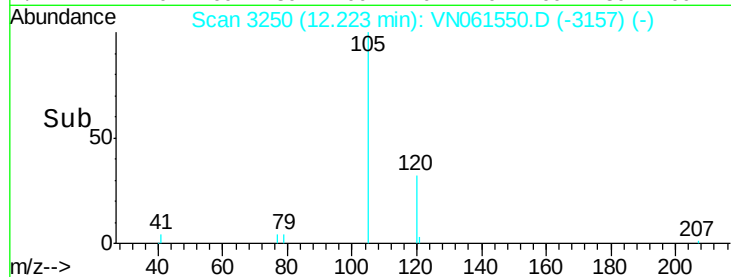
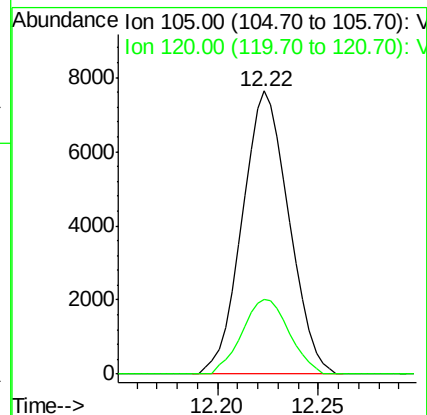
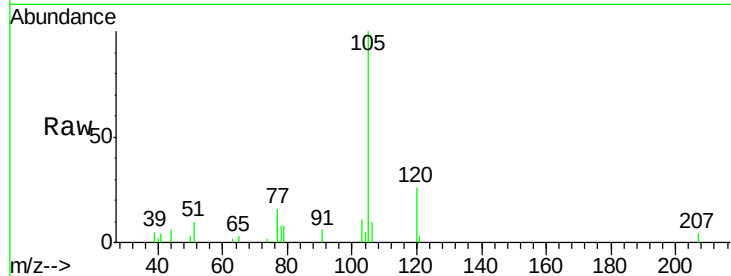
120 26.7 13.8 41.3

Manual Integrations

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5/29/2020 5:50:29 PM



#74

N-ethyl acetate

Concen: 0.748 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion: 43 Resp: 3611

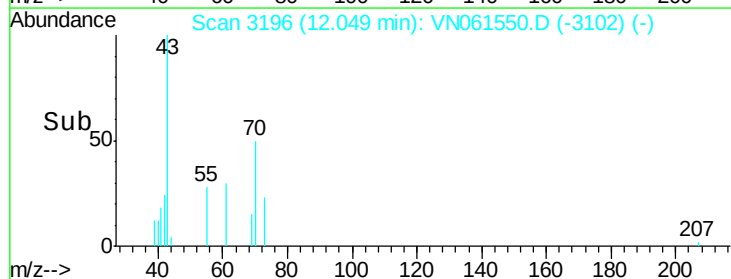
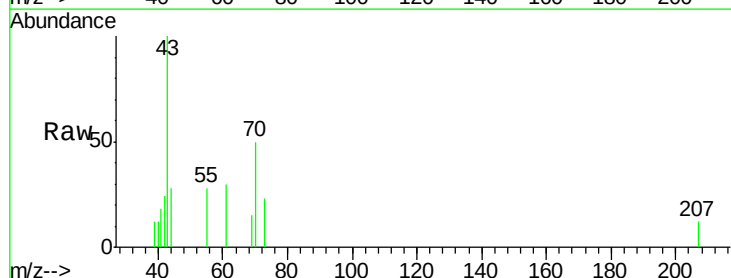
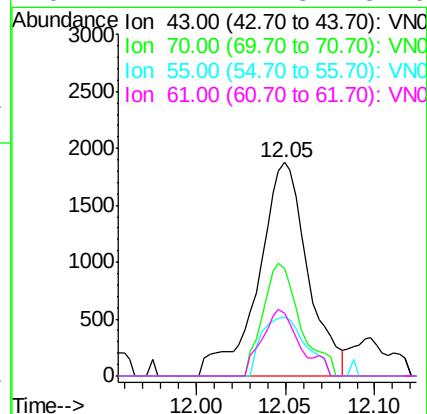
Ion Ratio Lower Upper

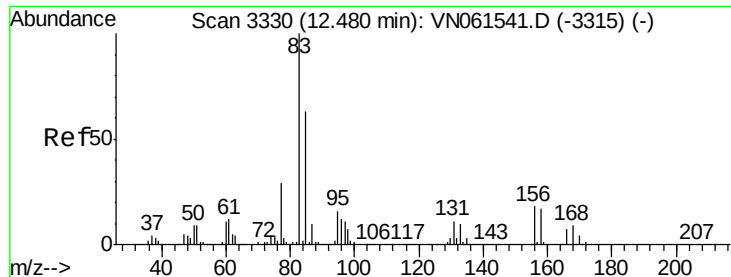
43 100

70 40.5 40.5 60.7#

55 24.7 20.6 31.0

61 24.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.818 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

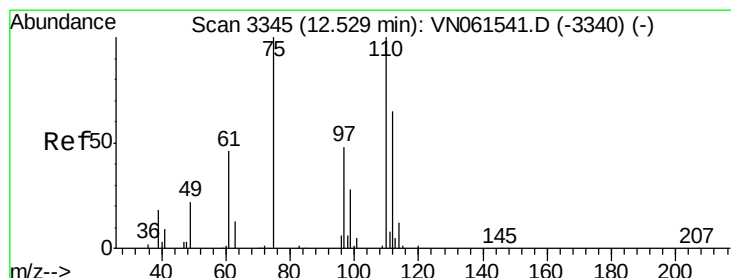
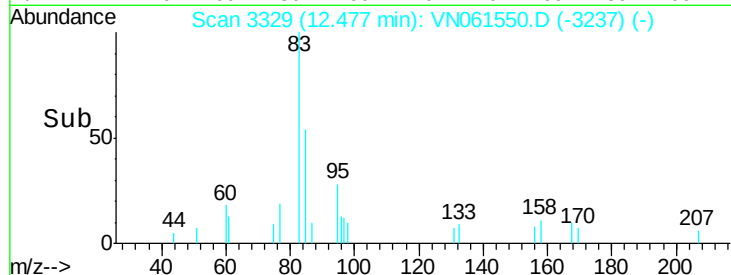
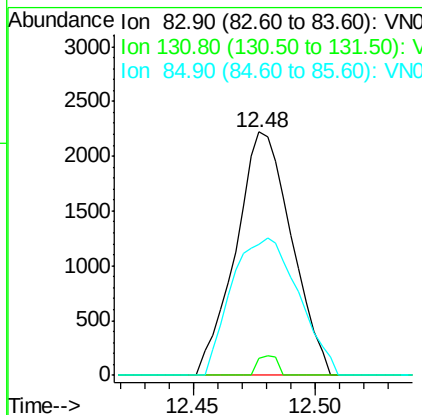
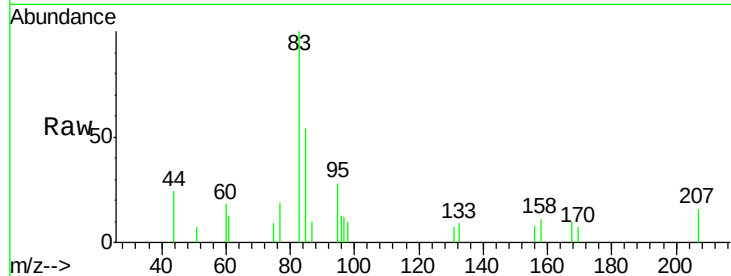
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	2.8	5.5	16.5#
85	68.1	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 0.851 ug/l m

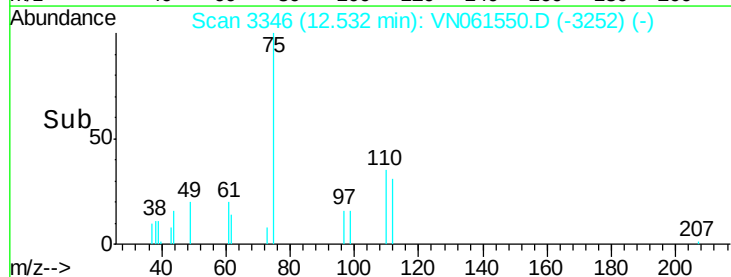
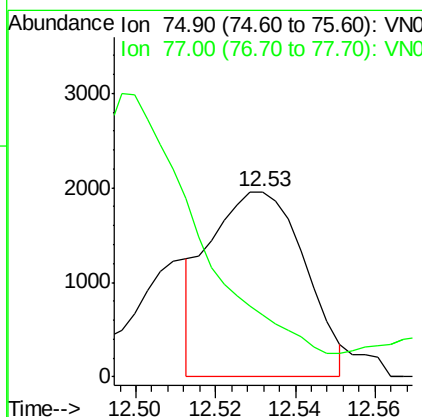
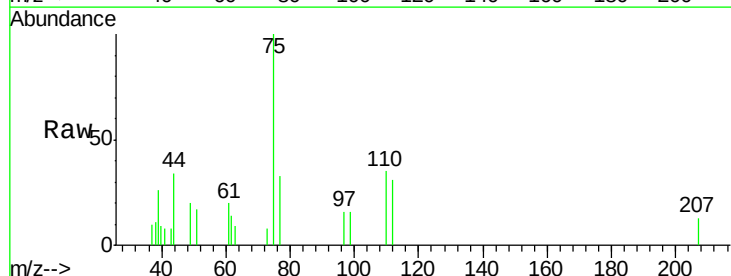
RT: 12.53 min Scan# 3346

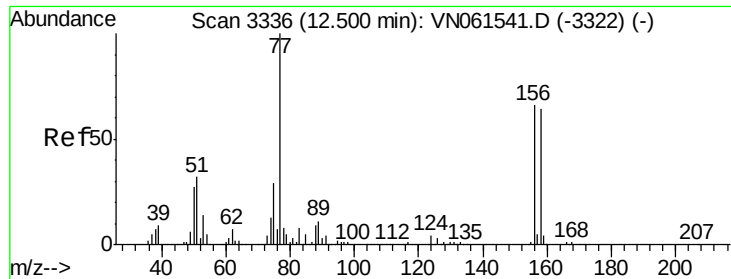
Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.844 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

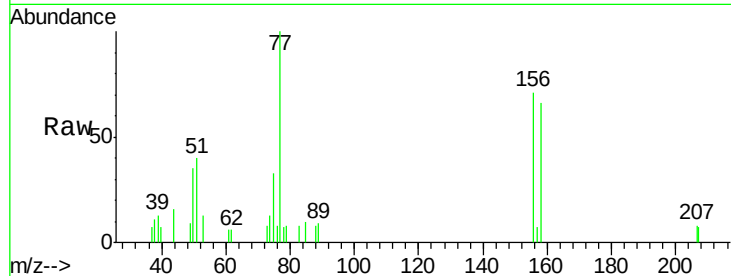
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	156	Resp:	3302
Ion Ratio	Lower	Upper	
156	100		
77	186.5	90.9	272.7
158	91.8	48.4	145.3

Manual Integrations
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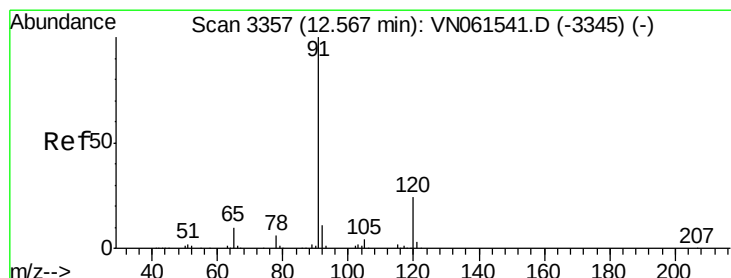
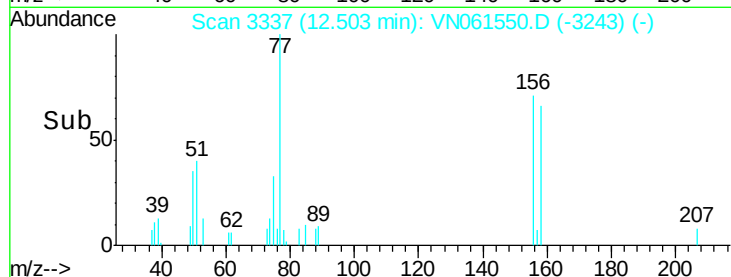
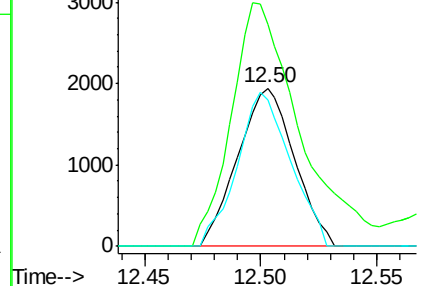
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.806 ug/l

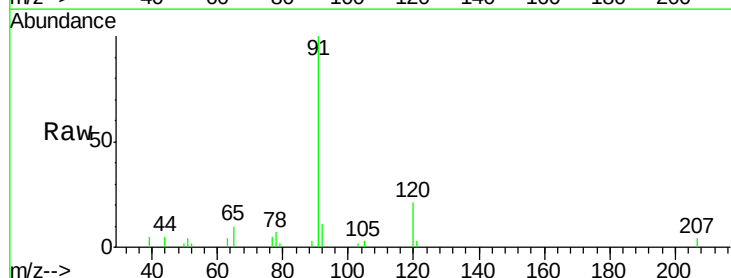
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061550.D

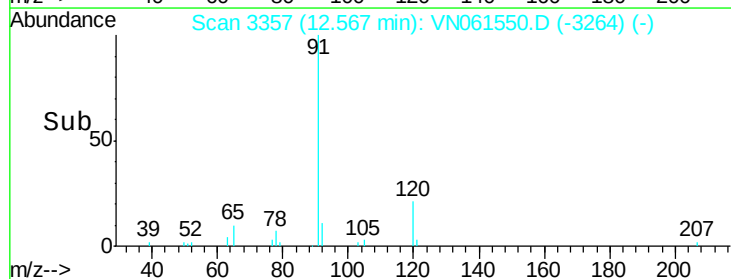
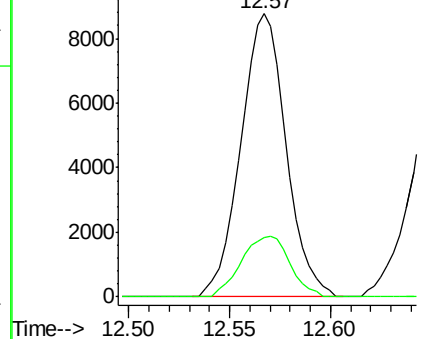
Acq: 28 May 2020 23:36

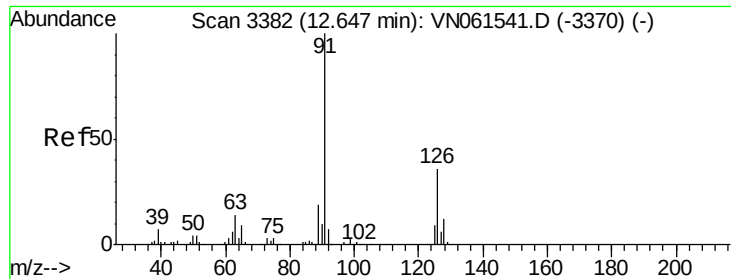
Tgt Ion:	91	Resp:	13787
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.858 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 91 Resp: 8758

Ion Ratio Lower Upper

91 100

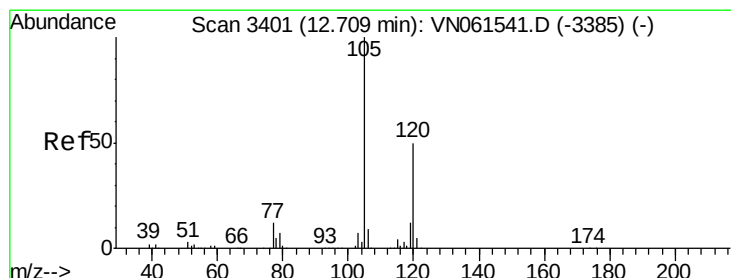
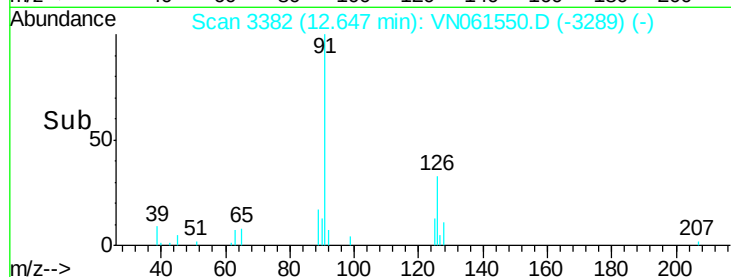
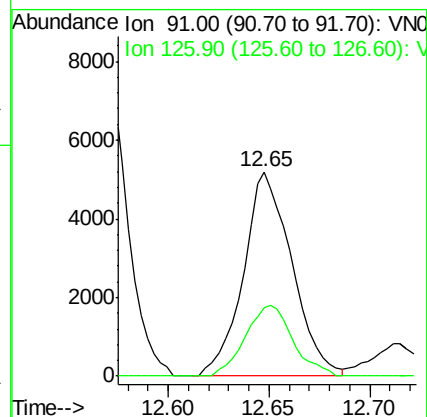
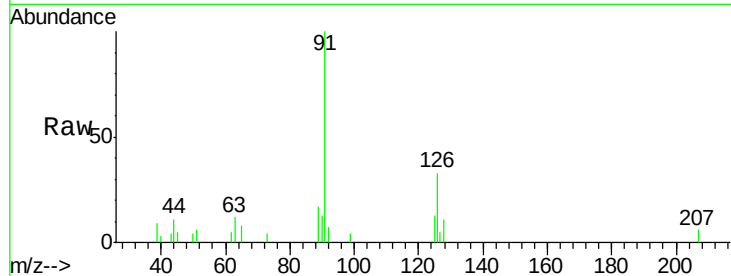
126 33.8 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 0.766 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061550.D

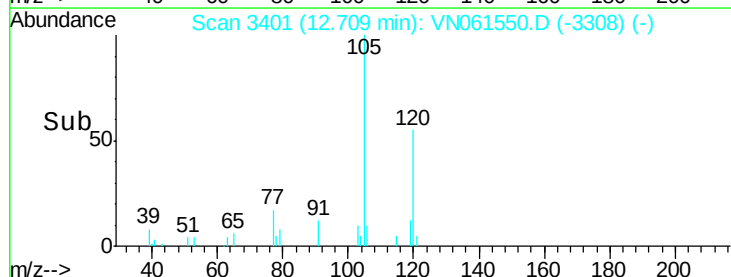
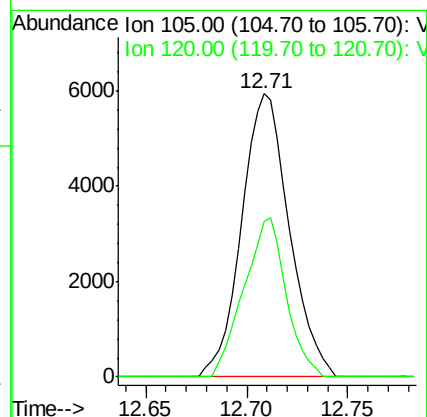
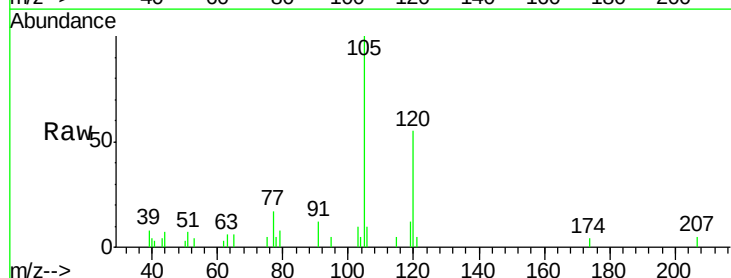
Acq: 28 May 2020 23:36

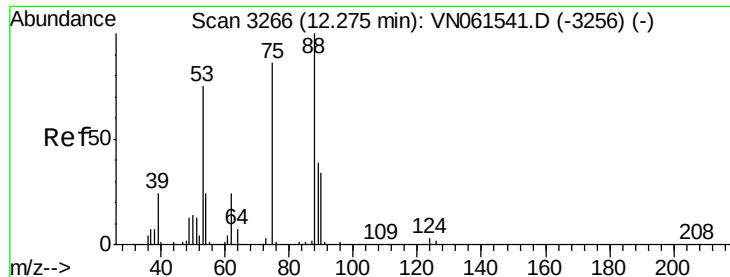
Tgt Ion: 105 Resp: 9813

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 0.516 ug/l m

RT: 12.28 min Scan# 3268

Delta R.T. 0.01 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

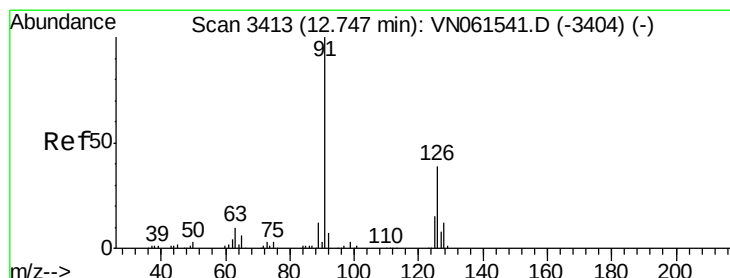
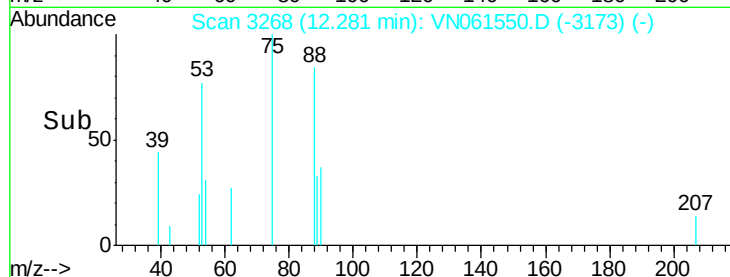
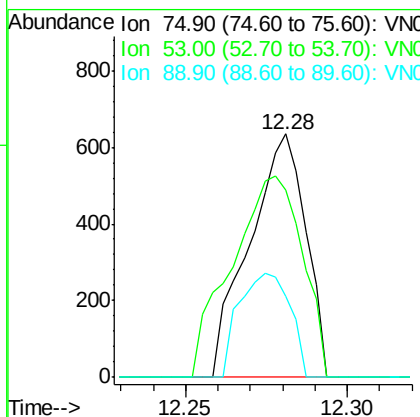
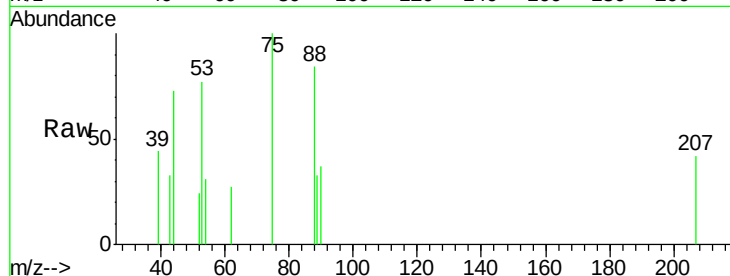
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	75	Resp:	770
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.8	101.8#
89	0.0	37.1	55.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.876 ug/l

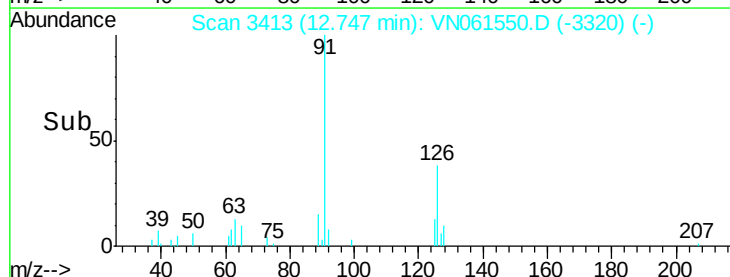
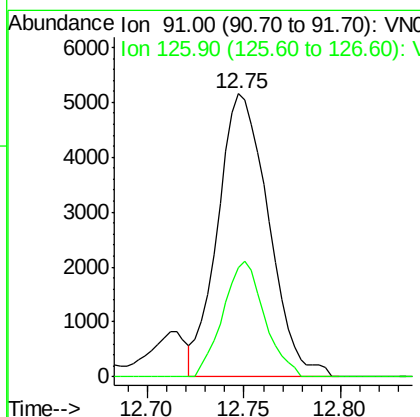
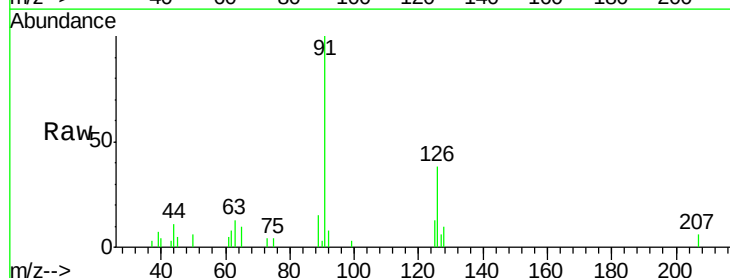
RT: 12.75 min Scan# 3413

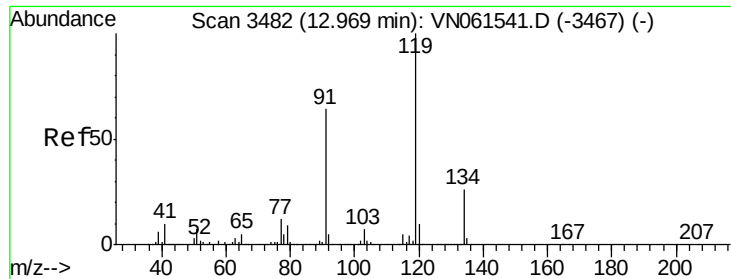
Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion:	91	Resp:	9403
Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.5	52.6





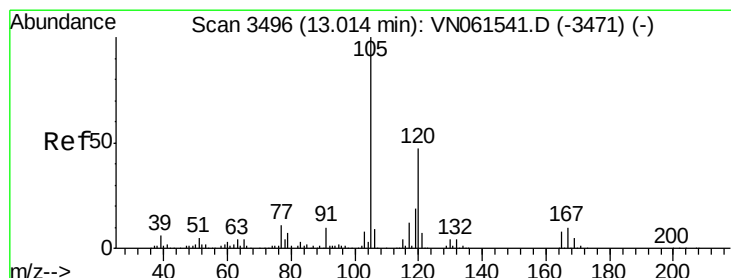
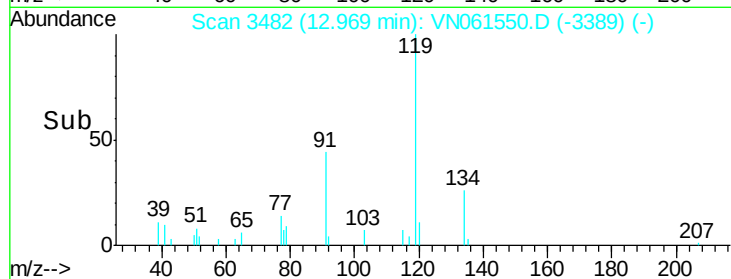
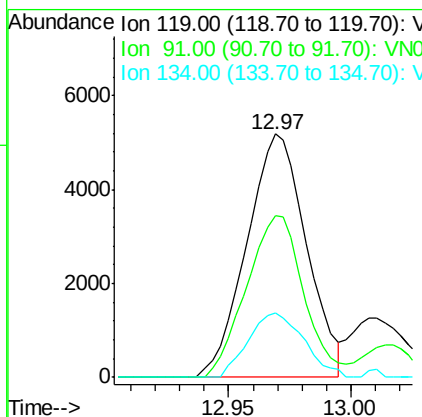
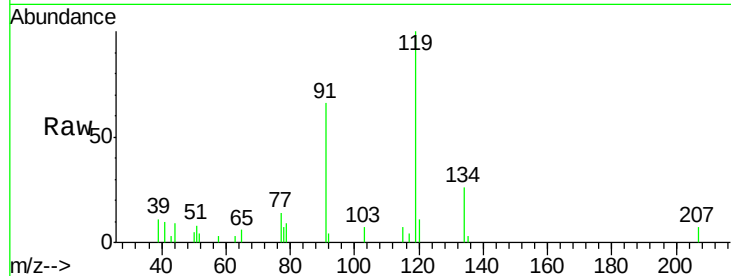
#83
 tert-Butylbenzene
 Concen: 0.775 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8768		
91	63.9		31.3	93.8
134	24.6		13.5	40.4

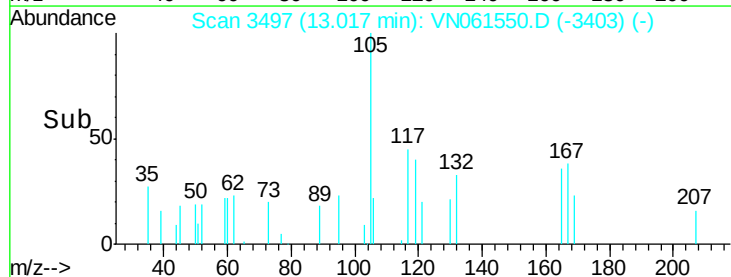
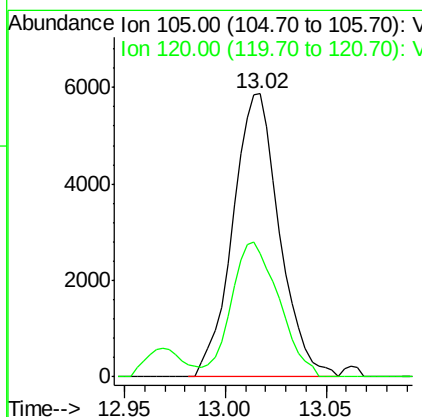
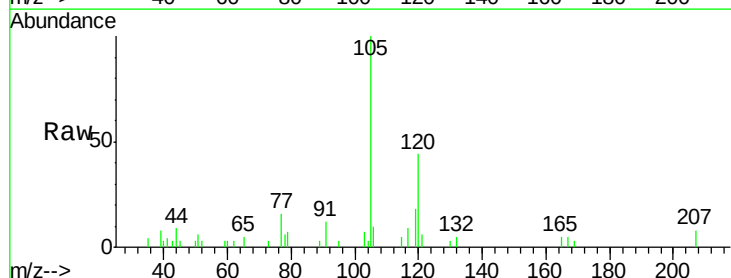
Manual Integrations
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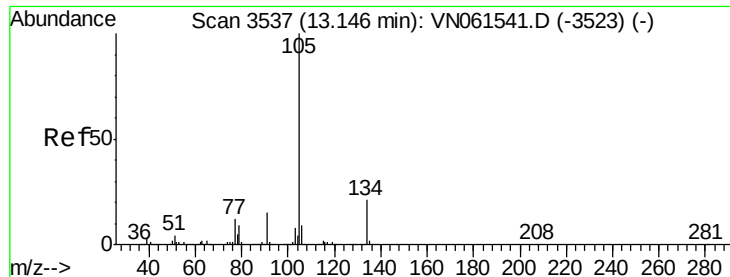
MMDadoda
 5/29/2020 5:50:29 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.748 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	9519		
120	48.5		23.2	69.5





#85

sec-Butylbenzene

Concen: 0.750 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 10935

Ion Ratio Lower Upper

105 100

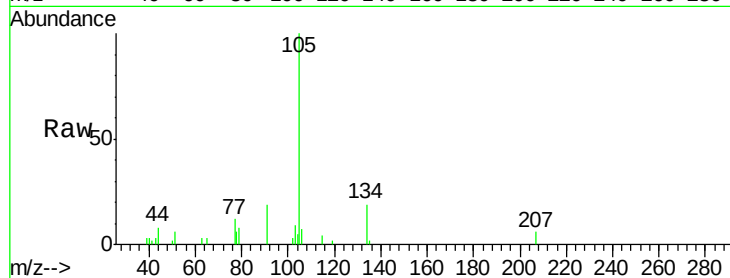
134 18.2 10.7 31.9

Manual Integrations

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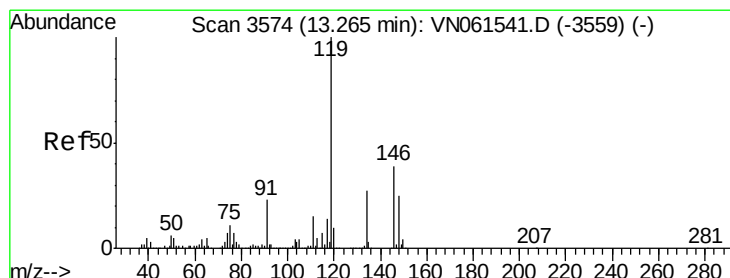
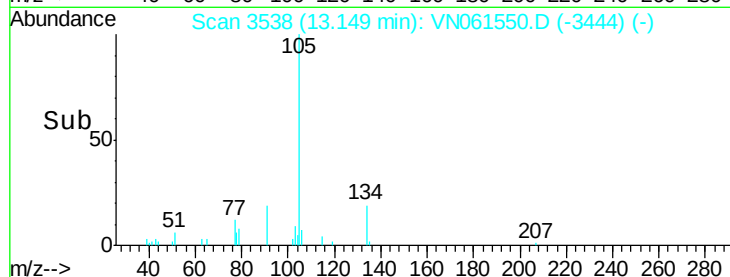
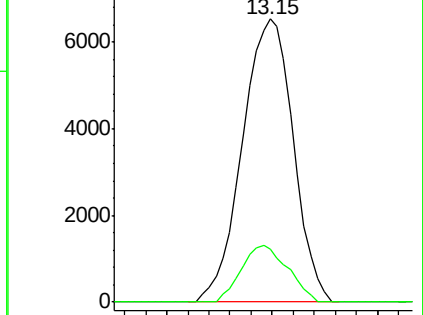
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.737 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

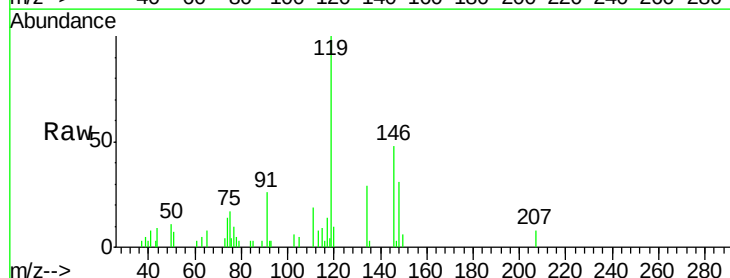
Tgt Ion:119 Resp: 9903

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.5

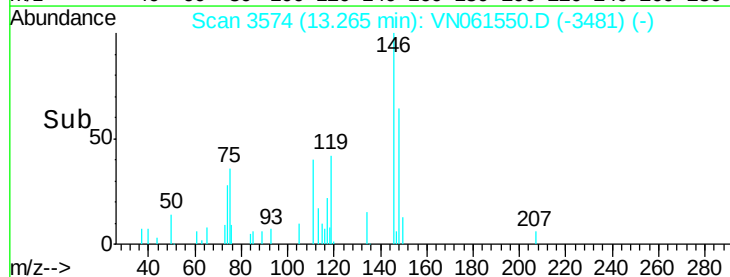
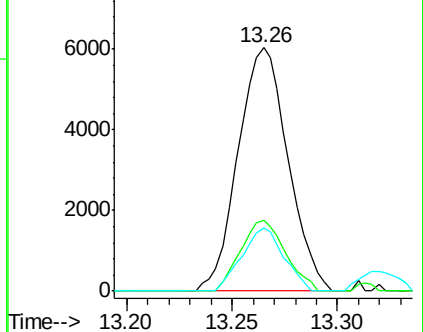
91 22.0 11.4 34.1

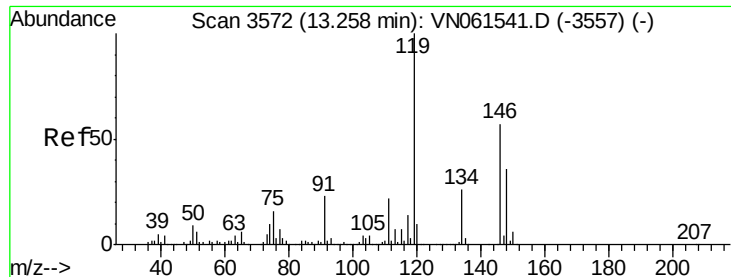


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.791 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

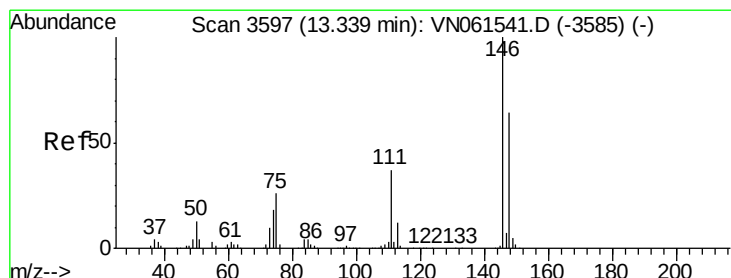
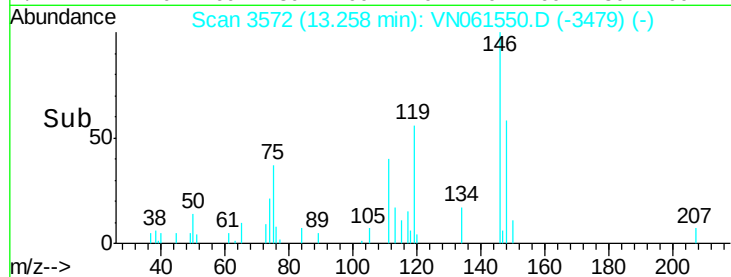
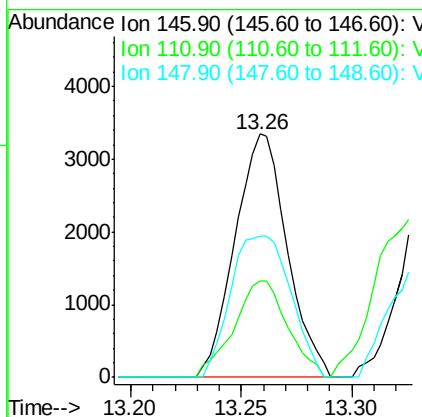
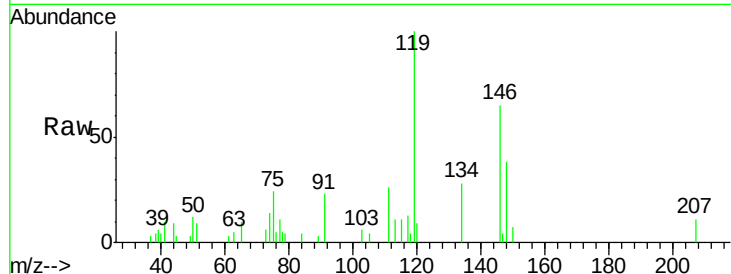
Instrument :
MSVOA_N

ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.2	57.6
148	67.1	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 0.861 ug/l m

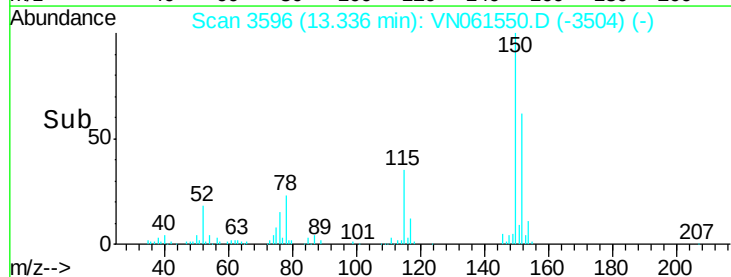
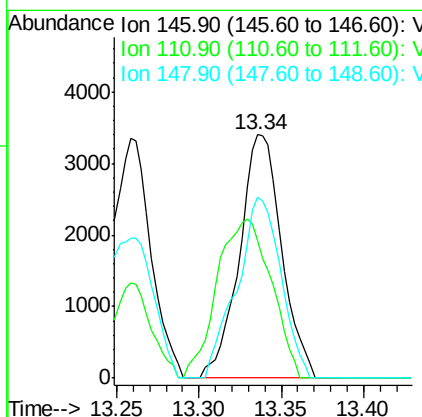
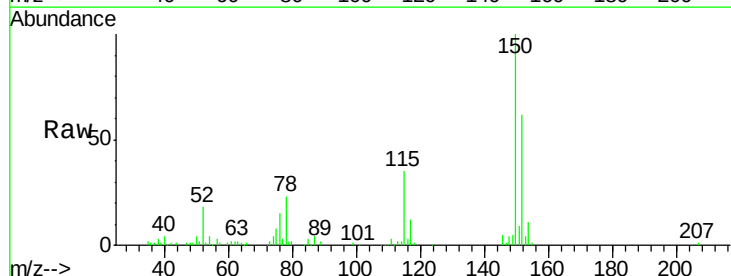
RT: 13.34 min Scan# 3596

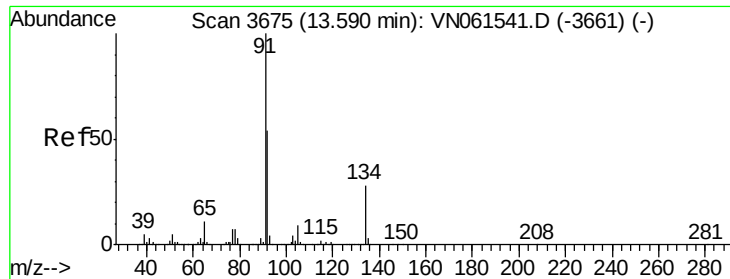
Delta R.T. -0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	60.5	31.8	95.3





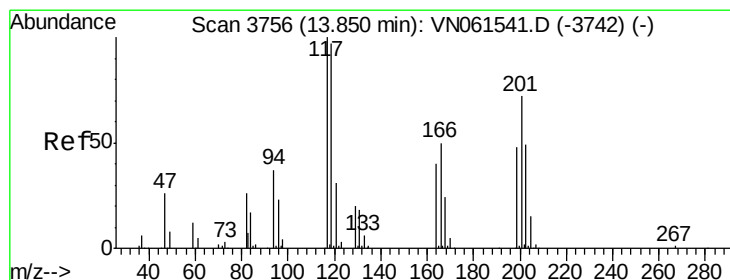
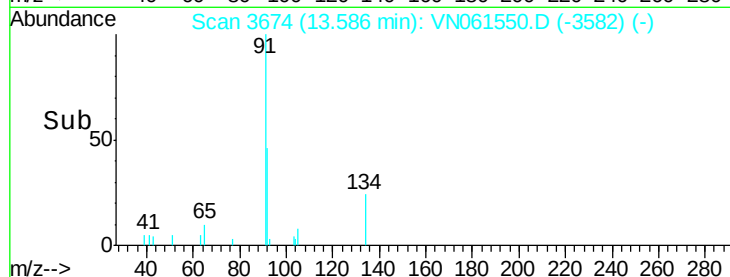
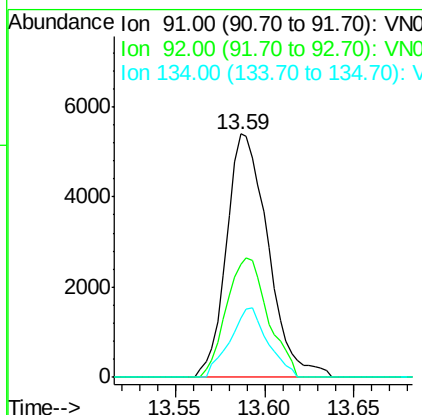
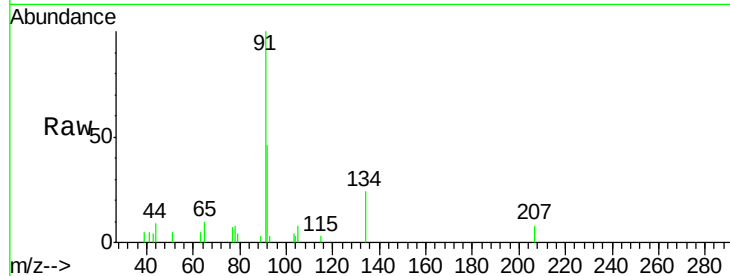
#89
n-Butylbenzene
Concen: 0.779 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.8	27.2	81.6
134	25.8	14.0	42.0

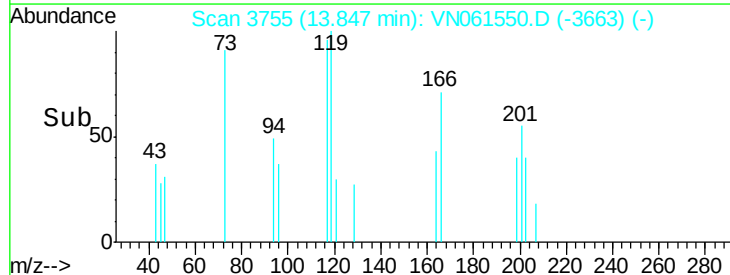
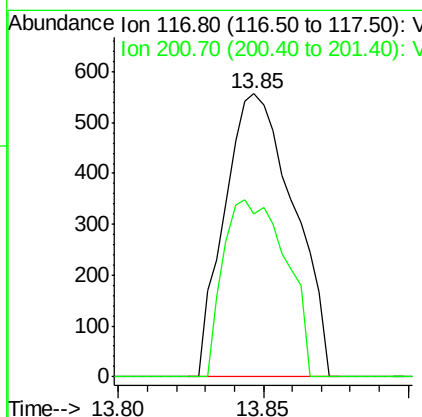
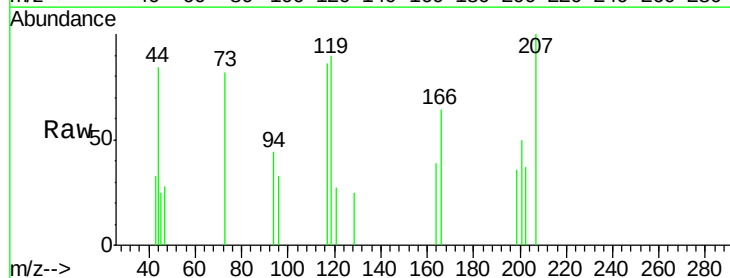
Manual Integrations
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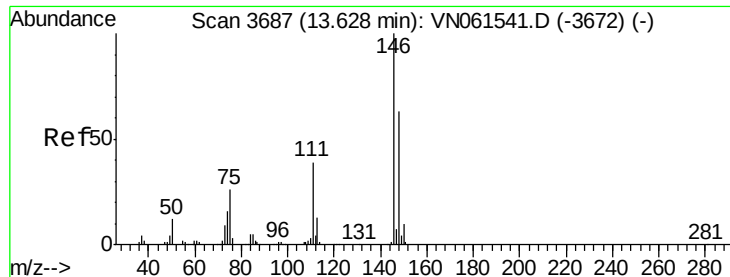
MMDadoda
5/29/2020 5:50:29 PM



#90
Hexachloroethane
Concen: 0.620 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061550.D
Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.4	36.7	110.1





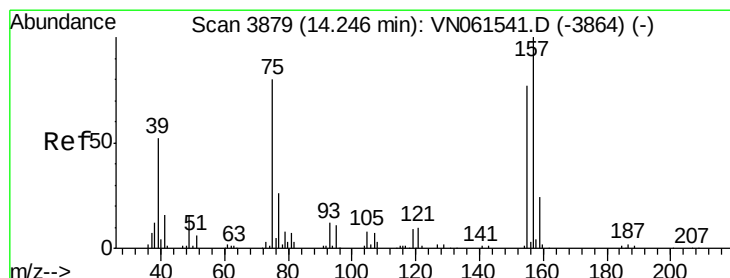
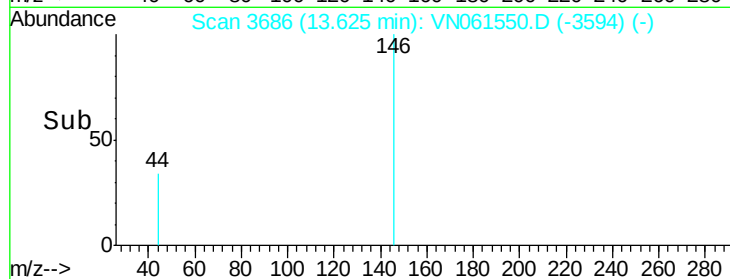
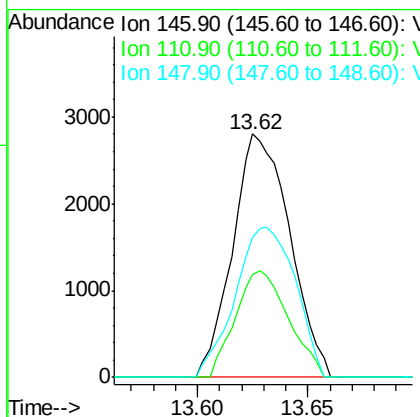
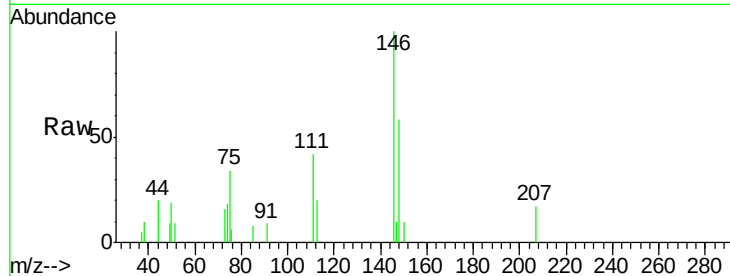
#91
 1,2-Dichlorobenzene
 Concen: 0.760 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	65.0	31.9	95.5

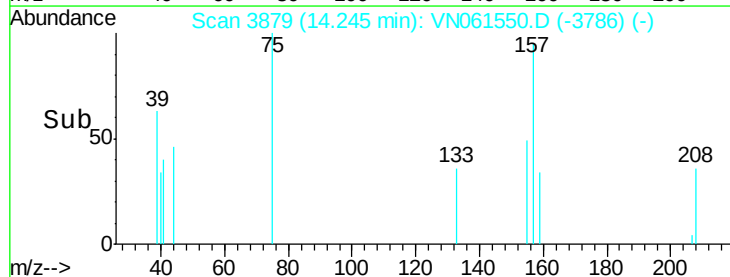
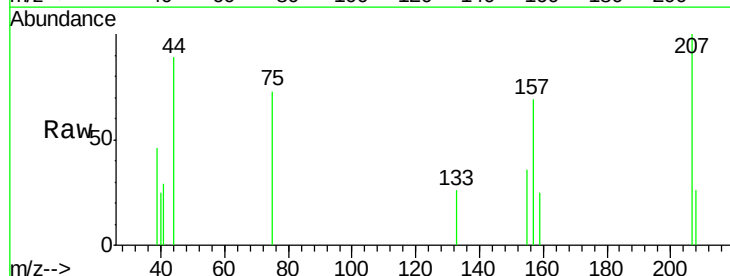
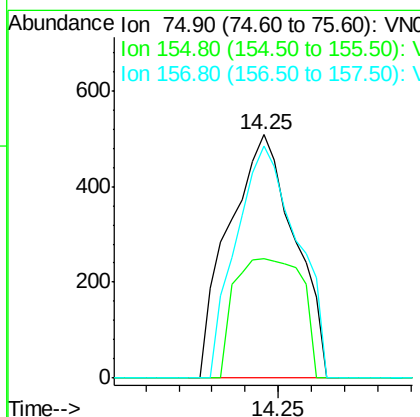
Manual Integrations
 APPROVED

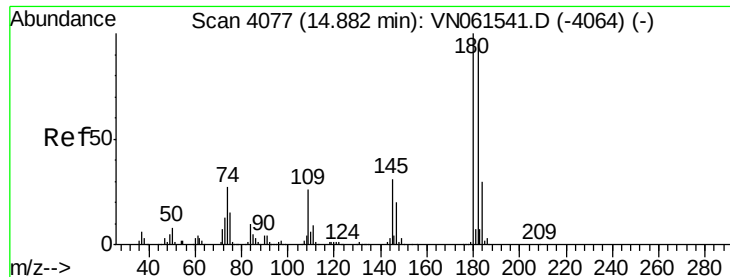
MMDadoda
 5/29/2020 5:50:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.800 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	50.2	47.1	141.4
157	88.7	60.3	180.8





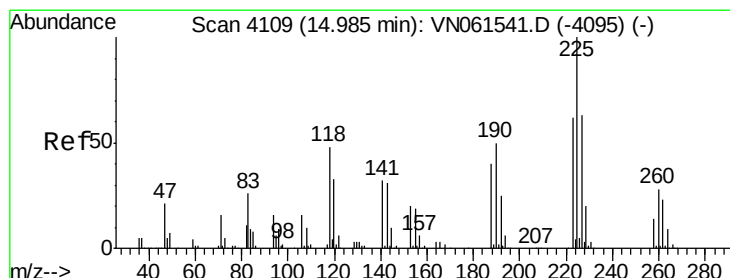
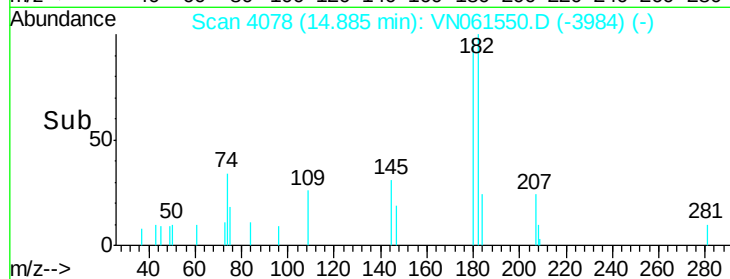
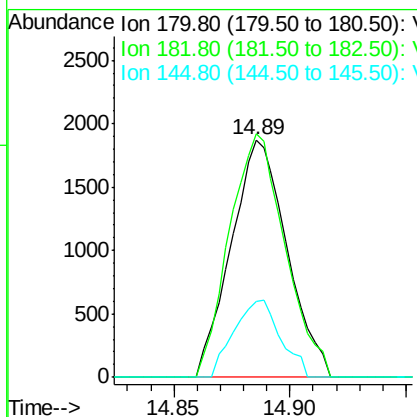
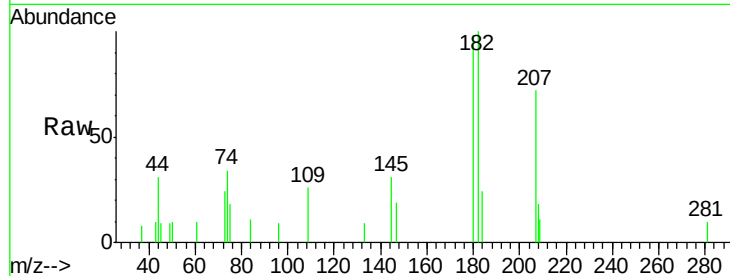
#93
 1,2,4-Trichlorobenzene
 Concen: 0.807 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.2	47.8	143.3
145	27.1	15.5	46.5

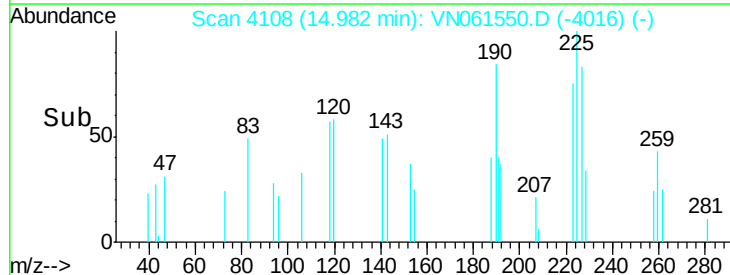
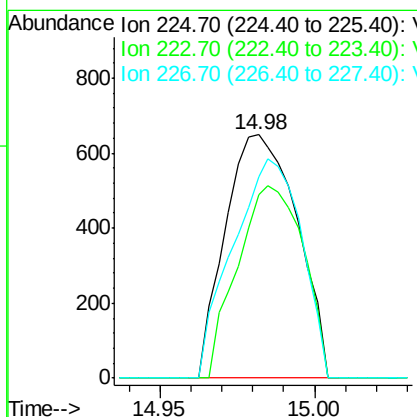
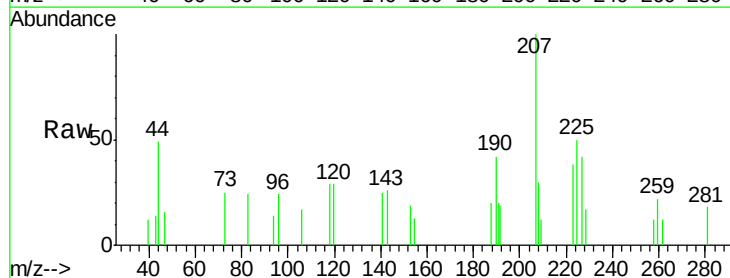
Manual Integrations
 APPROVED

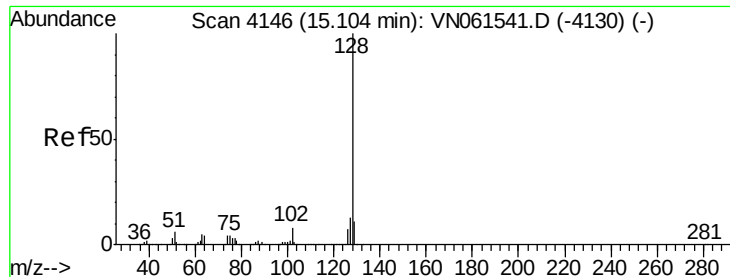
MMDadoda
 5/29/2020 5:50:29 PM



#94
 Hexachlorobutadiene
 Concen: 0.633 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061550.D
 Acq: 28 May 2020 23:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	72.9	31.9	95.5
227	86.4	31.9	95.9





#95

Naphthalene

Concen: 0.768 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061550.D

Acq: 28 May 2020 23:36

Instrument :

MSVOA_N

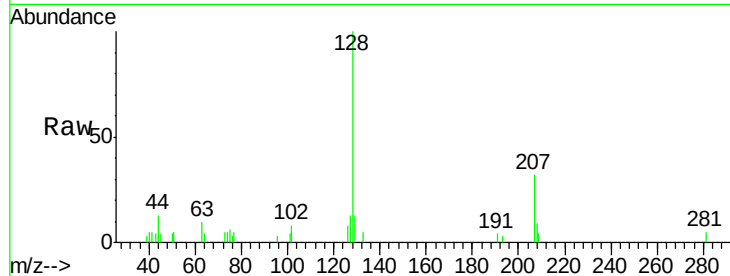
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	128	Resp:	9054
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.0	15.0
129	9.4	8.5	12.7

Manual Integrations
APPROVED

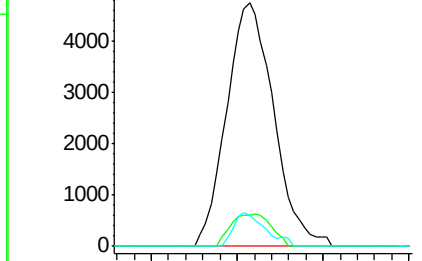
MMDadoda
5/29/2020 5:50:29 PM



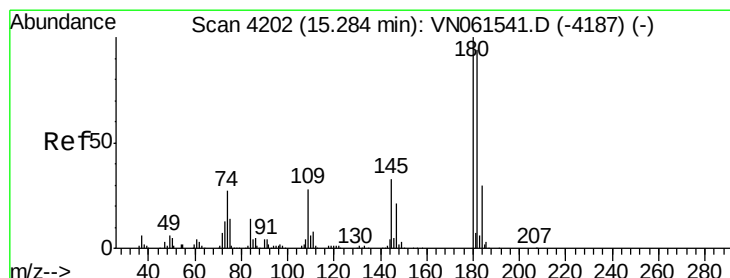
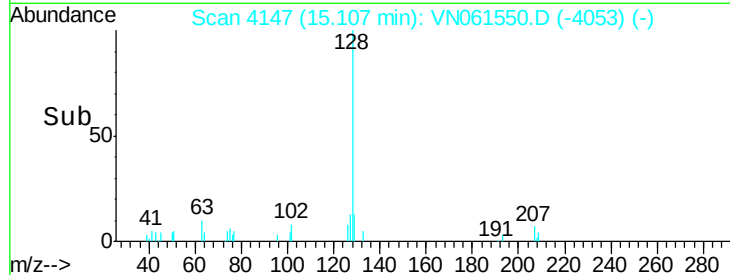
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.781 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN061550.D

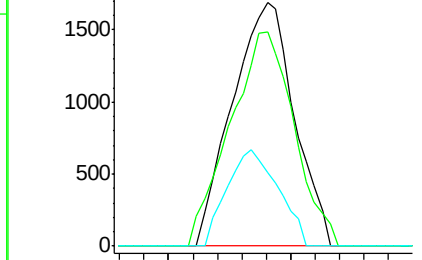
Acq: 28 May 2020 23:36

Tgt Ion:	180	Resp:	2974
Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.1	141.3
145	32.9	16.3	48.9

Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

