

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062407.D
 Acq On : 8 Jul 2020 15:01
 Operator : JC/MD
 Sample : L3216-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:01 AM

Quant Time: Jul 09 04:01:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 03:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	180161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	320703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	285095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104957	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	144556	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
35) Dibromofluoromethane	7.55	113	99891	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
50) Toluene-d8	10.06	98	379521	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.38	95	124961	43.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	998	0.544	ug/l	97
3) Chloromethane	2.04	50	1867	0.634	ug/l	95
4) Vinyl Chloride	2.16	62	1402	0.581	ug/l	93
5) Bromomethane	2.54	94	1076	0.830	ug/l	98
6) Chloroethane	2.67	64	848	0.604	ug/l	92
7) Trichlorofluoromethane	2.98	101	1743	0.569	ug/l	96
8) Diethyl Ether	3.37	74	679	0.496	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.72	101	851	0.469	ug/l #	83
10) Methyl Iodide	3.91	142	618m	0.258	ug/l	
11) Tert butyl alcohol	4.73	59	1177m	2.560	ug/l	
12) 1,1-Dichloroethene	3.70	96	1221	0.660	ug/l #	59
13) Acrolein	3.57	56	899	2.711	ug/l #	73
14) Allyl chloride	4.28	41	2602	0.598	ug/l #	86
15) Acrylonitrile	4.95	53	3027	2.511	ug/l #	80
16) Acetone	3.79	43	4170	3.544	ug/l	99
17) Carbon Disulfide	4.01	76	4352	0.751	ug/l #	94
18) Methyl Acetate	4.28	43	2123m	0.723	ug/l	
19) Methyl tert-butyl Ether	4.99	73	3753	0.535	ug/l	99
20) Methylene Chloride	4.51	84	1945	0.773	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	1291m	0.644	ug/l	
22) Diisopropyl ether	5.90	45	4667	0.543	ug/l #	77
23) Vinyl Acetate	5.85	43	18054	2.536	ug/l	96
24) 1,1-Dichloroethane	5.80	63	2321	0.523	ug/l #	85
25) 2-Butanone	6.81	43	4735m	2.756	ug/l	
26) 2,2-Dichloropropane	6.79	77	1979m	0.581	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	1063	0.458	ug/l	73
28) Bromochloromethane	7.16	49	1144	0.474	ug/l #	80
29) Tetrahydrofuran	7.17	42	3254m	2.813	ug/l	
30) Chloroform	7.33	83	2310	0.576	ug/l #	79
31) Cyclohexane	7.63	56	6847	1.627	ug/l #	1
32) 1,1,1-Trichloroethane	7.53	97	1639	0.492	ug/l #	52
36) 1,1-Dichloropropene	7.75	75	1702	0.527	ug/l #	80
37) Ethyl Acetate	6.89	43	2479m	0.656	ug/l	
38) Carbon Tetrachloride	7.73	117	1500	0.516	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	1934	0.561	ug/l #	82
40) Benzene	8.00	78	4942	0.519	ug/l	95
41) Methacrylonitrile	7.12	41	998m	0.632	ug/l	
42) 1,2-Dichloroethane	8.09	62	2346	0.673	ug/l #	78
43) Isopropyl Acetate	8.13	43	2913	0.488	ug/l #	80
44) Trichloroethene	8.80	130	1108	0.524	ug/l	85
45) 1,2-Dichloropropane	9.08	63	1468	0.531	ug/l	99
46) Dibromomethane	9.17	93	778	0.499	ug/l	87
47) Bromodichloromethane	9.37	83	1691	0.507	ug/l #	97
48) Methyl methacrylate	9.17	41	1527	0.522	ug/l	92
49) 1,4-Dioxane	9.17	88	464	10.889	ug/l #	51
51) 4-Methyl-2-Pentanone	9.95	43	8765	2.459	ug/l	96
52) Toluene	10.12	92	3078	0.560	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	1782	0.477	ug/l #	67
54) cis-1,3-Dichloropropene	9.81	75	1920	0.466	ug/l #	85
55) 1,1,2-Trichloroethane	10.53	97	1140	0.527	ug/l #	83
56) Ethyl methacrylate	10.40	69	1492	0.413	ug/l	95
57) 1,3-Dichloropropane	10.68	76	2095	0.524	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.66	63	2423	1.888	ug/l #	88
59) 2-Hexanone	10.73	43	6383	2.466	ug/l	82
60) Dibromochloromethane	10.88	129	1010	0.431	ug/l	81
61) 1,2-Dibromoethane	10.98	107	995	0.456	ug/l	85
64) Tetrachloroethene	10.60	164	1065	0.630	ug/l	93
65) Chlorobenzene	11.41	112	3174	0.573	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.48	131	1070	0.524	ug/l #	59
67) Ethyl Benzene	11.48	91	5493	0.528	ug/l	97
68) m/p-Xylenes	11.60	106	3520	0.956	ug/l	92
69) o-Xylene	11.92	106	1749	0.488	ug/l	97
70) Styrene	11.94	104	2524	0.426	ug/l	96
71) Bromoform	12.10	173	771	0.515	ug/l #	75
73) Isopropylbenzene	12.22	105	4765	0.587	ug/l	95
74) N-amyl acetate	12.05	43	2055	0.520	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.48	83	1648	0.603	ug/l #	96
76) 1,2,3-Trichloropropane	12.53	75	1757m	0.682	ug/l	
77) Bromobenzene	12.51	156	1262	0.683	ug/l	87
78) n-propylbenzene	12.57	91	5634	0.594	ug/l	97
79) 2-Chlorotoluene	12.65	91	3661	0.636	ug/l	88
80) 1,3,5-Trimethylbenzene	12.71	105	3671	0.551	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.27	75	358m	0.372	ug/l	
82) 4-Chlorotoluene	12.75	91	3679	0.629	ug/l	85
83) tert-Butylbenzene	12.97	119	2950	0.522	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	3787	0.572	ug/l	94
85) sec-Butylbenzene	13.15	105	4015	0.536	ug/l	97
86) p-Isopropyltoluene	13.26	119	3548	0.549	ug/l	93
87) 1,3-Dichlorobenzene	13.26	146	1814	0.569	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	2010m	0.613	ug/l	
89) n-Butylbenzene	13.59	91	2704	0.474	ug/l	95
90) Hexachloroethane	13.85	117	587	0.462	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	1693	0.550	ug/l	95
93) 1,2,4-Trichlorobenzene	14.89	180	603	0.434	ug/l #	86

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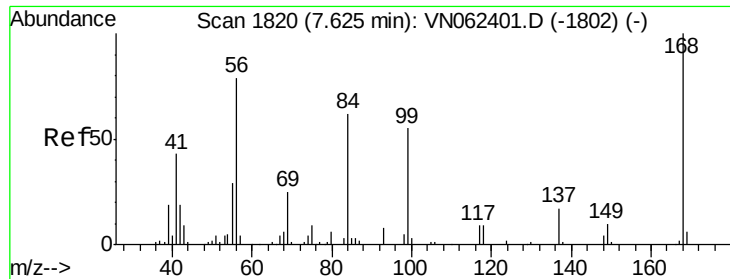
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	506	0.619	ug/l	76
95) Naphthalene	15.11	128	1893	0.483	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.29	180	815	0.564	ug/l #	78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 180161

Ion Ratio Lower Upper

168 100

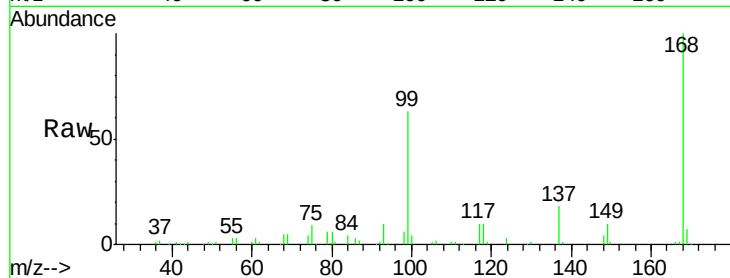
99 62.8 48.8 73.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

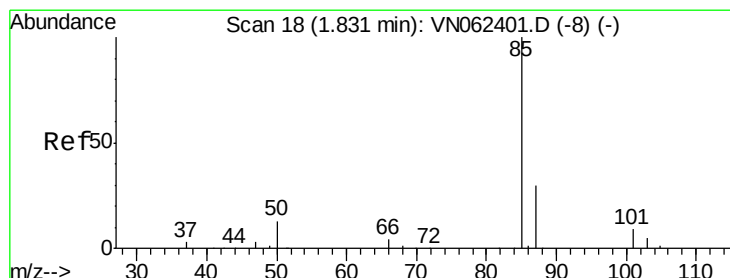
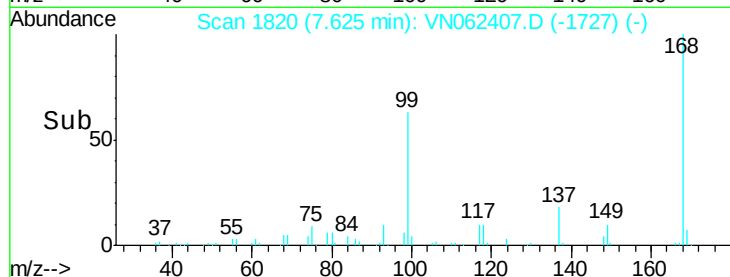
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.544 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062407.D

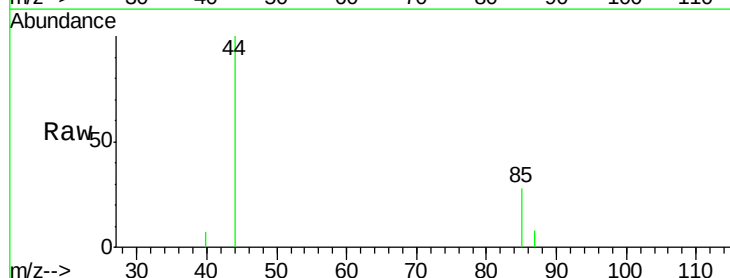
Acq: 8 Jul 2020 15:01

Tgt Ion: 85 Resp: 998

Ion Ratio Lower Upper

85 100

87 28.4 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

800

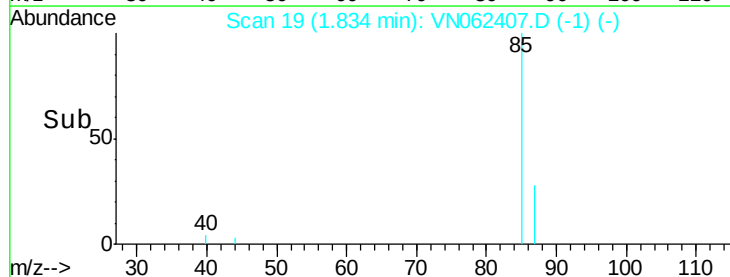
600

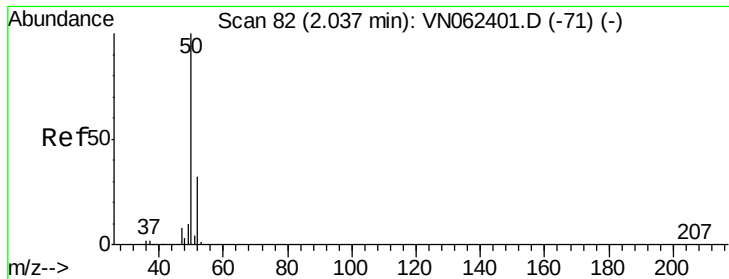
400

200

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.634 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 1867

Ion Ratio Lower Upper

50 100

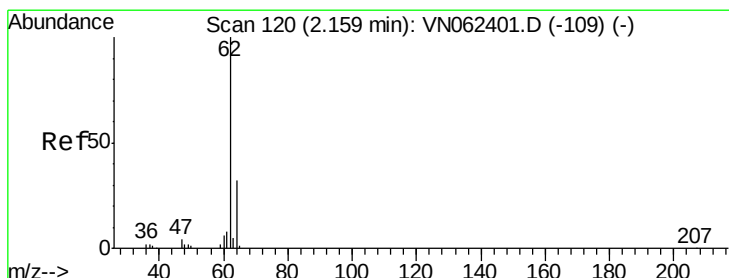
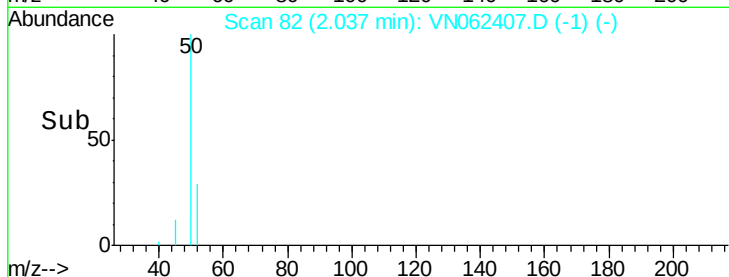
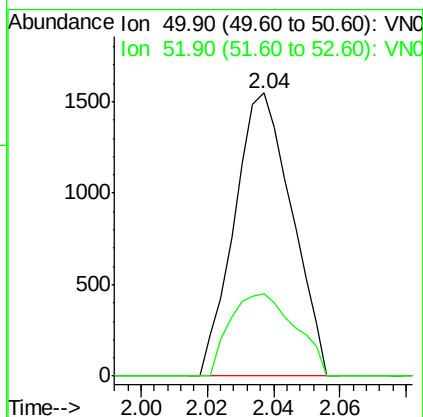
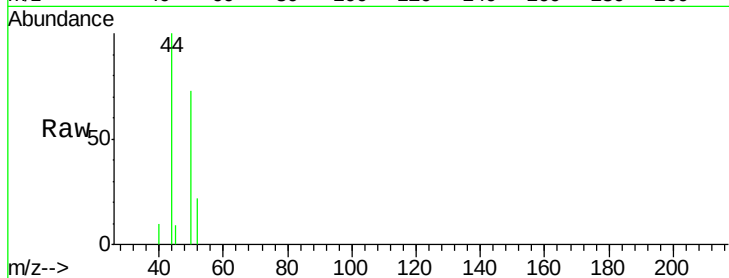
52 29.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 0.581 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062407.D

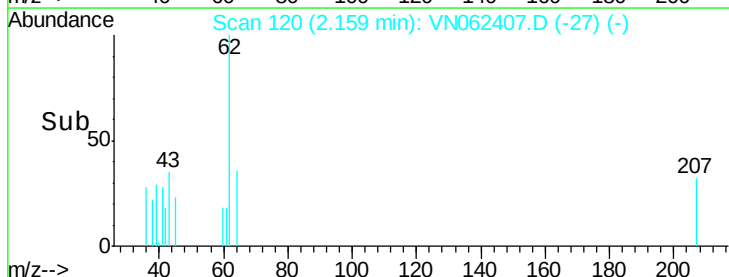
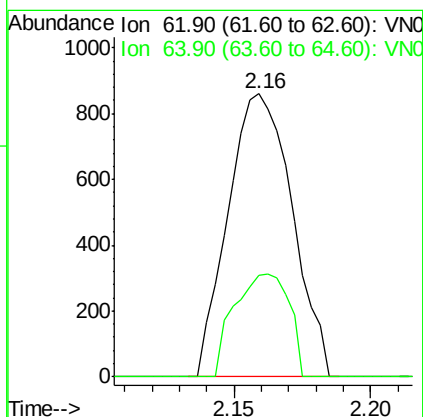
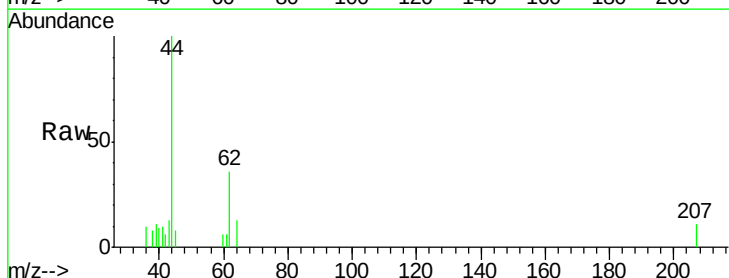
Acq: 8 Jul 2020 15:01

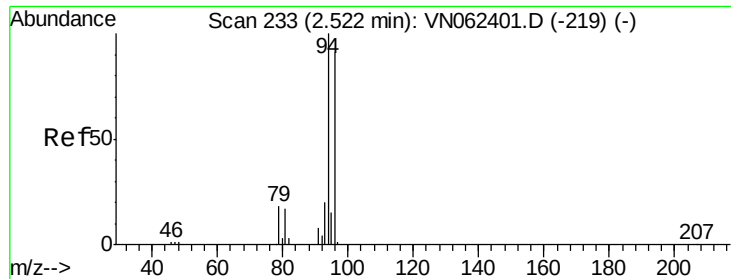
Tgt Ion: 62 Resp: 1402

Ion Ratio Lower Upper

62 100

64 36.0 25.7 38.5





#5

Bromomethane

Concen: 0.830 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

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Tot Ion: 94 Resp: 1076

Ion Ratio Lower Upper

94 100

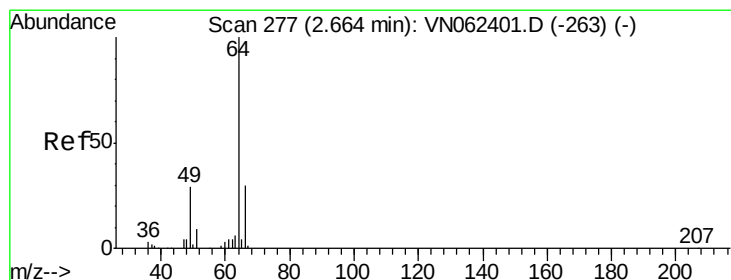
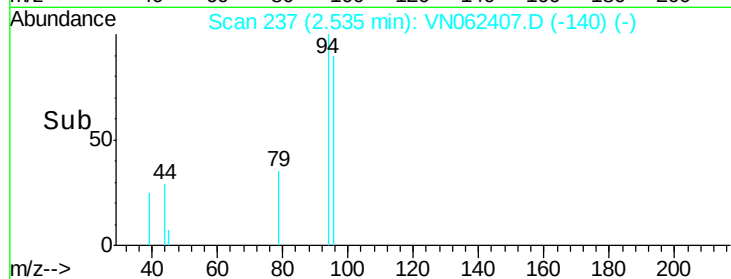
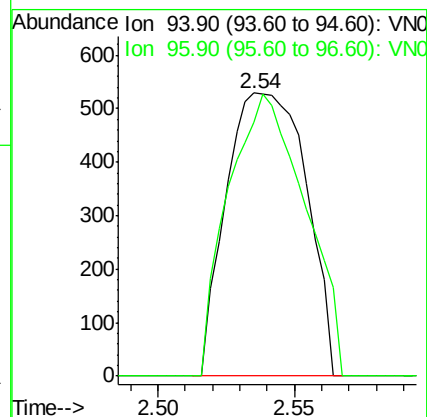
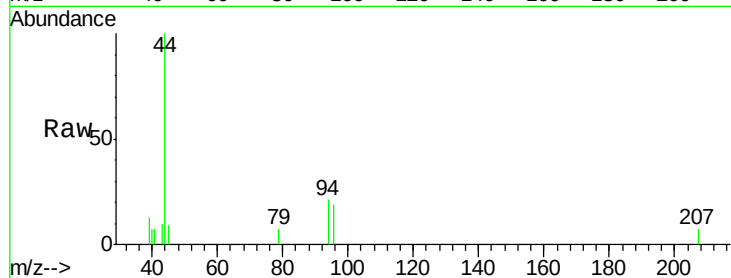
96 89.8 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 0.604 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN062407.D

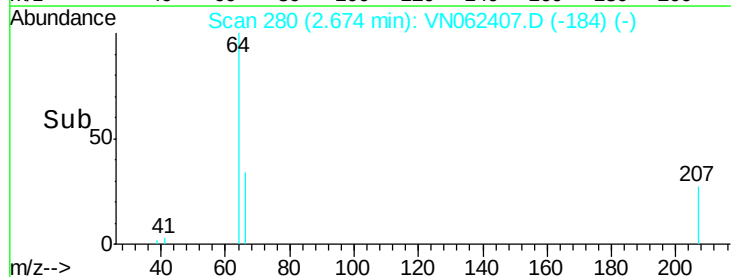
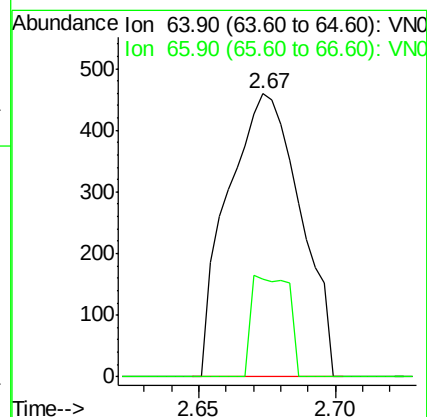
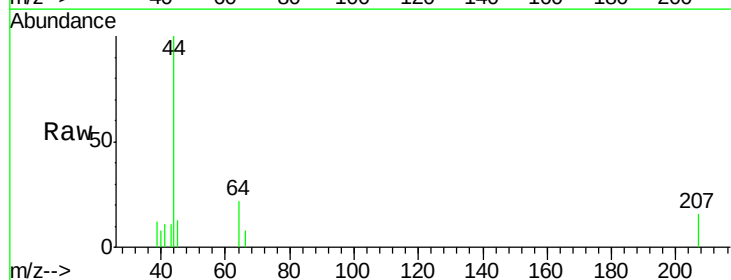
Acq: 8 Jul 2020 15:01

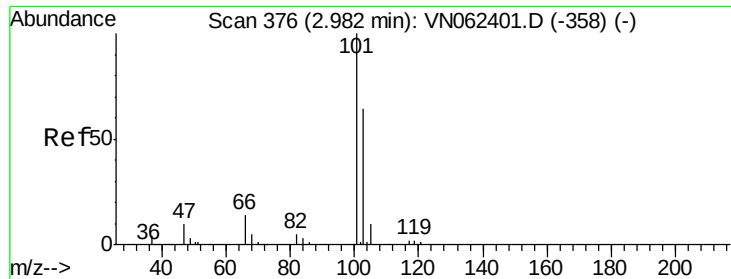
Tgt Ion: 64 Resp: 848

Ion Ratio Lower Upper

64 100

66 34.4 24.2 36.2





#7

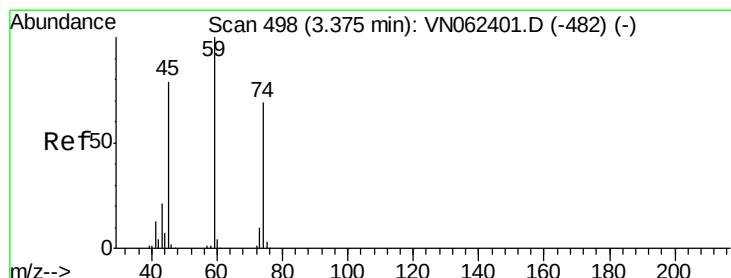
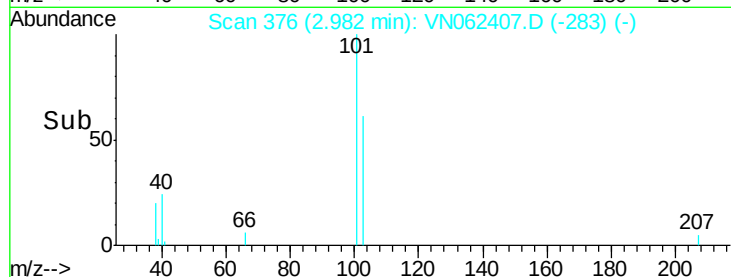
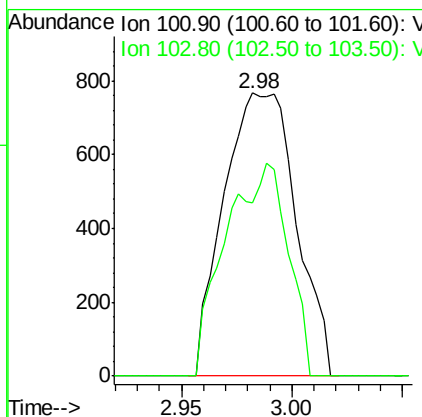
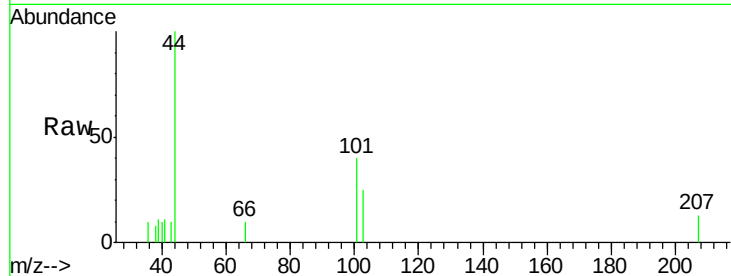
Trichlorofluoromethane
Concen: 0.569 ug/l
RT: 2.98 min Scan# 376
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.6	77.4

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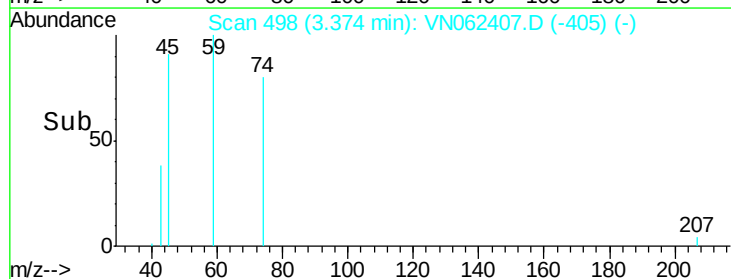
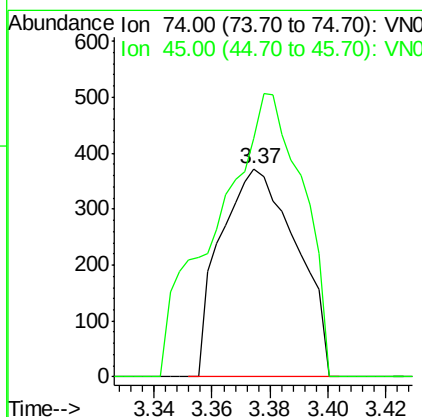
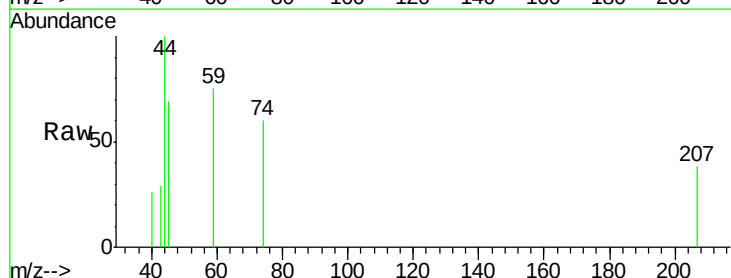
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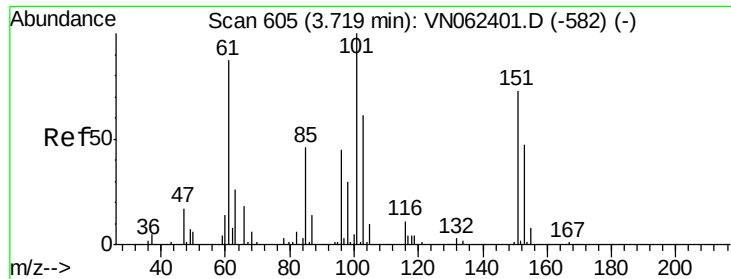


#8

Diethyl Ether
Concen: 0.496 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	154.6	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.469 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

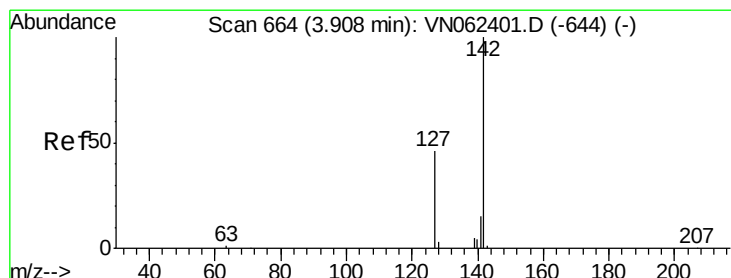
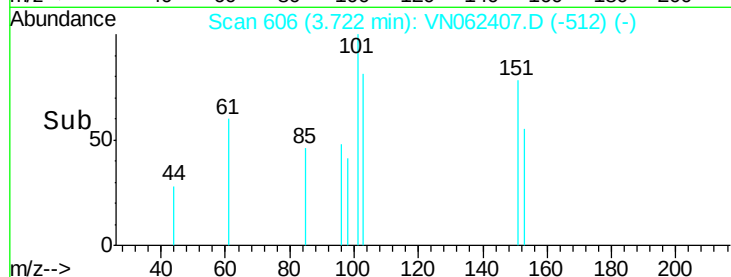
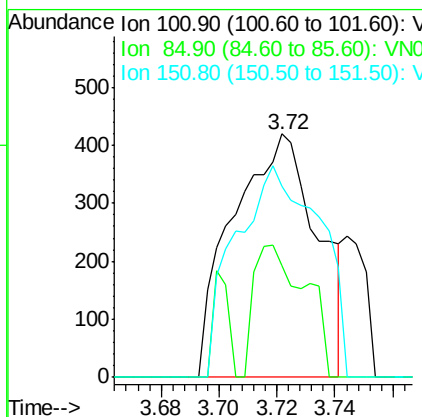
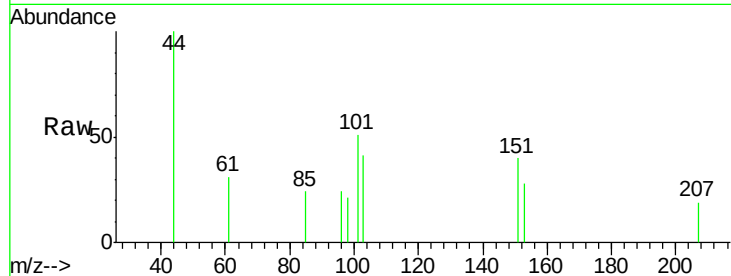
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	851
Ion Ratio	Lower	Upper	
101	100		
85	33.0	36.7	55.1#
151	86.3	58.3	87.5

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#10

Methyl Iodide

Concen: 0.258 ug/l m

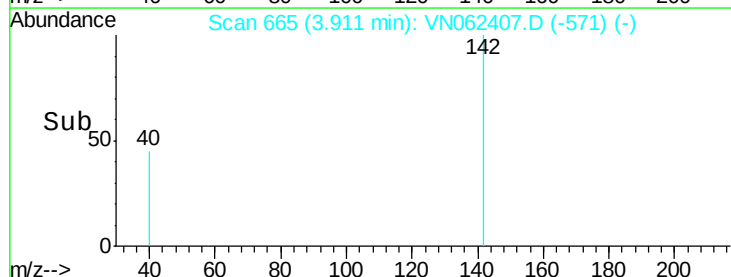
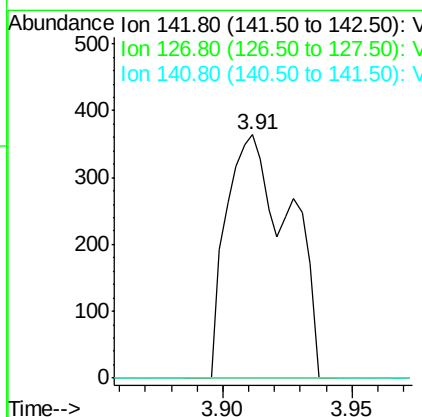
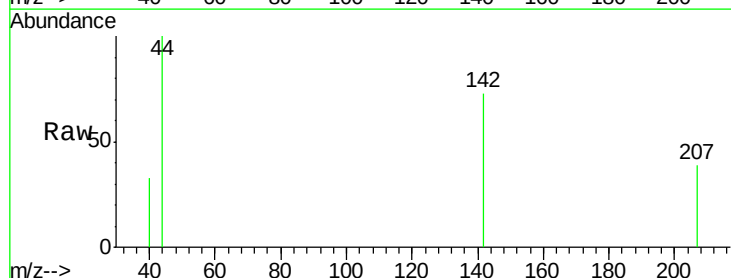
RT: 3.91 min Scan# 665

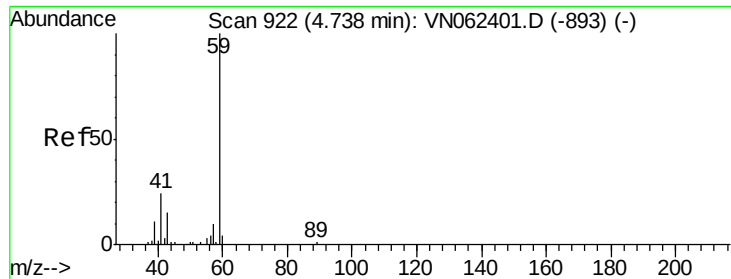
Delta R.T. 0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	142	Resp:	618
Ion Ratio	Lower	Upper	
142	100		
127	0.0	36.1	54.1#
141	0.0	11.4	17.0#





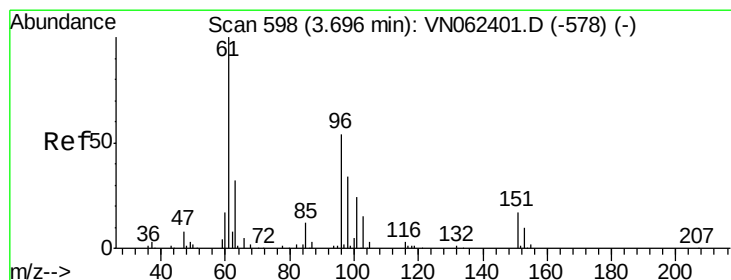
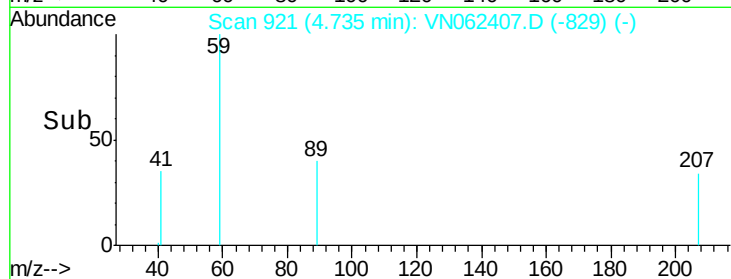
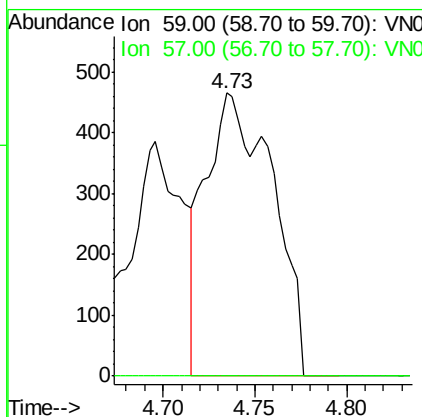
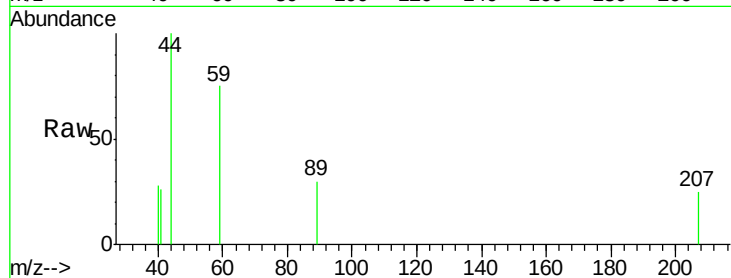
#11
Tert butyl alcohol
Concen: 2.560 ug/l m
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion: 59 Resp: 1177
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

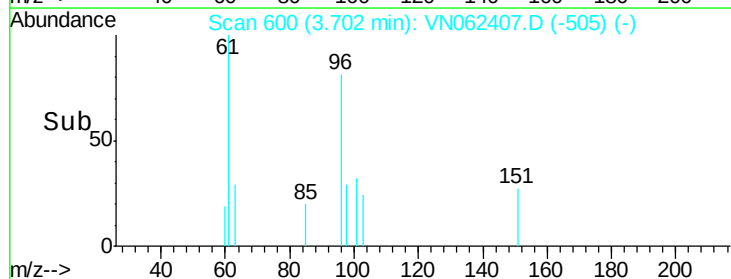
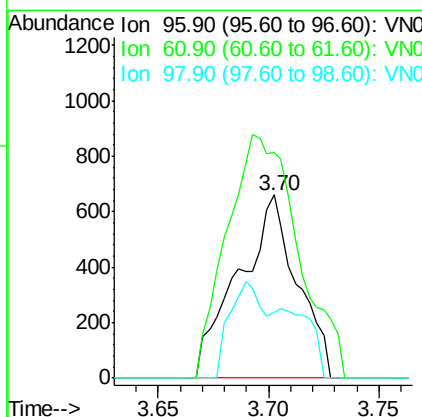
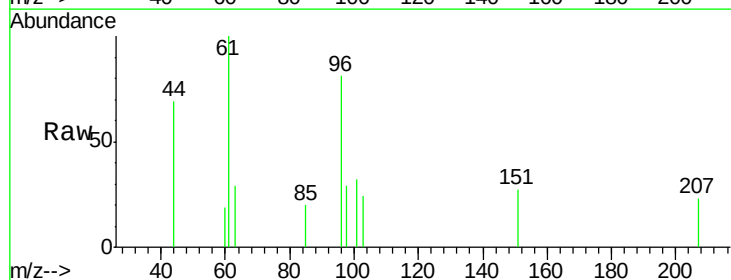
Manual Integrations
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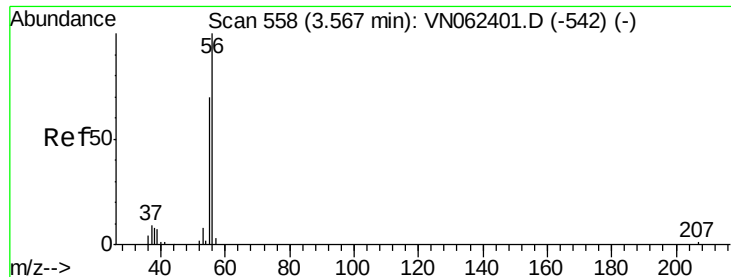
MMDadoda
7/9/2020 10:55:01 AM



#12
1,1-Dichloroethene
Concen: 0.660 ug/l
RT: 3.70 min Scan# 600
Delta R.T. 0.01 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion: 96 Resp: 1221
Ion Ratio Lower Upper
96 100
61 123.2 147.4 221.0#
98 35.8 50.4 75.6#





#13

Acrolein

Concen: 2.711 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 899

Ion Ratio Lower Upper

56 100

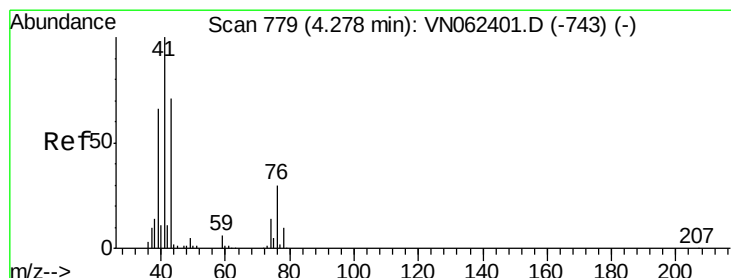
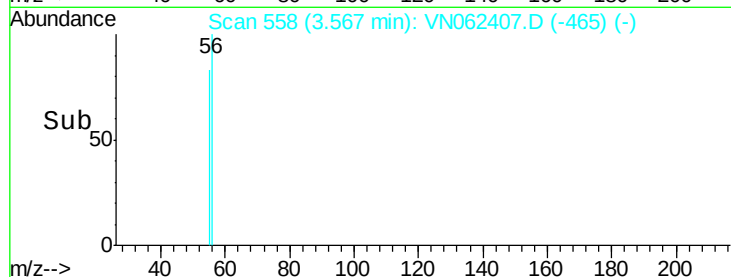
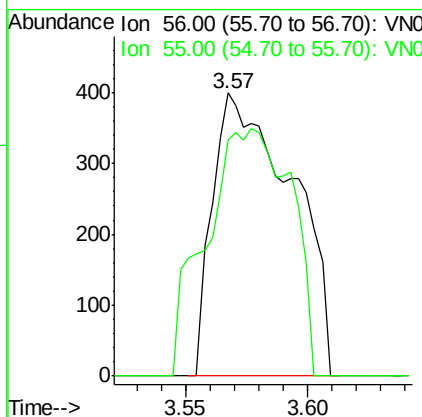
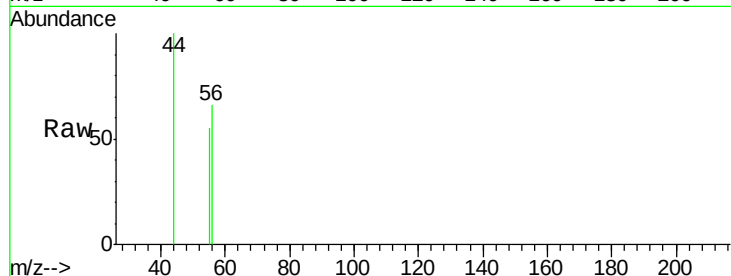
55 94.1 57.2 85.8#

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7/9/2020 10:55:01 AM



#14

Allyl chloride

Concen: 0.598 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

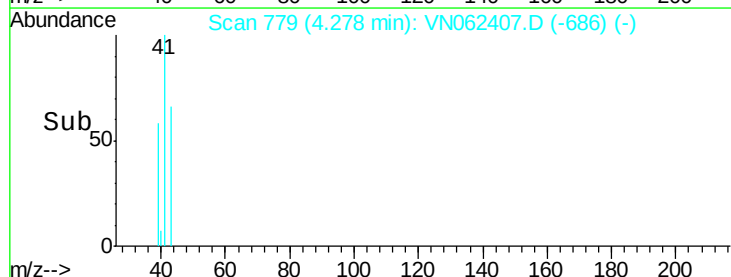
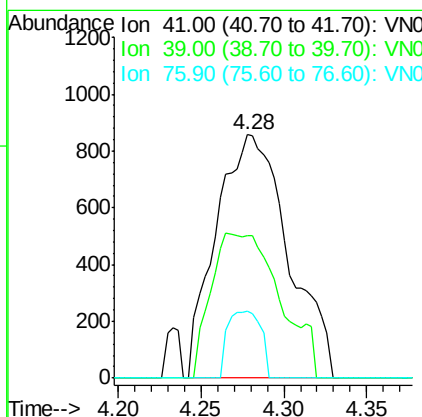
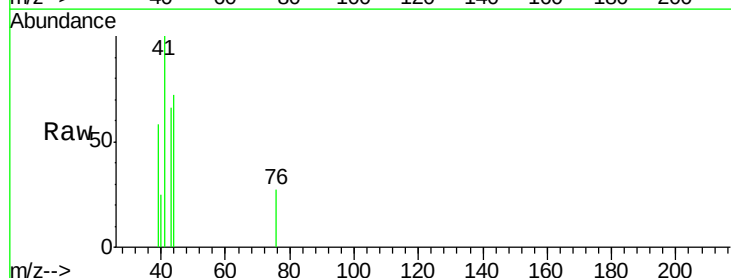
Tgt Ion: 41 Resp: 2602

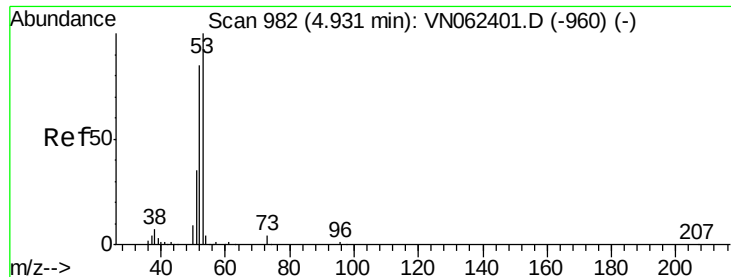
Ion Ratio Lower Upper

41 100

39 56.5 49.6 74.4

76 12.4 22.2 33.4#





#15

Acrylonitrile

Concen: 2.511 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.02 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

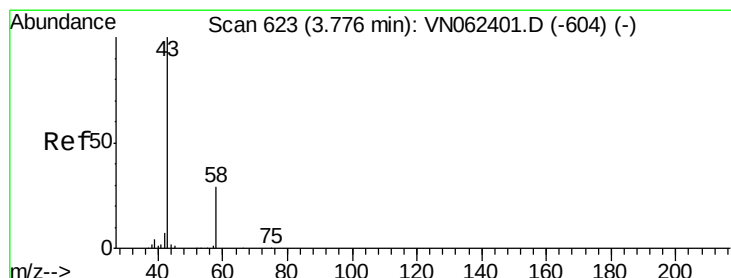
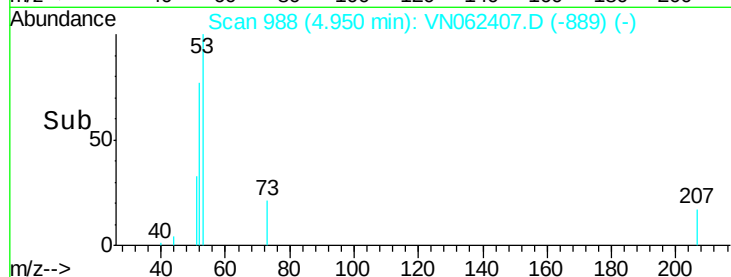
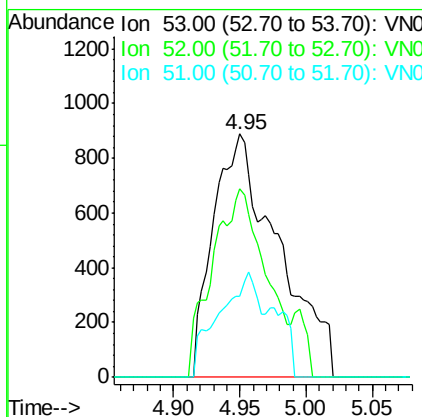
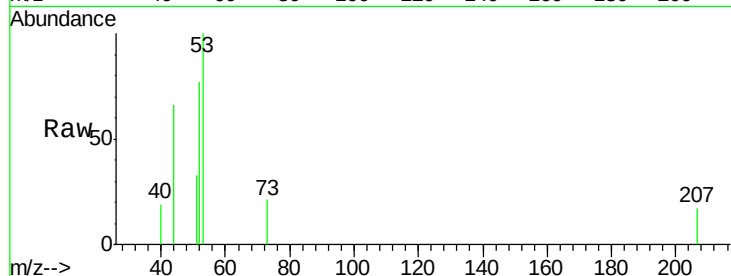
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	53	Resp:	3027
Ion	Ratio	Lower	Upper
53	100		
52	63.1	66.2	99.4#
51	27.6	28.7	43.1#

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#16

Acetone

Concen: 3.544 ug/l

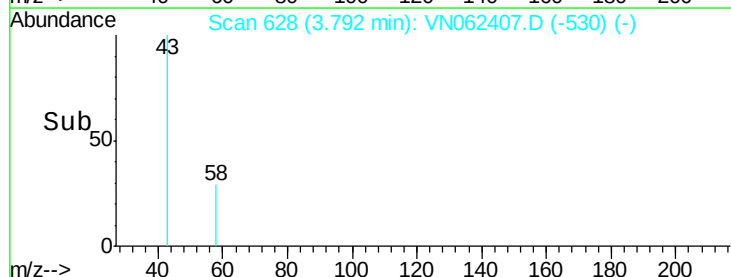
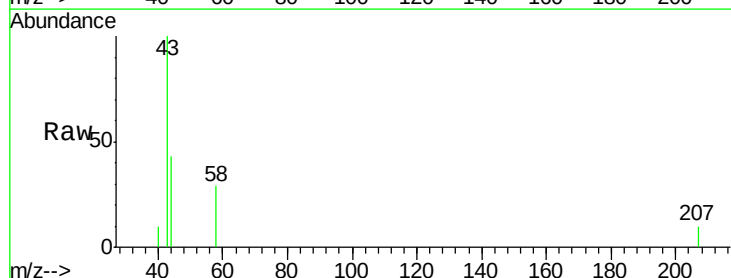
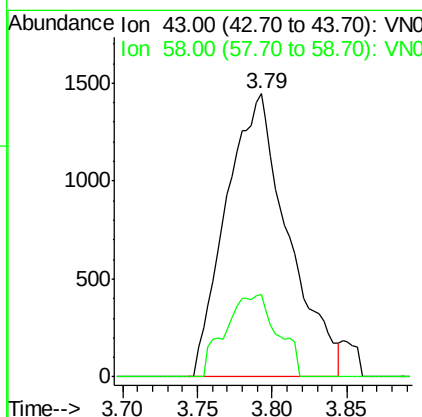
RT: 3.79 min Scan# 628

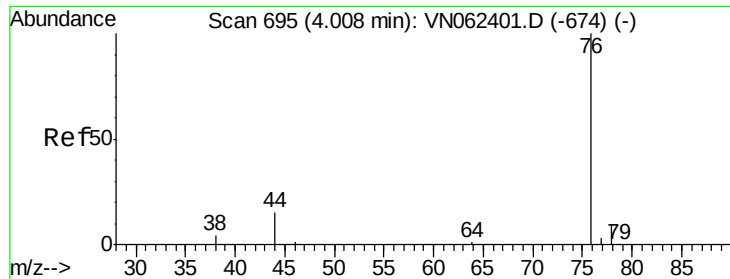
Delta R.T. 0.02 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	43	Resp:	4170
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.5	35.3





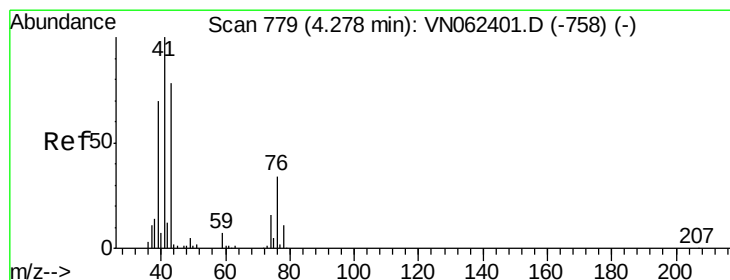
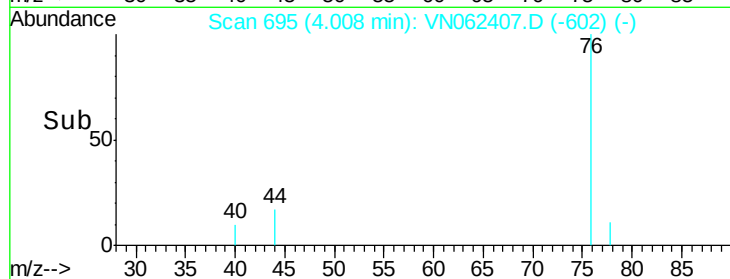
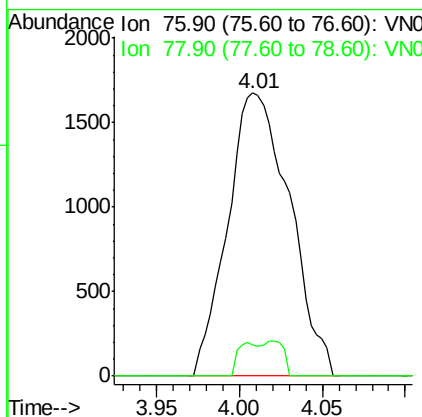
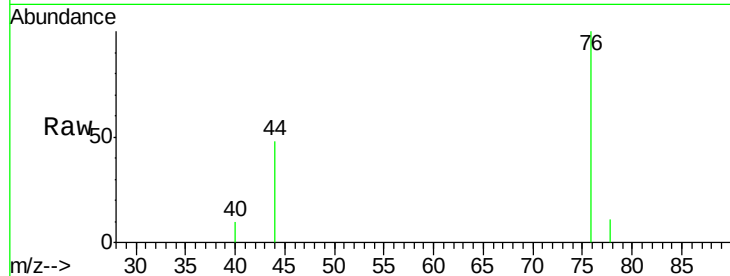
#17
Carbon Disulfide
Concen: 0.751 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion: 76 Resp: 4352
Ion Ratio Lower Upper
76 100
78 11.1 7.3 10.9#

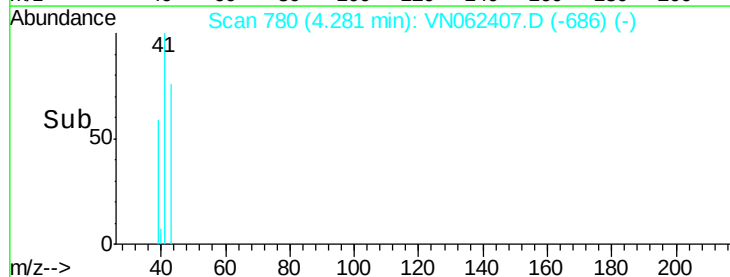
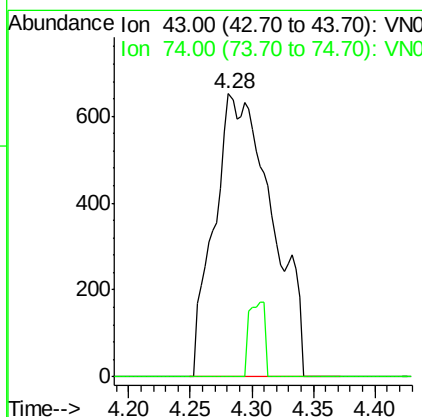
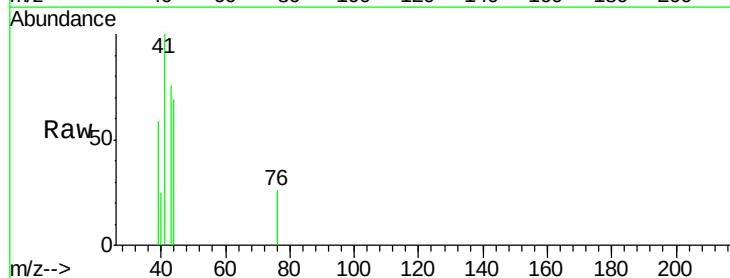
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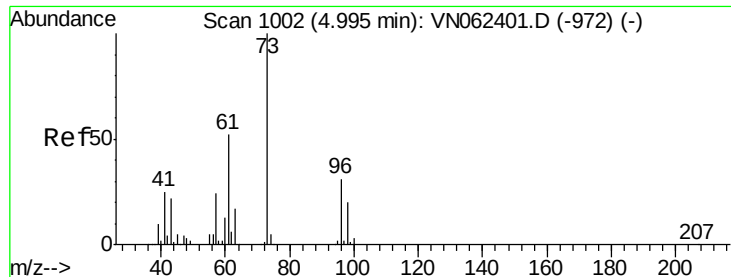
MMDadoda
7/9/2020 10:55:01 AM



#18
Methyl Acetate
Concen: 0.723 ug/l m
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
74 0.0 16.0 24.0#





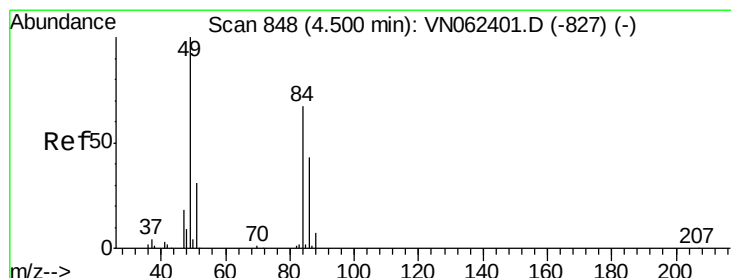
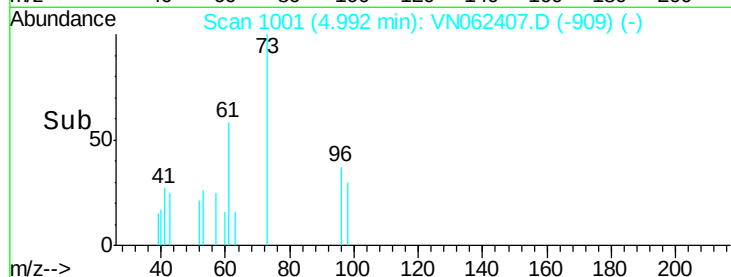
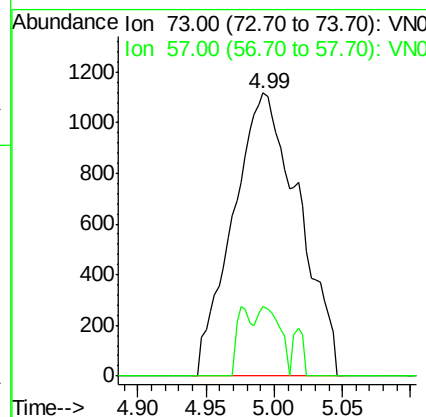
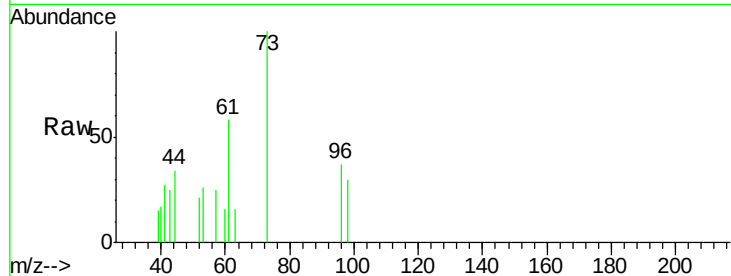
#19
Methvl tert-butyl Ether
Concen: 0.535 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion: 73 Resp: 3753
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.0

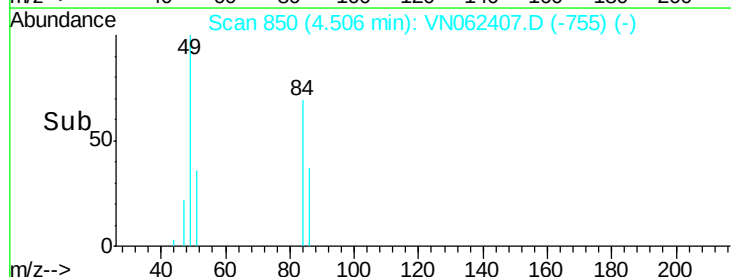
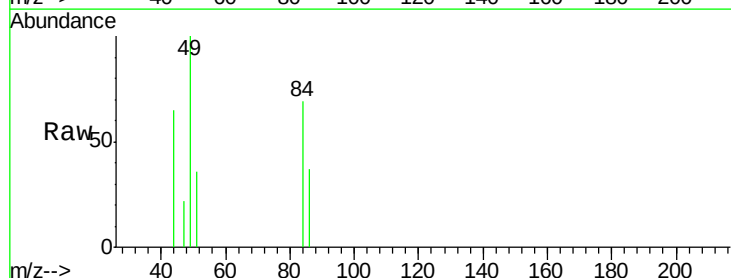
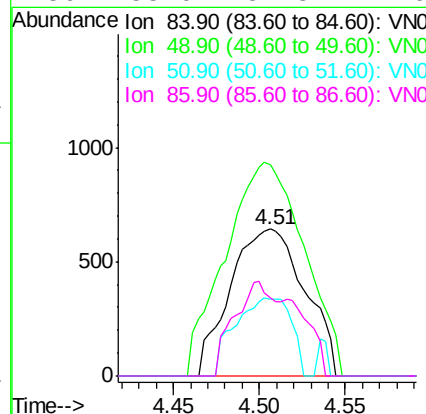
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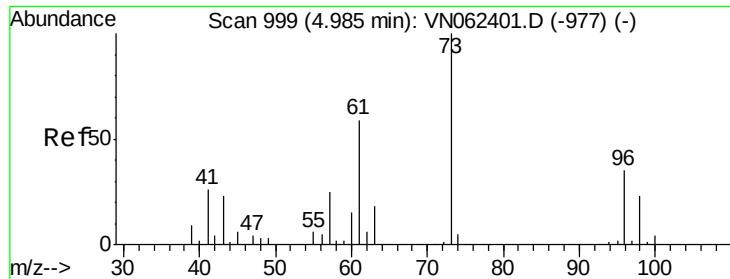
MMDadoda
7/9/2020 10:55:01 AM



#20
Methylene Chloride
Concen: 0.773 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion: 84 Resp: 1945
Ion Ratio Lower Upper
84 100
49 144.2 120.0 180.0
51 52.0 37.0 55.6
86 53.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.644 ug/l m

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

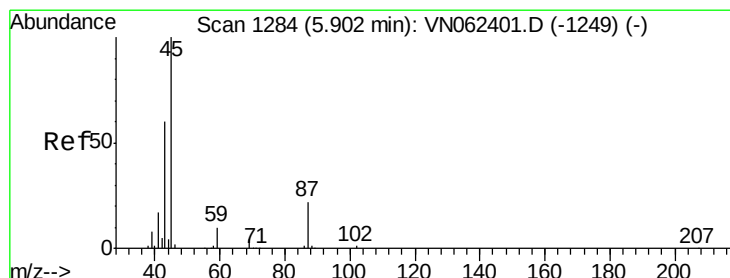
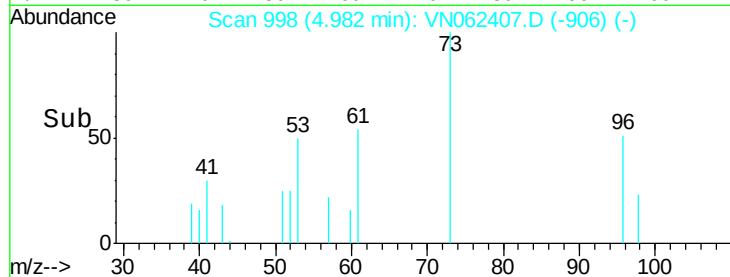
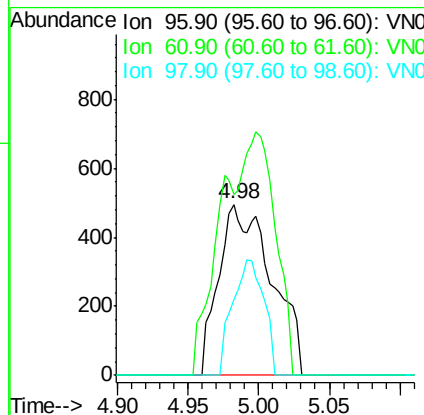
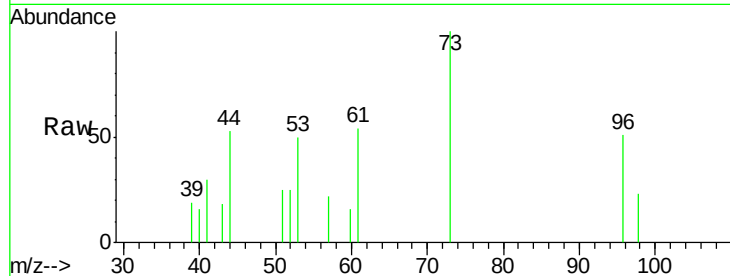
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	96	Resp:	1291
Ion	Ratio	Lower	Upper
96	100		
61	106.1	133.5	200.3#
98	44.4	51.9	77.9#

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7/9/2020 10:55:01 AM



#22

Diisopropyl ether

Concen: 0.543 ug/l

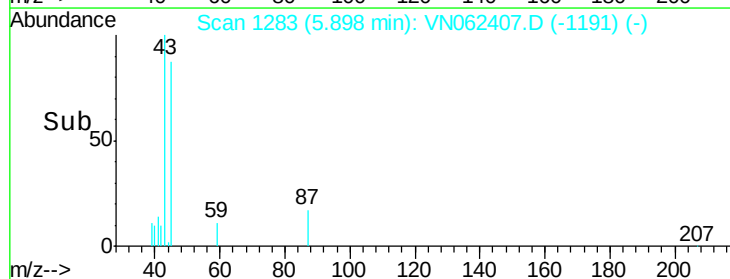
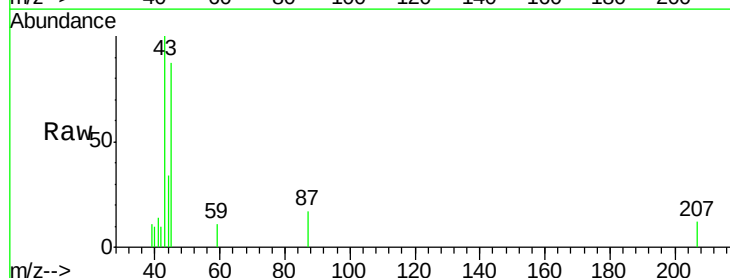
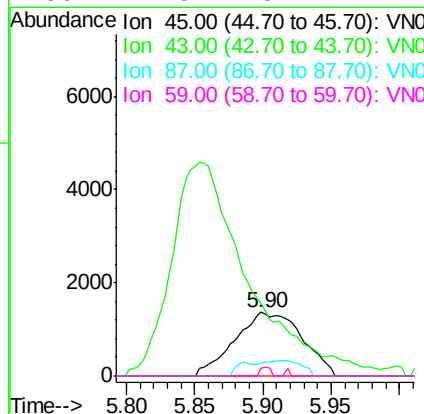
RT: 5.90 min Scan# 1283

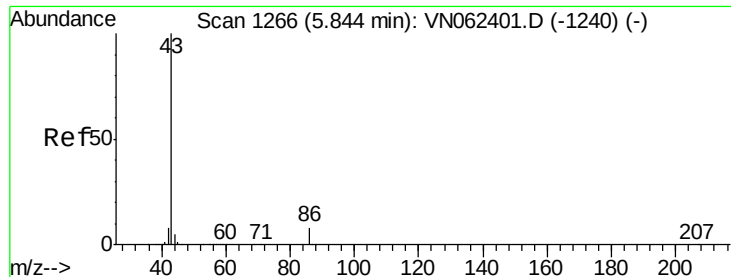
Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	45	Resp:	4667
Ion	Ratio	Lower	Upper
45	100		
43	87.2	50.1	75.1#
87	19.3	18.2	27.4
59	12.5	8.2	12.2#





#23

Vinyl Acetate

Concen: 2.536 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 18054

Ion Ratio Lower Upper

43 100

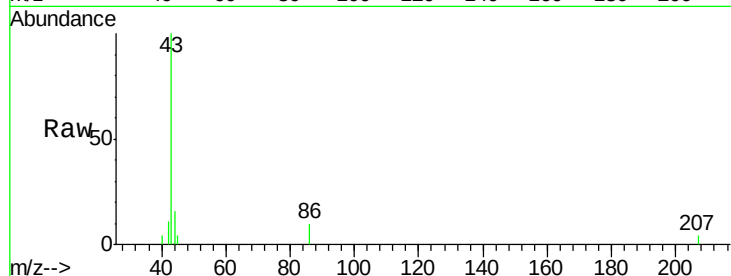
86 9.7 6.7 10.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1240) (-)

Ion 86.00 (85.70 to 86.70): VN062401.D (-1240) (-)

5.85

5000

4000

3000

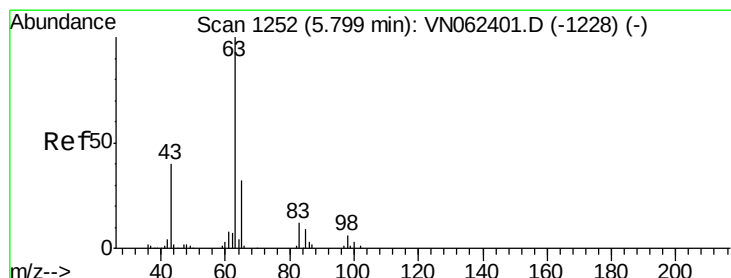
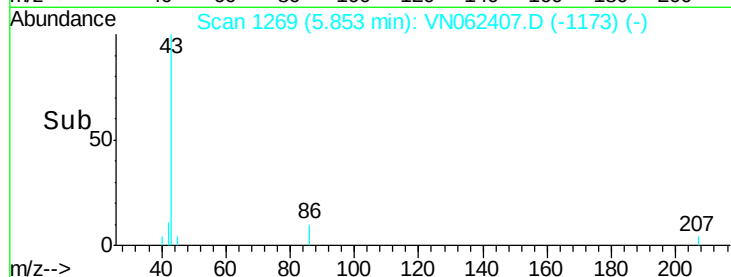
2000

1000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 0.523 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

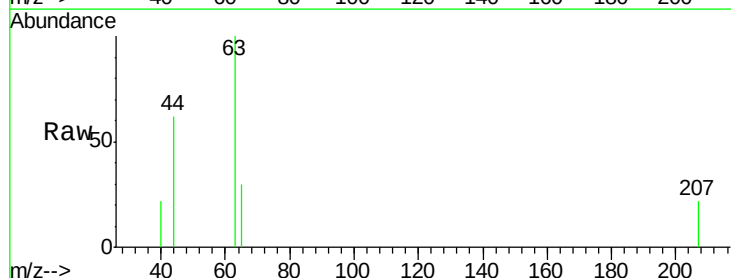
Tgt Ion: 63 Resp: 2321

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN062401.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062401.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062401.D (-1228) (-)

1000

800

600

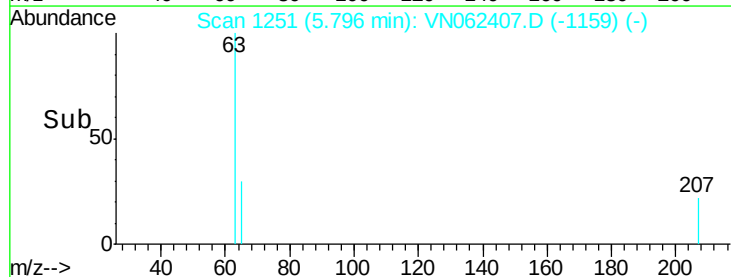
400

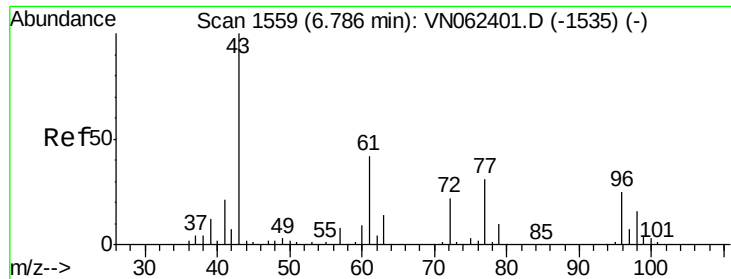
200

0

5.75 5.80 5.85

Time-->





#25

2-Butanone

Concen: 2.756 ug/l m

RT: 6.81 min Scan# 1565

Delta R.T. 0.02 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 4735

Ion Ratio Lower Upper

43 100

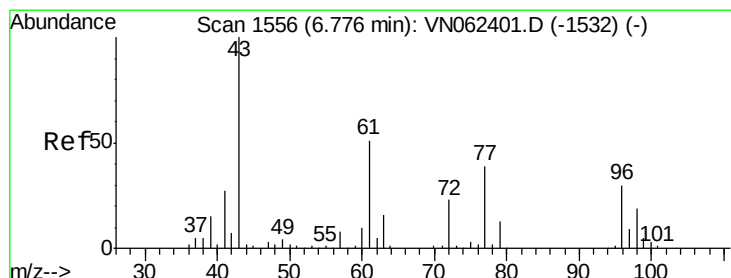
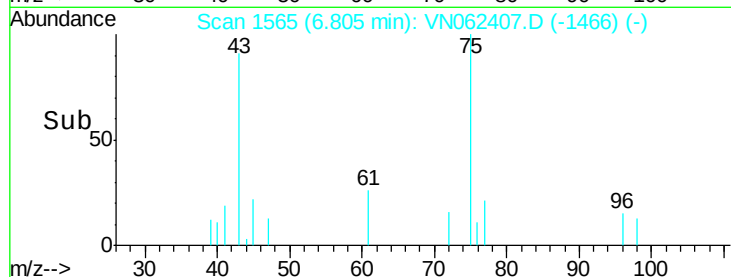
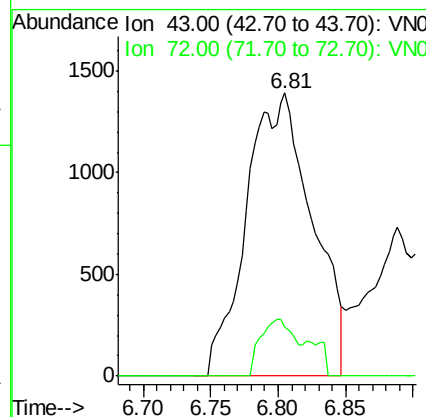
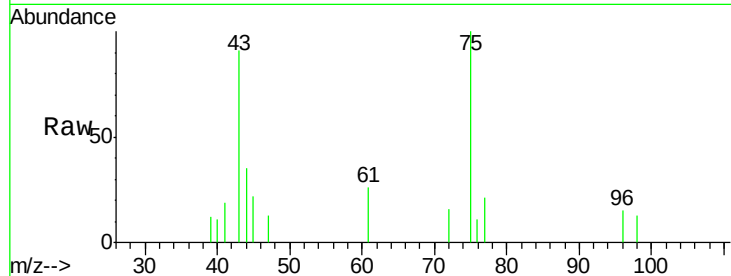
72 17.5 17.9 26.9#

Manual Integrations

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MMDadoda

7/9/2020 10:55:01 AM



#26

2,2-Dichloropropane

Concen: 0.581 ug/l m

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062407.D

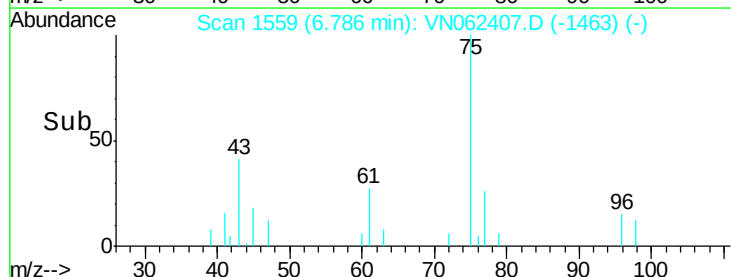
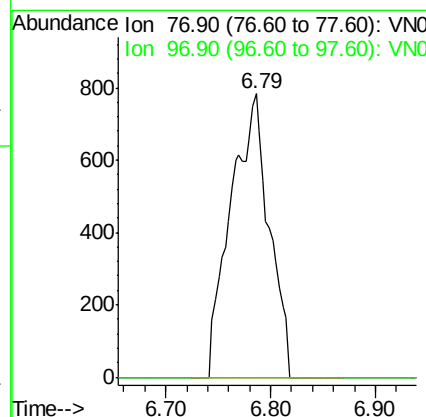
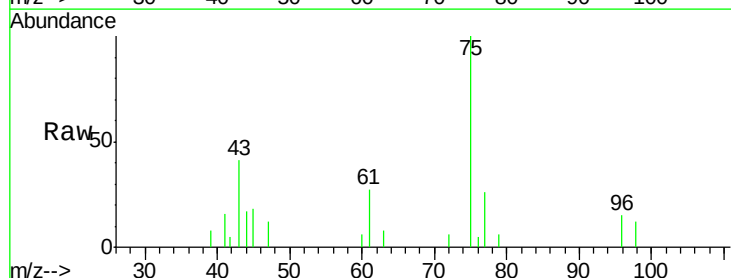
Acq: 8 Jul 2020 15:01

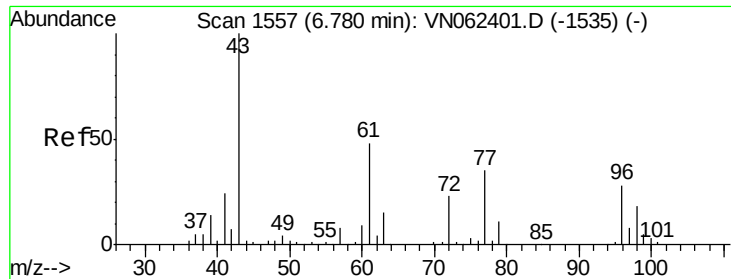
Tgt Ion: 77 Resp: 1979

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.458 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

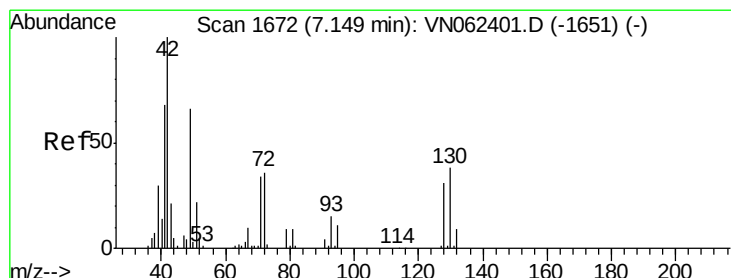
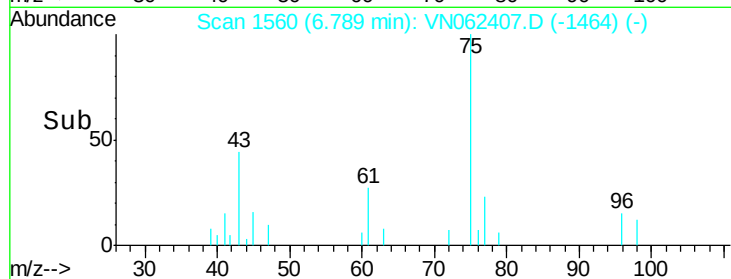
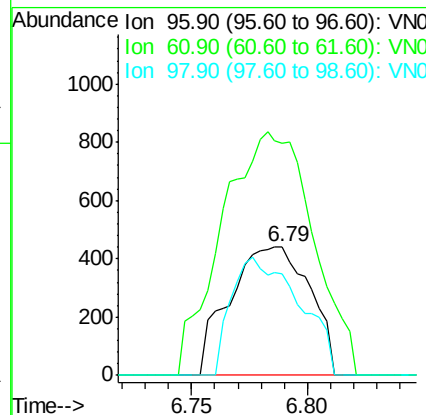
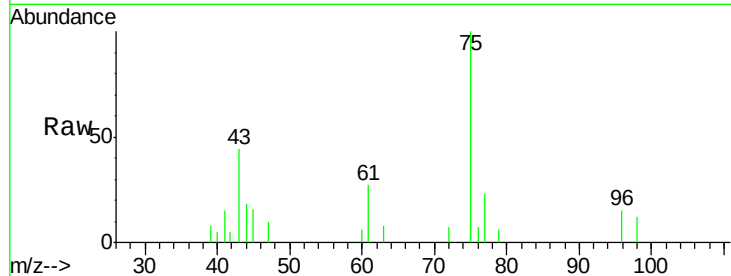
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	96	Resp:	1063
Ion	Ratio	Lower	Upper
96	100		
61	214.4	0.0	343.4
98	77.7	0.0	128.4

Manual Integrations
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MMDadoda
7/9/2020 10:55:01 AM



#28

Bromochloromethane

Concen: 0.474 ug/l

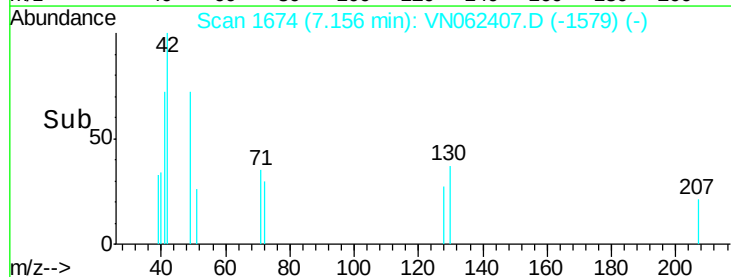
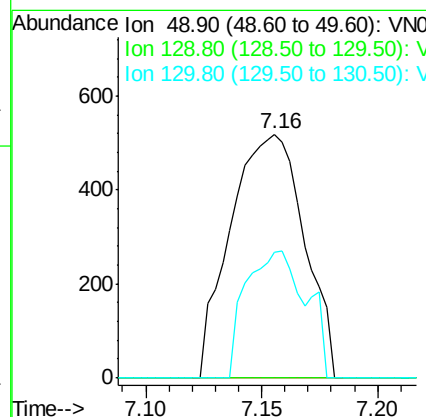
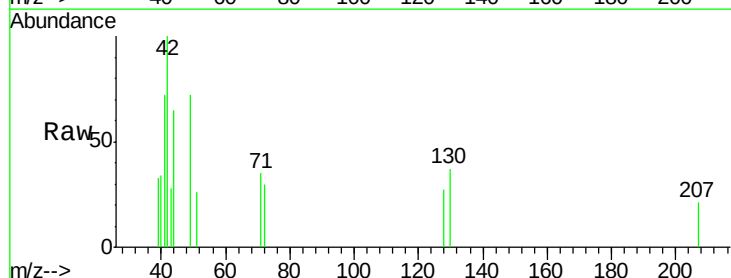
RT: 7.16 min Scan# 1674

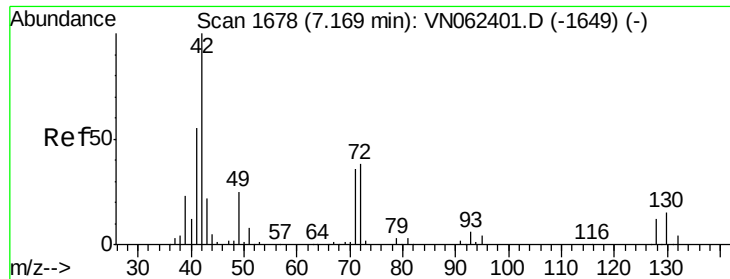
Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	49	Resp:	1144
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	42.6	46.5	69.7#





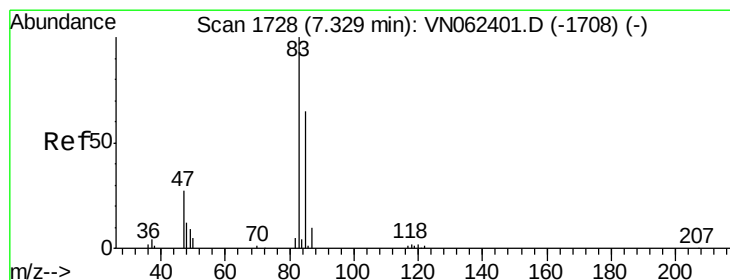
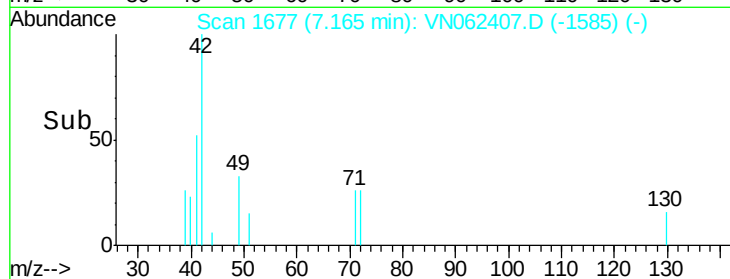
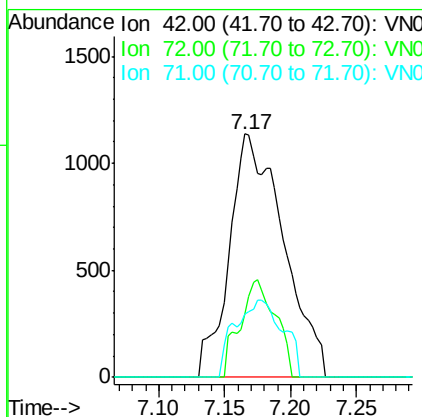
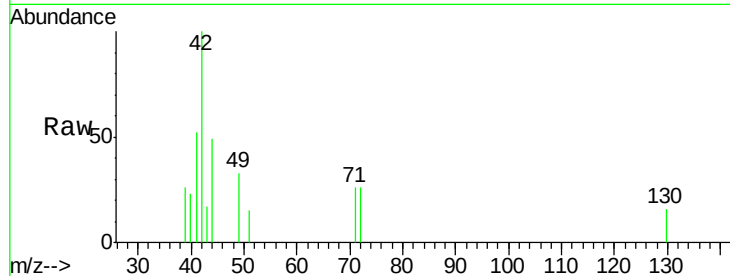
#29
Tetrahydrofuran
Concen: 2.813 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	26.2	29.1	43.7#
71	28.0	28.1	42.1#

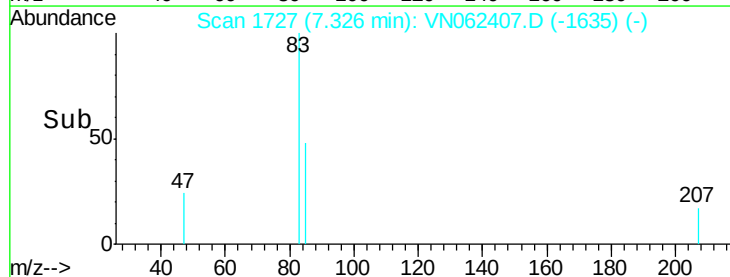
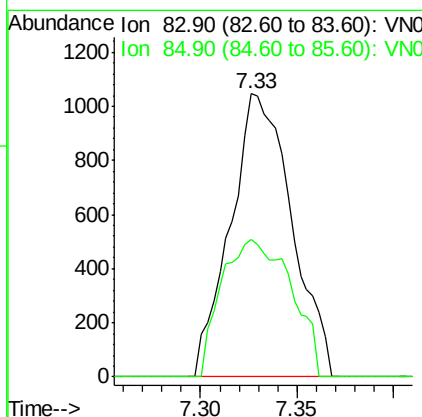
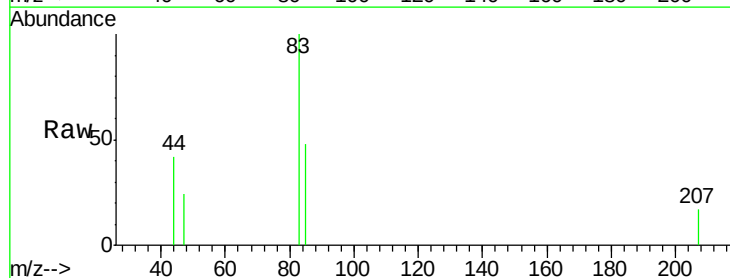
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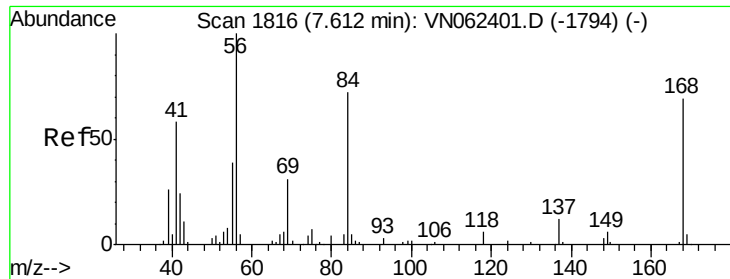
MMDadoda
7/9/2020 10:55:01 AM



#30
Chloroform
Concen: 0.576 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	48.4	51.8	77.6#





#31

Cyclohexane

Concen: 1.627 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

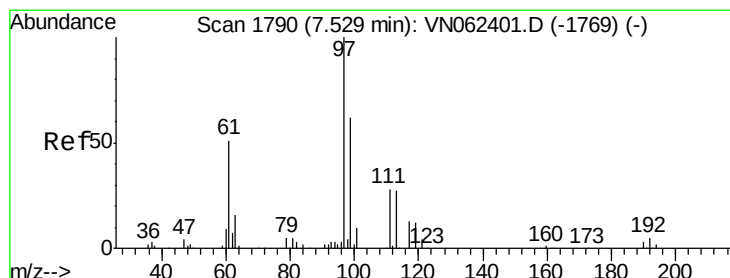
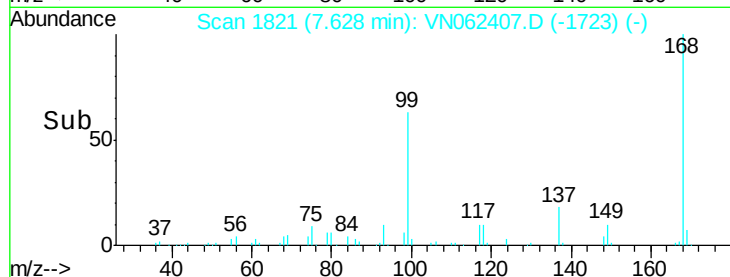
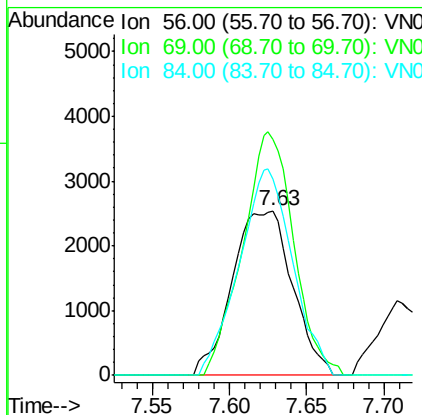
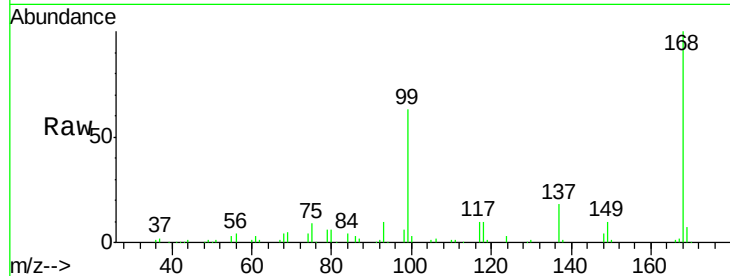
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	56	Resp:	6847
Ion	Ratio	Lower	Upper
56	100		
69	143.0	24.5	36.7#
84	119.5	57.4	86.2#

Manual Integrations
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7/9/2020 10:55:01 AM



#32

1,1,1-Trichloroethane

Concen: 0.492 ug/l

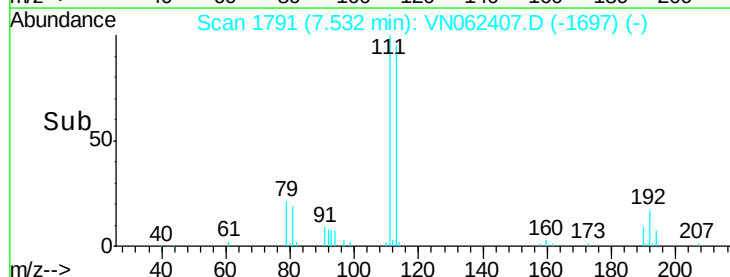
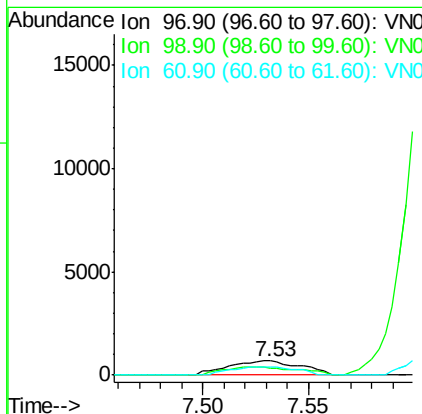
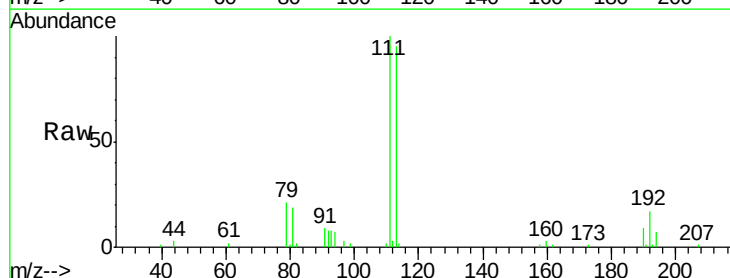
RT: 7.53 min Scan# 1791

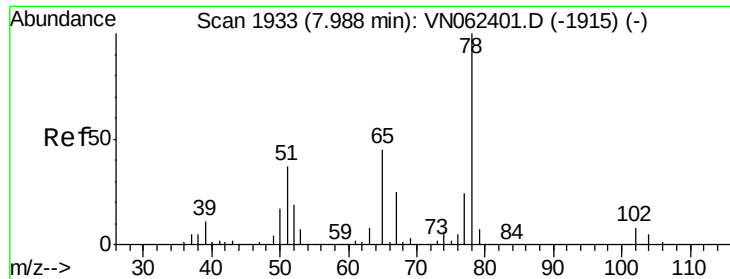
Delta R.T. 0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	97	Resp:	1639
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	54.1	39.9	59.9





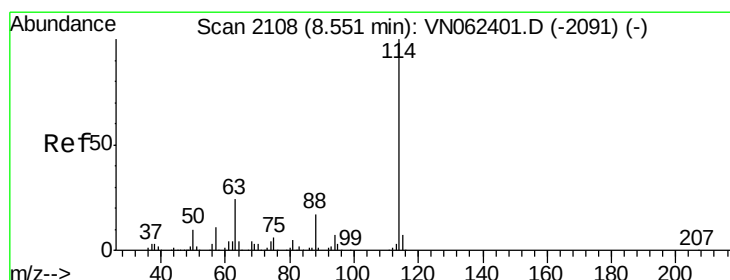
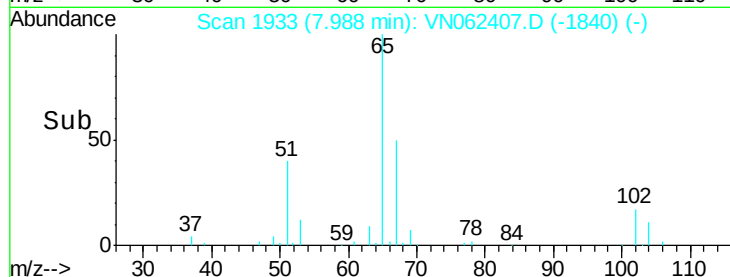
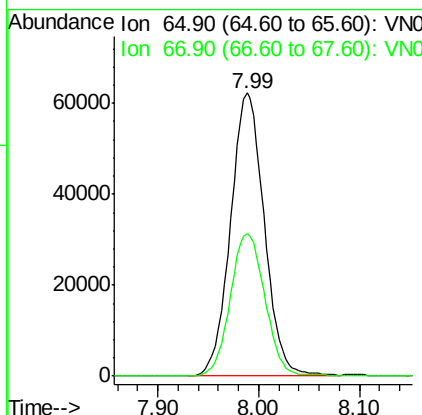
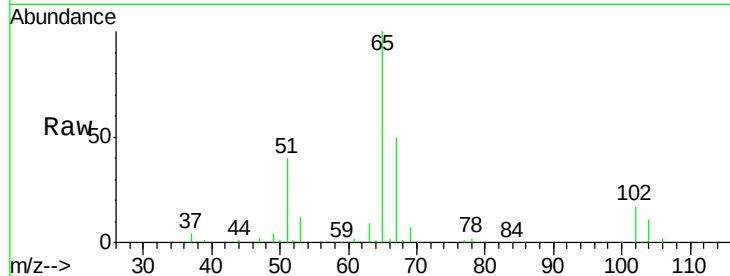
#33
 1,2-Dichloroethane-d4
 Concen: 52.165 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144556		
67	51.9	0.0	107.6	

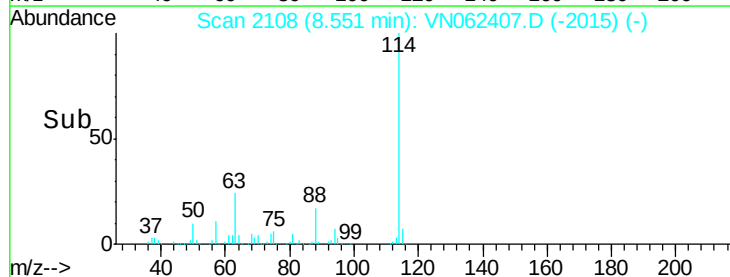
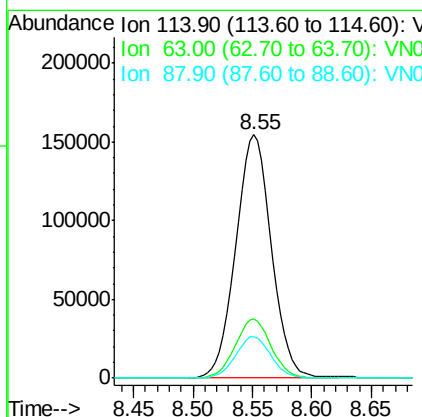
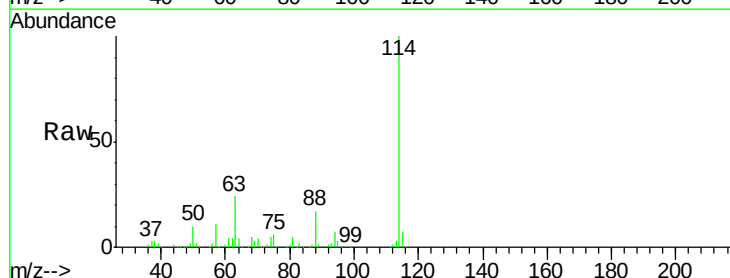
Manual Integrations
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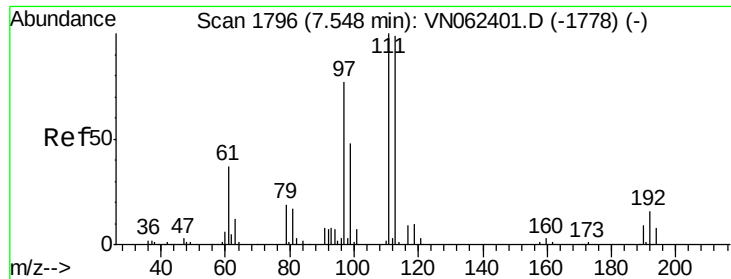
MMDadoda
 7/9/2020 10:55:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320703		
63	24.3	0.0	48.4	
88	17.1	0.0	33.8	





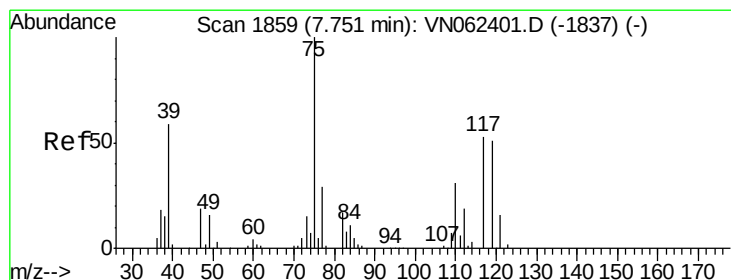
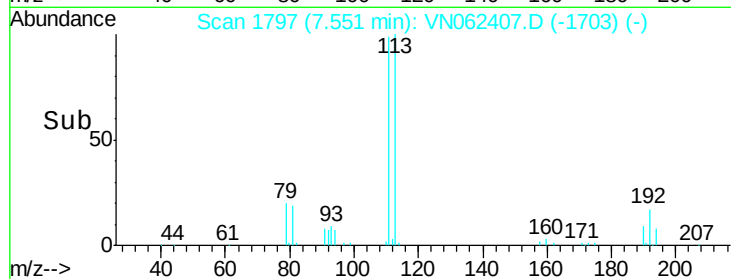
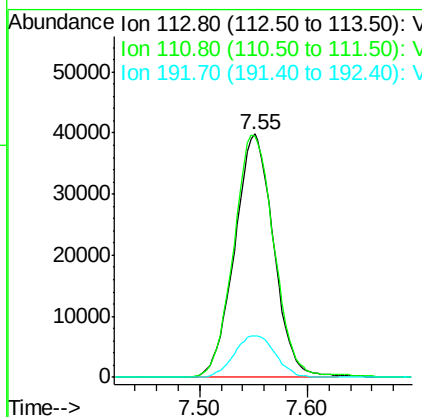
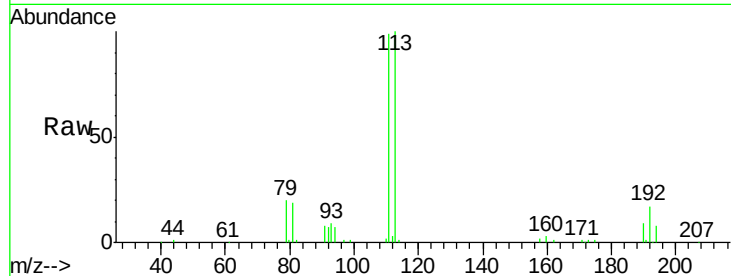
#35
 Dibromofluoromethane
 Concen: 50.389 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	99891		
111	103.3		83.1	124.7
192	18.1		14.1	21.1

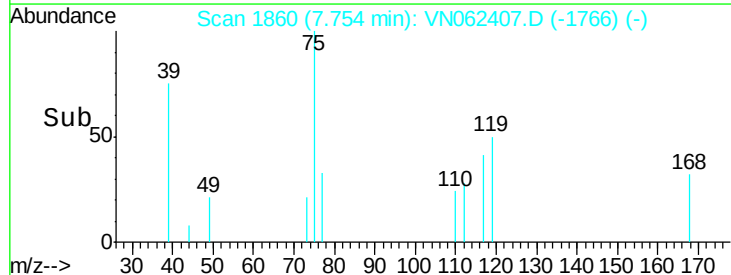
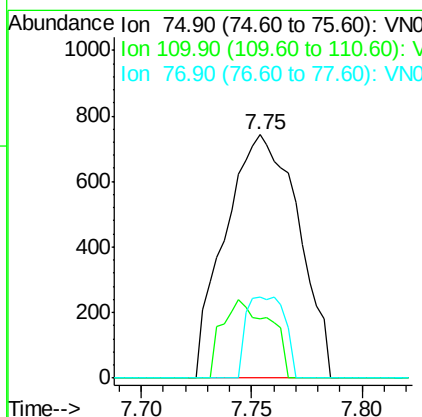
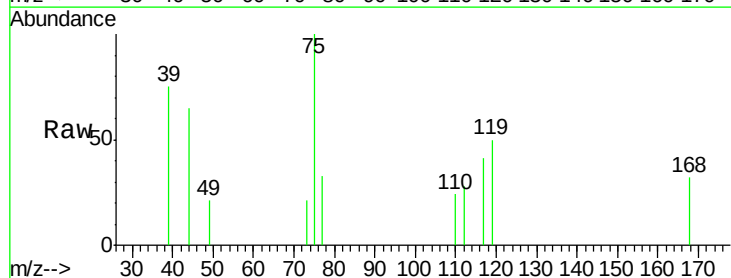
Manual Integrations
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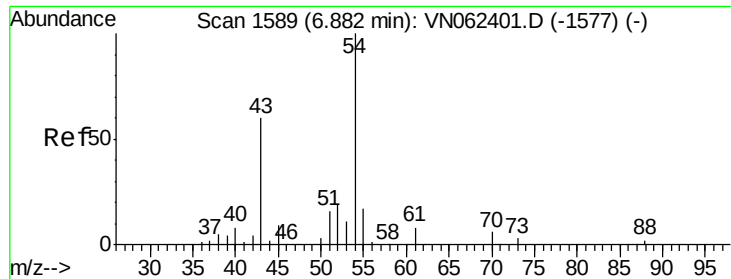
MMDadoda
 7/9/2020 10:55:01 AM



#36
 1,1-Dichloropropene
 Concen: 0.527 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1702		
110	21.0		15.4	46.2
77	17.6		24.1	36.1#





#37

Ethyl Acetate

Concen: 0.656 ug/l m

RT: 6.89 min Scan# 1591

Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

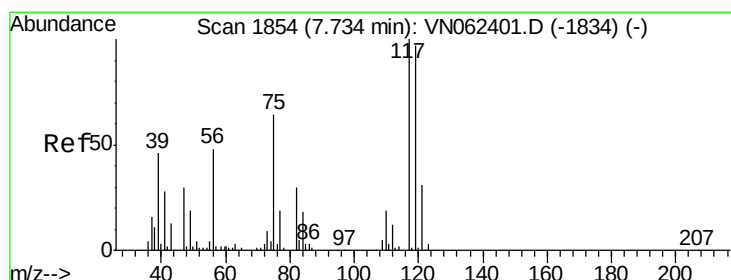
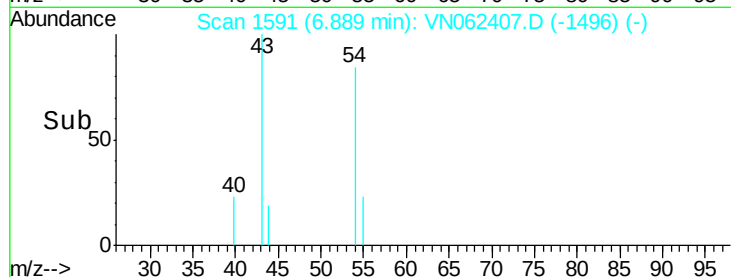
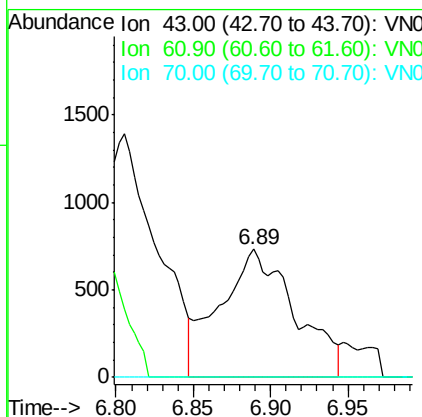
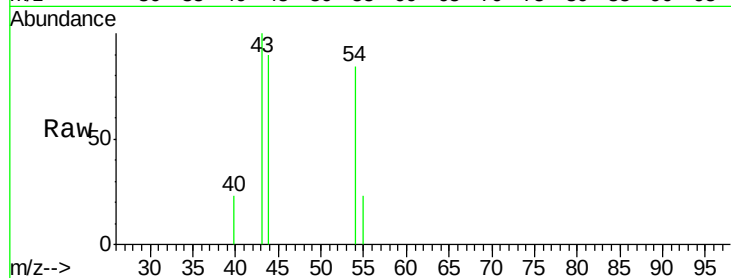
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	43	Resp:	2479
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.2	10.8#

Manual Integrations
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MMDadoda
7/9/2020 10:55:01 AM



#38

Carbon Tetrachloride

Concen: 0.516 ug/l

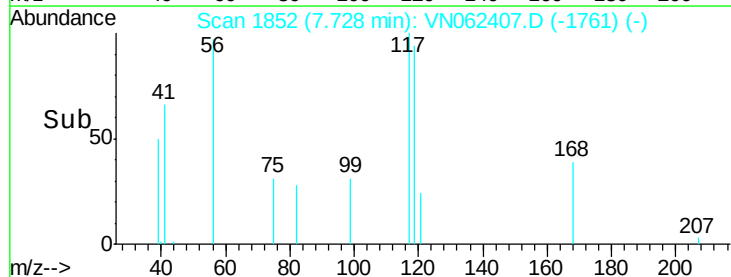
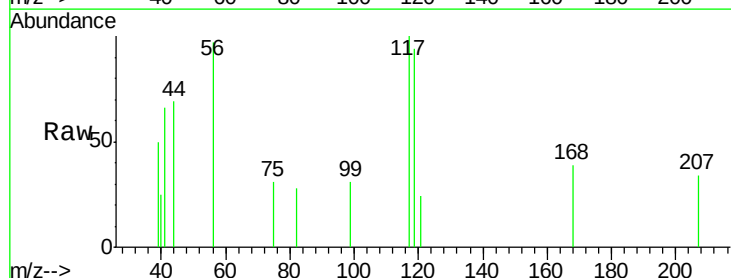
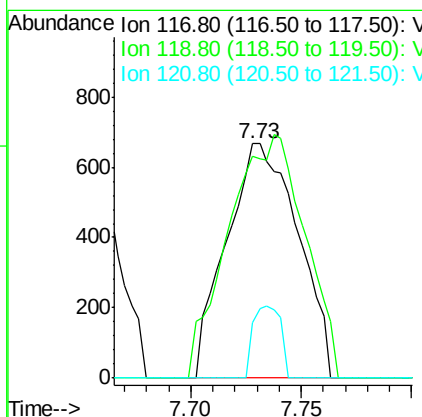
RT: 7.73 min Scan# 1852

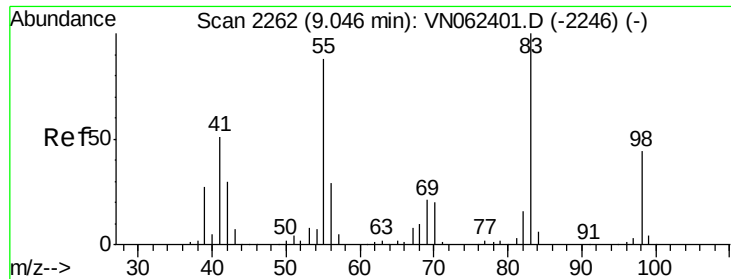
Delta R.T. -0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	117	Resp:	1500
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.2	115.8
121	23.8	24.8	37.2#





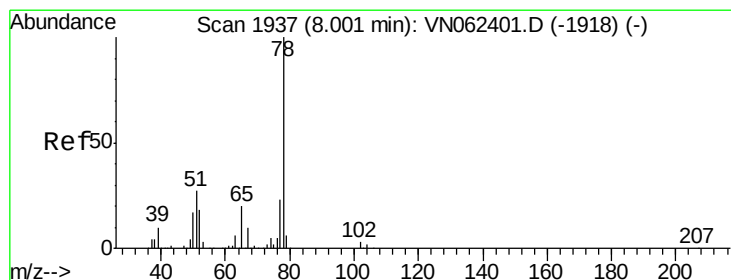
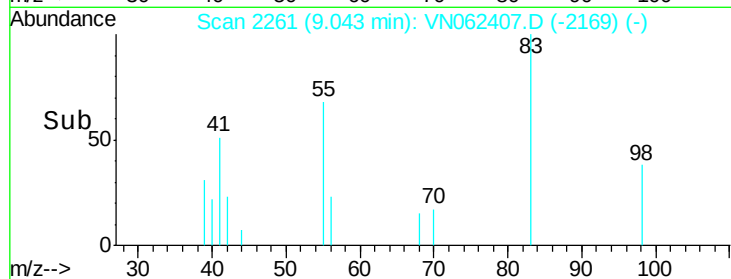
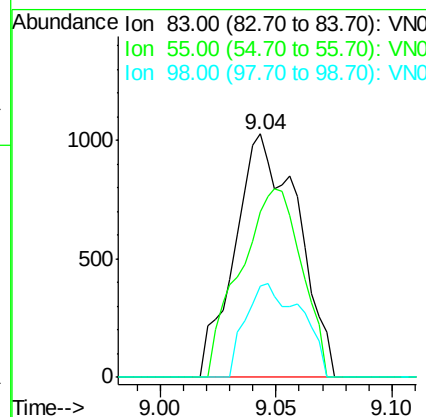
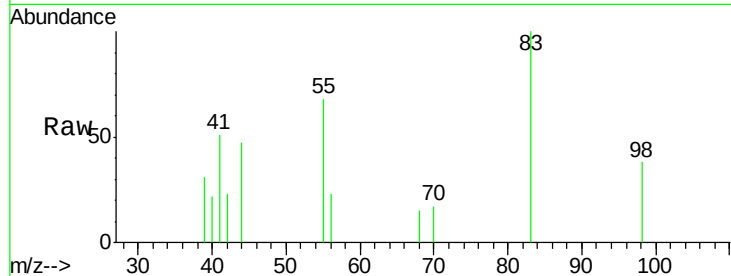
#39
Methylvlcyclohexane
Concen: 0.561 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	70.5	105.7#
98	37.7	35.5	53.3

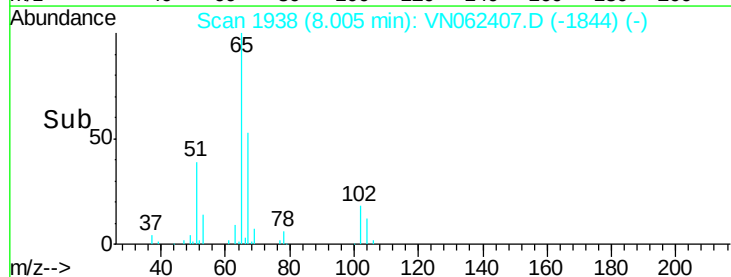
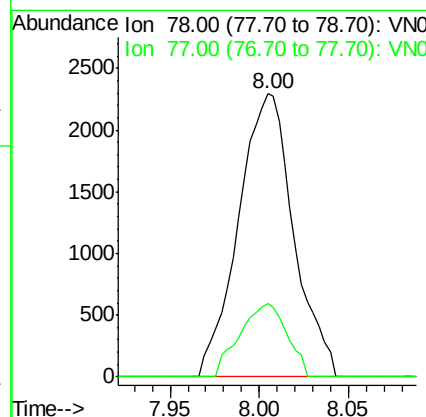
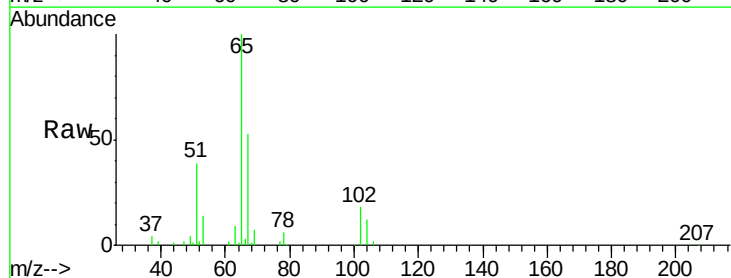
Manual Integrations
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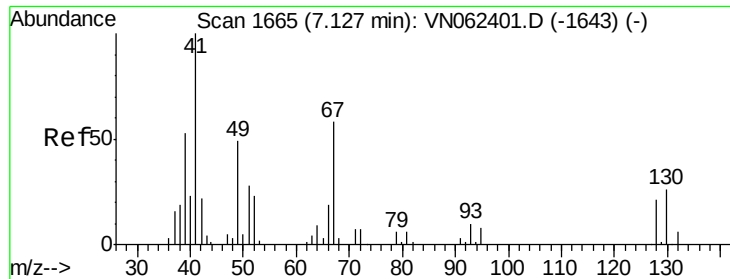
MMDadoda
7/9/2020 10:55:01 AM



#40
Benzene
Concen: 0.519 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.7	28.1





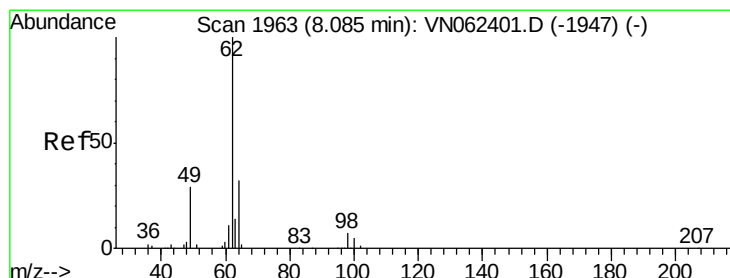
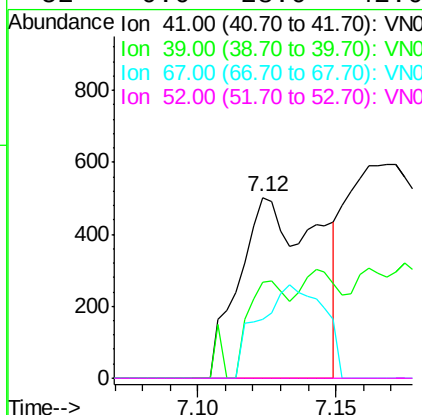
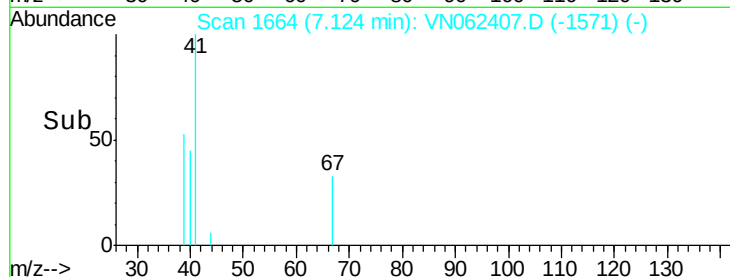
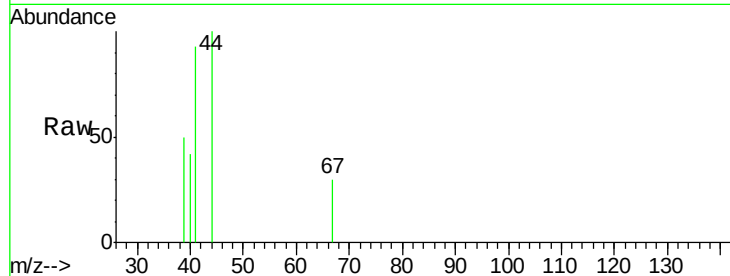
#41
Methacrylonitrile
Concen: 0.632 ug/l m
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion:	41	Resp:	998
Ion	Ratio	Lower	Upper
41	100		
39	26.7	50.2	75.2#
67	0.0	64.2	96.2#
52	0.0	28.0	42.0#

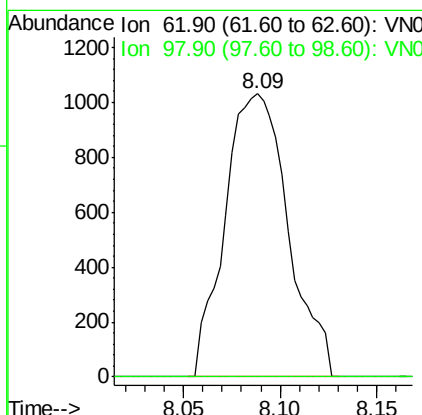
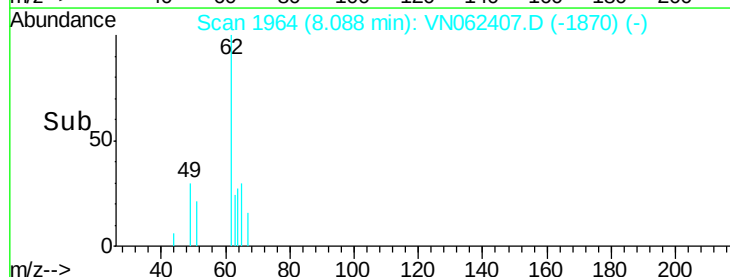
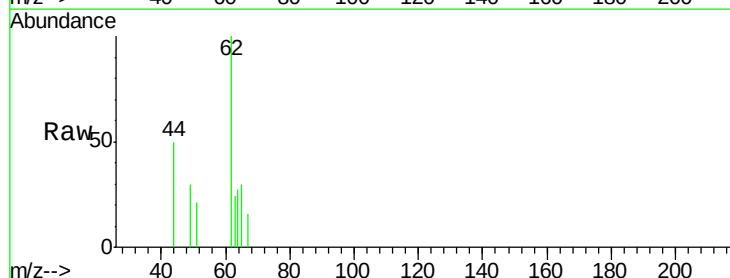
Manual Integrations
APPROVED

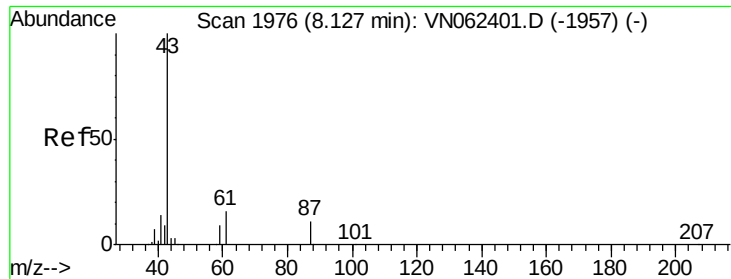
MMDadoda
7/9/2020 10:55:01 AM



#42
1,2-Dichloroethane
Concen: 0.673 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion:	62	Resp:	2346
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8





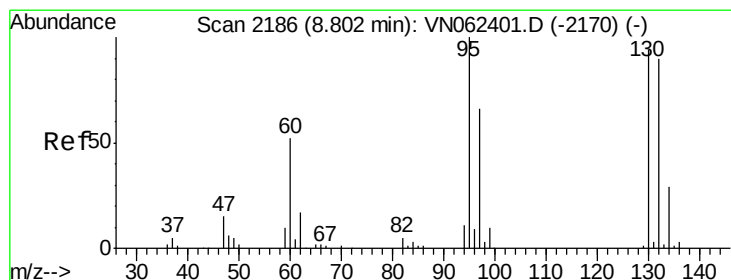
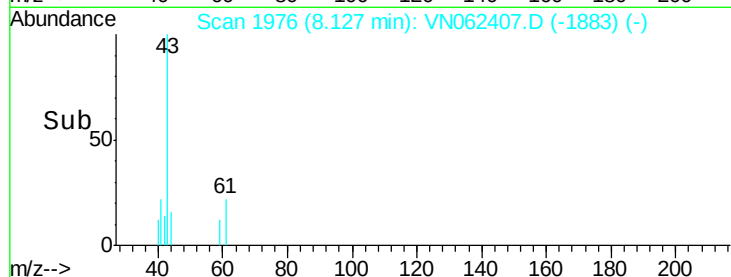
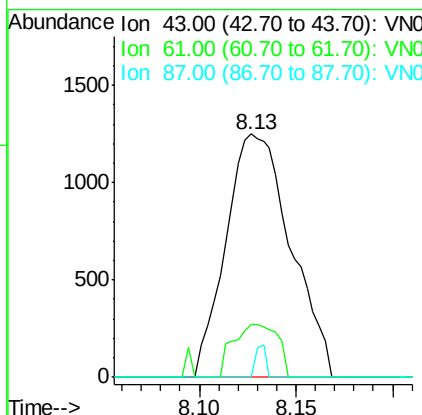
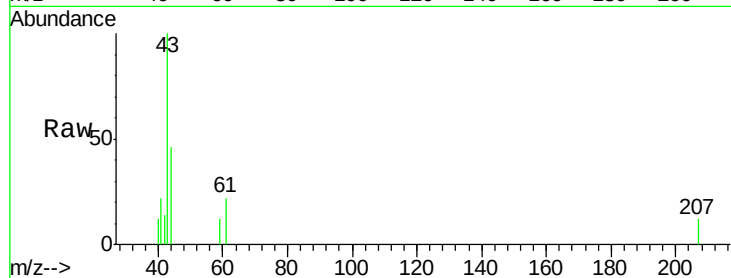
#43
Isopropyl Acetate
Concen: 0.488 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	19.3	28.9#
87	2.1	8.6	13.0#

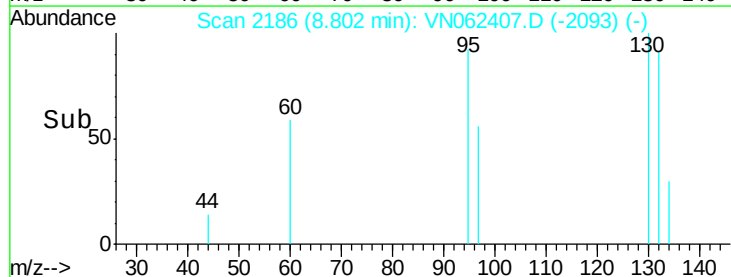
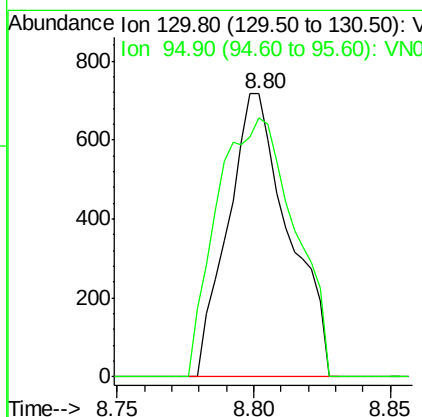
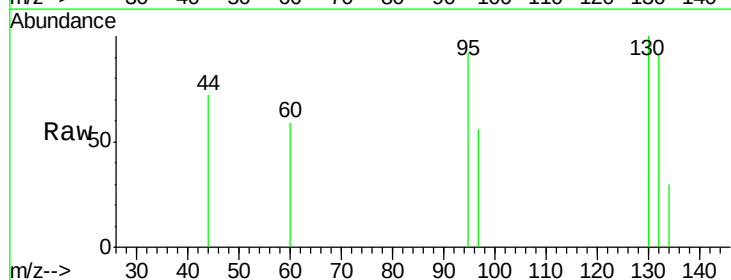
Manual Integrations
APPROVED

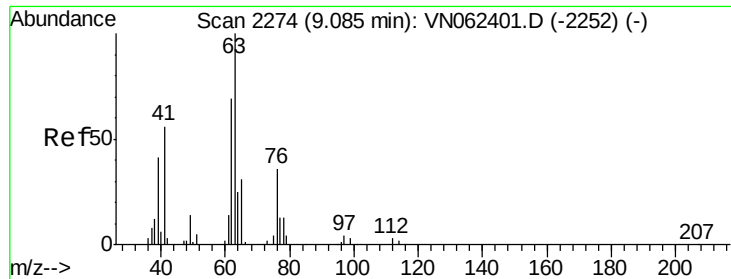
MMDadoda
7/9/2020 10:55:01 AM



#44
Trichloroethene
Concen: 0.524 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	213.8





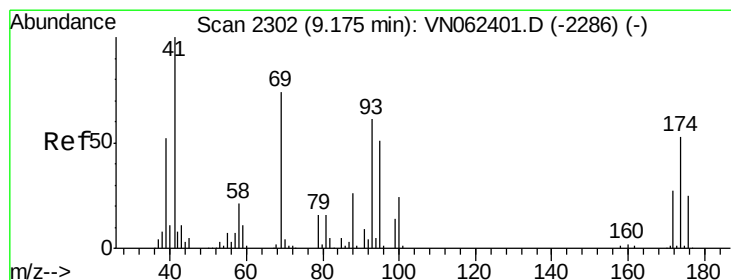
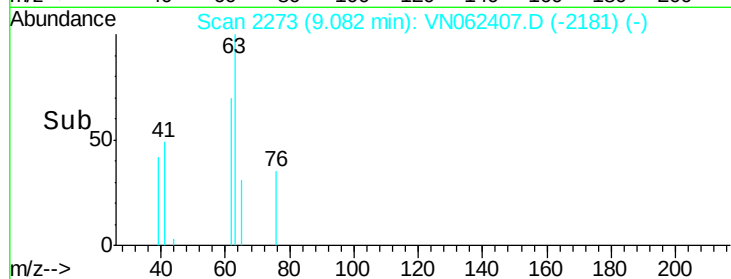
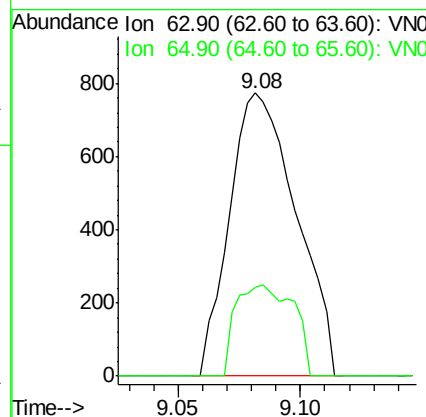
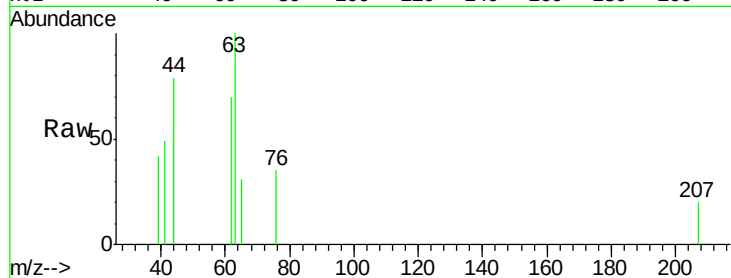
#45
 1,2-Dichloropropane
 Concen: 0.531 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion: 63 Resp: 1468
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8

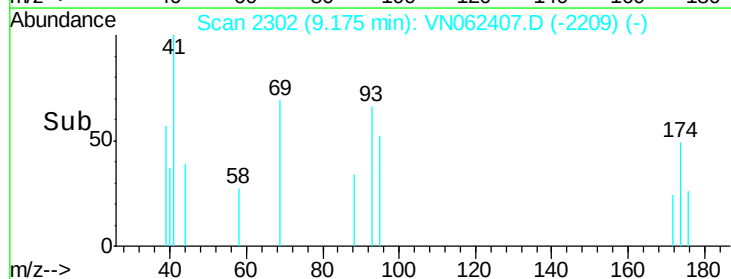
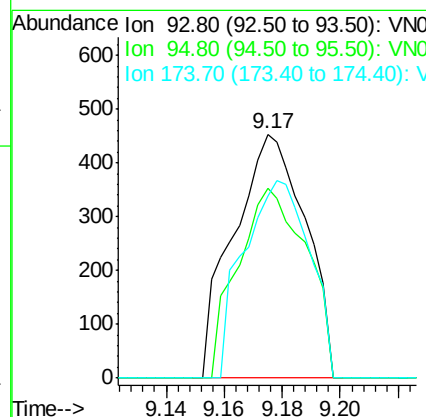
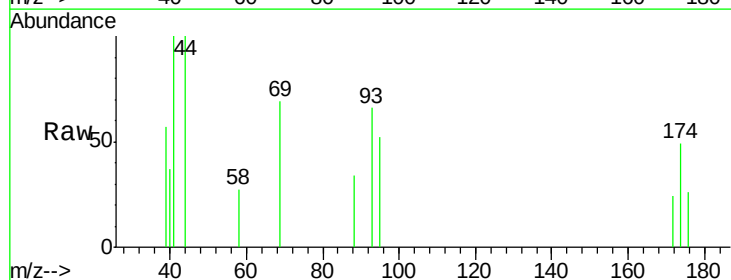
Manual Integrations
 APPROVED

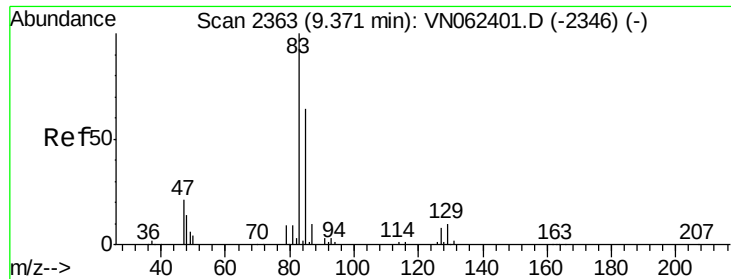
MMDadoda
 7/9/2020 10:55:01 AM



#46
 Dibromomethane
 Concen: 0.499 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion: 93 Resp: 778
 Ion Ratio Lower Upper
 93 100
 95 74.6 67.1 100.7
 174 74.2 70.4 105.6





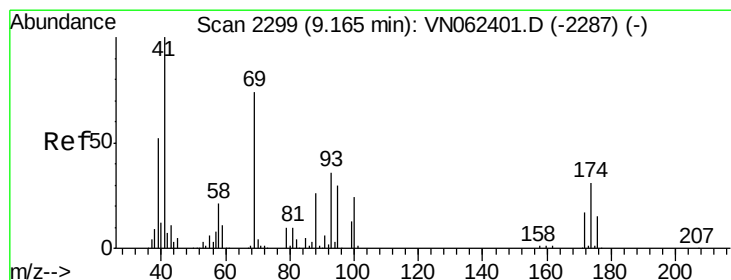
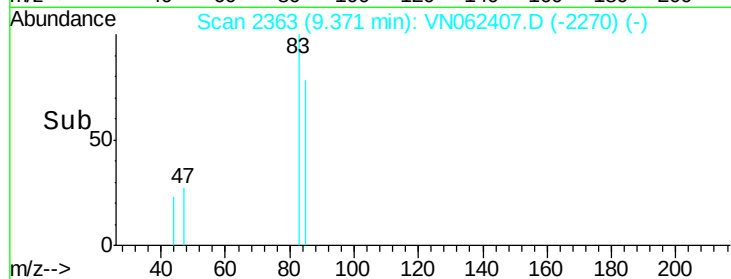
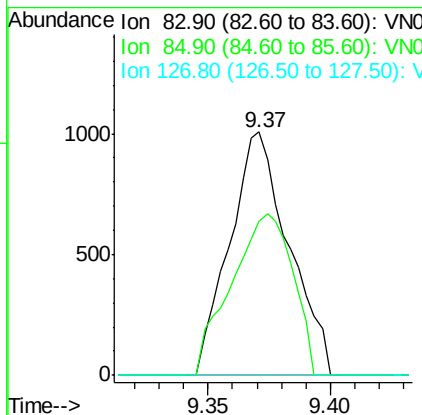
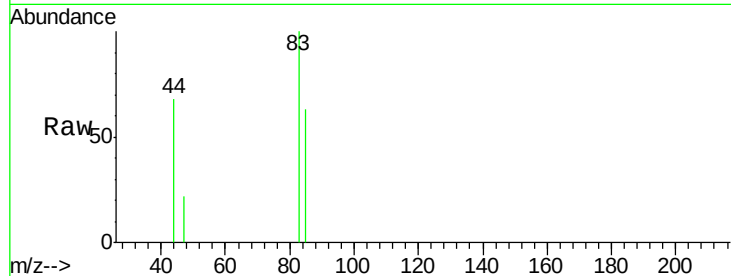
#47
Bromodichloromethane
Concen: 0.507 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	0.0	6.2	9.2#

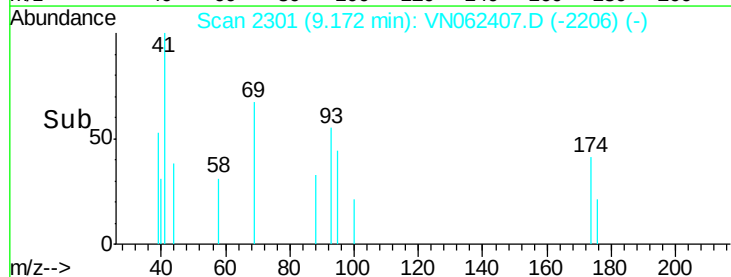
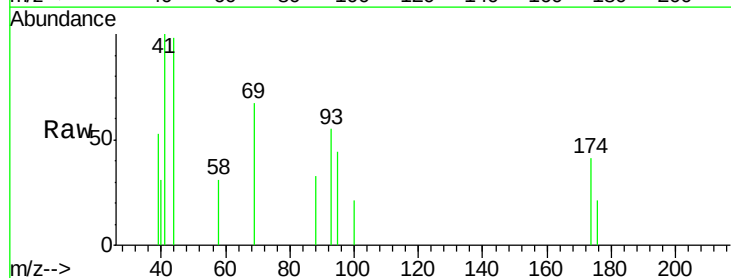
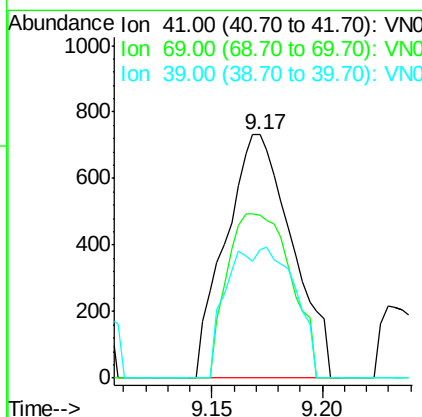
Manual Integrations
APPROVED

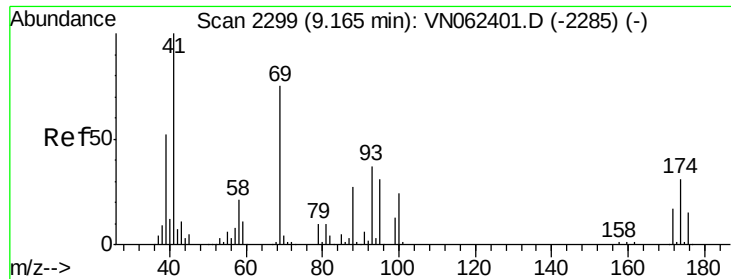
MMDadoda
7/9/2020 10:55:01 AM



#48
Methyl methacrylate
Concen: 0.522 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	64.4	60.8	91.2
39	54.6	43.5	65.3





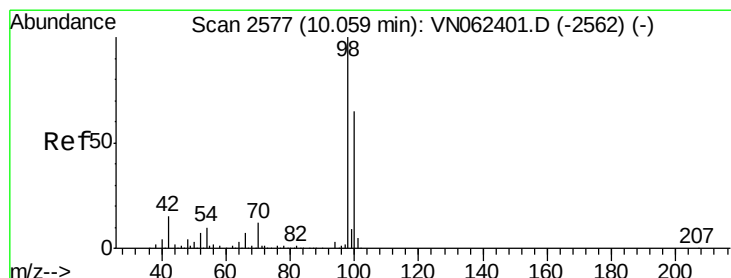
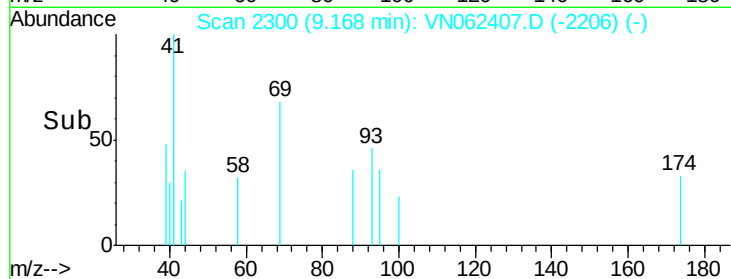
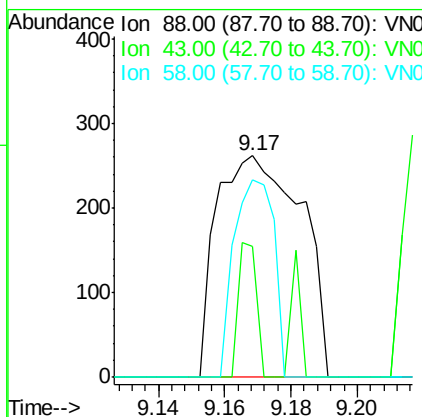
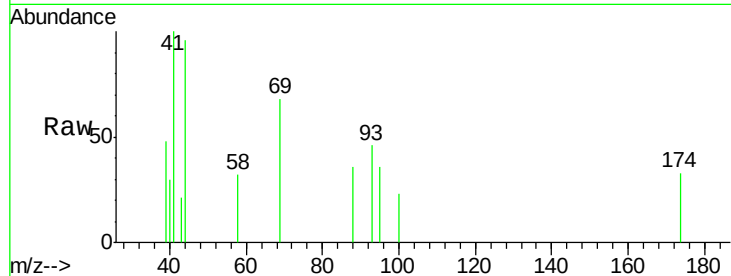
#49
1,4-Dioxane
Concen: 10.889 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.0	46.4#
58	42.0	63.3	94.9#

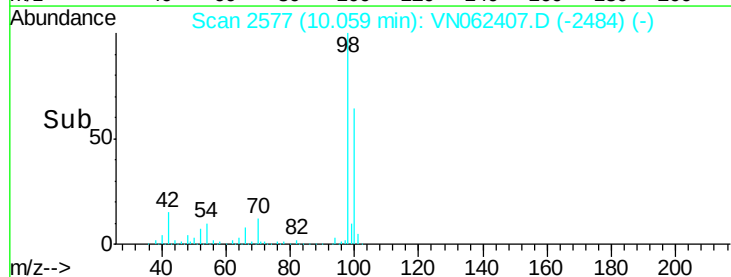
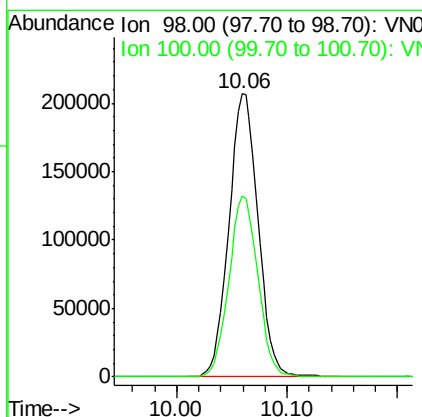
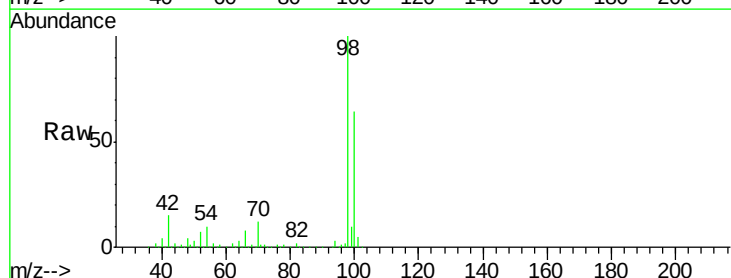
Manual Integrations
APPROVED

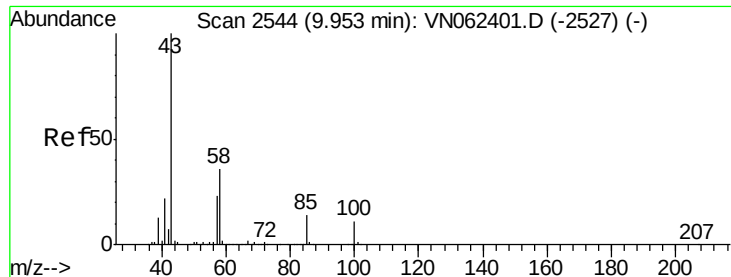
MMDadoda
7/9/2020 10:55:01 AM



#50
Toluene-d8
Concen: 48.496 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





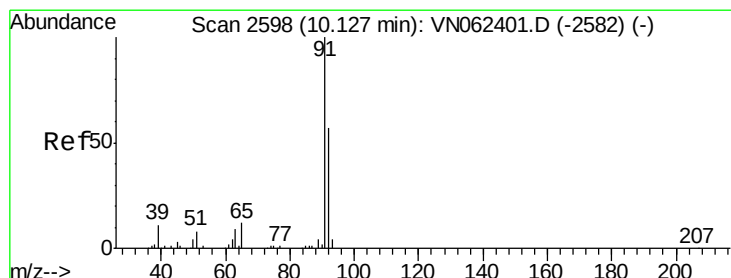
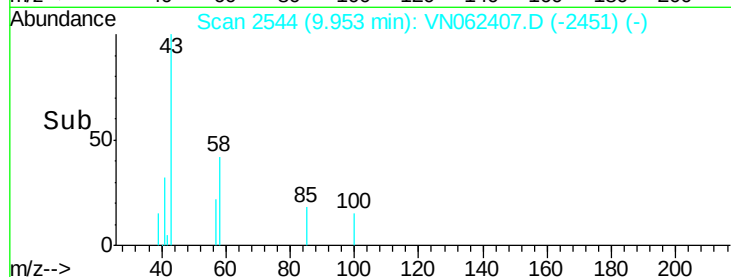
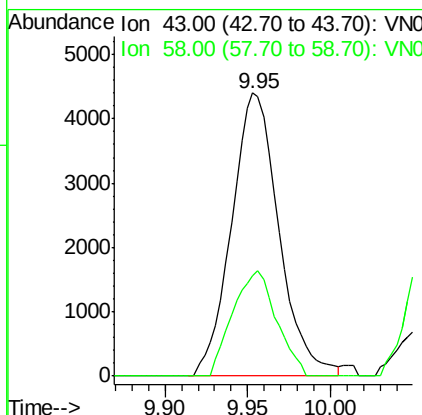
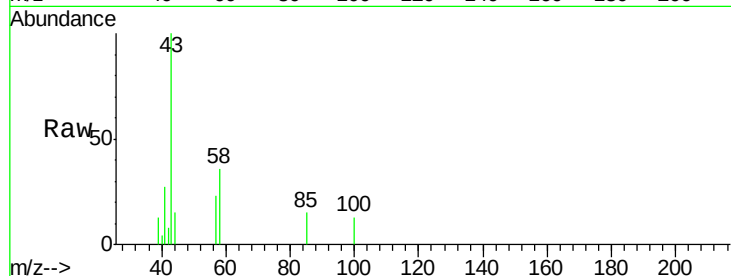
#51
 4-Methyl-2-Pentanone
 Concen: 2.459 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.2	29.0	43.6

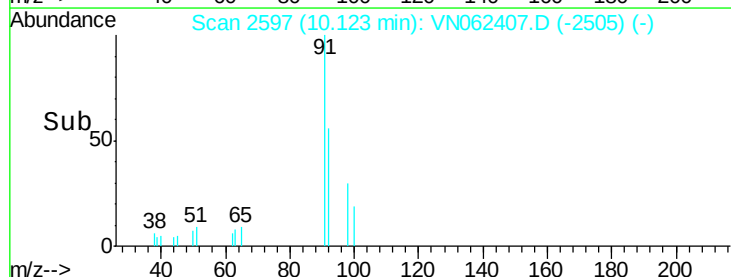
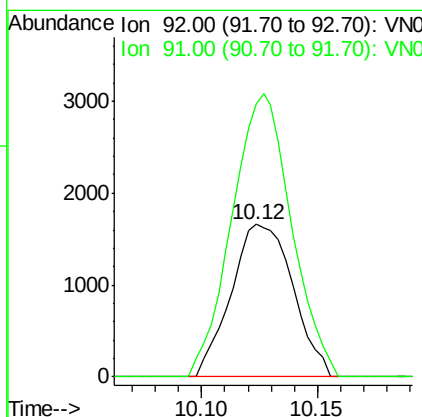
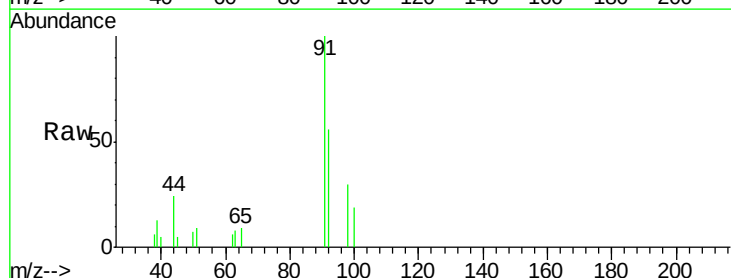
Manual Integrations
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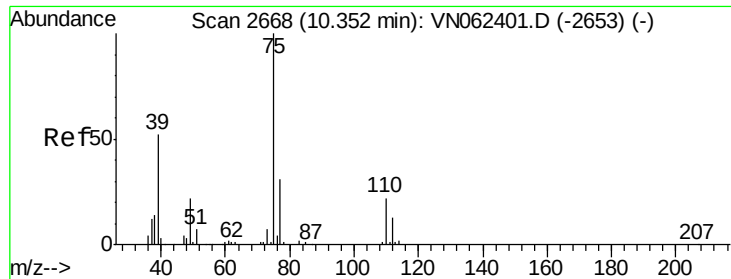
MMDadoda
 7/9/2020 10:55:01 AM



#52
 Toluene
 Concen: 0.560 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	178.4	141.0	211.6





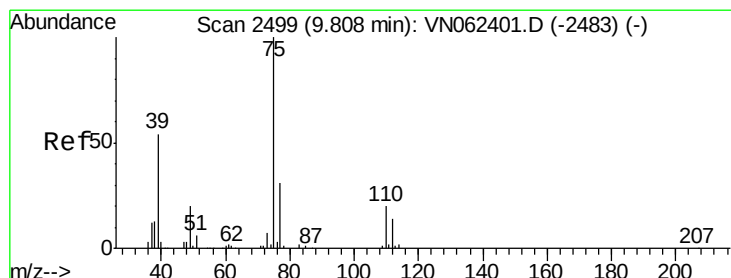
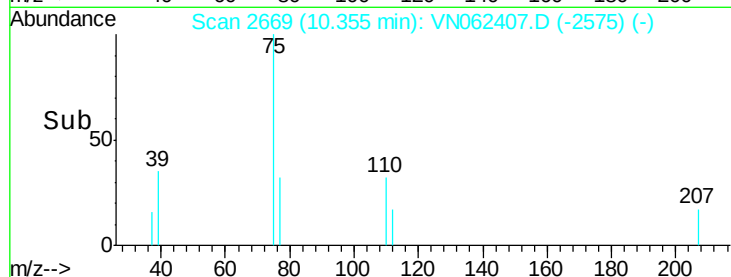
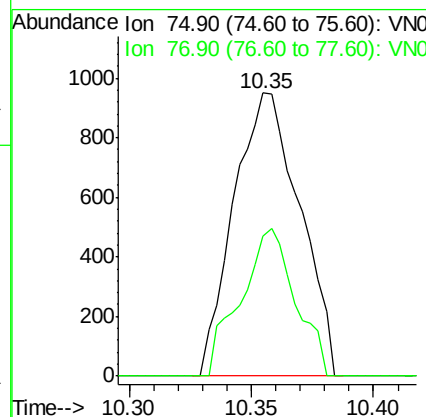
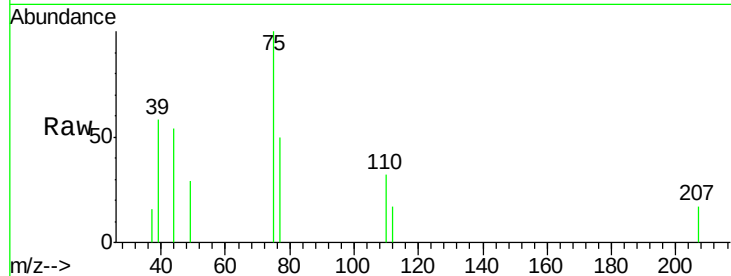
#53
t-1,3-Dichloropropene
Concen: 0.477 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion: 75 Resp: 1782
Ion Ratio Lower Upper
75 100
77 49.6 25.2 37.8#

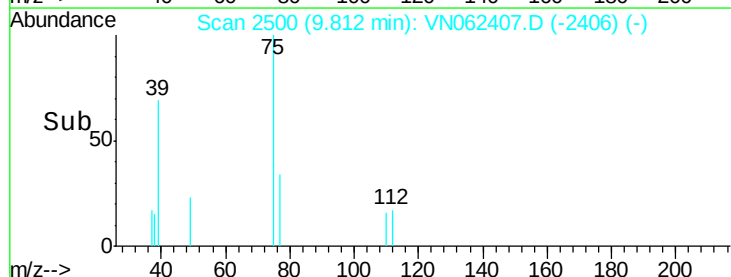
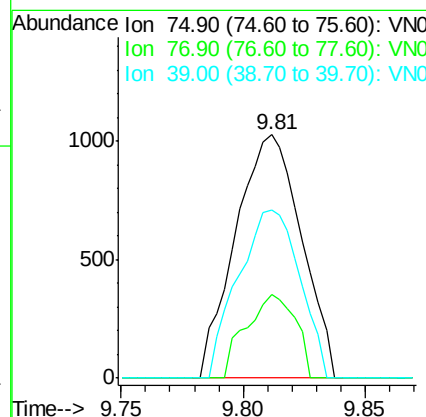
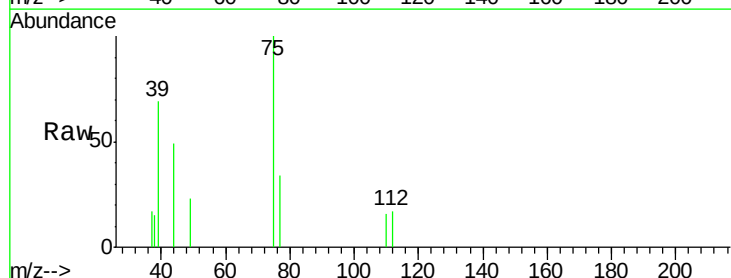
Manual Integrations
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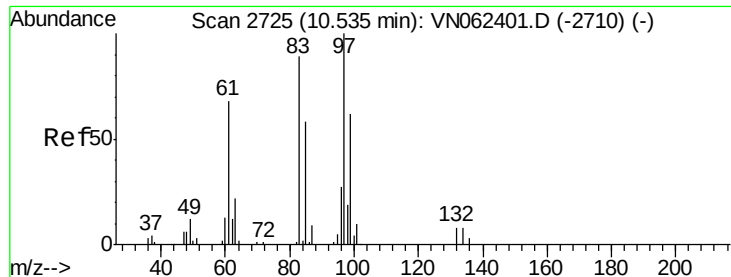
MMDadoda
7/9/2020 10:55:01 AM



#54
cis-1,3-Dichloropropene
Concen: 0.466 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion: 75 Resp: 1920
Ion Ratio Lower Upper
75 100
77 34.1 24.5 36.7
39 69.0 43.4 65.0#





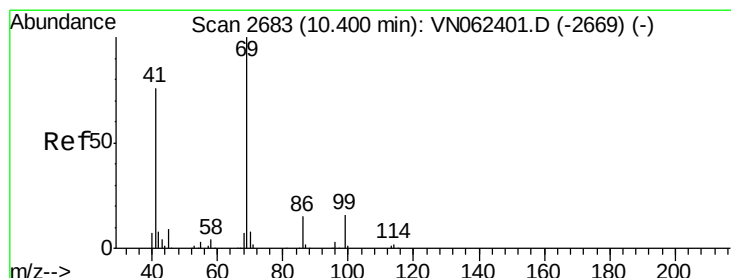
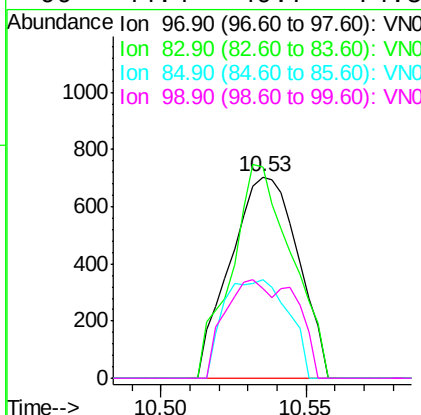
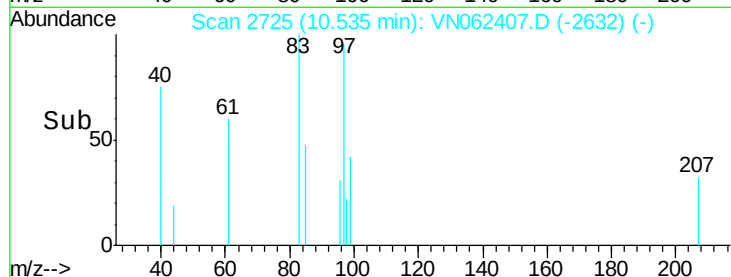
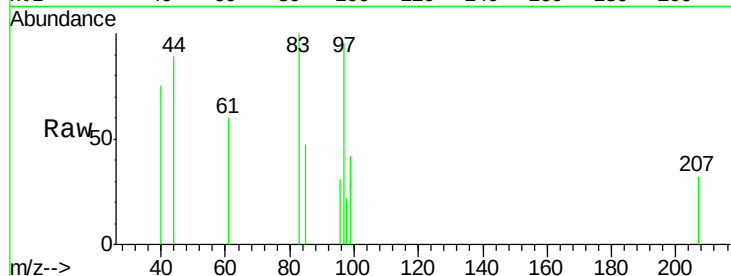
#55
1,1,2-Trichloroethane
Concen: 0.527 ug/l
RT: 10.53 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	105.0	71.0	106.4
85	49.2	46.2	69.4
99	44.4	49.7	74.5#

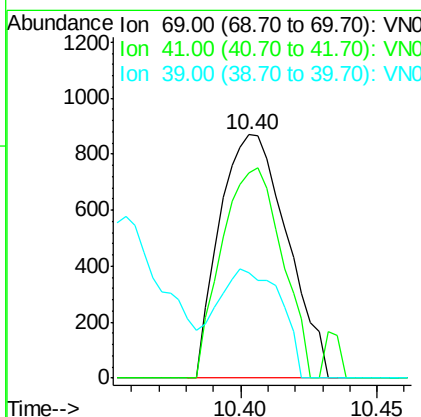
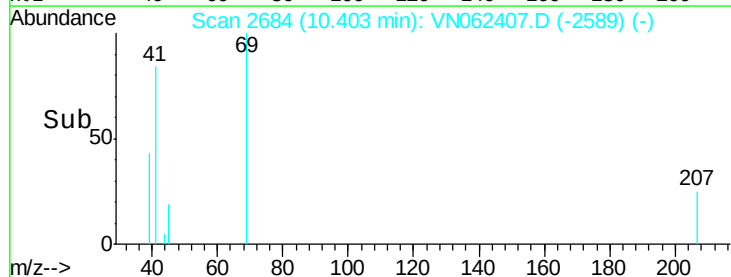
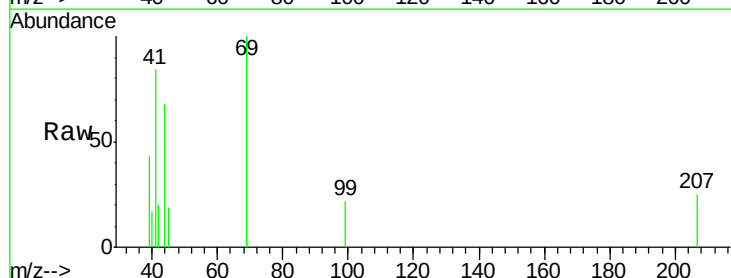
Manual Integrations
APPROVED

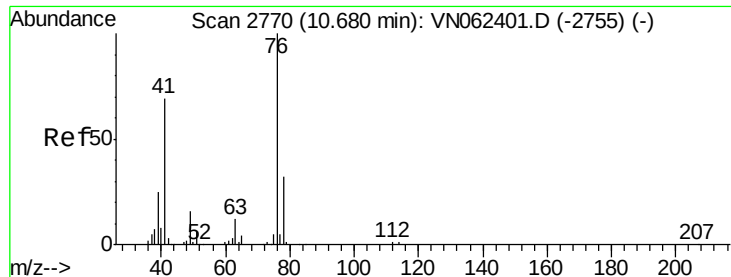
MMDadoda
7/9/2020 10:55:01 AM



#56
Ethyl methacrylate
Concen: 0.413 ug/l
RT: 10.40 min Scan# 2684
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.7	89.5
39	42.9	30.6	45.8





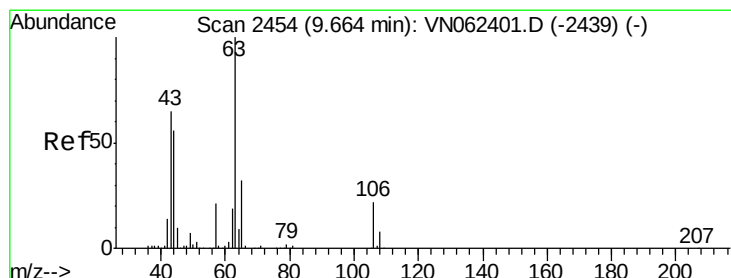
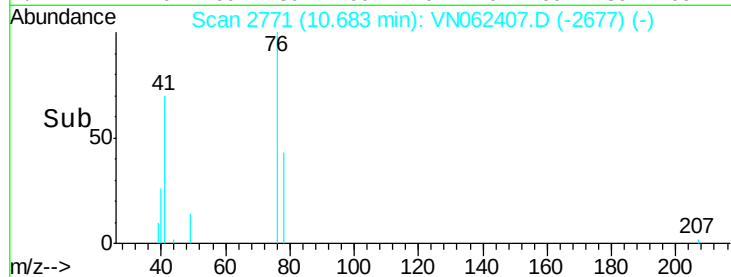
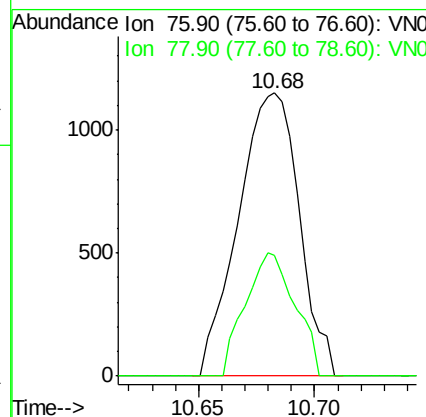
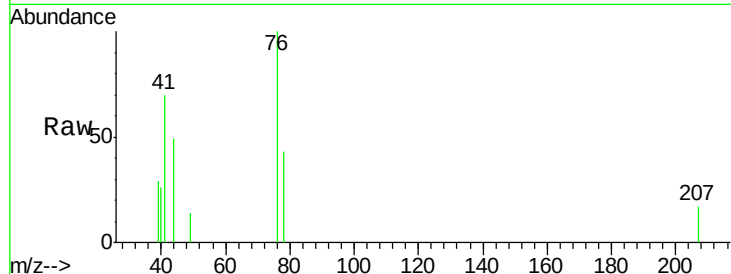
#57
 1,3-Dichloropropane
 Concen: 0.524 ug/l
 RT: 10.68 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.7	25.6	38.4

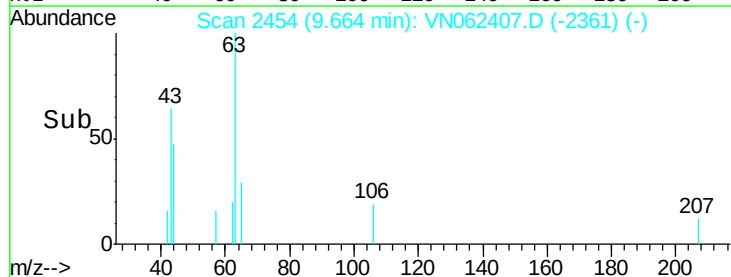
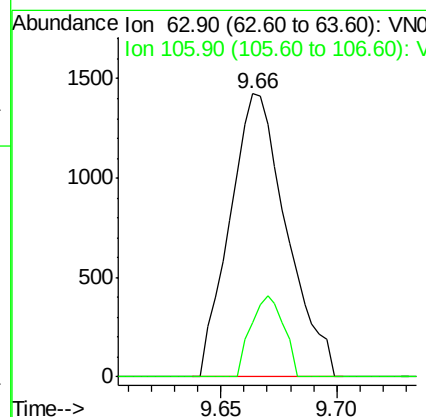
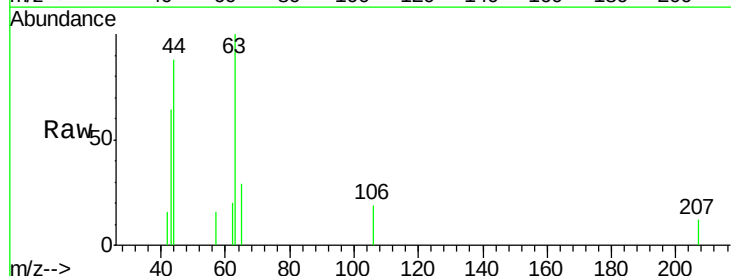
Manual Integrations
 APPROVED

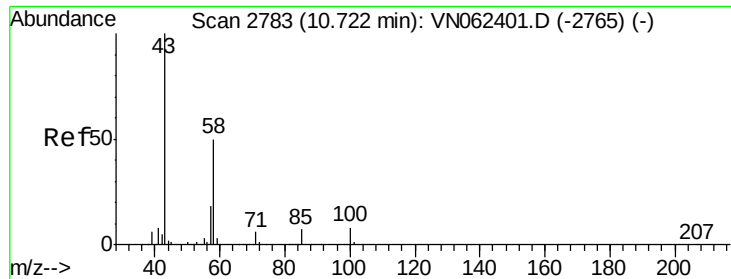
MMDadoda
 7/9/2020 10:55:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.888 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	16.5	17.6	26.4#





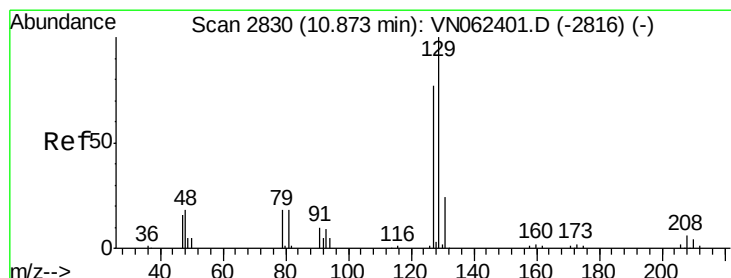
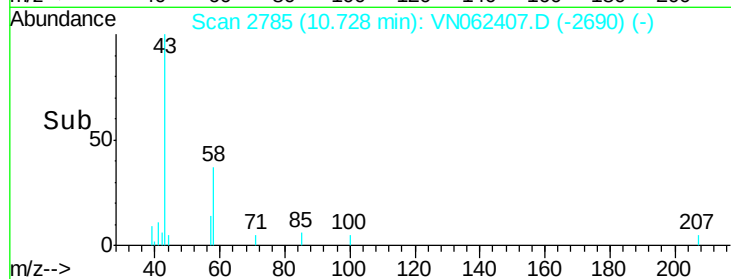
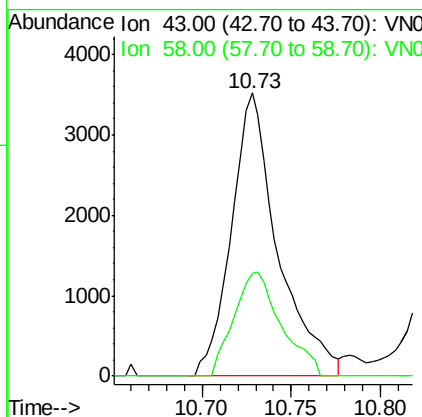
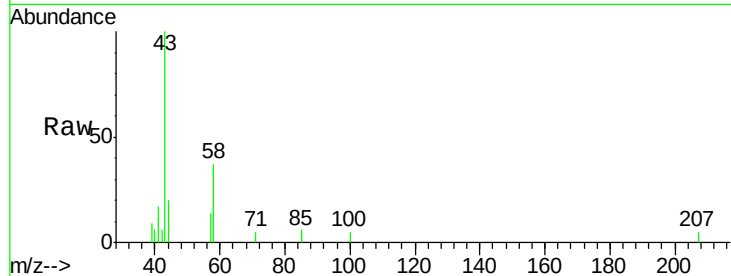
#59
2-Hexanone
Concen: 2.466 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion: 43 Resp: 6383
Ion Ratio Lower Upper
43 100
58 37.4 25.1 75.2

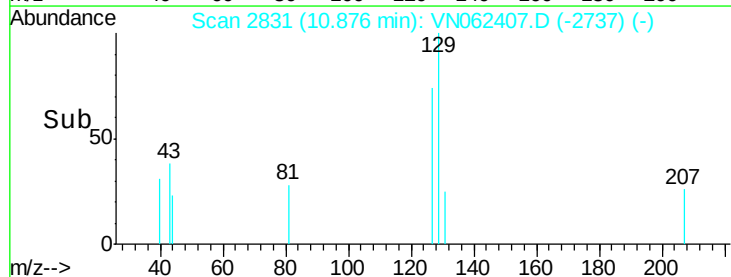
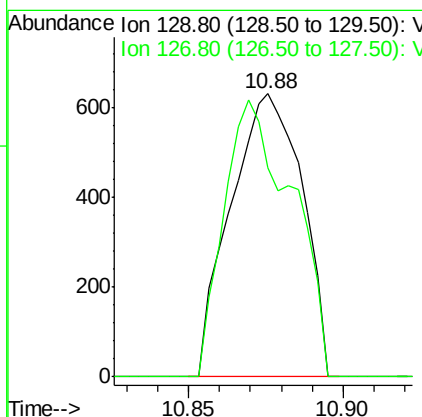
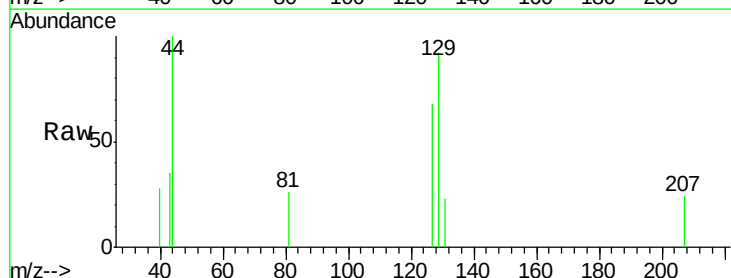
Manual Integrations
APPROVED

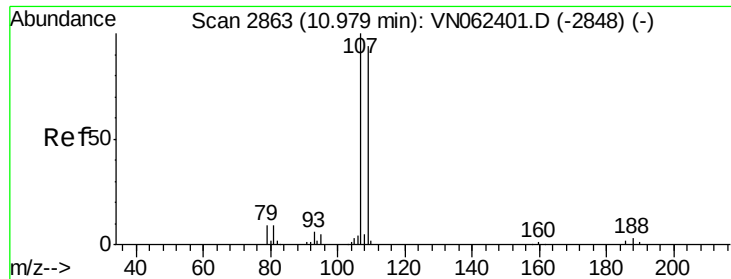
MMDadoda
7/9/2020 10:55:01 AM



#60
Dibromochloromethane
Concen: 0.431 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion: 129 Resp: 1010
Ion Ratio Lower Upper
129 100
127 93.8 38.6 115.8





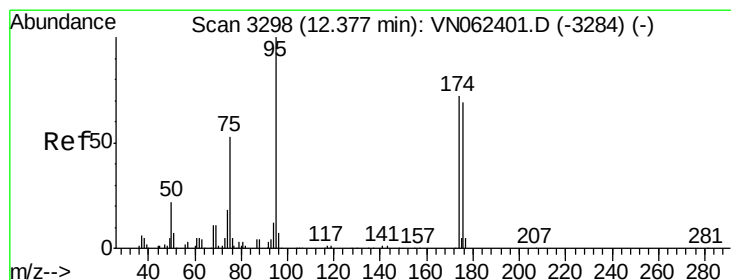
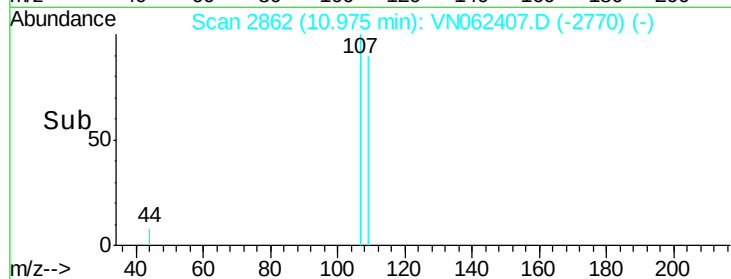
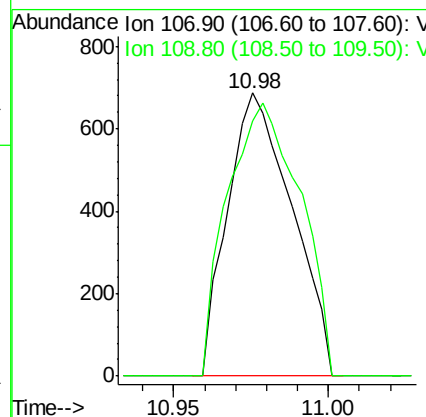
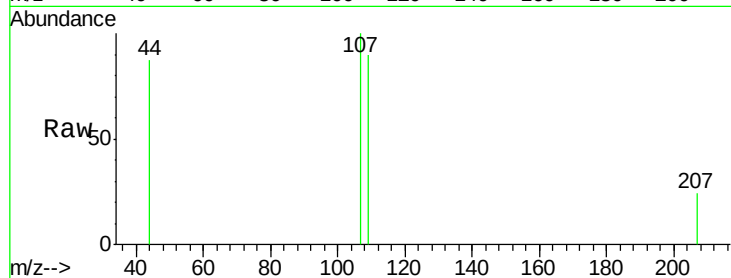
#61
 1,2-Dibromoethane
 Concen: 0.456 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	108.9	75.6	113.4

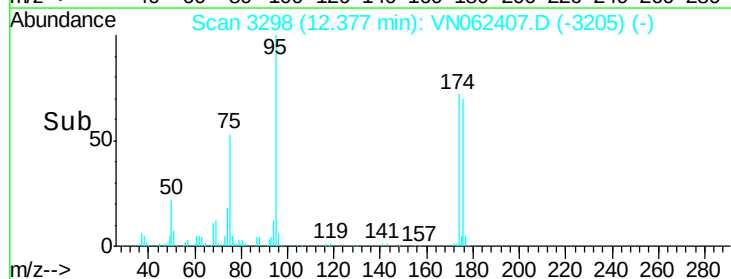
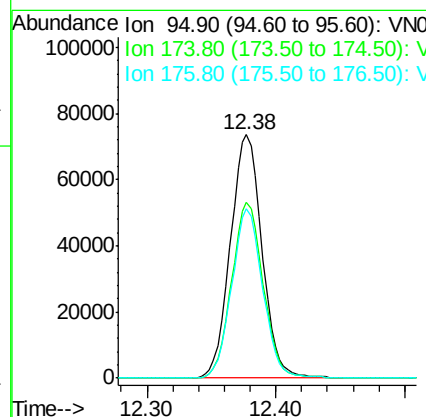
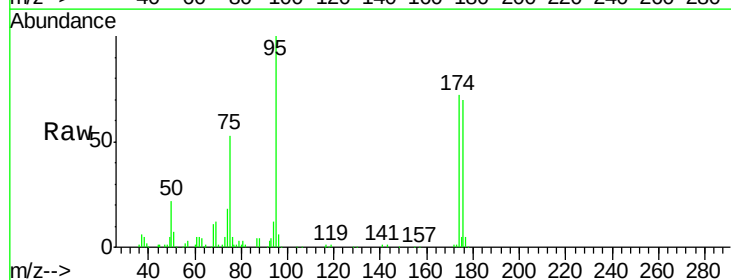
Manual Integrations
 APPROVED

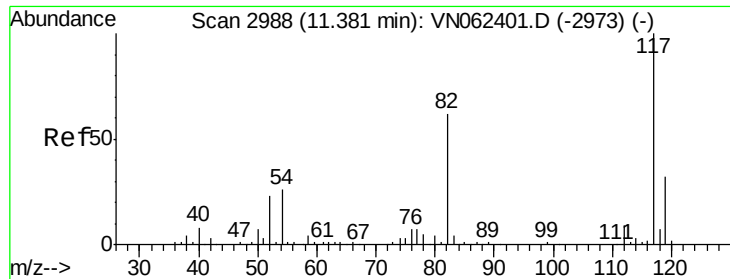
MMDadoda
 7/9/2020 10:55:01 AM



#62
 4-Bromofluorobenzene
 Concen: 43.696 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	68.5	0.0	137.2





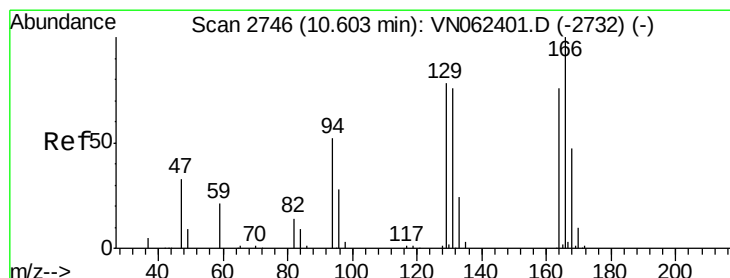
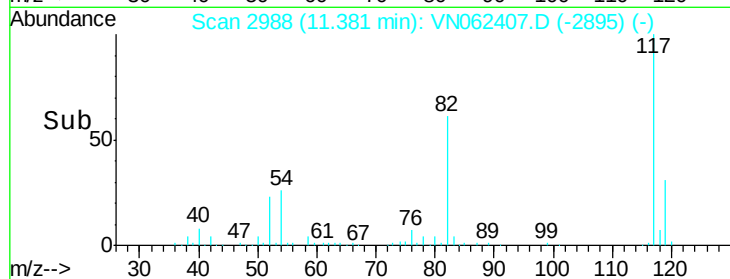
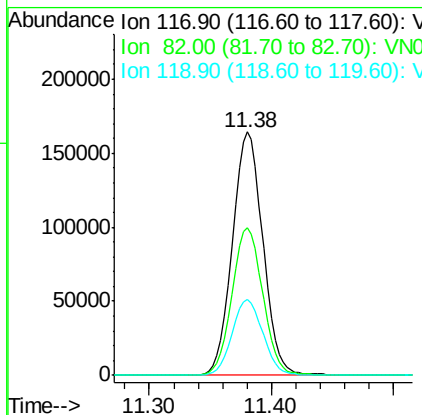
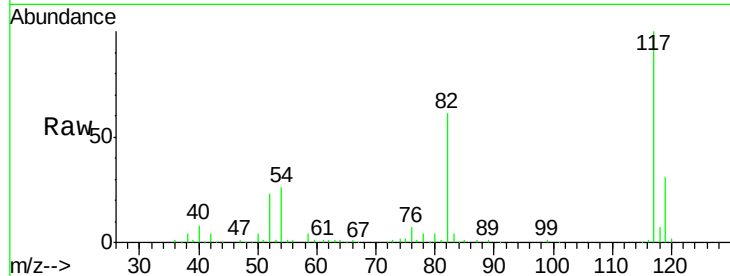
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285095		
82	60.5	49.6	74.4	
119	31.1	25.4	38.0	

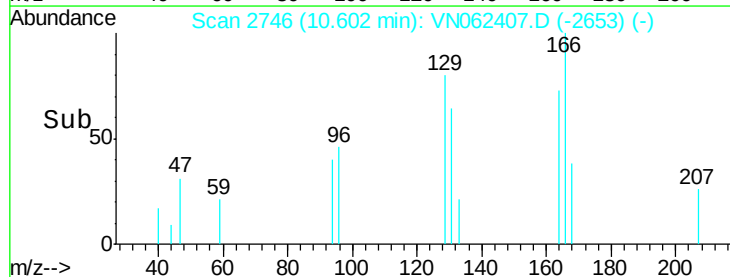
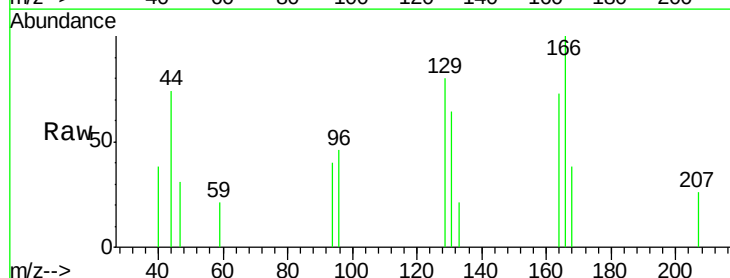
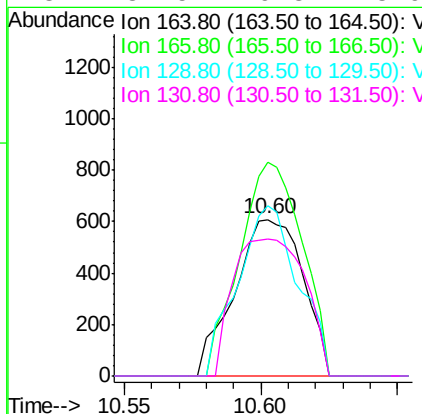
Manual Integrations
APPROVED

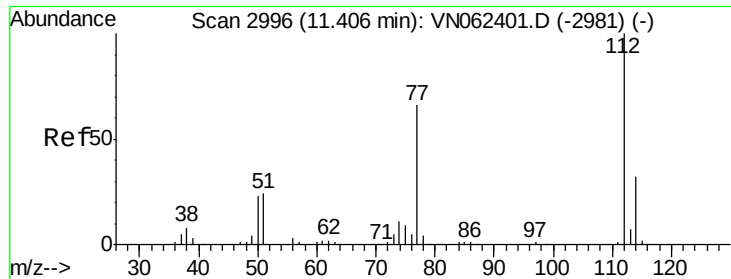
MMDadoda
7/9/2020 10:55:01 AM



#64
Tetrachloroethene
Concen: 0.630 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1065		
166	136.3	104.9	157.3	
129	108.5	81.8	122.6	
131	87.5	79.3	118.9	





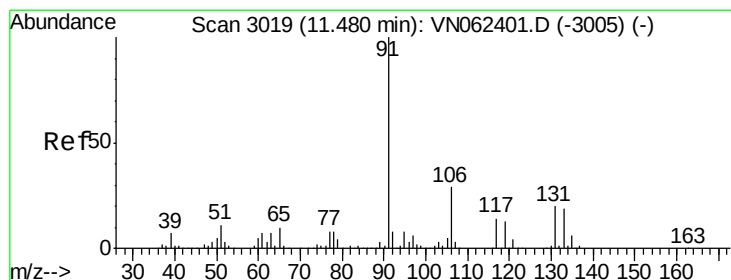
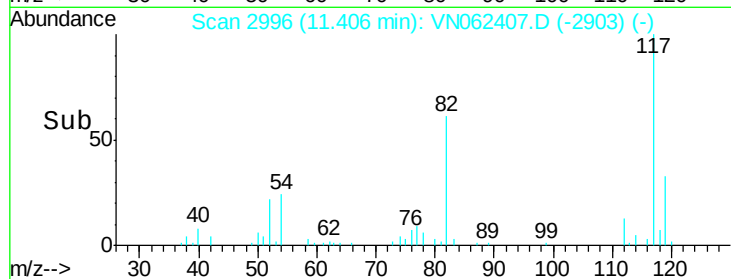
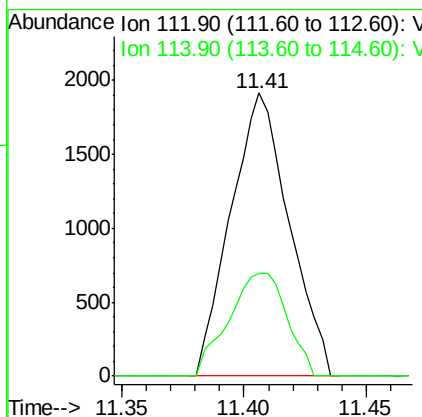
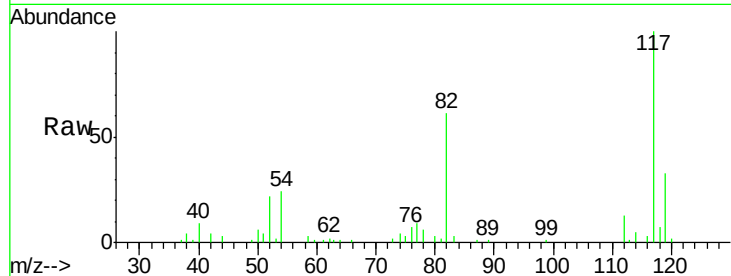
#65
Chlorobenzene
Concen: 0.573 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion:112 Resp: 3174
Ion Ratio Lower Upper
112 100
114 36.6 25.9 38.9

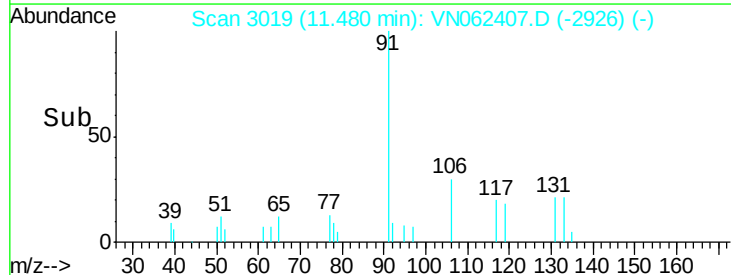
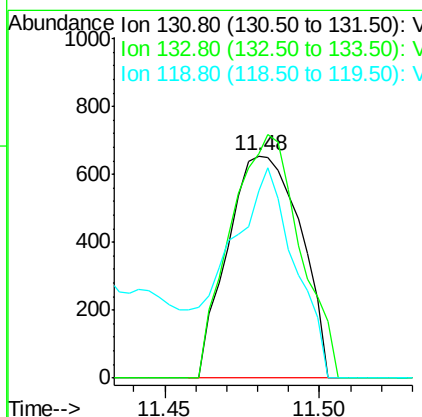
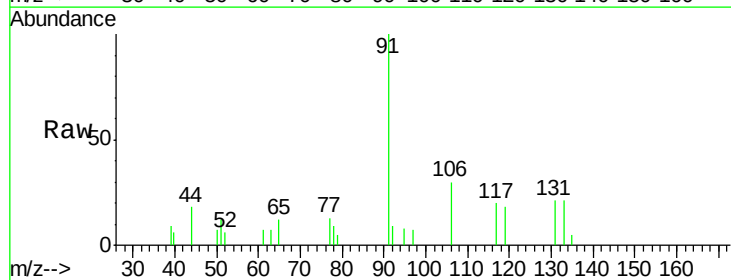
Manual Integrations
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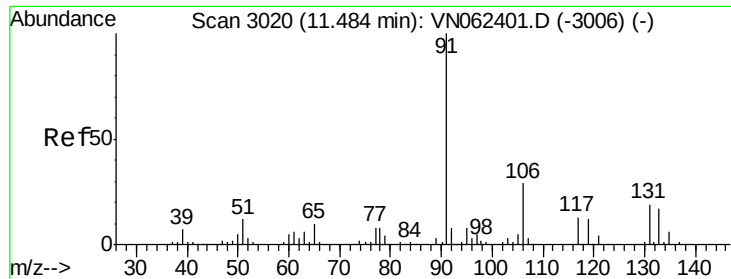
MMDadoda
7/9/2020 10:55:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.524 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion:131 Resp: 1070
Ion Ratio Lower Upper
131 100
133 104.4 46.9 140.8
119 0.0 33.2 99.6#





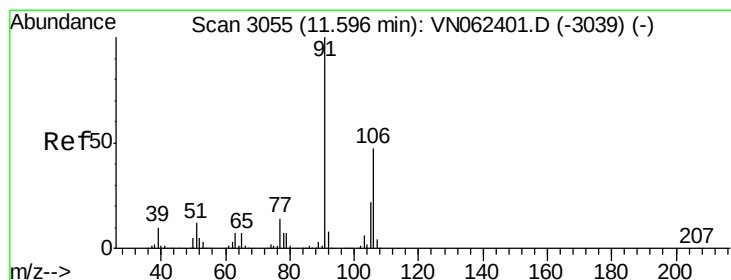
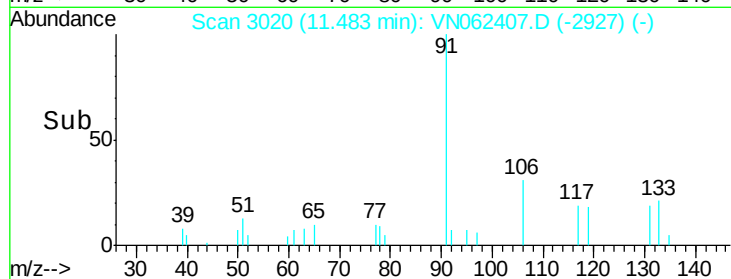
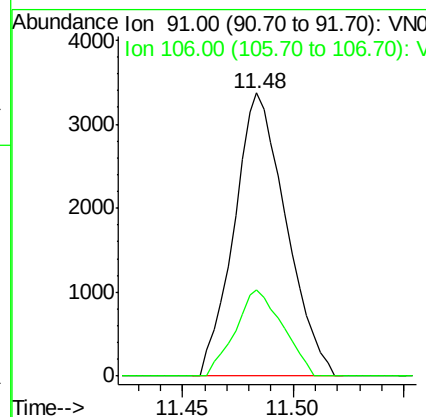
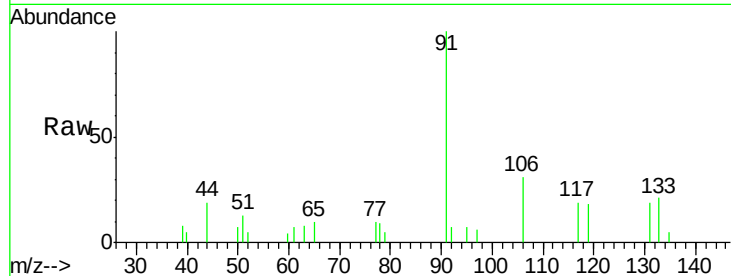
#67
Ethyl Benzene
Concen: 0.528 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion: 91 Resp: 5493
Ion Ratio Lower Upper
91 100
106 30.7 23.4 35.2

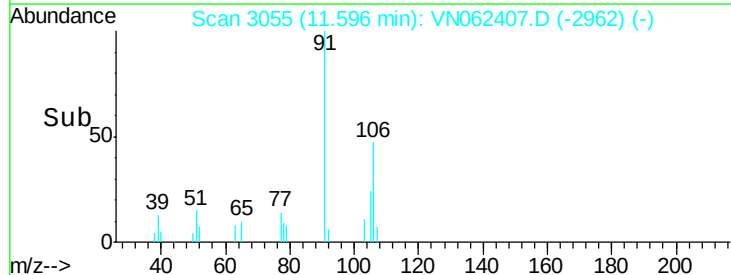
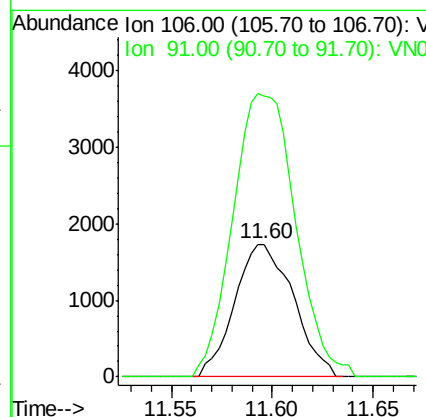
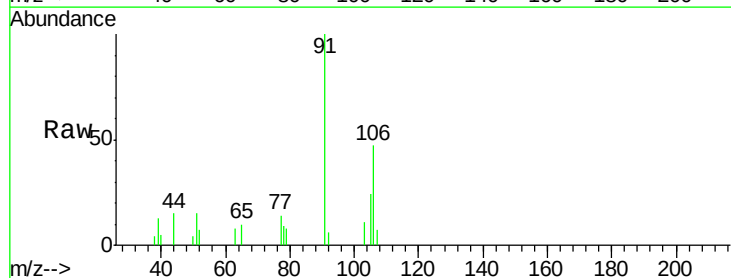
Manual Integrations
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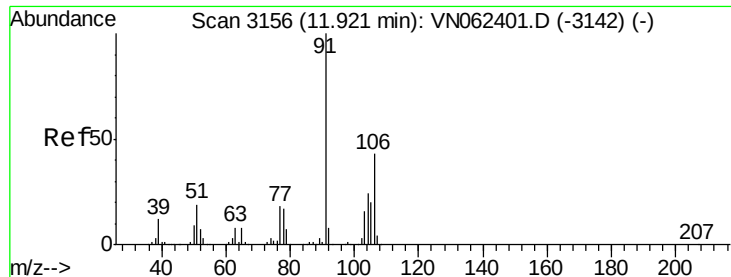
MMDadoda
7/9/2020 10:55:01 AM



#68
m/p-Xylenes
Concen: 0.956 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion: 106 Resp: 3520
Ion Ratio Lower Upper
106 100
91 227.8 172.4 258.6





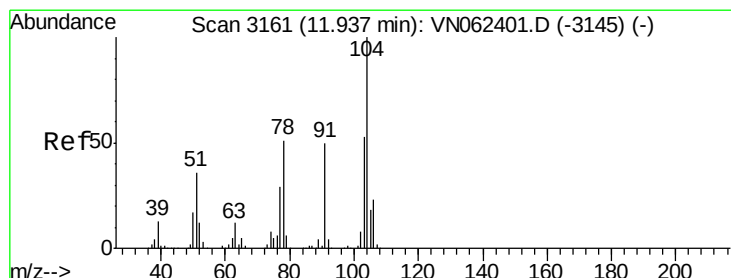
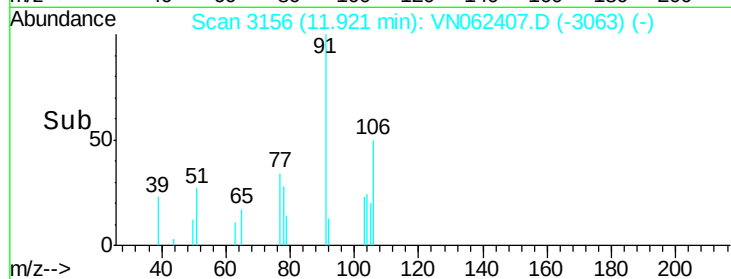
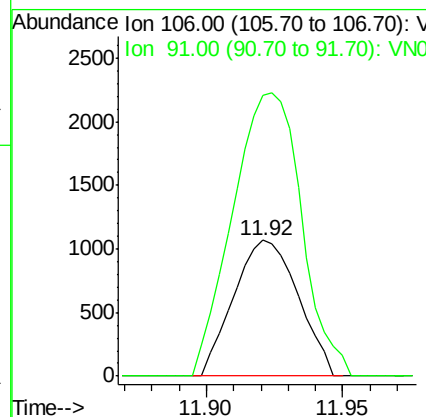
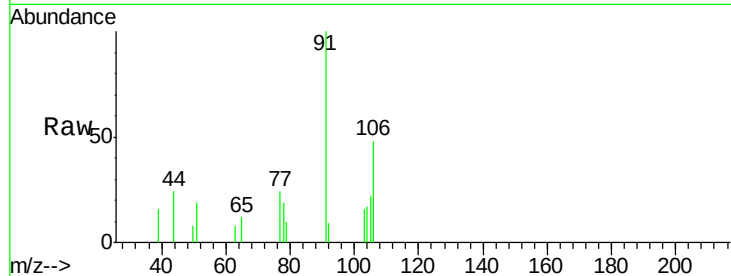
#69
o-Xylene
Concen: 0.488 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.9	113.8	341.4	

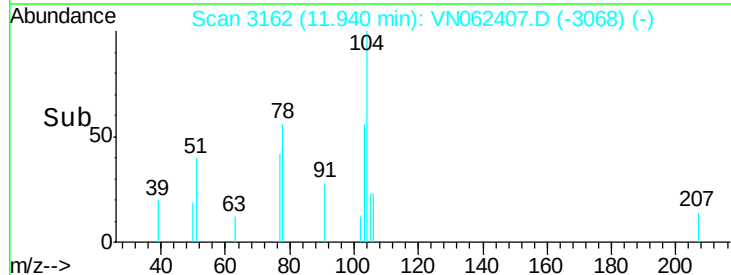
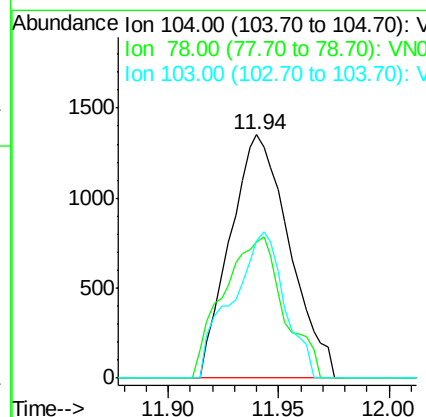
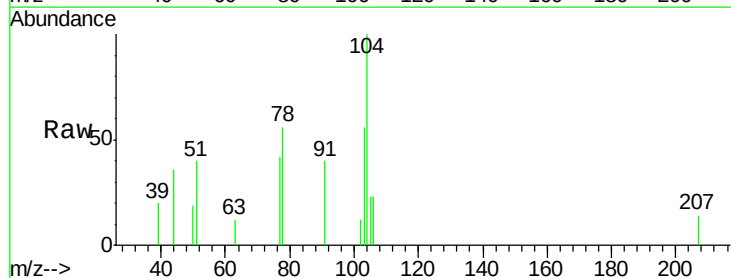
Manual Integrations
APPROVED

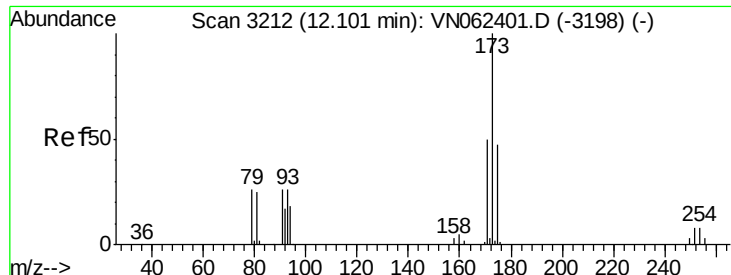
MMDadoda
7/9/2020 10:55:01 AM



#70
Styrene
Concen: 0.426 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	59.5	44.2	66.4	
103	53.3	44.4	66.6	





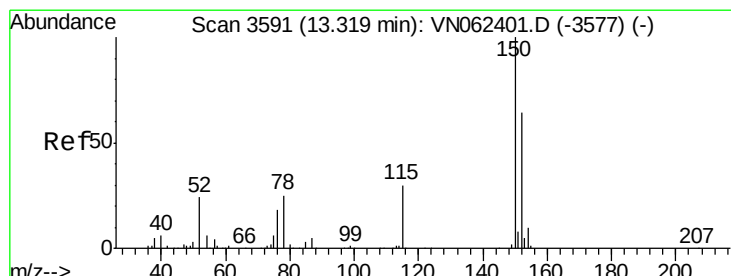
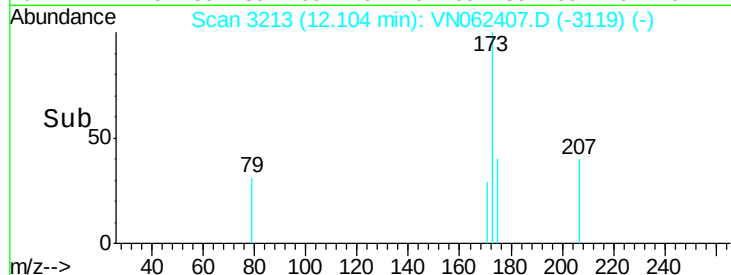
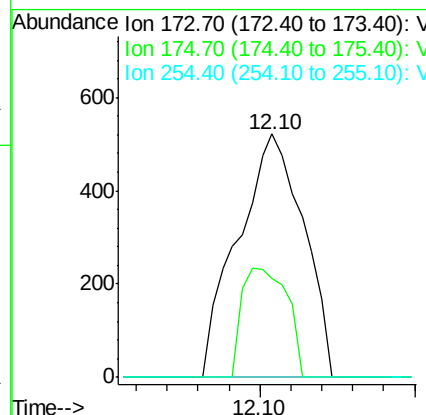
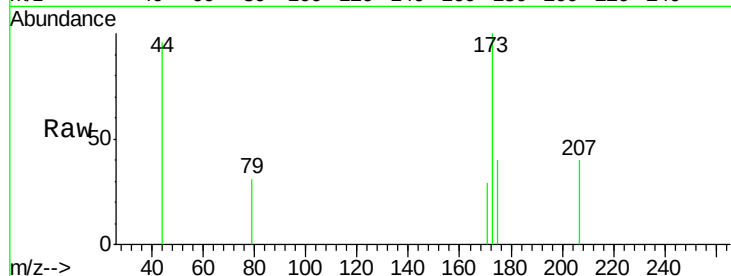
#71
Bromoform
Concen: 0.515 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

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

Tot Ion:173 Resp: 771
Ion Ratio Lower Upper
173 100
175 30.6 23.7 71.1
254 0.0 0.0 0.0

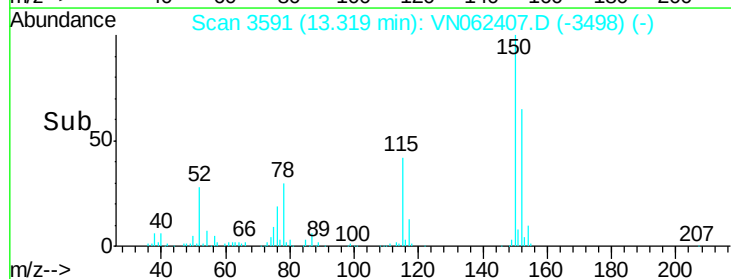
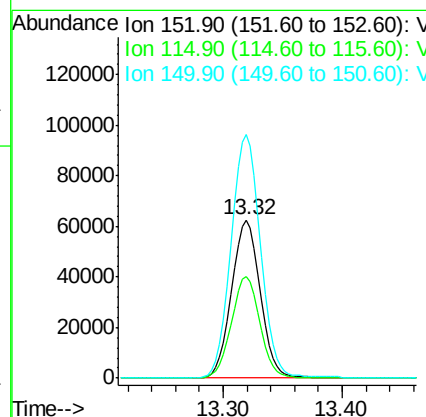
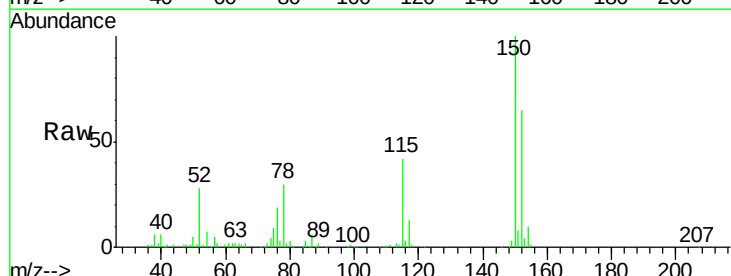
Manual Integrations
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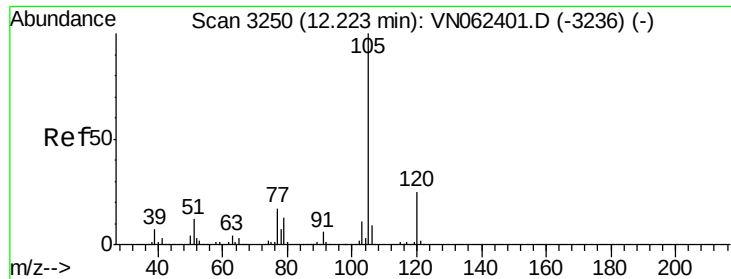
MMDadoda
7/9/2020 10:55:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062407.D
Acq: 8 Jul 2020 15:01

Tgt Ion:152 Resp: 104957
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.2
150 157.8 0.0 347.4





#73

Isopropylbenzene

Concen: 0.587 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 4765

Ion Ratio Lower Upper

105 100

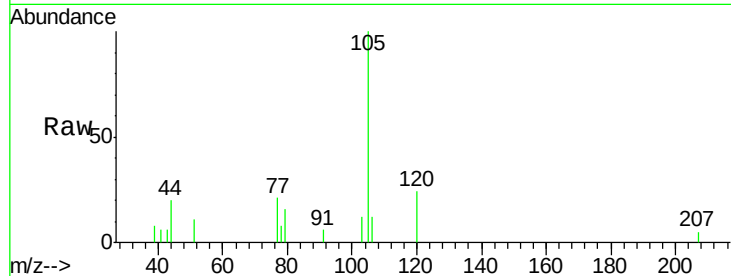
120 22.7 12.7 38.1

Manual Integrations

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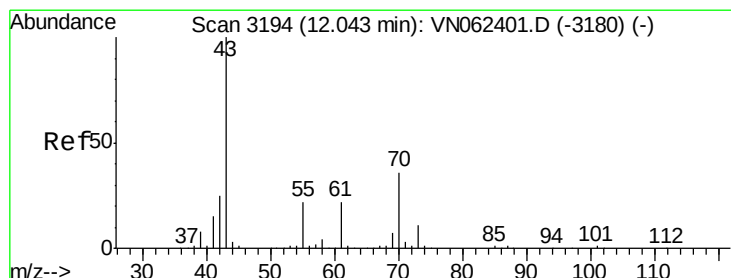
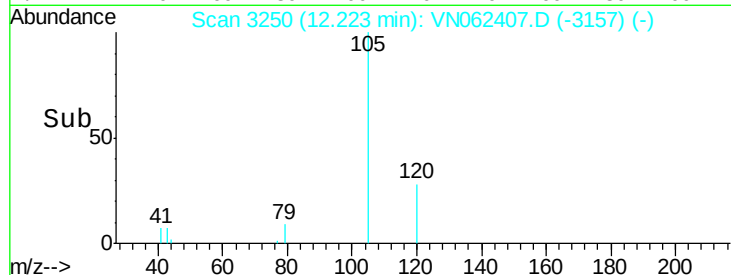
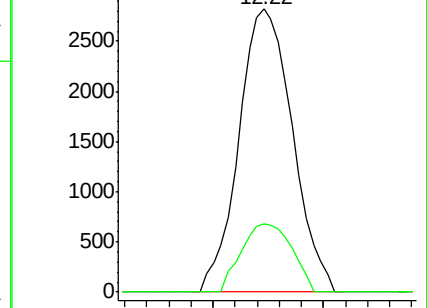
MMDadoda

7/9/2020 10:55:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.520 ug/l

RT: 12.05 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion: 43 Resp: 2055

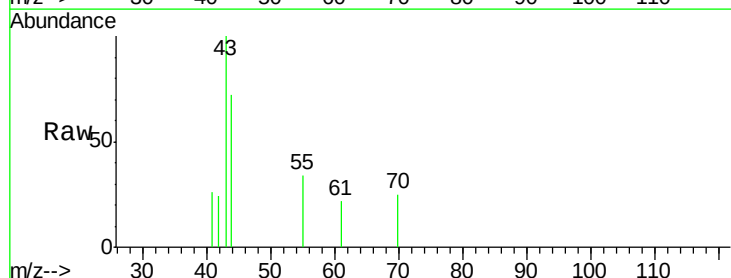
Ion Ratio Lower Upper

43 100

70 15.7 30.0 45.0#

55 12.6 18.2 27.4#

61 4.4 17.7 26.5#

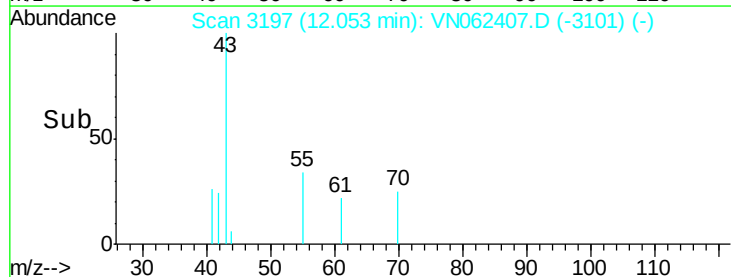
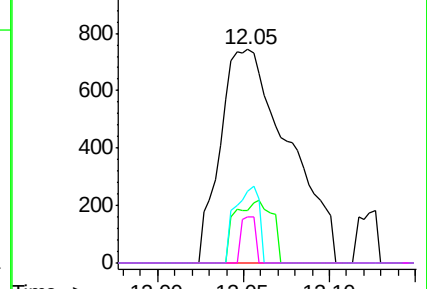


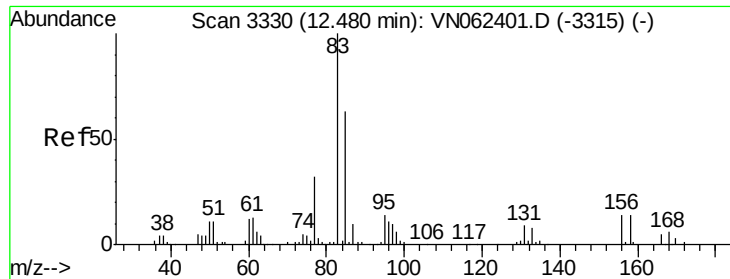
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





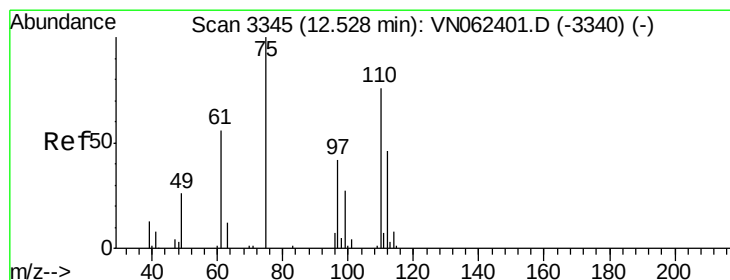
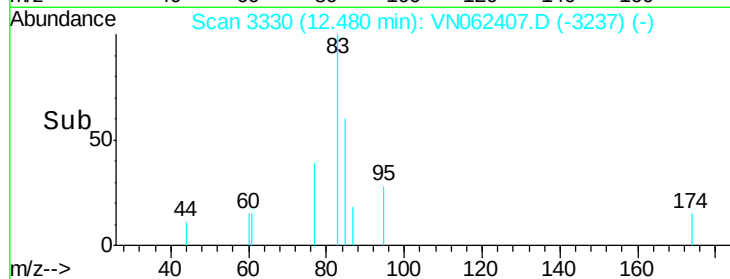
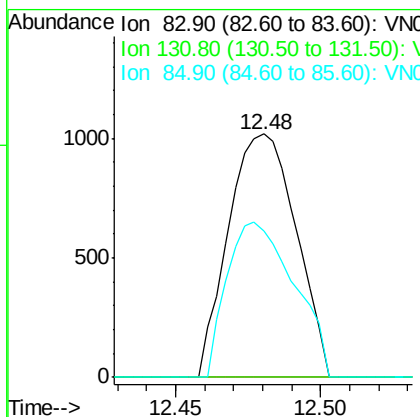
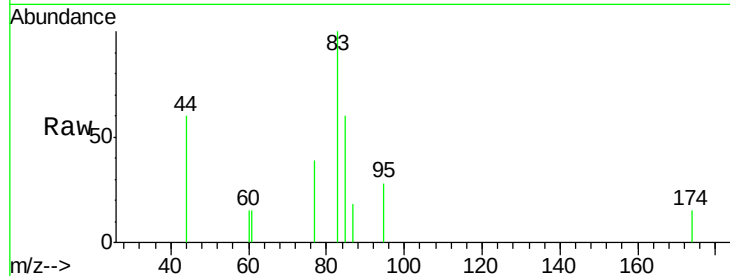
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.603 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.5#
85	63.4	31.9	95.9

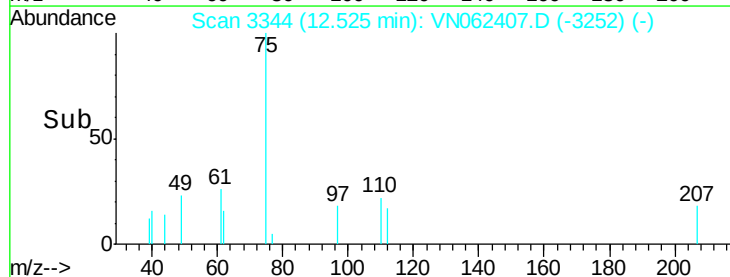
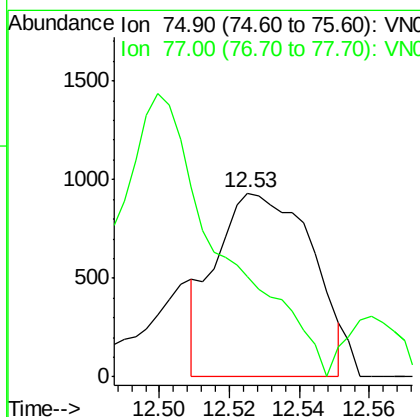
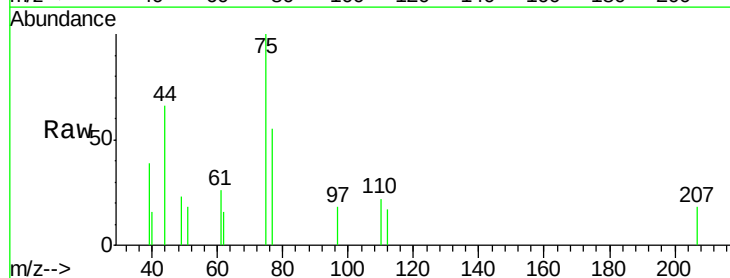
Manual Integrations
 APPROVED

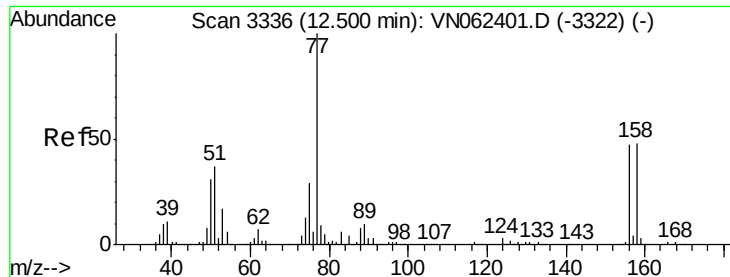
MMDadoda
 7/9/2020 10:55:01 AM



#76
 1,2,3-Trichloropropane
 Concen: 0.682 ug/l m
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.683 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

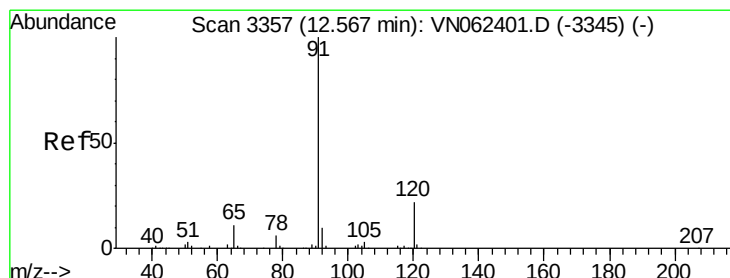
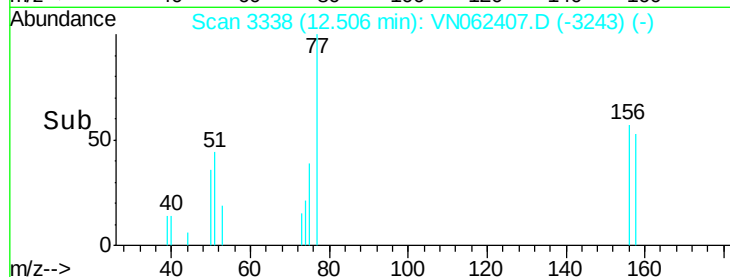
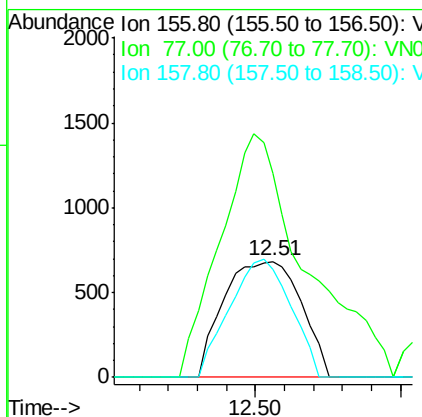
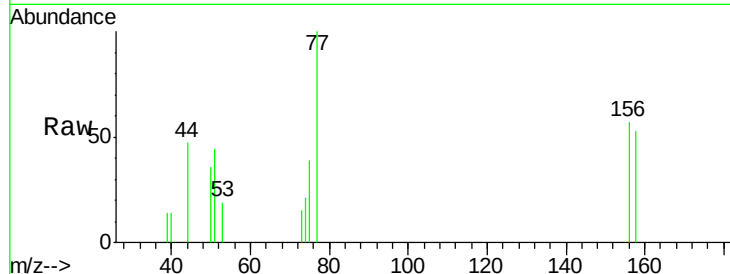
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	156	Resp:	1262
Ion	Ratio	Lower	Upper
156	100		
77	234.1	126.4	379.3
158	80.9	49.8	149.4

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#78

n-propylbenzene

Concen: 0.594 ug/l

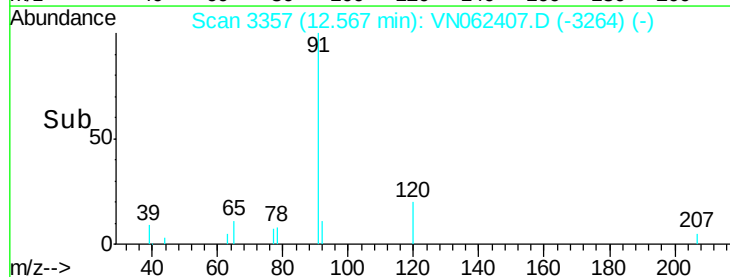
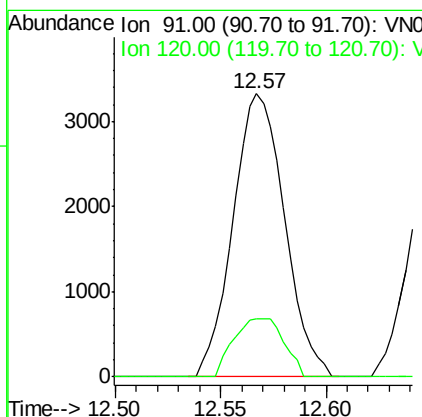
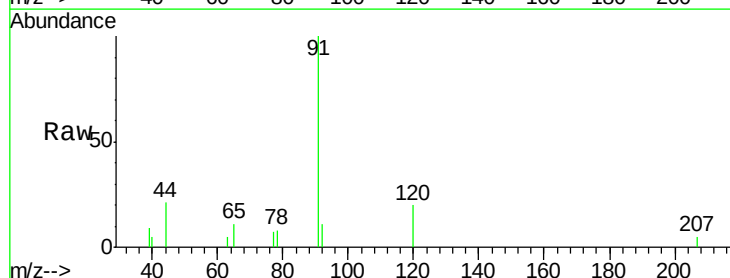
RT: 12.57 min Scan# 3357

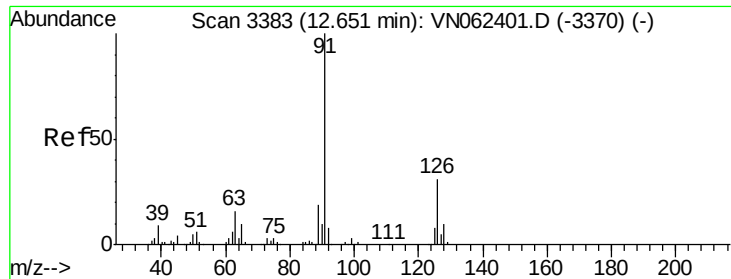
Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	91	Resp:	5634
Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.7	32.1





#79

2-Chlorotoluene

Concen: 0.636 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 3661

Ion Ratio Lower Upper

91 100

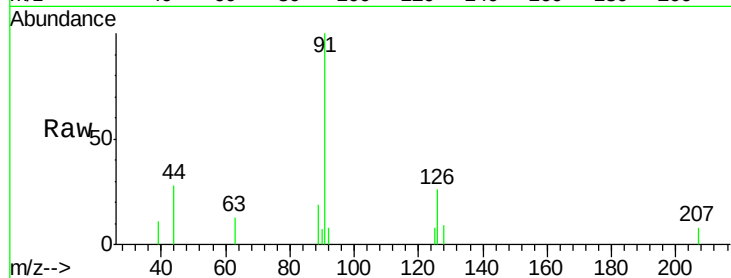
126 24.6 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VN062407.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN062407.D (-3382) (-)

12.65

2500

2000

1500

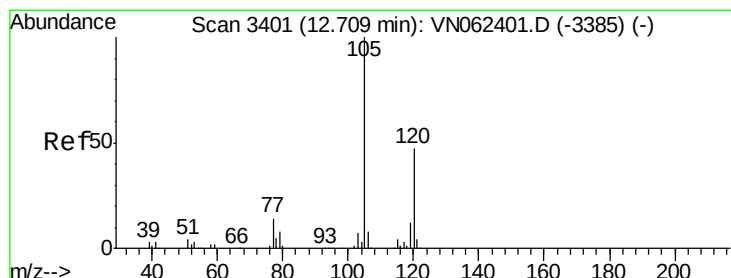
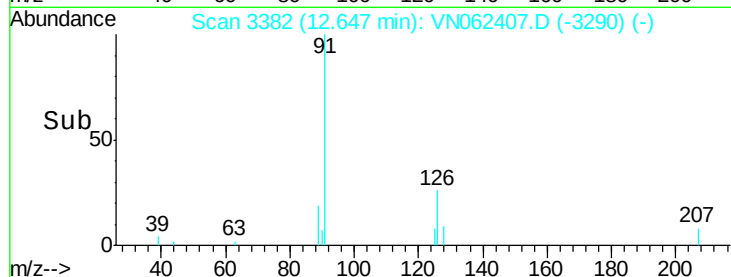
1000

500

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.551 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062407.D

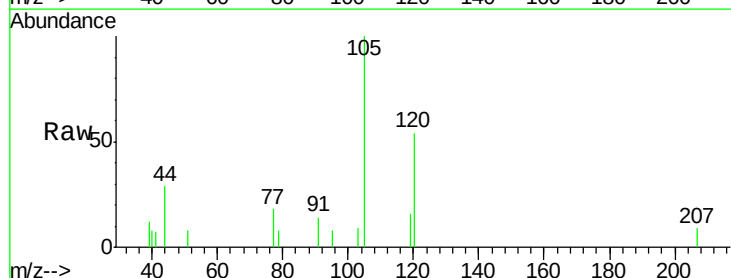
Acq: 8 Jul 2020 15:01

Tgt Ion: 105 Resp: 3671

Ion Ratio Lower Upper

105 100

120 44.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062407.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN062407.D (-3398) (-)

12.71

2500

2000

1500

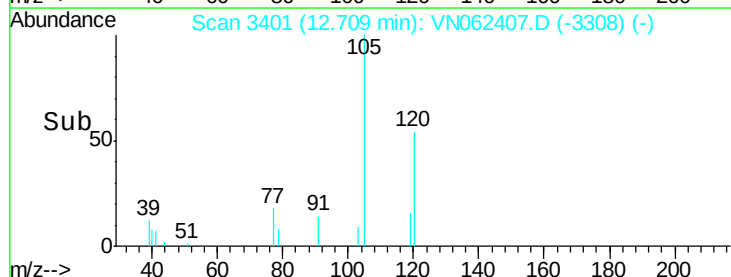
1000

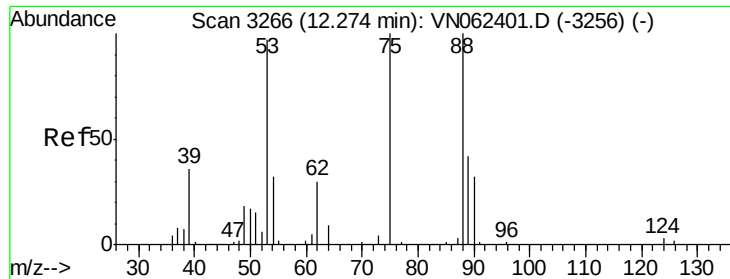
500

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.372 ug/l m

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

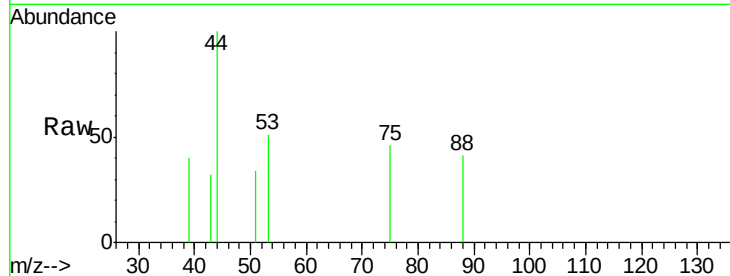
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

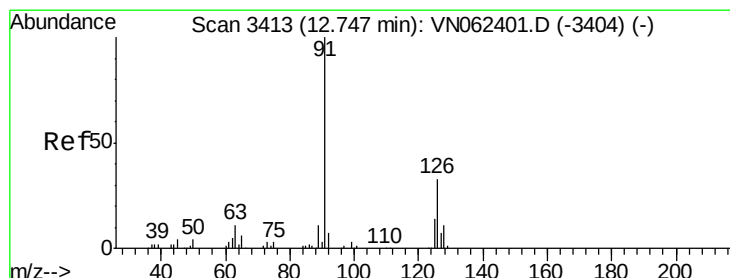
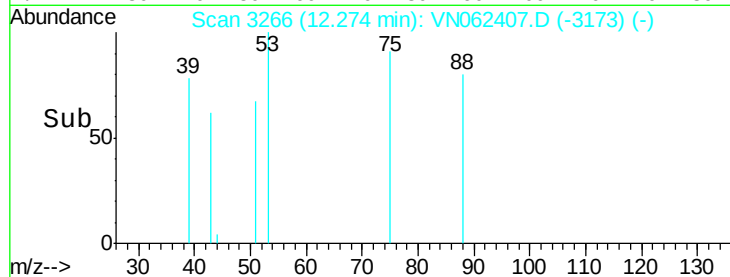
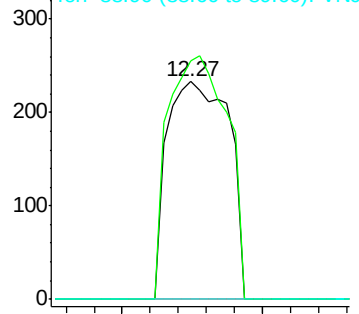
Tot Ion:	75	Resp:	358
Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.2	118.8#
89	0.0	34.6	52.0#

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Abundance Ion 74.90 (74.60 to 75.60): VN062407.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 0.629 ug/l

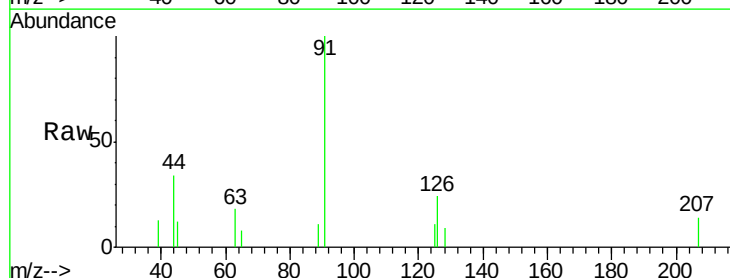
RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

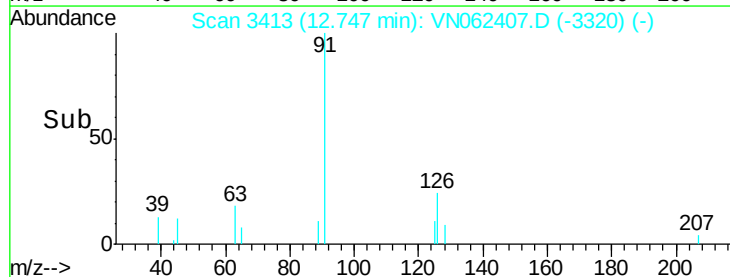
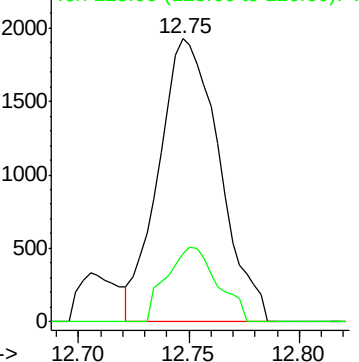
Lab File: VN062407.D

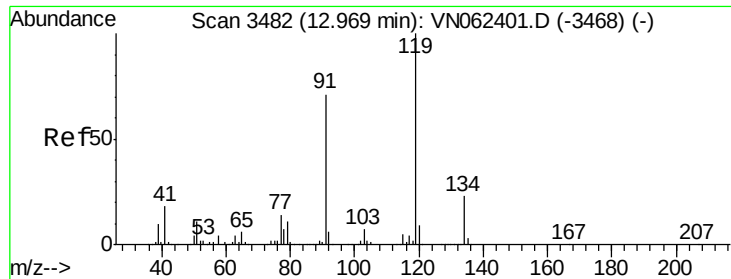
Acq: 8 Jul 2020 15:01

Tgt Ion:	91	Resp:	3679
Ion	Ratio	Lower	Upper
91	100		
126	22.2	15.2	45.6



Abundance Ion 91.00 (90.70 to 91.70): VN062407.D (-3320) (-)





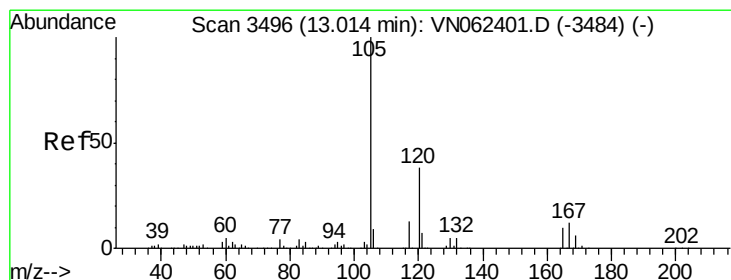
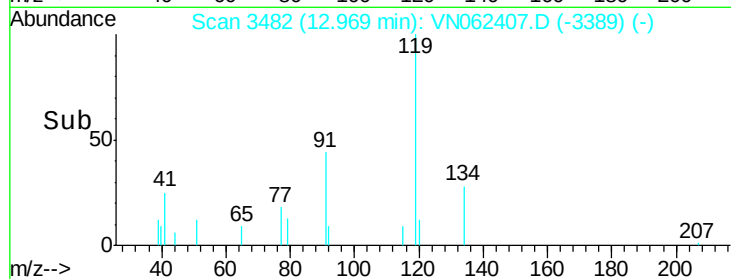
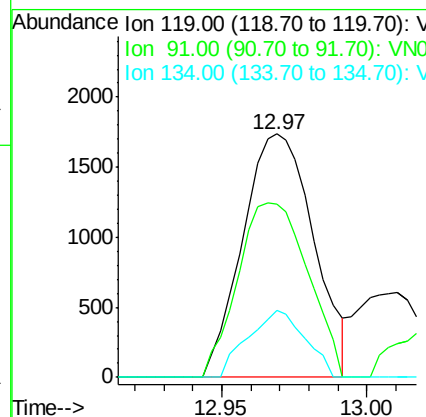
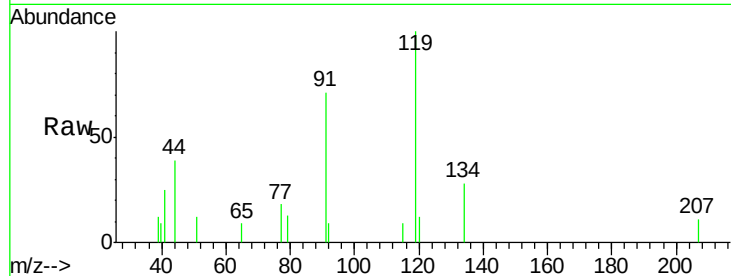
#83
 tert-Butylbenzene
 Concen: 0.522 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.8	104.3
134	22.2	11.7	35.0

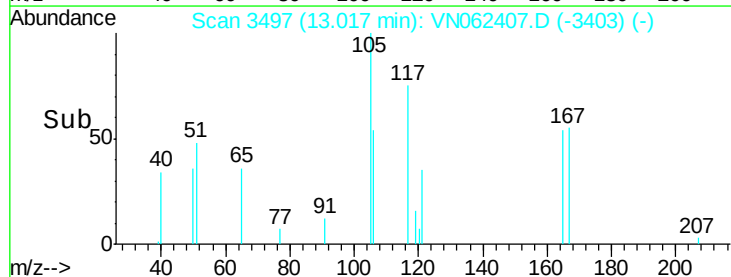
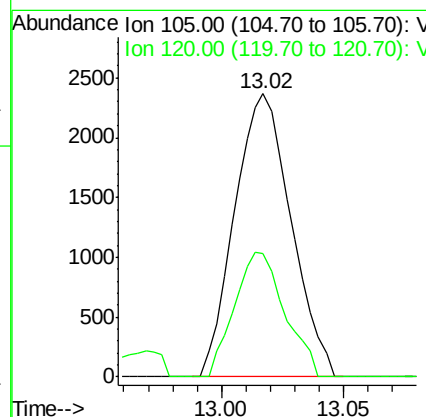
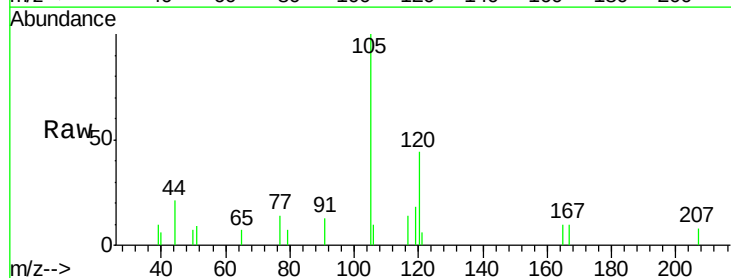
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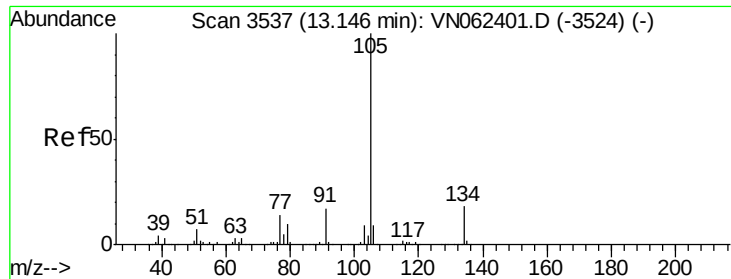
MMDadoda
 7/9/2020 10:55:01 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.572 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.3	21.6	64.8





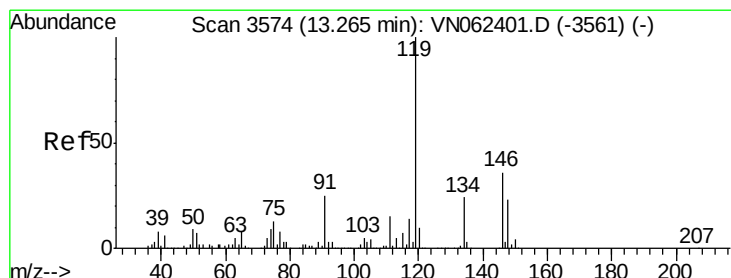
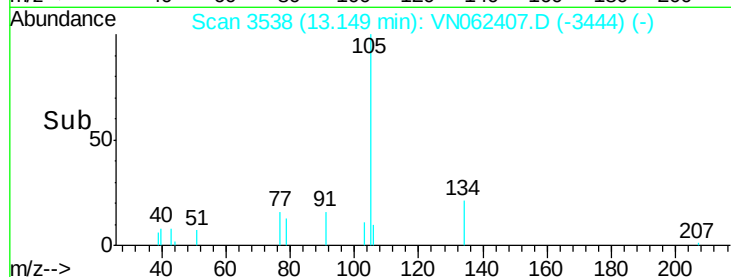
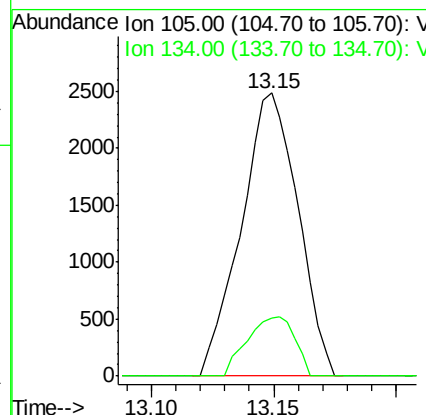
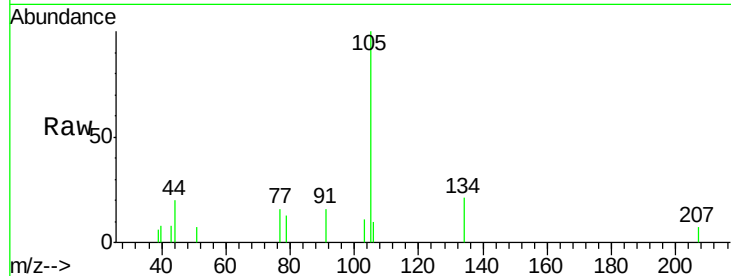
#85
 sec-Butylbenzene
 Concen: 0.536 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.4	9.3	28.0

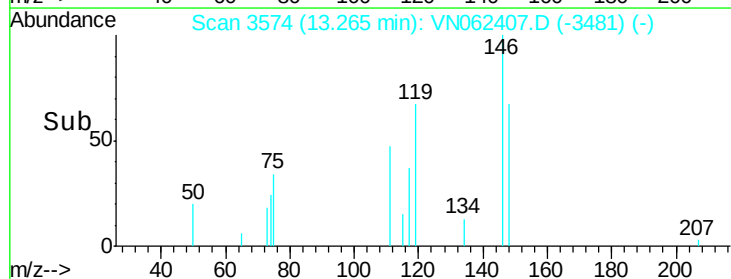
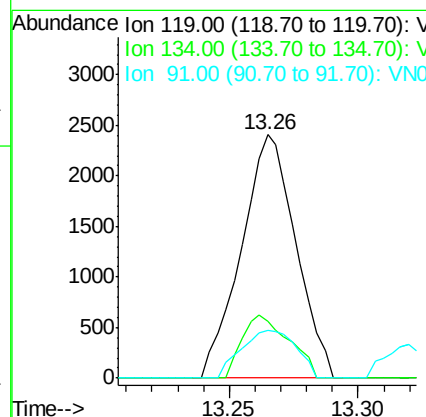
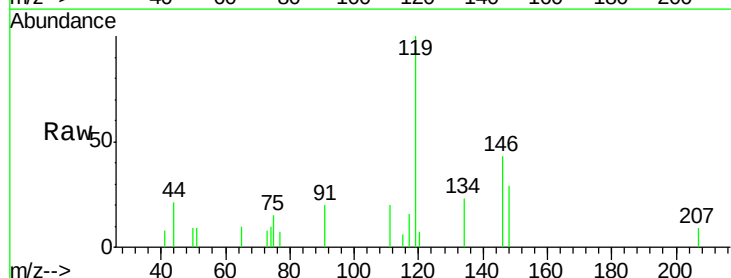
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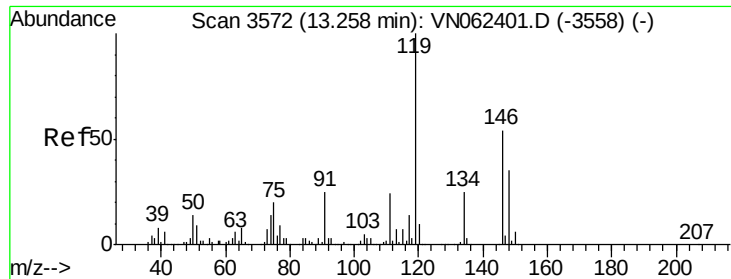
MMDadoda
 7/9/2020 10:55:01 AM



#86
 p-Isopropyltoluene
 Concen: 0.549 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.3	12.4	37.0
91	19.8	12.4	37.4





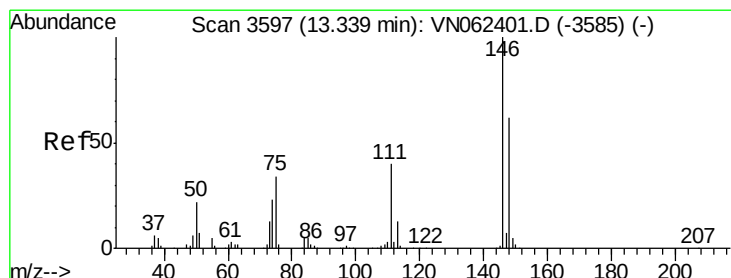
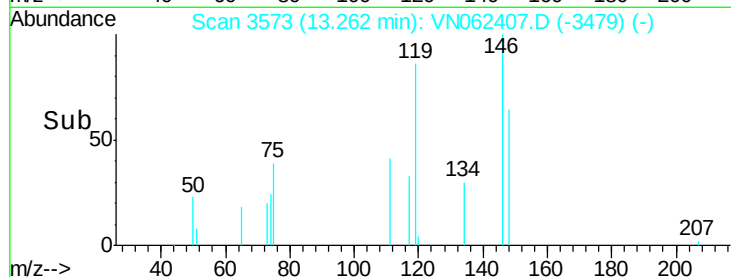
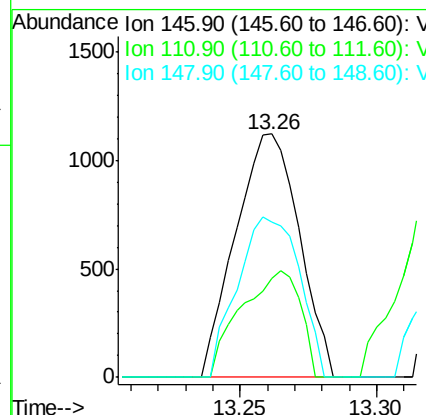
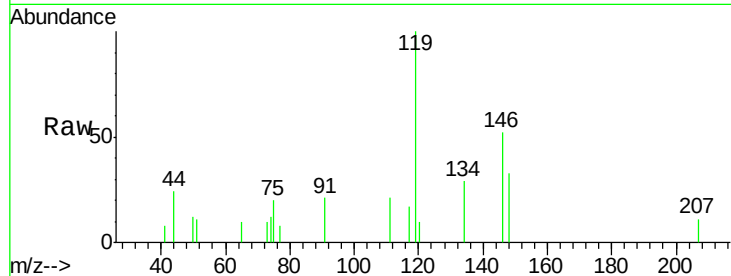
#87
 1,3-Dichlorobenzene
 Concen: 0.569 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.6	64.6
148	64.2	32.2	96.6

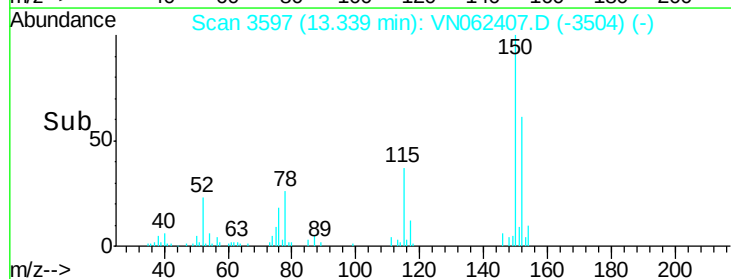
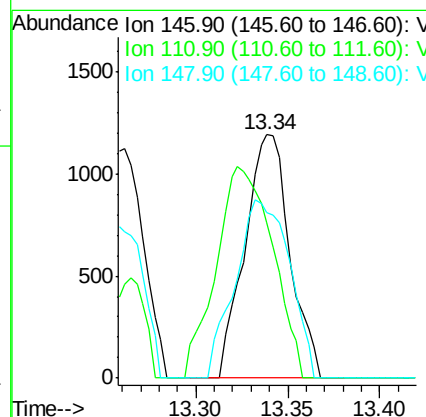
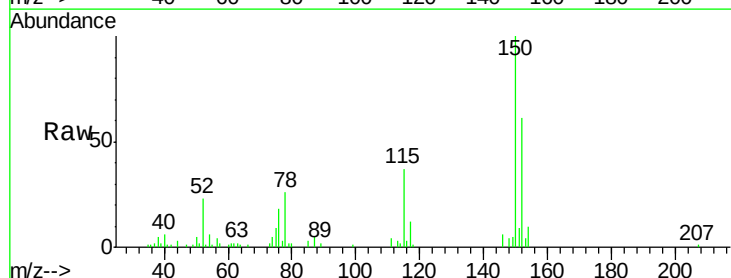
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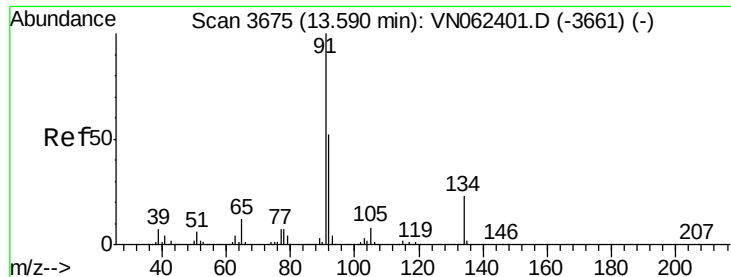
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#88
 1,4-Dichlorobenzene
 Concen: 0.613 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	21.1	63.1
148	58.0	31.4	94.2





#89

n-Butylbenzene

Concen: 0.474 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

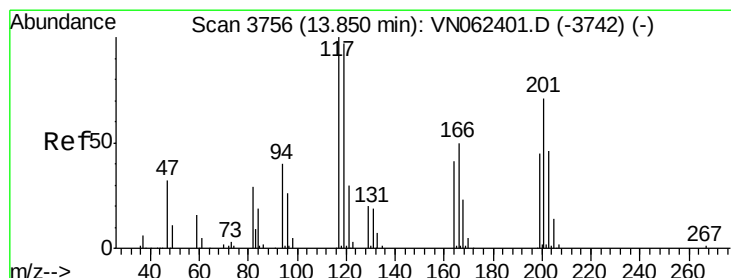
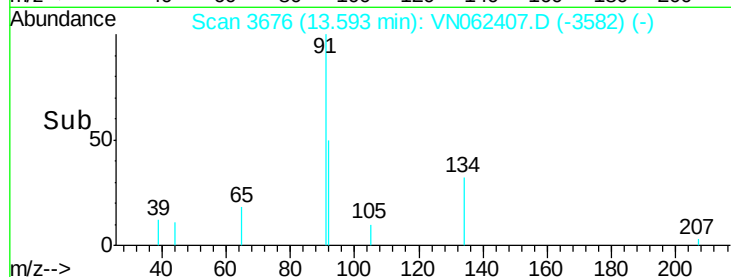
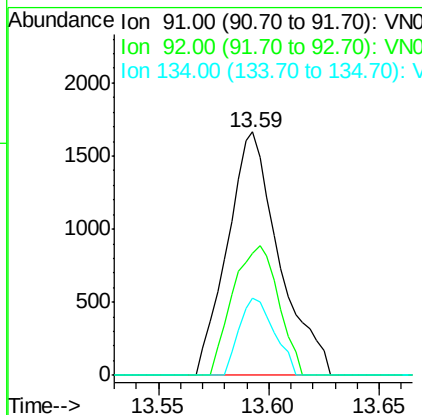
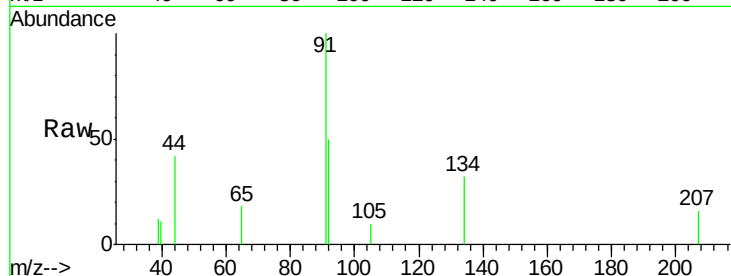
ClientSampled :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	91	Resp:	2704
Ion	Ratio	Lower	Upper
91	100		
92	47.3	25.9	77.7
134	21.7	11.6	34.8

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#90

Hexachloroethane

Concen: 0.462 ug/l

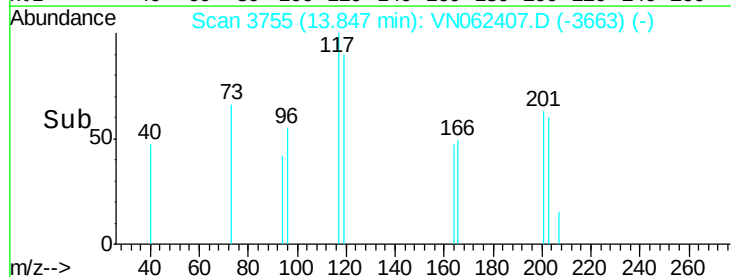
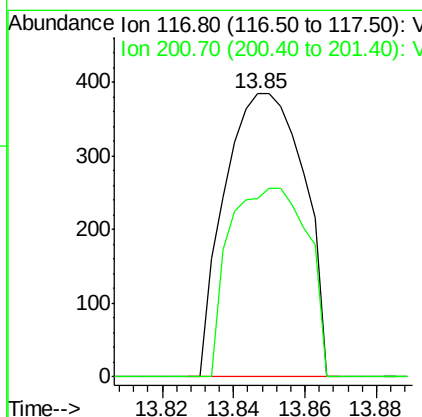
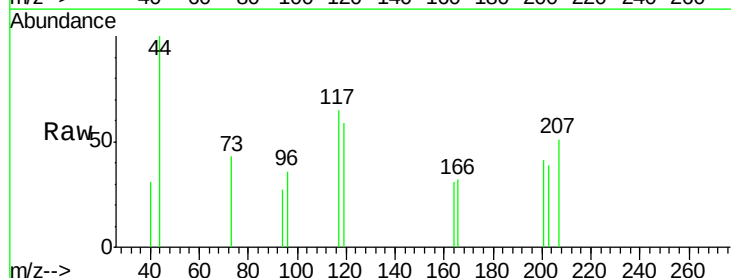
RT: 13.85 min Scan# 3755

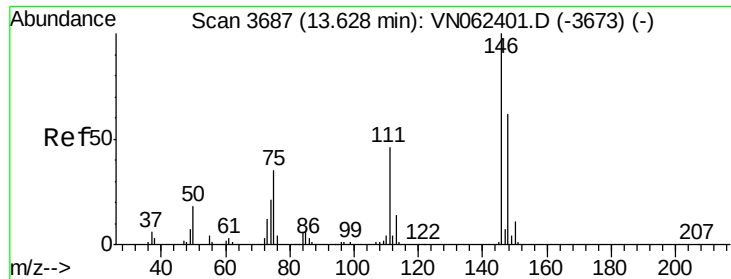
Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	117	Resp:	587
Ion	Ratio	Lower	Upper
117	100		
201	65.9	35.4	106.2





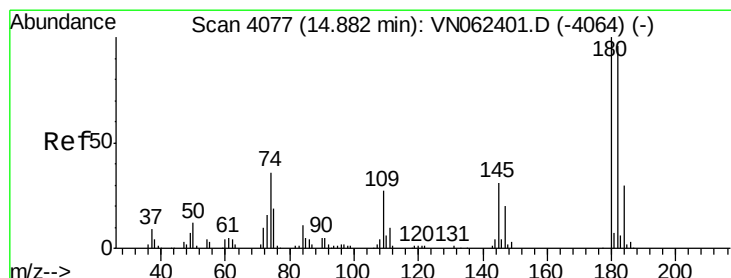
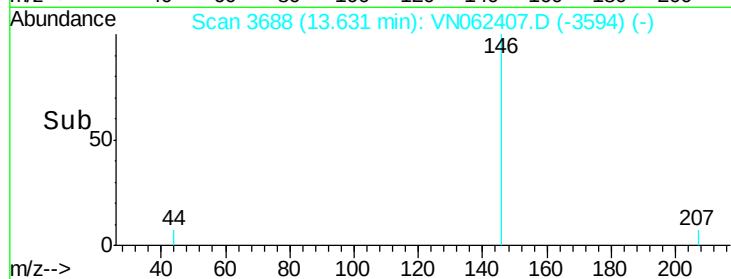
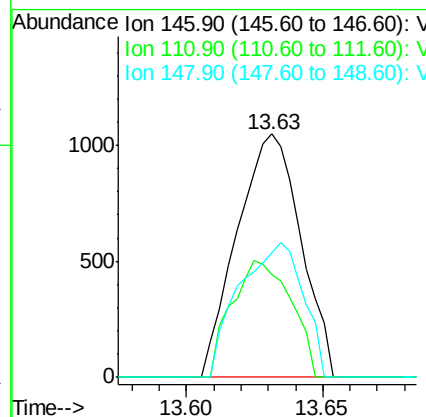
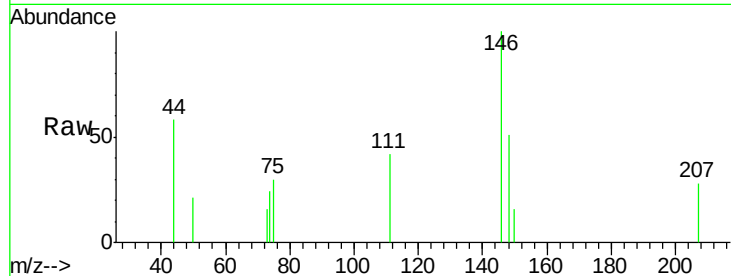
#91
 1,2-Dichlorobenzene
 Concen: 0.550 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.5	67.5
148	55.8	31.4	94.2

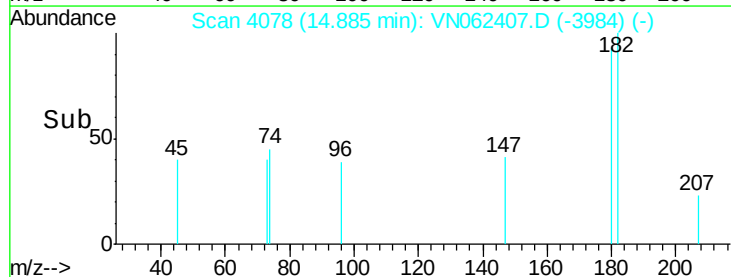
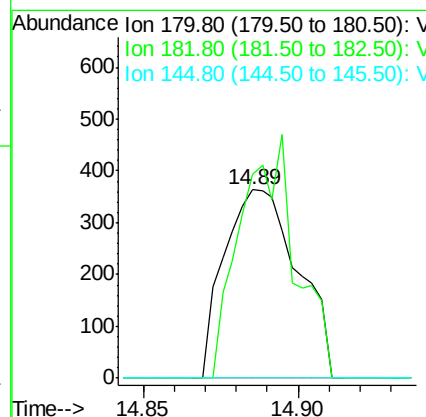
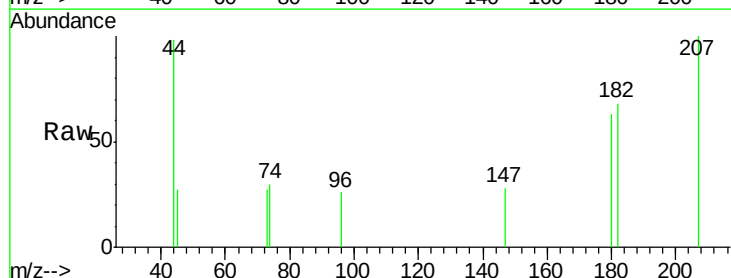
Manual Integrations
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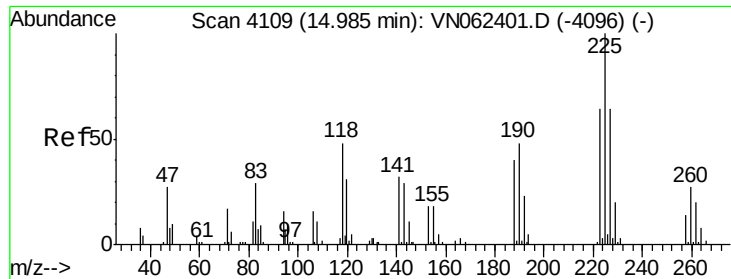
MMDadoda
 7/9/2020 10:55:01 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.434 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.2
145	0.0	15.5	46.5#





#94

Hexachlorobutadiene

Concen: 0.619 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Instrument :

MSVOA_N

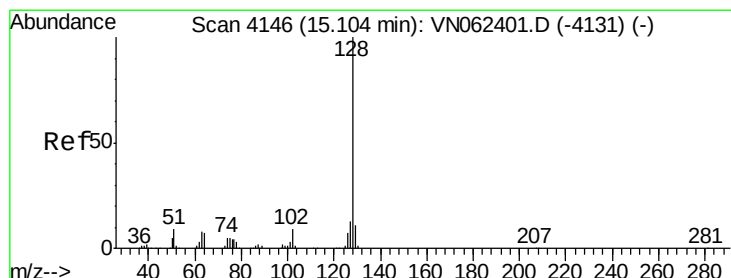
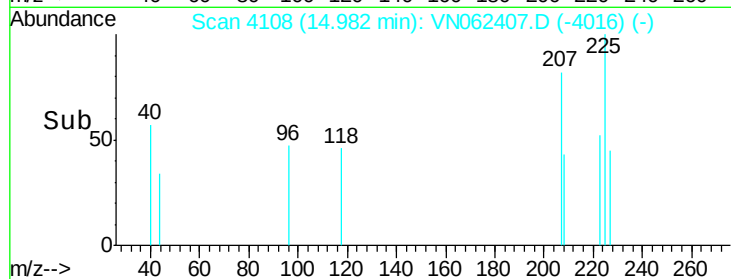
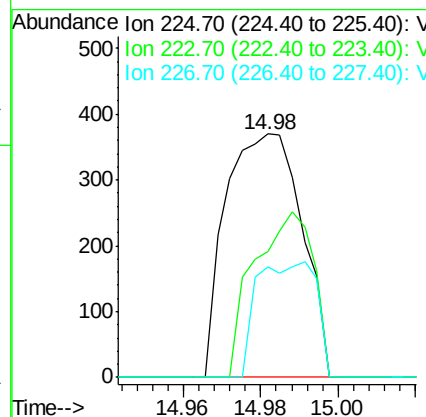
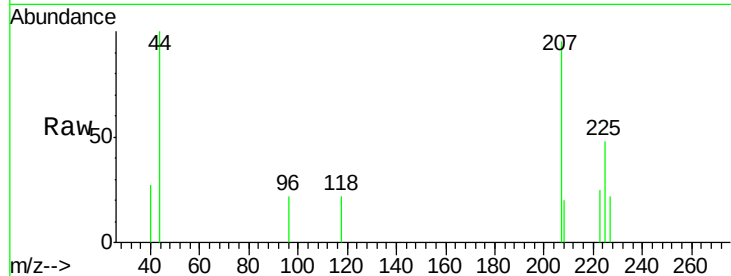
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	225	Resp:	506
Ion Ratio	Lower	Upper	
225	100		
223	53.0	32.3	96.8
227	37.2	31.9	95.7

Manual Integrations
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#95

Naphthalene

Concen: 0.483 ug/l

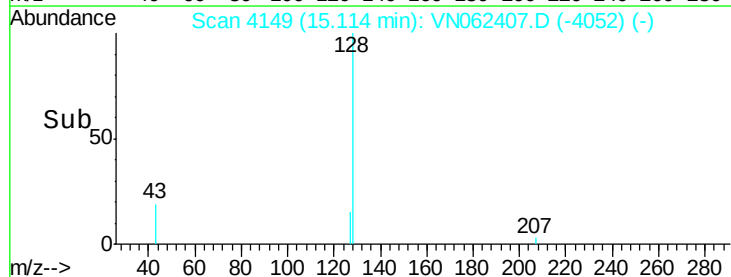
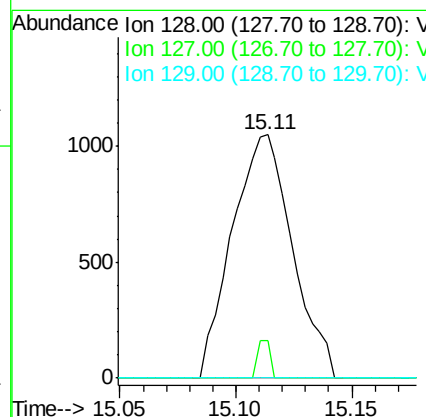
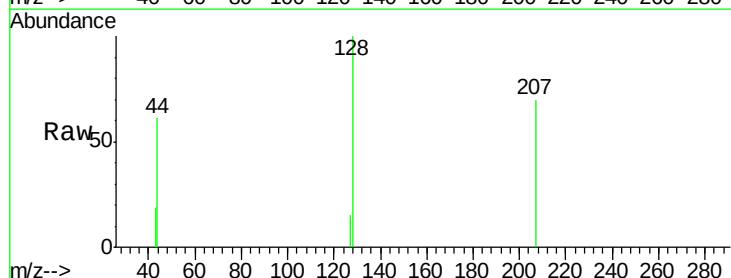
RT: 15.11 min Scan# 4149

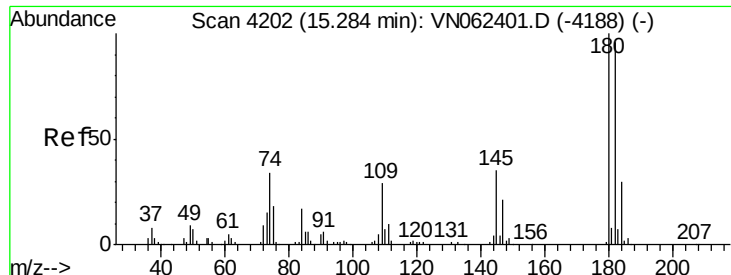
Delta R.T. 0.01 min

Lab File: VN062407.D

Acq: 8 Jul 2020 15:01

Tgt Ion:	128	Resp:	1893
Ion Ratio	Lower	Upper	
128	100		
127	3.3	10.2	15.2#
129	0.0	8.6	12.8#





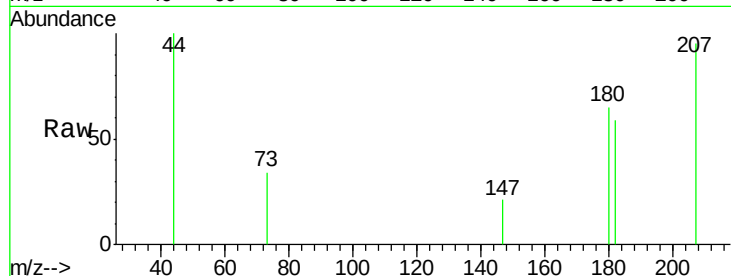
#96
 1,2,3-Trichlorobenzene
 Concen: 0.564 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN062407.D
 Acq: 8 Jul 2020 15:01

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.6	47.8	143.4
145	0.0	17.0	50.9#

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:01 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

