

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062408.D
 Acq On : 8 Jul 2020 15:25
 Operator : JC/MD
 Sample : L3216-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:03 AM

Quant Time: Jul 09 04:05:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	183077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	288966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	149784	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	7.55	113	104062	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.06	98	398745	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.38	95	130452	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1565	0.839	ug/l	98
3) Chloromethane	2.04	50	2729	0.912	ug/l	94
4) Vinyl Chloride	2.16	62	2115	0.863	ug/l #	88
5) Bromomethane	2.54	94	1482	1.126	ug/l	88
6) Chloroethane	2.67	64	987	0.691	ug/l #	78
7) Trichlorofluoromethane	2.98	101	2343	0.753	ug/l	84
8) Diethyl Ether	3.38	74	1028	0.738	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1391	0.754	ug/l	89
10) Methyl Iodide	3.90	142	494	0.203	ug/l #	26
11) Tert butyl alcohol	4.73	59	2186	4.680	ug/l #	74
12) 1,1-Dichloroethene	3.70	96	1486	0.791	ug/l	95
13) Acrolein	3.58	56	1318	3.911	ug/l #	73
14) Allyl chloride	4.27	41	3606	0.816	ug/l #	88
15) Acrylonitrile	4.95	53	4282	3.495	ug/l	97
16) Acetone	3.78	43	4906	4.104	ug/l	96
17) Carbon Disulfide	4.01	76	5639	0.958	ug/l #	94
18) Methyl Acetate	4.28	43	2805	0.940	ug/l #	79
19) Methyl tert-butyl Ether	4.99	73	5408	0.759	ug/l	98
20) Methylene Chloride	4.50	84	2331	0.912	ug/l	93
21) trans-1,2-Dichloroethene	5.00	96	1620	0.796	ug/l	82
22) Diisopropyl ether	5.90	45	6726	0.770	ug/l	97
23) Vinyl Acetate	5.85	43	25654	3.547	ug/l	96
24) 1,1-Dichloroethane	5.80	63	3328m	0.738	ug/l	
25) 2-Butanone	6.79	43	6267	3.589	ug/l	95
26) 2,2-Dichloropropane	6.78	77	3145	0.909	ug/l #	70
27) cis-1,2-Dichloroethene	6.79	96	1933	0.820	ug/l	92
28) Bromochloromethane	7.15	49	1861	0.759	ug/l #	93
29) Tetrahydrofuran	7.17	42	4323	3.678	ug/l #	87
30) Chloroform	7.33	83	2960	0.727	ug/l	98
31) Cyclohexane	7.62	56	7871	1.840	ug/l #	16
32) 1,1,1-Trichloroethane	7.53	97	2579	0.761	ug/l #	53
36) 1,1-Dichloropropene	7.76	75	2488	0.766	ug/l	94
37) Ethyl Acetate	6.88	43	3662m	0.964	ug/l	
38) Carbon Tetrachloride	7.73	117	2427	0.831	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	2713	0.783	ug/l	98
40) Benzene	8.00	78	7671	0.802	ug/l	97
41) Methacrylonitrile	7.13	41	1213m	0.765	ug/l	
42) 1,2-Dichloroethane	8.09	62	2936	0.838	ug/l #	78
43) Isopropyl Acetate	8.13	43	4267	0.711	ug/l #	88
44) Trichloroethene	8.81	130	1714	0.807	ug/l	97
45) 1,2-Dichloropropane	9.08	63	1958	0.705	ug/l #	87
46) Dibromomethane	9.17	93	1280	0.816	ug/l	93
47) Bromodichloromethane	9.37	83	2611	0.779	ug/l #	87
48) Methyl methacrylate	9.17	41	2164	0.736	ug/l	94
49) 1,4-Dioxane	9.17	88	598	13.964	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	12655	3.532	ug/l	98
52) Toluene	10.12	92	4585	0.829	ug/l	91
53) t-1,3-Dichloropropene	10.35	75	2605	0.694	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	2938	0.709	ug/l	94
55) 1,1,2-Trichloroethane	10.54	97	1559	0.717	ug/l	99
56) Ethyl methacrylate	10.40	69	2400	0.661	ug/l	97
57) 1,3-Dichloropropane	10.68	76	2794	0.696	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.67	63	3748	2.906	ug/l	91
59) 2-Hexanone	10.73	43	8742	3.361	ug/l	93
60) Dibromochloromethane	10.88	129	1409	0.598	ug/l	97
61) 1,2-Dibromoethane	10.98	107	1538	0.701	ug/l	98
64) Tetrachloroethene	10.61	164	1465	0.854	ug/l #	83
65) Chlorobenzene	11.40	112	4650	0.828	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1517	0.732	ug/l #	54
67) Ethyl Benzene	11.48	91	7766	0.737	ug/l	99
68) m/p-Xylenes	11.59	106	5228	1.401	ug/l	99
69) o-Xylene	11.92	106	2427	0.668	ug/l	86
70) Styrene	11.94	104	3602	0.600	ug/l	93
71) Bromoform	12.10	173	1086	0.715	ug/l #	88
73) Isopropylbenzene	12.22	105	6582	0.788	ug/l	97
74) N-amyl acetate	12.05	43	2989	0.735	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.48	83	2600	0.926	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	2504m	0.945	ug/l	
77) Bromobenzene	12.50	156	1692	0.891	ug/l	97
78) n-propylbenzene	12.57	91	7911	0.811	ug/l	98
79) 2-Chlorotoluene	12.65	91	5184	0.875	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	5489	0.801	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	676m	0.683	ug/l	
82) 4-Chlorotoluene	12.75	91	5371	0.893	ug/l	95
83) tert-Butylbenzene	12.97	119	4501	0.774	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	5085	0.747	ug/l	95
85) sec-Butylbenzene	13.15	105	5785	0.751	ug/l	99
86) p-Isopropyltoluene	13.26	119	4618	0.695	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2776	0.847	ug/l	89
88) 1,4-Dichlorobenzene	13.34	146	2721m	0.807	ug/l	
89) n-Butylbenzene	13.59	91	4153	0.708	ug/l	92
90) Hexachloroethane	13.84	117	1036	0.792	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	2399	0.757	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	127	0.248	ug/l	75

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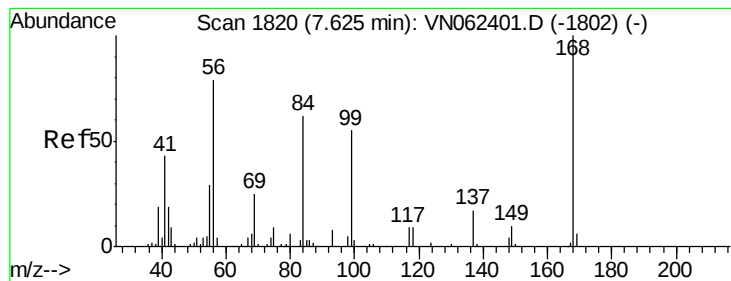
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	745	0.522	ug/l	86
94) Hexachlorobutadiene	14.99	225	734	0.873	ug/l	77
95) Naphthalene	15.11	128	2586	0.642	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.29	180	1071m	0.721	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 183077

Ion Ratio Lower Upper

168 100

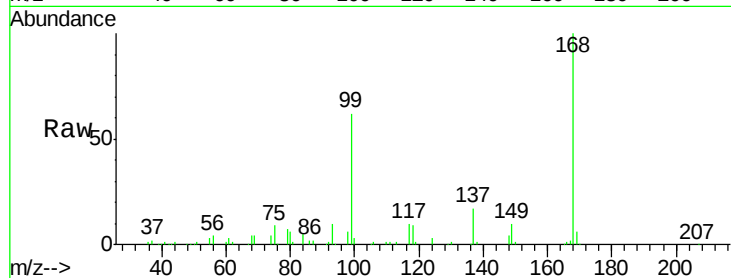
99 62.0 48.8 73.2

Manual Integrations

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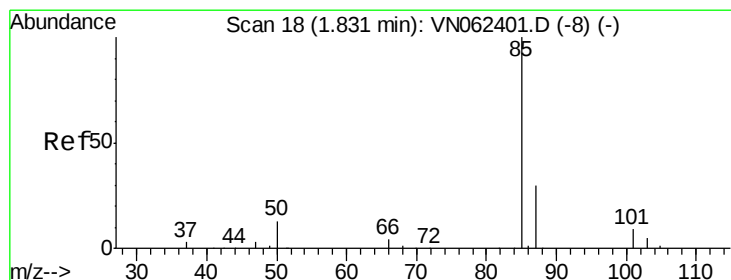
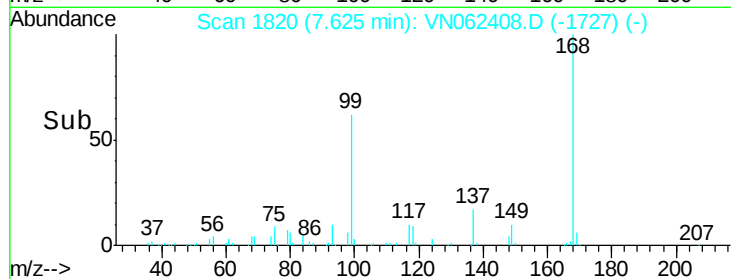
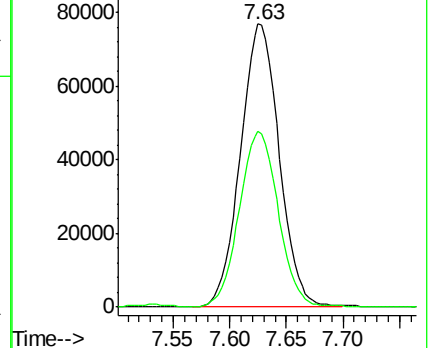
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 0.839 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062408.D

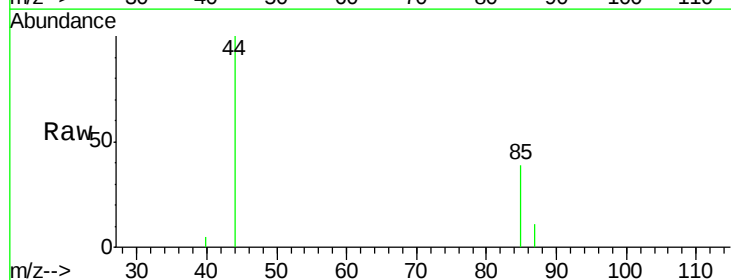
Acq: 8 Jul 2020 15:25

Tgt Ion: 85 Resp: 1565

Ion Ratio Lower Upper

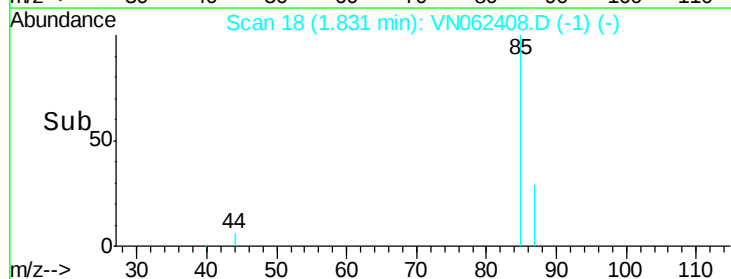
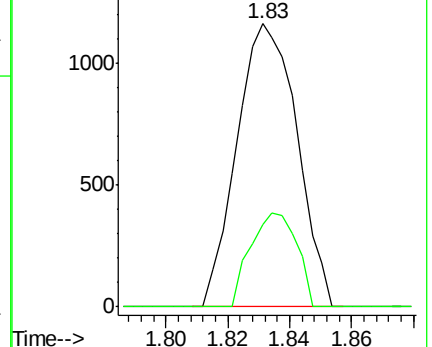
85 100

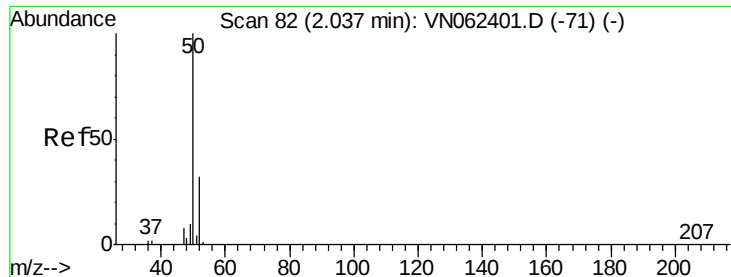
87 29.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 0.912 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 2729

Ion Ratio Lower Upper

50 100

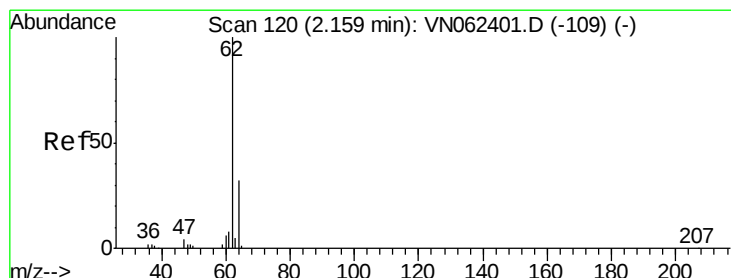
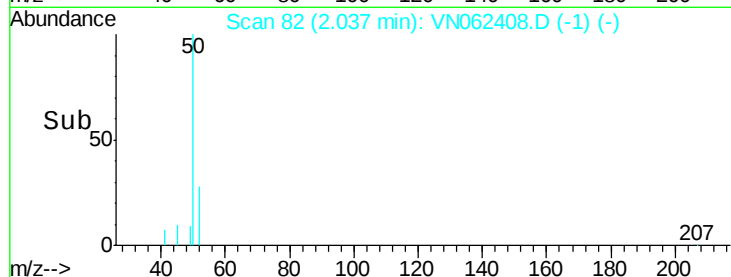
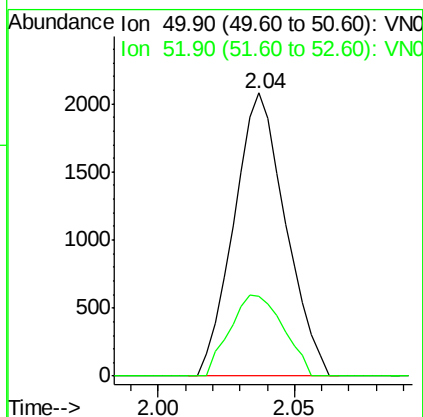
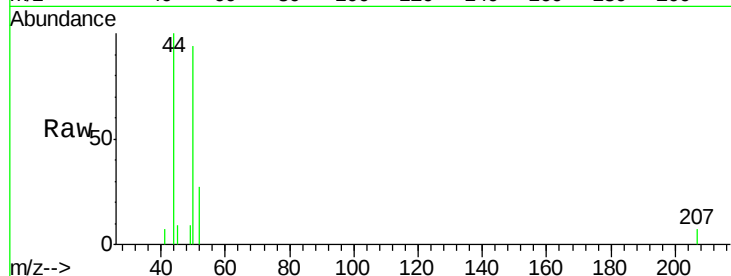
52 28.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.863 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062408.D

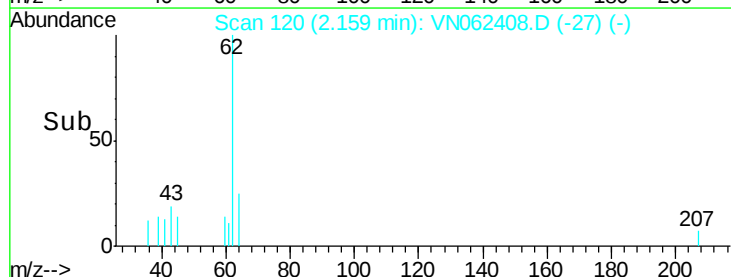
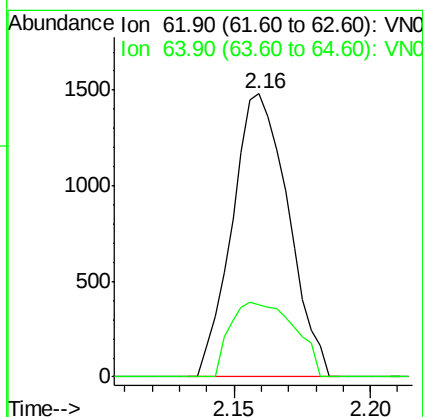
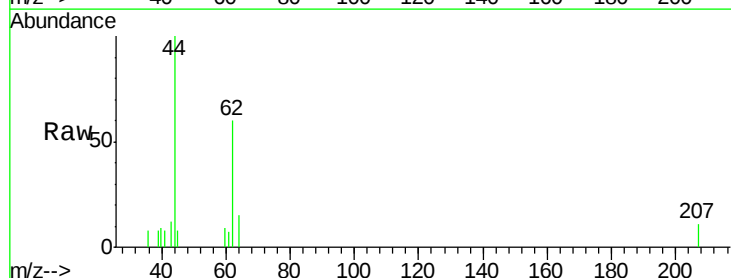
Acq: 8 Jul 2020 15:25

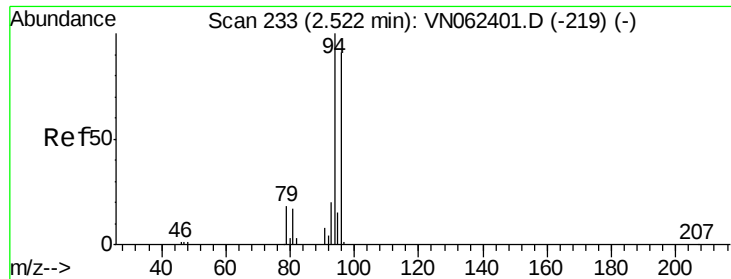
Tgt Ion: 62 Resp: 2115

Ion Ratio Lower Upper

62 100

64 25.5 25.7 38.5#





#5

Bromomethane

Concen: 1.126 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

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LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 1482

Ion Ratio Lower Upper

94 100

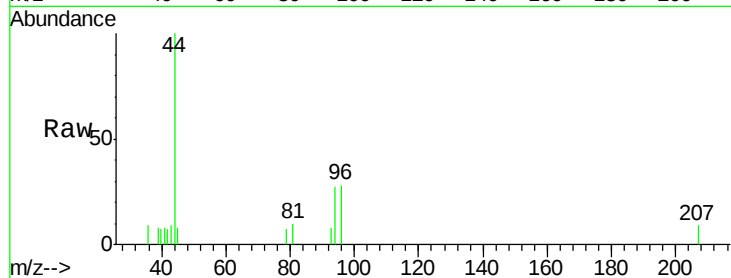
96 103.1 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

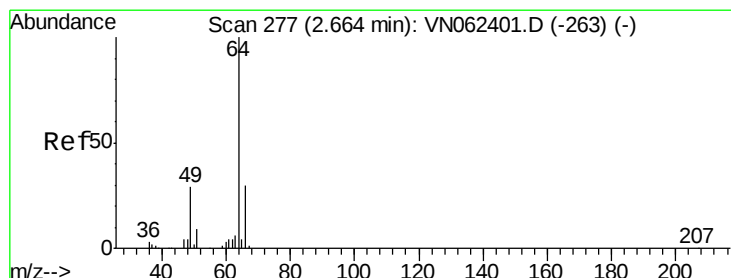
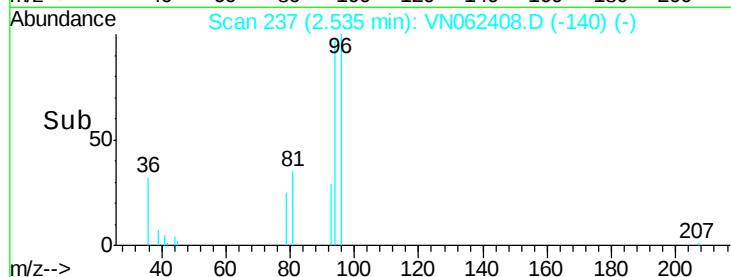
600

400

200

0

Time-->



#6

Chloroethane

Concen: 0.691 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062408.D

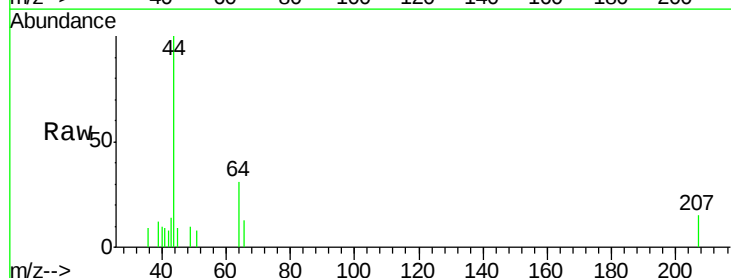
Acq: 8 Jul 2020 15:25

Tgt Ion: 64 Resp: 987

Ion Ratio Lower Upper

64 100

66 42.4 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

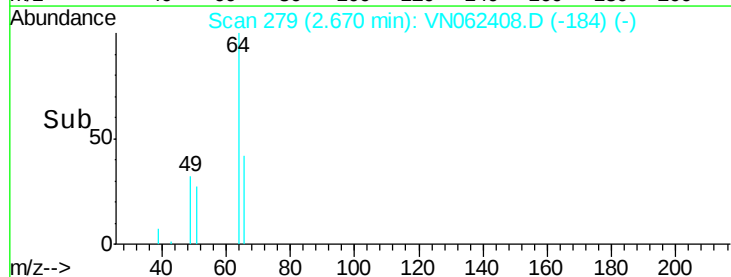
600

400

200

0

Time-->





#7

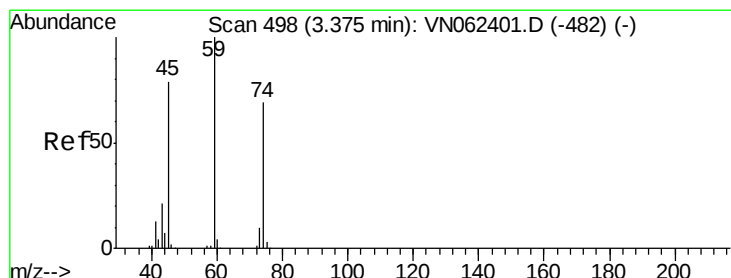
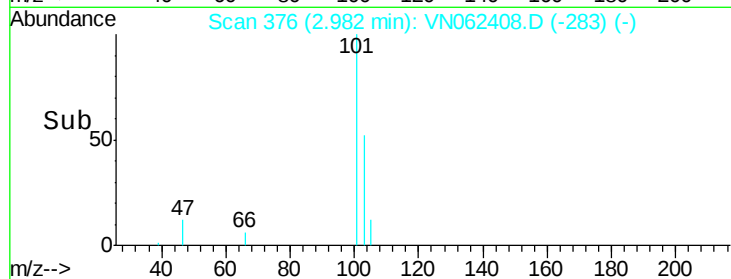
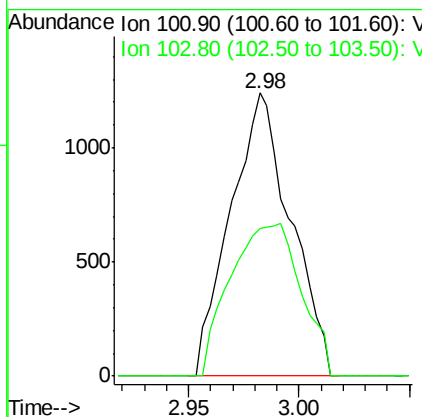
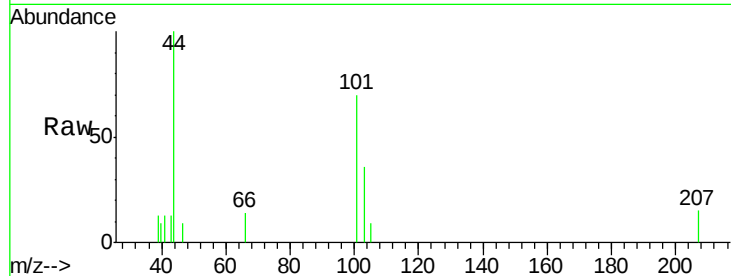
Trichlorofluoromethane
Concen: 0.753 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

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Tot Ion	Ratio	Lower	Upper
101	100		
103	52.1	51.6	77.4

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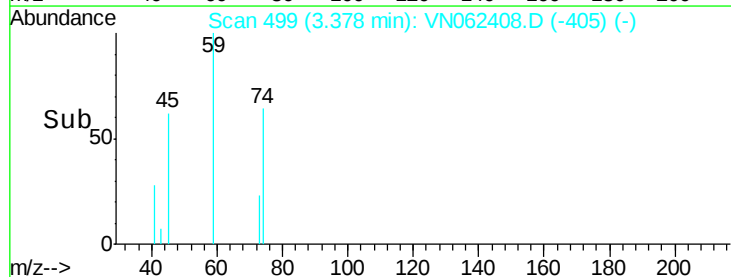
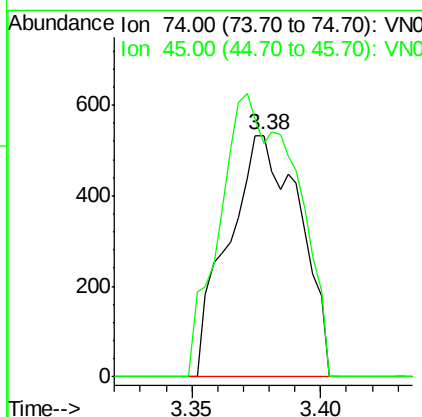
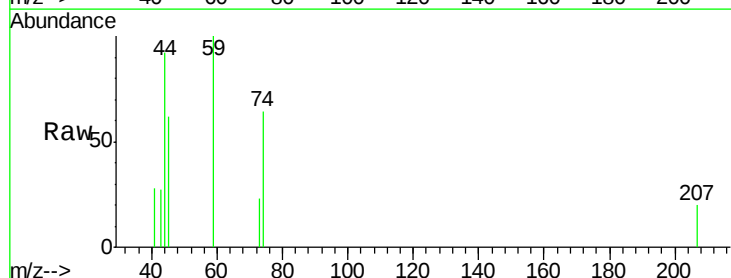
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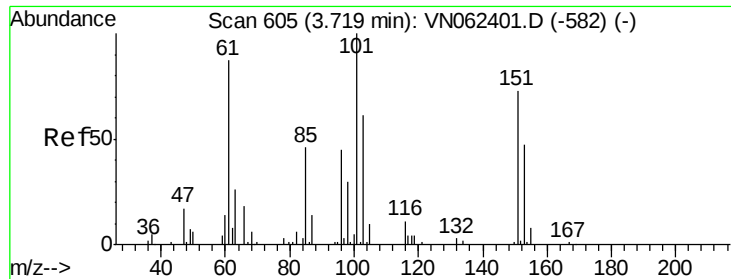


#8

Diethyl Ether
Concen: 0.738 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.0	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.754 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

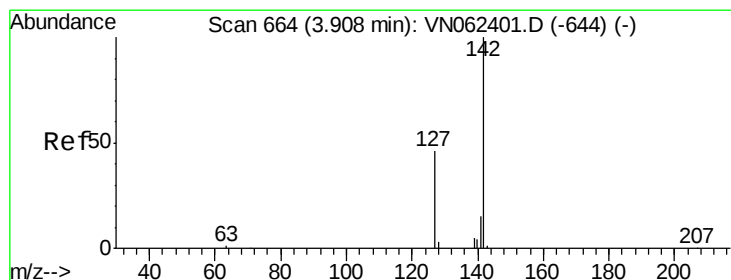
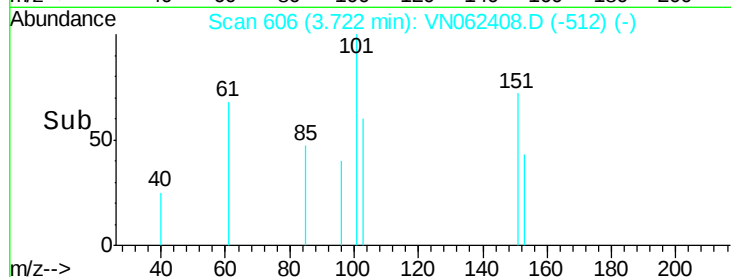
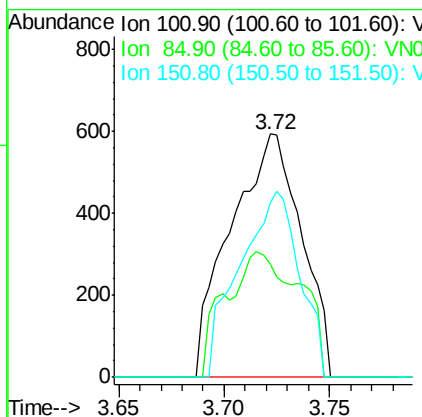
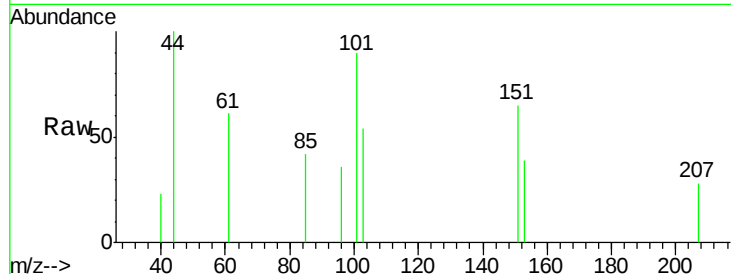
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	1391
Ion Ratio	Lower	Upper	
101	100		
85	54.1	36.7	55.1
151	64.5	58.3	87.5

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#10

Methyl Iodide

Concen: 0.203 ug/l

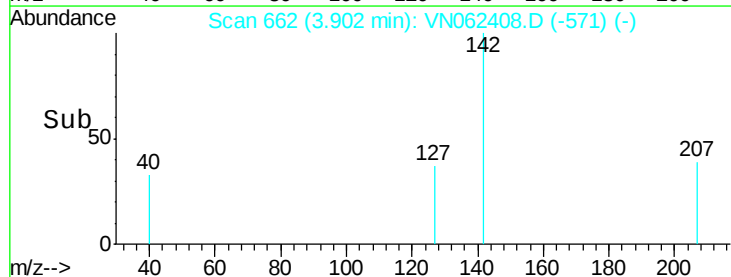
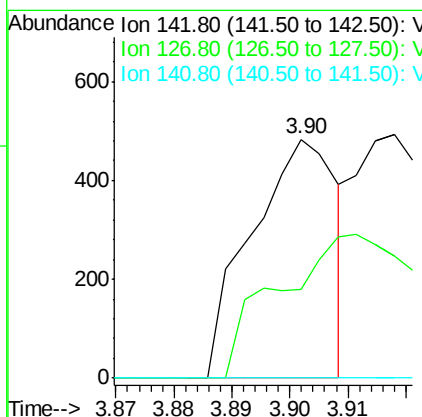
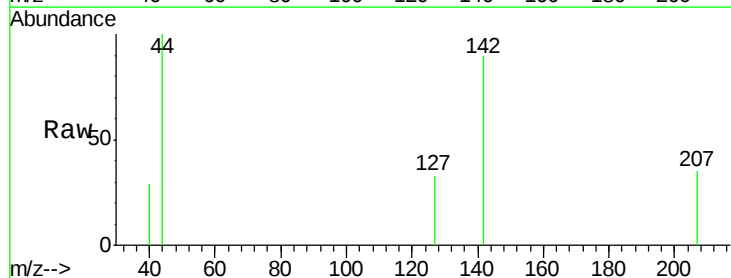
RT: 3.90 min Scan# 662

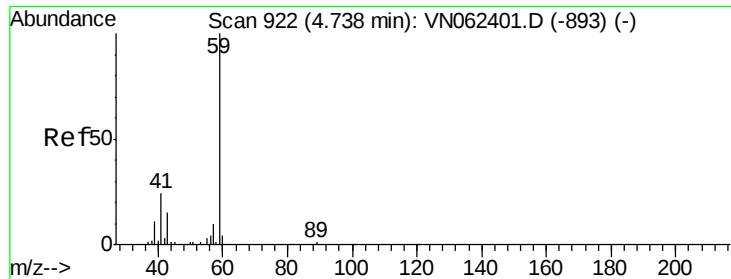
Delta R.T. -0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion:	142	Resp:	494
Ion Ratio	Lower	Upper	
142	100		
127	101.2	36.1	54.1#
141	0.0	11.4	17.0#





#11

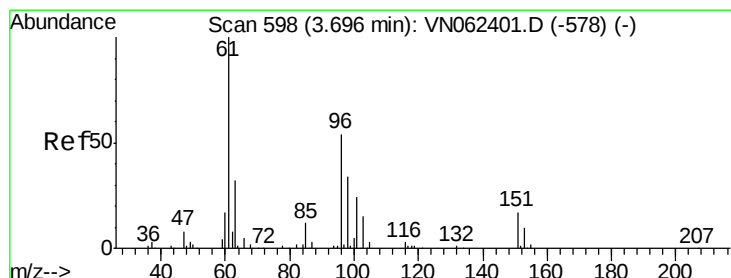
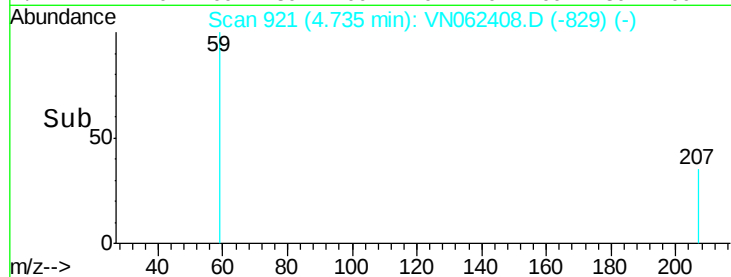
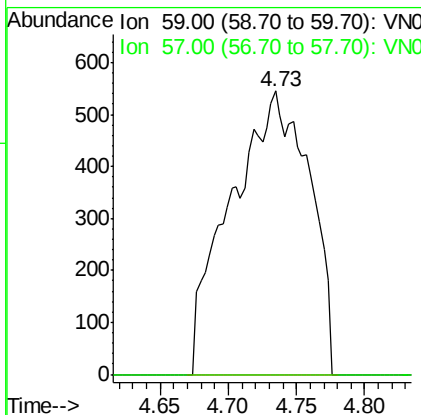
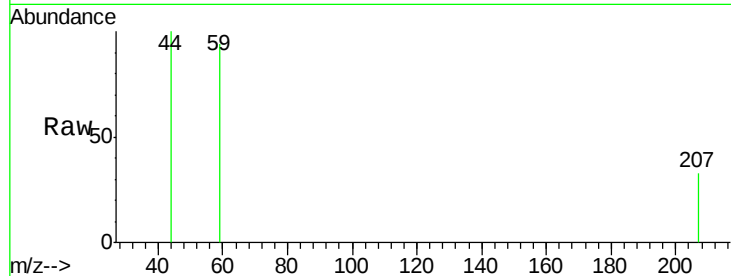
Tert butyl alcohol
Concen: 4.680 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 59 Resp: 2186
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

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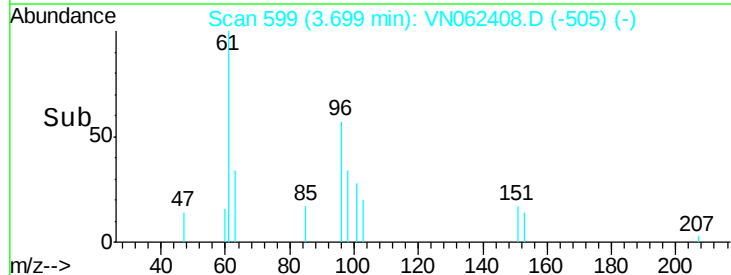
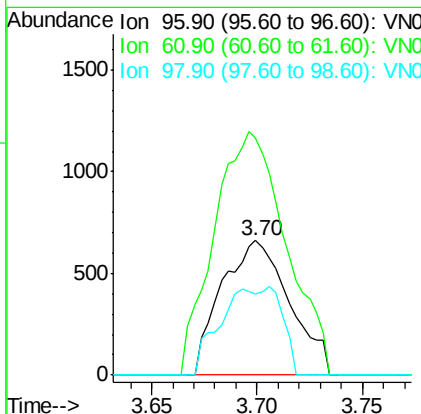
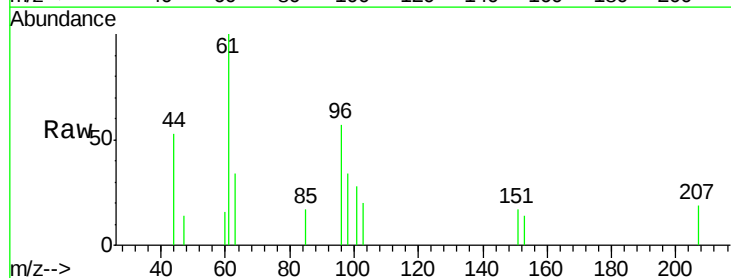
MMDadoda
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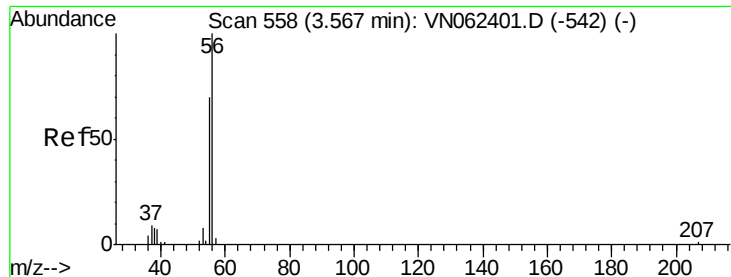


#12

1,1-Dichloroethene
Concen: 0.791 ug/l
RT: 3.70 min Scan# 599
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 96 Resp: 1486
Ion Ratio Lower Upper
96 100
61 176.6 147.4 221.0
98 60.4 50.4 75.6





#13

Acrolein

Concen: 3.911 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 1318

Ion Ratio Lower Upper

56 100

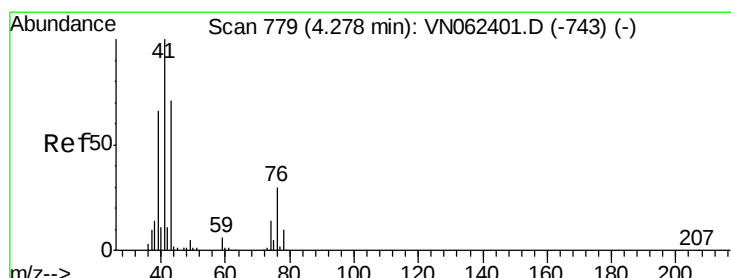
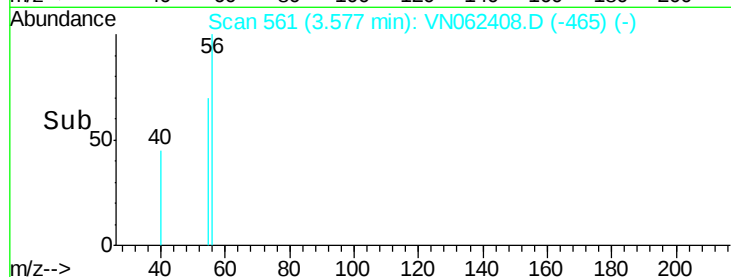
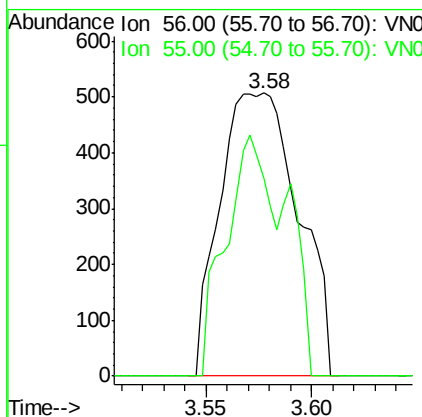
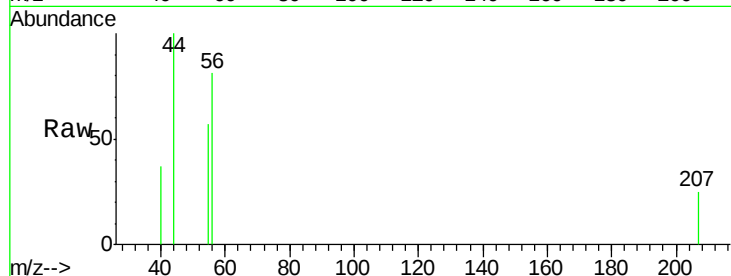
55 48.7 57.2 85.8#

Manual Integrations

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#14

Allyl chloride

Concen: 0.816 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

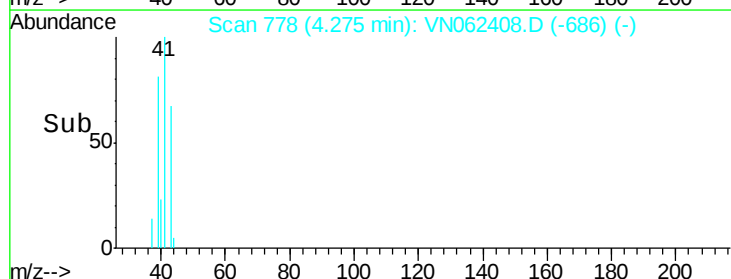
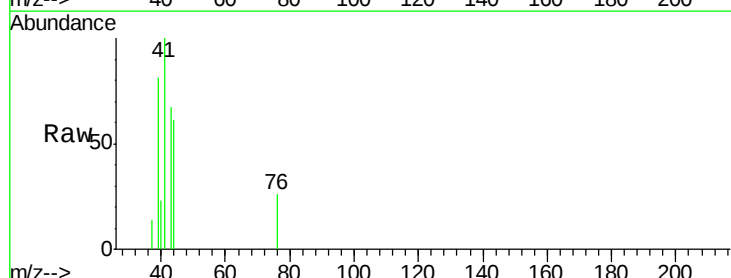
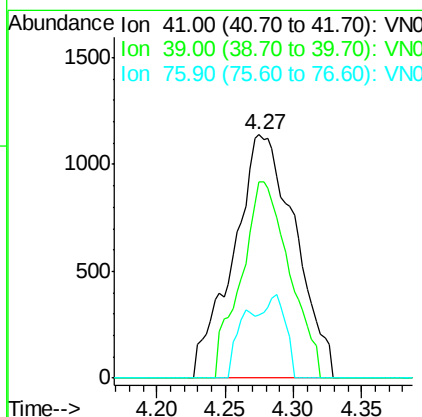
Tgt Ion: 41 Resp: 3606

Ion Ratio Lower Upper

41 100

39 62.8 49.6 74.4

76 8.4 22.2 33.4#





#15

Acrylonitrile

Concen: 3.495 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.02 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

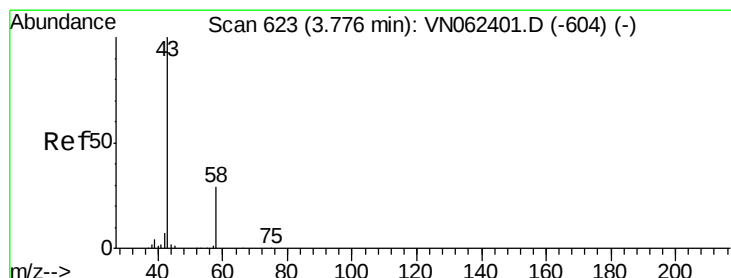
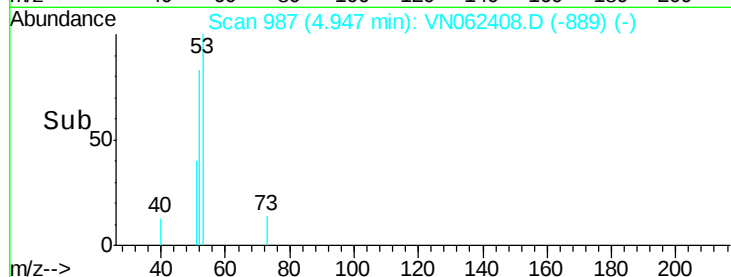
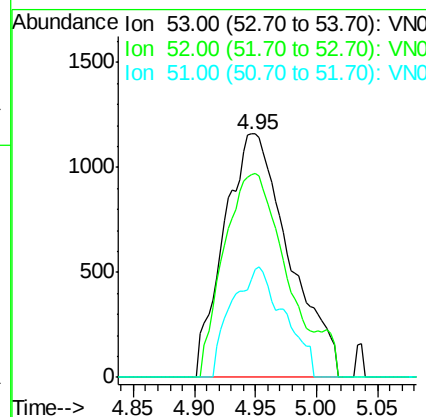
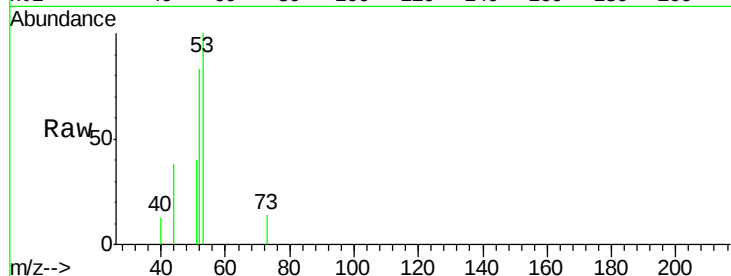
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	53	Resp:	4282
Ion	Ratio	Lower	Upper
53	100		
52	79.5	66.2	99.4
51	36.7	28.7	43.1

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#16

Acetone

Concen: 4.104 ug/l

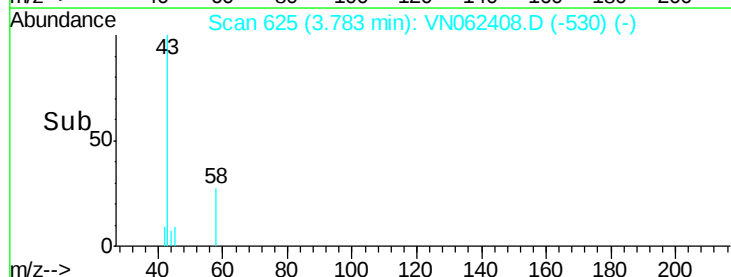
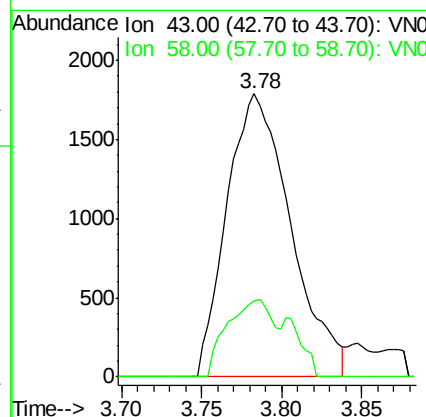
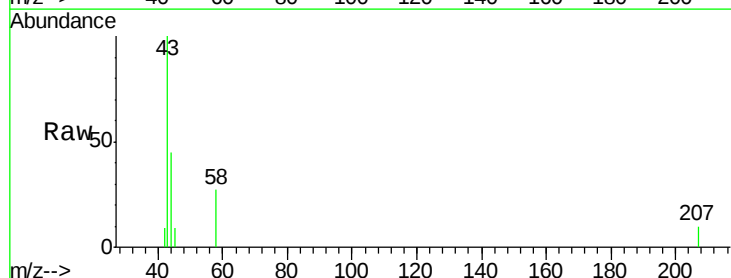
RT: 3.78 min Scan# 625

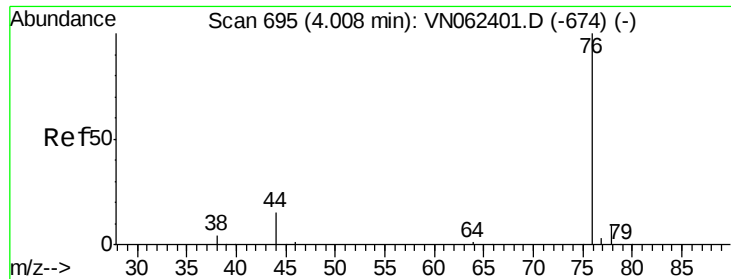
Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion:	43	Resp:	4906
Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.5	35.3





#17

Carbon Disulfide

Concen: 0.958 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 5639

Ion Ratio Lower Upper

76 100

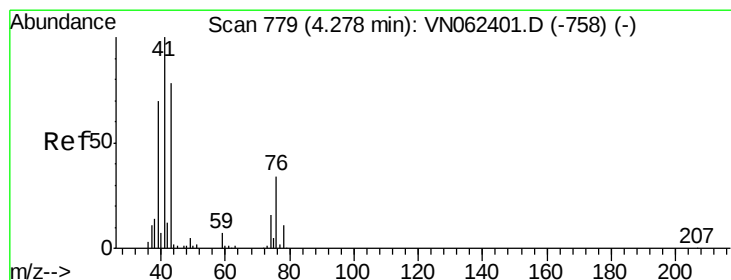
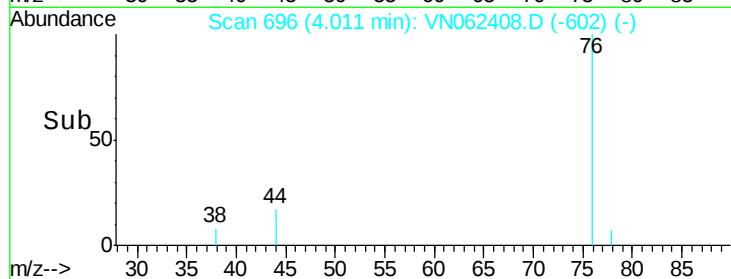
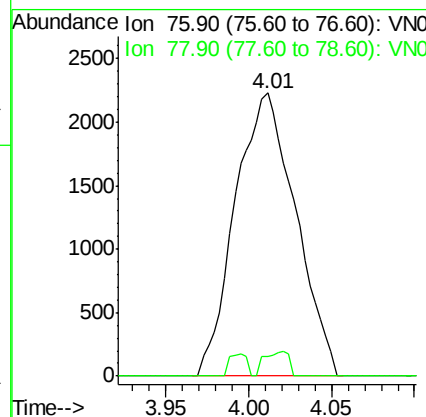
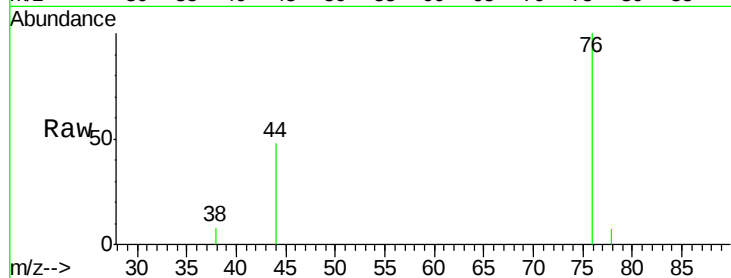
78 7.1 7.3 10.9#

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#18

Methyl Acetate

Concen: 0.940 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062408.D

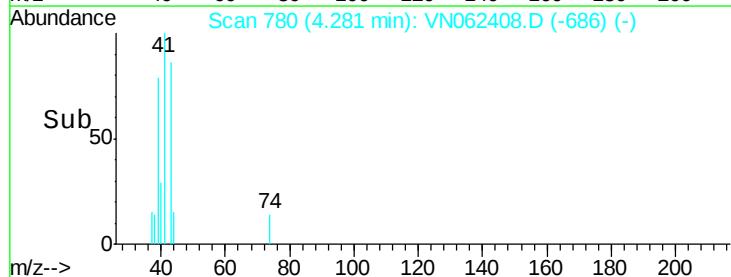
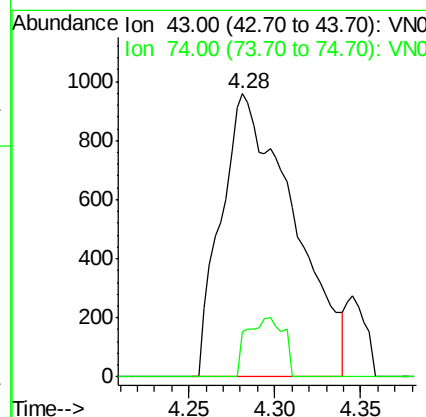
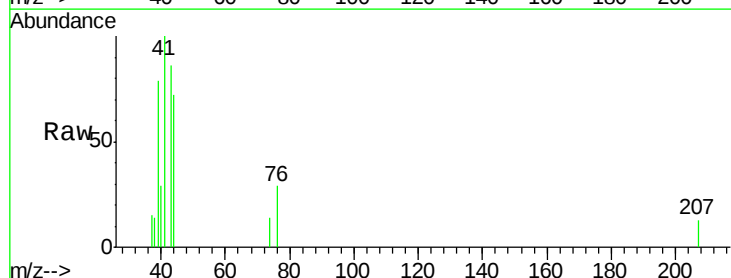
Acq: 8 Jul 2020 15:25

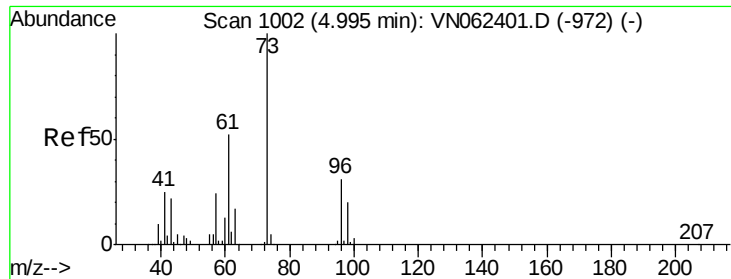
Tgt Ion: 43 Resp: 2805

Ion Ratio Lower Upper

43 100

74 10.5 16.0 24.0#





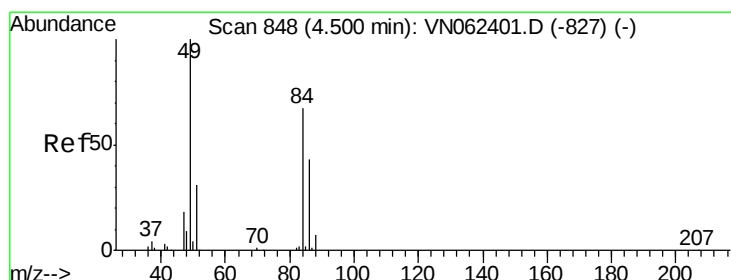
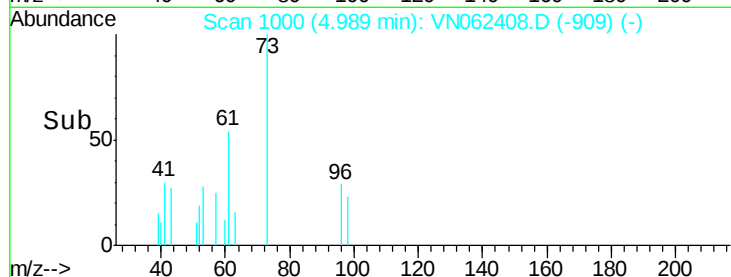
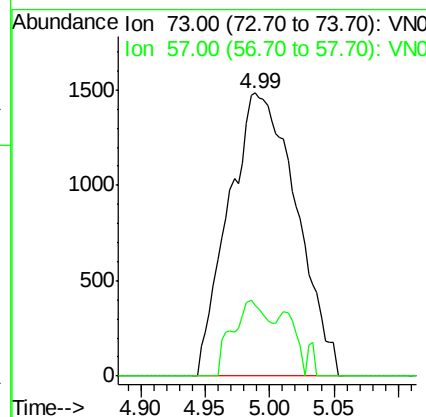
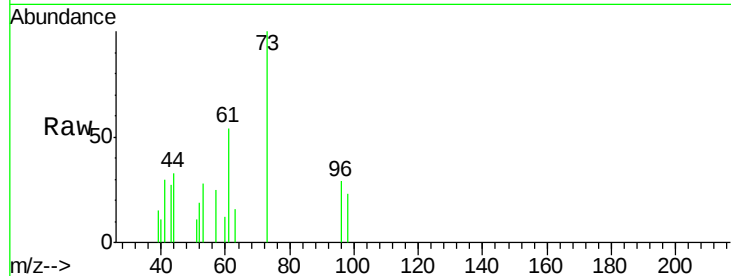
#19
Methyl tert-butyl Ether
Concen: 0.759 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 73 Resp: 5408
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.0

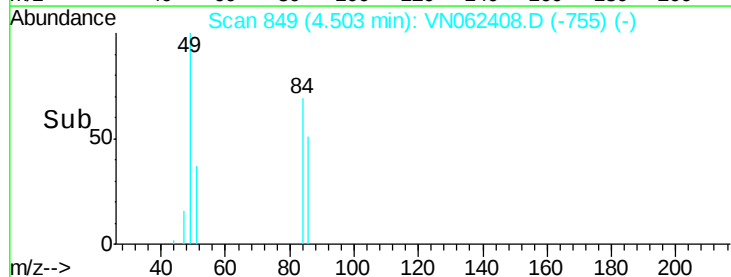
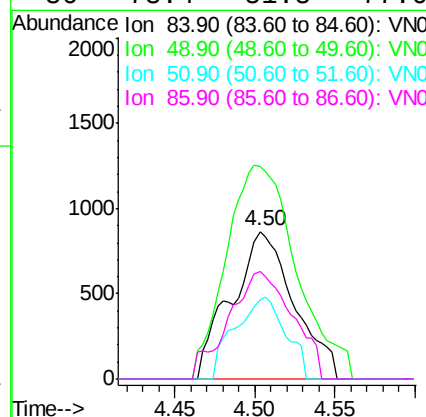
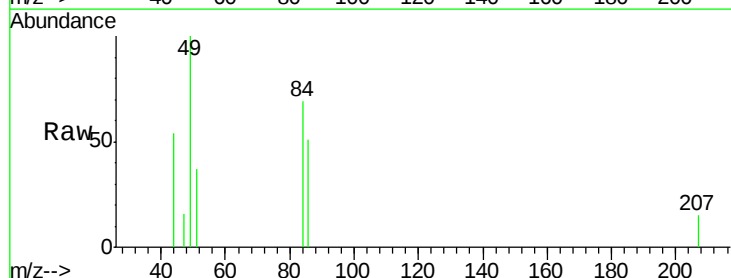
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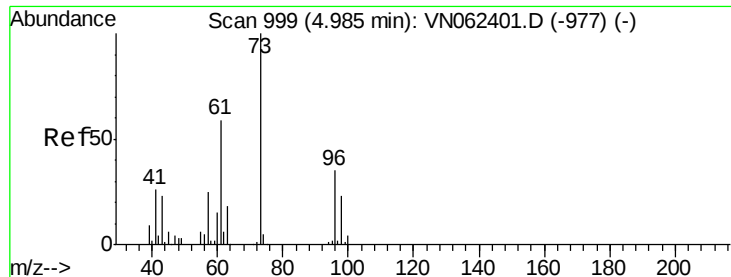
MMDadoda
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#20
Methylene Chloride
Concen: 0.912 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 84 Resp: 2331
Ion Ratio Lower Upper
84 100
49 144.0 120.0 180.0
51 53.7 37.0 55.6
86 73.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.796 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

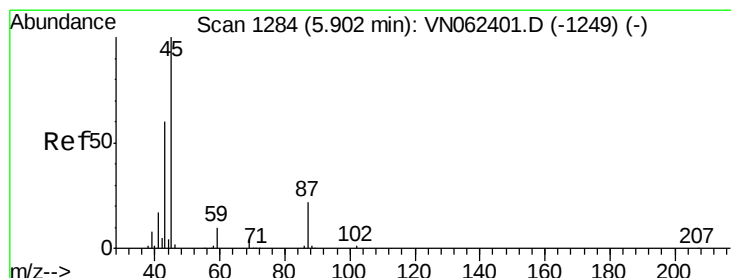
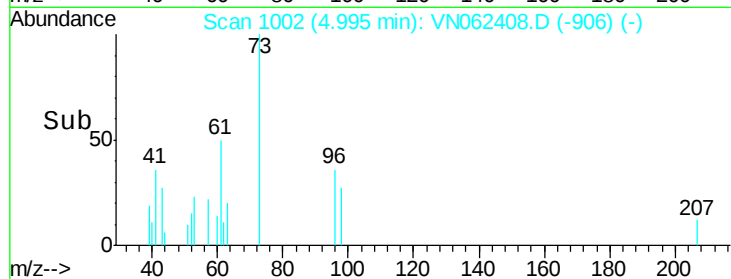
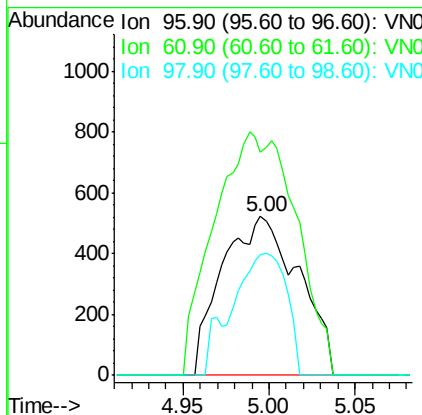
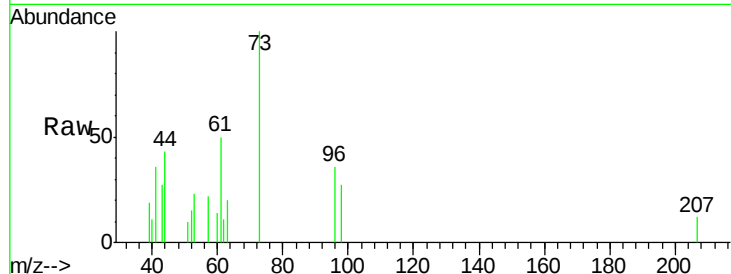
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	96	Resp:	1620
Ion	Ratio	Lower	Upper
96	100		
61	140.3	133.5	200.3
98	76.3	51.9	77.9

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#22

Diisopropyl ether

Concen: 0.770 ug/l

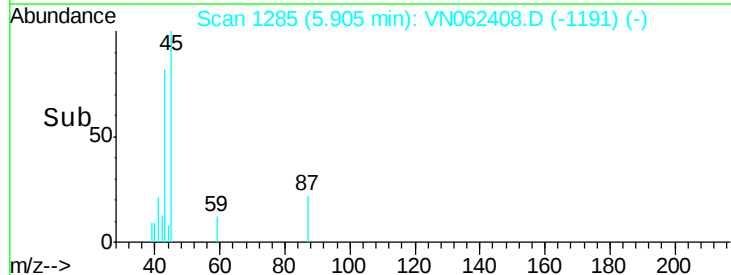
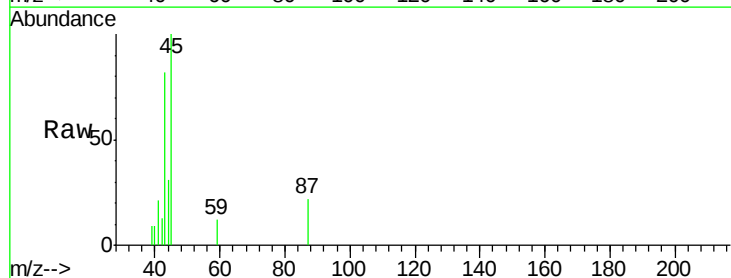
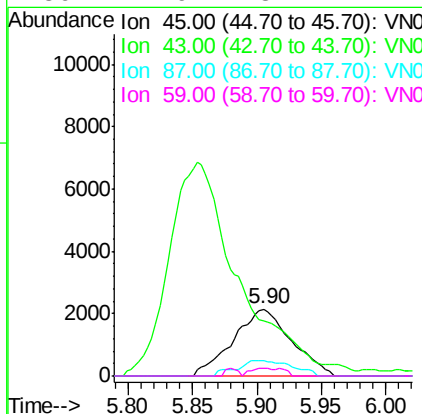
RT: 5.90 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion:	45	Resp:	6726
Ion	Ratio	Lower	Upper
45	100		
43	65.6	50.1	75.1
87	22.2	18.2	27.4
59	11.9	8.2	12.2





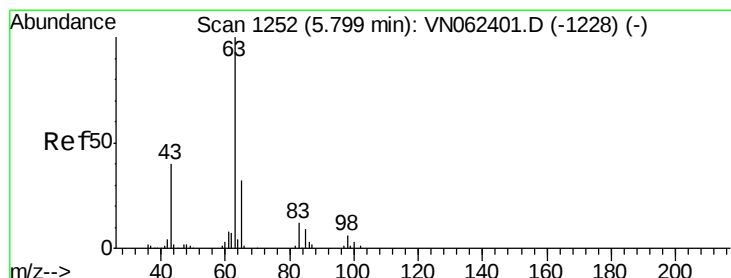
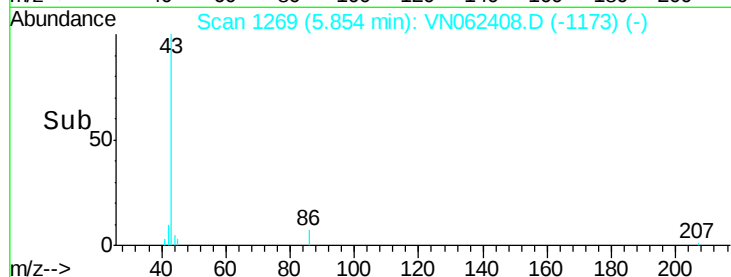
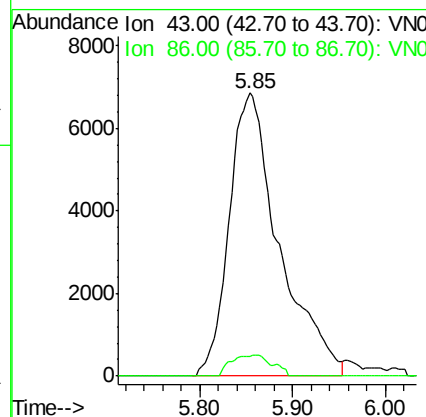
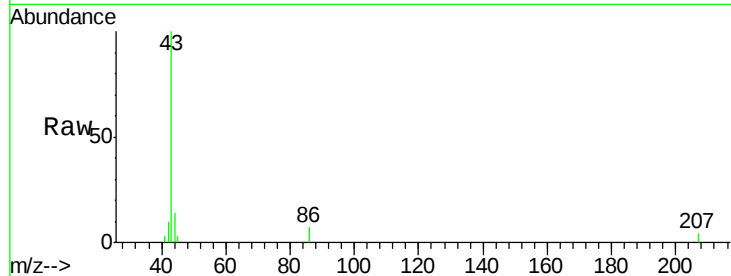
#23
 Vinyl Acetate
 Concen: 3.547 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	43	Resp	25654
Ion Ratio	Lower	Upper	
43	100		
86	7.1	6.7	10.1

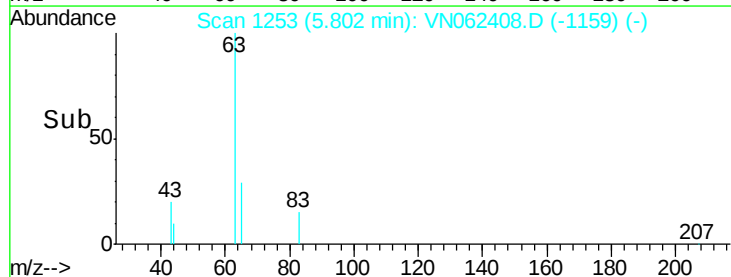
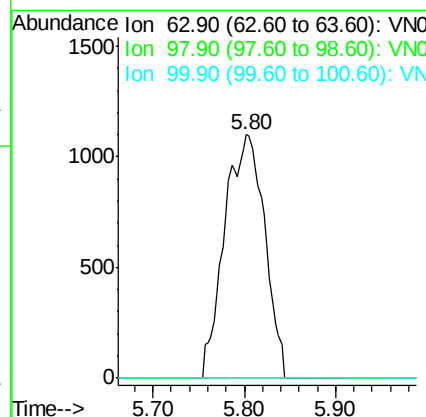
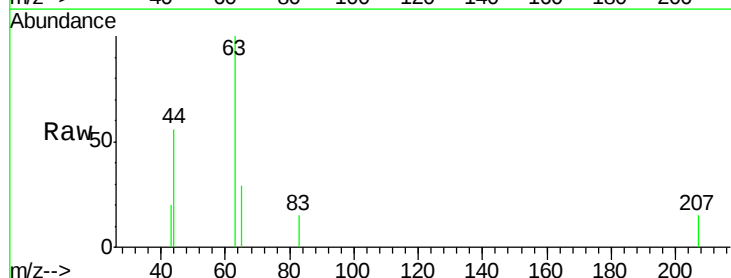
Manual Integrations
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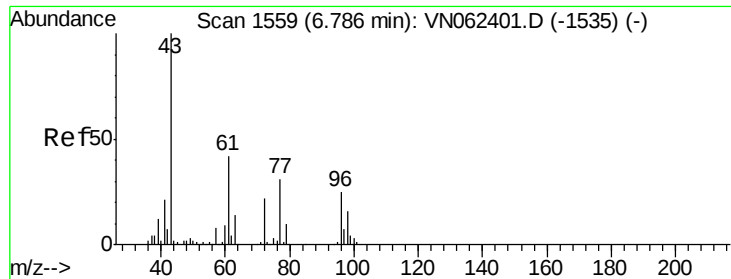
MMDadoda
 7/9/2020 10:55:03 AM



#24
 1,1-Dichloroethane
 Concen: 0.738 ug/l m
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	63	Resp	3328
Ion Ratio	Lower	Upper	
63	100		
98	0.0	2.9	8.8#
100	0.0	1.8	5.3#





#25

2-Butanone

Concen: 3.589 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 6267

Ion Ratio Lower Upper

43 100

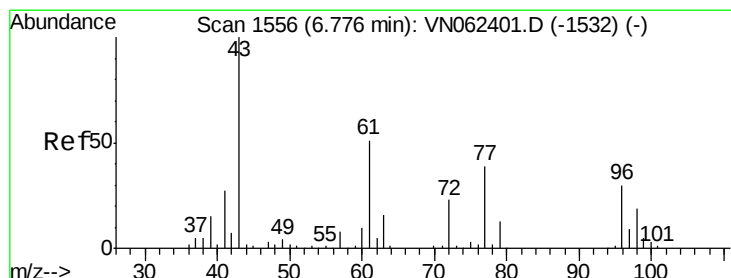
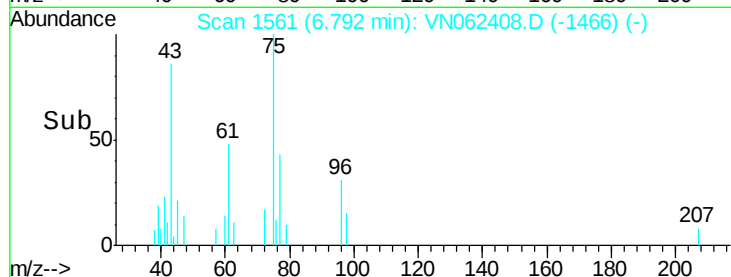
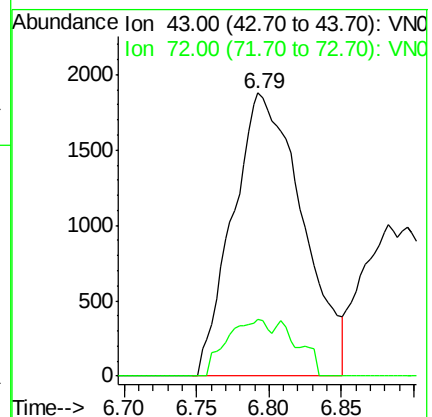
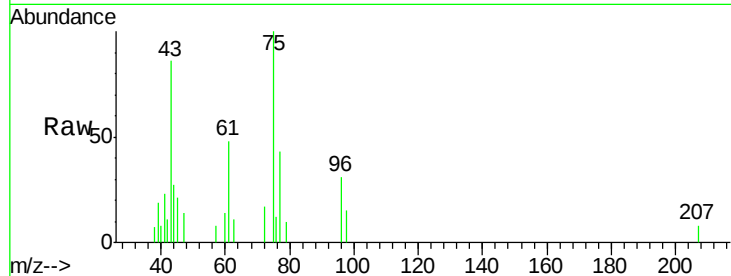
72 19.9 17.9 26.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 0.909 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062408.D

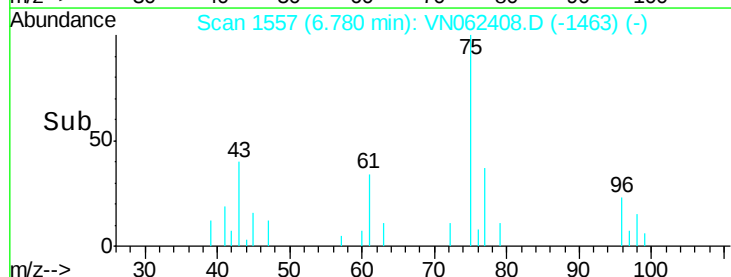
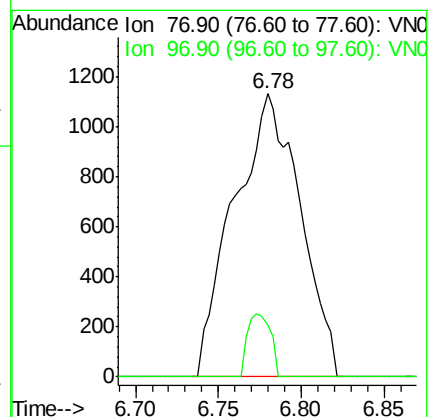
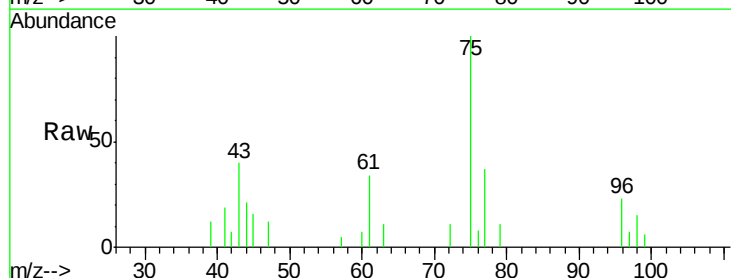
Acq: 8 Jul 2020 15:25

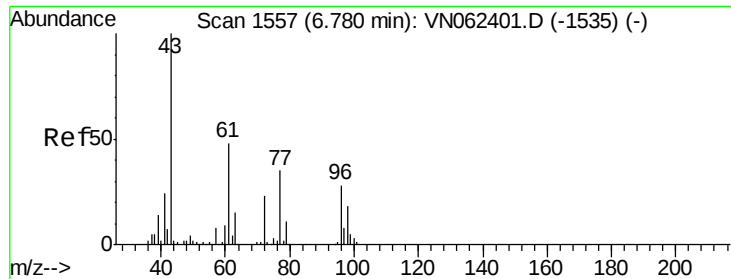
Tgt Ion: 77 Resp: 3145

Ion Ratio Lower Upper

77 100

97 7.7 10.9 32.9#





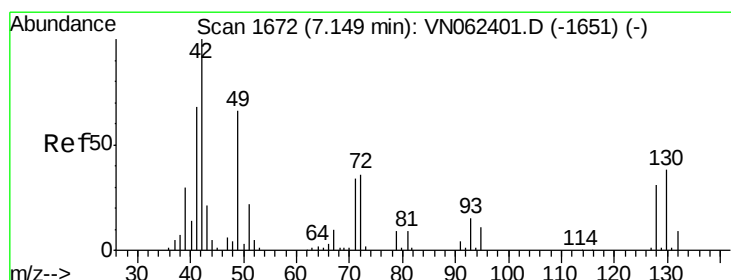
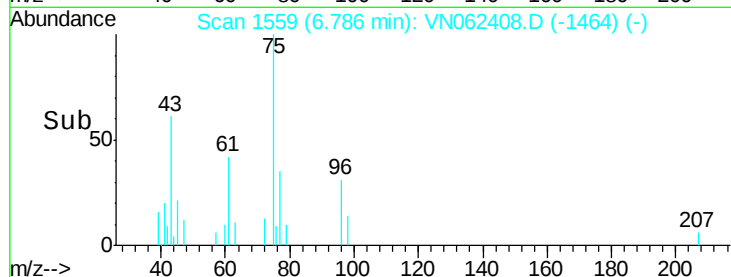
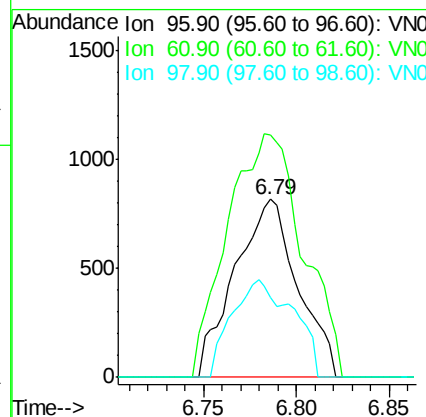
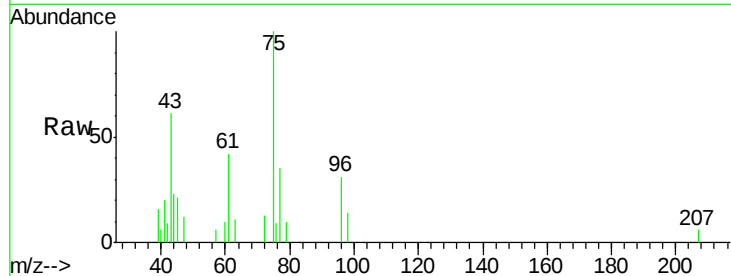
#27
 cis-1,2-Dichloroethene
 Concen: 0.820 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.7	0.0	343.4
98	53.1	0.0	128.4

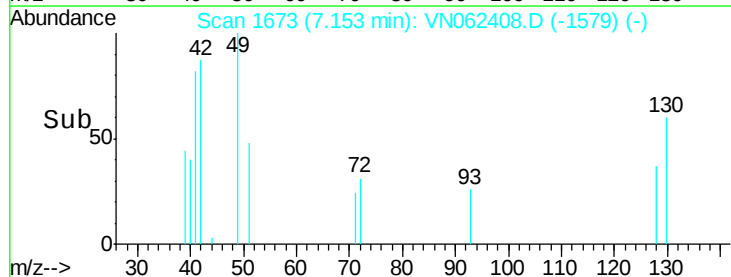
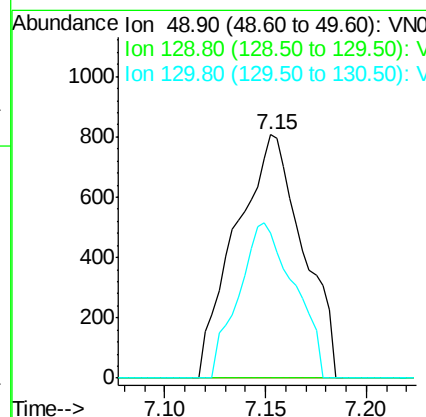
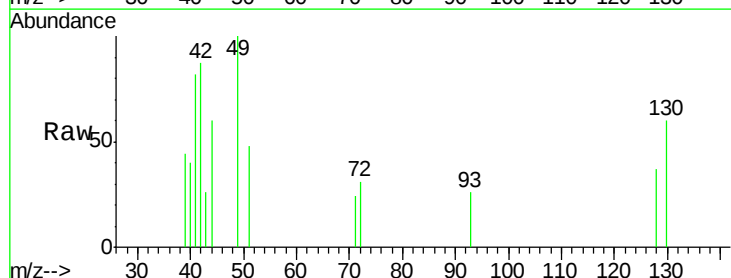
Manual Integrations
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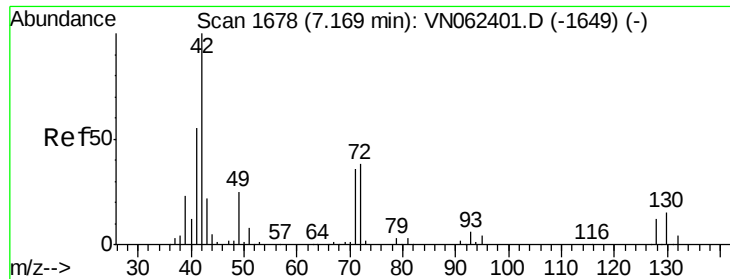
MMDadoda
 7/9/2020 10:55:03 AM



#28
 Bromochloromethane
 Concen: 0.759 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	53.2	46.5	69.7





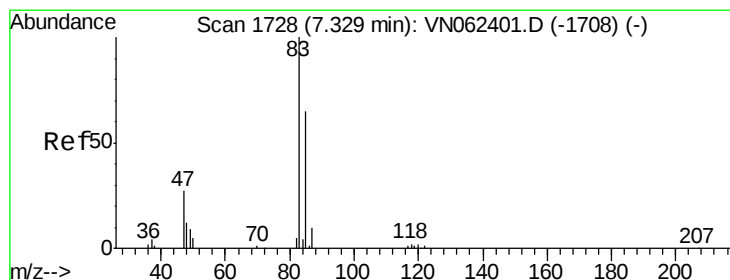
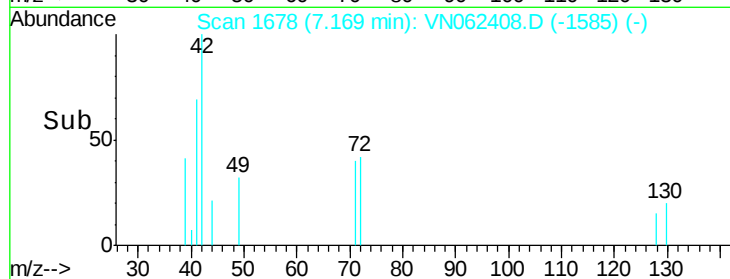
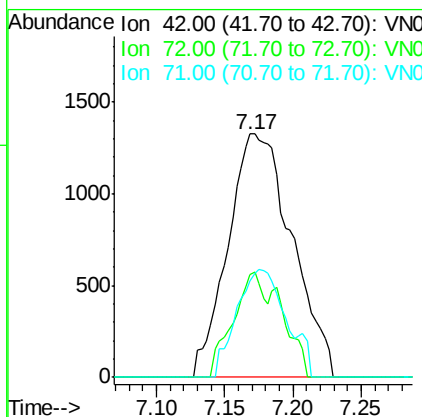
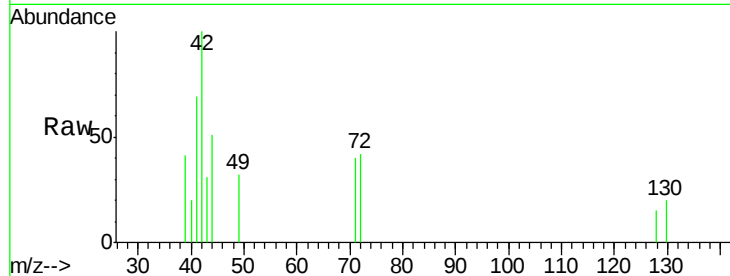
#29
Tetrahydrofuran
Concen: 3.678 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	21.7	29.1	43.7#
71	34.5	28.1	42.1

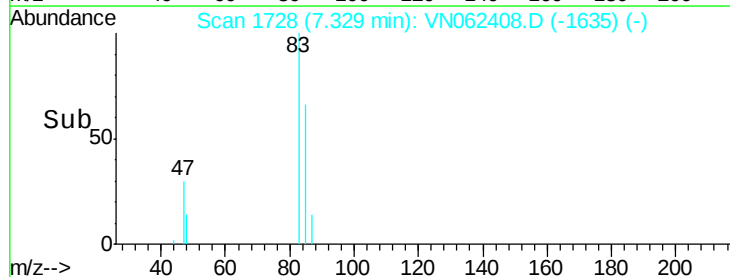
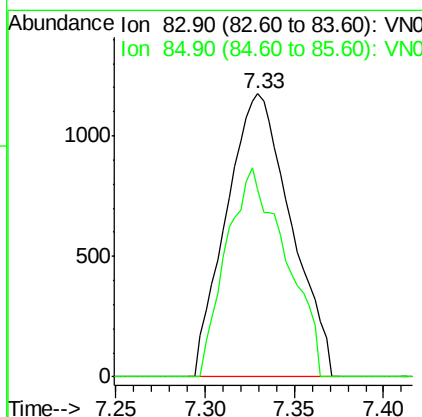
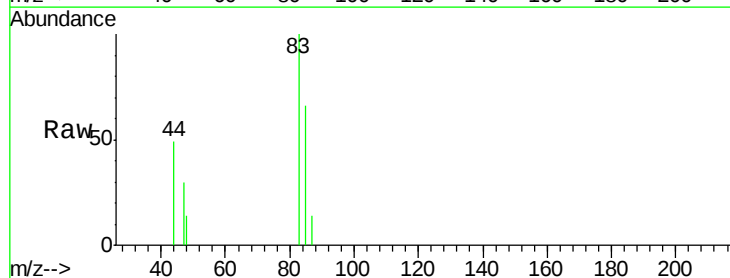
Manual Integrations
APPROVED

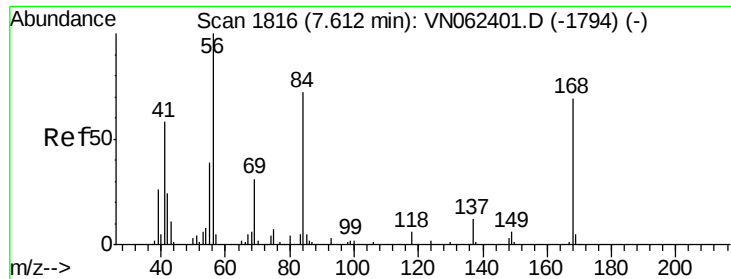
MMDadoda
7/9/2020 10:55:03 AM



#30
Chloroform
Concen: 0.727 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6





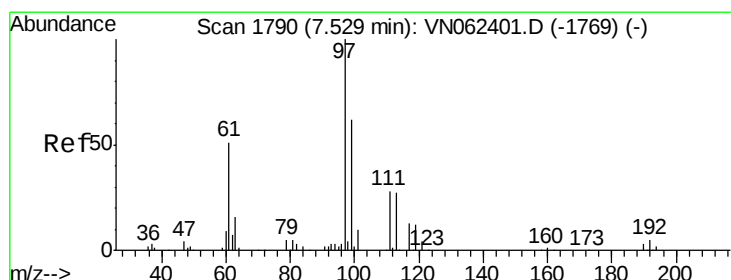
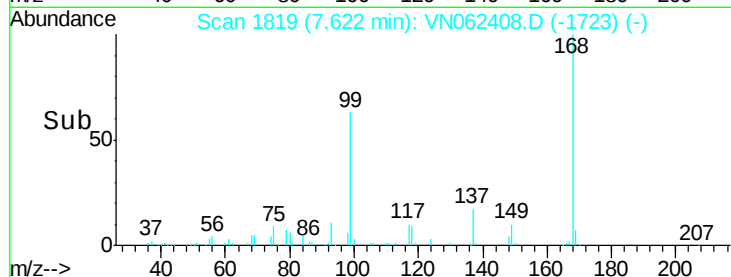
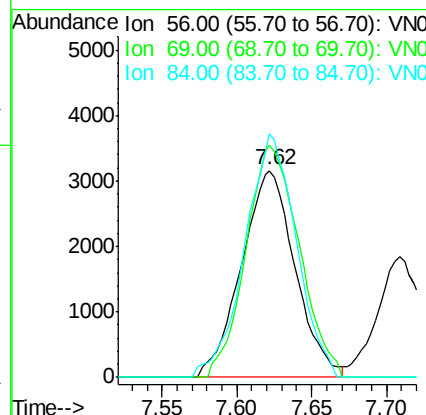
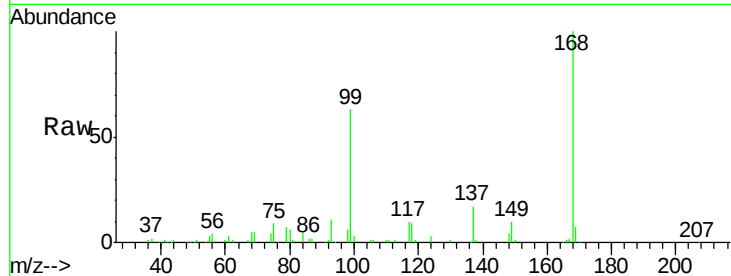
#31
Cyclohexane
Concen: 1.840 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	112.6	24.5	36.7#
84	117.8	57.4	86.2#

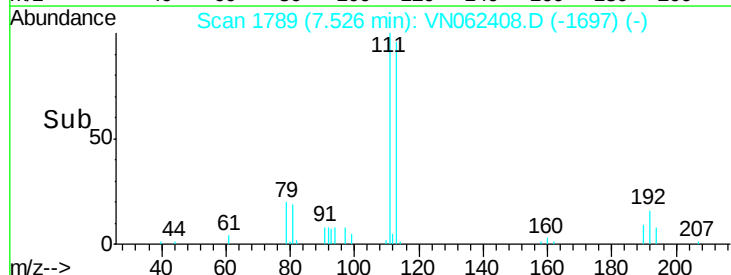
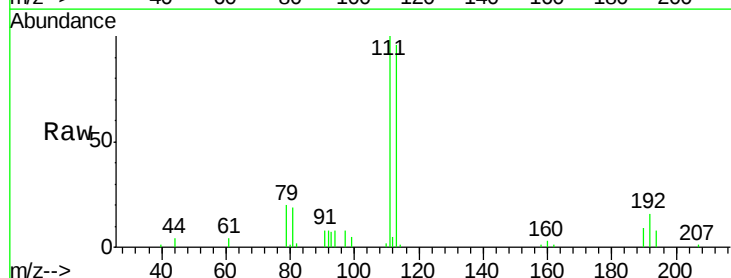
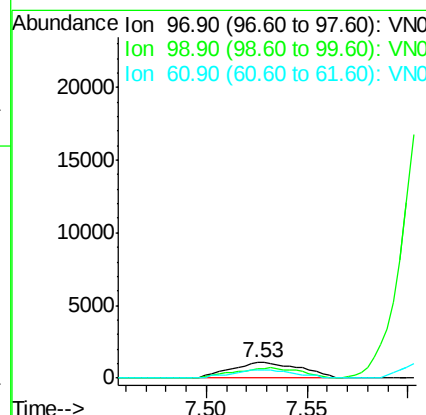
Manual Integrations
APPROVED

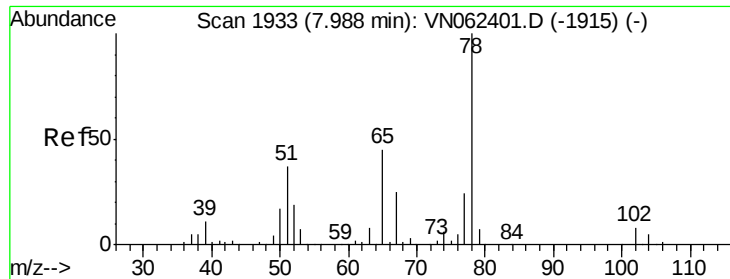
MMDadoda
7/9/2020 10:55:03 AM



#32
1,1,1-Trichloroethane
Concen: 0.761 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	47.0	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 53.191 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 149784

Ion Ratio Lower Upper

65 100

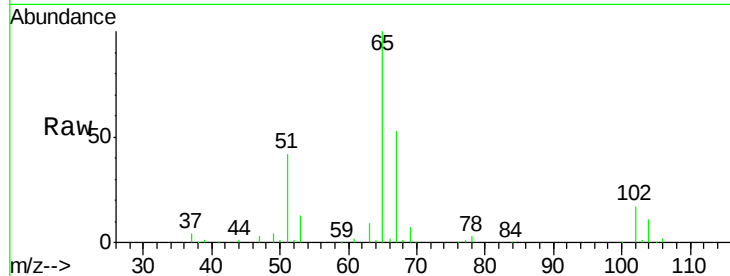
67 53.2 0.0 107.6

Manual Integrations

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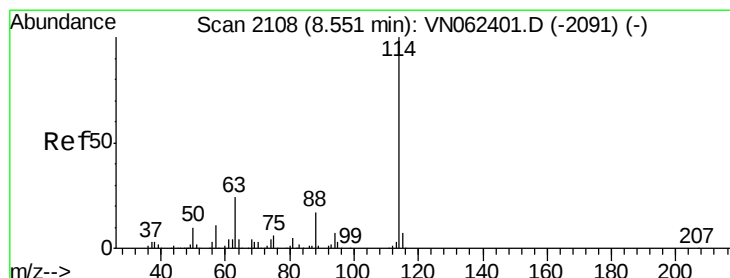
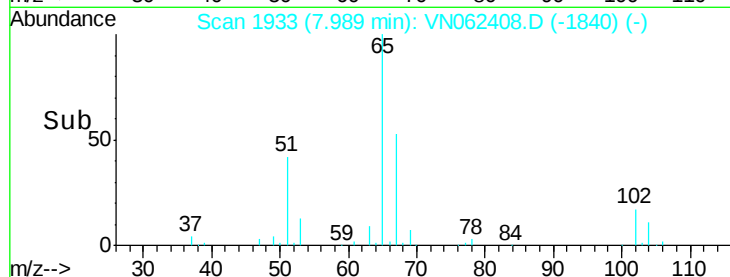
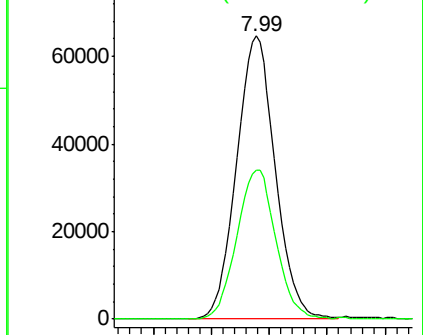
MMDadoda

7/9/2020 10:55:03 AM



Abundance Ion 64.90 (64.60 to 65.60): VN062408.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062408.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

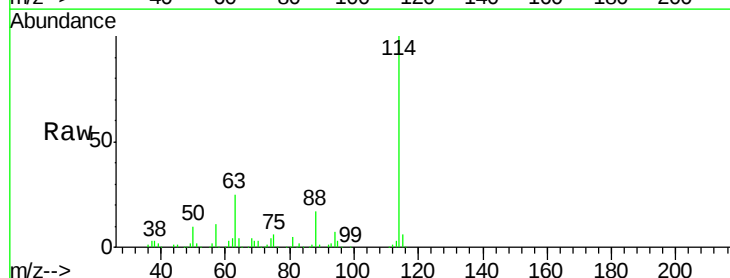
Tgt Ion: 114 Resp: 322295

Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.4

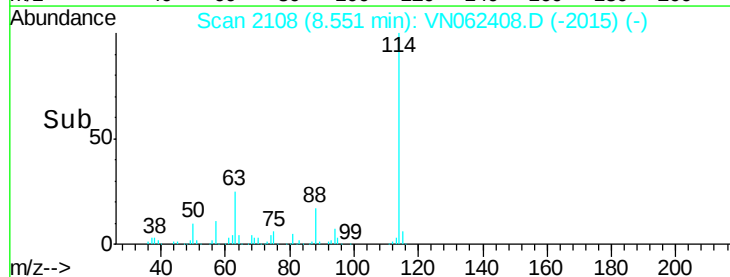
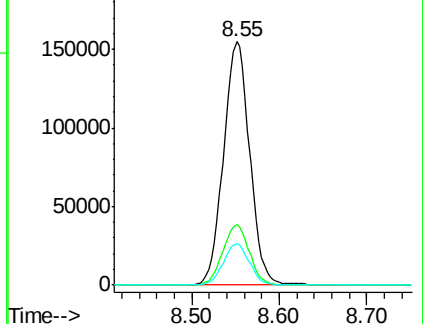
88 16.8 0.0 33.8

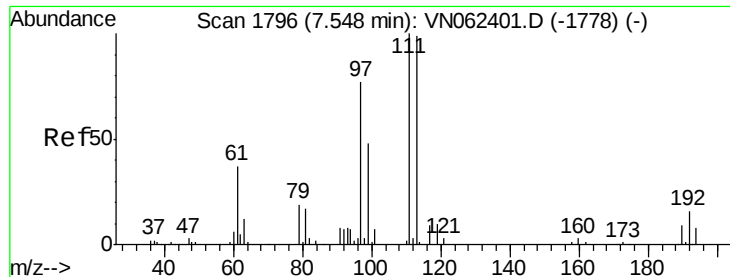


Abundance Ion 113.90 (113.60 to 114.60): VN062408.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN062408.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN062408.D (-2155) (-)





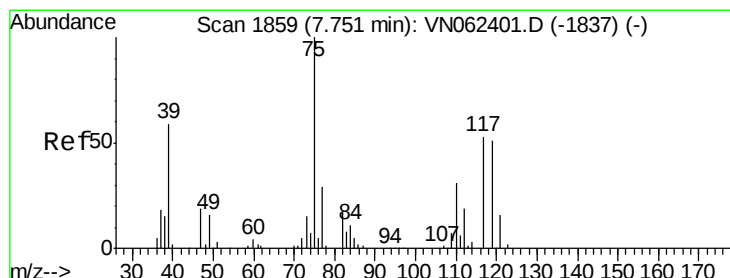
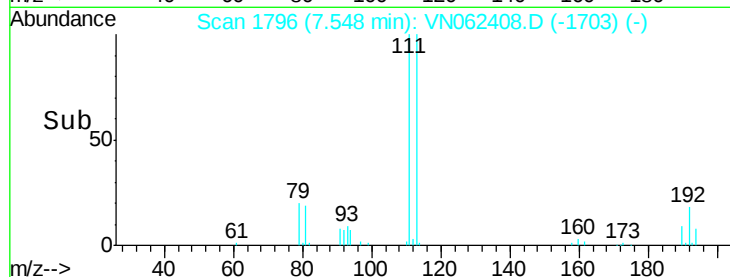
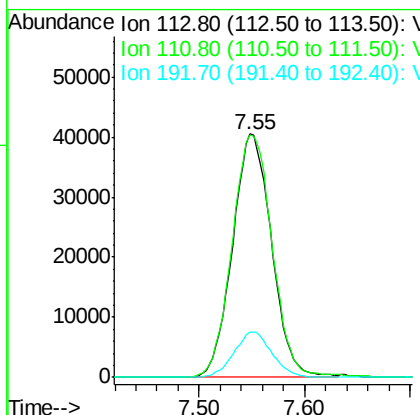
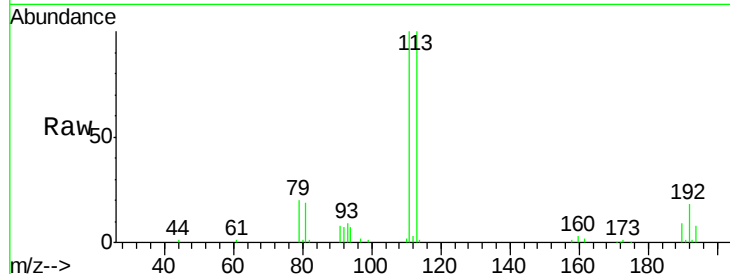
#35
 Dibromofluoromethane
 Concen: 52.234 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	83.1	124.7	
192	18.1	14.1	21.1	

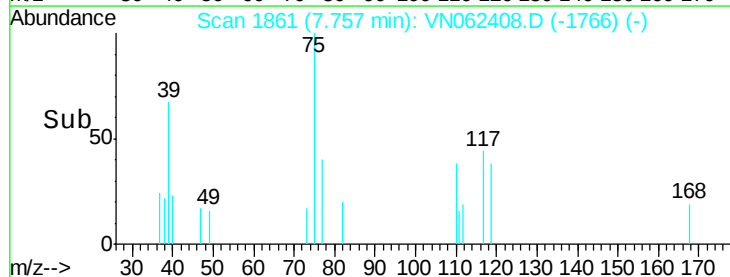
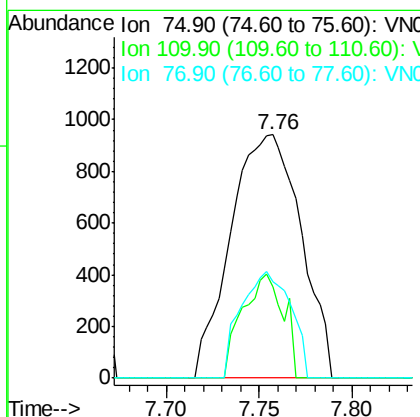
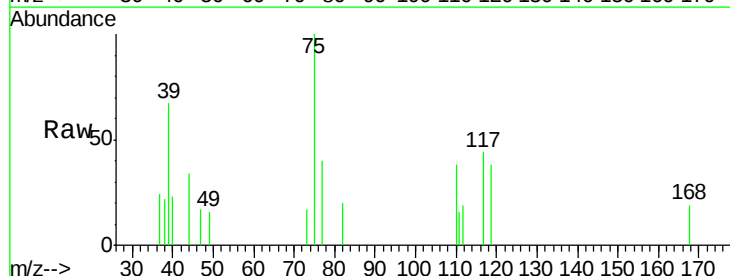
Manual Integrations
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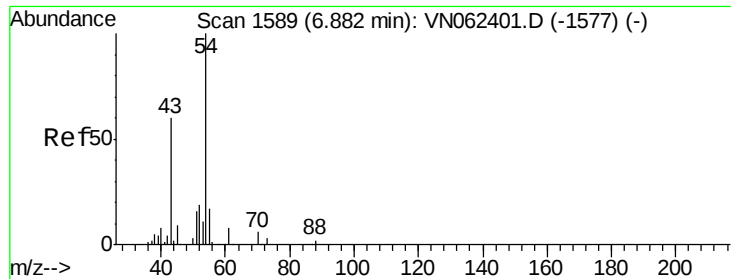
MMDadoda
 7/9/2020 10:55:03 AM



#36
 1,1-Dichloropropene
 Concen: 0.766 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	24.9	15.4	46.2	
77	30.8	24.1	36.1	





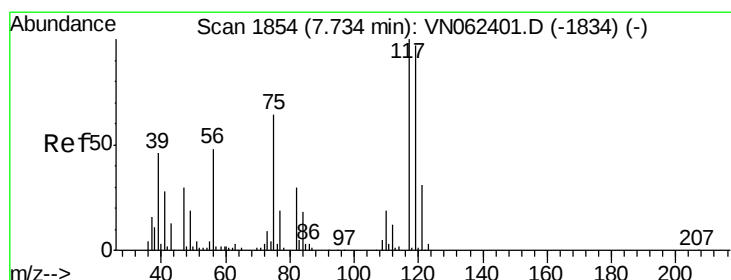
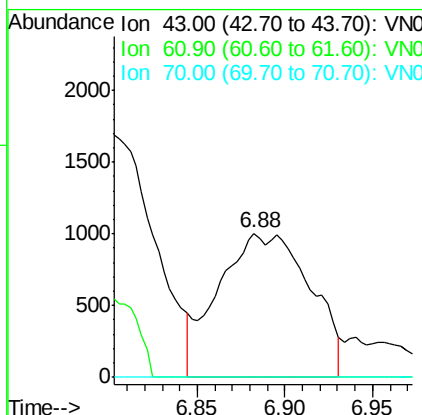
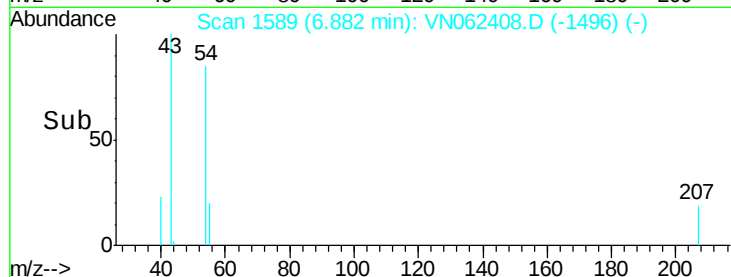
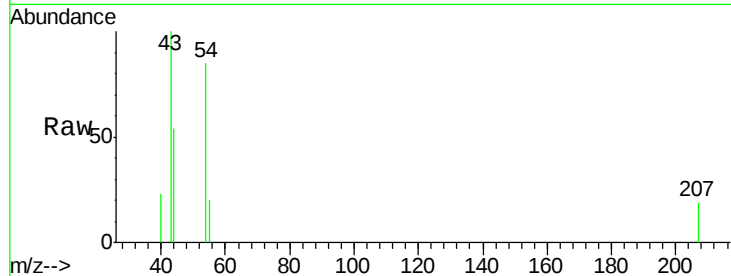
#37
Ethyl Acetate
Concen: 0.964 ug/l m
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.2	10.8#

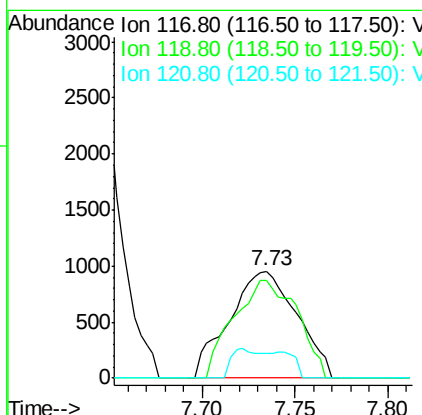
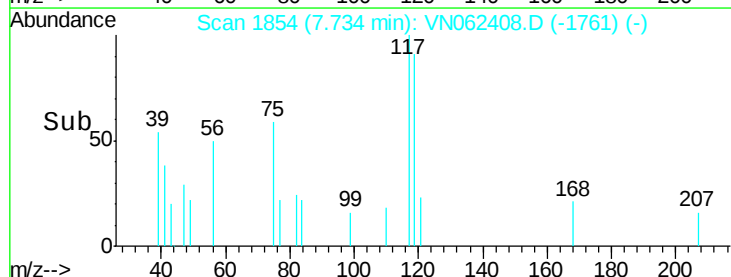
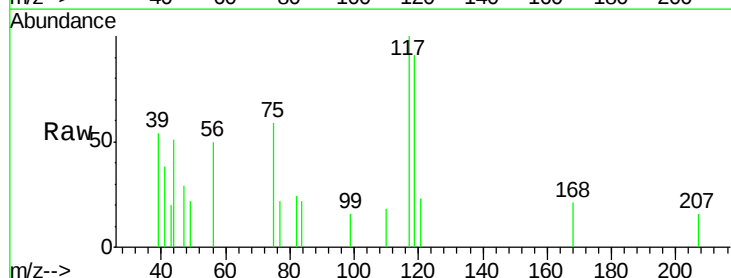
Manual Integrations
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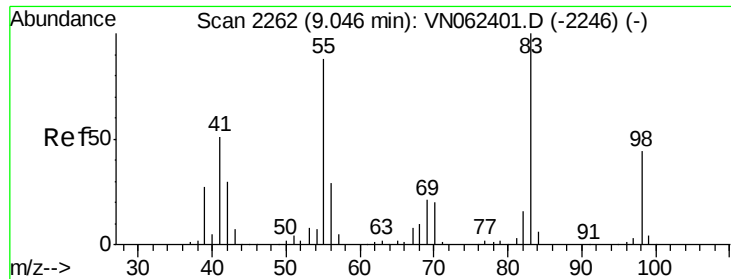
MMDadoda
7/9/2020 10:55:03 AM



#38
Carbon Tetrachloride
Concen: 0.831 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	77.2	115.8
121	23.1	24.8	37.2#





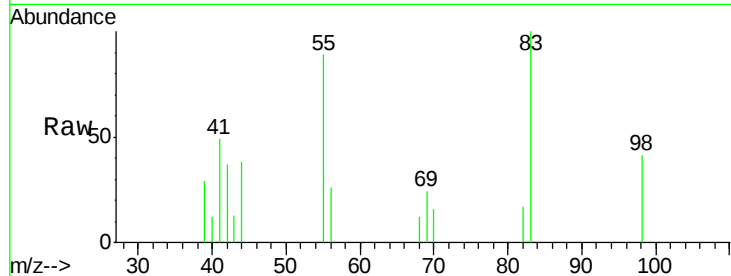
#39
Methvlcvclohexane
Concen: 0.783 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

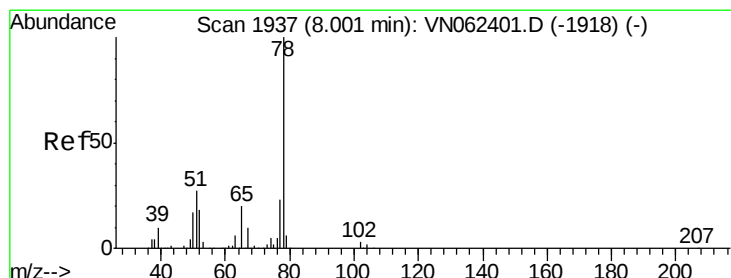
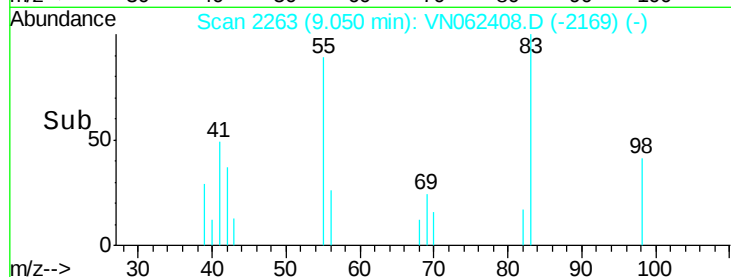
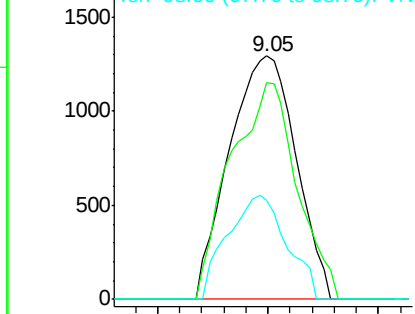
Tot Ion: 83 Resp: 2713
Ion Ratio Lower Upper
83 100
55 88.8 70.5 105.7
98 40.8 35.5 53.3

Manual Integrations
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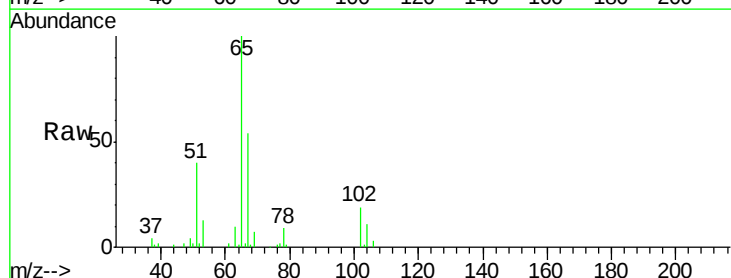


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

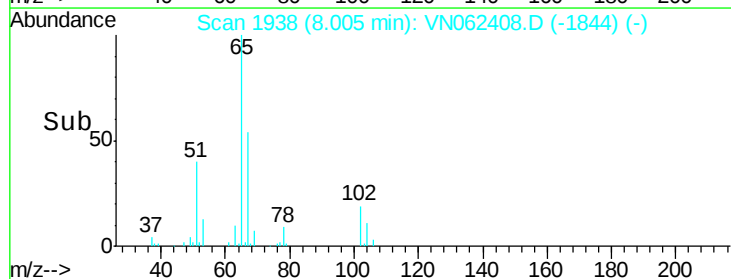
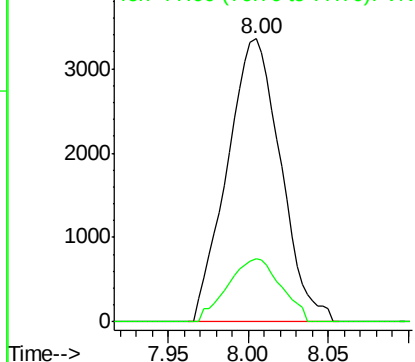


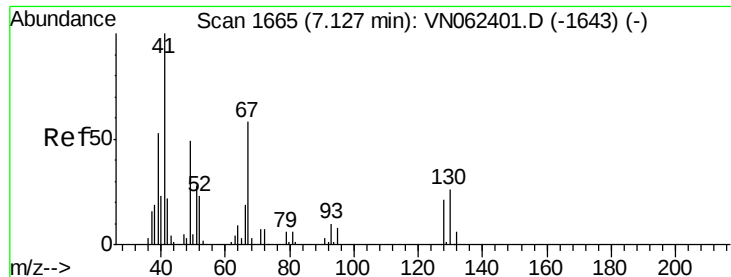
#40
Benzene
Concen: 0.802 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 78 Resp: 7671
Ion Ratio Lower Upper
78 100
77 22.1 18.7 28.1



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





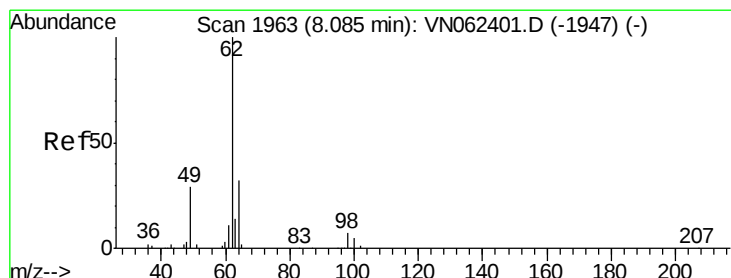
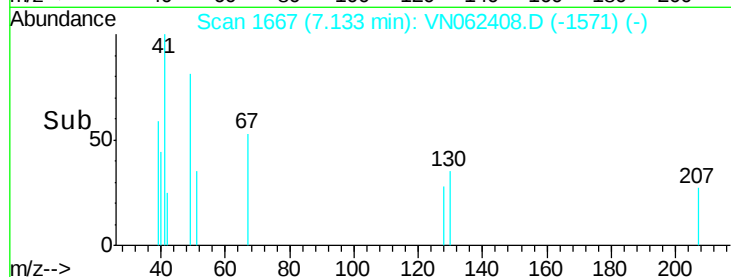
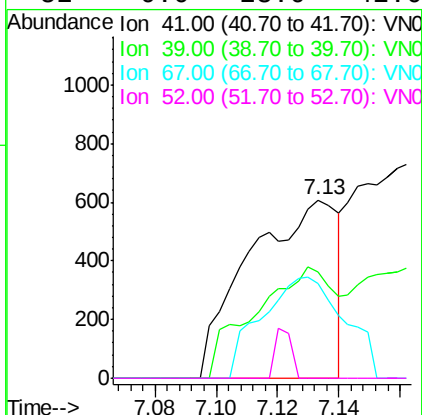
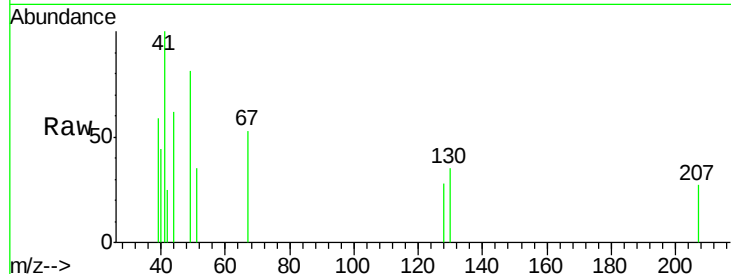
#41
Methacrylonitrile
Concen: 0.765 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	50.2	75.2
67	53.5	64.2	96.2#
52	0.0	28.0	42.0#

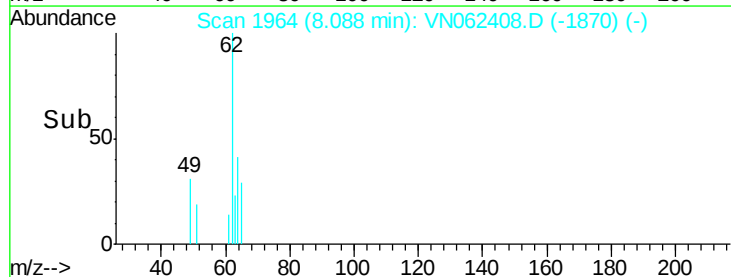
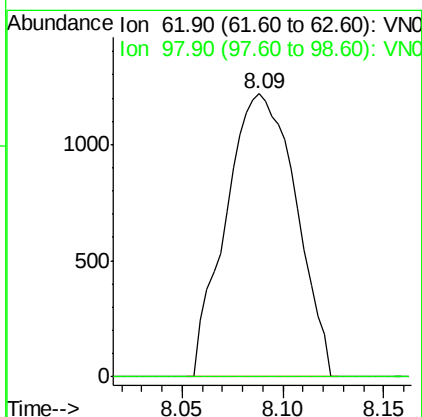
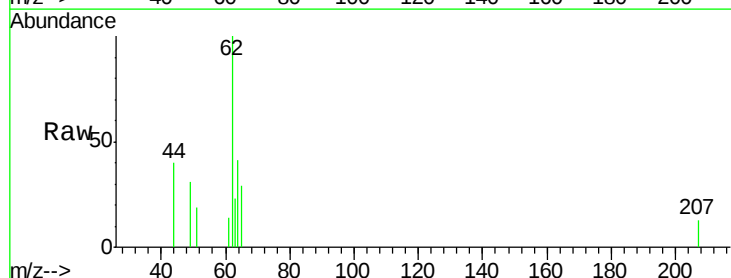
Manual Integrations
APPROVED

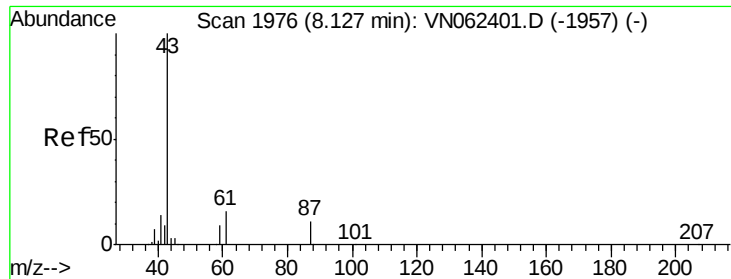
MMDadoda
7/9/2020 10:55:03 AM



#42
1,2-Dichloroethane
Concen: 0.838 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8





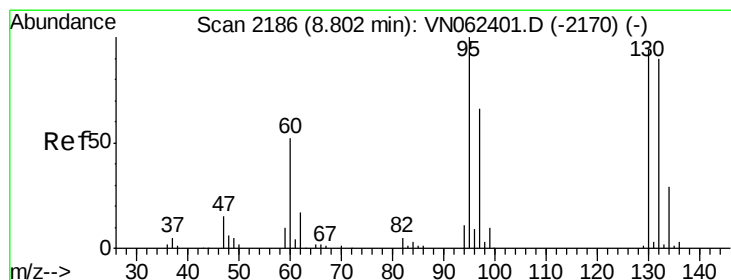
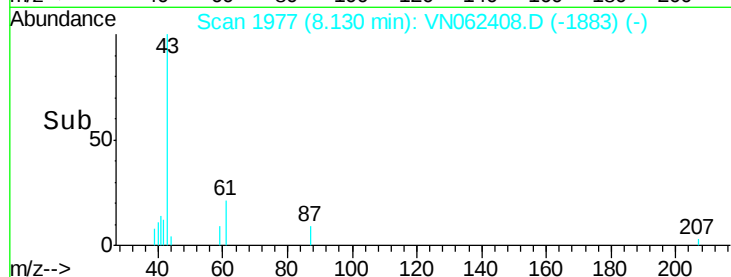
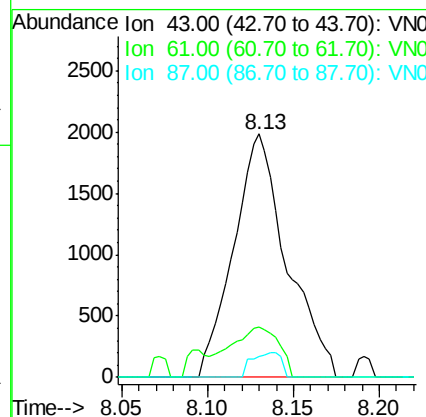
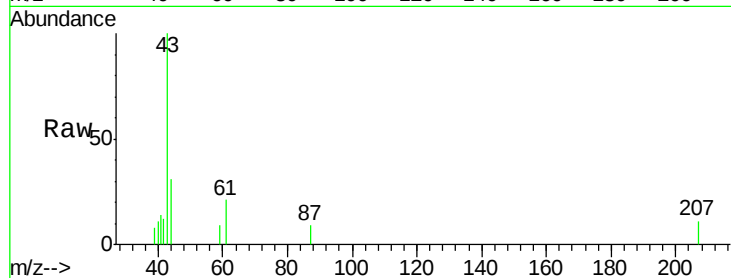
#43
Isopropyl Acetate
Concen: 0.711 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	19.3	28.9#
87	5.6	8.6	13.0#

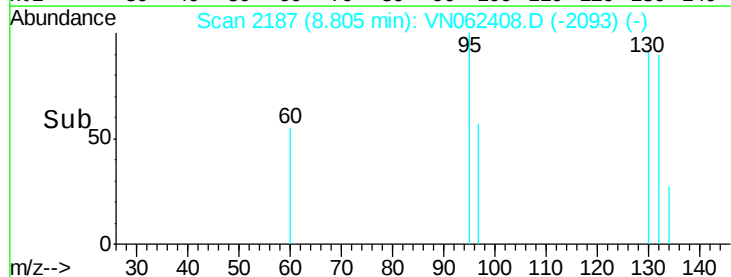
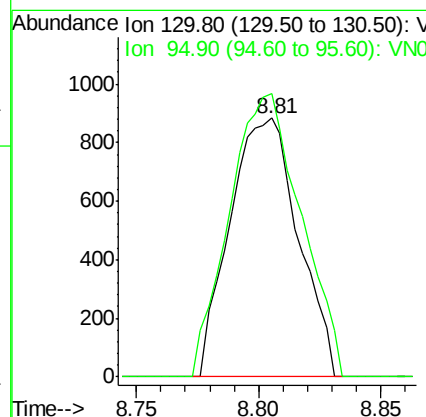
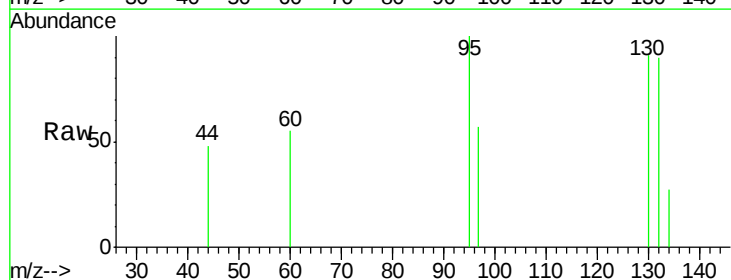
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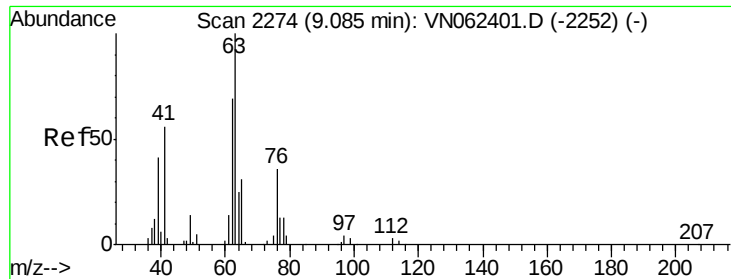
MMDadoda
7/9/2020 10:55:03 AM



#44
Trichloroethene
Concen: 0.807 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	213.8





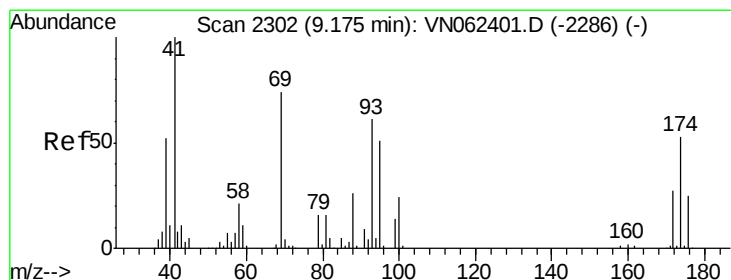
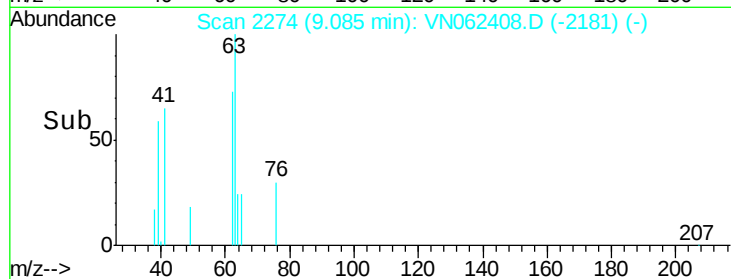
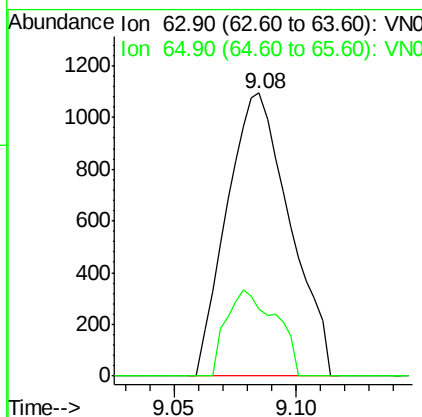
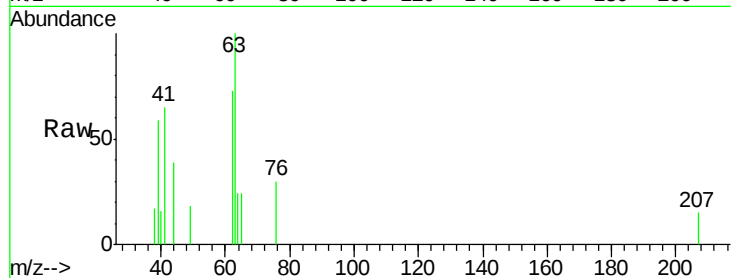
#45
 1,2-Dichloropropane
 Concen: 0.705 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 1958
 Ion Ratio Lower Upper
 63 100
 65 23.6 24.6 36.8#

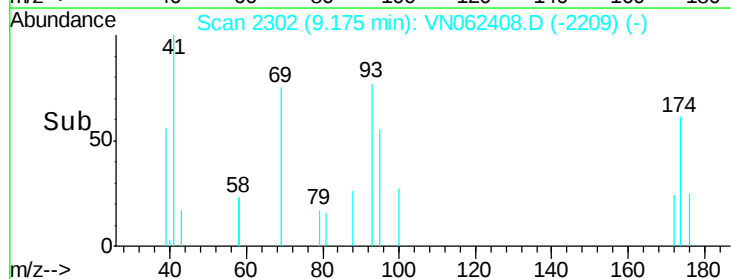
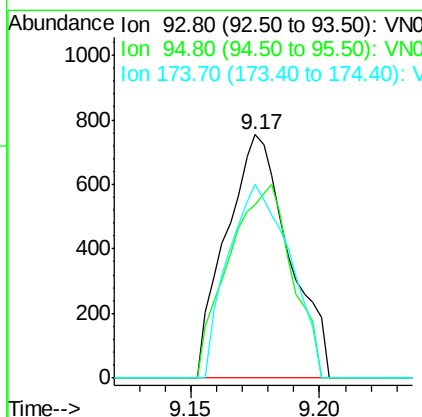
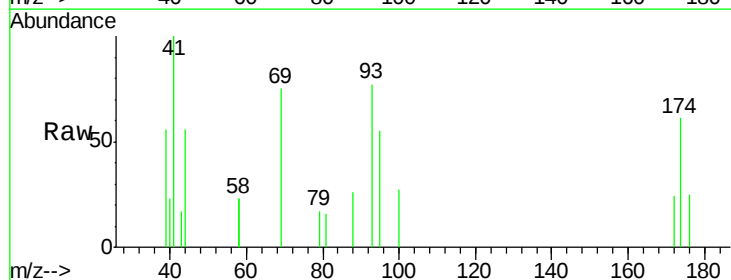
Manual Integrations
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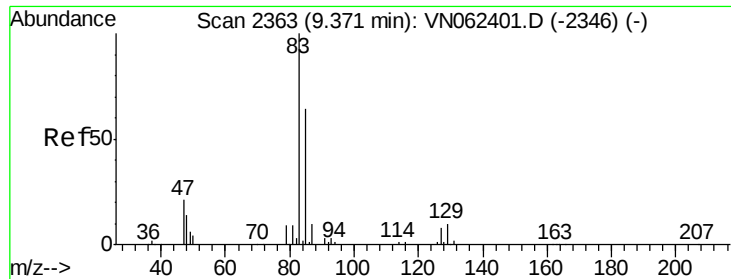
MMDadoda
 7/9/2020 10:55:03 AM



#46
 Dibromomethane
 Concen: 0.816 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 93 Resp: 1280
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.1 100.7
 174 78.2 70.4 105.6





#47

Bromodichloromethane

Concen: 0.779 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

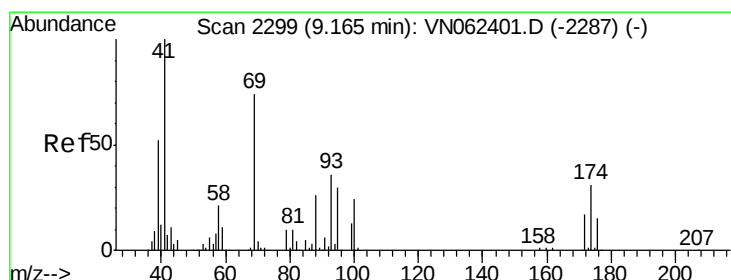
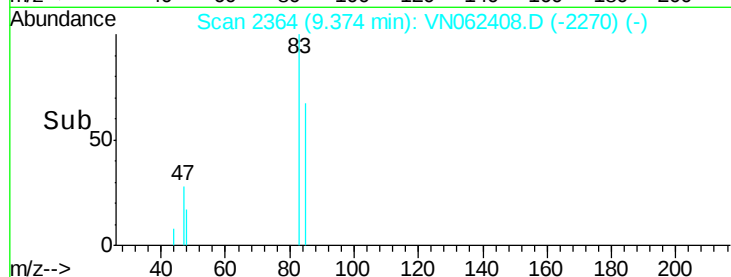
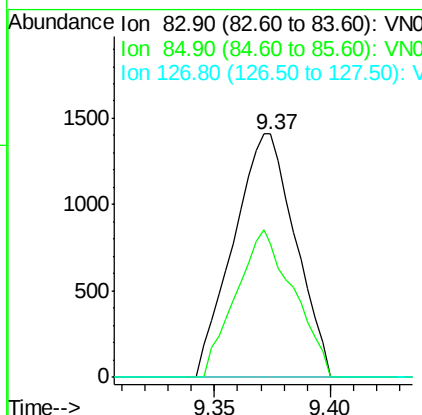
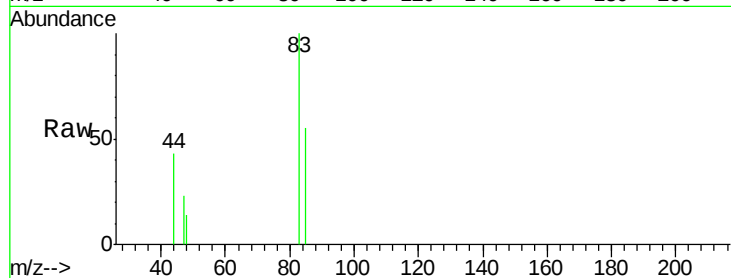
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	2611
Ion	Ratio	Lower	Upper
83	100		
85	54.8	51.2	76.8
127	0.0	6.2	9.2#

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#48

Methyl methacrylate

Concen: 0.736 ug/l

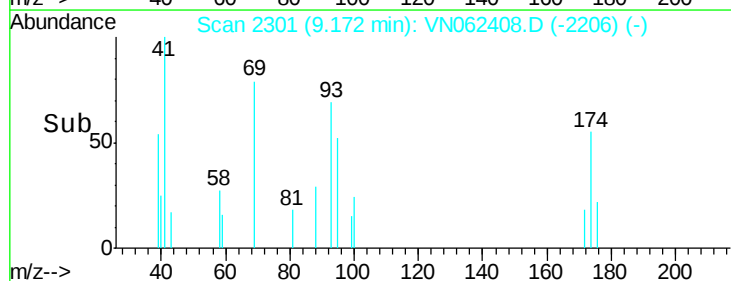
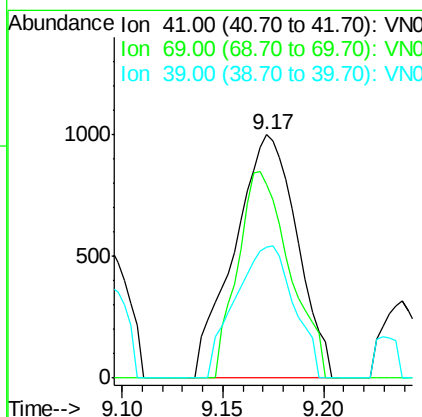
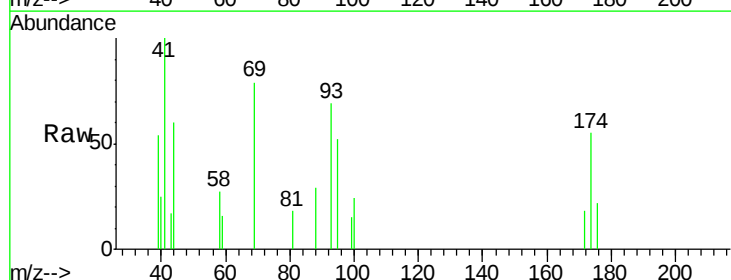
RT: 9.17 min Scan# 2301

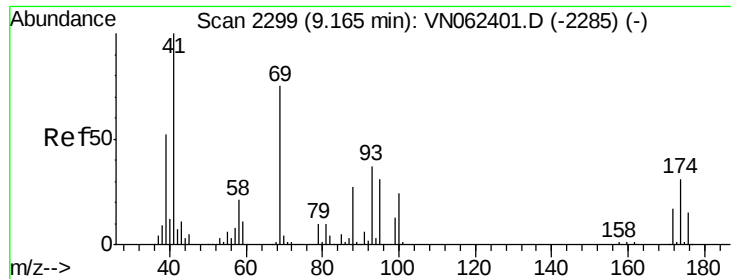
Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion:	41	Resp:	2164
Ion	Ratio	Lower	Upper
41	100		
69	70.6	60.8	91.2
39	50.8	43.5	65.3





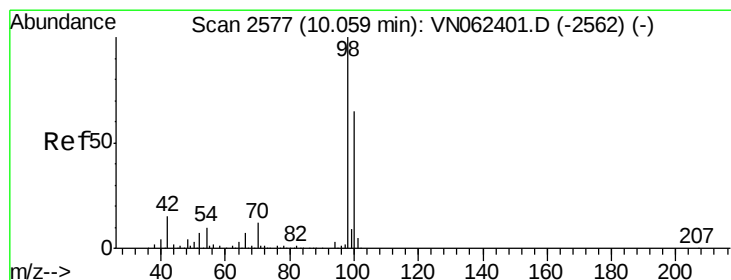
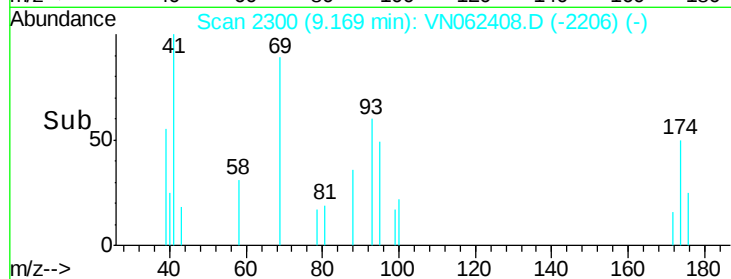
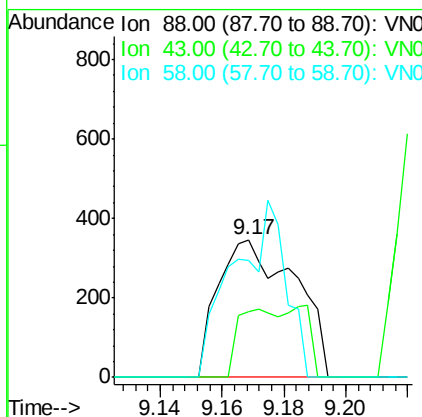
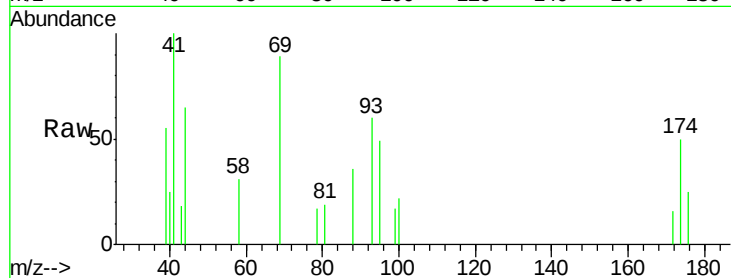
#49
1,4-Dioxane
Concen: 13.964 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	31.0	46.4#
58	87.1	63.3	94.9

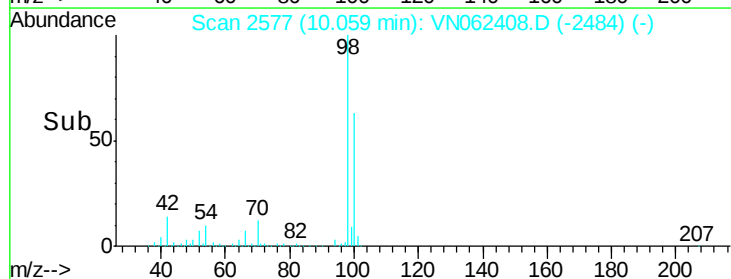
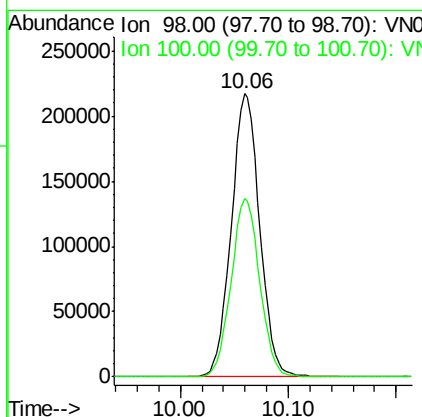
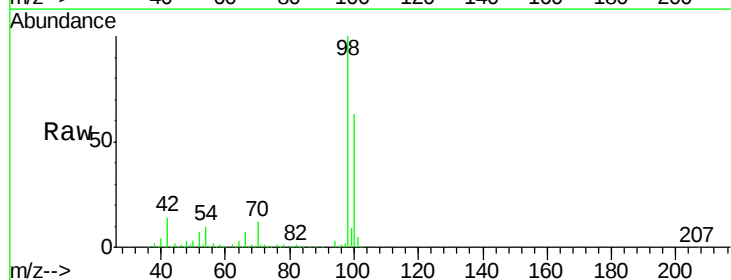
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#50
Toluene-d8
Concen: 50.701 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 3.532 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 12655

Ion Ratio Lower Upper

43 100

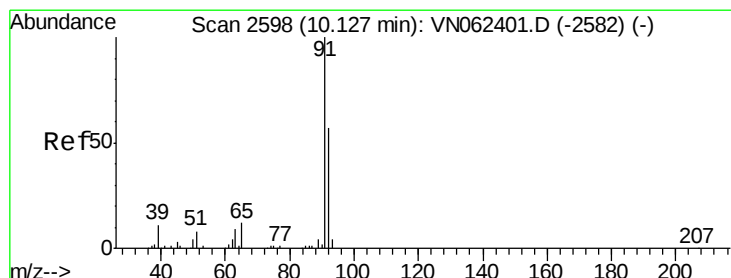
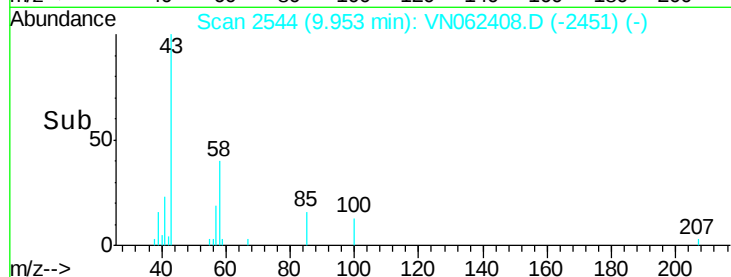
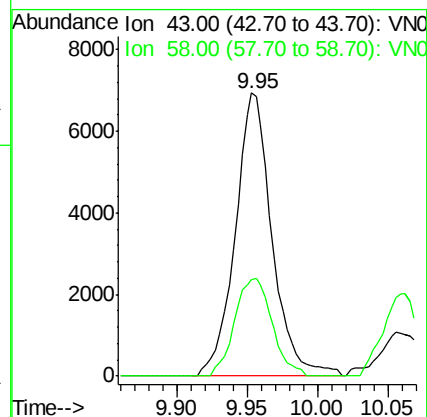
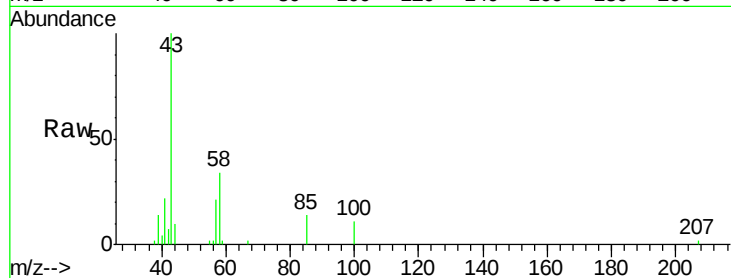
58 35.1 29.0 43.6

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#52

Toluene

Concen: 0.829 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062408.D

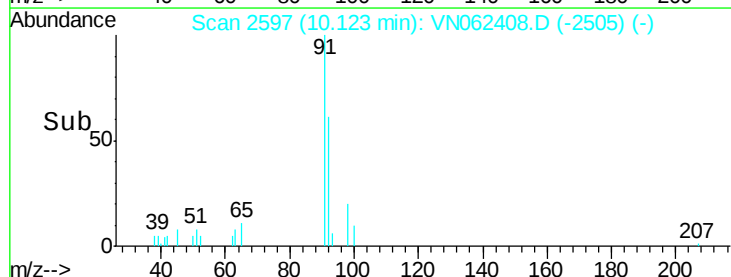
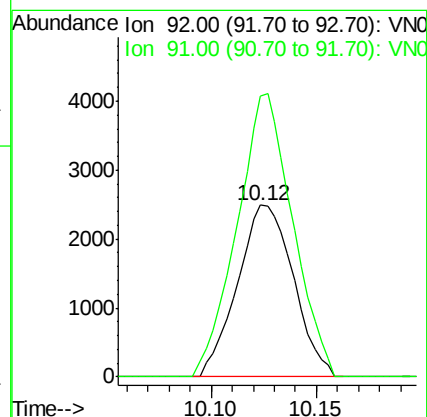
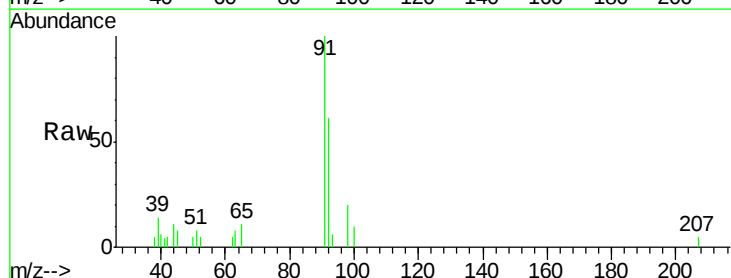
Acq: 8 Jul 2020 15:25

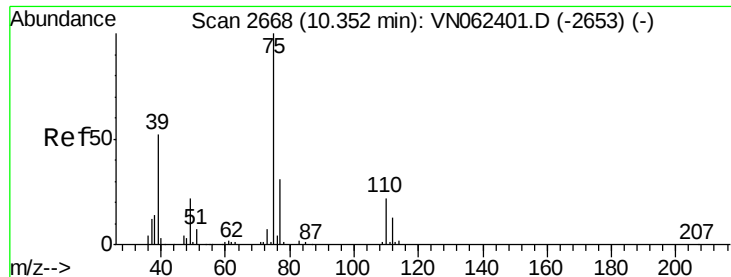
Tgt Ion: 92 Resp: 4585

Ion Ratio Lower Upper

92 100

91 163.9 141.0 211.6





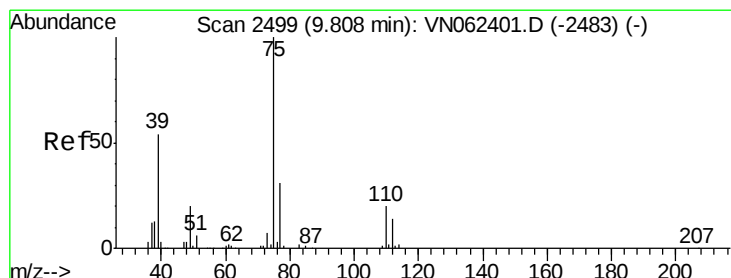
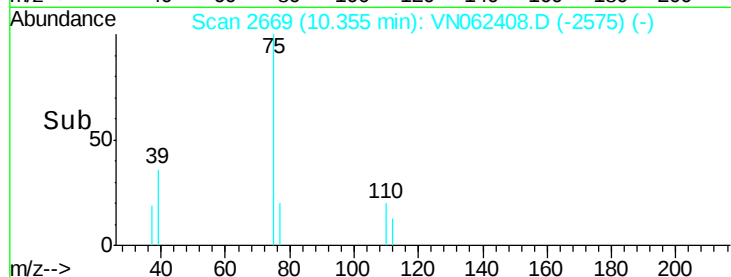
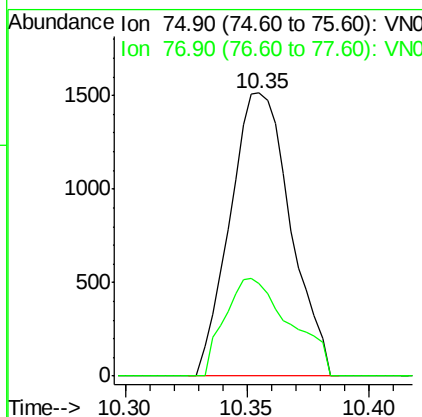
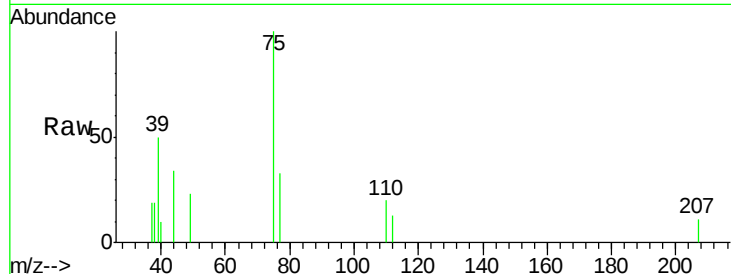
#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 2605
Ion Ratio Lower Upper
75 100
77 32.9 25.2 37.8

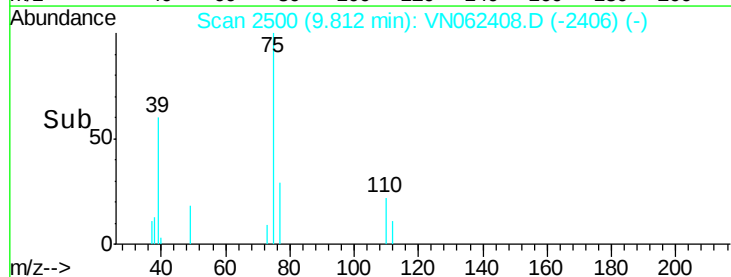
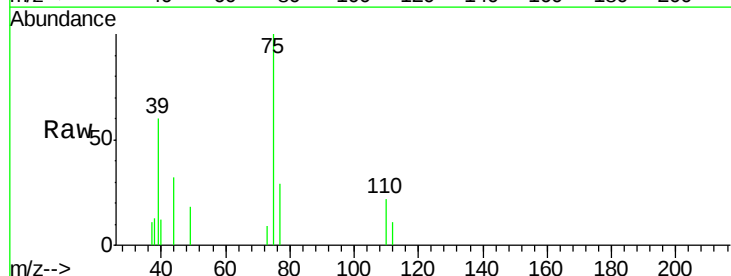
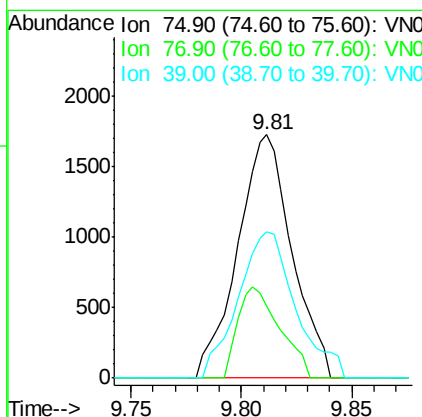
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#54
cis-1,3-Dichloropropene
Concen: 0.709 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 75 Resp: 2938
Ion Ratio Lower Upper
75 100
77 29.4 24.5 36.7
39 60.3 43.4 65.0





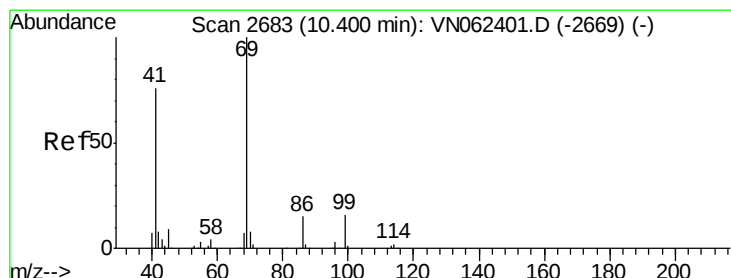
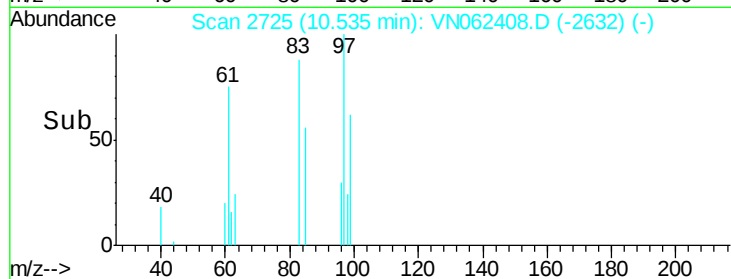
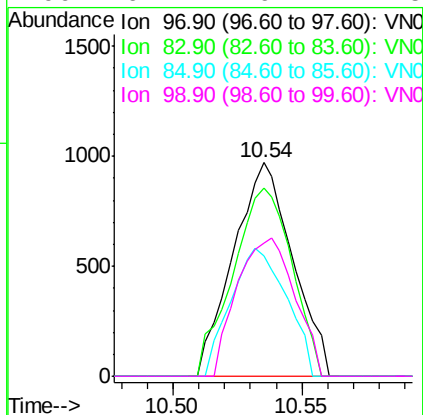
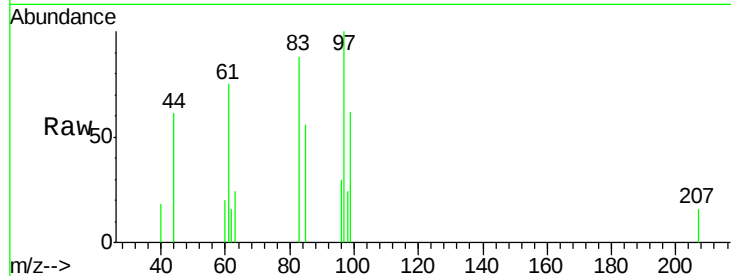
#55
 1,1,2-Trichloroethane
 Concen: 0.717 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:	97	Resp:	1559
Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.0	106.4
85	56.4	46.2	69.4
99	62.1	49.7	74.5

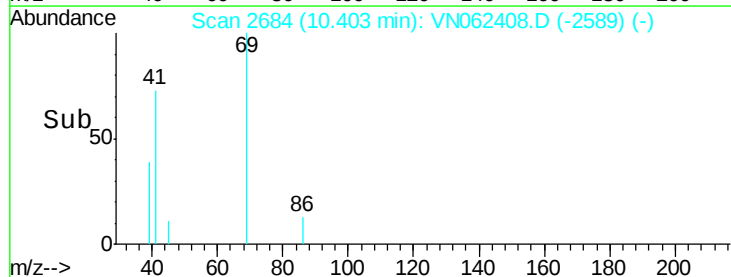
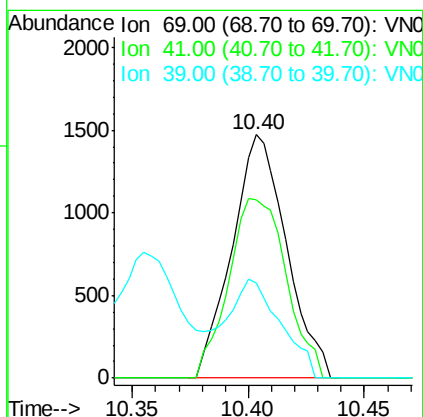
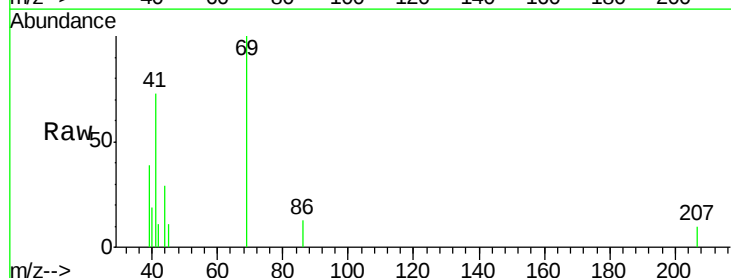
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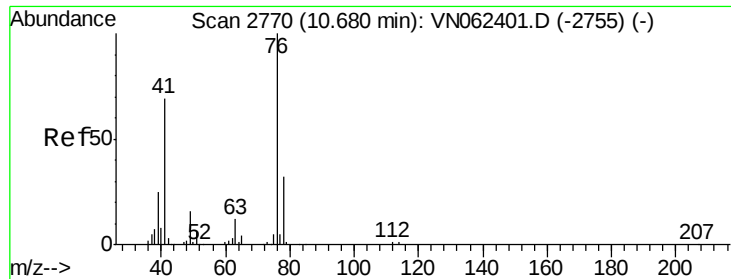
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 7/9/2020 10:55:03 AM



#56
 Ethyl methacrylate
 Concen: 0.661 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion:	69	Resp:	2400
Ion	Ratio	Lower	Upper
69	100		
41	78.0	59.7	89.5
39	39.1	30.6	45.8





#57

1,3-Dichloropropane

Concen: 0.696 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 2794

Ion Ratio Lower Upper

76 100

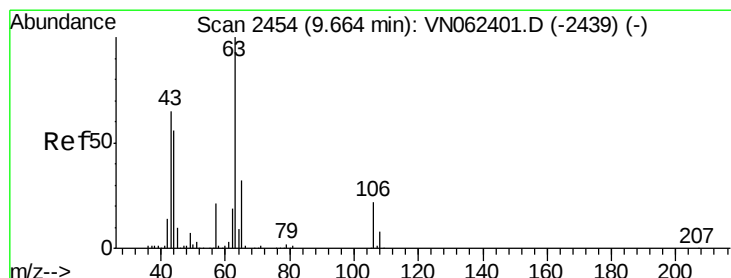
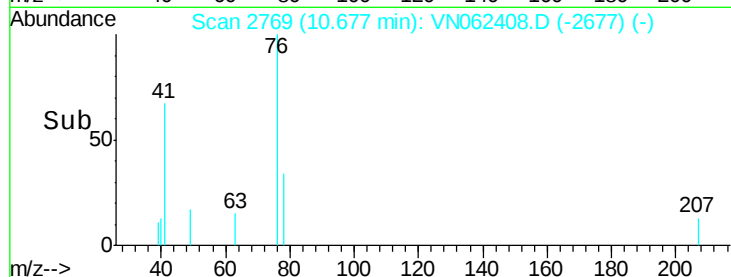
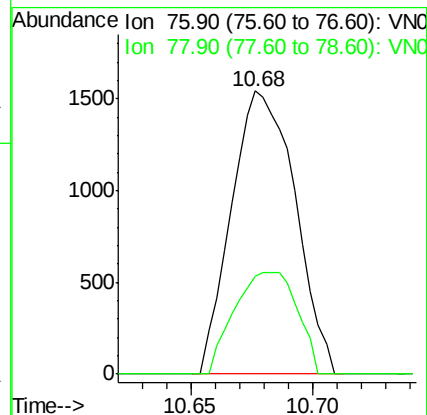
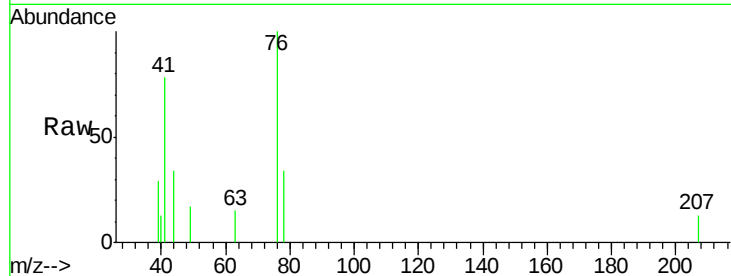
78 35.6 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 2.906 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN062408.D

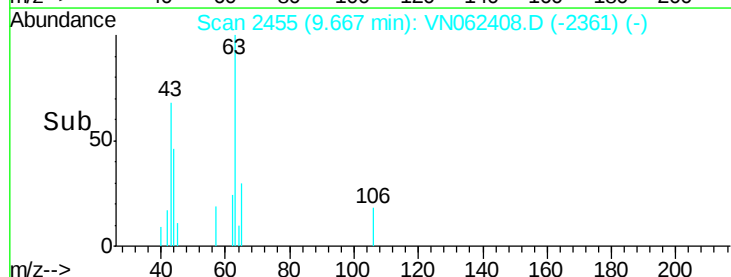
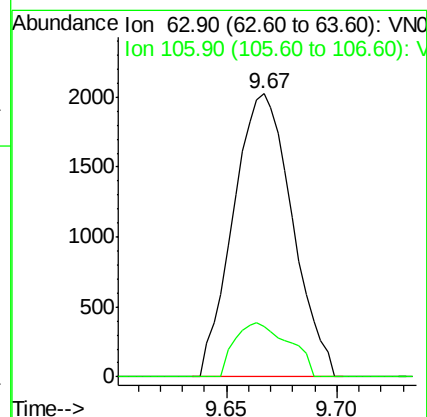
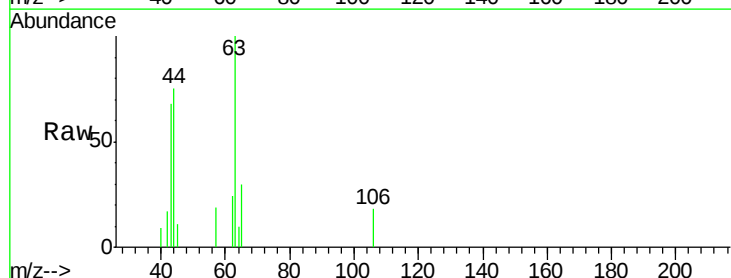
Acq: 8 Jul 2020 15:25

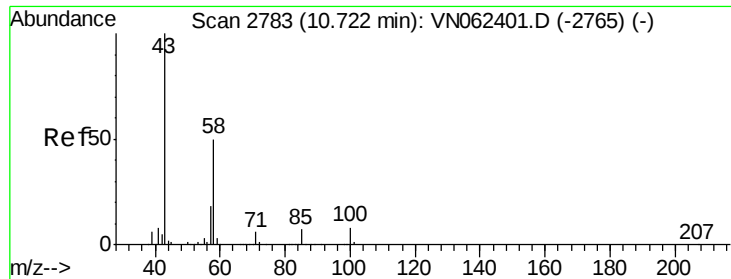
Tgt Ion: 63 Resp: 3748

Ion Ratio Lower Upper

63 100

106 17.6 17.6 26.4





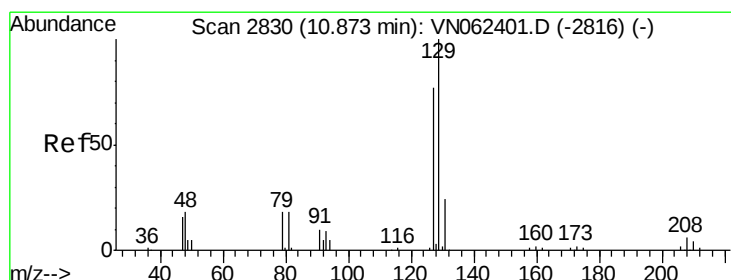
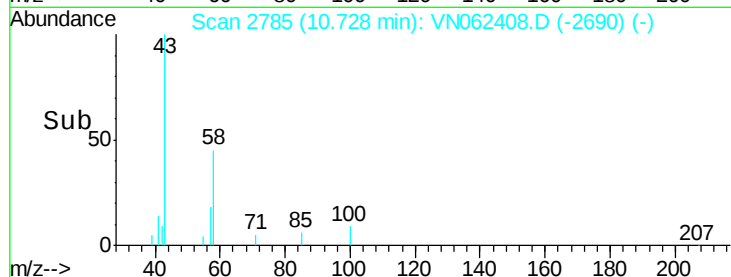
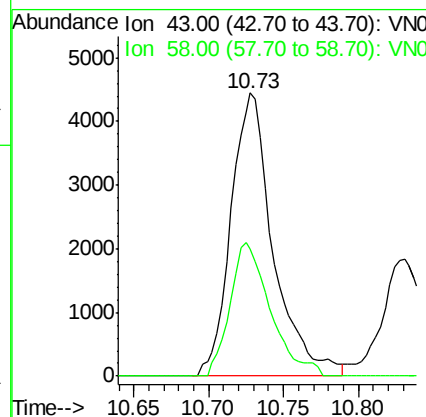
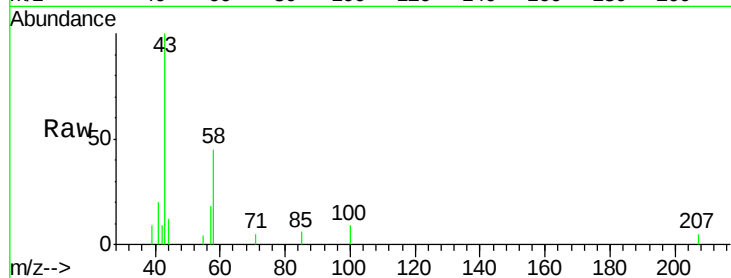
#59
2-Hexanone
Concen: 3.361 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 8742
Ion Ratio Lower Upper
43 100
58 45.1 25.1 75.2

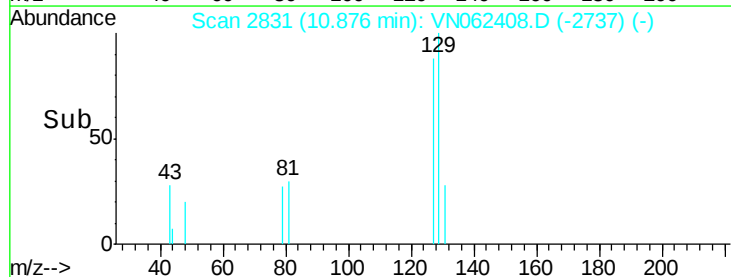
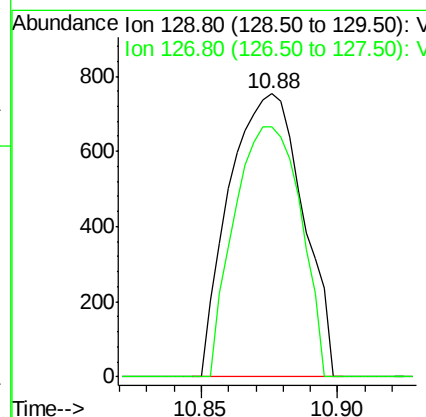
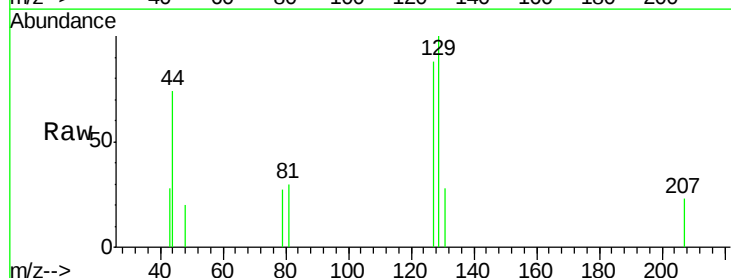
Manual Integrations
APPROVED

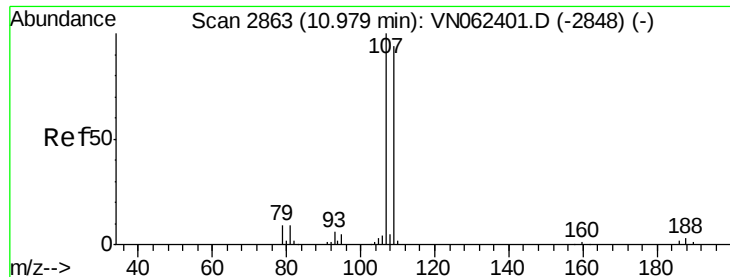
MMDadoda
7/9/2020 10:55:03 AM



#60
Dibromochloromethane
Concen: 0.598 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 129 Resp: 1409
Ion Ratio Lower Upper
129 100
127 79.6 38.6 115.8





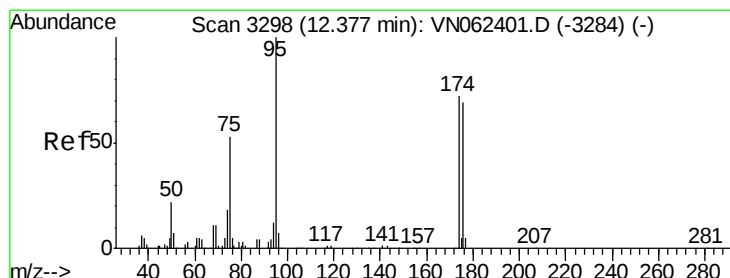
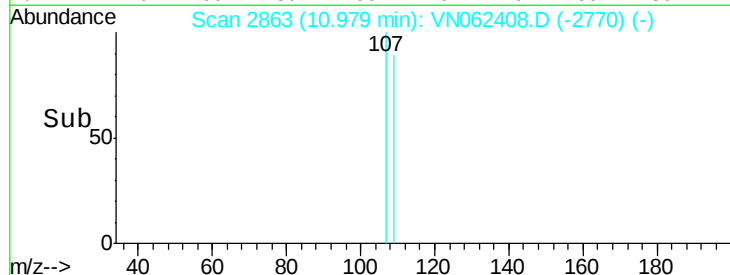
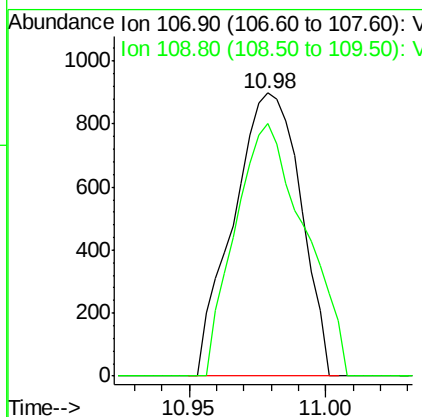
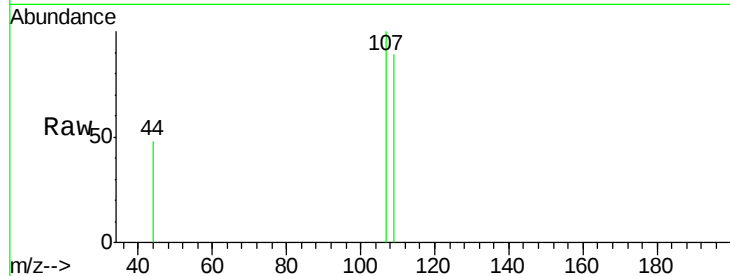
#61
 1,2-Dibromoethane
 Concen: 0.701 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion: 107 Resp: 1538
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.6 113.4

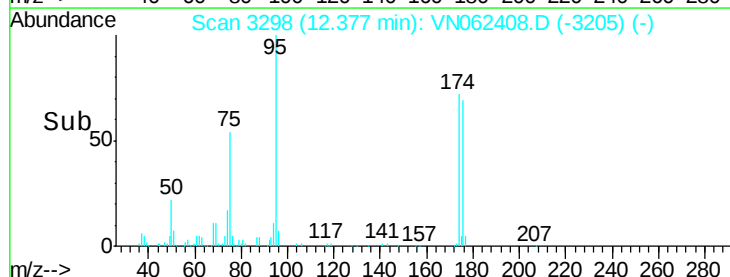
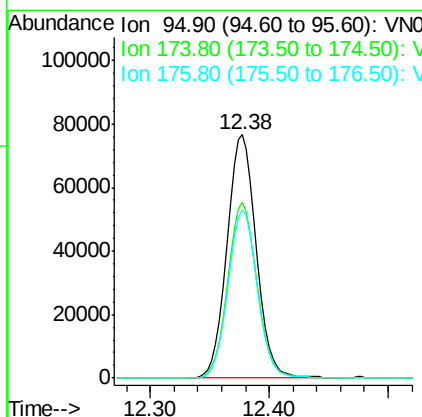
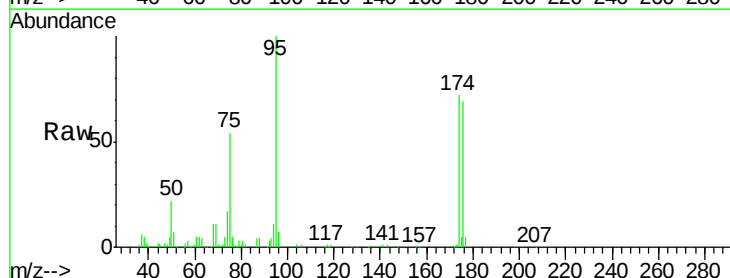
Manual Integrations
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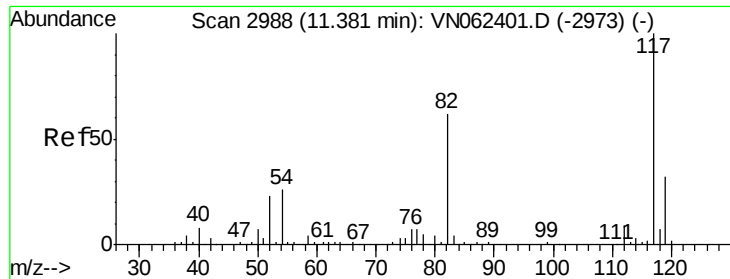
MMDadoda
 7/9/2020 10:55:03 AM



#62
 4-Bromofluorobenzene
 Concen: 45.390 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 95 Resp: 130452
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 141.6
 176 69.0 0.0 137.2





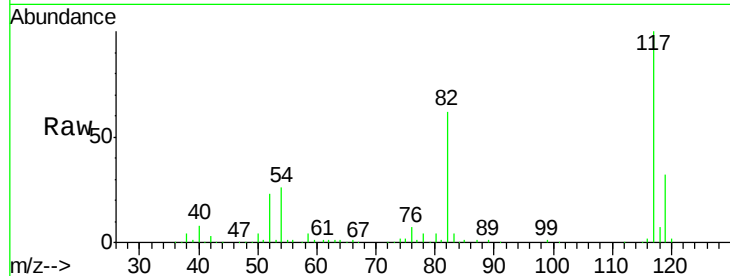
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	288966		
82	61.7	49.6	74.4	
119	31.8	25.4	38.0	

Manual Integrations
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MMDadoda
7/9/2020 10:55:03 AM

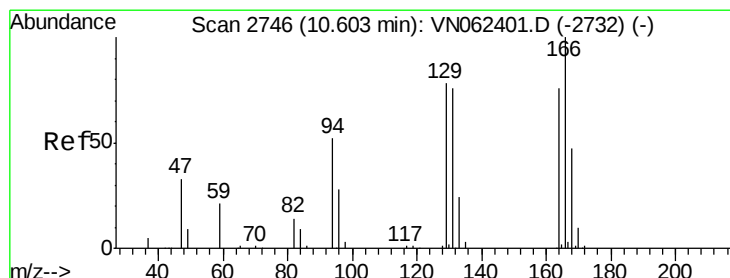
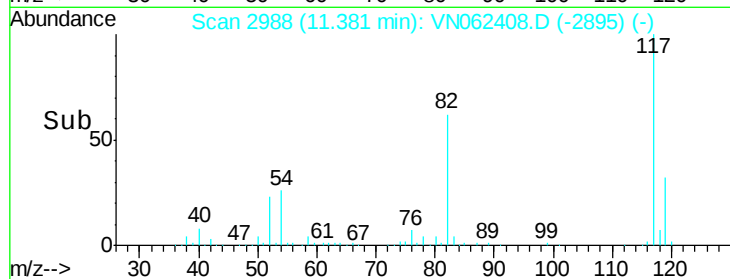
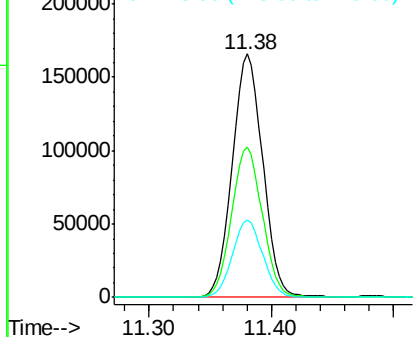


Abundance

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: 0.854 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1465		
166	119.9	104.9	157.3	
129	84.7	81.8	122.6	
131	73.6	79.3	118.9	

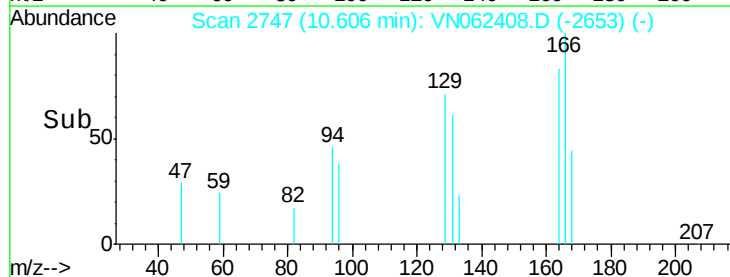
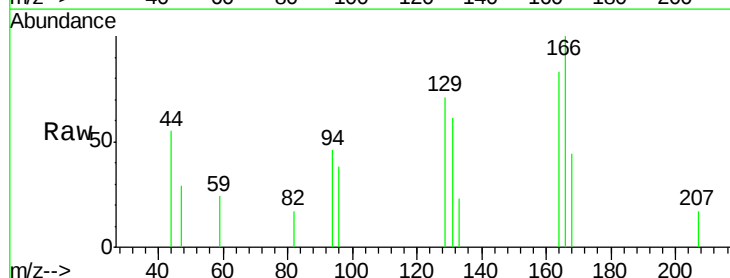
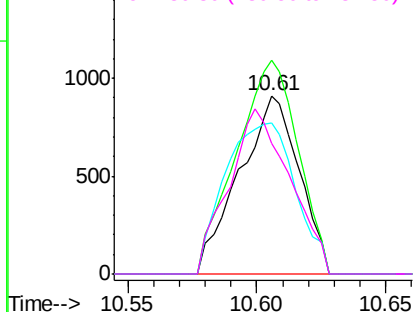
Abundance

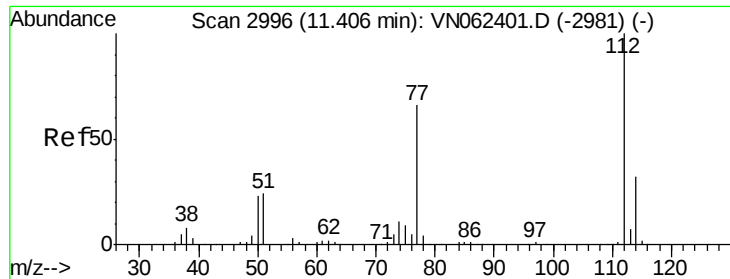
Ion 163.80 (163.50 to 164.50): V

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





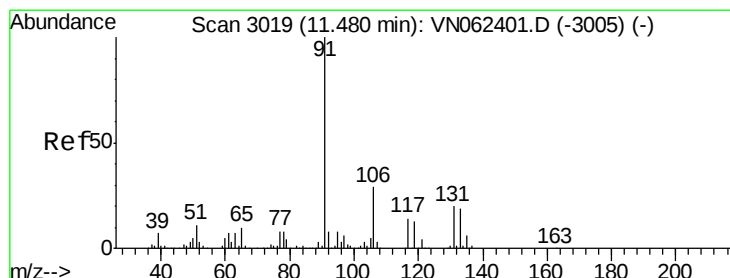
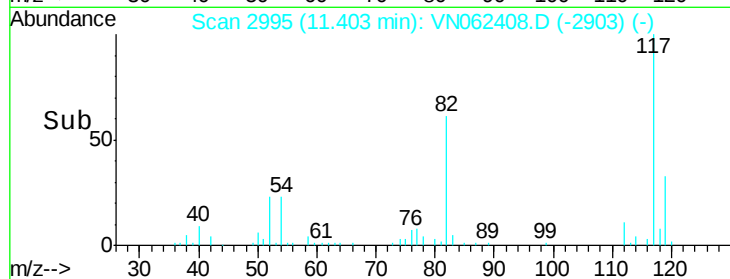
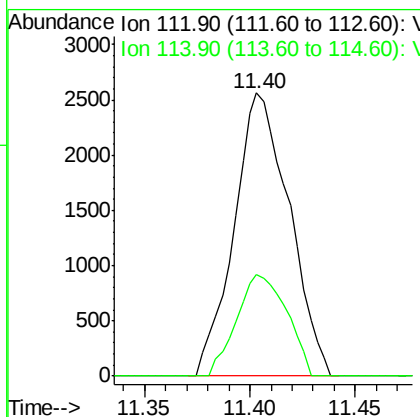
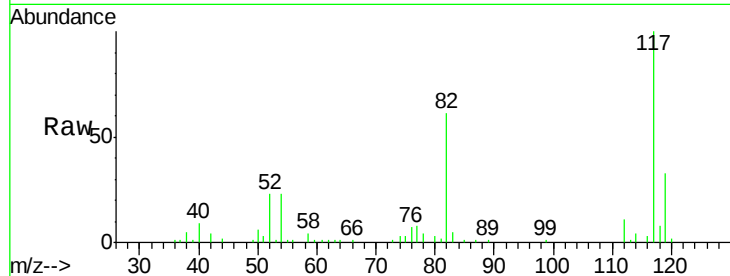
#65
Chlorobenzene
Concen: 0.828 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 4650
Ion Ratio Lower Upper
112 100
114 35.7 25.9 38.9

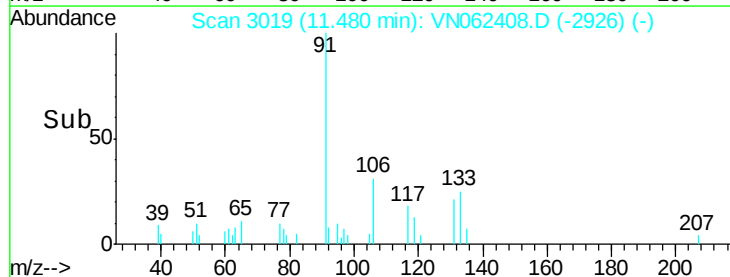
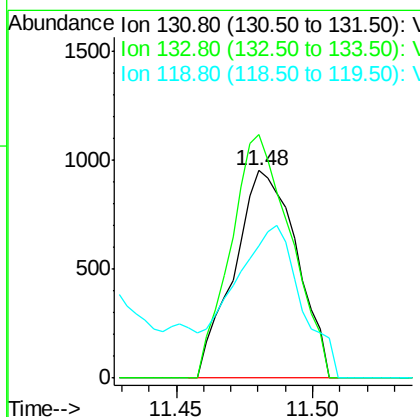
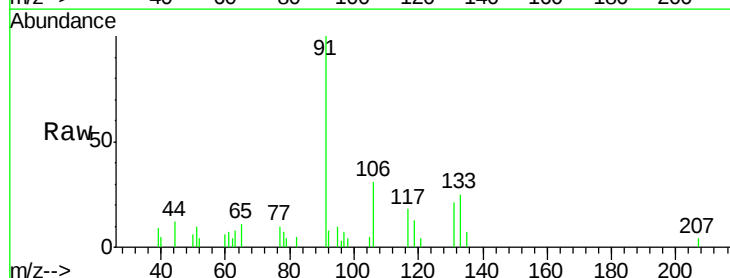
Manual Integrations
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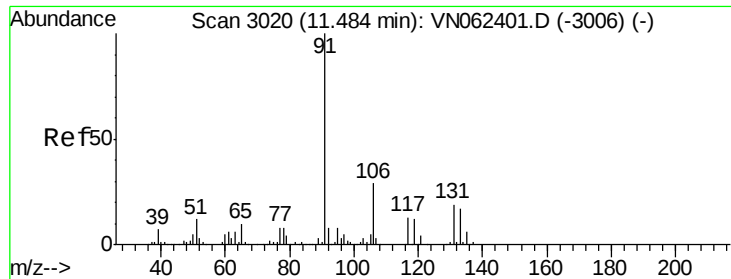
MMDadoda
7/9/2020 10:55:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.732 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion:131 Resp: 1517
Ion Ratio Lower Upper
131 100
133 112.3 46.9 140.8
119 0.0 33.2 99.6#





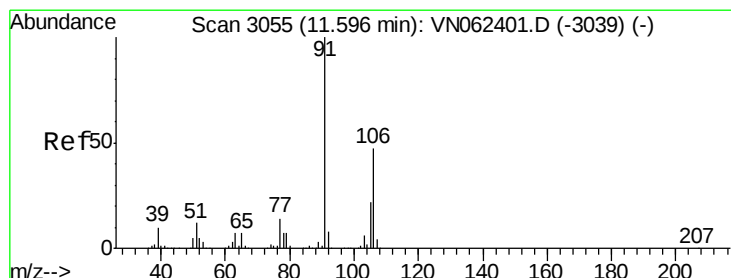
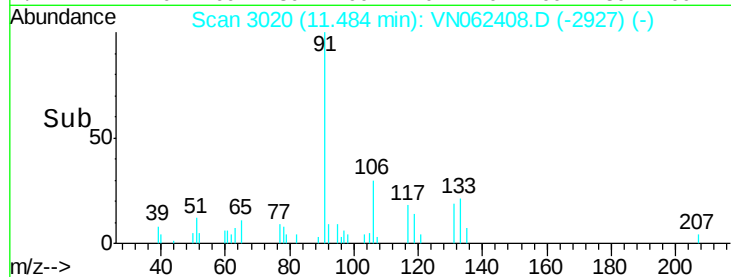
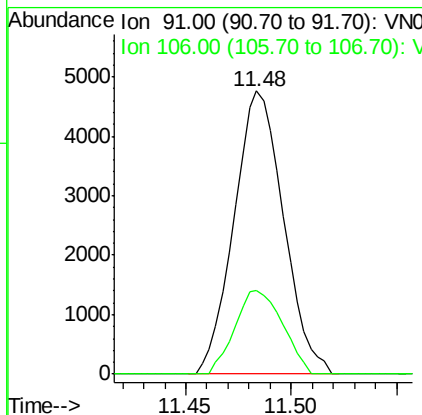
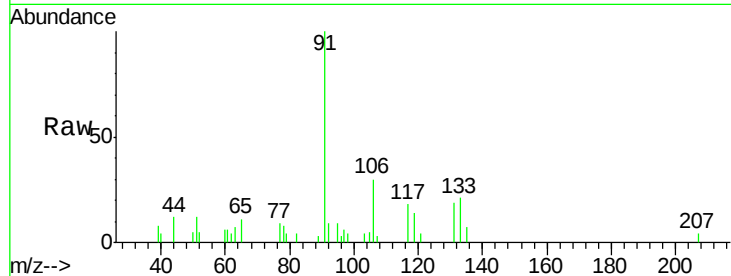
#67
Ethyl Benzene
Concen: 0.737 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 7766
Ion Ratio Lower Upper
91 100
106 29.6 23.4 35.2

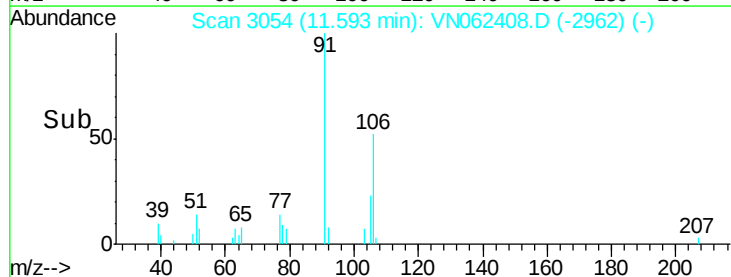
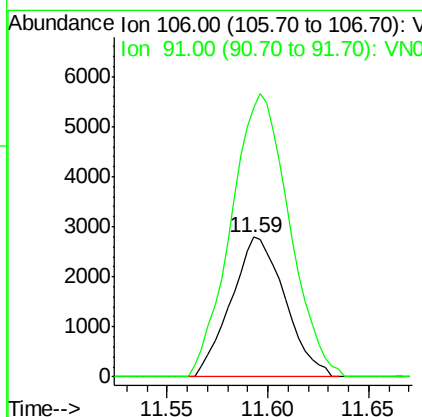
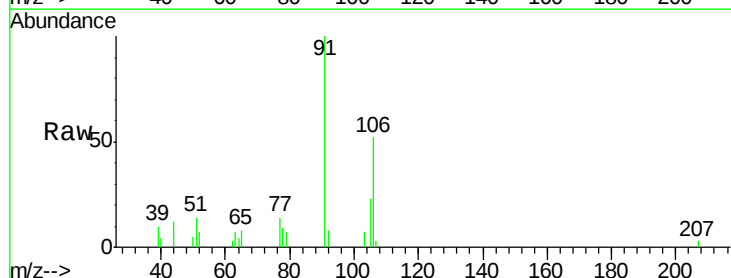
Manual Integrations
APPROVED

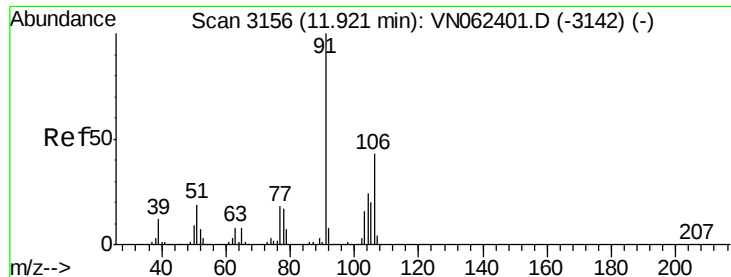
MMDadoda
7/9/2020 10:55:03 AM



#68
m/p-Xylenes
Concen: 1.401 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 106 Resp: 5228
Ion Ratio Lower Upper
106 100
91 217.8 172.4 258.6





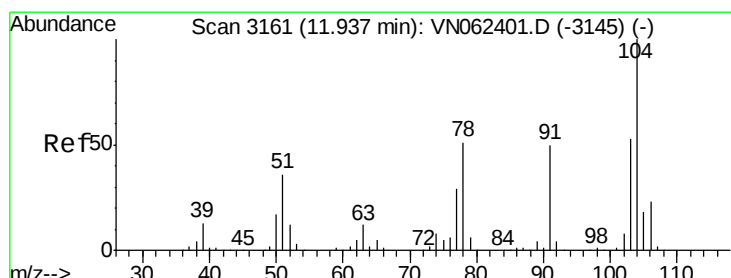
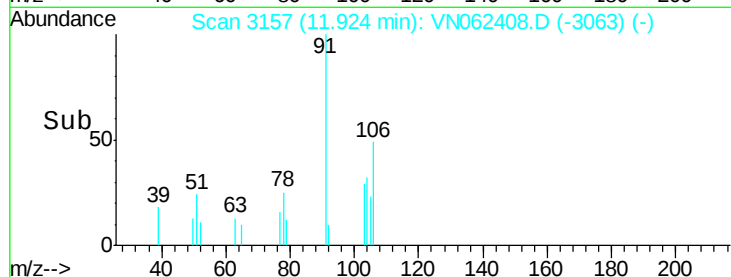
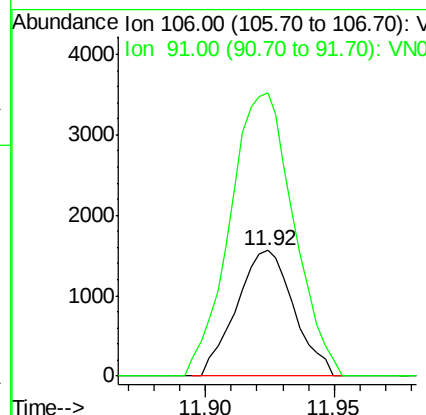
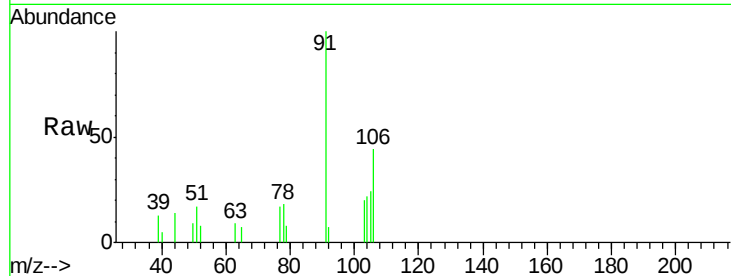
#69
o-Xylene
Concen: 0.668 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 2427
Ion Ratio Lower Upper
106 100
91 250.1 113.8 341.4

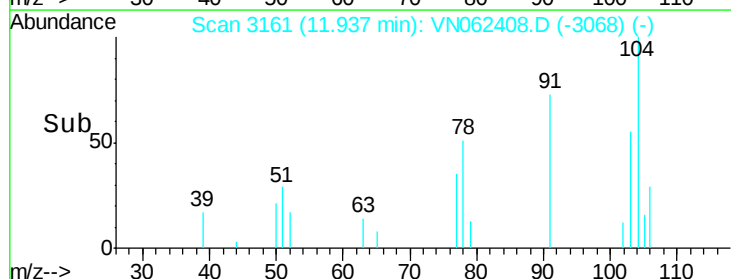
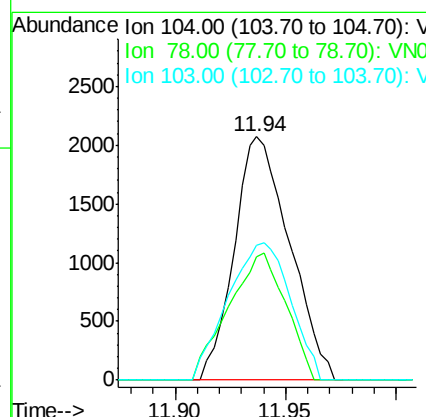
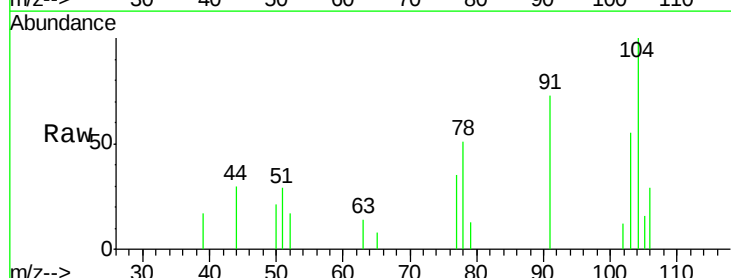
Manual Integrations
APPROVED

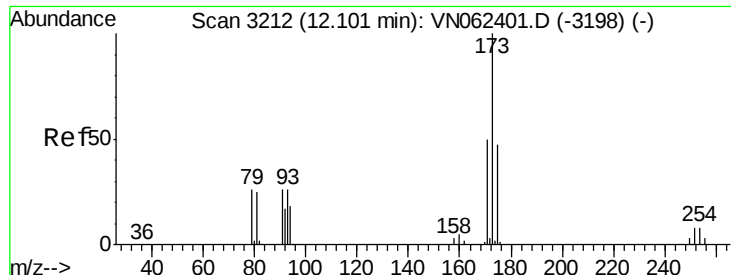
MMDadoda
7/9/2020 10:55:03 AM



#70
Styrene
Concen: 0.600 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion:104 Resp: 3602
Ion Ratio Lower Upper
104 100
78 53.7 44.2 66.4
103 63.5 44.4 66.6





#71

Bromoform

Concen: 0.715 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:173 Resp: 1086

Ion Ratio Lower Upper

173 100

175 39.3 23.7 71.1

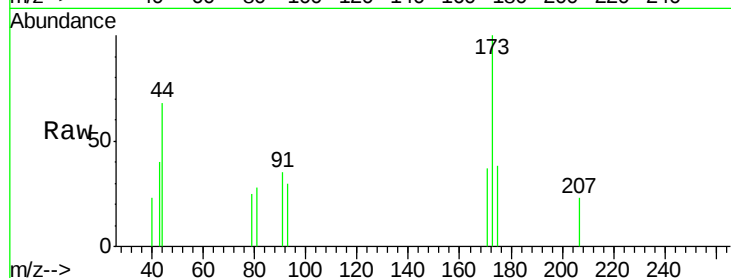
254 0.0 0.0 0.0

Manual Integrations

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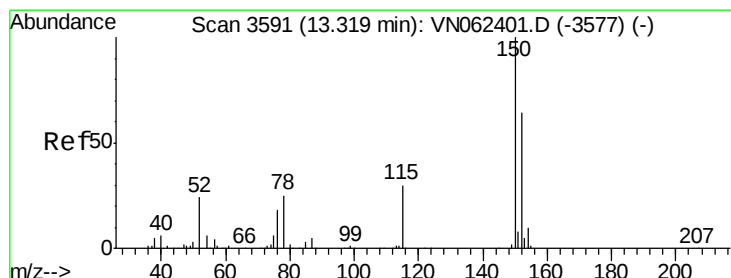
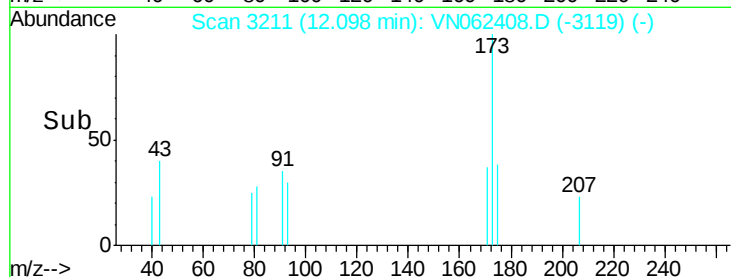
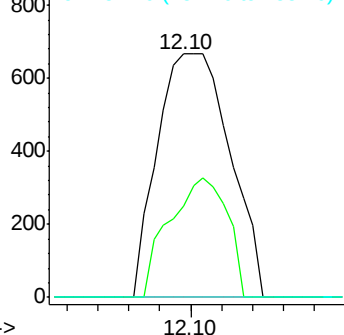
7/9/2020 10:55:03 AM



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: VN062408.D

Acq: 8 Jul 2020 15:25

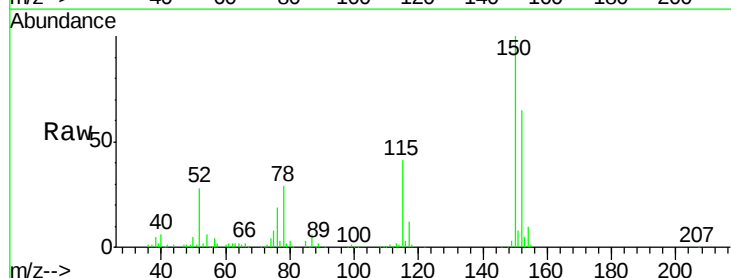
Tgt Ion:152 Resp: 107970

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

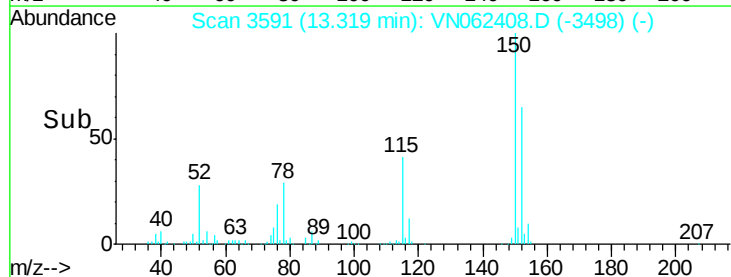
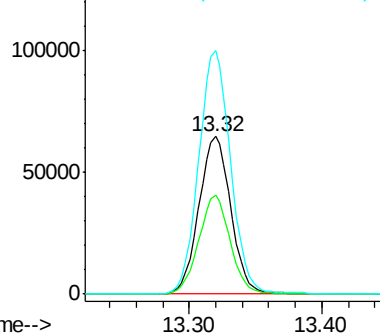
150 155.4 0.0 347.4

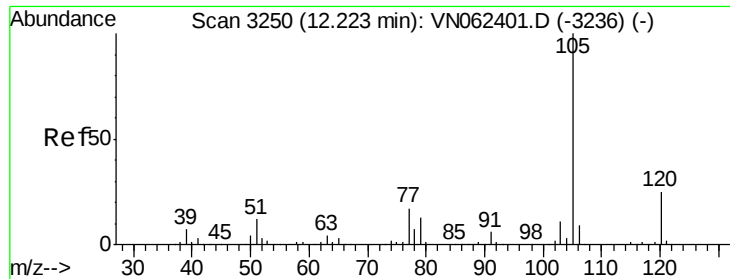


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.788 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 105 Resp: 6582

Ion Ratio Lower Upper

105 100

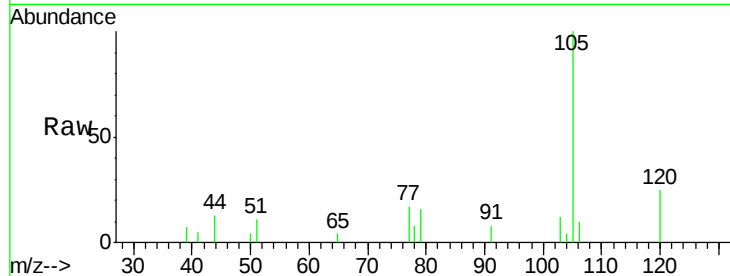
120 24.1 12.7 38.1

Manual Integrations

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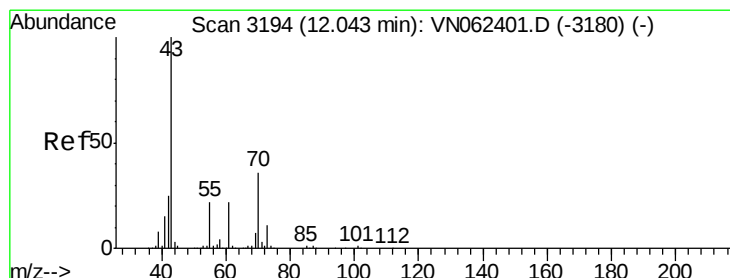
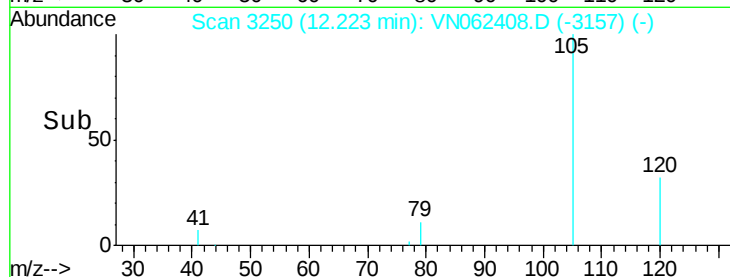
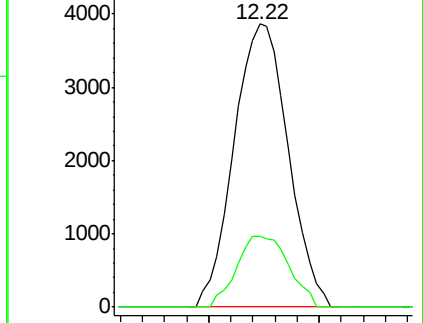
MMDadoda

7/9/2020 10:55:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.735 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion: 43 Resp: 2989

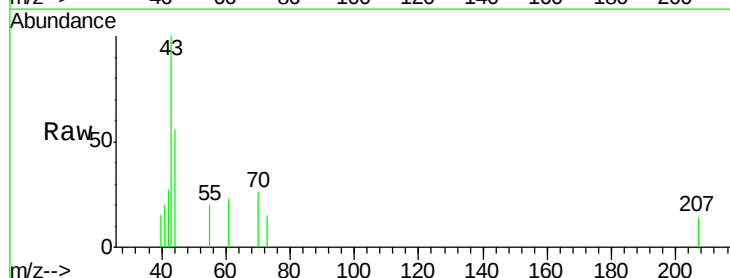
Ion Ratio Lower Upper

43 100

70 19.5 30.0 45.0#

55 11.2 18.2 27.4#

61 7.2 17.7 26.5#

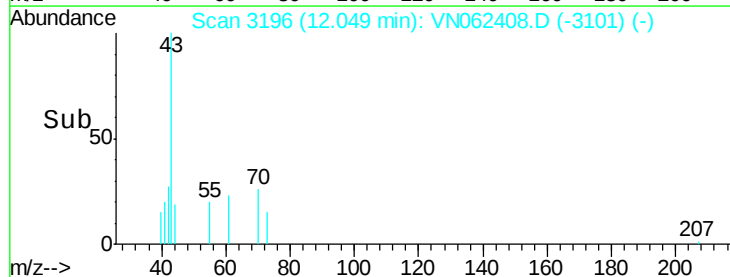
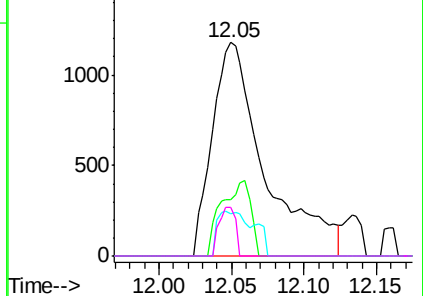


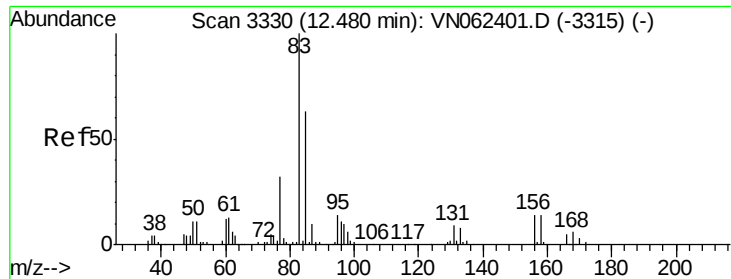
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





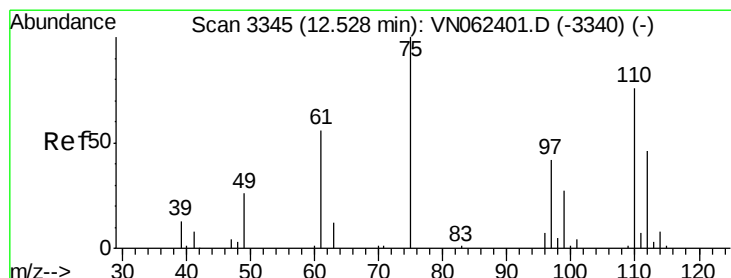
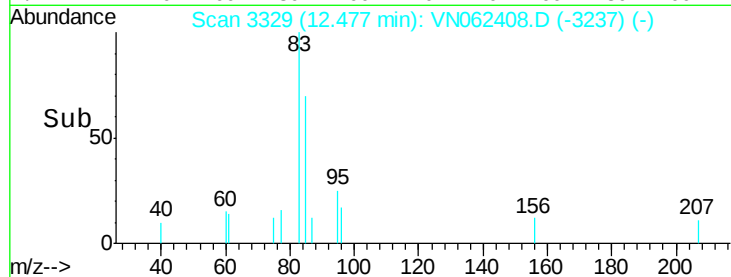
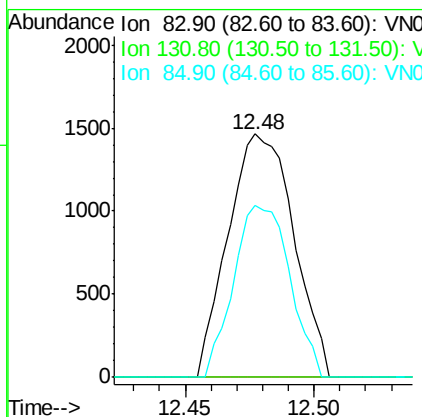
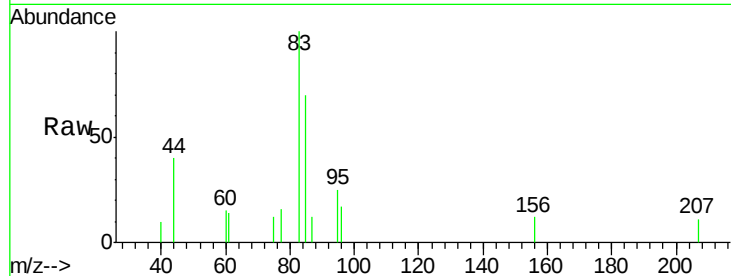
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.926 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.5#
85	60.5	31.9	95.9

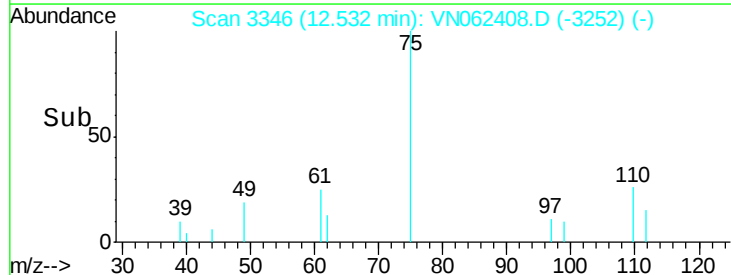
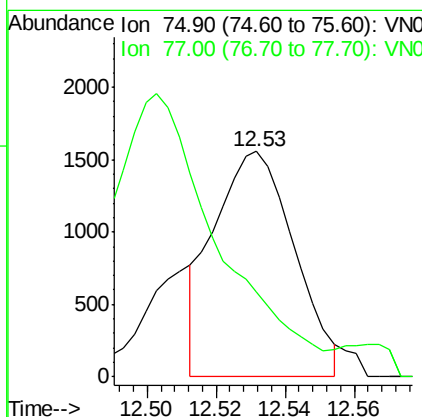
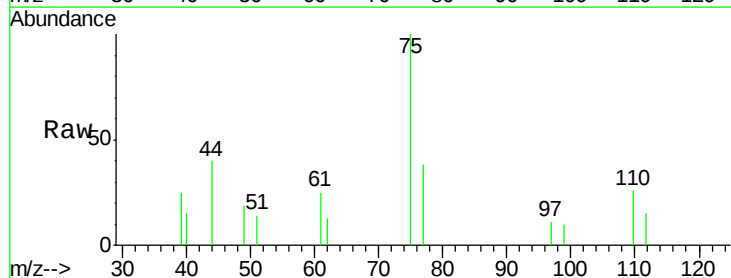
Manual Integrations
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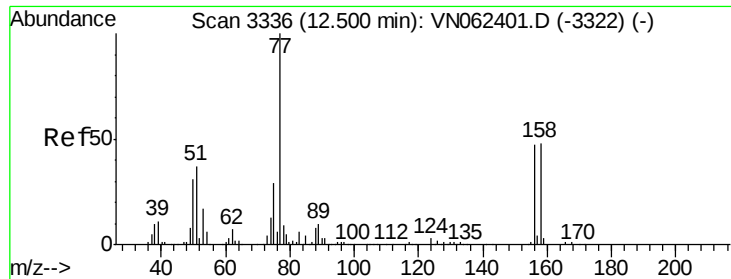
MMDadoda
 7/9/2020 10:55:03 AM



#76
 1,2,3-Trichloropropane
 Concen: 0.945 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

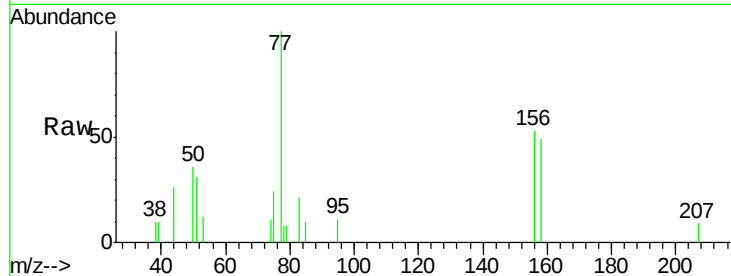
LOD-MDL-WATER-01-QT3-2020

Tot Ion:156 Resp: 1692

Ion	Ratio	Lower	Upper
156	100		
77	252.3	126.4	379.3
158	88.5	49.8	149.4

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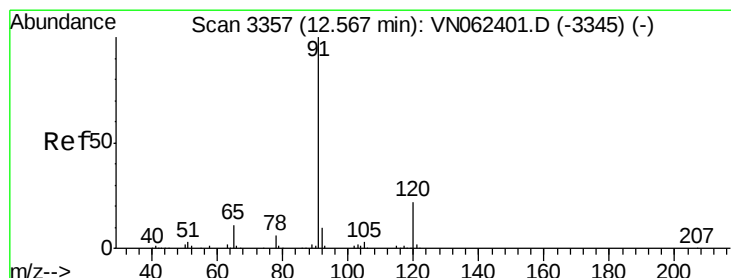
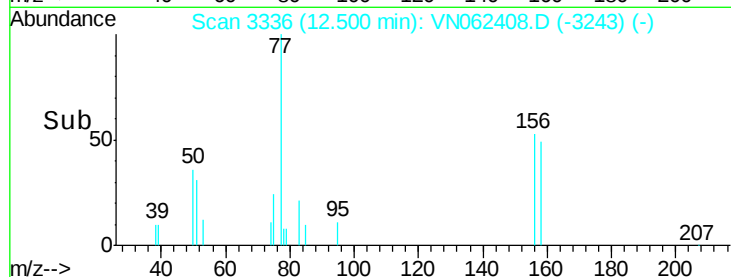
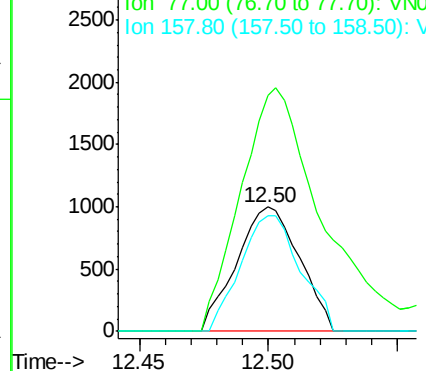
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.811 ug/l

RT: 12.57 min Scan# 3357

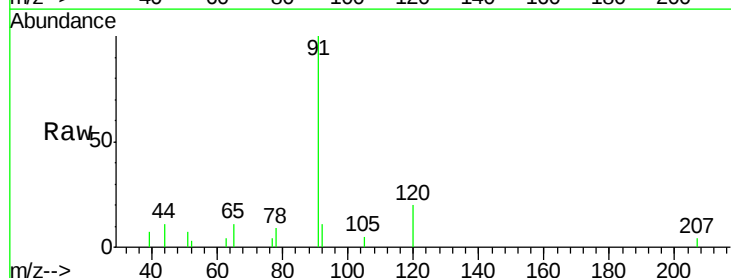
Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

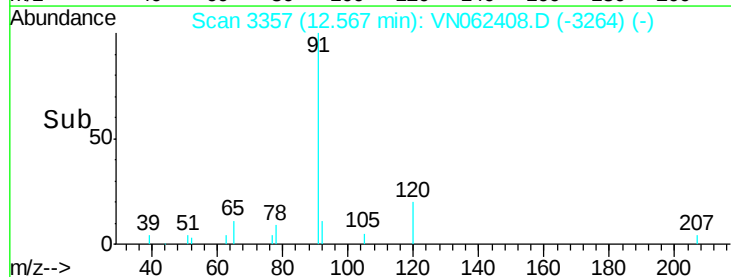
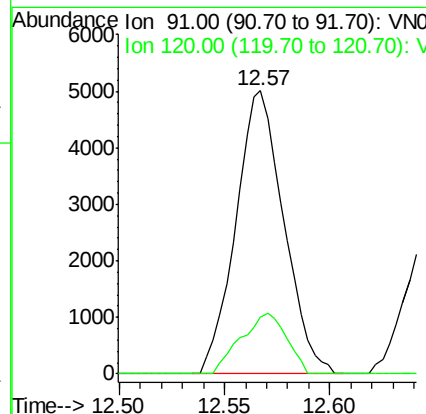
Tgt Ion: 91 Resp: 7911

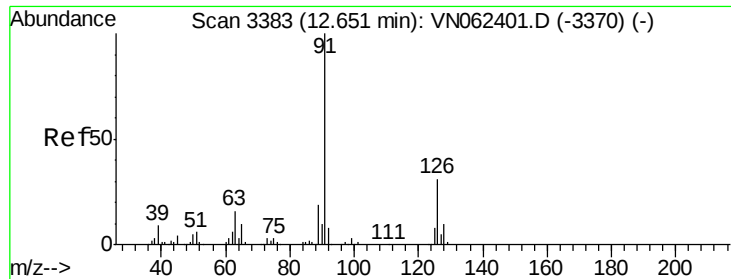
Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





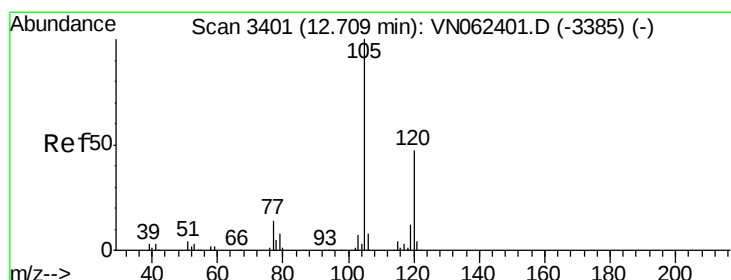
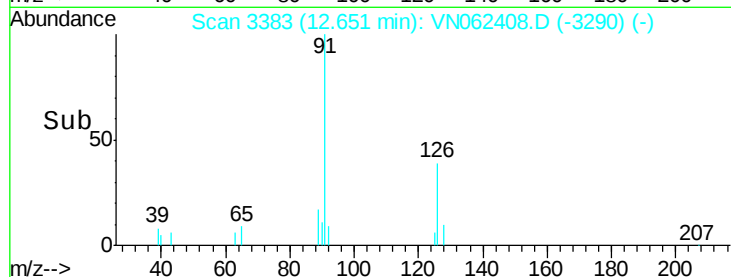
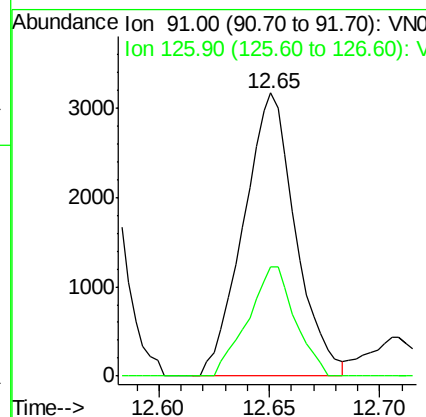
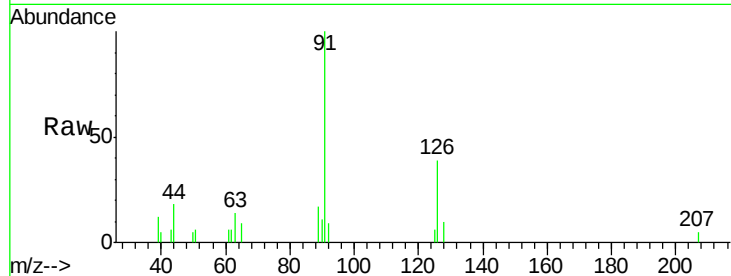
#79
 2-Chlorotoluene
 Concen: 0.875 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 5184
 Ion Ratio Lower Upper
 91 100
 126 34.8 15.6 46.7

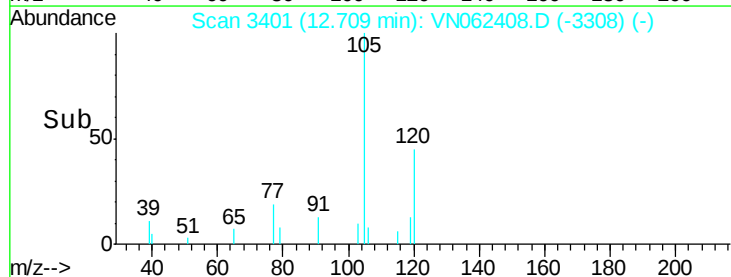
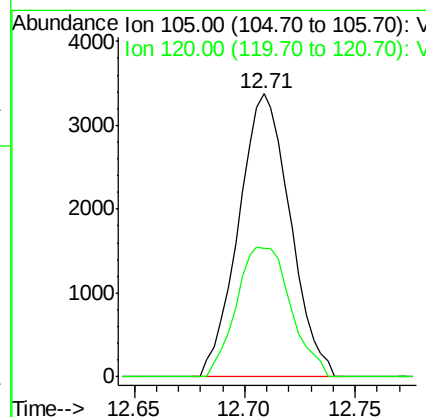
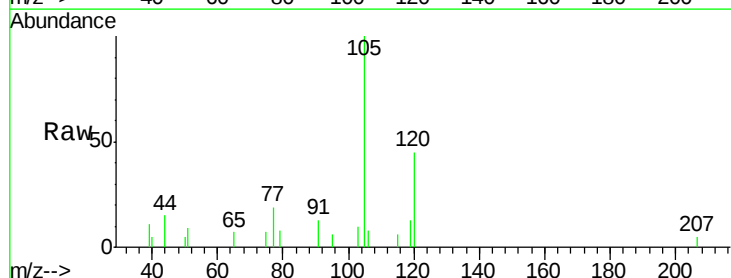
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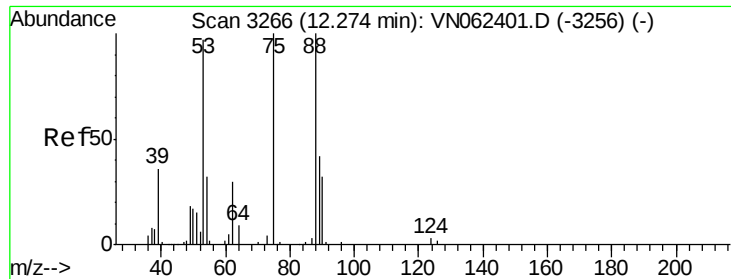
MMDadoda
 7/9/2020 10:55:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.801 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion: 105 Resp: 5489
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.4 70.2





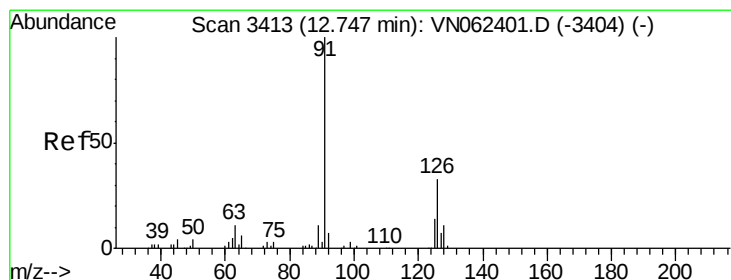
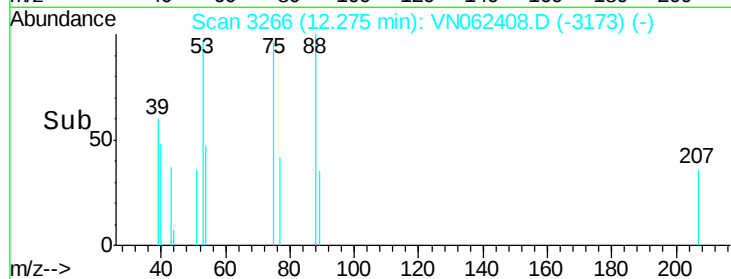
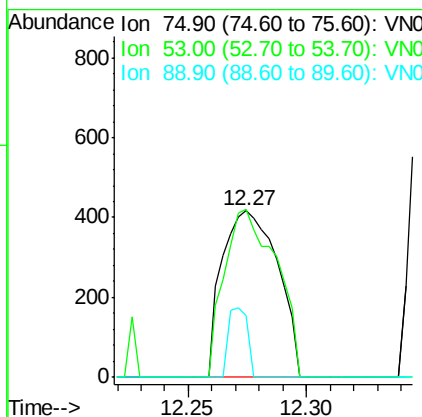
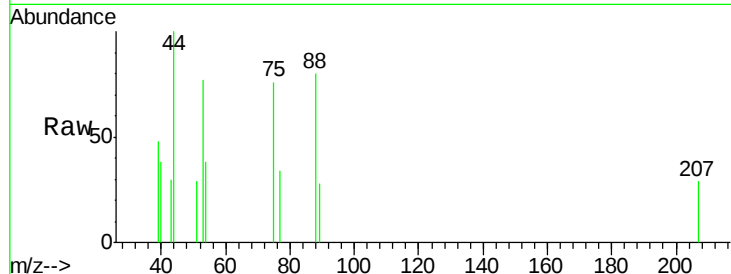
#81
trans-1,4-Dichloro-2-butene
Concen: 0.683 ug/l m
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 676
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 34.6 52.0#

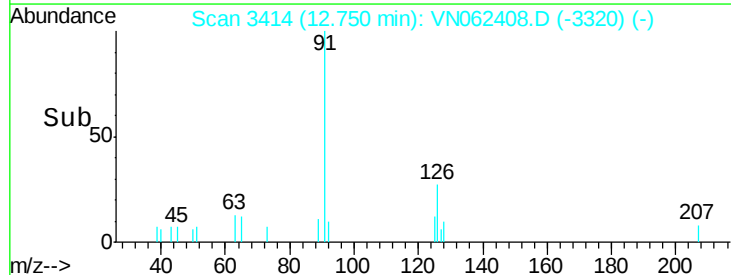
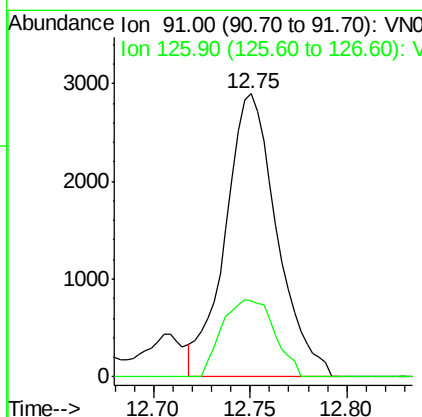
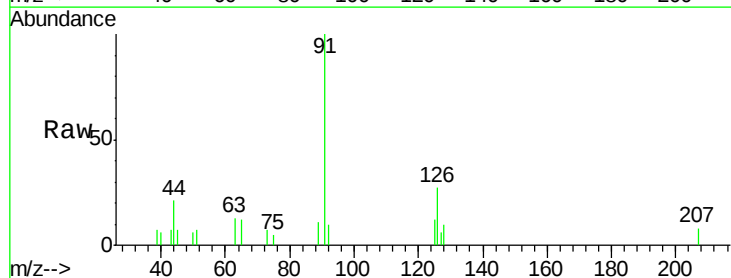
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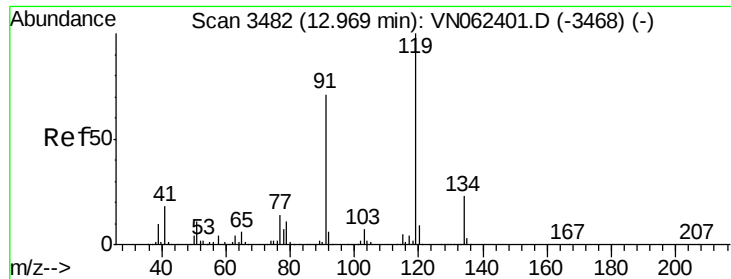
MMDadoda
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#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 12.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion: 91 Resp: 5371
Ion Ratio Lower Upper
91 100
126 27.7 15.2 45.6





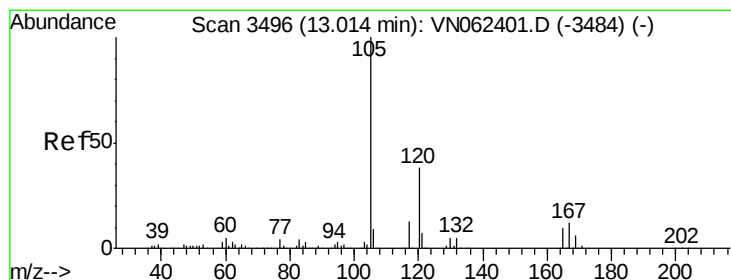
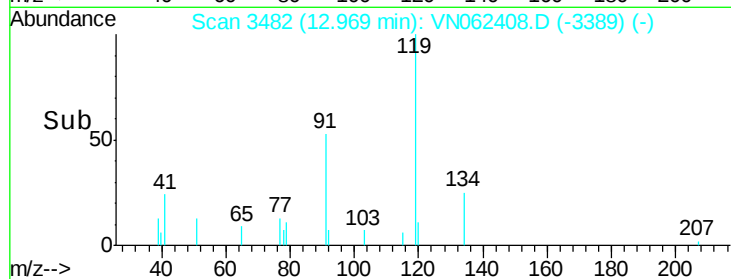
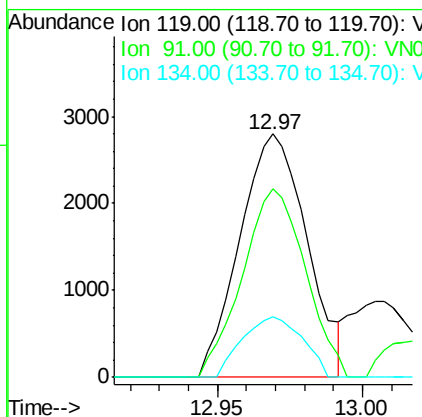
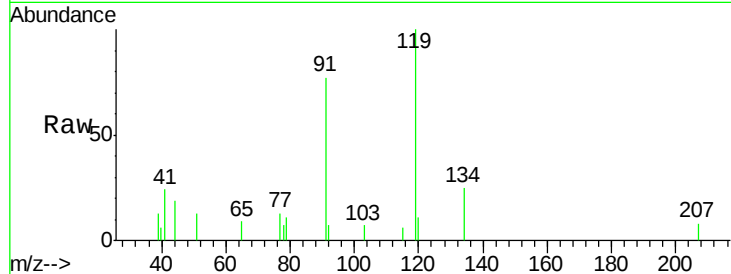
#83
 tert-Butylbenzene
 Concen: 0.774 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.7	34.8	104.3
134	22.4	11.7	35.0

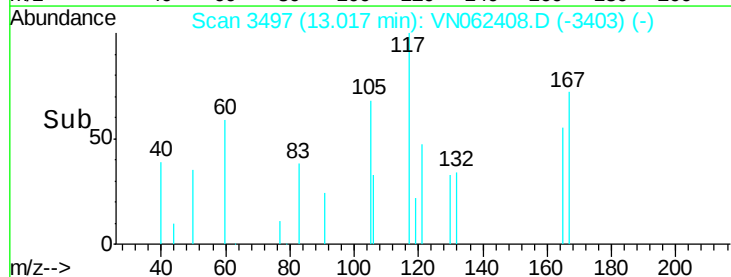
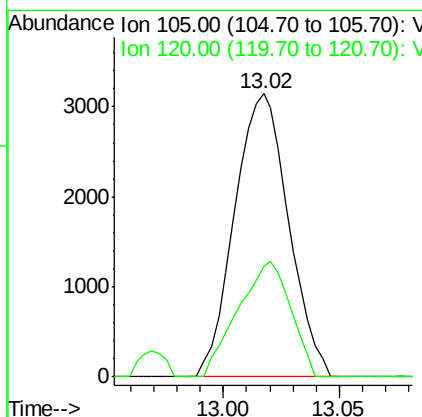
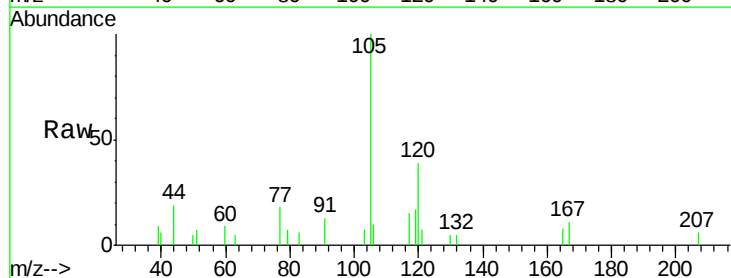
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.747 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.8	21.6	64.8





#85

sec-Butylbenzene

Concen: 0.751 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 5785

Ion Ratio Lower Upper

105 100

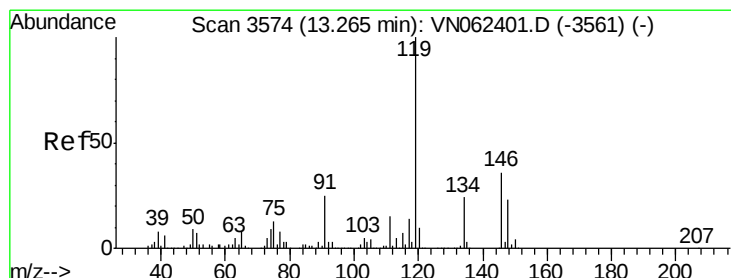
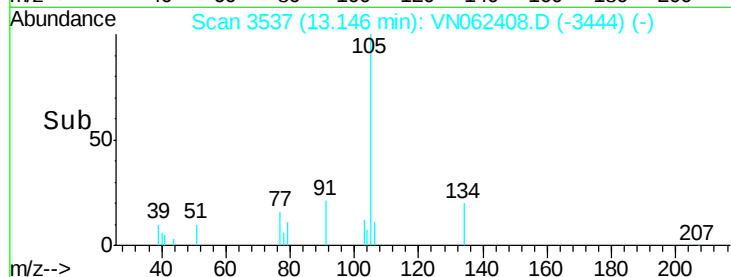
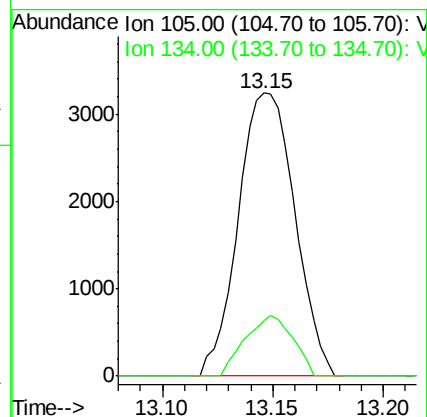
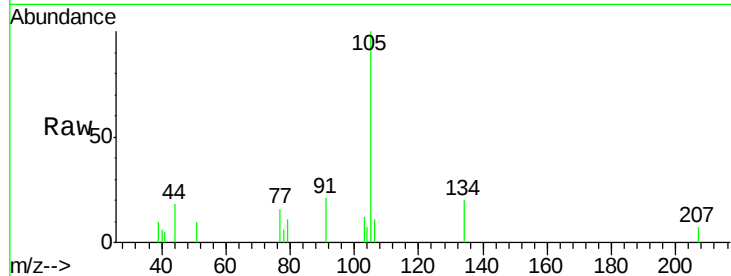
134 18.1 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 0.695 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

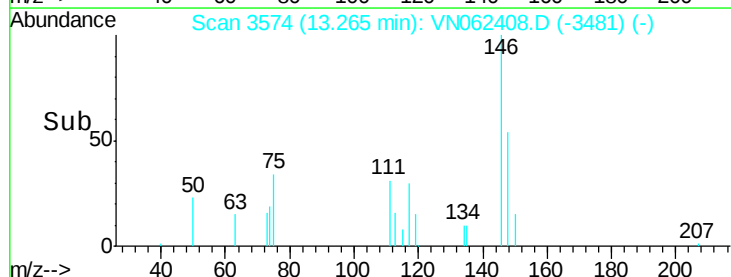
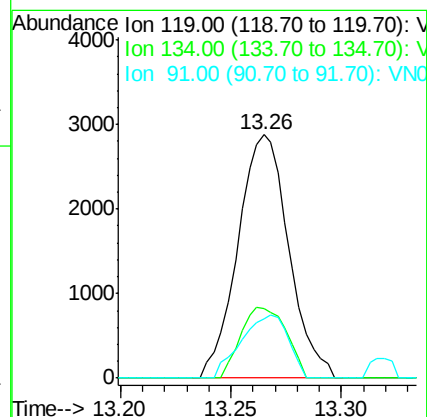
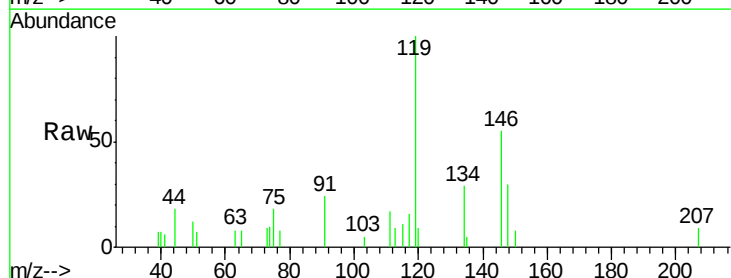
Tgt Ion:119 Resp: 4618

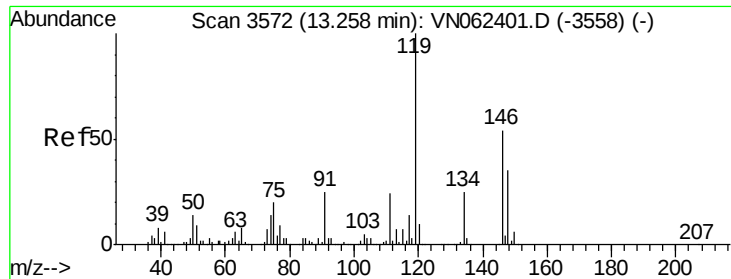
Ion Ratio Lower Upper

119 100

134 26.1 12.4 37.0

91 24.0 12.4 37.4





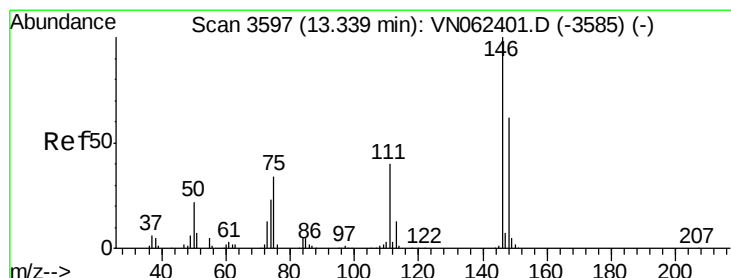
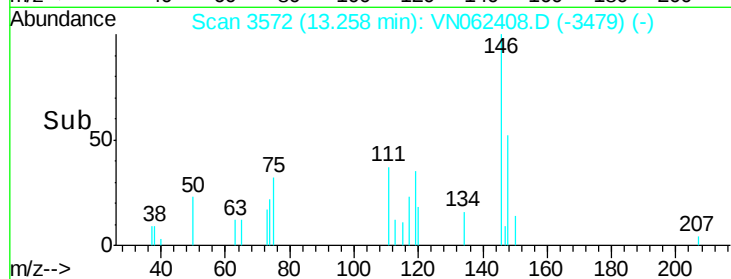
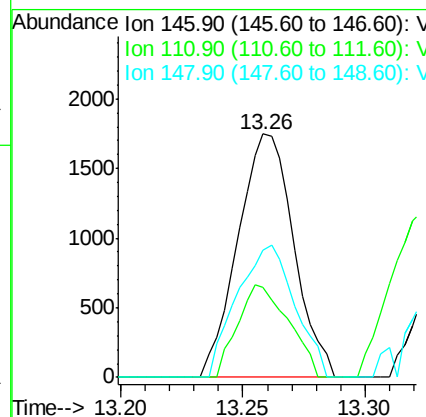
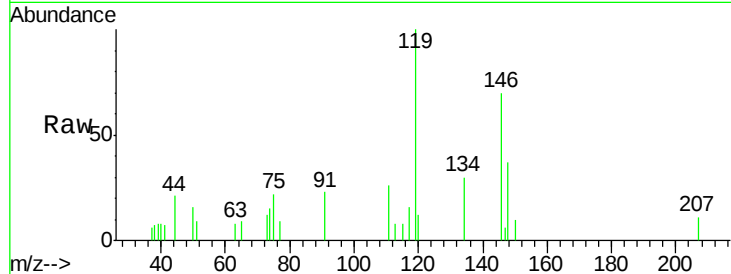
#87
 1,3-Dichlorobenzene
 Concen: 0.847 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.7	21.6	64.6
148	56.4	32.2	96.6

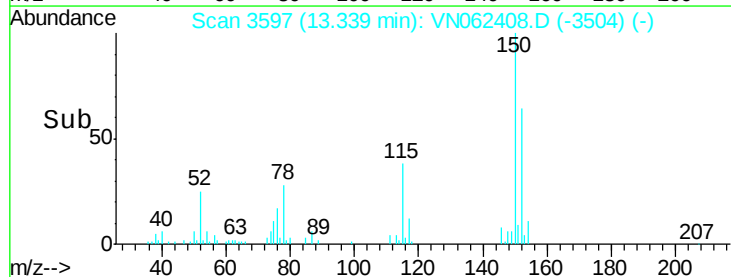
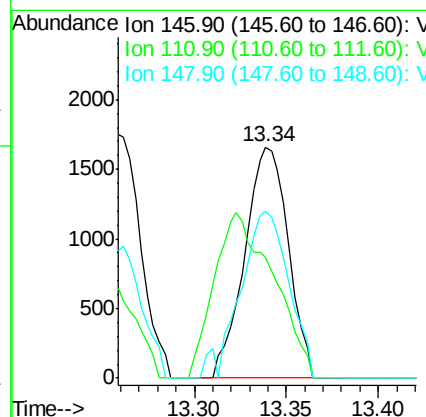
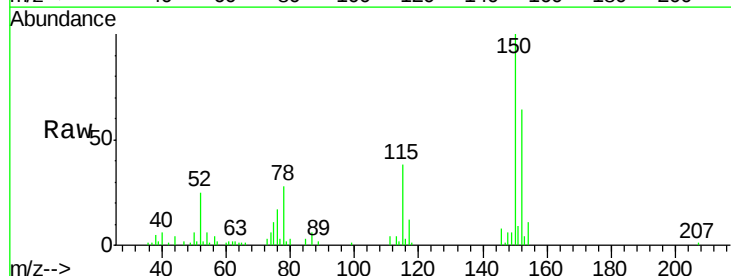
Manual Integrations
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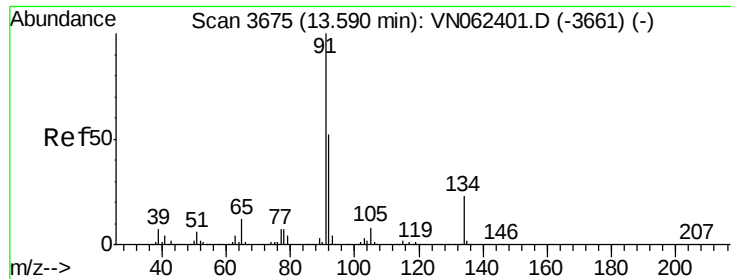
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#88
 1,4-Dichlorobenzene
 Concen: 0.807 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	21.1	63.1
148	57.5	31.4	94.2





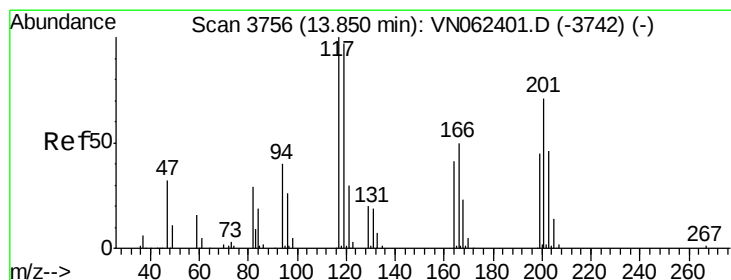
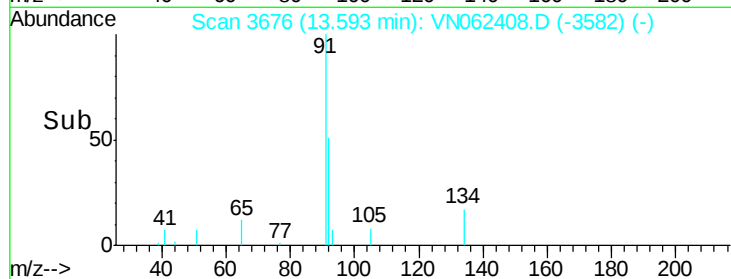
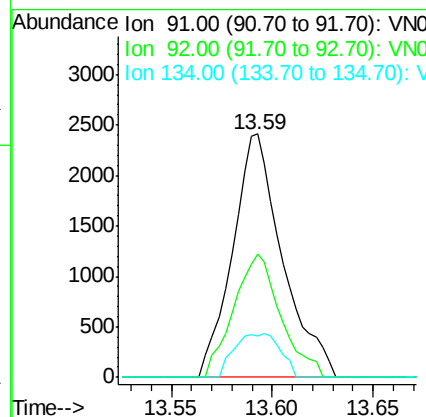
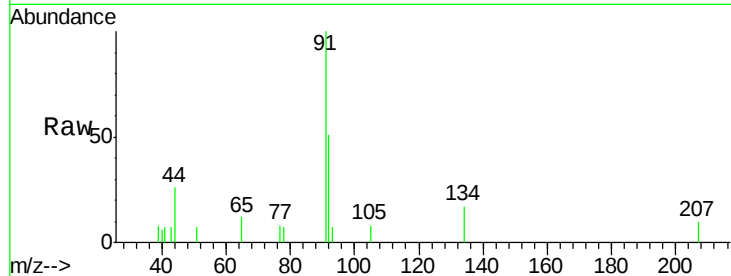
#89
n-Butylbenzene
Concen: 0.708 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.9	25.9	77.7
134	16.6	11.6	34.8

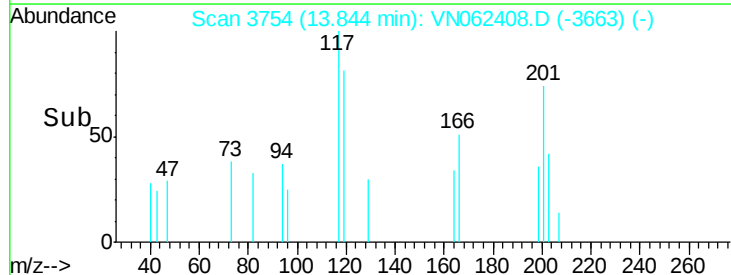
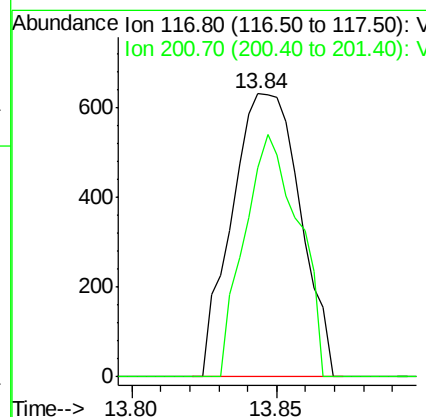
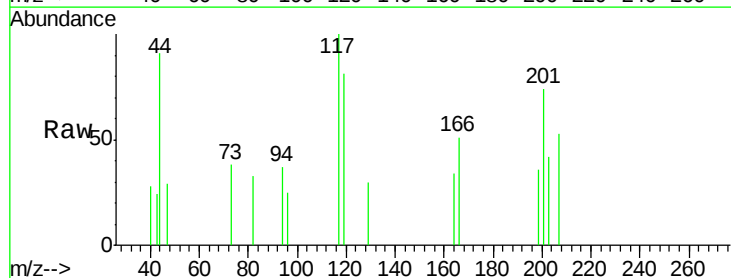
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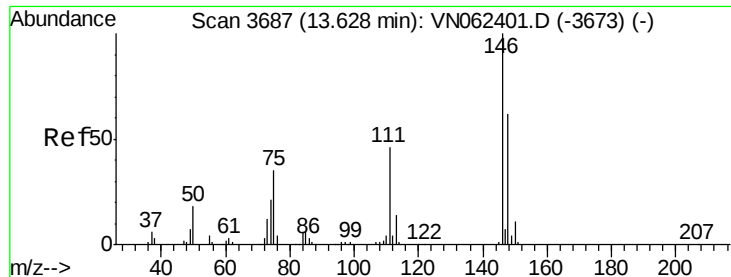
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#90
Hexachloroethane
Concen: 0.792 ug/l
RT: 13.84 min Scan# 3754
Delta R.T. -0.01 min
Lab File: VN062408.D
Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	35.4	106.2





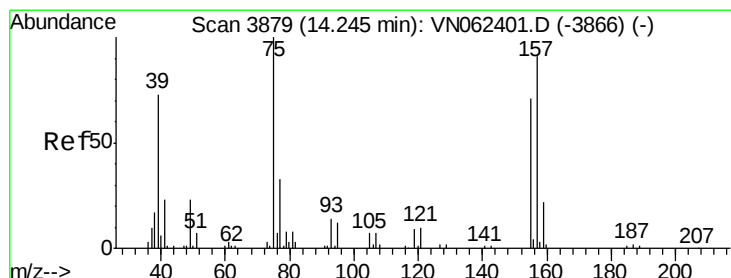
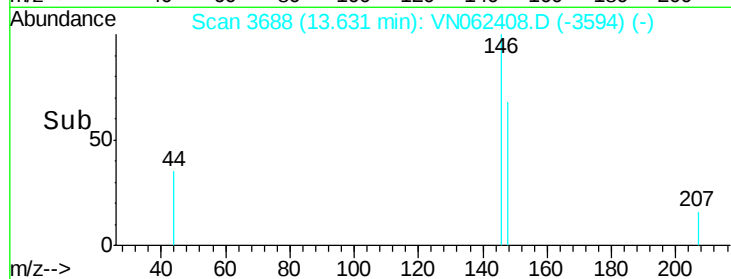
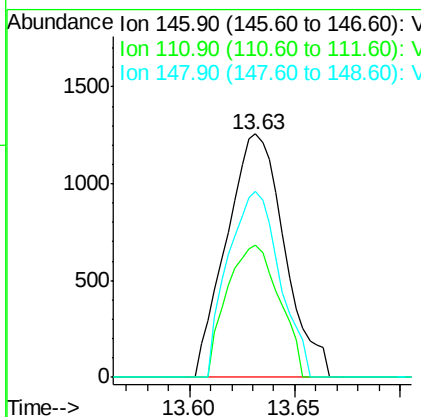
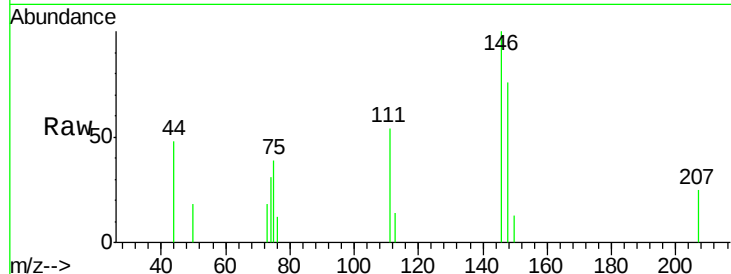
#91
 1,2-Dichlorobenzene
 Concen: 0.757 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.5	67.5
148	67.9	31.4	94.2

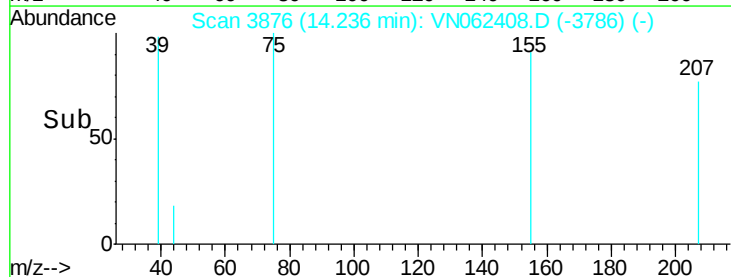
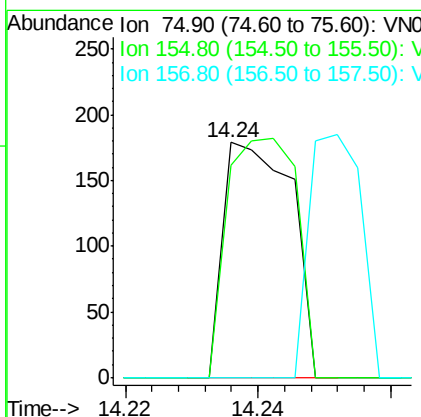
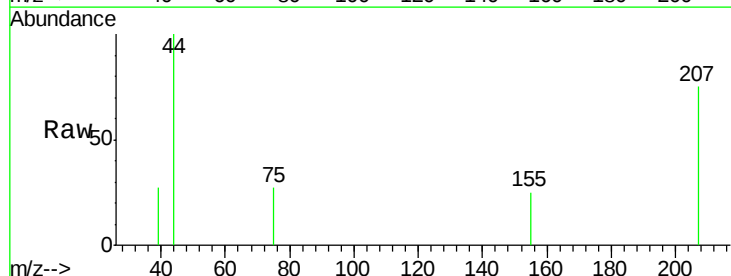
Manual Integrations
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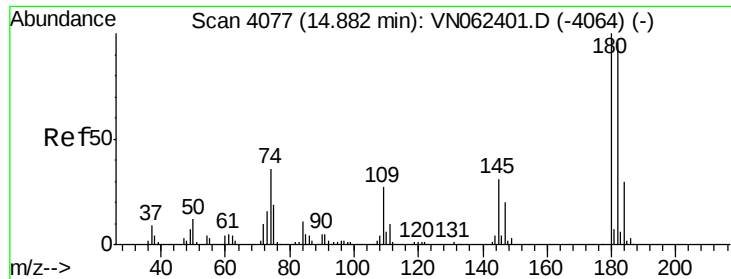
MMDadoda
 7/9/2020 10:55:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.248 ug/l
 RT: 14.24 min Scan# 3876
 Delta R.T. -0.01 min
 Lab File: VN062408.D
 Acq: 8 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.9	35.2	105.6
157	79.5	45.8	137.3





#93

1,2,4-Trichlorobenzene

Concen: 0.522 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

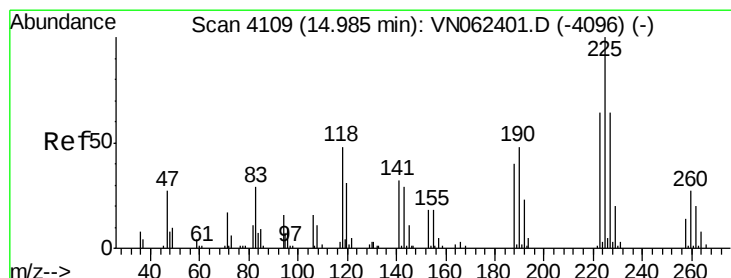
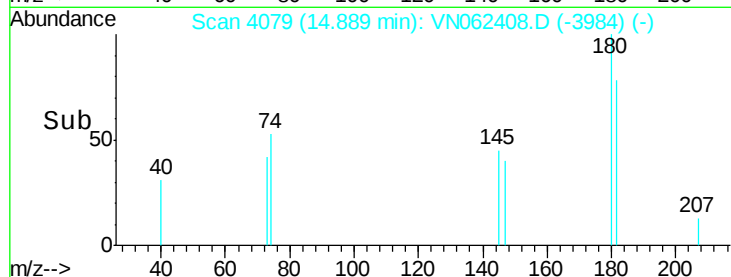
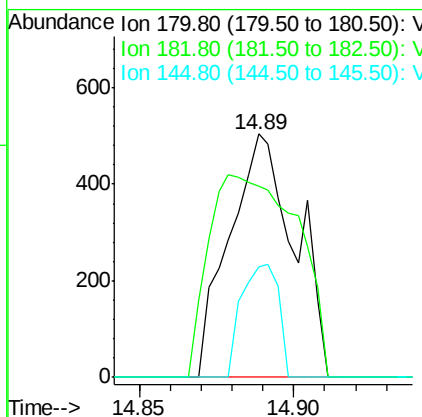
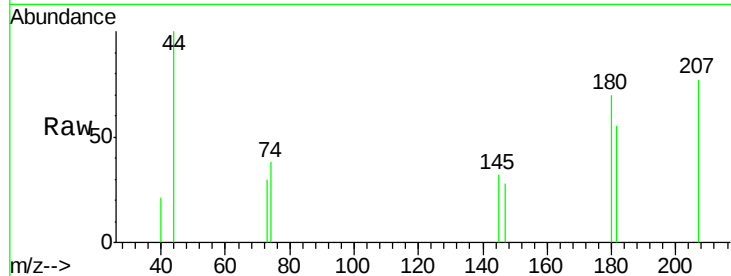
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	180	Resp:	745
Ion Ratio	Lower	Upper	
180	100		
182	112.5	48.4	145.2
145	26.0	15.5	46.5

Manual Integrations
APPROVED

MMDadoda
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#94

Hexachlorobutadiene

Concen: 0.873 ug/l

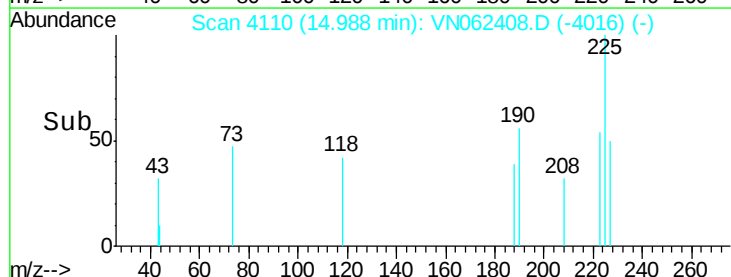
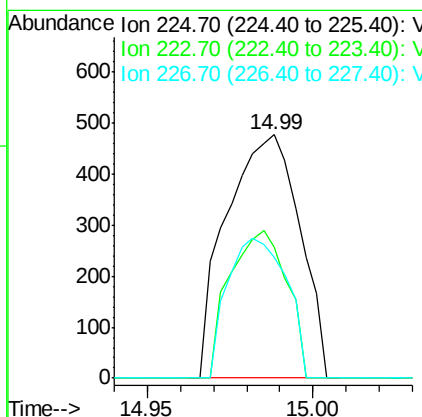
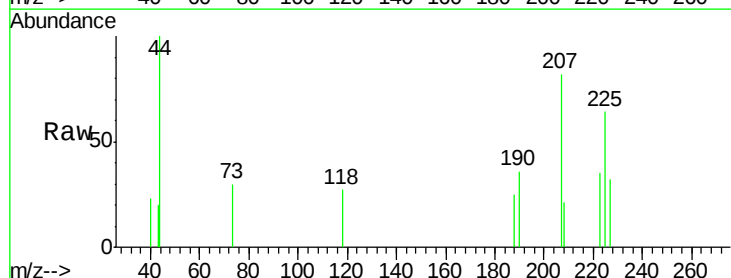
RT: 14.99 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion:	225	Resp:	734
Ion Ratio	Lower	Upper	
225	100		
223	47.0	32.3	96.8
227	46.0	31.9	95.7





#95

Naphthalene

Concen: 0.642 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Instrument :

MSVOA_N

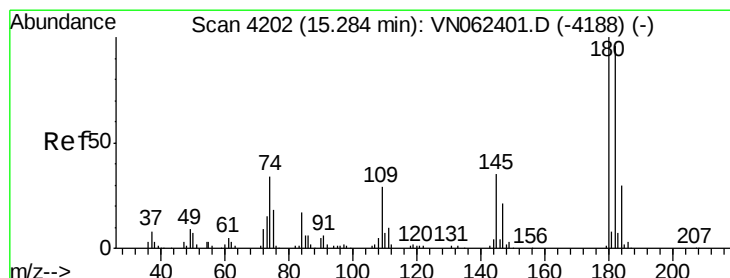
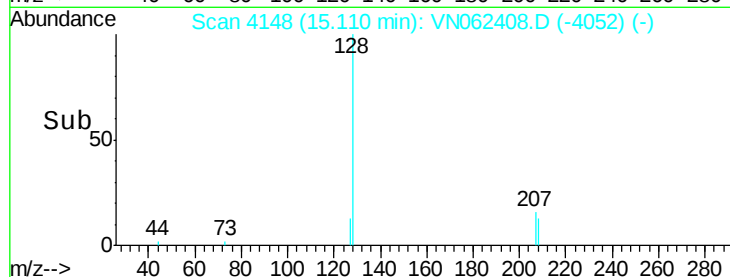
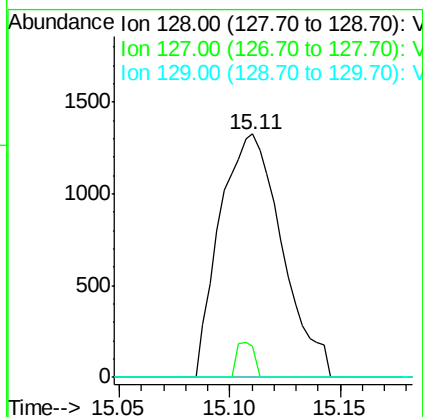
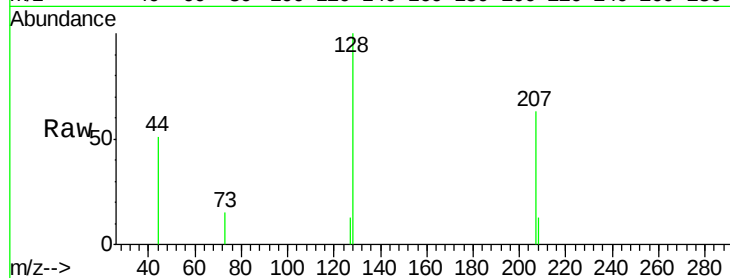
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	128	Resp:	2586
Ion Ratio	Lower	Upper	
128	100		
127	4.0	10.2	15.2#
129	0.0	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:55:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.721 ug/l m

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062408.D

Acq: 8 Jul 2020 15:25

Tgt Ion:	180	Resp:	1071
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.8	143.4
145	16.5	17.0	50.9#

