

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062514.D
 Acq On : 13 Jul 2020 14:22
 Operator : JC/MD
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:50 AM

Quant Time: Jul 14 01:14:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	46577	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	260128	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	235845	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	119667	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.38	95	110521	27.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.80%
63) Toluene-d8	10.06	98	337804	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	6593	2.398 ug/l	98
3) Chloromethane	2.04	50	9801	2.469 ug/l	92
4) Vinyl Chloride	2.16	62	8702	2.508 ug/l	94
5) Bromomethane	2.54	94	4827	2.804 ug/l	95
6) Chloroethane	2.67	64	4332	2.536 ug/l	93
7) Trichlorofluoromethane	2.98	101	10696	2.630 ug/l	97
8) Diethyl Ether	3.37	74	5205	2.662 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	6967	2.650 ug/l	92
10) 1,1-Dichloroethene	3.69	96	7301	2.722 ug/l	83
11) Methyl Iodide	3.91	142	5898	1.796 ug/l	98
12) Methyl Acetate	4.28	43	9642m	2.680 ug/l	
13) Acrolein	3.58	56	4643	8.639 ug/l #	55
14) Acrylonitrile	4.94	53	19868	11.876 ug/l	88
15) Acetone	3.78	58	5874	11.438 ug/l	90
16) Carbon Disulfide	4.01	76	24114	2.759 ug/l	99
17) Allyl chloride	4.28	41	14864m	2.606 ug/l	
18) Methylene Chloride	4.49	84	9438m	2.860 ug/l	
19) trans-1,2-Dichloroethene	4.98	96	7785m	2.622 ug/l	
20) Diisopropyl ether	5.90	45	30127	2.569 ug/l	94
21) 1,1-Dichloroethane	5.80	63	16617m	2.680 ug/l	
22) cis-1,2-Dichloroethene	6.78	96	9036m	2.699 ug/l	
23) tert-Butyl Alcohol	4.73	59	7506m	13.407 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	25141	2.542 ug/l #	84
25) Chloroform	7.33	83	14737	2.592 ug/l	100
26) Cyclohexane	7.61	56	13799	2.525 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	10951	2.482 ug/l	96
30) 2-Butanone	6.79	43	28798	12.306 ug/l #	96
31) 2,2-Dichloropropane	6.78	77	14029	2.820 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	12759	2.690 ug/l	98
33) Carbon Tetrachloride	7.73	117	10586	2.575 ug/l	100
34) Benzene	8.00	78	34483	2.631 ug/l #	29
35) Methacrylonitrile	7.13	41	6423	3.125 ug/l	87
36) 1,2-Dichloroethane	8.09	62	13218	2.805 ug/l	97
37) Trichloroethene	8.80	130	8086	2.746 ug/l	93
38) Methylcyclohexane	9.04	83	12705	2.567 ug/l	99
39) 1,2-Dichloropropane	9.09	63	9692	2.595 ug/l	94
40) Dibromomethane	9.18	93	5840	2.713 ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	11642	2.550	ug/l	93
42) Vinyl Acetate	5.85	43	119030	12.241	ug/l	99
43) Ethyl Acetate	6.89	43	10693	2.273	ug/l #	81
44) Isopropyl Acetate	8.13	43	19316	2.447	ug/l	97
45) 1,4-Dioxane	9.17	88	2775	51.393	ug/l	97
46) Methyl methacrylate	9.17	41	9176	2.450	ug/l	88
47) n-amyl Acetate	12.05	43	13254	1.992	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	12878	2.419	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	14408	2.507	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	8025	2.660	ug/l	93
51) Ethyl methacrylate	10.40	69	11185	2.202	ug/l	96
52) 1,3-Dichloropropane	10.68	76	14096	2.546	ug/l	99
53) Dibromochloromethane	10.87	129	8044	2.447	ug/l	97
54) 1,2-Dibromoethane	10.98	107	7535	2.440	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	16604	10.235	ug/l	99
56) Bromoform	12.10	173	5501	2.450	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	56343	12.262	ug/l	98
59) 2-Hexanone	10.72	43	38843	11.526	ug/l	98
61) Tetrachloroethene	10.60	164	6461	2.675	ug/l	92
62) Toluene	10.12	91	35457	2.650	ug/l	98
64) Chlorobenzene	11.41	112	20759	2.640	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	7554	2.596	ug/l	97
66) Ethyl Benzene	11.48	91	36530	2.466	ug/l	99
67) m/p-Xylenes	11.60	106	25299	4.704	ug/l	98
68) o-Xylene	11.92	106	12381	2.399	ug/l	94
69) Styrene	11.94	104	18600	2.123	ug/l	96
70) Isopropylbenzene	12.22	105	31350	2.263	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	11818	2.639	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	10388m	2.385	ug/l	
73) Bromobenzene	12.50	156	8172	2.547	ug/l	97
74) n-propylbenzene	12.57	91	37734	2.291	ug/l	99
75) 2-Chlorotoluene	12.65	91	24161	2.437	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	27103	2.296	ug/l	96
77) t-1,4-Dichloro-2-butene	12.28	75	3494	2.145	ug/l	95
78) 4-Chlorotoluene	12.75	91	23594	2.332	ug/l	95
79) tert-butylbenzene	12.97	119	23930	2.448	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	24571	2.116	ug/l	94
81) sec-Butylbenzene	13.15	105	29594	2.254	ug/l	97
82) p-Isopropyltoluene	13.26	119	23451	2.024	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	11815	2.120	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	12204	2.220	ug/l	94
85) n-Butylbenzene	13.59	91	18690	1.881	ug/l	98
86) Hexachloroethane	13.85	117	5248	2.348	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	11814	2.205	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1783	2.109	ug/l	92
89) 1,2,4-Trichlorobenzene	14.89	180	4008	1.503	ug/l	97
90) Hexachlorobutadiene	14.98	225	3990	2.697	ug/l	99
91) Naphthalene	15.11	128	10801	1.493	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	4360	1.622	ug/l	93

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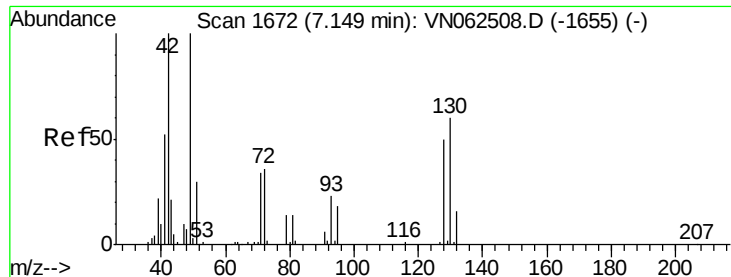
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

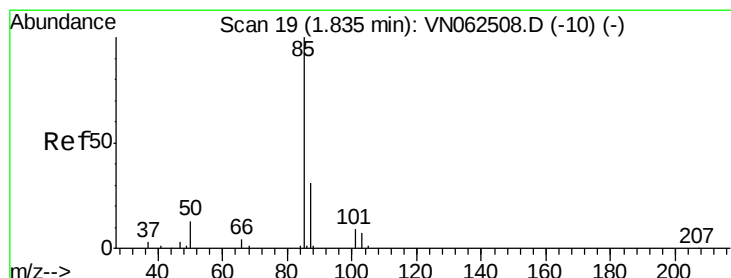
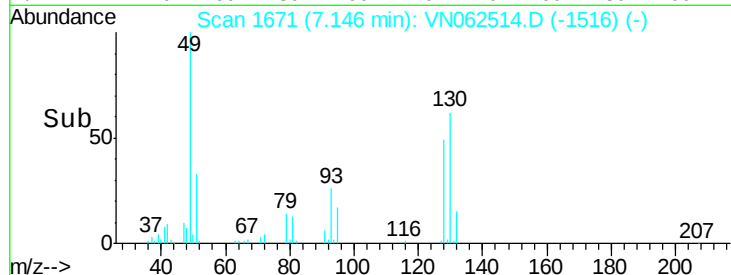
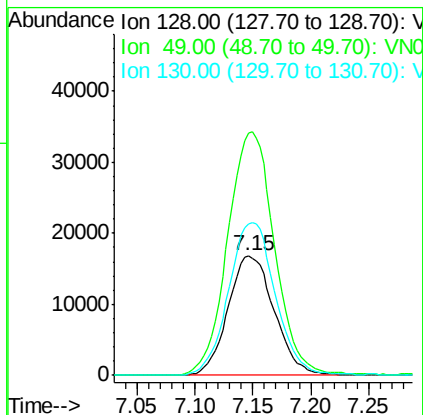
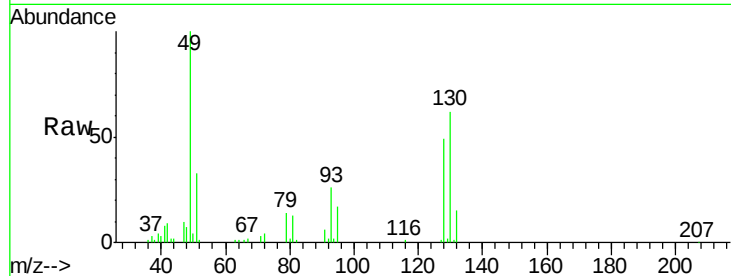
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	128	Resp:	46577
Ion	Ratio	Lower	Upper
128	100		
49	206.9	0.0	525.0
130	129.6	0.0	319.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.398 ug/l

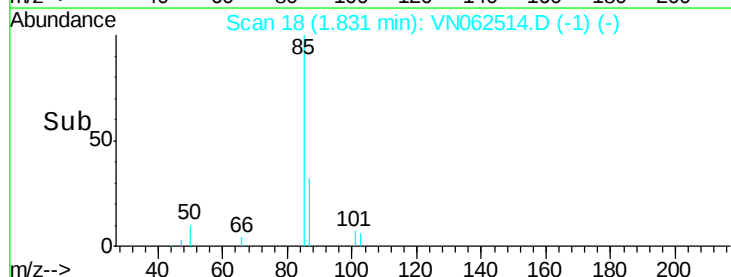
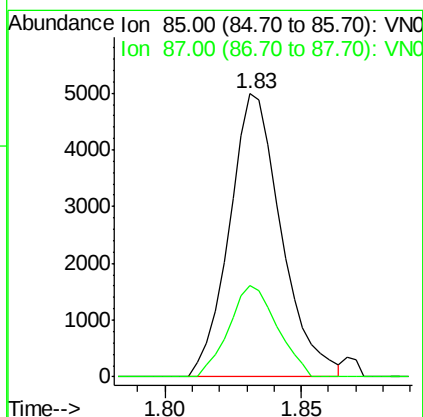
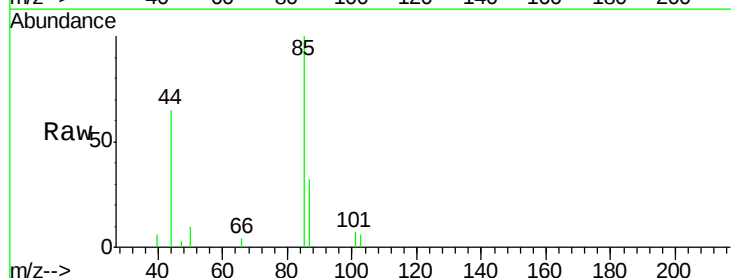
RT: 1.83 min Scan# 18

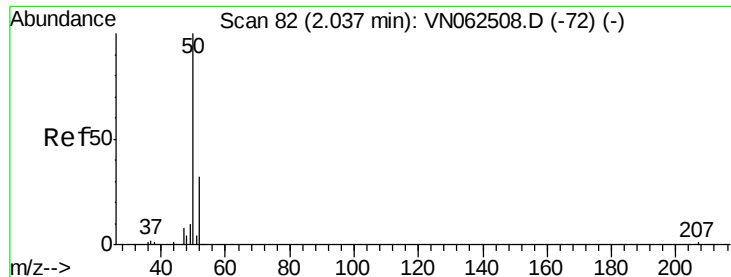
Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Tgt Ion:	85	Resp:	6593
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.6	46.7





#3

Chloromethane

Concen: 2.469 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 9801

Ion Ratio Lower Upper

50 100

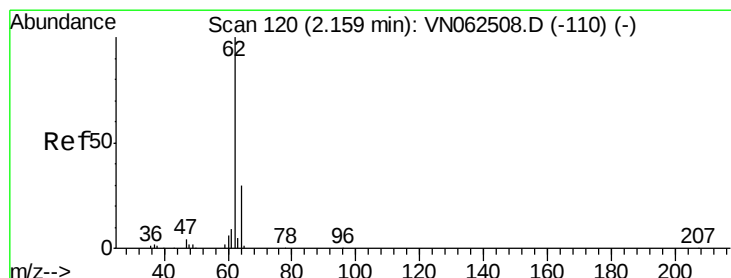
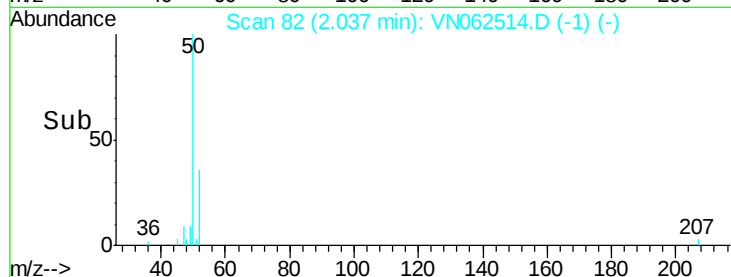
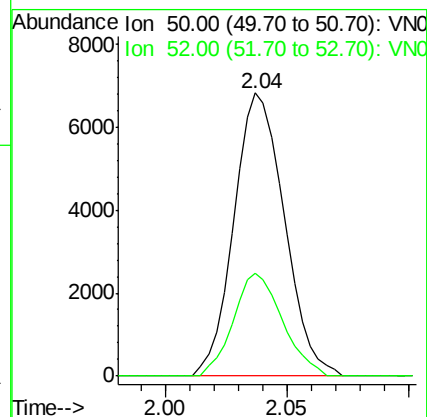
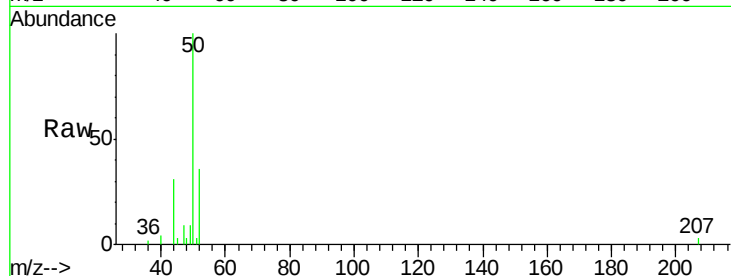
52 36.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.508 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062514.D

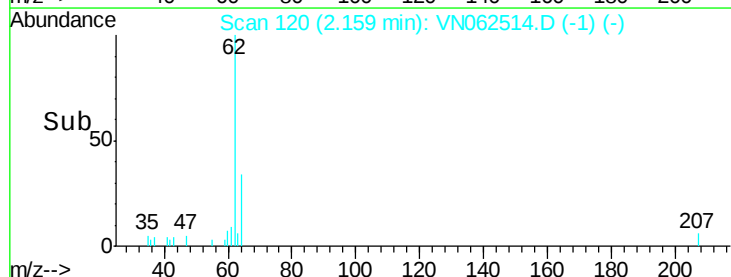
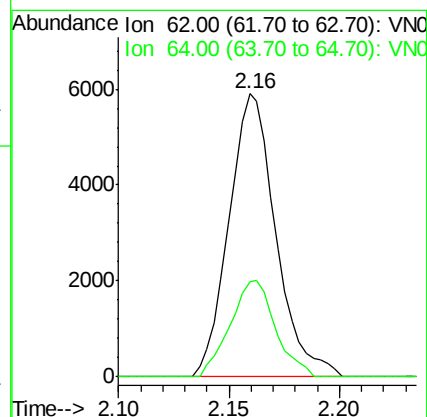
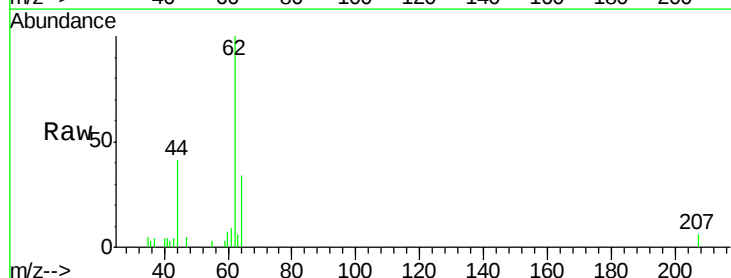
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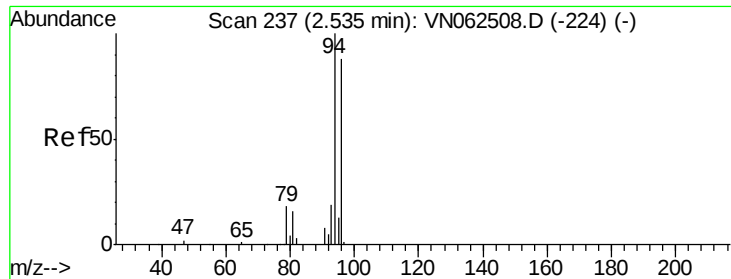
Tgt Ion: 62 Resp: 8702

Ion Ratio Lower Upper

62 100

64 33.8 24.3 36.5





#5

Bromomethane

Concen: 2.804 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 4827

Ion Ratio Lower Upper

94 100

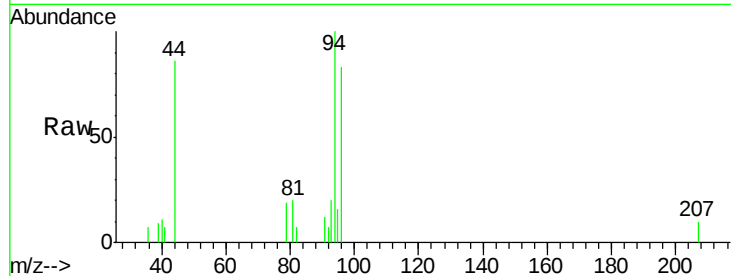
96 82.8 70.2 105.4

Manual Integrations

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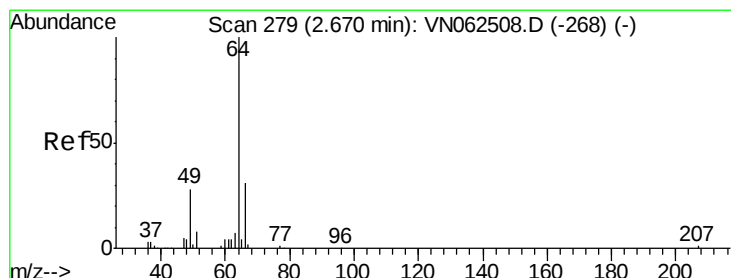
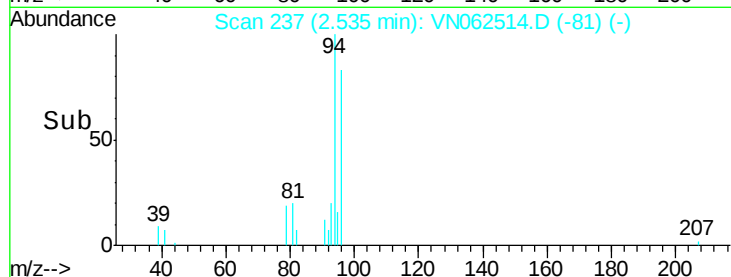
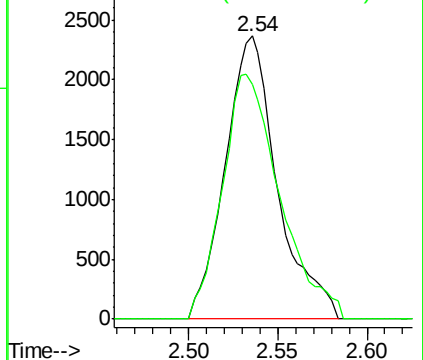
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 2.536 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN062514.D

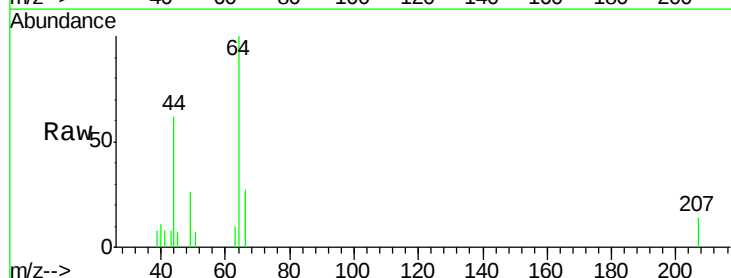
Acq: 13 Jul 2020 14:22

Tgt Ion: 64 Resp: 4332

Ion Ratio Lower Upper

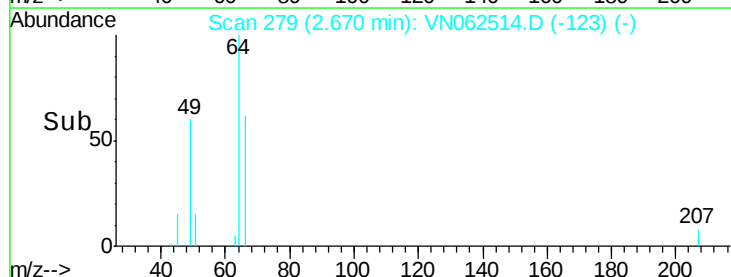
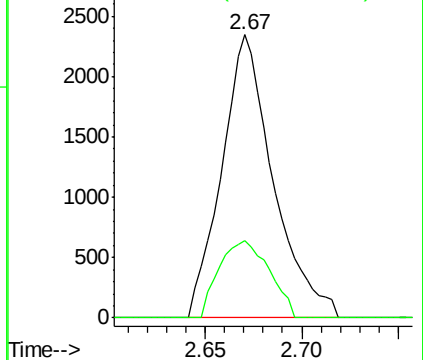
64 100

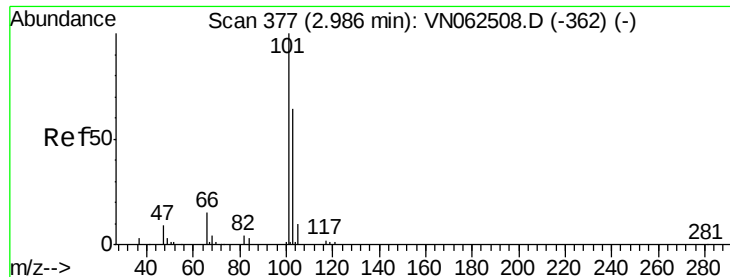
66 27.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 2.630 ug/l

RT: 2.98 min Scan# 376

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

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LOD-MDL-WATER-01-QT3-2020

Tot Ion: 101 Resp: 10696

Ion Ratio Lower Upper

101 100

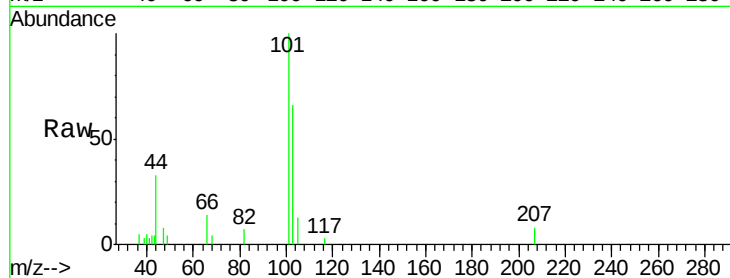
103 66.2 50.9 76.3

Manual Integrations

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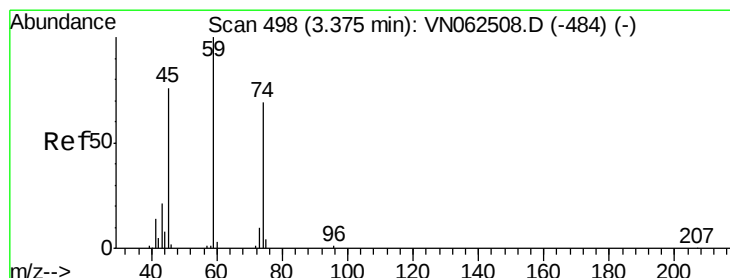
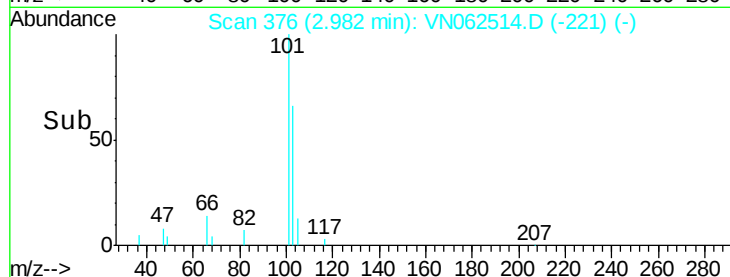
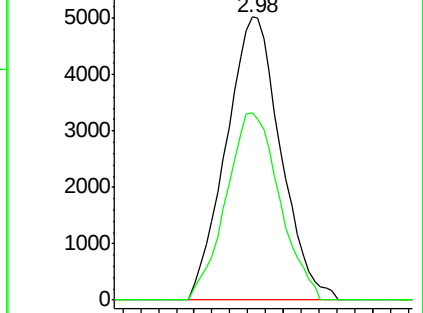
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 2.662 ug/l

RT: 3.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VN062514.D

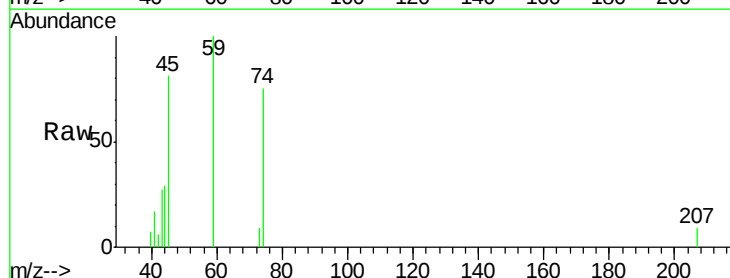
Acq: 13 Jul 2020 14:22

Tgt Ion: 74 Resp: 5205

Ion Ratio Lower Upper

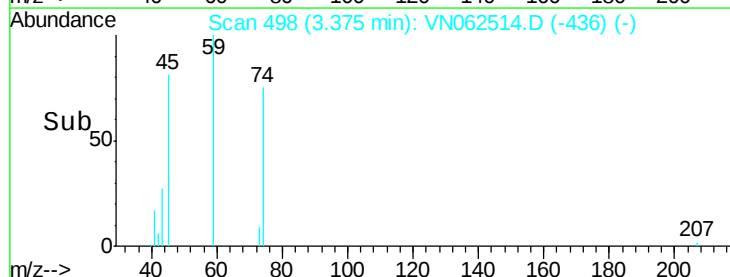
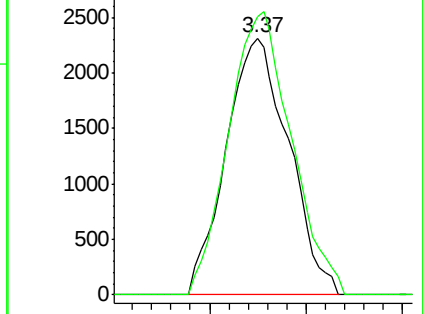
74 100

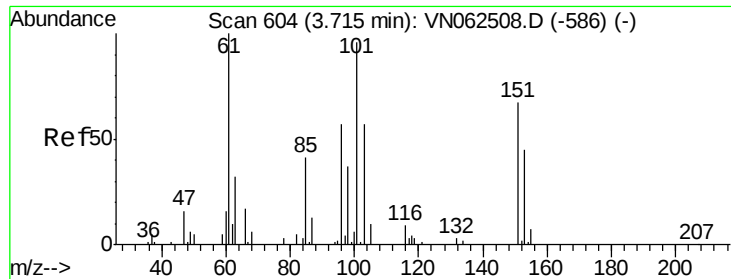
45 110.6 21.8 196.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.650 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

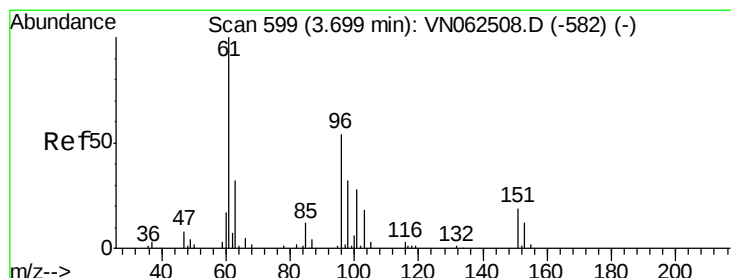
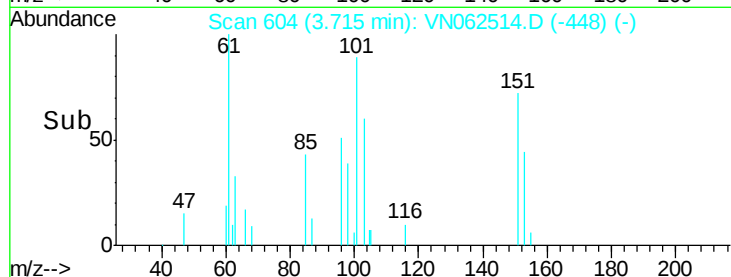
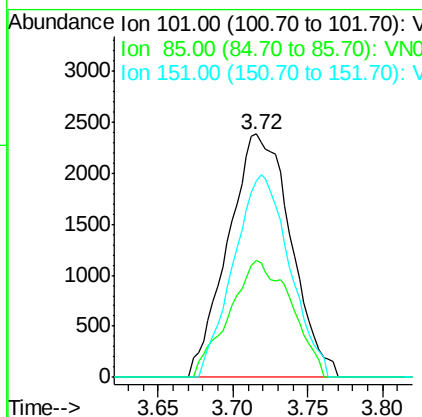
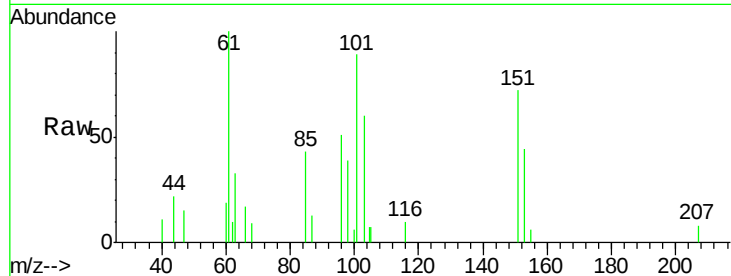
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	6967
Ion Ratio	Lower	Upper	
101	100		
85	33.5	0.0	90.4
151	74.4	0.0	145.6

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7/14/2020 11:36:50 AM



#10

1,1-Dichloroethene

Concen: 2.722 ug/l

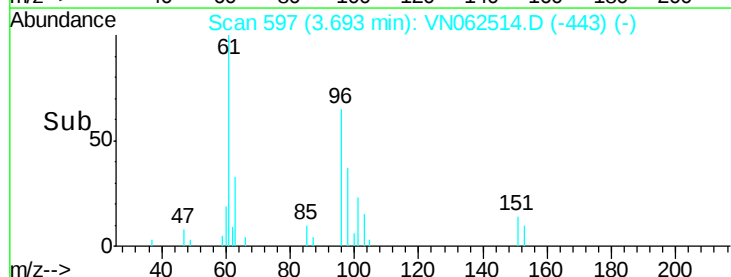
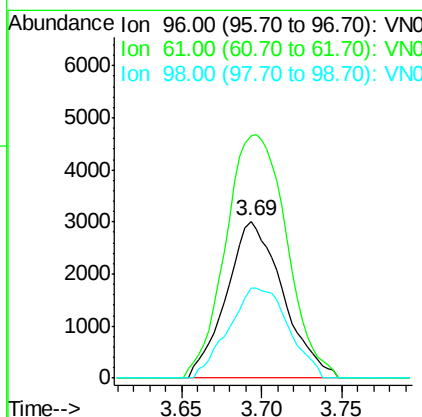
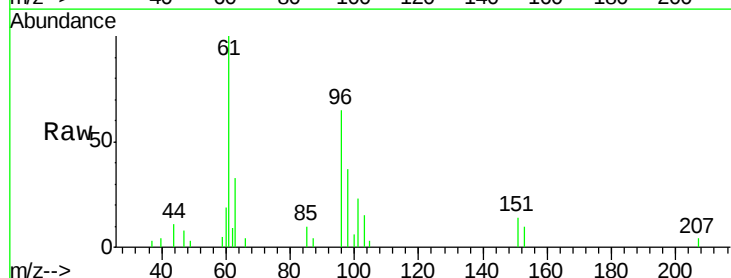
RT: 3.69 min Scan# 597

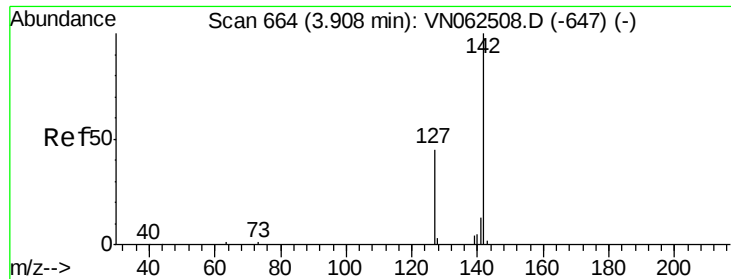
Delta R.T. -0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Tgt Ion:	96	Resp:	7301
Ion Ratio	Lower	Upper	
96	100		
61	154.4	147.8	221.8
98	57.8	47.8	71.8





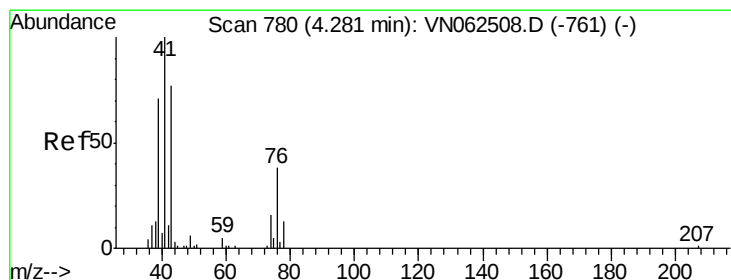
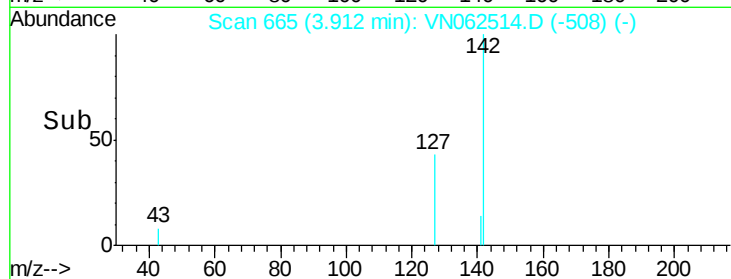
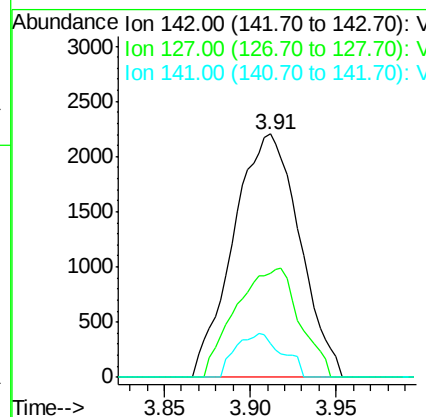
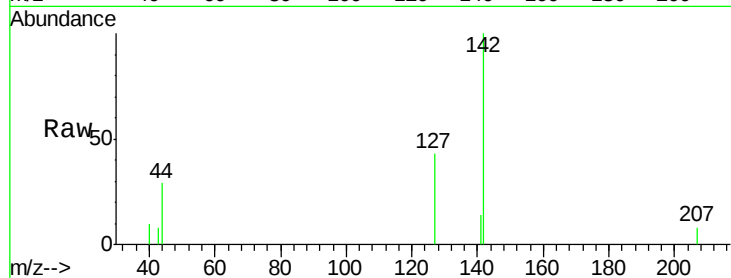
#11
Methvl Iodide
Concen: 1.796 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.0	22.1	66.5
141	14.0	6.5	19.4

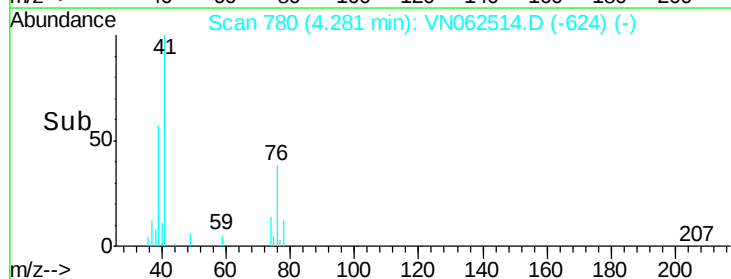
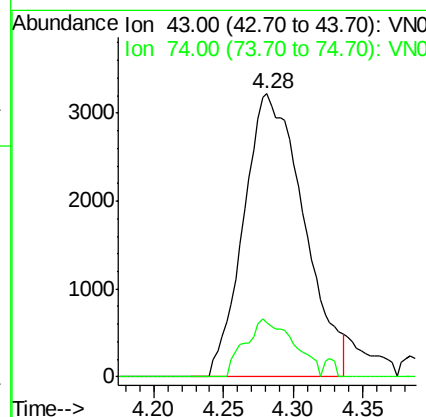
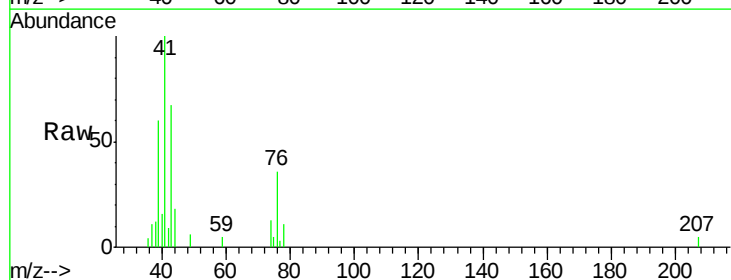
Manual Integrations
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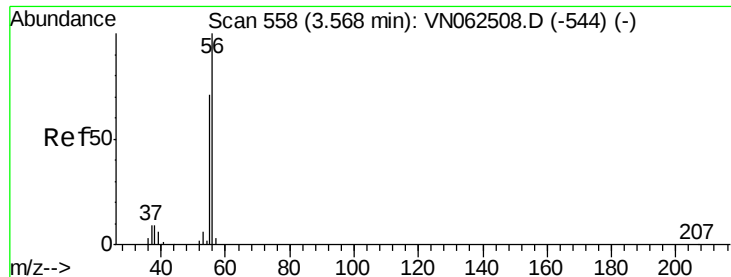
MMDadoda
7/14/2020 11:36:50 AM



#12
Methyl Acetate
Concen: 2.680 ug/l m
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	16.7	25.1





#13

Acrolein

Concen: 8.639 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 4643

Ion Ratio Lower Upper

56 100

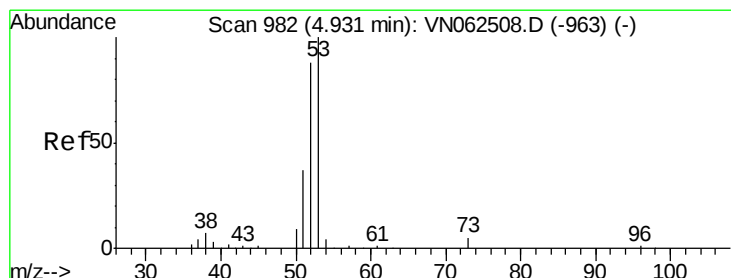
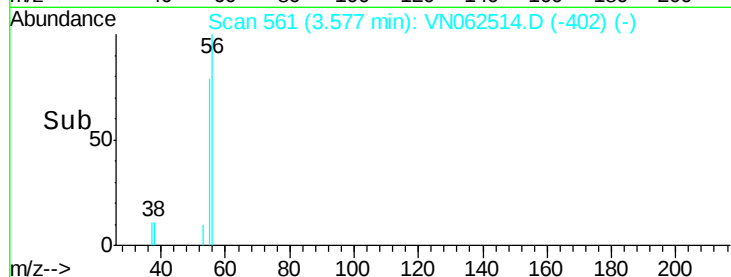
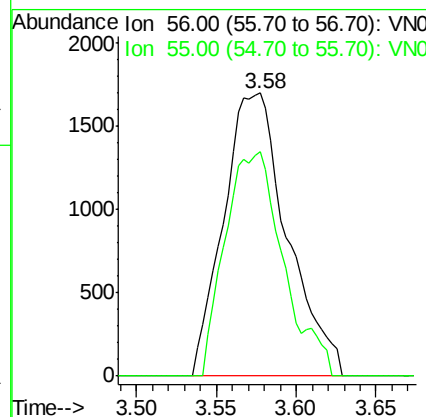
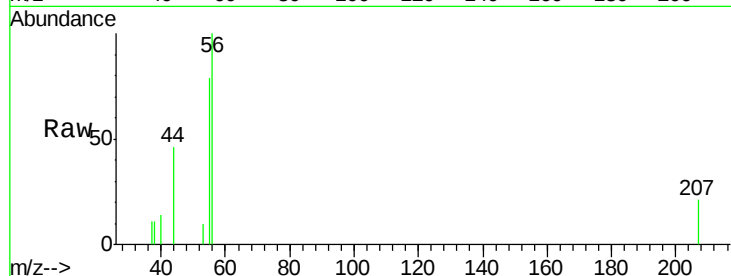
55 32.8 56.0 84.0#

Manual Integrations

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#14

Acrylonitrile

Concen: 11.876 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

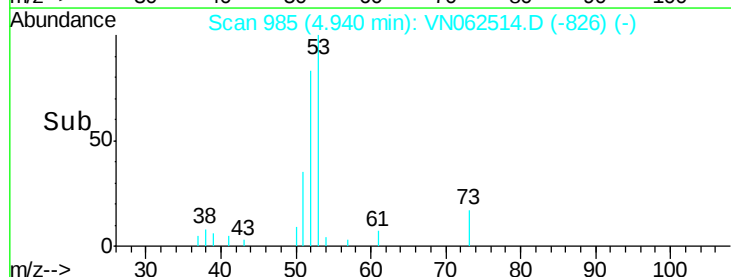
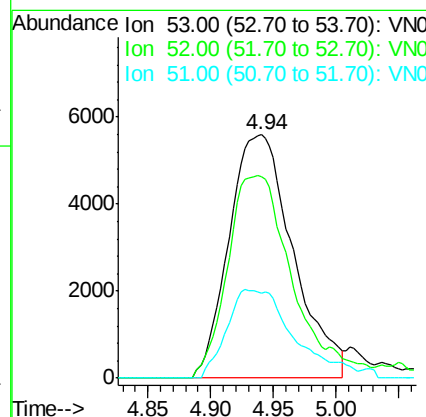
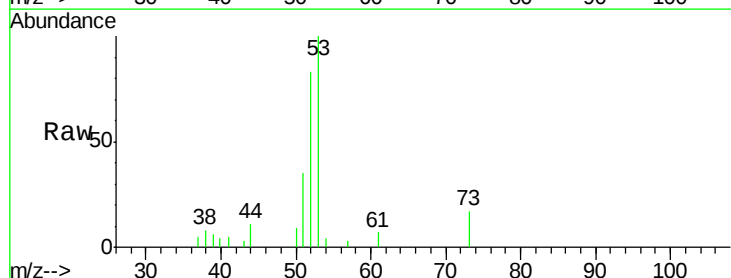
Tgt Ion: 53 Resp: 19868

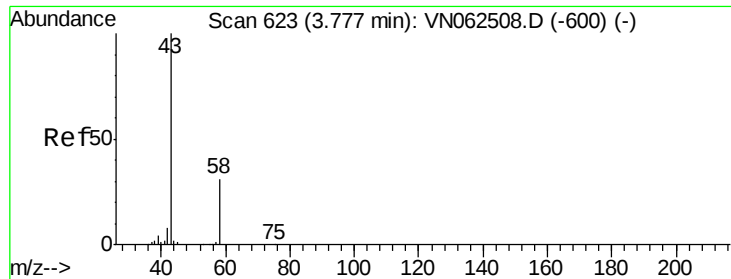
Ion Ratio Lower Upper

53 100

52 79.3 41.8 125.4

51 19.4 18.5 55.5





#15

Acetone

Concen: 11.438 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 58 Resp: 5874

Ion Ratio Lower Upper

58 100

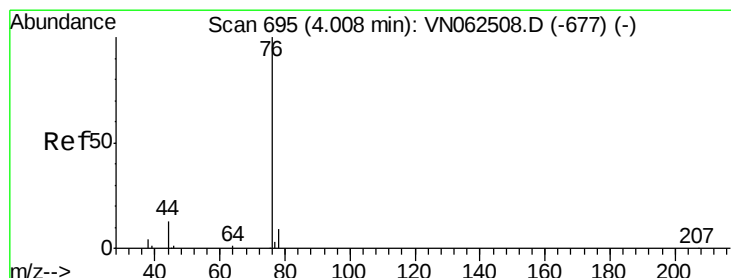
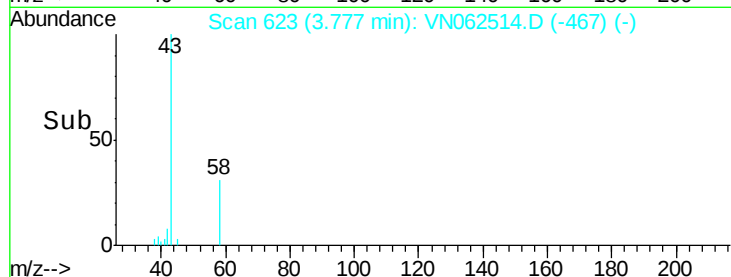
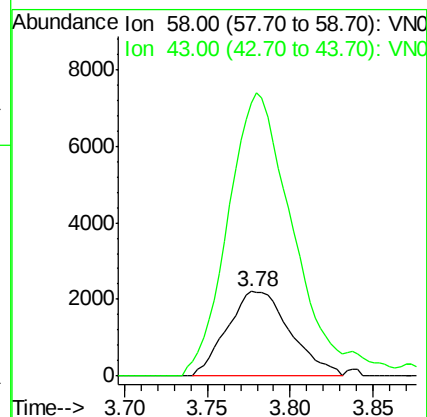
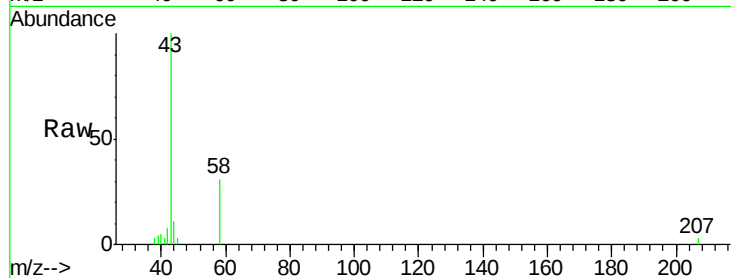
43 305.0 261.1 391.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.759 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062514.D

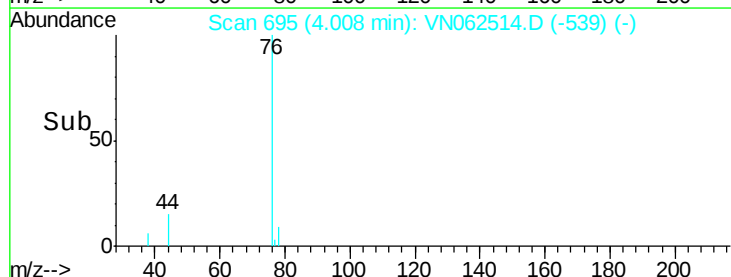
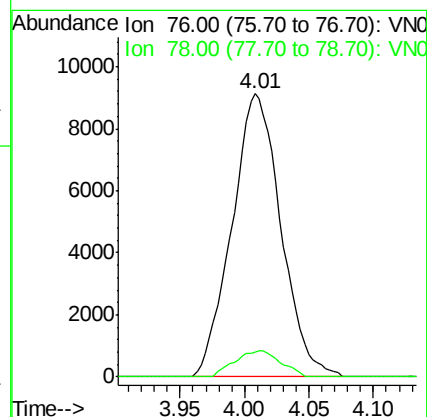
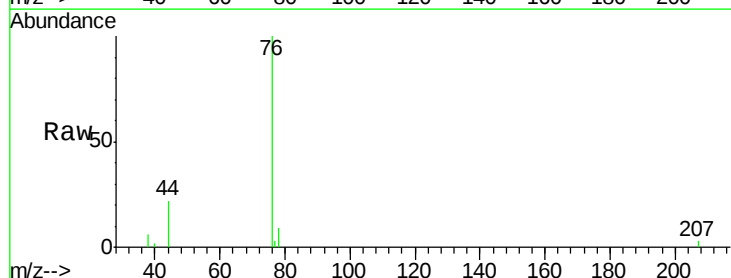
Acq: 13 Jul 2020 14:22

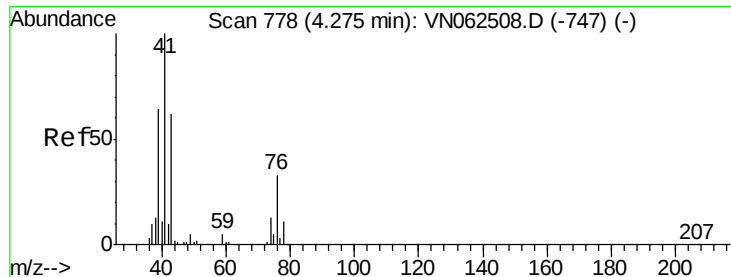
Tgt Ion: 76 Resp: 24114

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





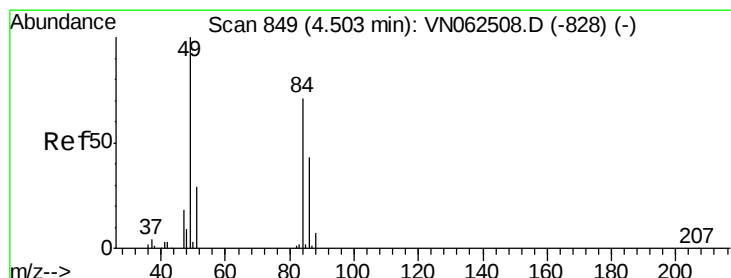
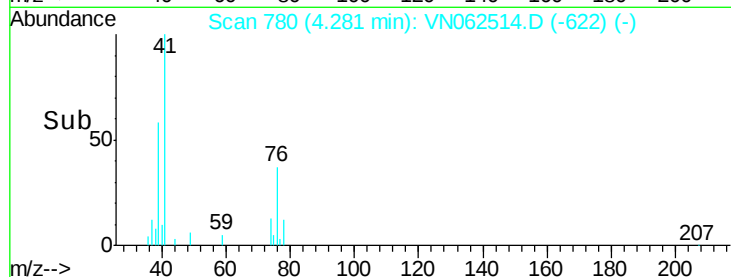
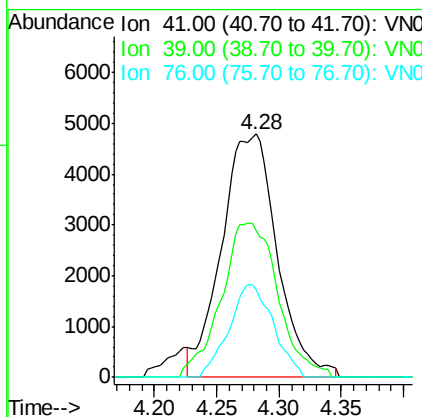
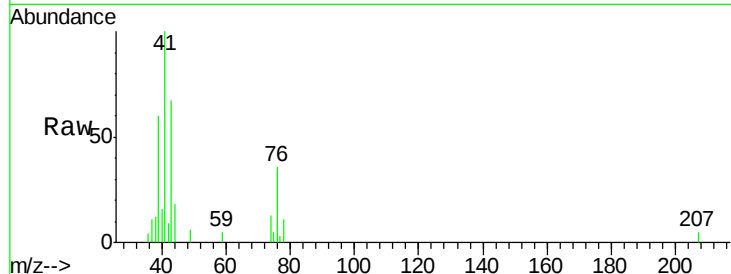
#17
Allvl chloride
Concen: 2.606 ug/l m
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion:	41	Resp:	14864
Ion	Ratio	Lower	Upper
41	100		
39	60.2	31.9	95.5
76	36.0	16.6	49.8

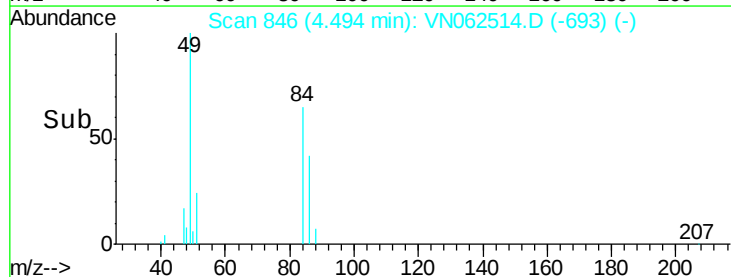
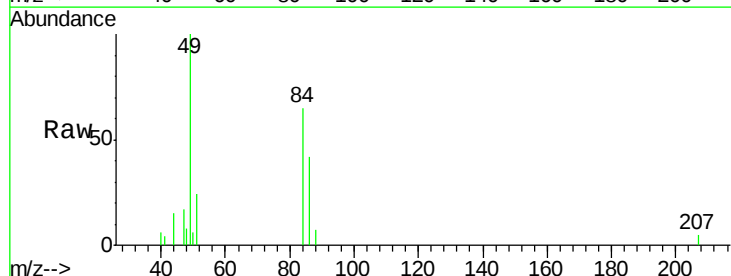
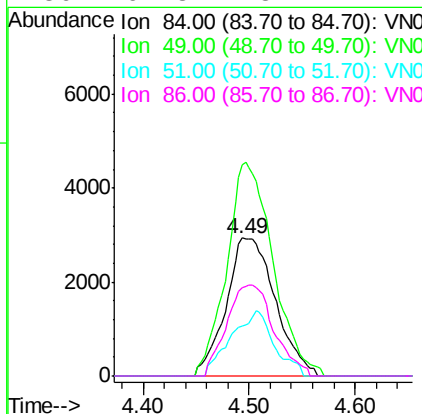
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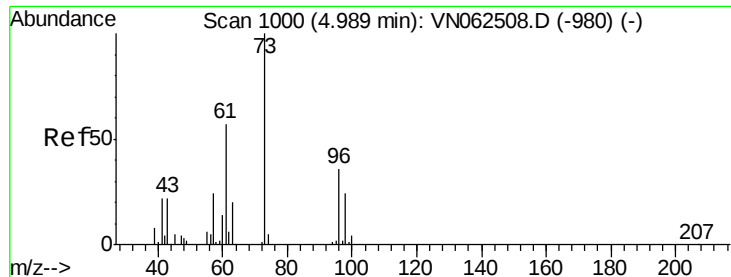
MMDadoda
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#18
Methylene Chloride
Concen: 2.860 ug/l m
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:	84	Resp:	9438
Ion	Ratio	Lower	Upper
84	100		
49	153.0	112.1	168.1
51	36.3	33.0	49.4
86	64.3	48.2	72.4





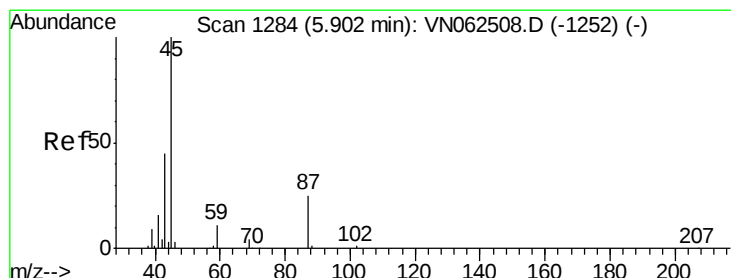
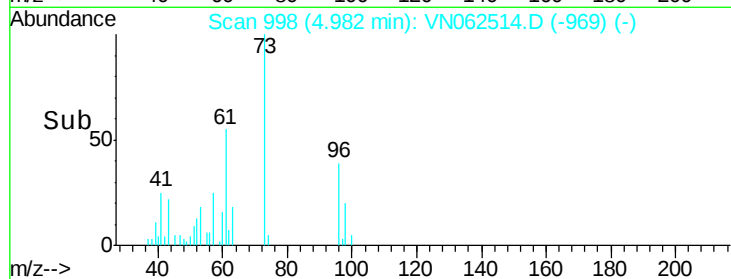
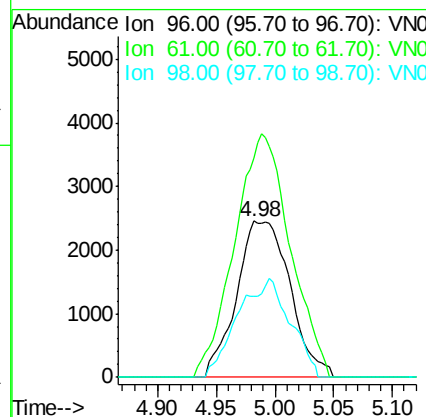
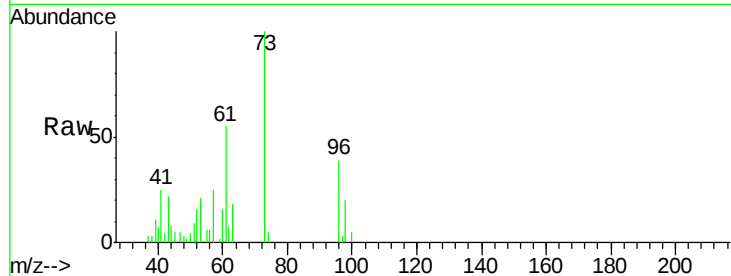
#19
trans-1,2-Dichloroethene
Concen: 2.622 ug/l m
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	125.7	188.5
98	51.5	54.1	81.1#

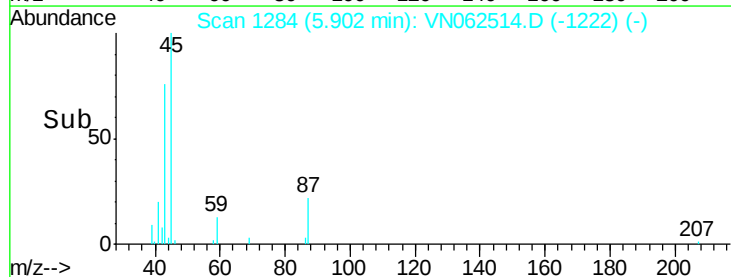
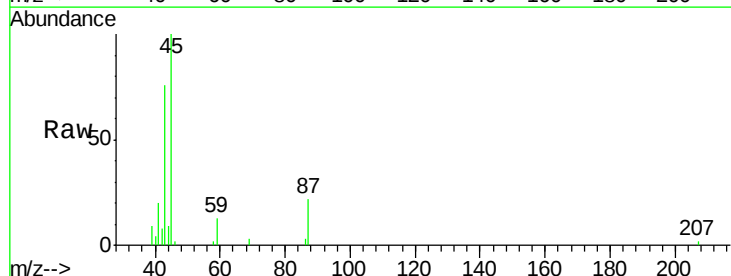
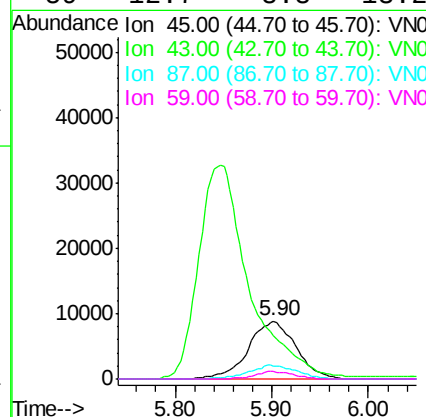
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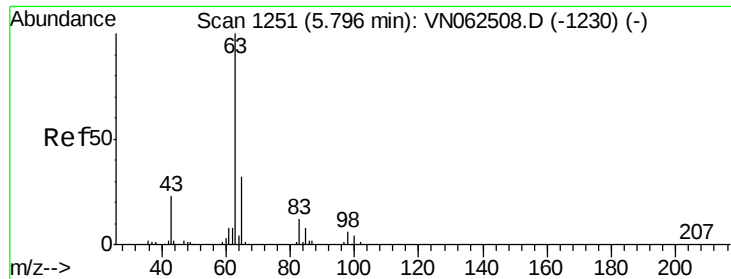
MMDadoda
7/14/2020 11:36:50 AM



#20
Diisopropyl ether
Concen: 2.569 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.6	51.3	76.9
87	22.3	19.8	29.6
59	12.7	8.8	13.2





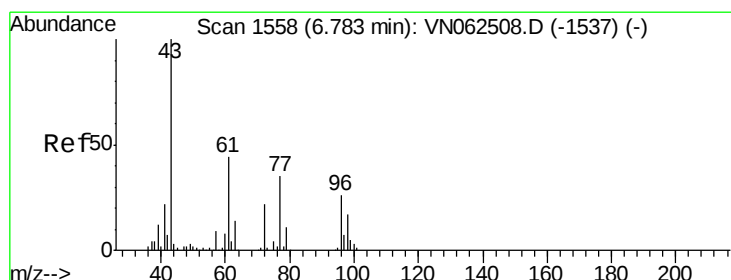
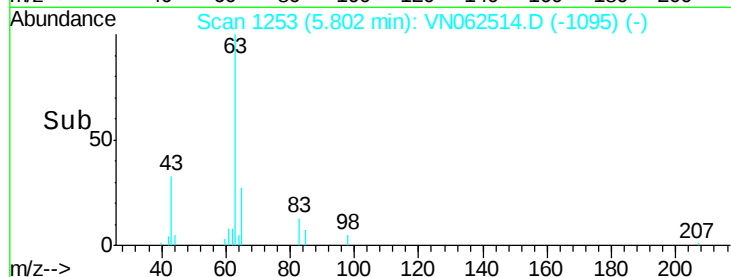
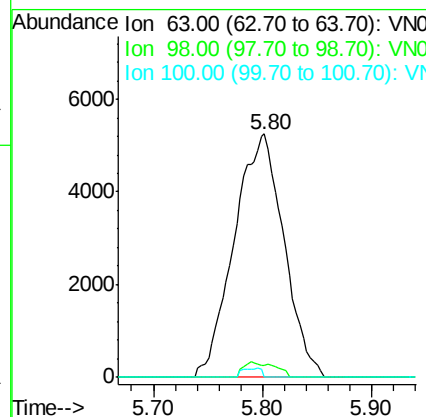
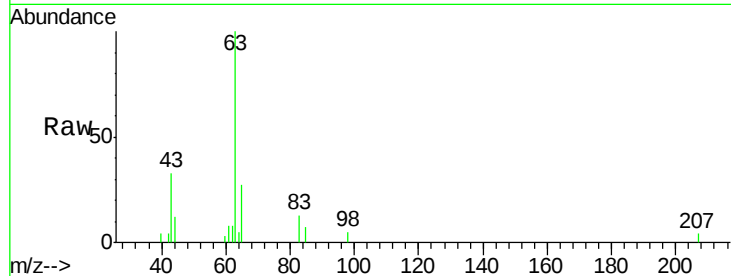
#21
 1,1-Dichloroethane
 Concen: 2.680 ug/l m
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion:	63	Resp:	16617
Ion Ratio	Lower	Upper	
63	100		
98	4.9	2.8	8.4
100	0.0	2.0	5.8#

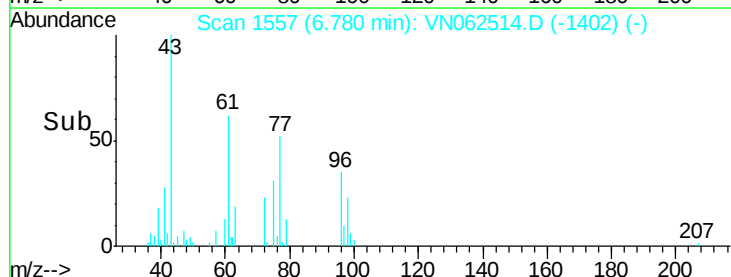
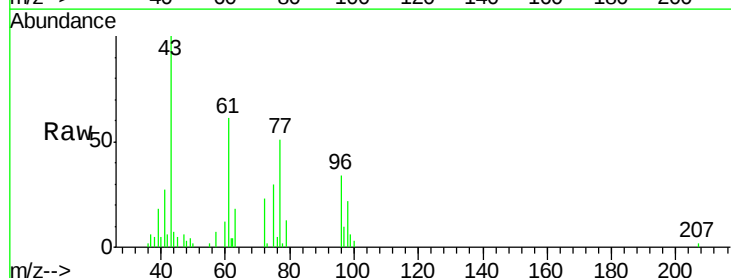
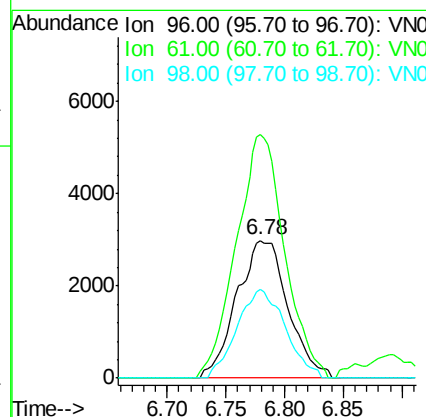
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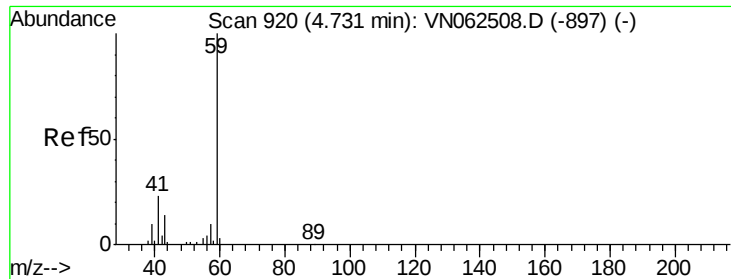
MMDadoda
 7/14/2020 11:36:50 AM



#22
 cis-1,2-Dichloroethene
 Concen: 2.699 ug/l m
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion:	96	Resp:	9036
Ion Ratio	Lower	Upper	
96	100		
61	167.6	134.9	202.3
98	61.0	51.5	77.3





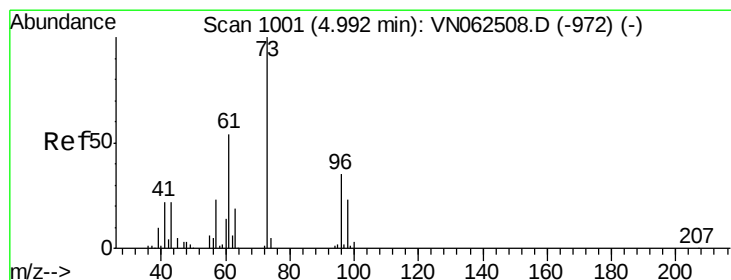
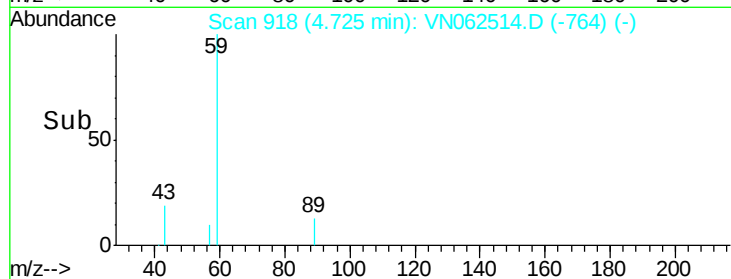
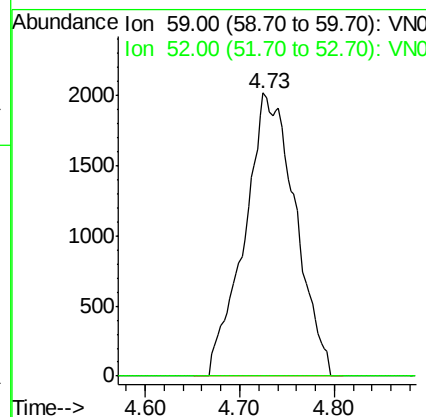
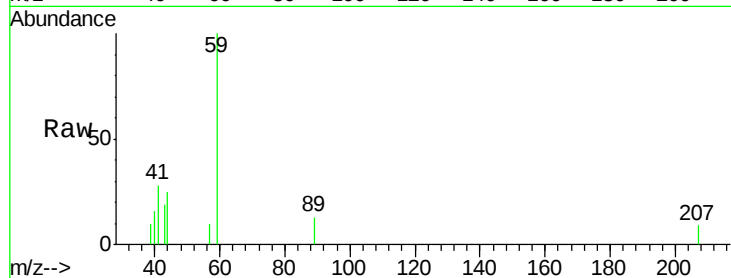
#23
tert-Butyl Alcohol
Concen: 13.407 ug/l m
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
59	100		
52	209.9	0.0	0.0#

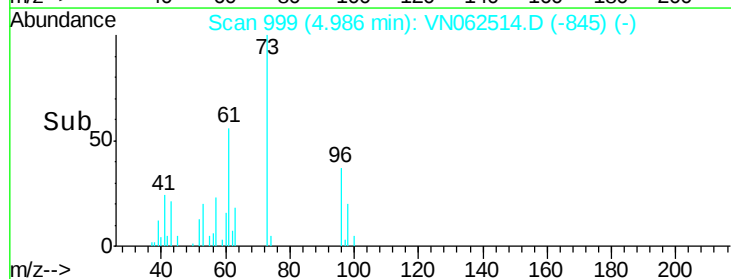
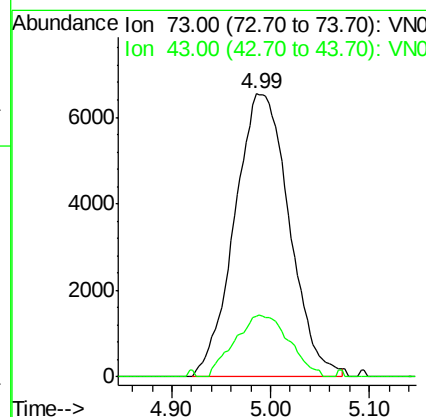
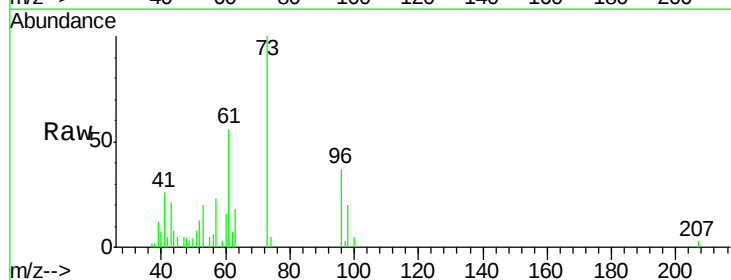
Manual Integrations
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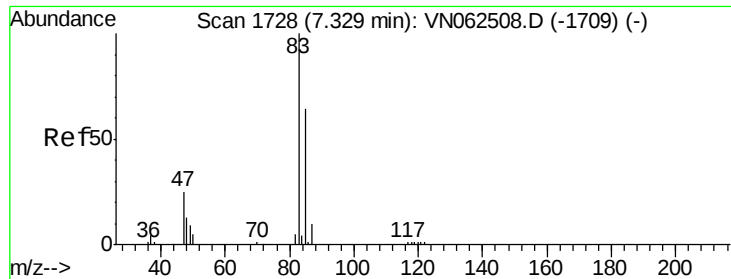
MMDadoda
7/14/2020 11:36:50 AM



#24
Methyl tert-Butyl Ether
Concen: 2.542 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
73	100		
43	13.6	16.9	25.3#





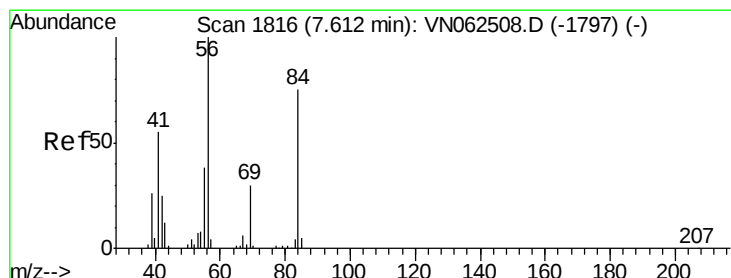
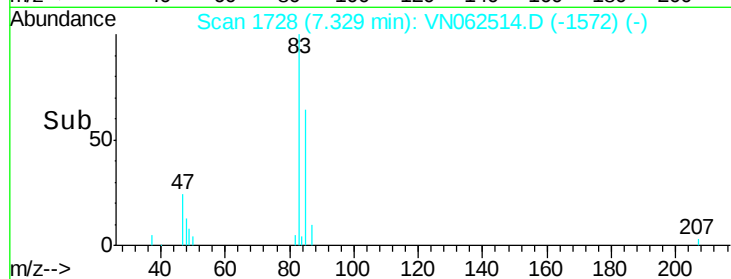
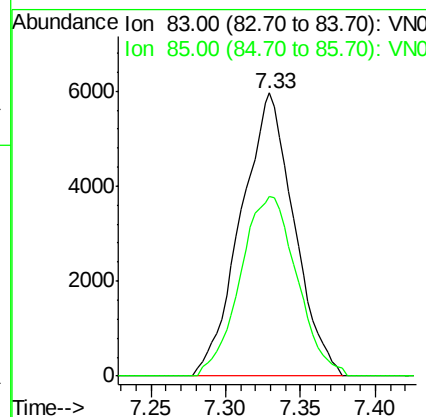
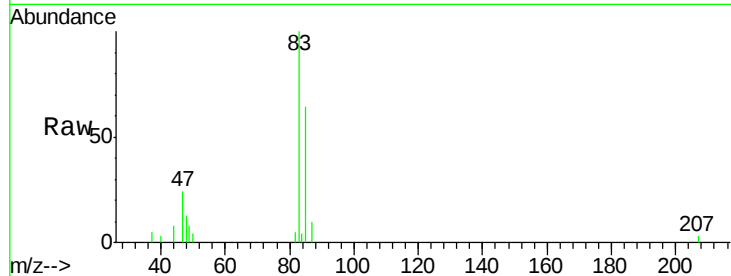
#25
Chloroform
Concen: 2.592 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	83	Resp	14737
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.0	76.4

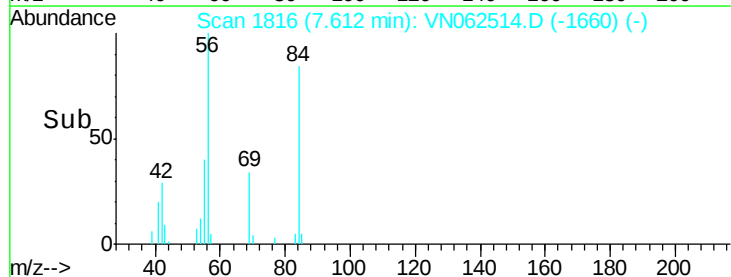
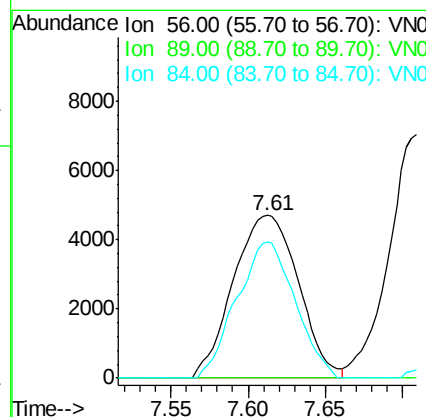
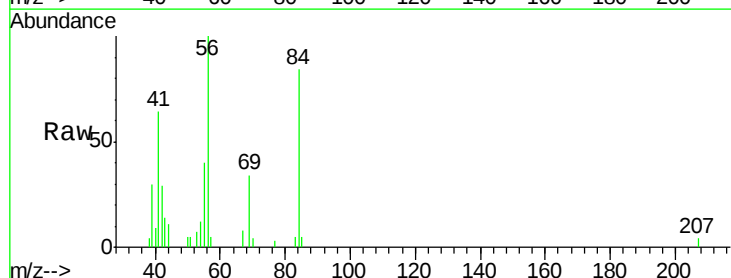
Manual Integrations
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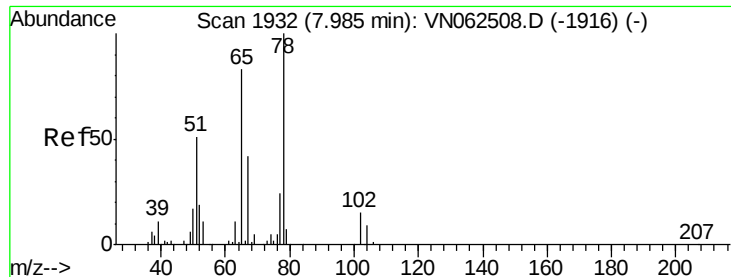
MMDadoda
7/14/2020 11:36:50 AM



#26
Cyclohexane
Concen: 2.525 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	56	Resp	13799
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	75.2	61.1	91.7





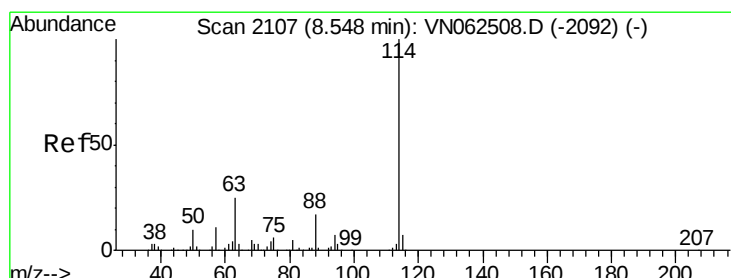
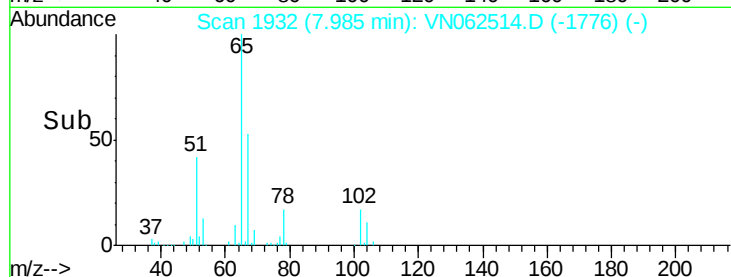
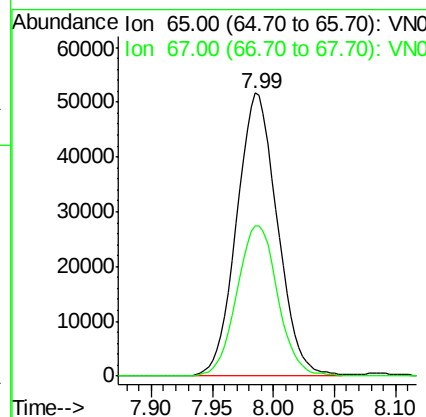
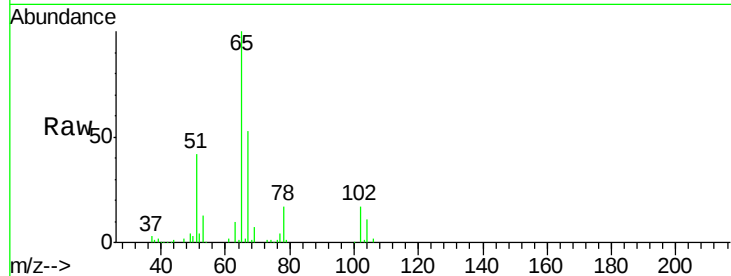
#27
 1,2-Dichloroethane-d4
 Concen: 29.908 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	41.7	62.5

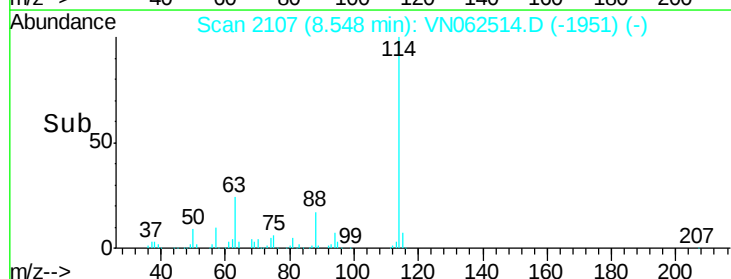
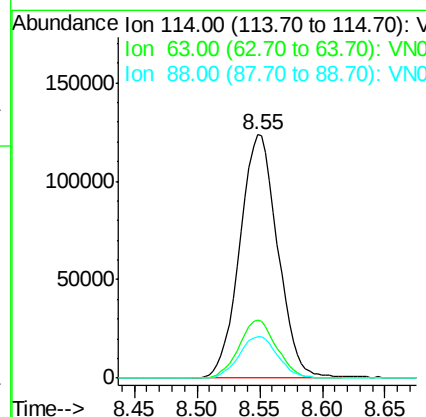
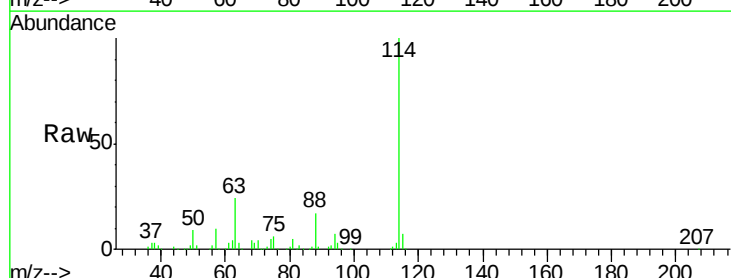
Manual Integrations
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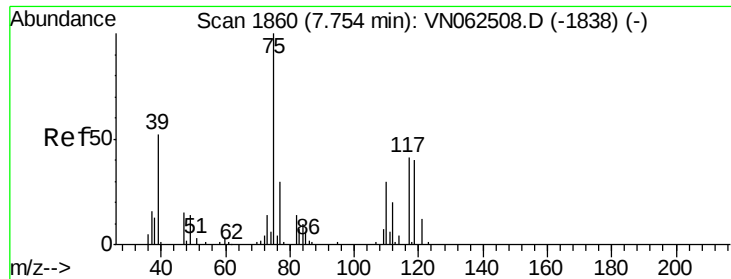
MMDadoda
 7/14/2020 11:36:50 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.0
88	17.4	13.5	20.3





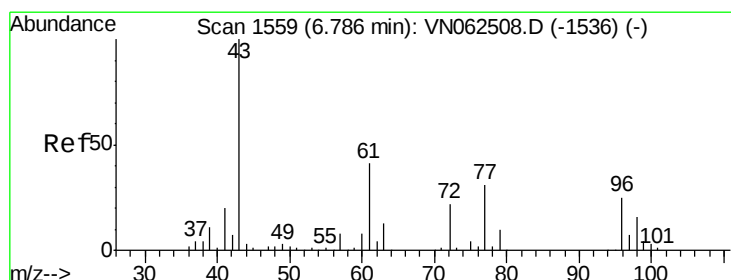
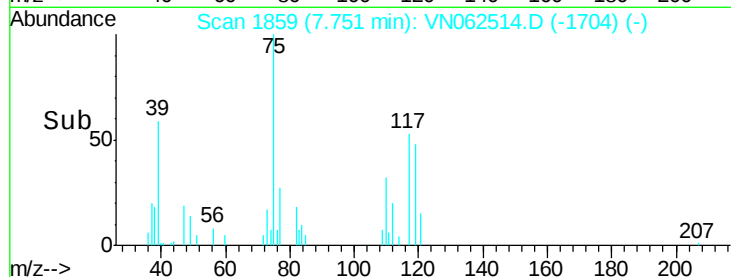
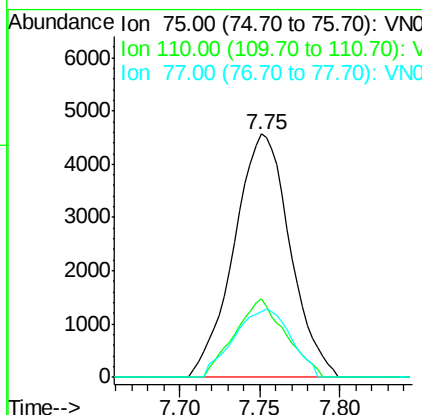
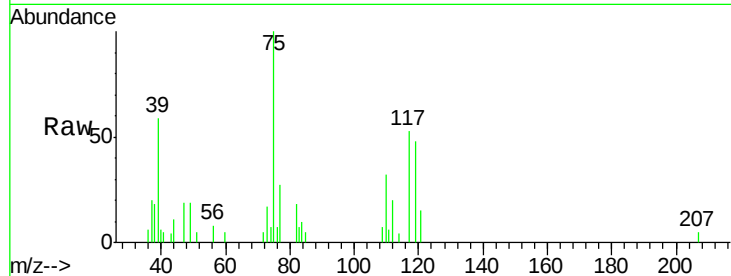
#29
 1,1-Dichloropropene
 Concen: 2.482 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.4	0.0	62.4
77	28.6	0.0	62.8

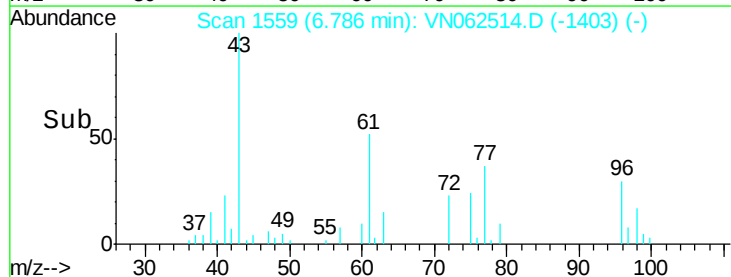
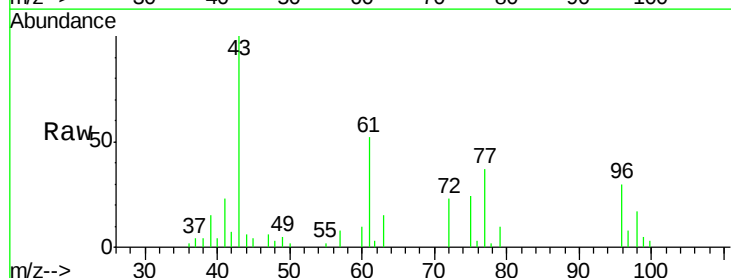
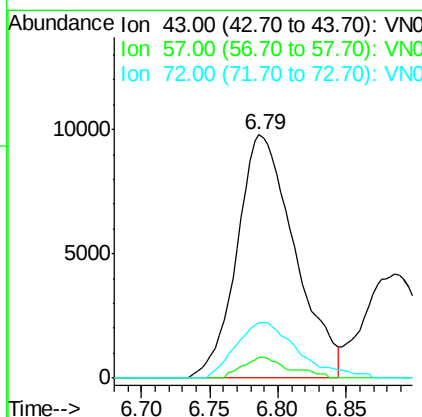
Manual Integrations
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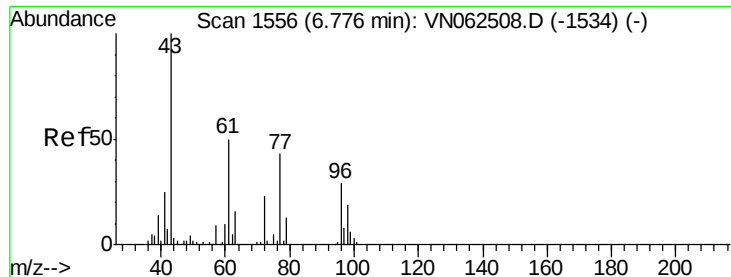
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 7/14/2020 11:36:50 AM



#30
 2-Butanone
 Concen: 12.306 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	5.7	6.6	9.8#
72	24.5	18.5	27.7





#31

2,2-Dichloropropane

Concen: 2.820 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 77 Resp: 14029

Ion Ratio Lower Upper

77 100

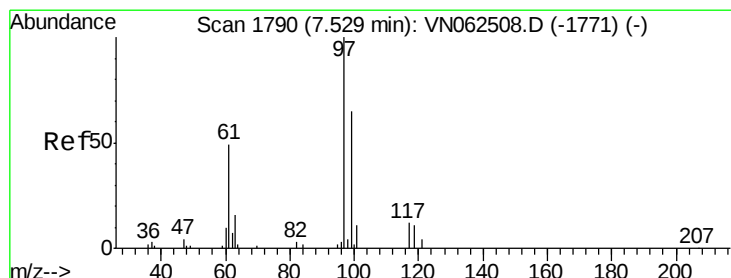
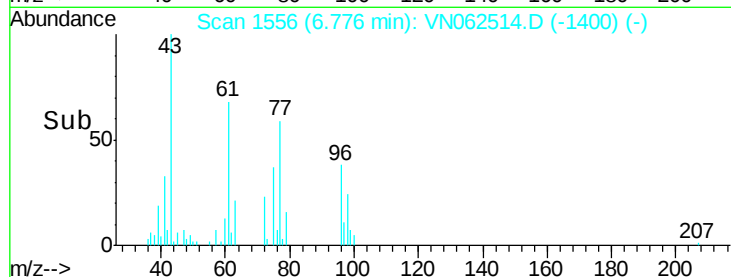
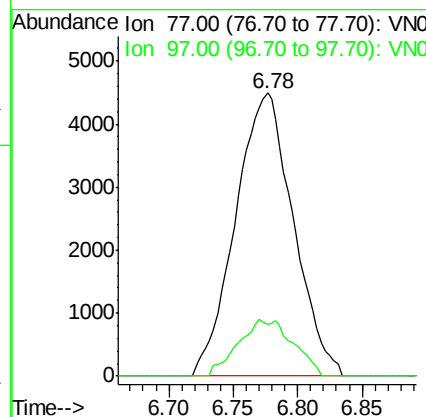
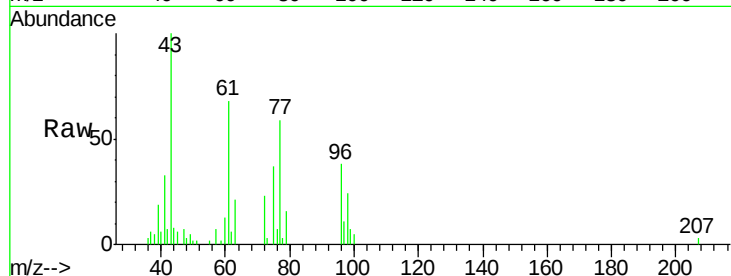
97 10.4 8.6 12.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 2.690 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

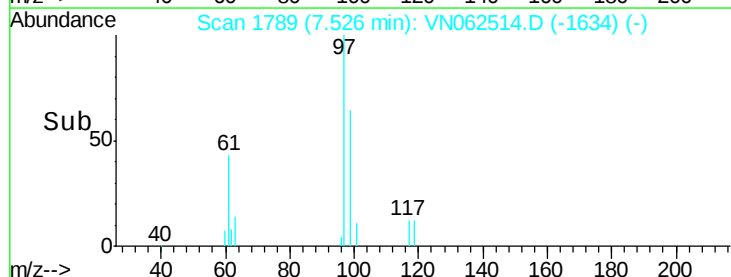
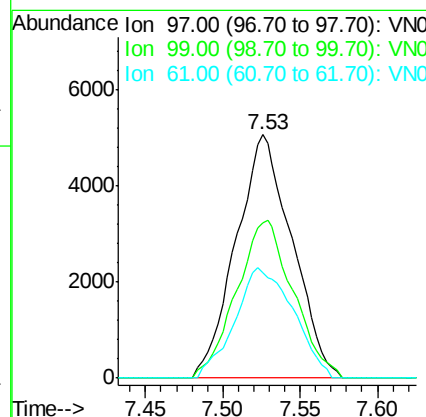
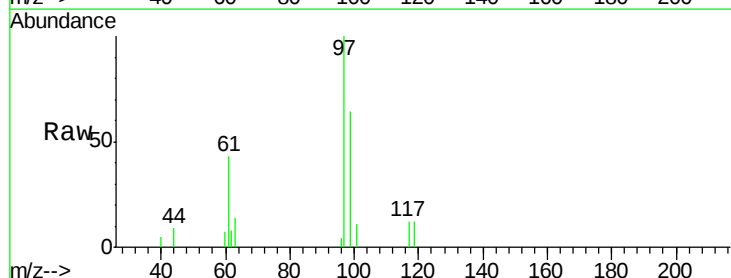
Tgt Ion: 97 Resp: 12759

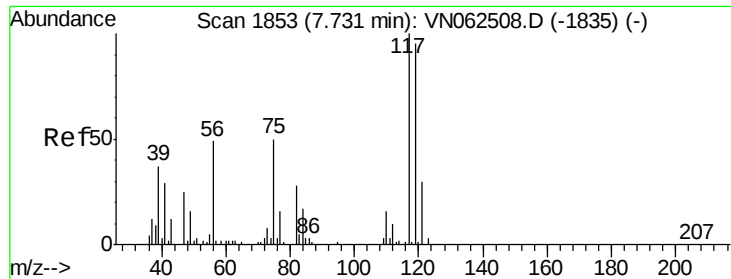
Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.8

61 47.0 39.4 59.0





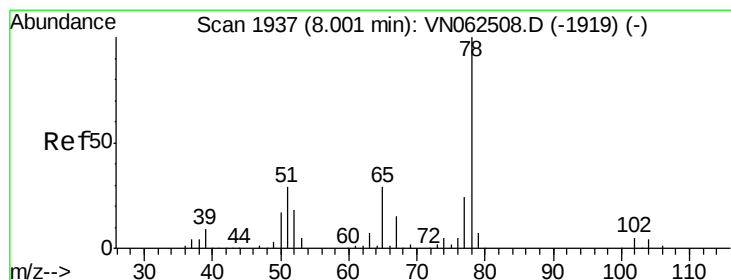
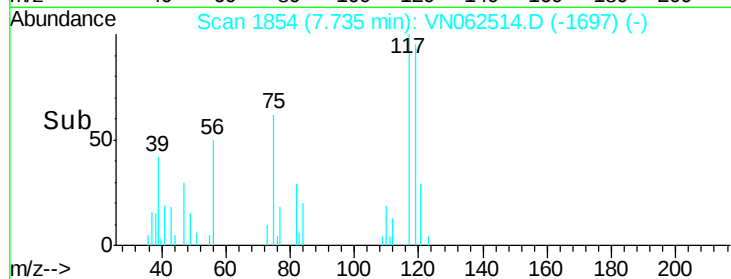
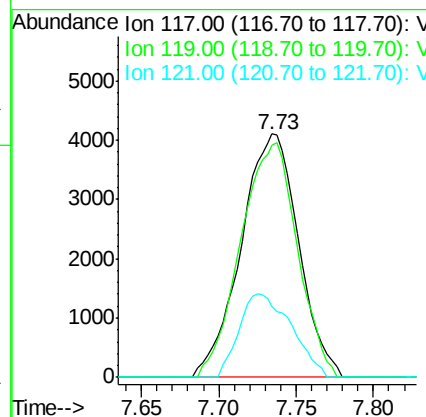
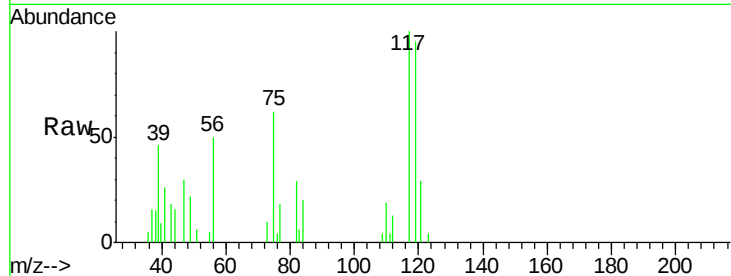
#33
Carbon Tetrachloride
Concen: 2.575 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.4
121	29.3	23.8	35.6

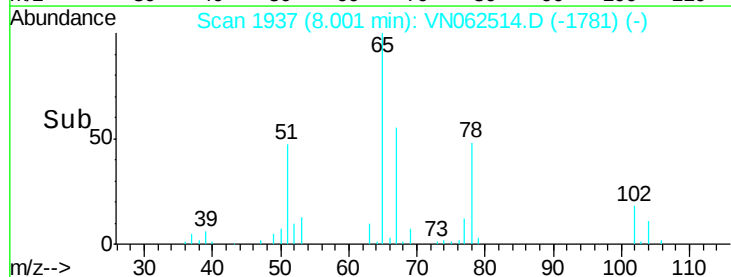
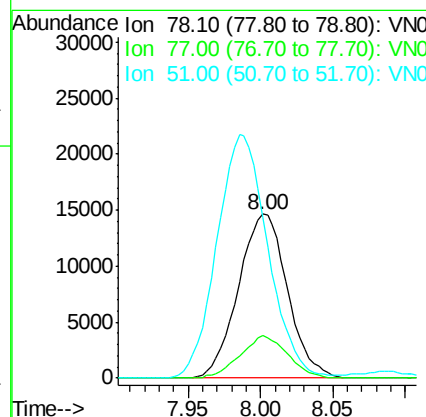
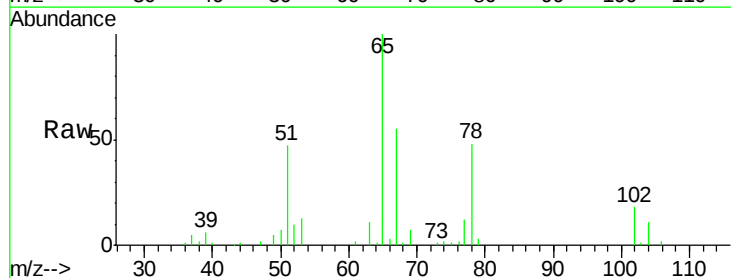
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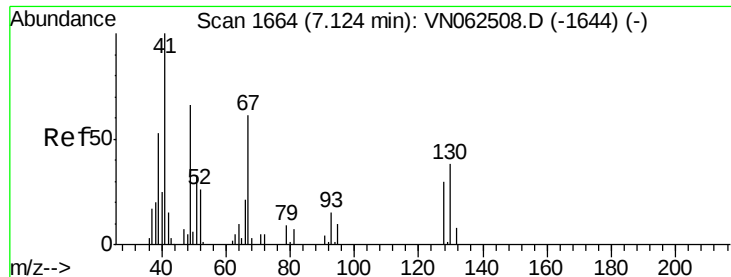
MMDadoda
7/14/2020 11:36:50 AM



#34
Benzene
Concen: 2.631 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.9	28.3
51	96.0	23.1	34.7#





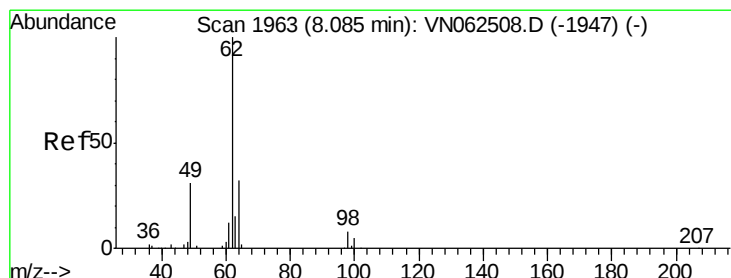
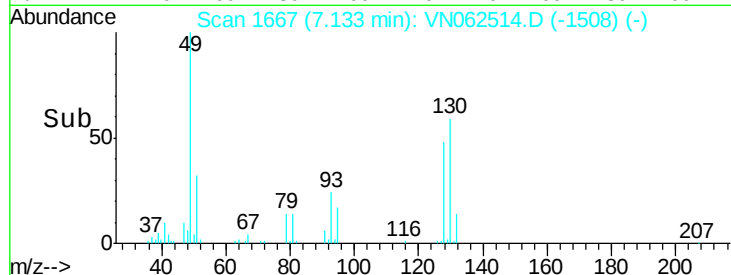
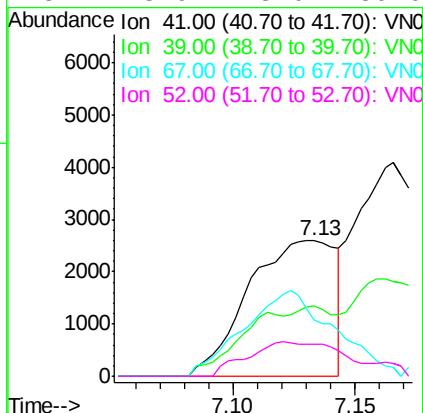
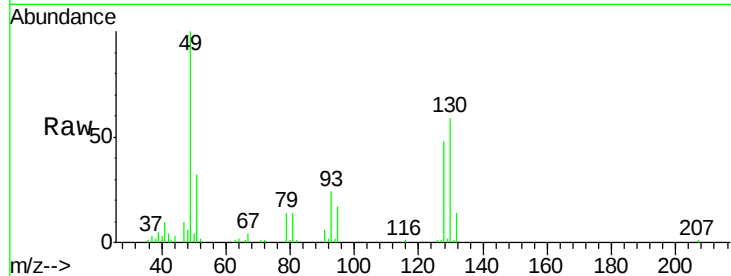
#35
Methacrylonitrile
Concen: 3.125 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion:	41	Resp:	6423
Ion	Ratio	Lower	Upper
41	100		
39	51.9	26.5	79.5
67	41.2	30.7	92.1
52	23.9	13.0	39.0

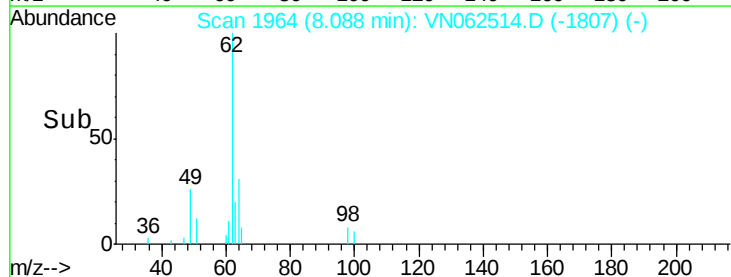
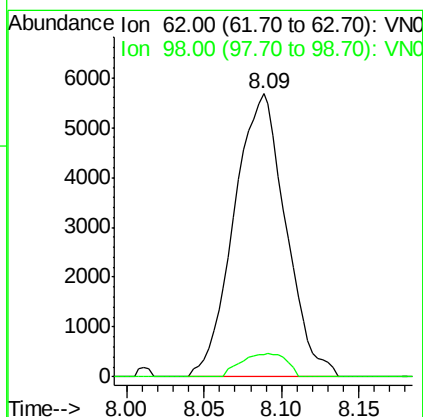
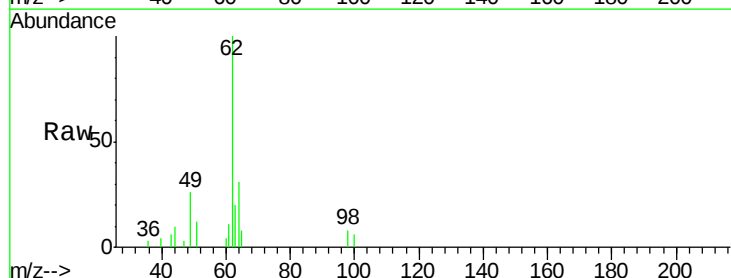
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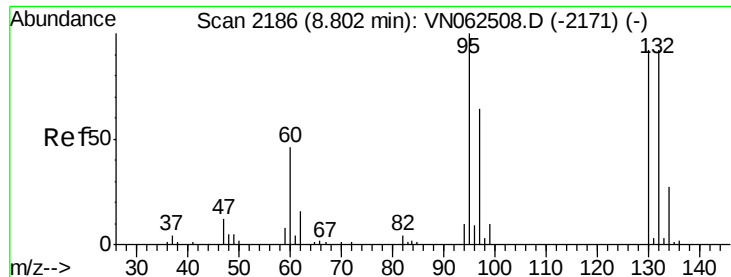
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7/14/2020 11:36:50 AM



#36
1,2-Dichloroethane
Concen: 2.805 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion:	62	Resp:	13218
Ion	Ratio	Lower	Upper
62	100		
98	7.2	6.6	9.8





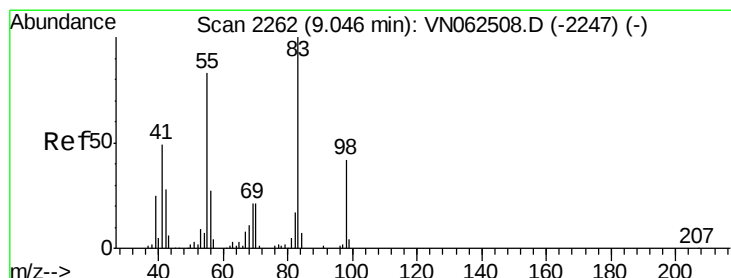
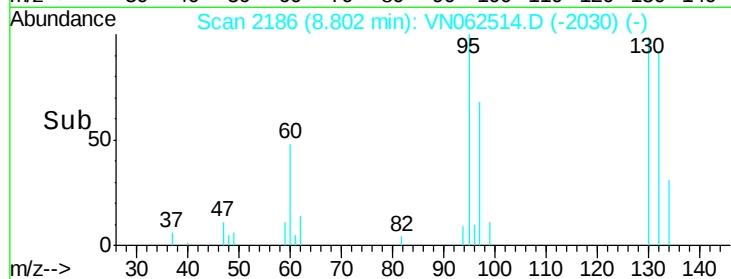
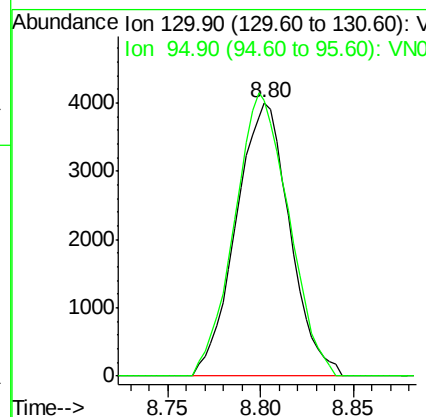
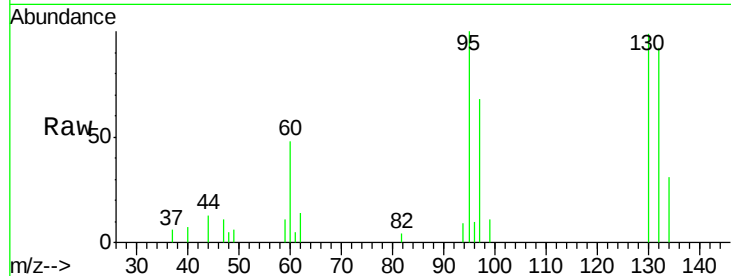
#37
 Trichloroethene
 Concen: 2.746 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion:130 Resp: 8086
 Ion Ratio Lower Upper
 130 100
 95 101.0 86.5 129.7

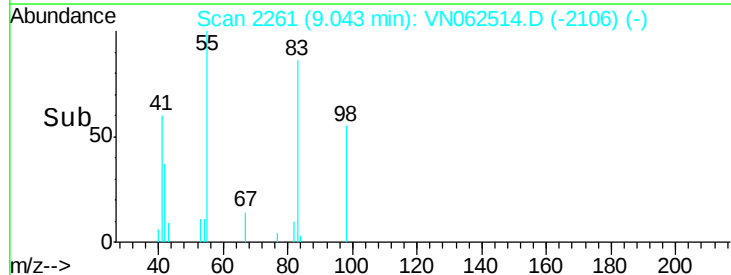
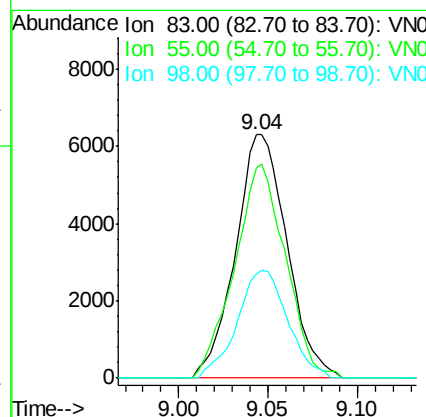
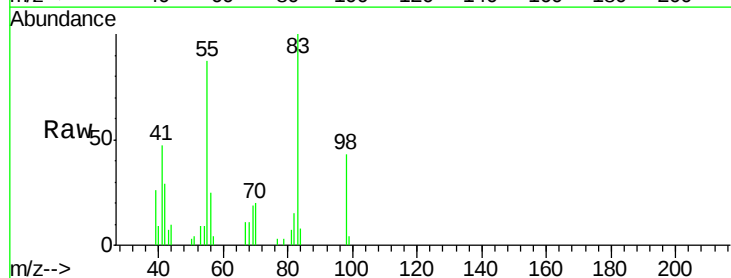
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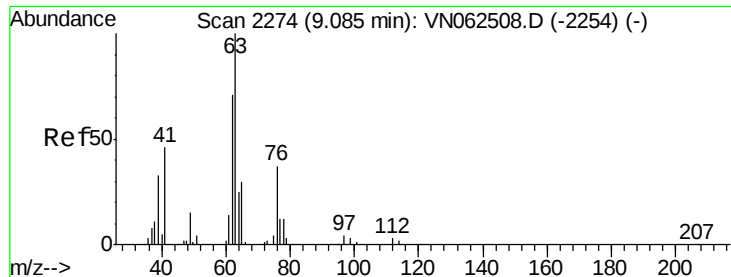
MMDadoda
 7/14/2020 11:36:50 AM



#38
 Methylcyclohexane
 Concen: 2.567 ug/l
 RT: 9.04 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 83 Resp: 12705
 Ion Ratio Lower Upper
 83 100
 55 86.4 42.8 128.3
 98 43.4 21.9 65.7





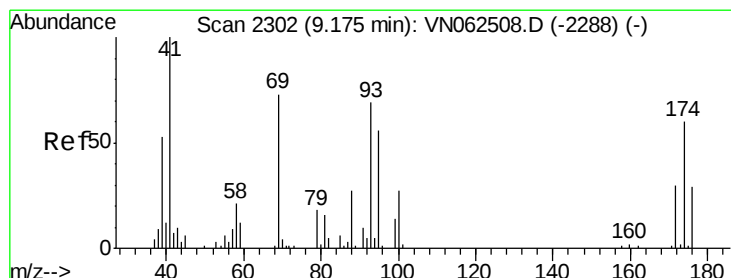
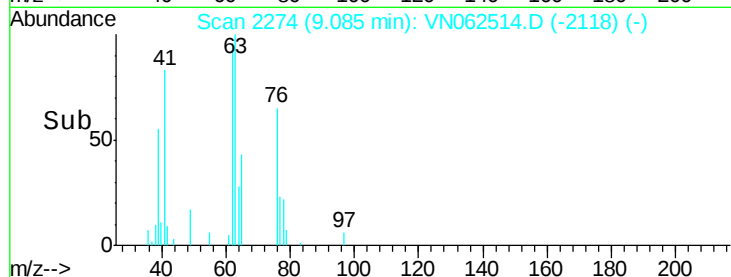
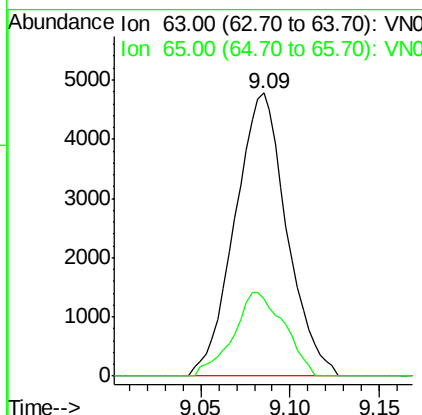
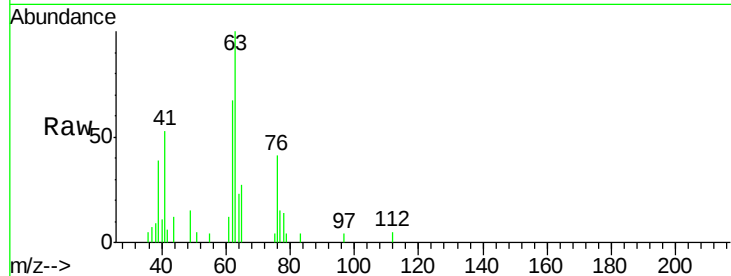
#39
 1,2-Dichloropropane
 Concen: 2.595 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion: 63 Resp: 9692
 Ion Ratio Lower Upper
 63 100
 65 27.2 24.2 36.4

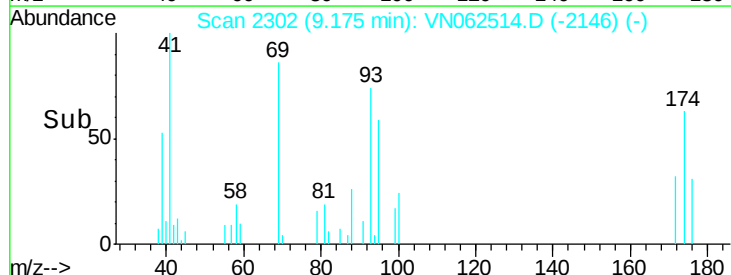
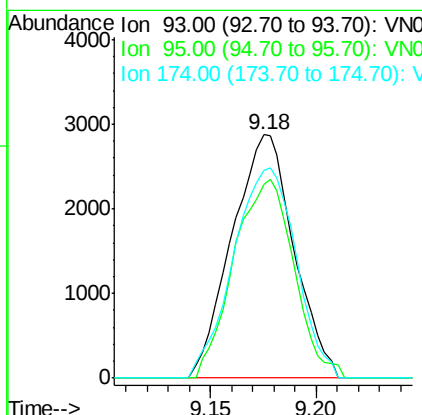
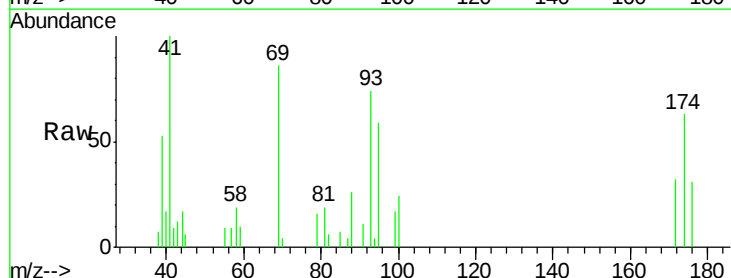
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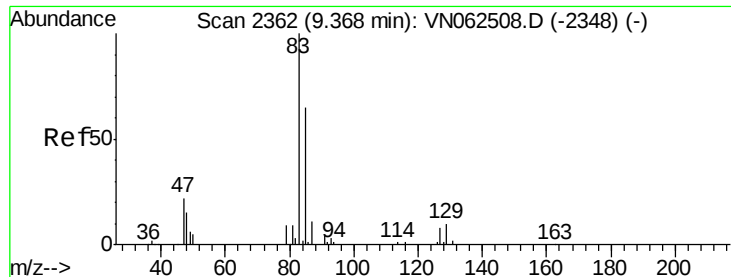
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 7/14/2020 11:36:50 AM



#40
 Dibromomethane
 Concen: 2.713 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion: 93 Resp: 5840
 Ion Ratio Lower Upper
 93 100
 95 79.7 0.0 161.2
 174 87.9 0.0 178.0





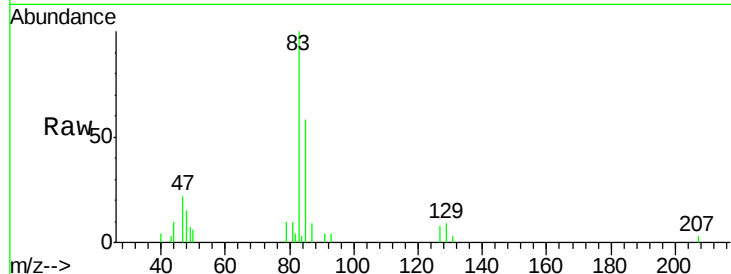
#41
Bromodichloromethane
Concen: 2.550 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

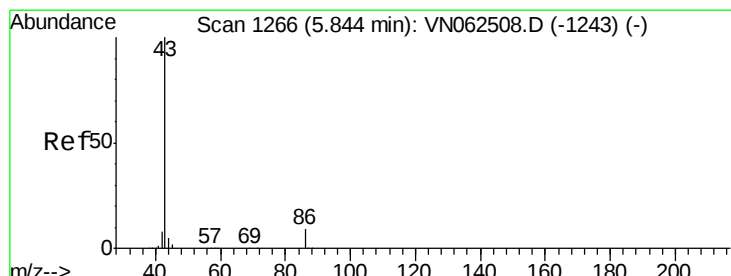
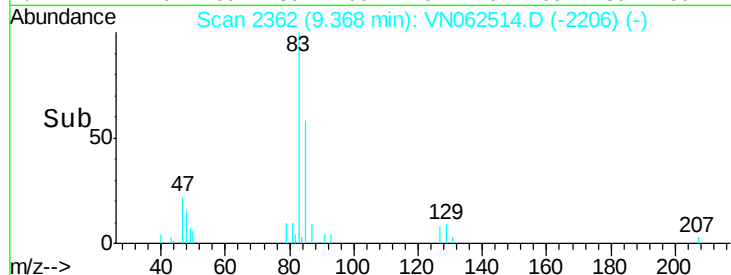
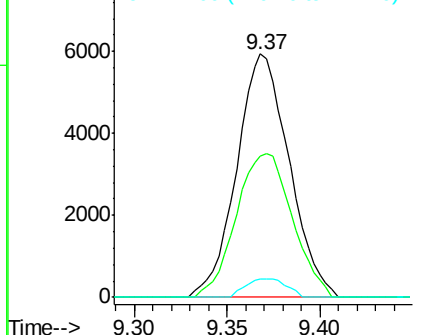
Tot Ion	83	Resp	11642
Ion Ratio	100	Lower	Upper
83	100		
85	58.2	51.6	77.4
127	7.7	6.3	9.5

Manual Integrations
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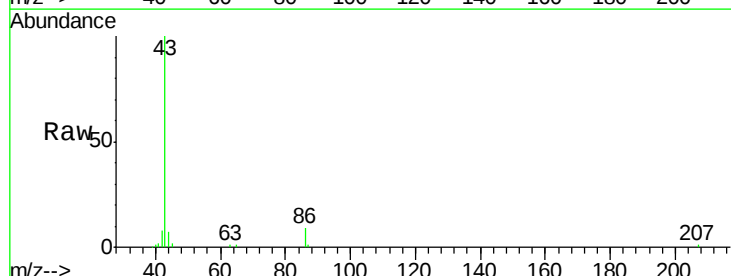


Abundance Ion 83.00 (82.70 to 83.70): VN062514.D (-2206) (-)
Ion 85.00 (84.70 to 85.70): VN062514.D (-2206) (-)
Ion 127.00 (126.70 to 127.70): VN062514.D (-2206) (-)

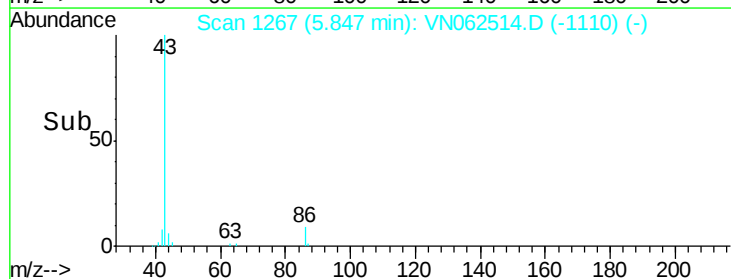
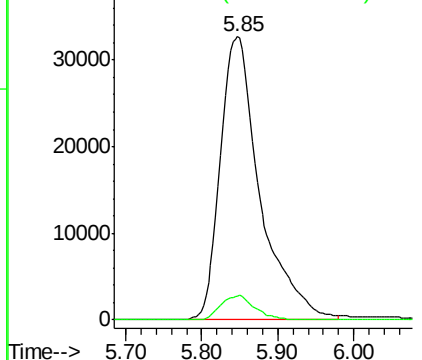


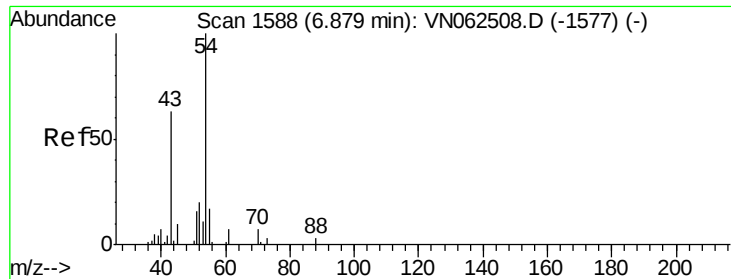
#42
Vinyl Acetate
Concen: 12.241 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	43	Resp	119030
Ion Ratio	100	Lower	Upper
43	100		
86	7.3	6.1	9.1



Abundance Ion 43.00 (42.70 to 43.70): VN062514.D (-1110) (-)
Ion 86.00 (85.70 to 86.70): VN062514.D (-1110) (-)





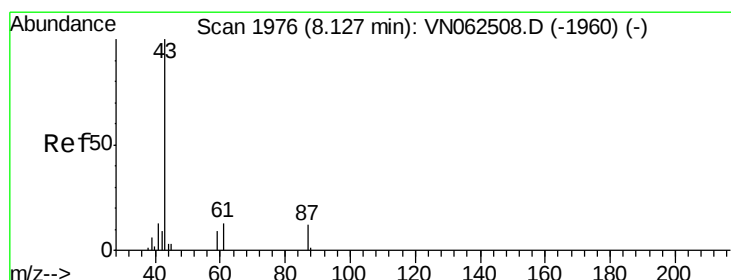
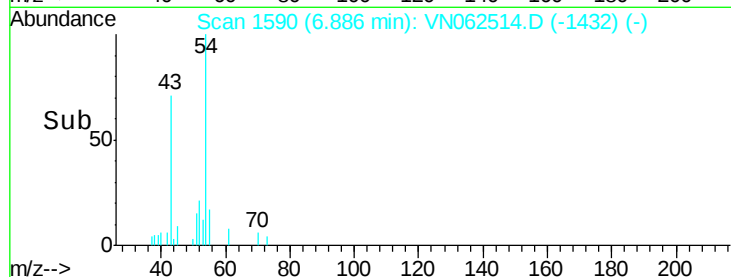
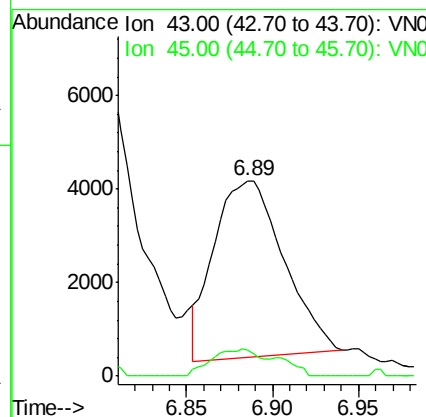
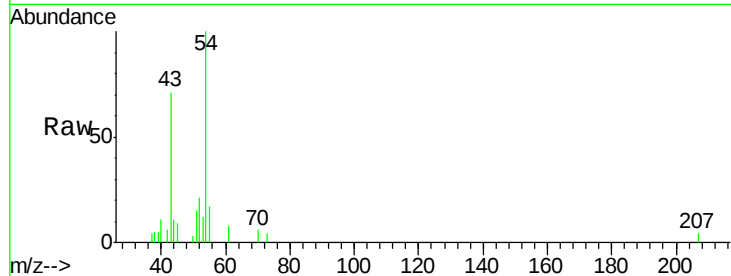
#43
Ethyl Acetate
Concen: 2.273 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion: 43 Resp: 10693
Ion Ratio Lower Upper
43 100
45 5.2 10.2 15.4#

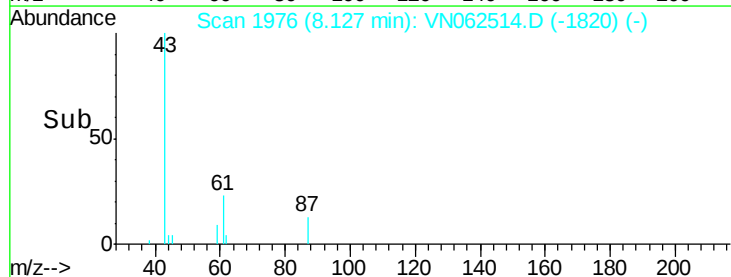
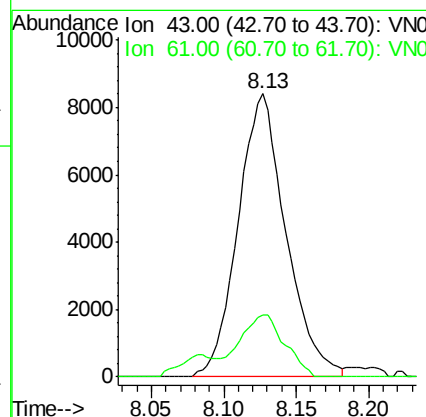
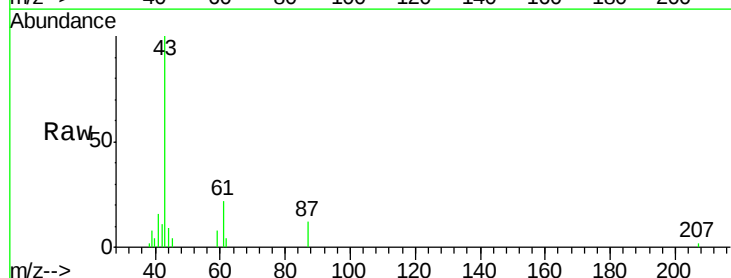
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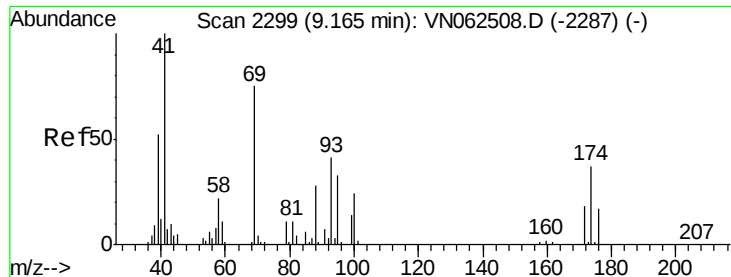
MMDadoda
7/14/2020 11:36:50 AM



#44
Isopropyl Acetate
Concen: 2.447 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 43 Resp: 19316
Ion Ratio Lower Upper
43 100
61 19.8 14.7 22.1





#45

1,4-Dioxane

Concen: 51.393 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

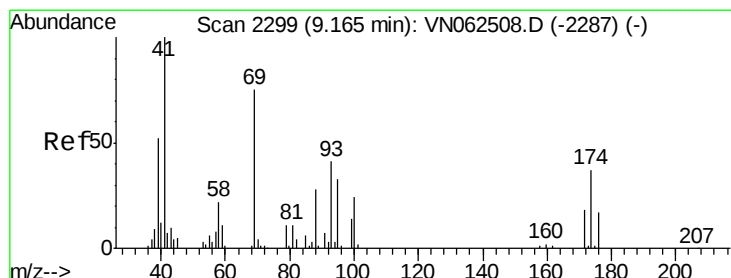
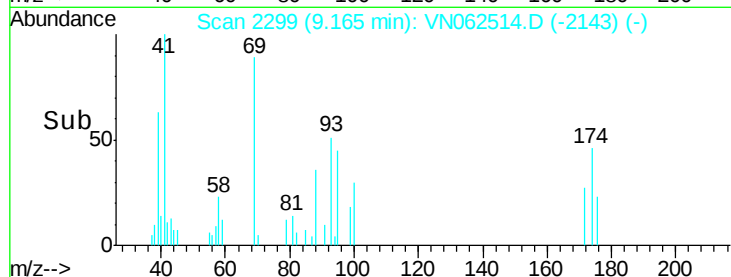
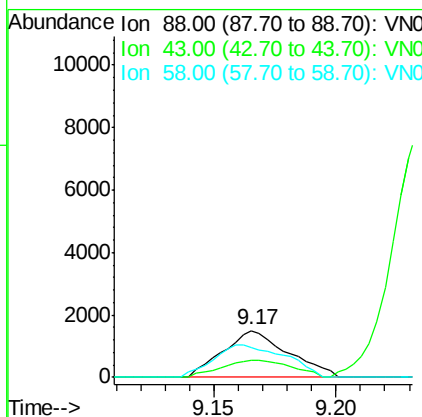
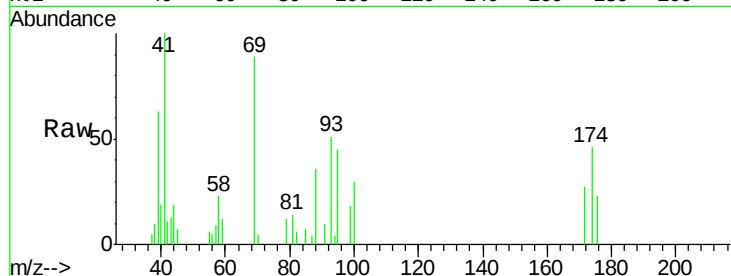
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	88	Resp:	2775
Ion	Ratio	Lower	Upper
88	100		
43	39.6	29.2	43.8
58	76.4	62.2	93.4

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MMDadoda
7/14/2020 11:36:50 AM



#46

Methyl methacrylate

Concen: 2.450 ug/l

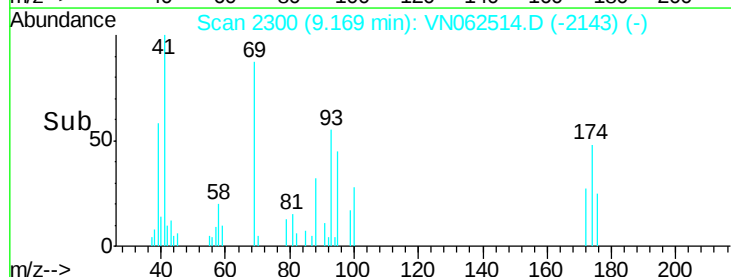
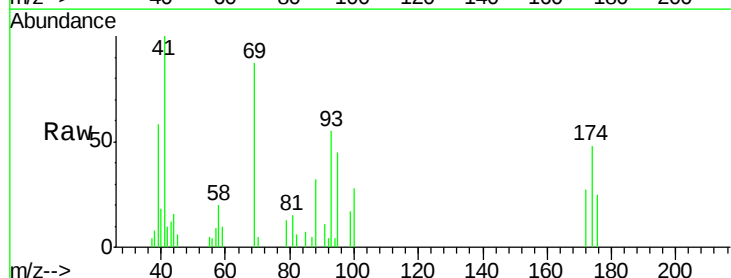
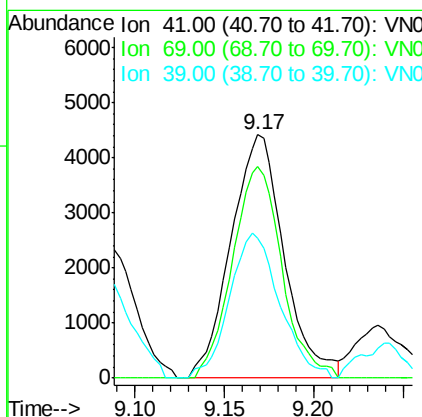
RT: 9.17 min Scan# 2300

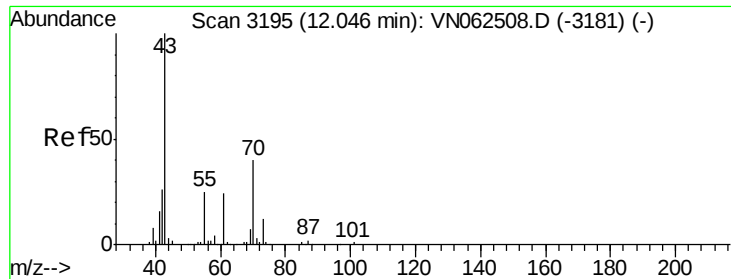
Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Tgt Ion:	41	Resp:	9176
Ion	Ratio	Lower	Upper
41	100		
69	86.8	37.4	112.2
39	57.7	25.9	77.6





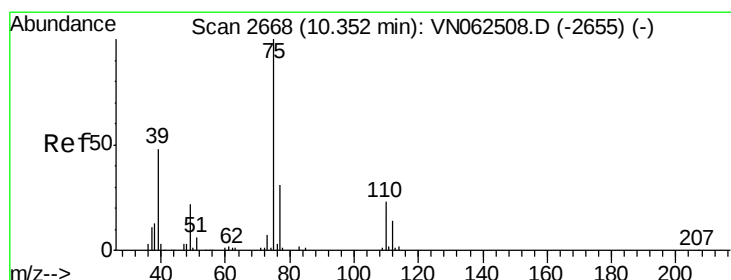
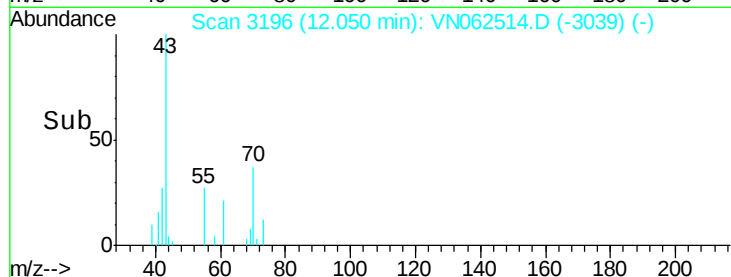
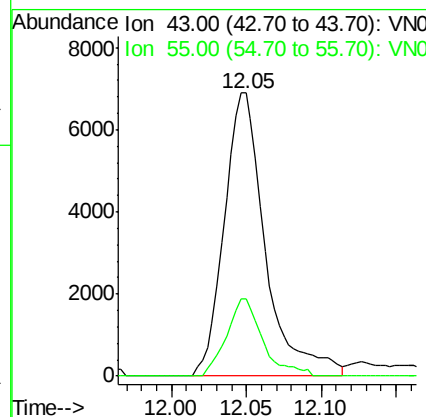
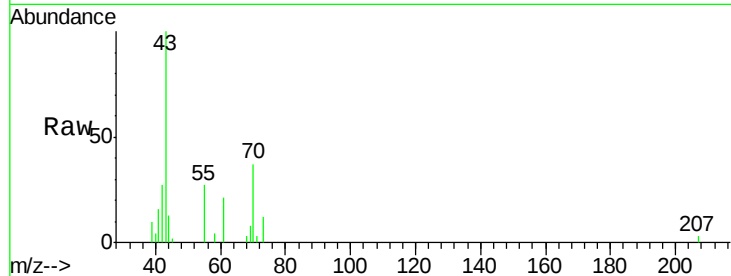
#47
n-amvl Acetate
Concen: 1.992 ug/l
RT: 12.05 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion: 43 Resp: 13254
Ion Ratio Lower Upper
43 100
55 23.6 20.4 30.6

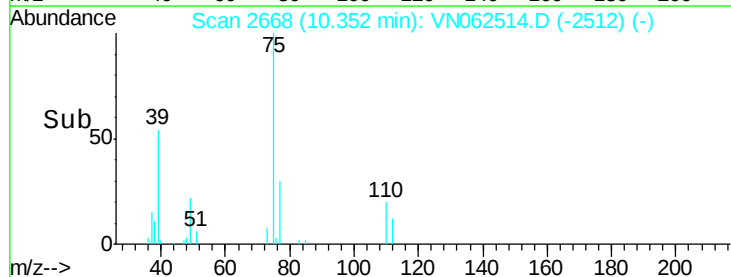
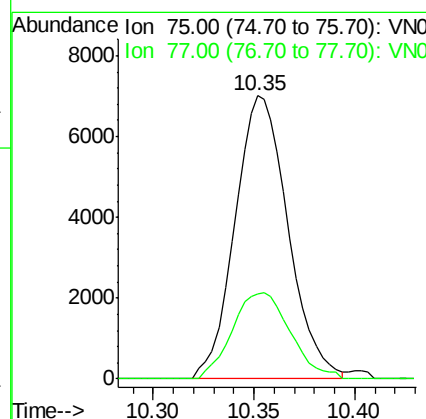
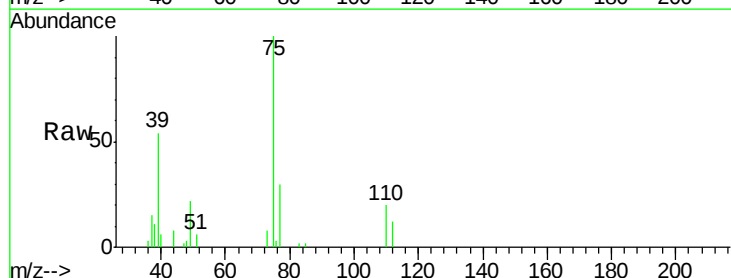
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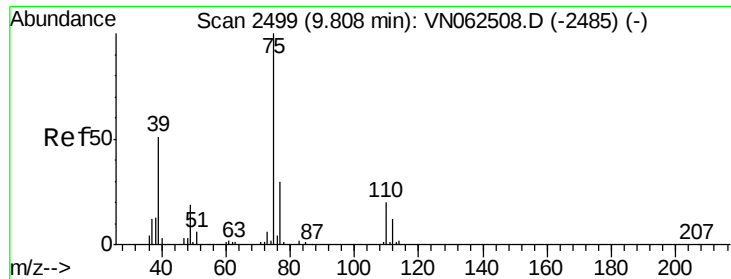
MMDadoda
7/14/2020 11:36:50 AM



#48
t-1,3-Dichloropropene
Concen: 2.419 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion: 75 Resp: 12878
Ion Ratio Lower Upper
75 100
77 30.1 25.0 37.4





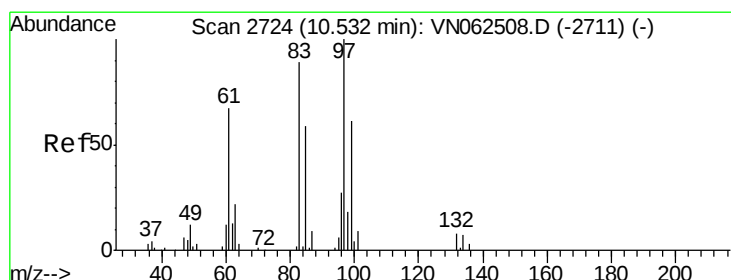
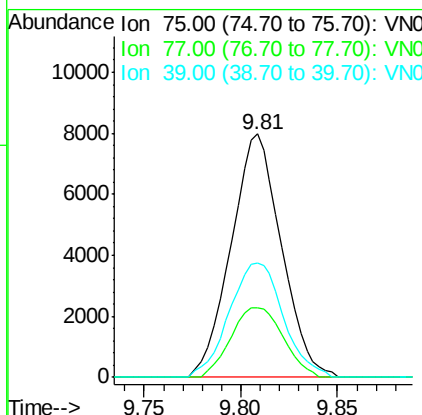
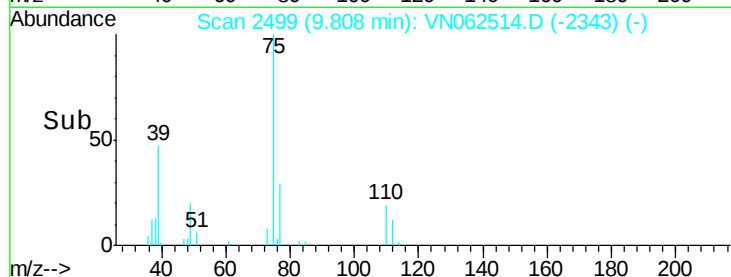
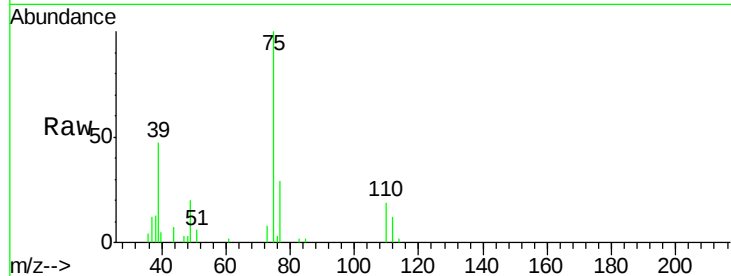
#49
 cis-1,3-Dichloropropene
 Concen: 2.507 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion:	75	Resp:	14408
Ion	Ratio	Lower	Upper
75	100		
77	28.7	23.7	35.5
39	46.9	40.5	60.7

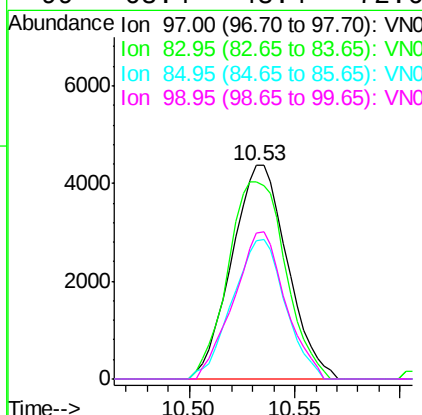
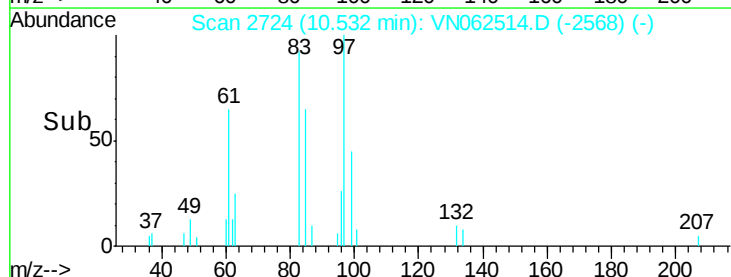
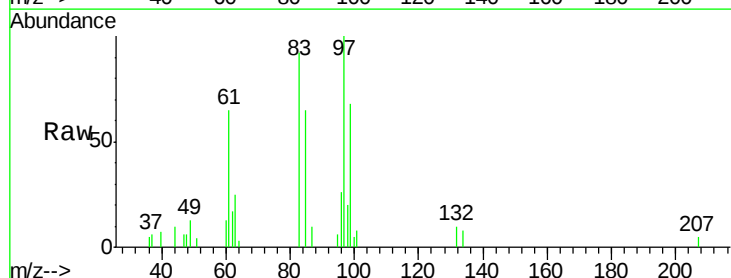
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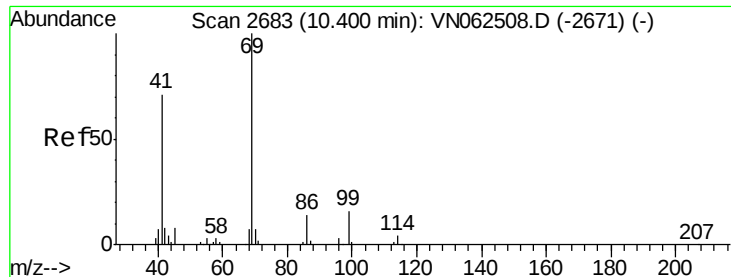
MMDadoda
 7/14/2020 11:36:50 AM



#50
 1,1,2-Trichloroethane
 Concen: 2.660 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion:	97	Resp:	8025
Ion	Ratio	Lower	Upper
97	100		
83	92.5	71.3	106.9
85	64.8	47.2	70.8
99	68.4	48.4	72.6





#51

Ethyl methacrylate

Concen: 2.202 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

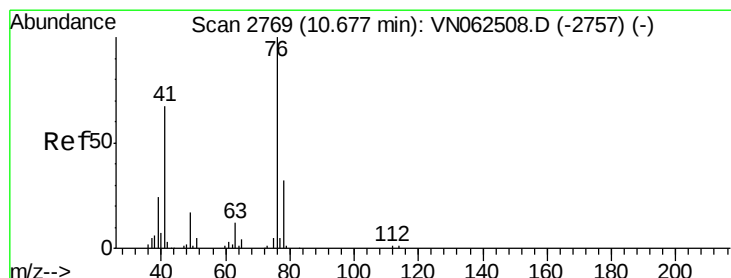
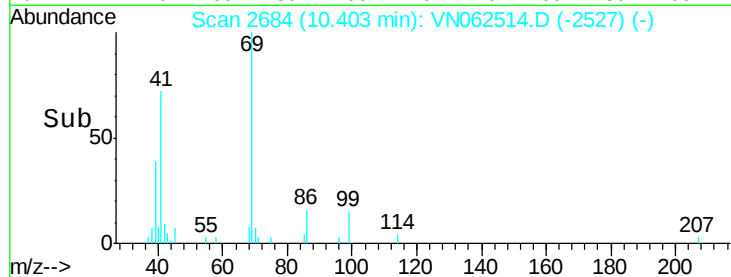
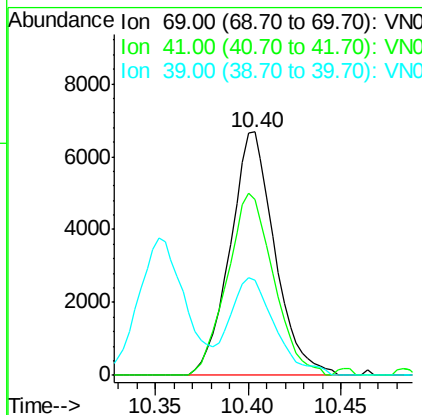
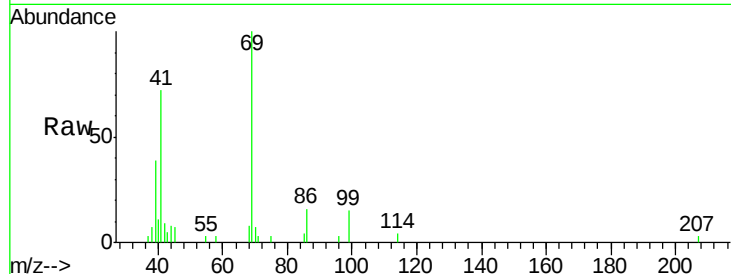
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	69	Resp:	11185
Ion Ratio	Lower	Upper	
69	100		
41	72.3	35.6	106.8
39	39.0	17.2	51.5

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7/14/2020 11:36:50 AM



#52

1,3-Dichloropropane

Concen: 2.546 ug/l

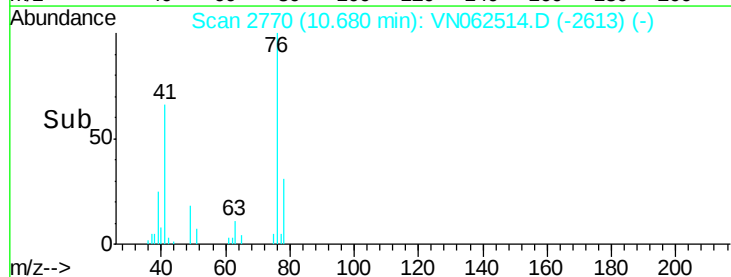
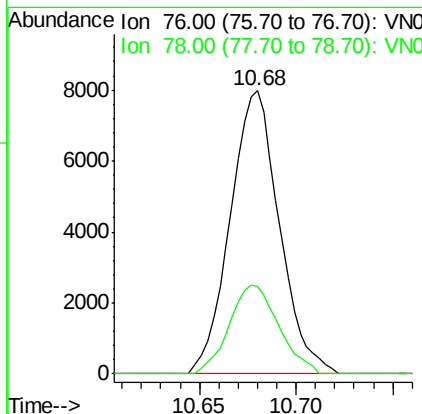
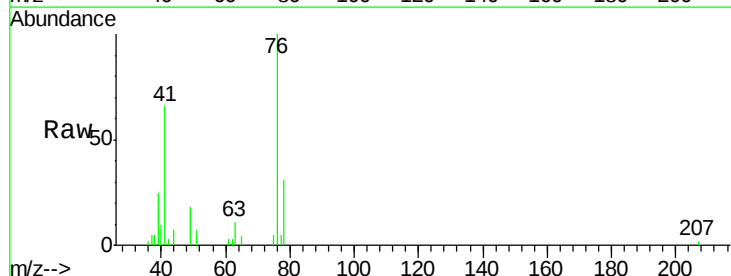
RT: 10.68 min Scan# 2770

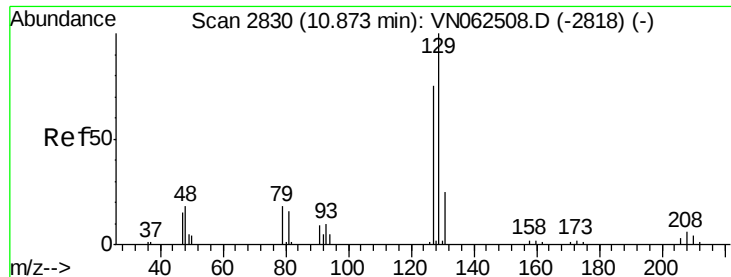
Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Tgt Ion:	76	Resp:	14096
Ion Ratio	Lower	Upper	
76	100		
78	31.5	0.0	63.6





#53

Dibromochloromethane

Concen: 2.447 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:129 Resp: 8044

Ion Ratio Lower Upper

129 100

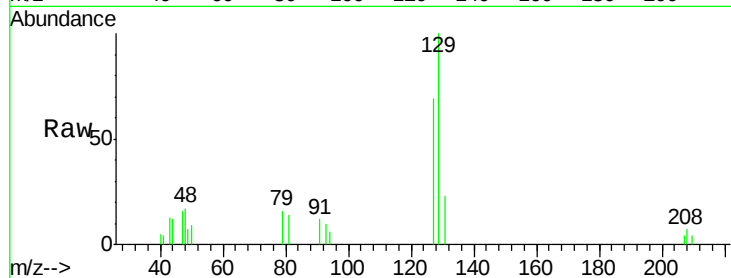
127 74.0 38.1 114.5

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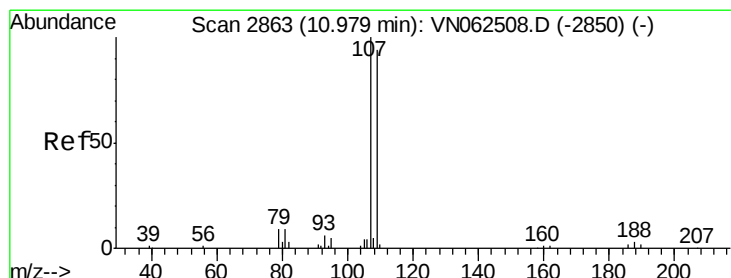
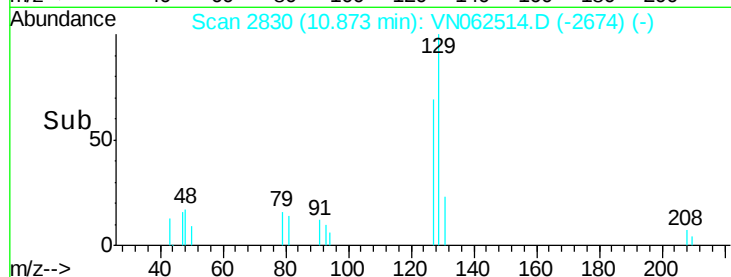
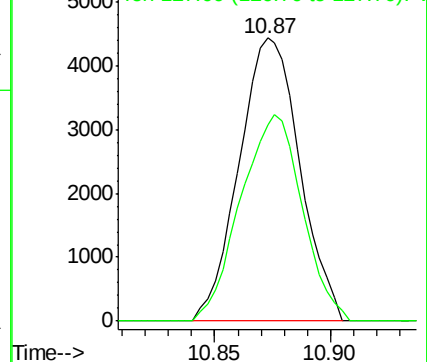
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.440 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062514.D

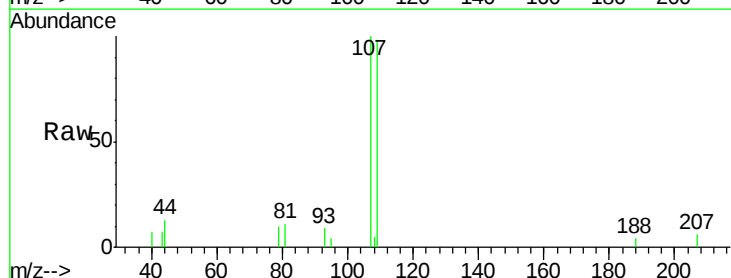
Acq: 13 Jul 2020 14:22

Tgt Ion:107 Resp: 7535

Ion Ratio Lower Upper

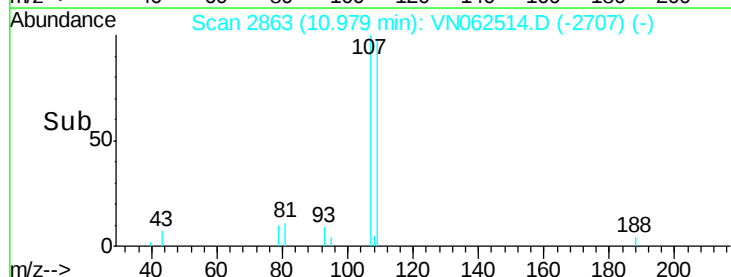
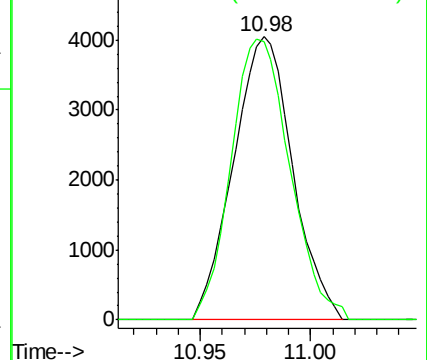
107 100

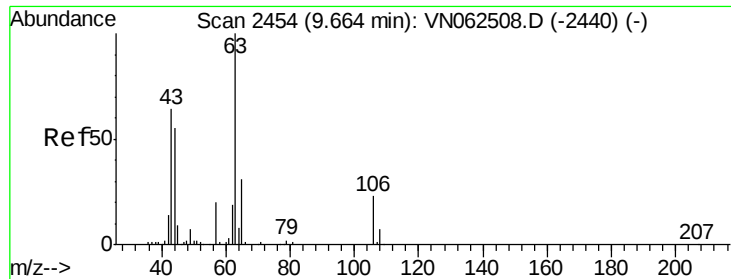
109 98.9 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





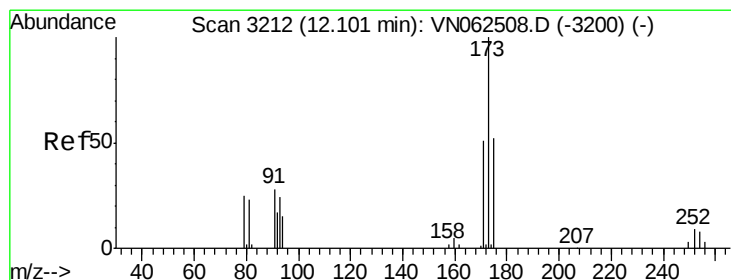
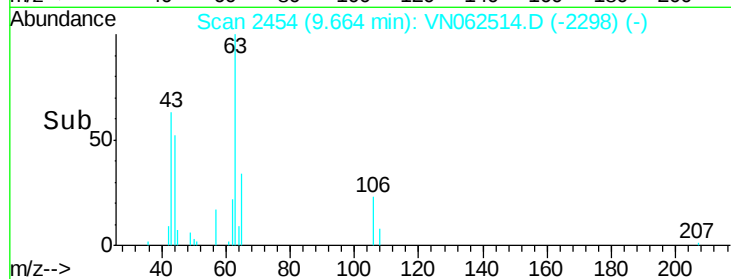
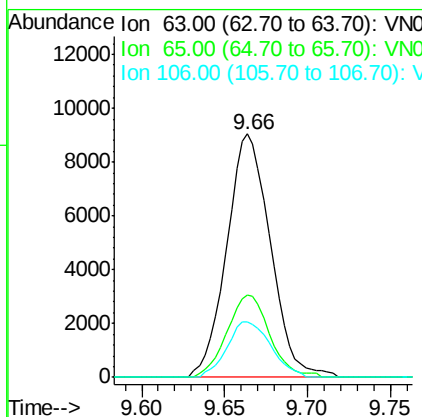
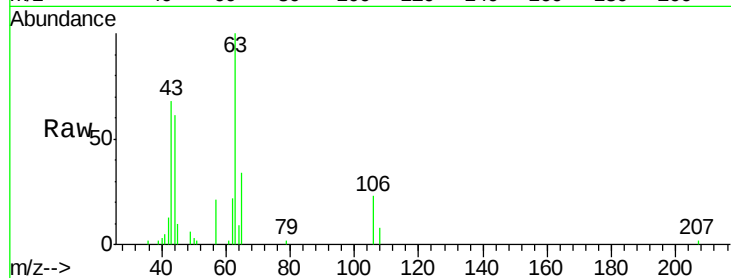
#55
 2-Chloroethyl vinyl ether
 Concen: 10.235 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.4	38.2
106	22.9	18.4	27.6

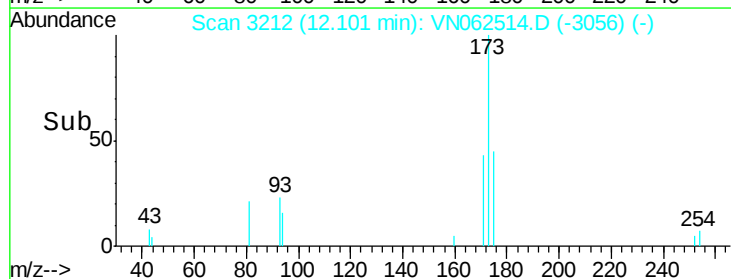
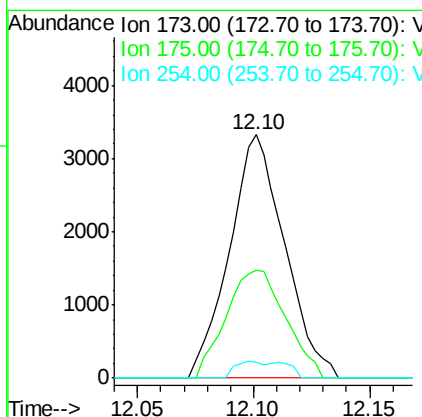
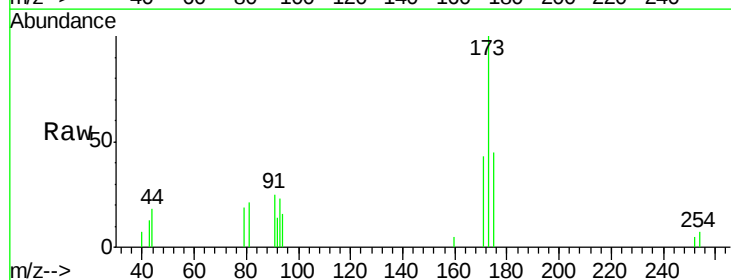
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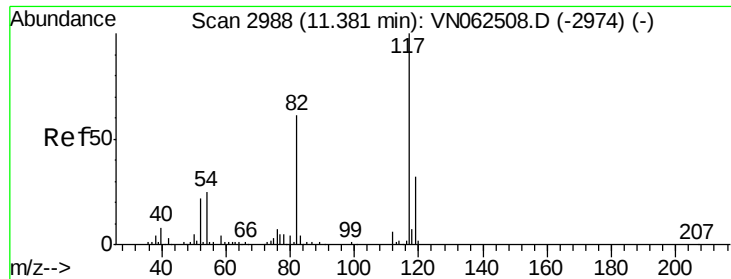
MMDadoda
 7/14/2020 11:36:50 AM



#56
 Bromoform
 Concen: 2.450 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.1	57.1
254	3.5	6.2	9.2#





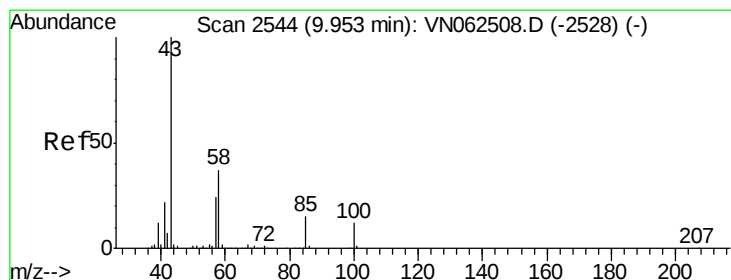
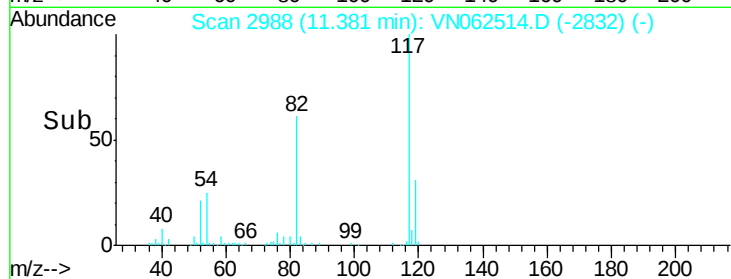
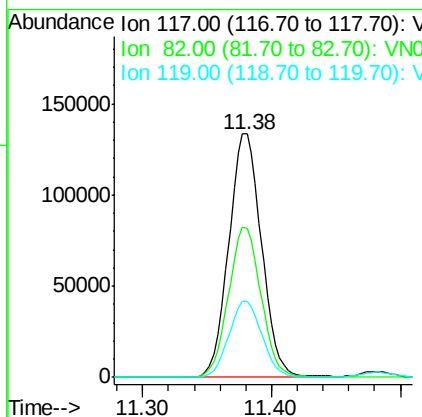
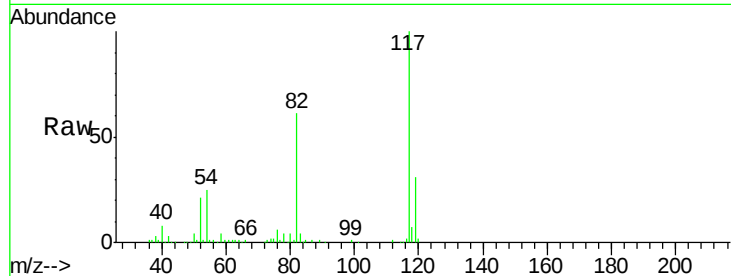
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	235845		
82	61.3	49.0	73.6	
119	31.4	25.6	38.4	

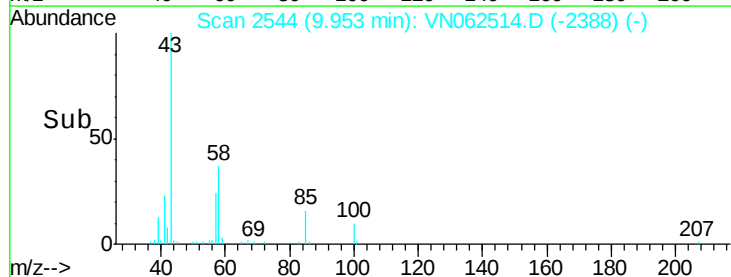
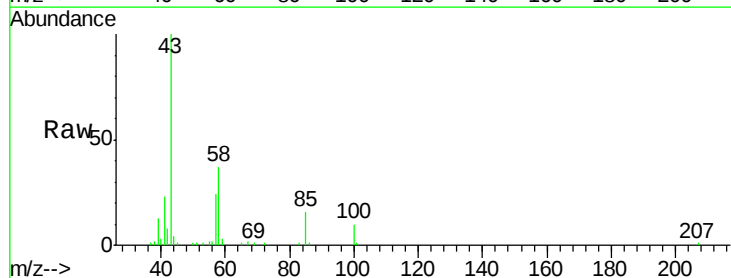
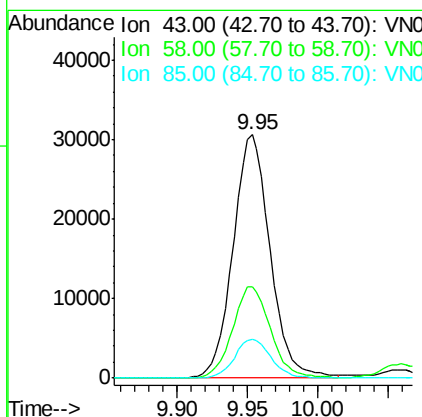
Manual Integrations
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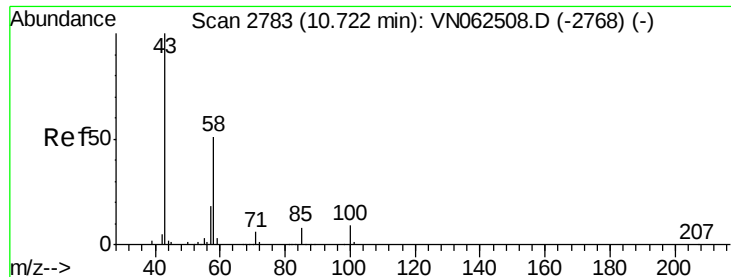
MMDadoda
7/14/2020 11:36:50 AM



#58
4-Methyl-2-Pentanone
Concen: 12.262 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	56343		
58	38.4	29.6	44.4	
85	15.6	12.0	18.0	





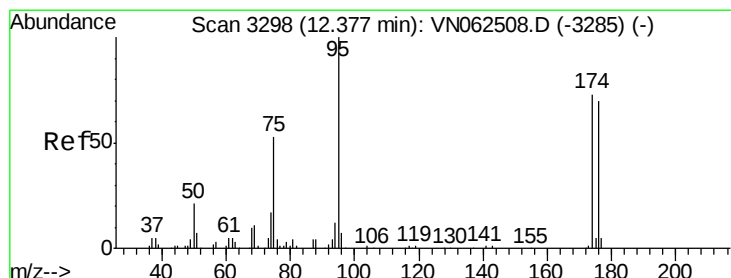
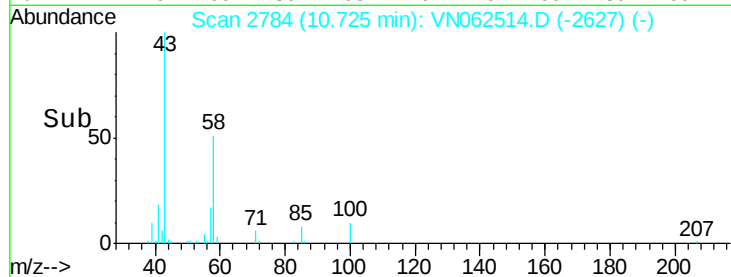
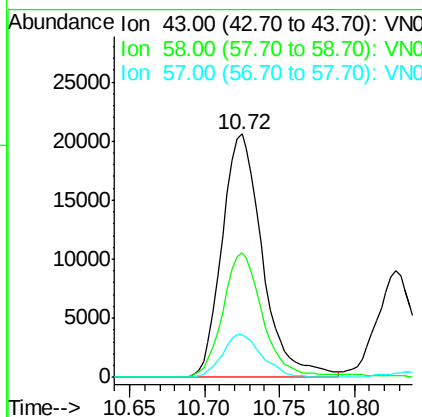
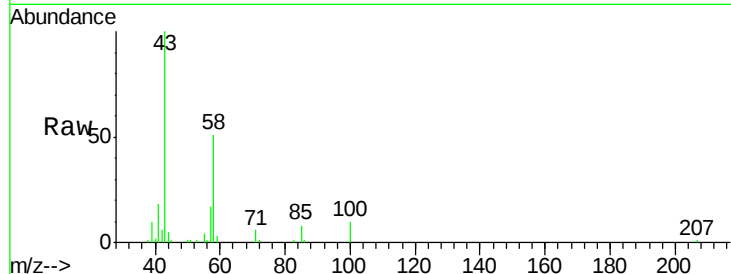
#59
2-Hexanone
Concen: 11.526 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	41.2	61.8
57	17.2	14.4	21.6

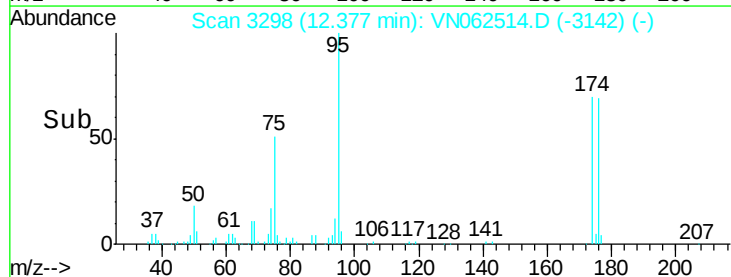
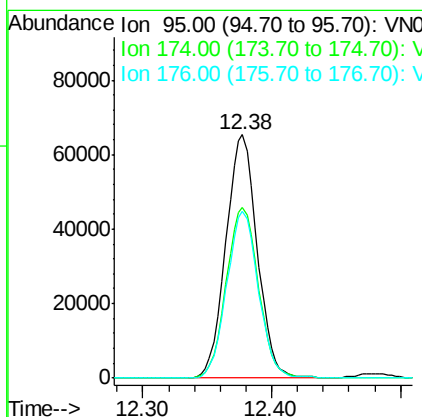
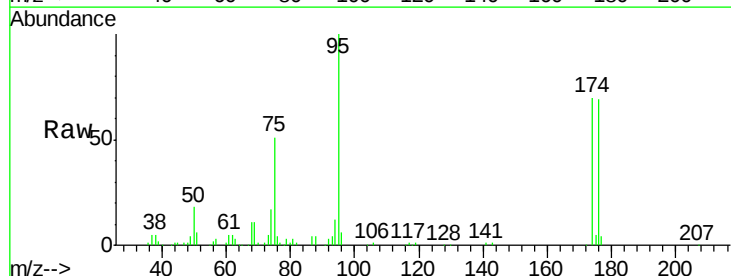
Manual Integrations
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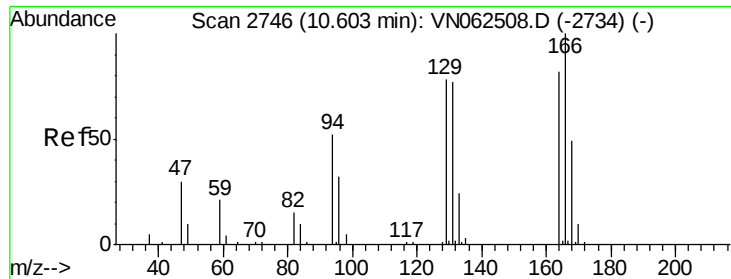
MMDadoda
7/14/2020 11:36:50 AM



#60
4-Bromofluorobenzene
Concen: 27.537 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	57.5	86.3
176	69.1	56.3	84.5





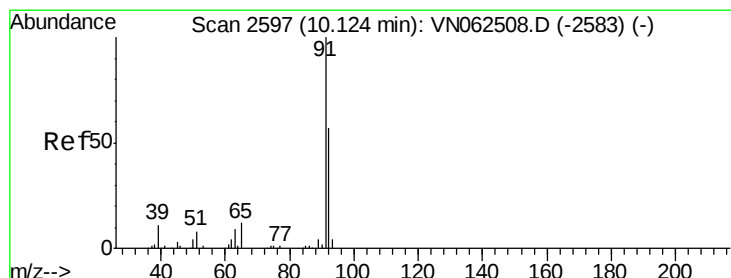
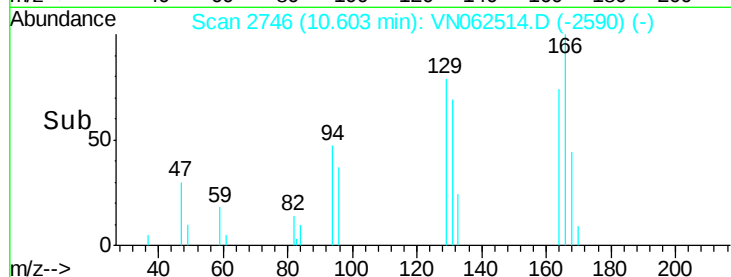
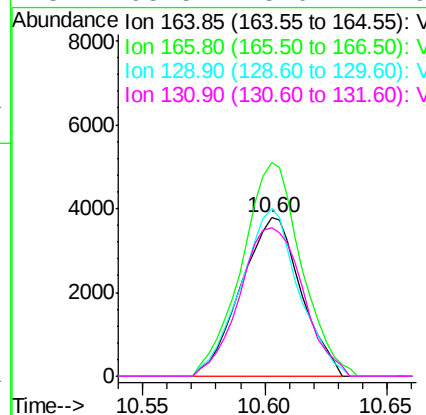
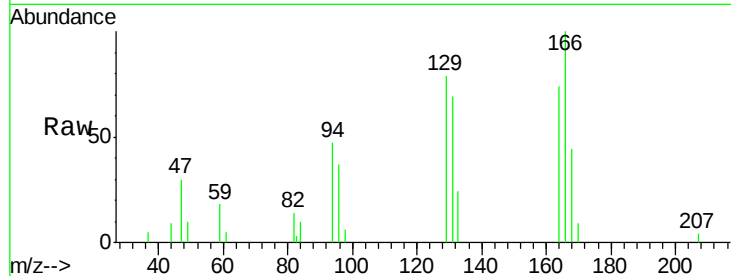
#61
Tetrachloroethene
Concen: 2.675 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	134.9	97.7	146.5
129	106.2	77.0	115.4
131	93.5	75.0	112.6

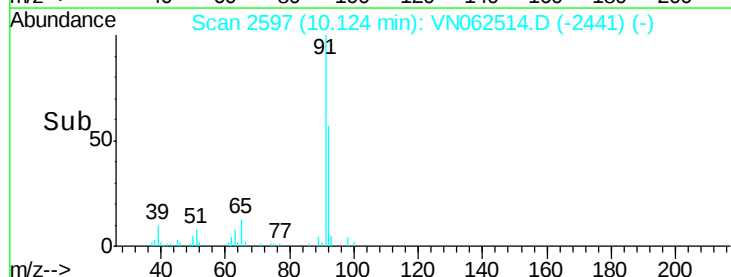
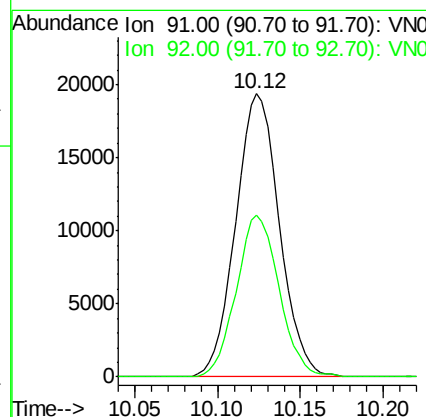
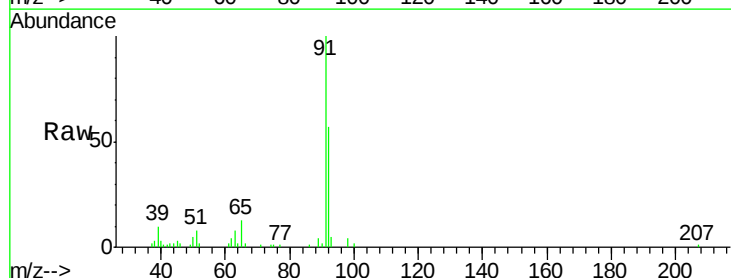
Manual Integrations
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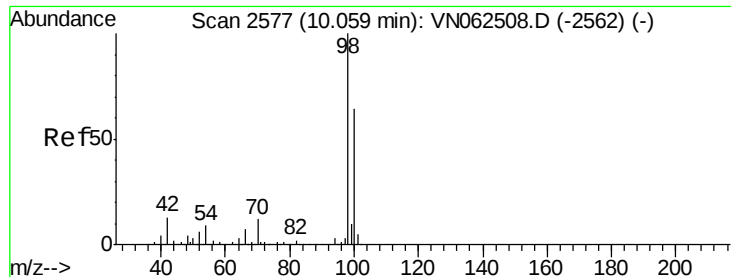
MMDadoda
7/14/2020 11:36:50 AM



#62
Toluene
Concen: 2.650 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	45.8	68.6





#63

Toluene-d8

Concen: 30.312 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 98 Resp: 337804

Ion Ratio Lower Upper

98 100

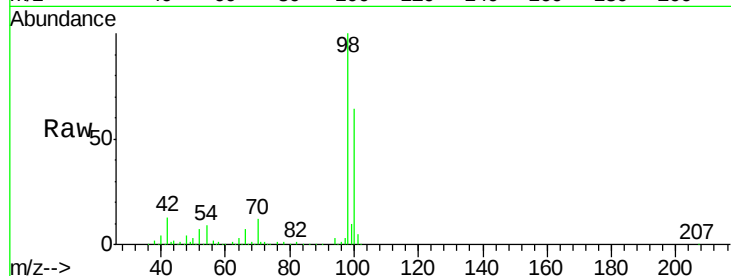
100 63.3 50.4 75.6

Manual Integrations

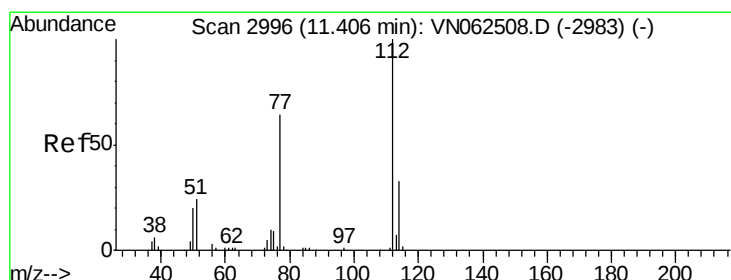
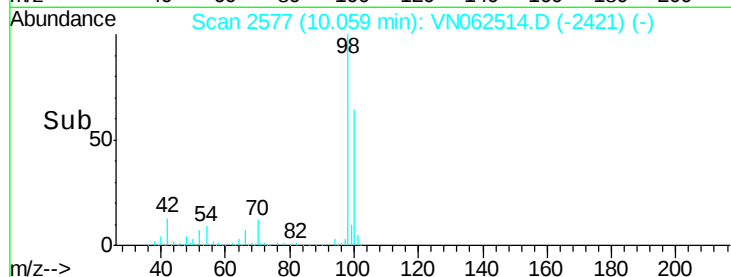
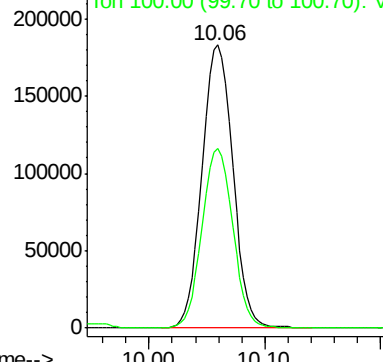
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Abundance Ion 98.00 (97.70 to 98.70): VN062508.D (-2562) (-)



#64

Chlorobenzene

Concen: 2.640 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062514.D

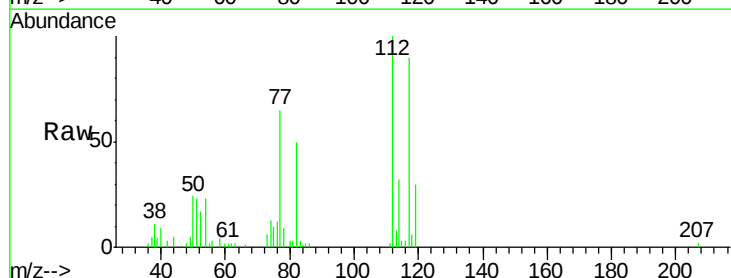
Acq: 13 Jul 2020 14:22

Tgt Ion: 112 Resp: 20759

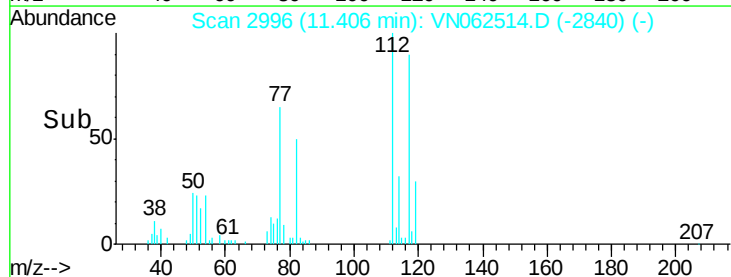
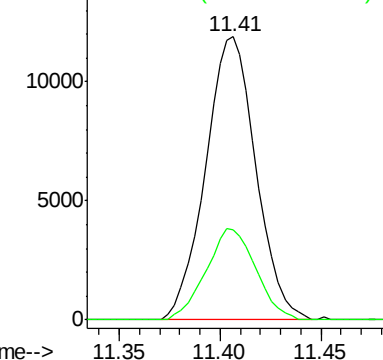
Ion Ratio Lower Upper

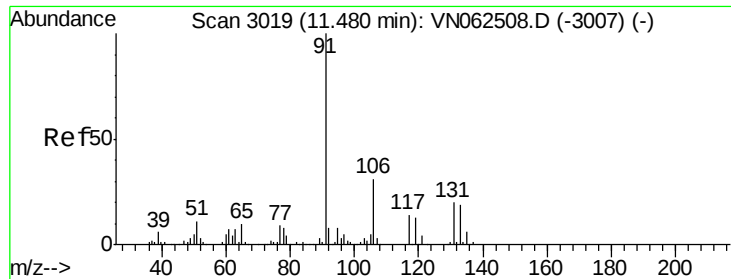
112 100

114 32.0 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): VN062508.D (-2983) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 2.596 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

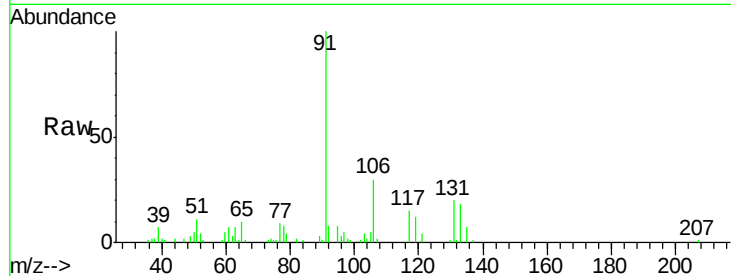
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

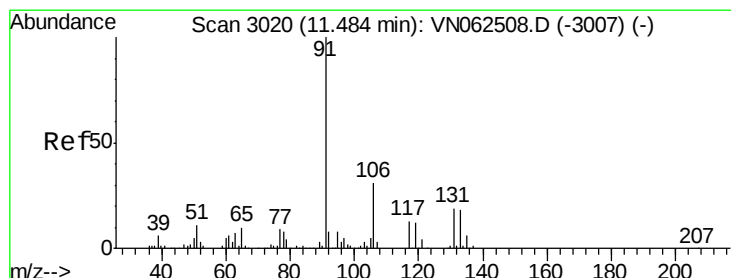
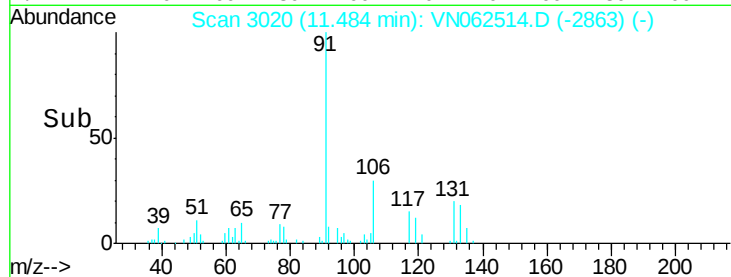
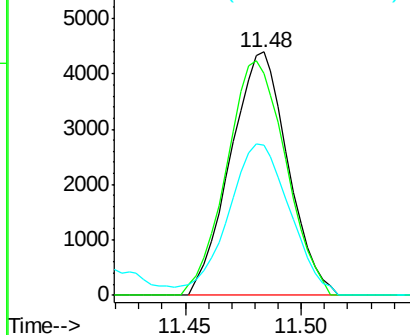
Tot Ion:	131	Resp:	7554
Ion	Ratio	Lower	Upper
131	100		
133	99.5	0.0	191.4
119	67.1	0.0	136.2

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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.466 ug/l

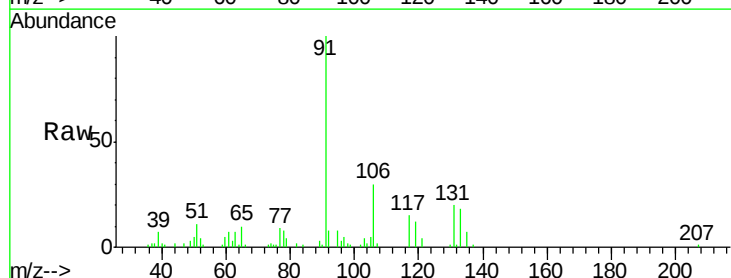
RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

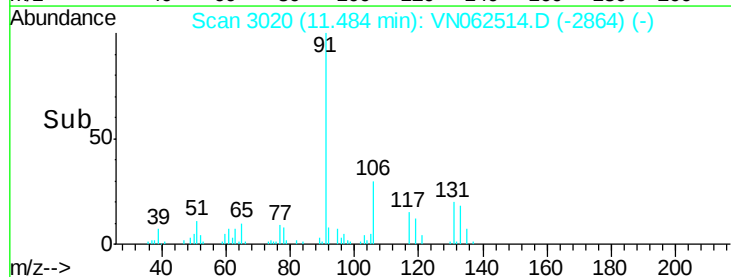
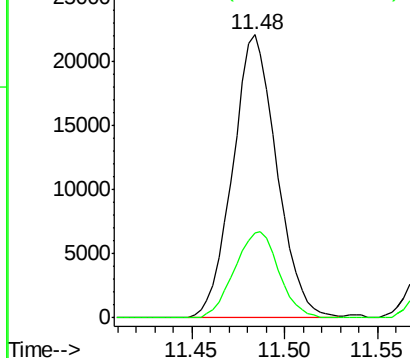
Lab File: VN062514.D

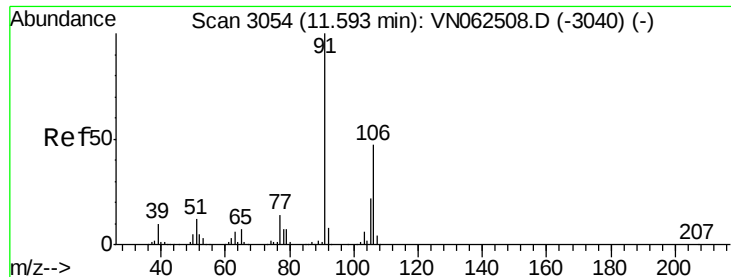
Acq: 13 Jul 2020 14:22

Tgt Ion:	91	Resp:	36530
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.6	36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 4.704 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 25299

Ion Ratio Lower Upper

106 100

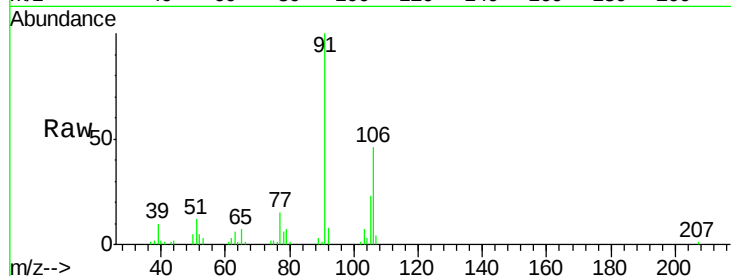
91 217.1 170.7 256.1

Manual Integrations

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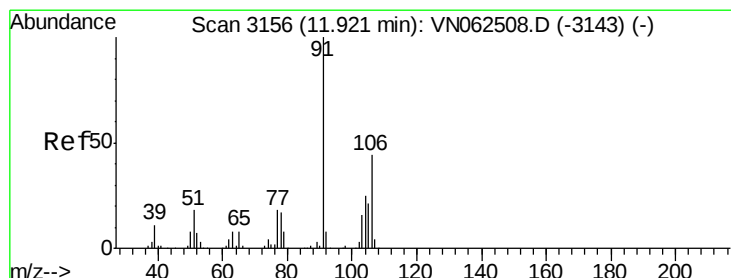
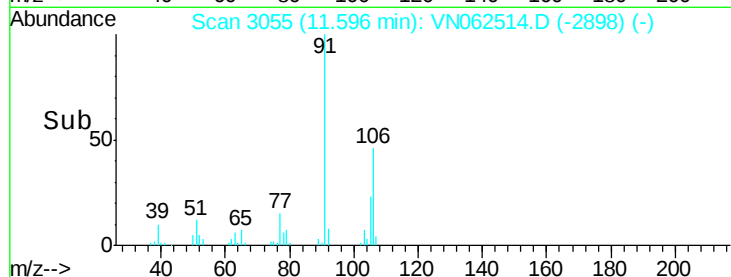
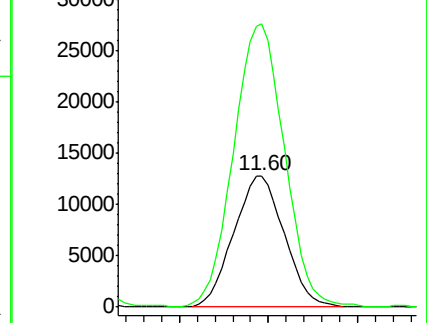
MMDadoda

7/14/2020 11:36:50 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 2.399 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062514.D

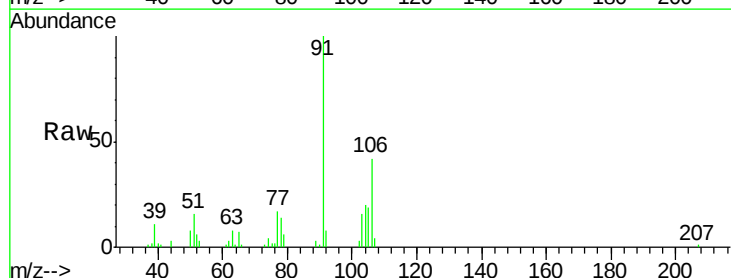
Acq: 13 Jul 2020 14:22

Tgt Ion:106 Resp: 12381

Ion Ratio Lower Upper

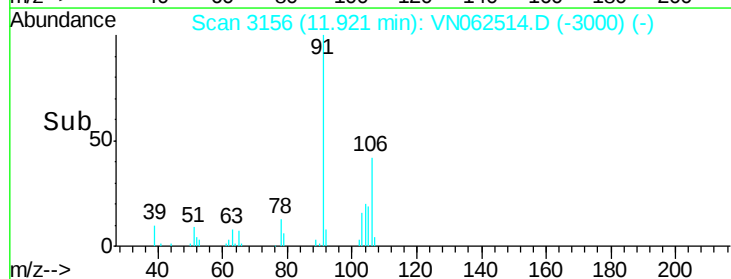
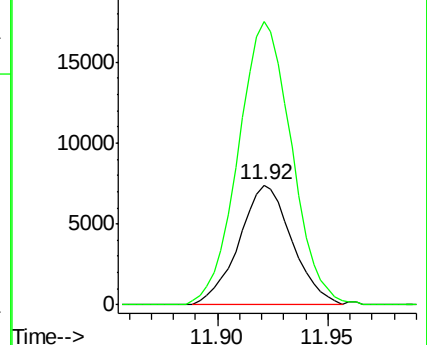
106 100

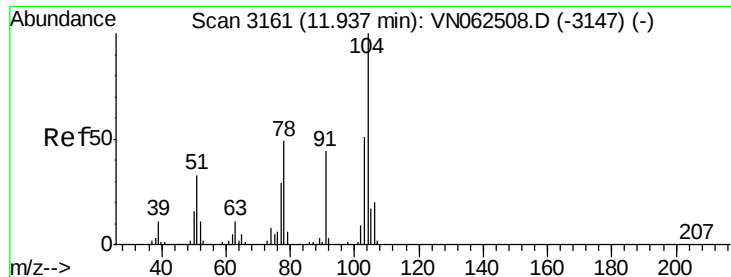
91 237.5 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





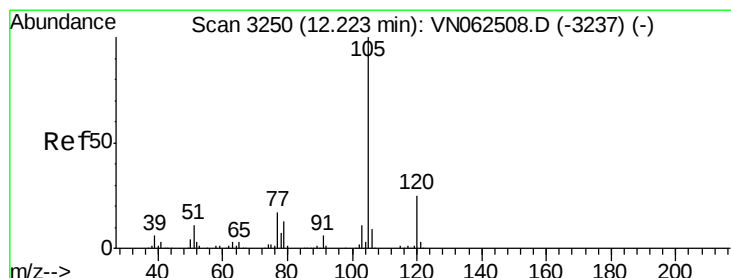
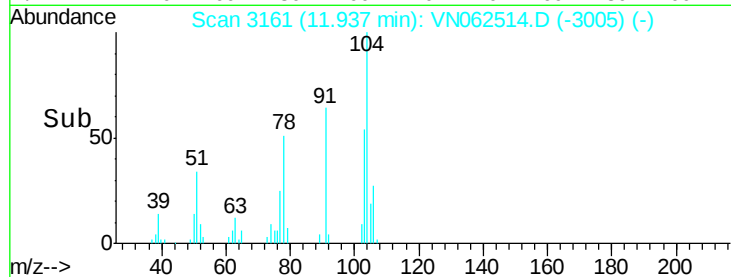
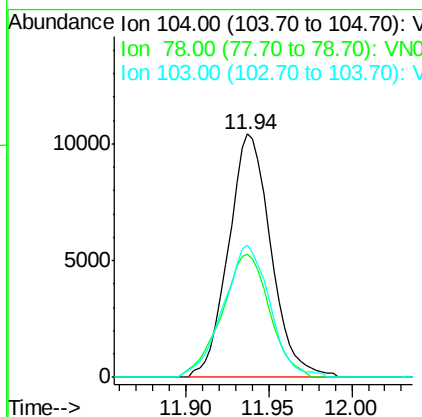
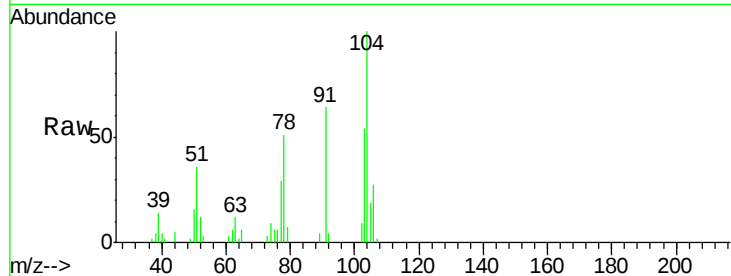
#69
Stvrene
Concen: 2.123 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	18600		
78	56.6		43.9	65.9
103	59.4		43.8	65.6

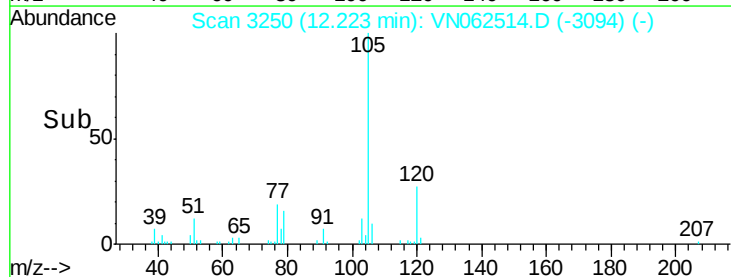
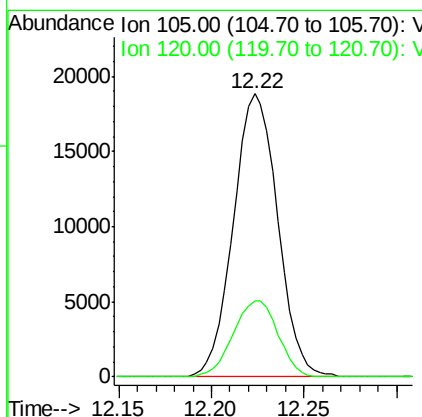
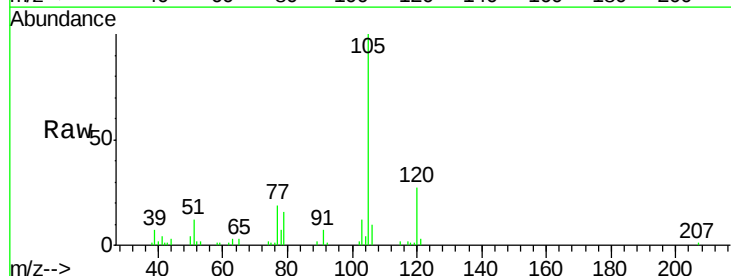
Manual Integrations
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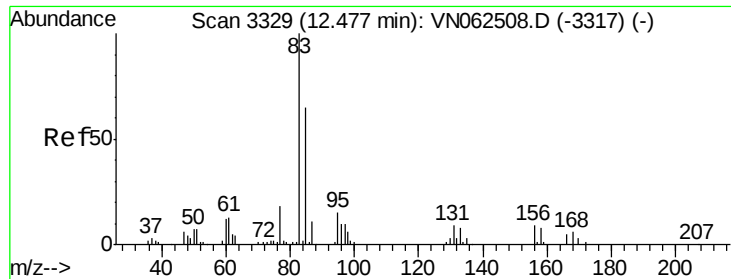
MMDadoda
7/14/2020 11:36:50 AM



#70
Isopropylbenzene
Concen: 2.263 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	31350		
120	27.1		17.6	32.8





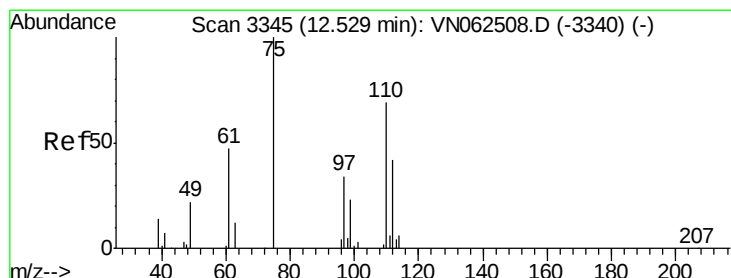
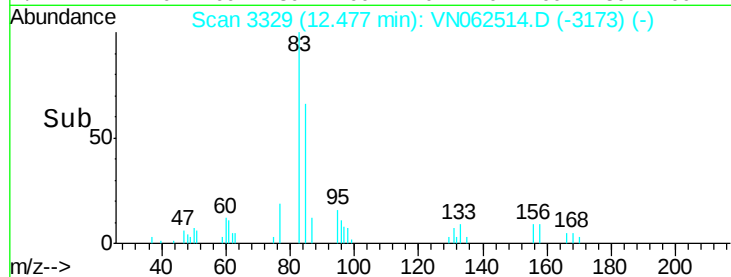
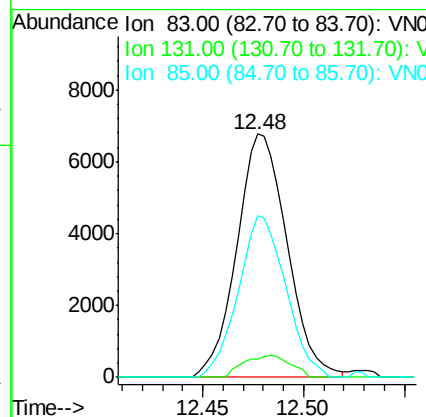
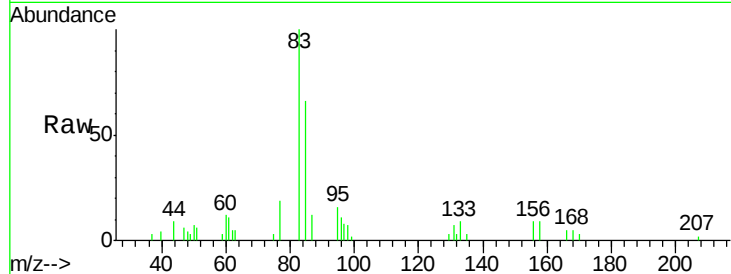
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.639 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	11818		
131	8.3	4.5	13.7	
85	62.6	32.5	97.4	

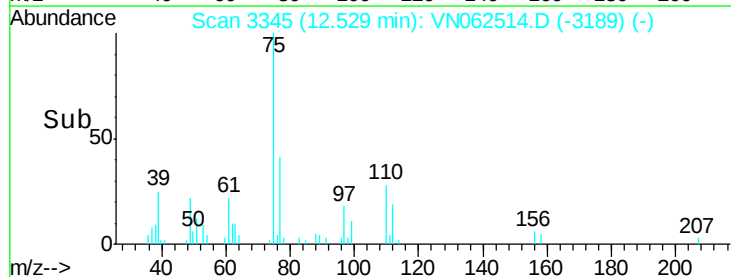
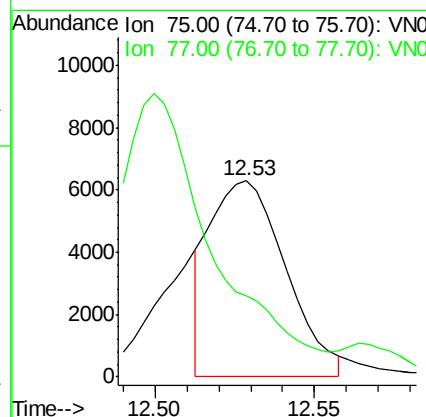
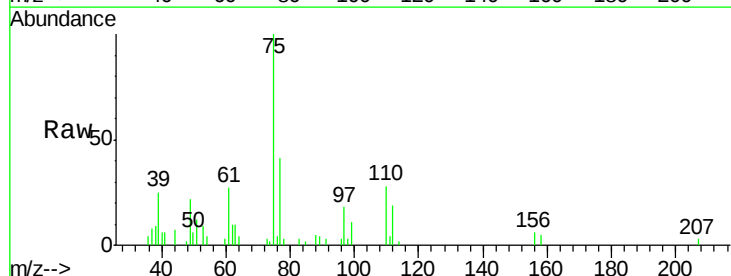
Manual Integrations
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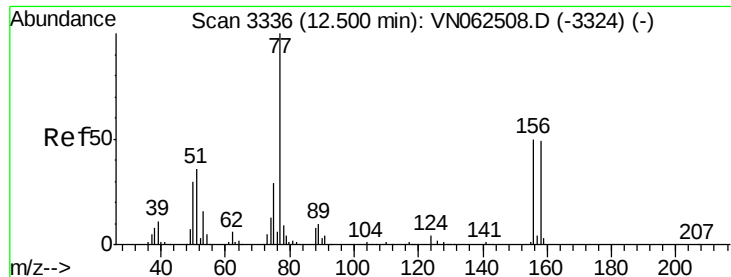
MMDadoda
 7/14/2020 11:36:50 AM



#72
 1,2,3-Trichloropropane
 Concen: 2.385 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10388		
77	187.7	0.0	376.2	





#73

Bromobenzene

Concen: 2.547 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

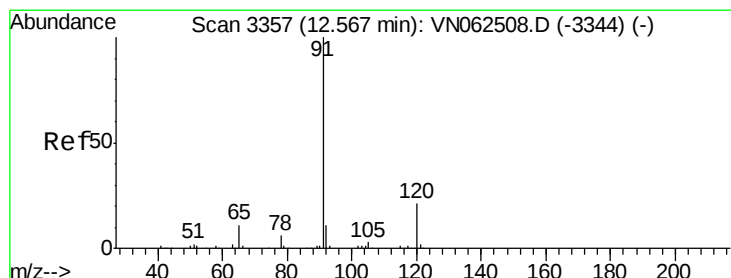
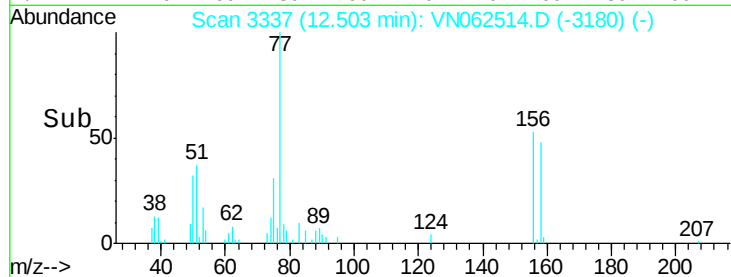
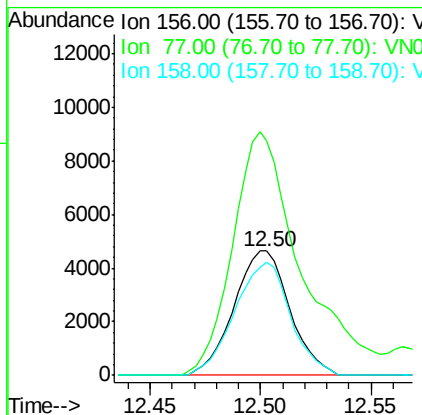
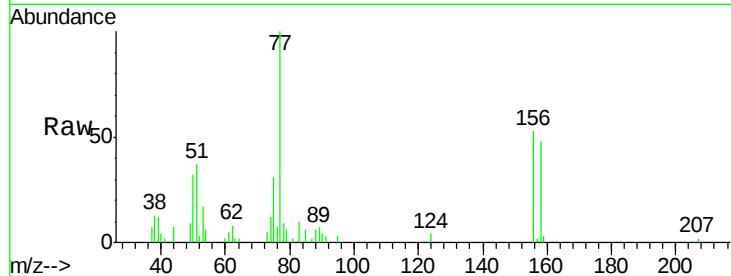
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	156	Resp:	8172
Ion Ratio	Lower	Upper	
156	100		
77	238.6	0.0	485.0
158	90.9	0.0	192.6

Manual Integrations
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7/14/2020 11:36:50 AM



#74

n-propylbenzene

Concen: 2.291 ug/l

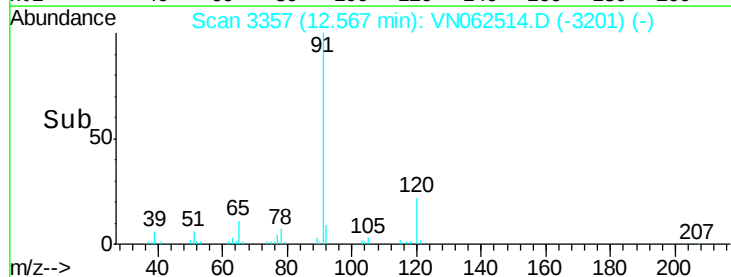
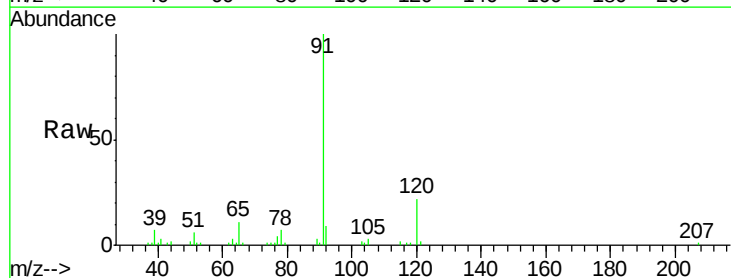
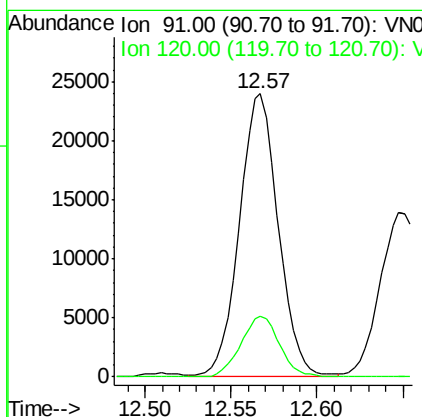
RT: 12.57 min Scan# 3357

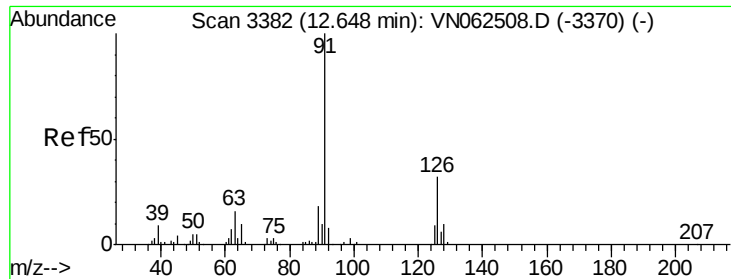
Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Tgt Ion:	91	Resp:	37734
Ion Ratio	Lower	Upper	
91	100		
120	21.1	0.0	42.8





#75

2-Chlorotoluene

Concen: 2.437 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 24161

Ion Ratio Lower Upper

91 100

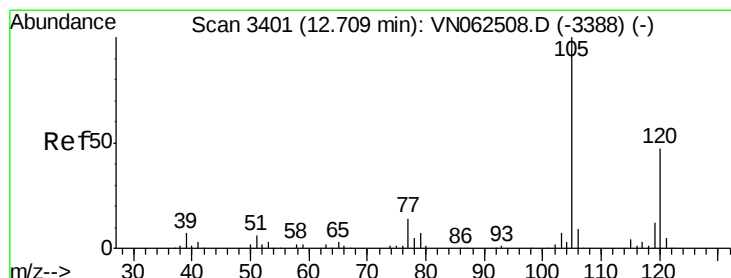
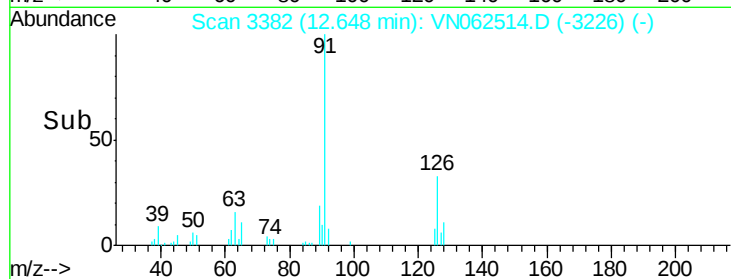
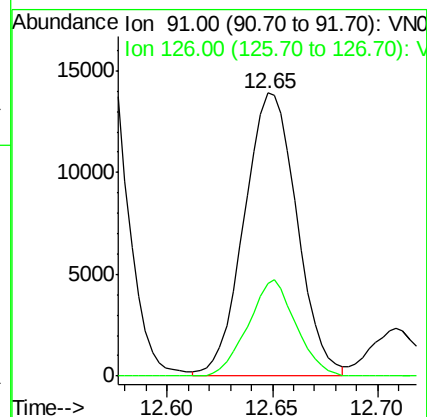
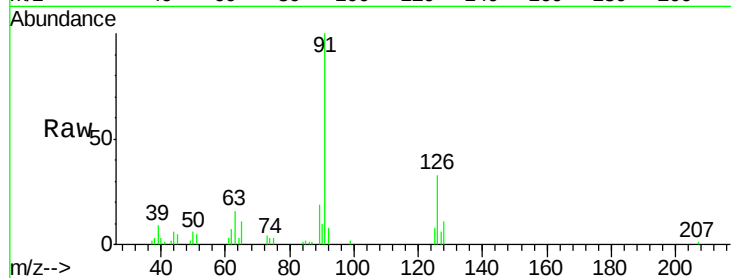
126 30.8 0.0 62.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 2.296 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062514.D

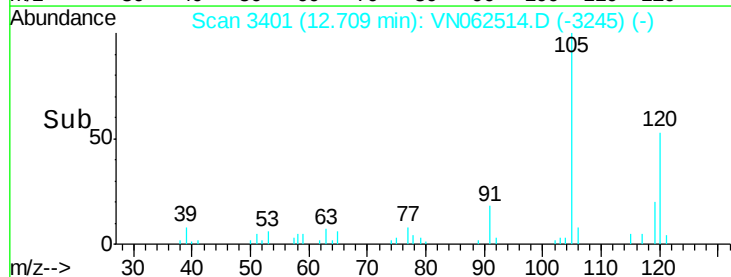
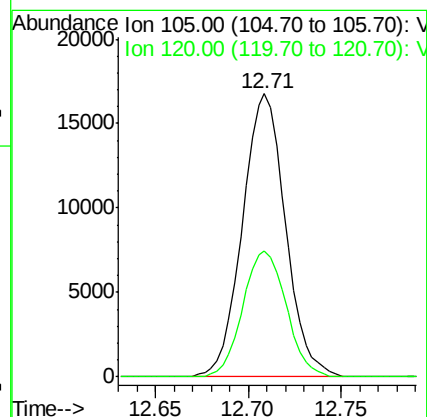
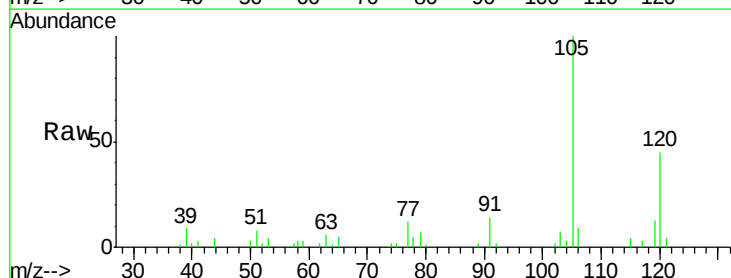
Acq: 13 Jul 2020 14:22

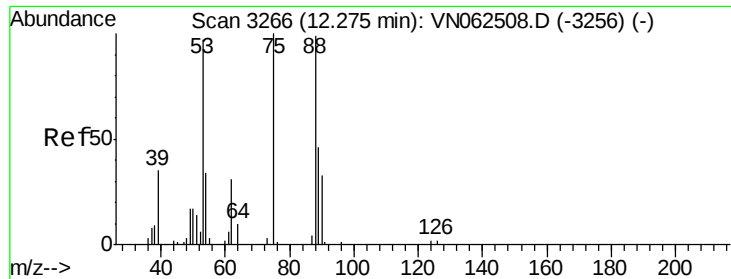
Tgt Ion: 105 Resp: 27103

Ion Ratio Lower Upper

105 100

120 44.7 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 2.145 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 3494

Ion Ratio Lower Upper

75 100

53 91.2 48.3 144.8

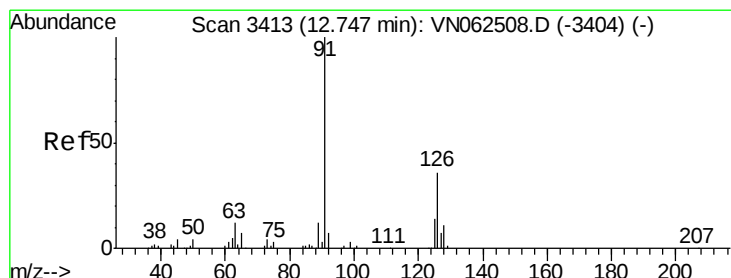
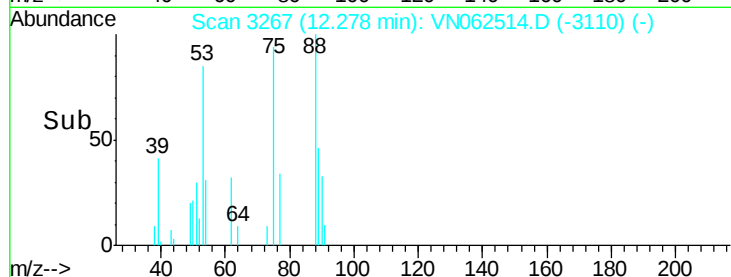
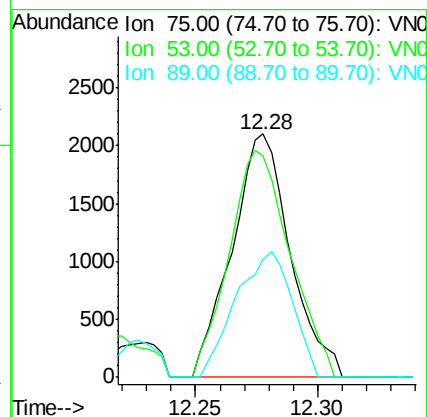
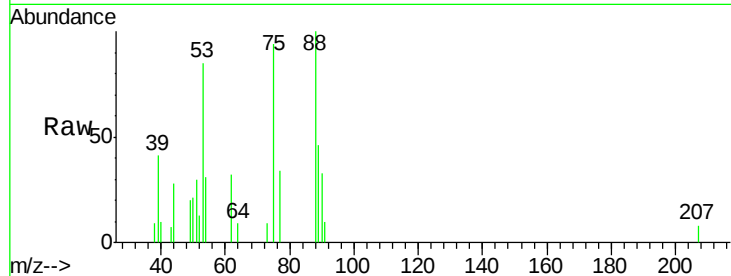
89 48.7 23.3 69.8

Manual Integrations

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#78

4-Chlorotoluene

Concen: 2.332 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062514.D

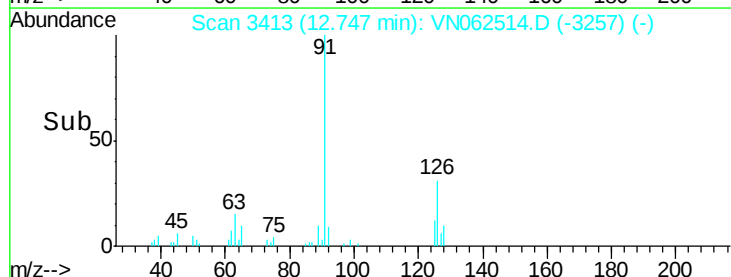
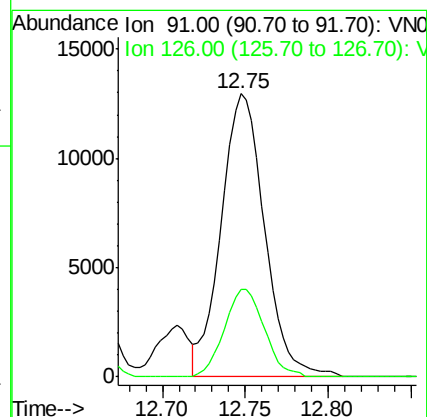
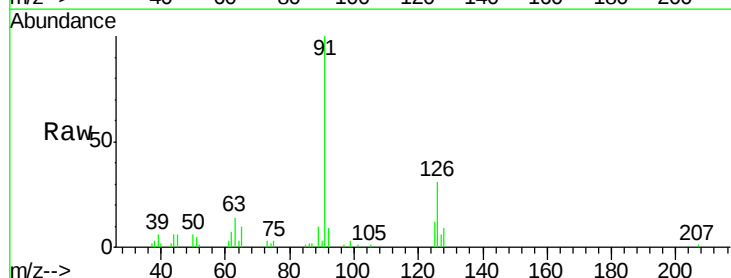
Acq: 13 Jul 2020 14:22

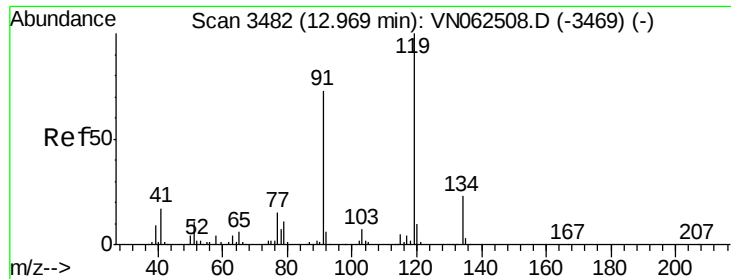
Tgt Ion: 91 Resp: 23594

Ion Ratio Lower Upper

91 100

126 28.4 0.0 62.2





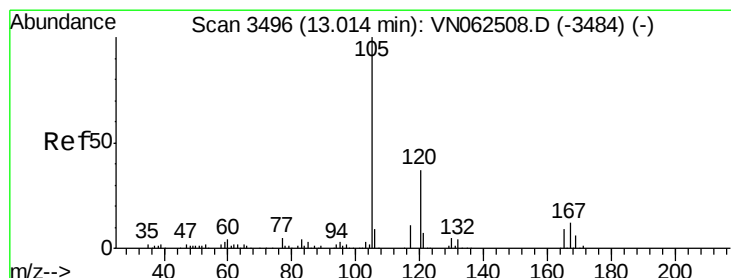
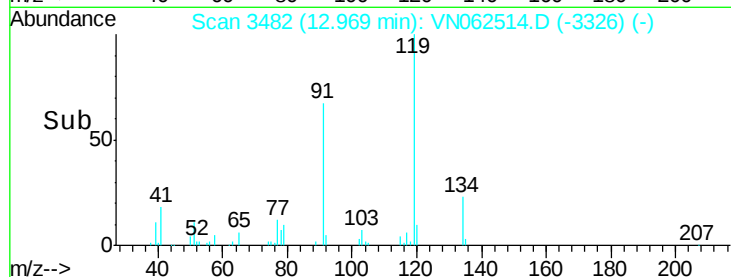
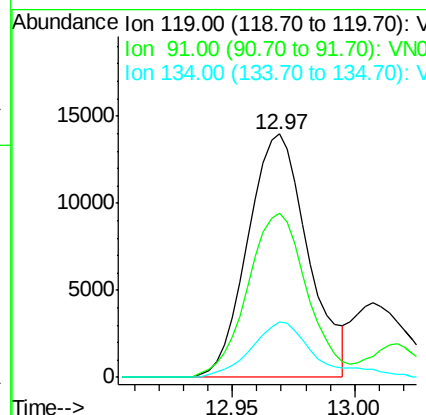
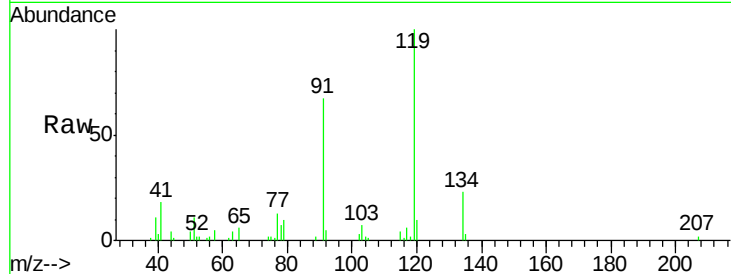
#79
tert-butylbenzene
Concen: 2.448 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	23930		
91	66.7	0.0	139.8	
134	24.1	0.0	45.0	

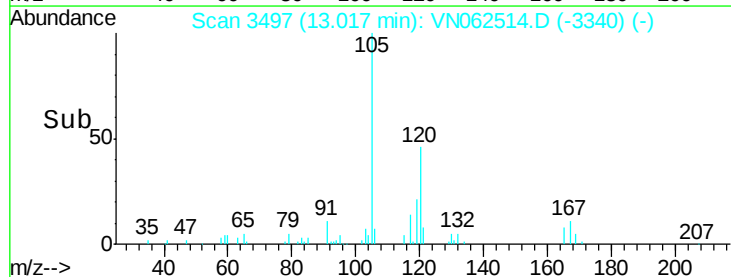
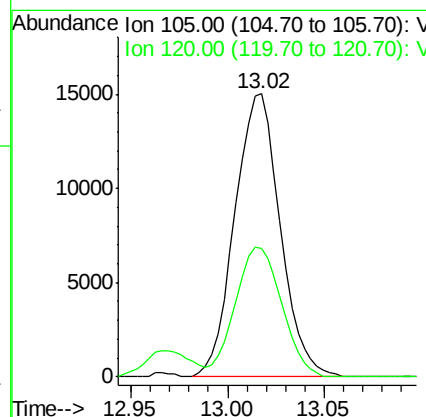
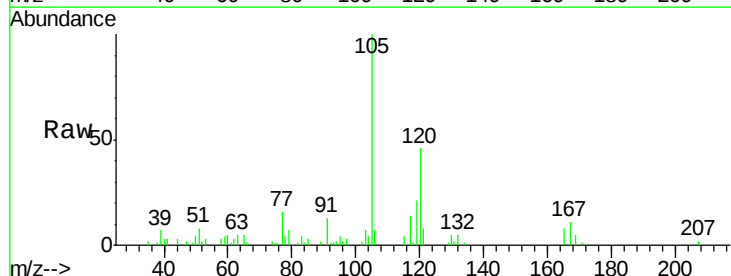
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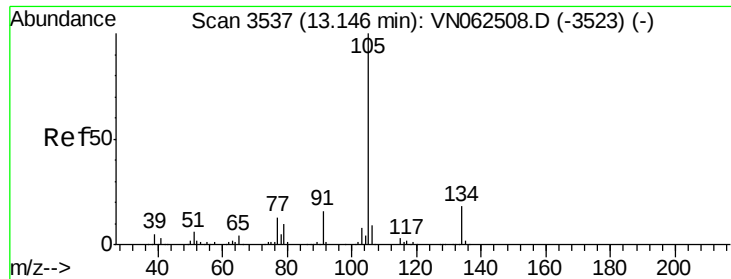
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 2.116 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	24571		
120	46.9	0.0	86.6	





#81

sec-Butylbenzene

Concen: 2.254 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 29594

Ion Ratio Lower Upper

105 100

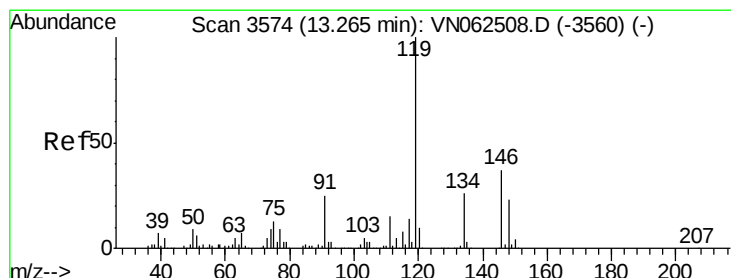
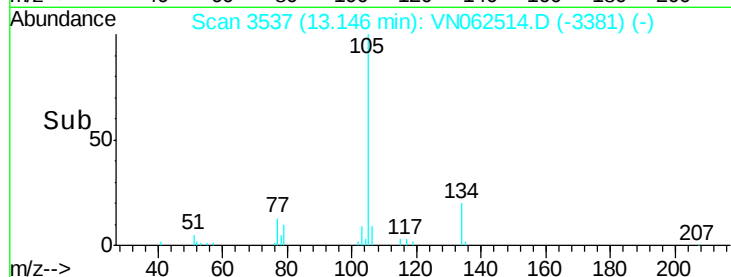
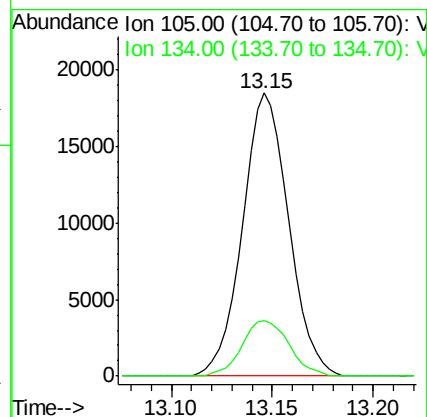
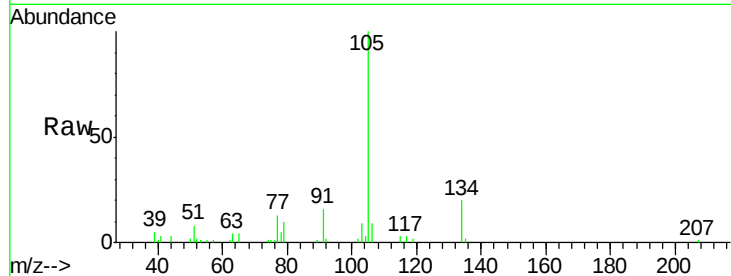
134 20.0 0.0 37.2

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#82

p-Isopropyltoluene

Concen: 2.024 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062514.D

Acq: 13 Jul 2020 14:22

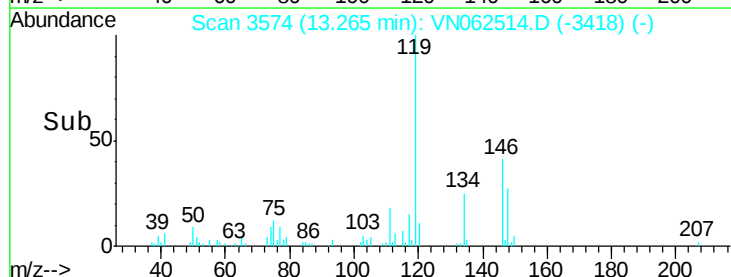
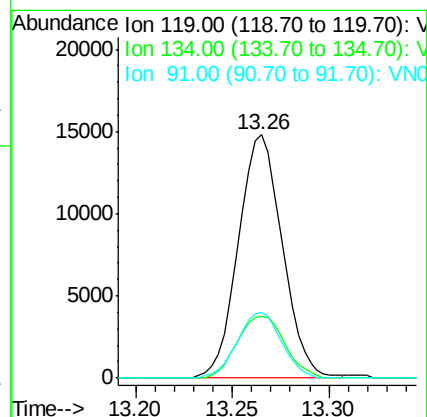
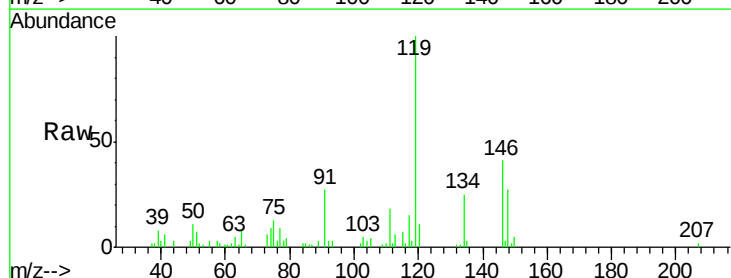
Tgt Ion:119 Resp: 23451

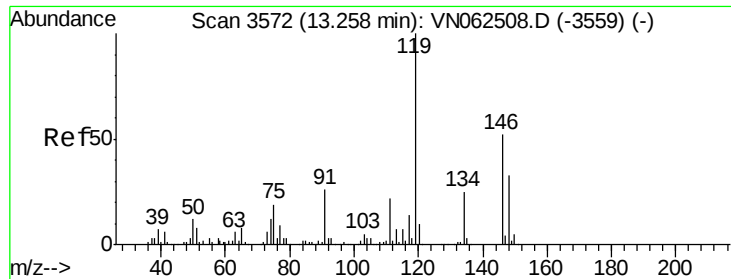
Ion Ratio Lower Upper

119 100

134 27.6 0.0 50.8

91 27.1 0.0 51.2





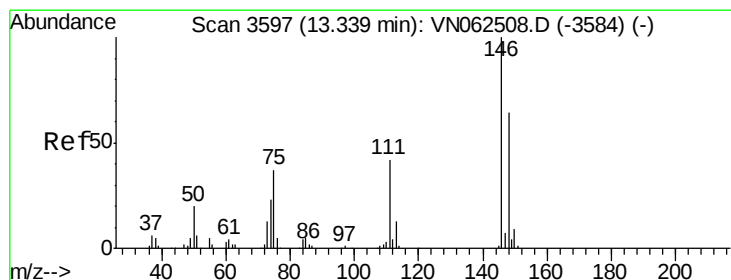
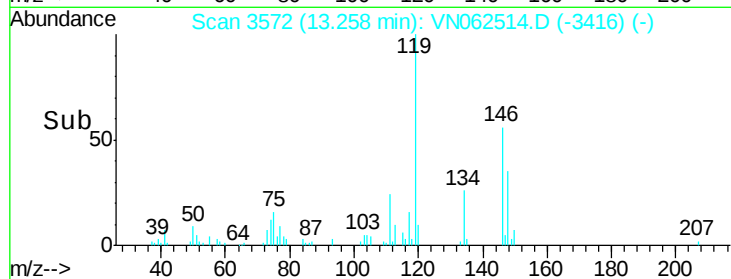
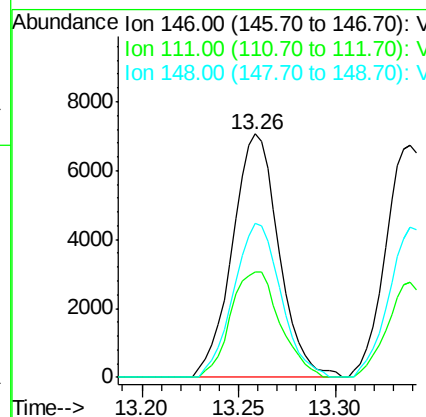
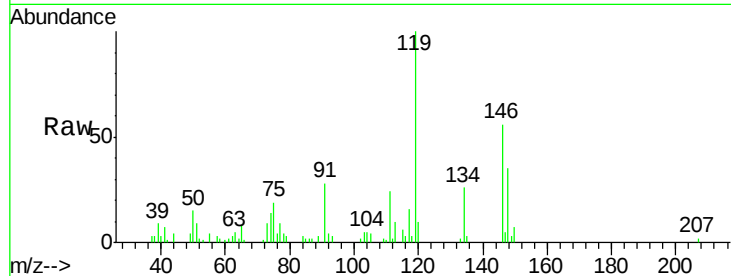
#83
 1,3-Dichlorobenzene
 Concen: 2.120 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.0	63.0
148	64.1	31.7	95.1

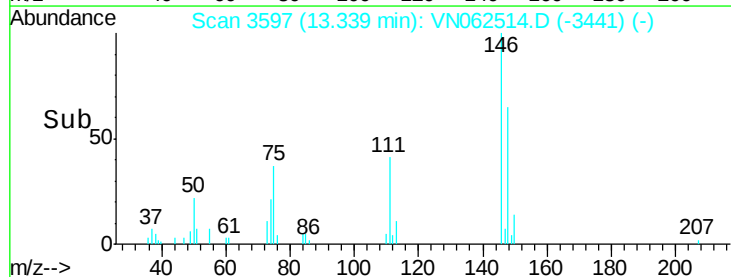
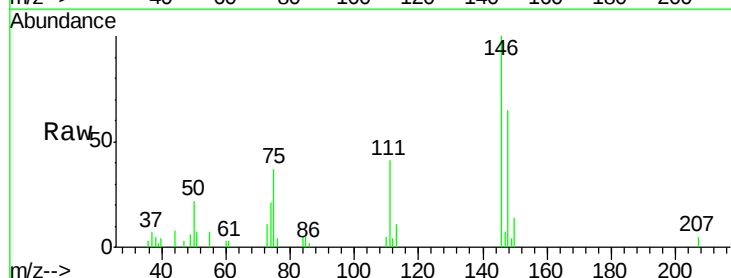
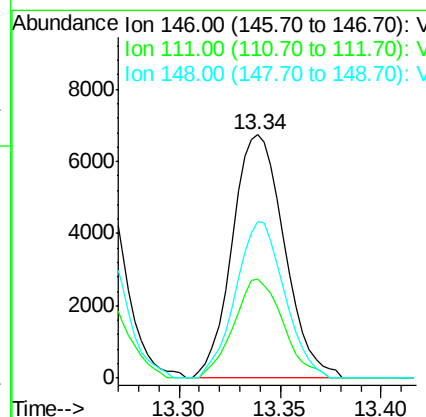
Manual Integrations
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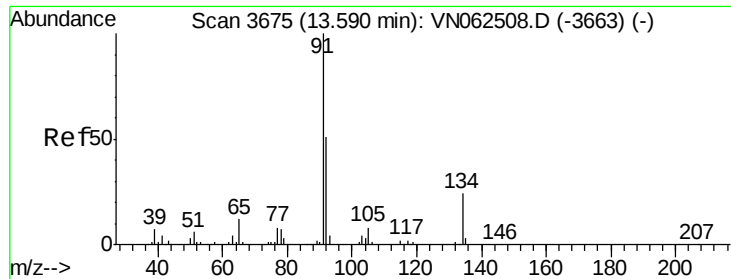
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#84
 1,4-Dichlorobenzene
 Concen: 2.220 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	21.4	64.2
148	60.2	32.4	97.2





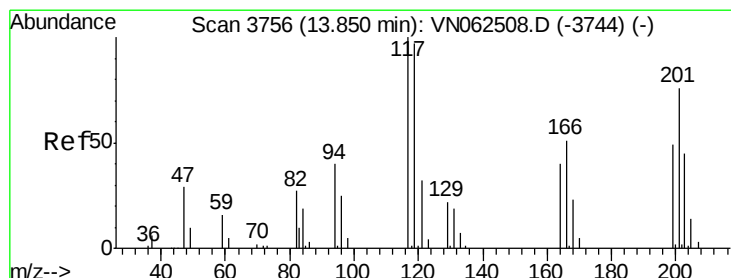
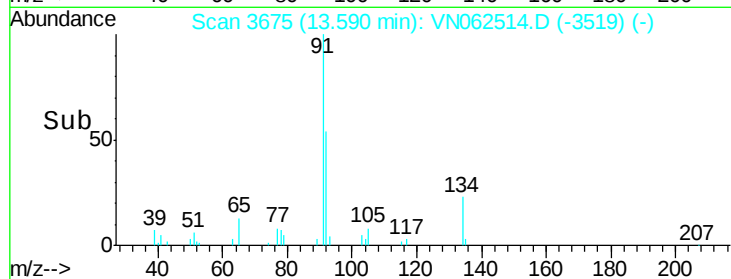
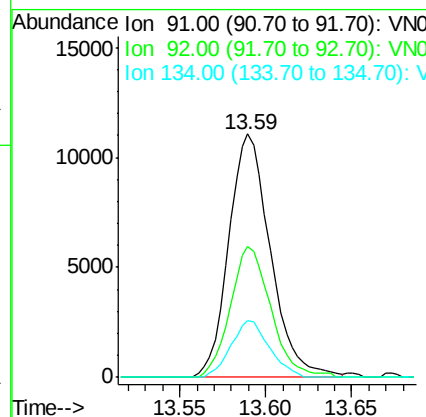
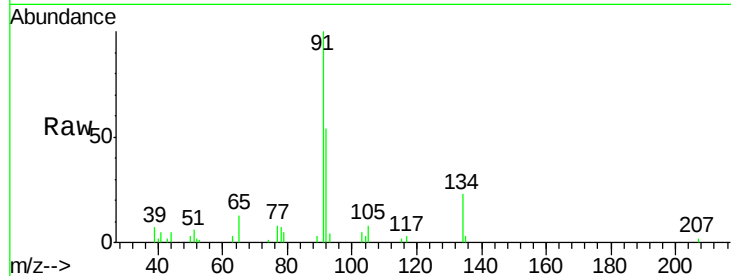
#85
n-Butylbenzene
Concen: 1.881 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100	18690		
92	51.8	0.0	102.4	
134	21.4	0.0	46.6	

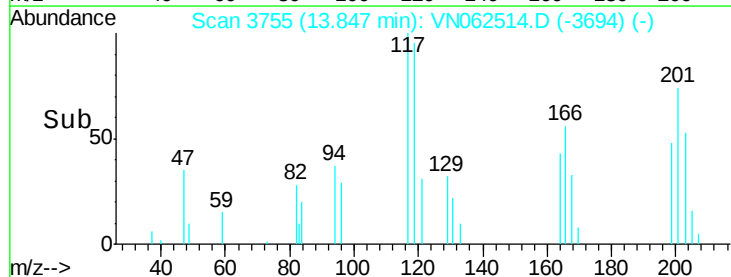
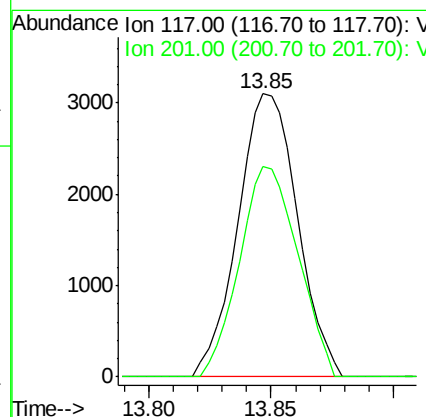
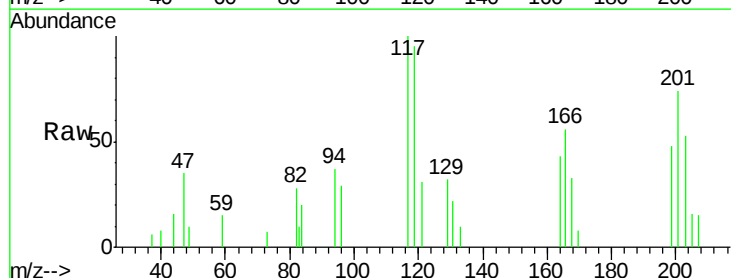
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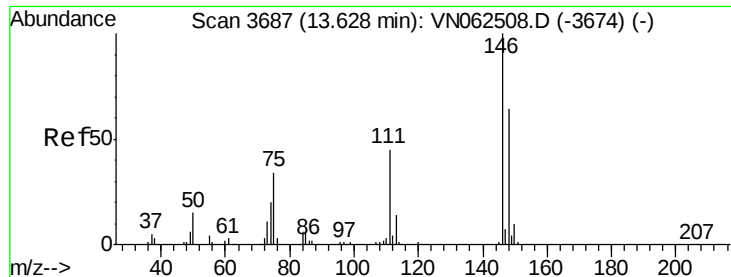
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#86
Hexachloroethane
Concen: 2.348 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	5248		
201	72.9	37.4	112.2	





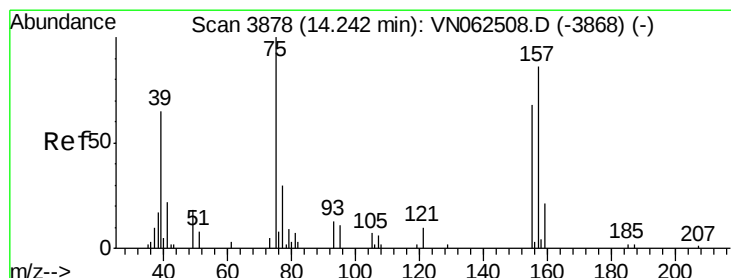
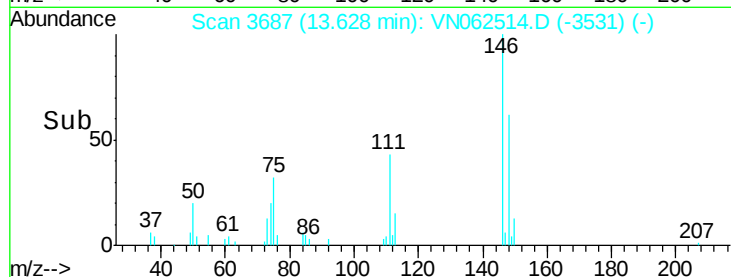
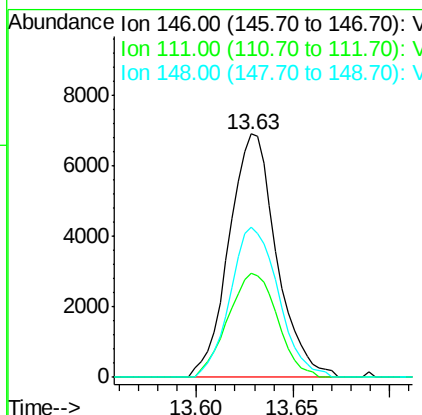
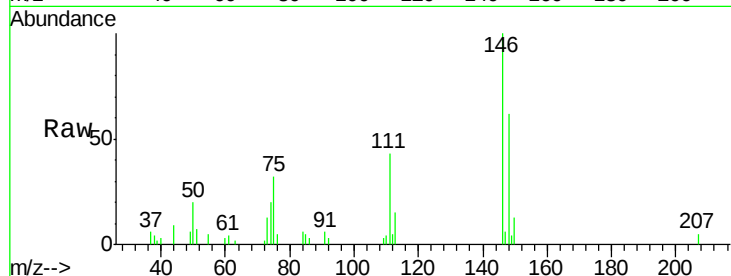
#87
 1,2-Dichlorobenzene
 Concen: 2.205 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.4	67.0
148	62.4	32.1	96.3

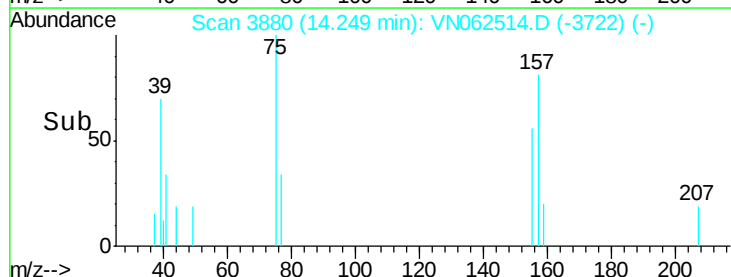
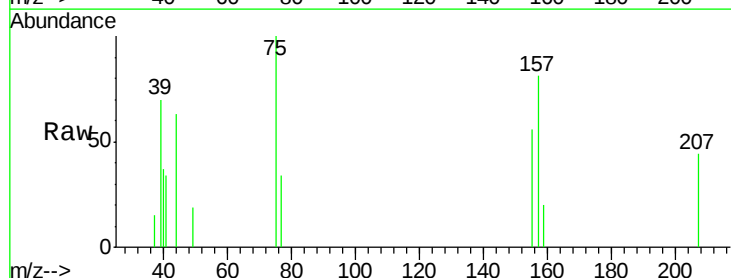
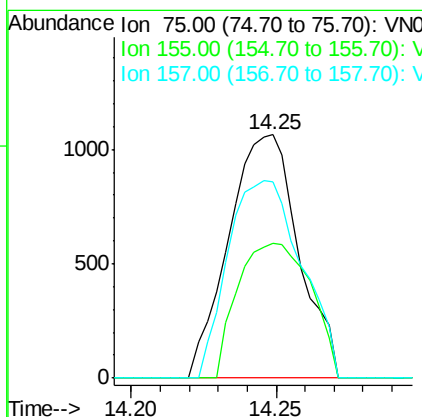
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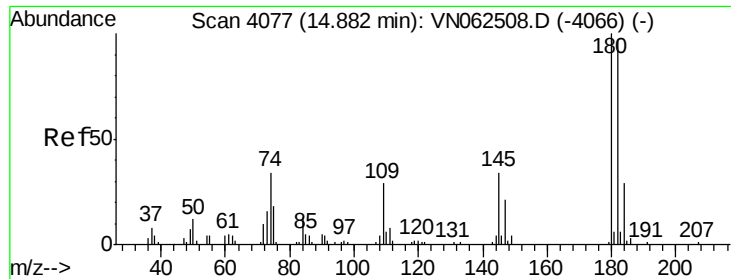
MMDadoda
 7/14/2020 11:36:50 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.109 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.01 min
 Lab File: VN062514.D
 Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.7	55.7	83.5
157	85.4	71.0	106.6





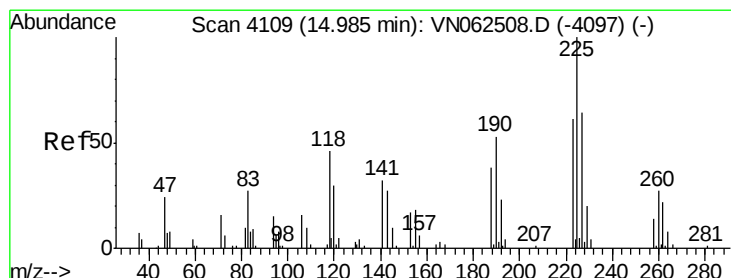
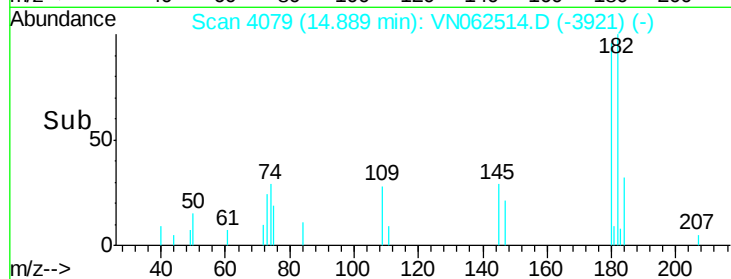
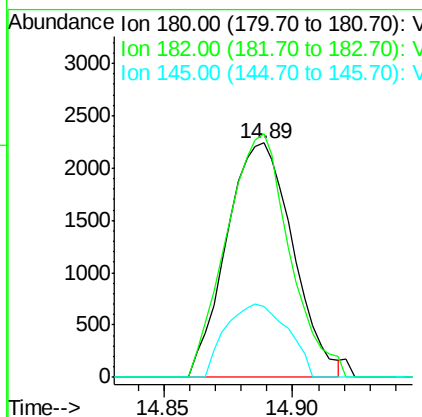
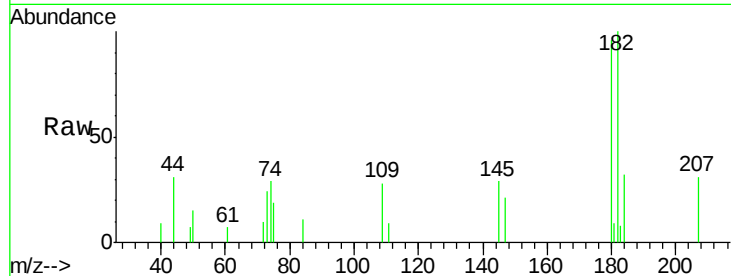
#89
1,2,4-Trichlorobenzene
Concen: 1.503 ug/l
RT: 14.89 min Scan# 4079
Delta R.T. 0.01 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	4008		
182	98.9	77.5	116.3	
145	29.3	26.1	39.1	

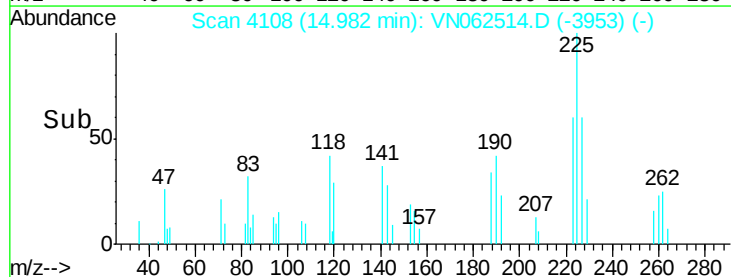
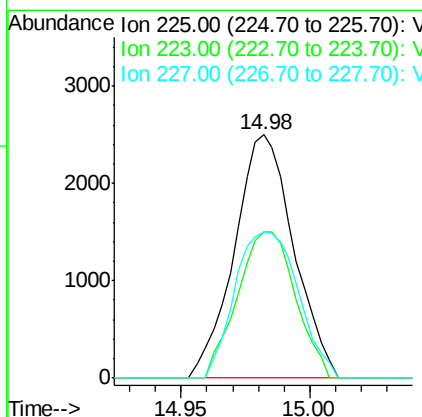
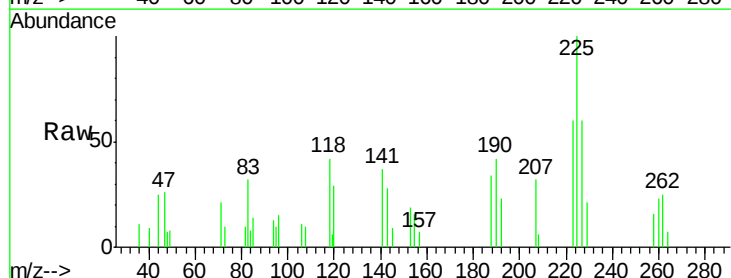
Manual Integrations
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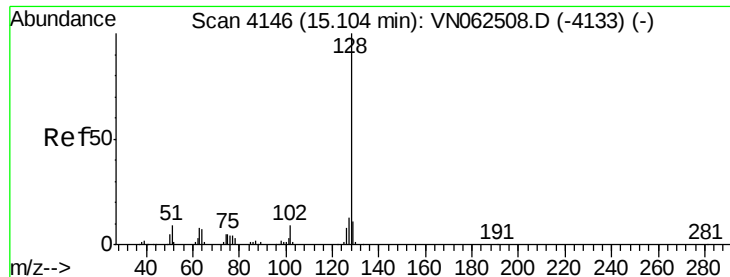
MMDadoda
7/14/2020 11:36:50 AM



#90
Hexachlorobutadiene
Concen: 2.697 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	3990		
223	58.9	0.0	120.4	
227	64.4	0.0	129.6	





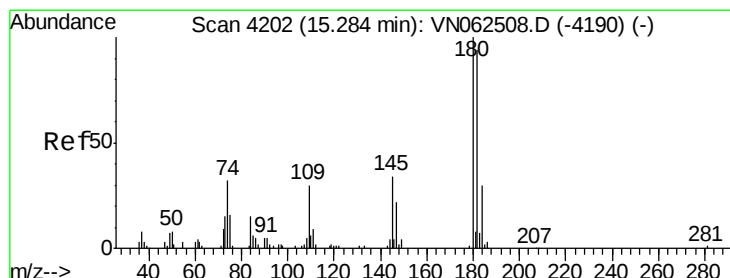
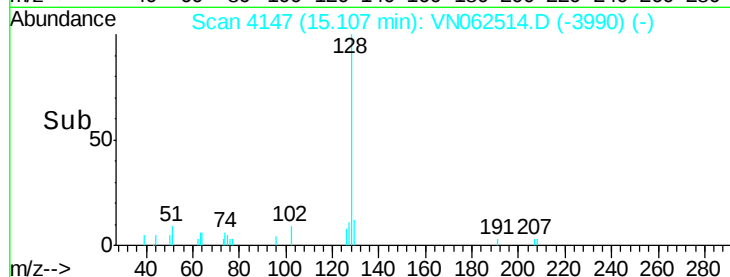
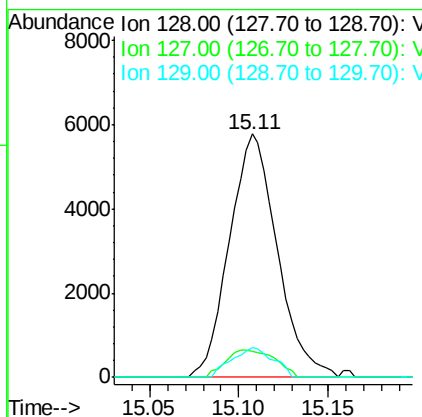
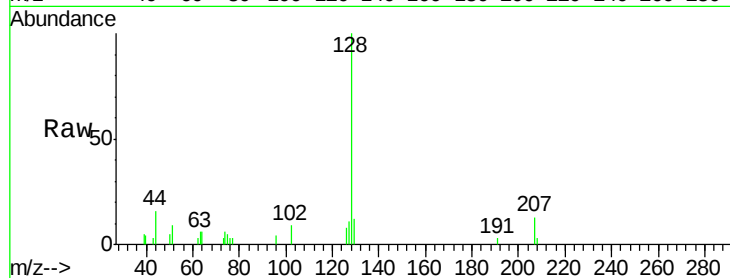
#91
Naphthalene
Concen: 1.493 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	10801		
127	11.5		10.0	15.0
129	10.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:50 AM



#92
1,2,3-Trichlorobenzene
Concen: 1.622 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062514.D
Acq: 13 Jul 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4360		
182	102.3		0.0	187.2
145	32.8		0.0	67.8

