

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064197.D
 Acq On : 20 Oct 2020 15:55
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:48 PM

Quant Time: Oct 21 05:48:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	49778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	284136	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	251383	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130785	32.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.97%
60) 4-Bromofluorobenzene	12.38	95	131162	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	10.06	98	338300	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	7153	2.094 ug/l	87
3) Chloromethane	2.04	50	9162	2.618 ug/l	100
4) Vinyl Chloride	2.17	62	8254	2.397 ug/l #	87
5) Bromomethane	2.54	94	6779	3.291 ug/l	82
6) Chloroethane	2.67	64	5548	2.766 ug/l	99
7) Trichlorofluoromethane	2.98	101	15066	2.726 ug/l	99
8) Diethyl Ether	3.38	74	5978	3.185 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8440	2.893 ug/l	91
10) 1,1-Dichloroethene	3.69	96	7217	2.541 ug/l #	74
11) Methyl Iodide	3.92	142	9613m	2.348 ug/l	
12) Methyl Acetate	4.28	43	6429	2.147 ug/l #	89
13) Acrolein	3.57	56	3408	10.411 ug/l #	5
14) Acrylonitrile	4.93	53	17012m	14.101 ug/l	
15) Acetone	3.78	58	4671m	14.340 ug/l	
16) Carbon Disulfide	4.01	76	22340	2.750 ug/l	95
17) Allyl chloride	4.27	41	14270	2.702 ug/l	93
18) Methylene Chloride	4.51	84	9555	2.941 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	8251	2.693 ug/l	89
20) Diisopropyl ether	5.90	45	29550	3.028 ug/l	95
21) 1,1-Dichloroethane	5.80	63	17409	2.922 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	10246	2.861 ug/l #	54
23) tert-Butyl Alcohol	4.73	59	8740m	15.663 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	27084m	2.886 ug/l	
25) Chloroform	7.32	83	17555m	2.835 ug/l	
26) Cyclohexane	7.62	56	13040m	2.760 ug/l	
29) 1,1-Dichloropropene	7.75	75	13968	2.960 ug/l	86
30) 2-Butanone	6.79	43	27994m	14.386 ug/l	
31) 2,2-Dichloropropane	6.77	77	16669	2.783 ug/l #	77
32) 1,1,1-Trichloroethane	7.52	97	16551m	2.753 ug/l	
33) Carbon Tetrachloride	7.74	117	16241m	2.963 ug/l	
34) Benzene	8.00	78	36184	2.754 ug/l #	34
35) Methacrylonitrile	7.12	41	4898	2.295 ug/l	81
36) 1,2-Dichloroethane	8.08	62	15529	2.922 ug/l	96
37) Trichloroethene	8.80	130	9496	2.625 ug/l	88
38) Methylcyclohexane	9.05	83	11657	2.583 ug/l	92
39) 1,2-Dichloropropane	9.09	63	9751	2.781 ug/l	93
40) Dibromomethane	9.18	93	7161	2.935 ug/l	94

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

41) Bromodichloromethane	9.37	83	15483	2.932	ug/l #	90
42) Vinyl Acetate	5.84	43	129060m	13.971	ug/l	
43) Ethyl Acetate	6.87	43	11369m	2.675	ug/l	
44) Isopropyl Acetate	8.13	43	27544m	3.376	ug/l	
45) 1,4-Dioxane	9.17	88	2339m	49.016	ug/l	
46) Methyl methacrylate	9.16	41	10826	2.796	ug/l	90
47) n-amyl Acetate	12.04	43	17923	2.476	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	16220	2.724	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	17879	2.906	ug/l	93
50) 1,1,2-Trichloroethane	10.53	97	9243	2.828	ug/l #	93
51) Ethyl methacrylate	10.40	69	13791	2.668	ug/l	86
52) 1,3-Dichloropropane	10.68	76	15540	2.758	ug/l	100
53) Dibromochloromethane	10.87	129	10806	2.627	ug/l	96
54) 1,2-Dibromoethane	10.97	107	9373	2.698	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	29855	11.753	ug/l	99
56) Bromoform	12.10	173	7704	2.689	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	60367	14.171	ug/l	99
59) 2-Hexanone	10.72	43	43119	13.635	ug/l	100
61) Tetrachloroethene	10.60	164	10533	3.108	ug/l	97
62) Toluene	10.12	91	39879	2.775	ug/l	99
64) Chlorobenzene	11.41	112	24489	2.736	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	9393	2.679	ug/l	94
66) Ethyl Benzene	11.49	91	44691	2.705	ug/l	97
67) m/p-Xylenes	11.59	106	32713	5.324	ug/l	92
68) o-Xylene	11.92	106	15582	2.613	ug/l	96
69) Styrene	11.94	104	26880	2.664	ug/l	96
70) Isopropylbenzene	12.22	105	44340	2.816	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	10661	2.470	ug/l	82
72) 1,2,3-Trichloropropane	12.52	75	11249m	2.498	ug/l	
73) Bromobenzene	12.50	156	9488	2.498	ug/l	80
74) n-propylbenzene	12.57	91	45475	2.530	ug/l	100
75) 2-Chlorotoluene	12.65	91	32077	2.883	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	36559	2.728	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	4850	2.755	ug/l	89
78) 4-Chlorotoluene	12.75	91	29391	2.525	ug/l	97
79) tert-butylbenzene	12.97	119	29255	2.670	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	37862	2.783	ug/l	94
81) sec-Butylbenzene	13.14	105	37114	2.604	ug/l	97
82) p-Isopropyltoluene	13.26	119	34784	2.637	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	18159	2.668	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	17639	2.588	ug/l	98
85) n-Butylbenzene	13.59	91	29535	2.522	ug/l	98
86) Hexachloroethane	13.85	117	5752	2.533	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	17555	2.644	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	2882	2.637	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	9091	2.280	ug/l	97
90) Hexachlorobutadiene	14.98	225	4803	2.377	ug/l	90
91) Naphthalene	15.11	128	27394	2.267	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	8738	2.292	ug/l	94

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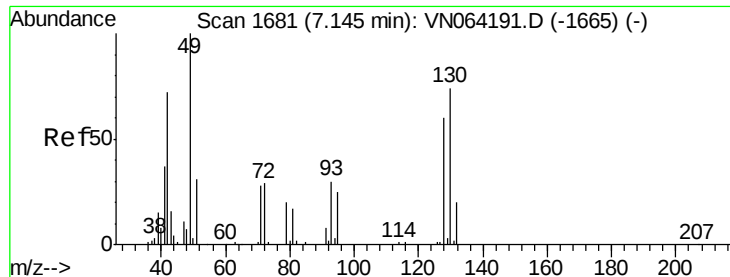
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

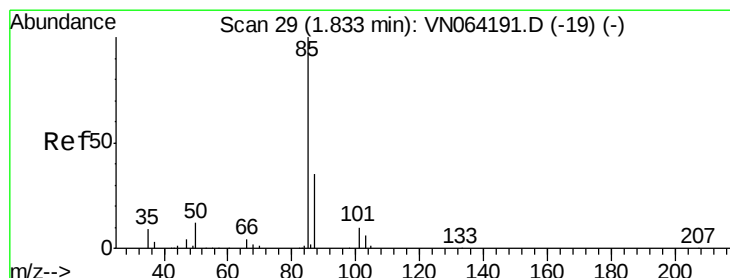
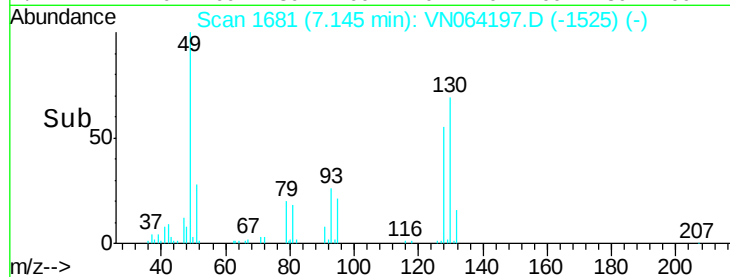
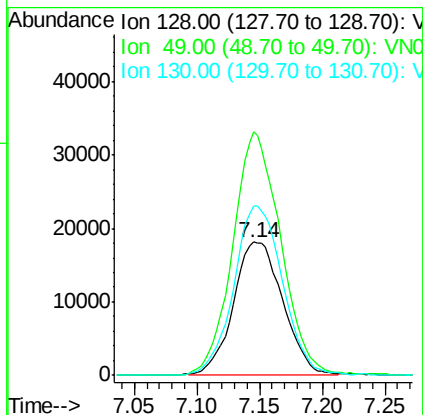
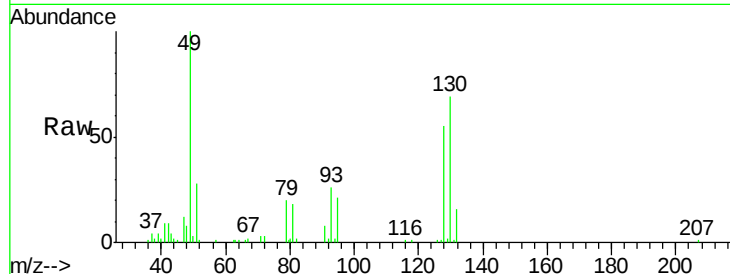
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	128	Resp:	49778
Ion	Ratio	Lower	Upper
128	100		
49	176.4	0.0	433.3
130	125.6	0.0	322.5

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#2

Dichlorodifluoromethane

Concen: 2.094 ug/l

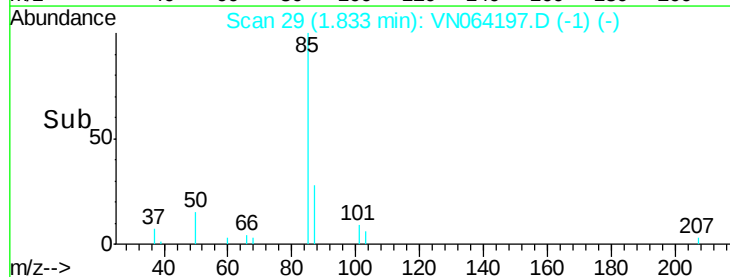
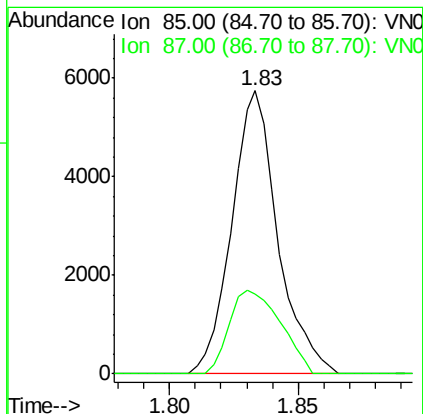
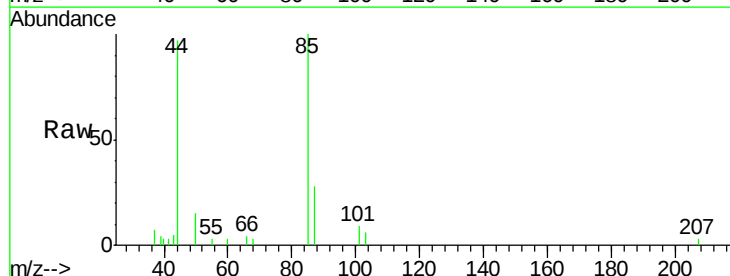
RT: 1.83 min Scan# 29

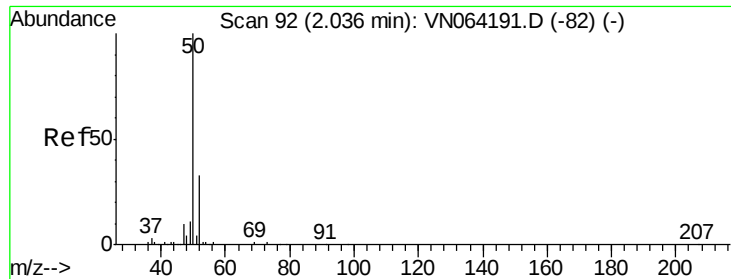
Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	85	Resp:	7153
Ion	Ratio	Lower	Upper
85	100		
87	28.1	17.8	53.3





#3

Chloromethane

Concen: 2.618 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 9162

Ion Ratio Lower Upper

50 100

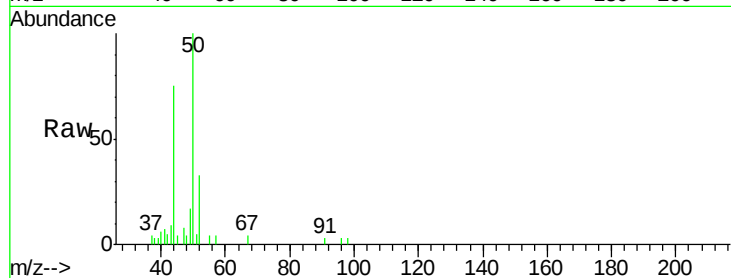
52 33.4 26.6 40.0

Manual Integrations

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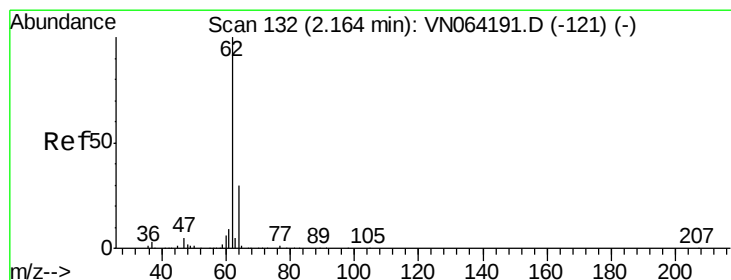
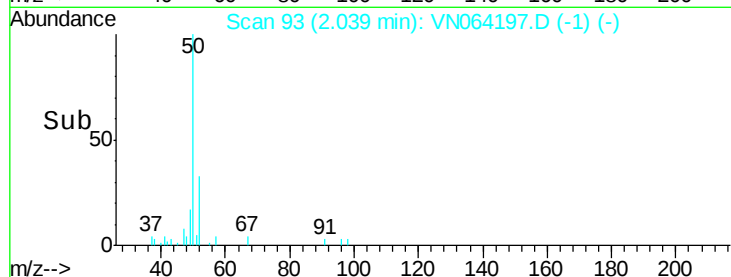
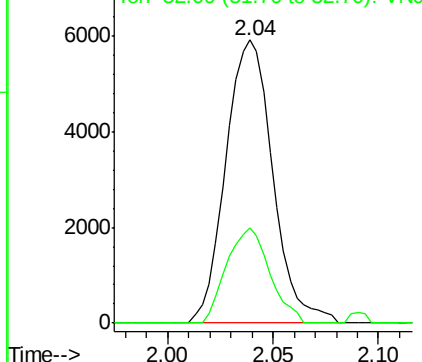
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 2.397 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064197.D

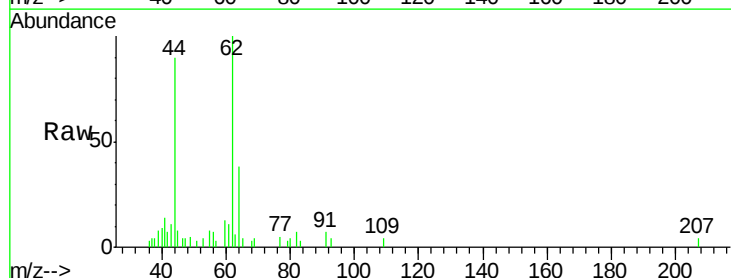
Acq: 20 Oct 2020 15:55

Tgt Ion: 62 Resp: 8254

Ion Ratio Lower Upper

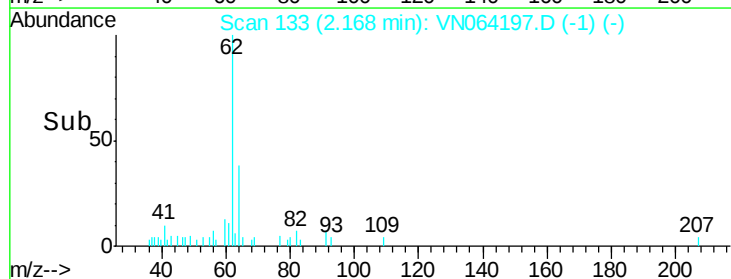
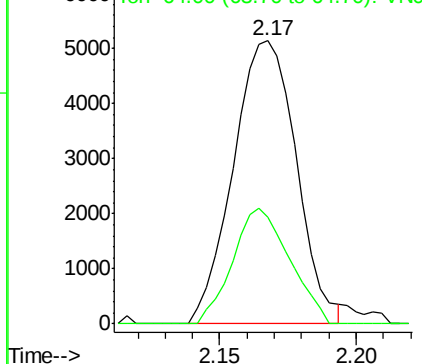
62 100

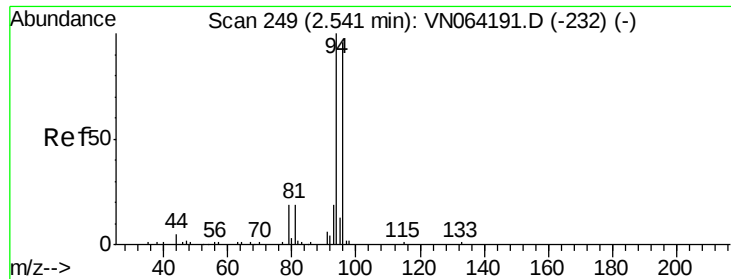
64 37.8 24.4 36.6#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 3.291 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 6779

Ion Ratio Lower Upper

94 100

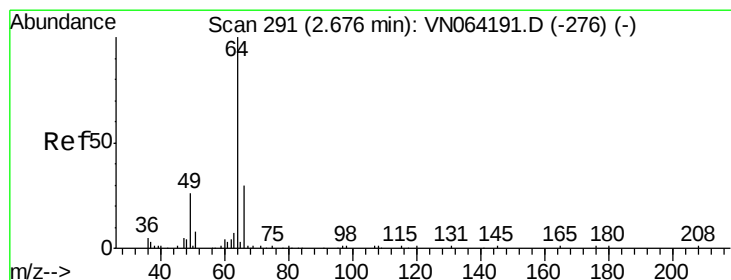
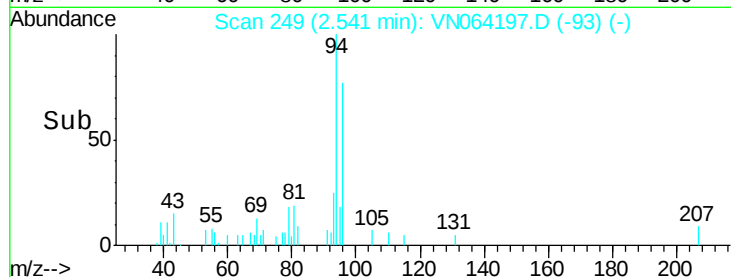
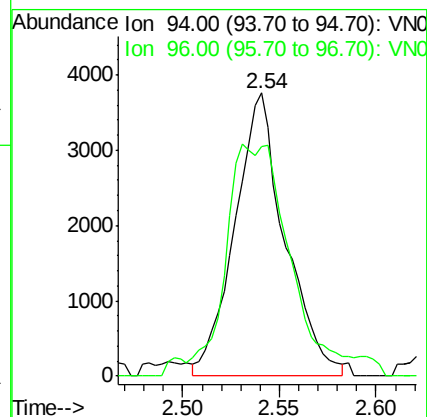
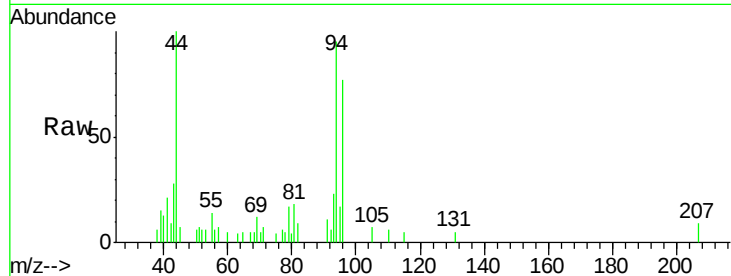
96 77.9 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 2.766 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN064197.D

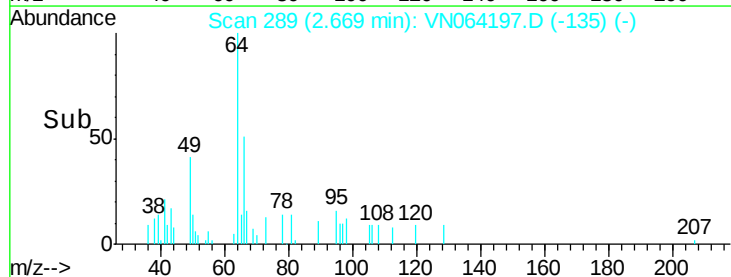
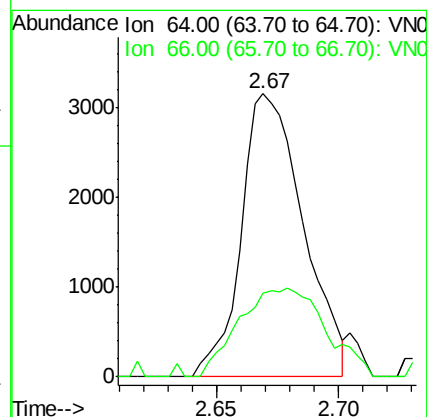
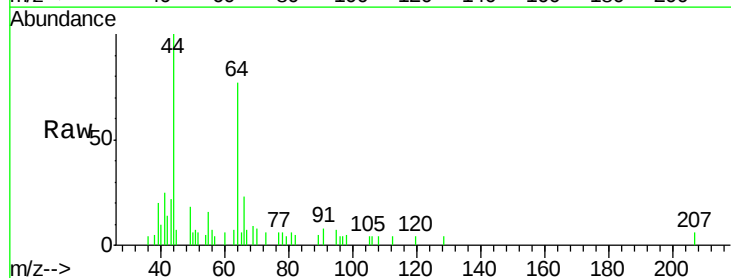
Acq: 20 Oct 2020 15:55

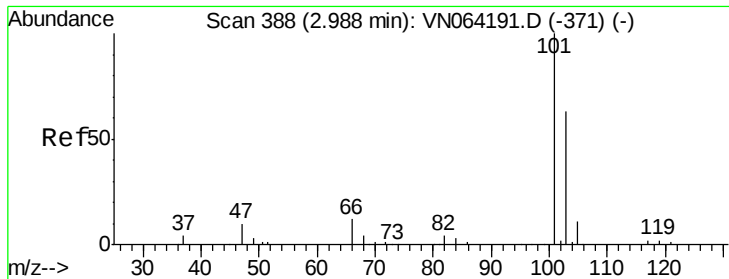
Tgt Ion: 64 Resp: 5548

Ion Ratio Lower Upper

64 100

66 29.7 24.3 36.5





#7

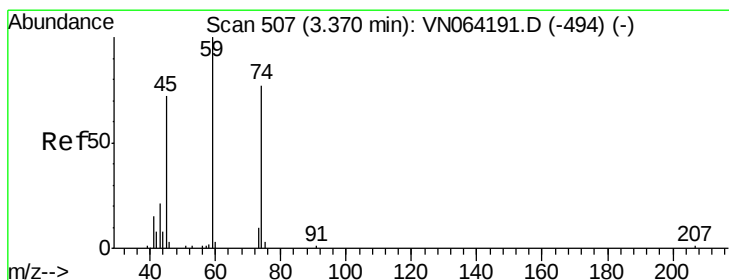
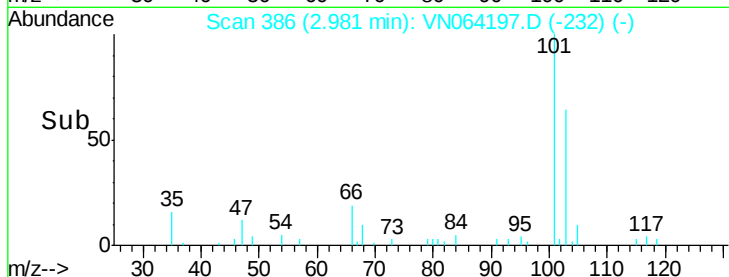
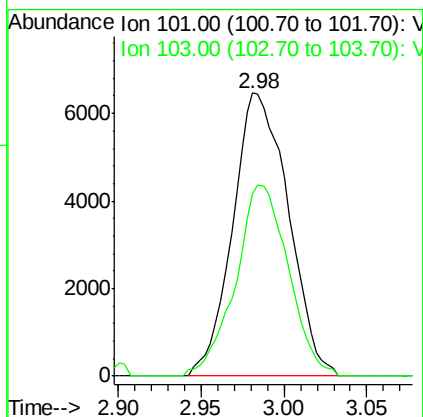
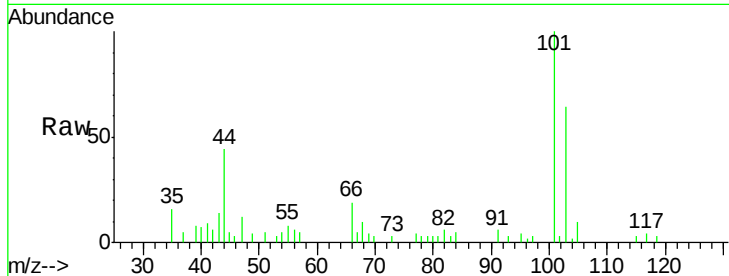
Trichlorofluoromethane
Concen: 2.726 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

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Tot Ion:101 Resp: 15066
Ion Ratio Lower Upper
101 100
103 62.9 50.7 76.1

Manual Integrations
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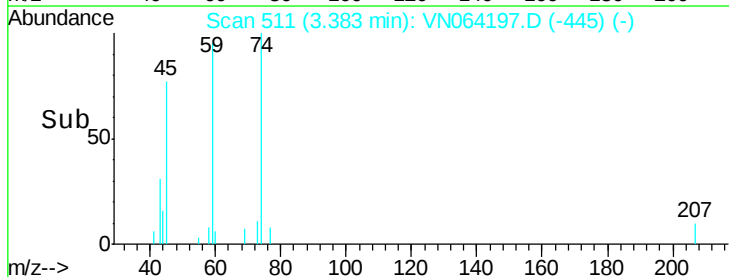
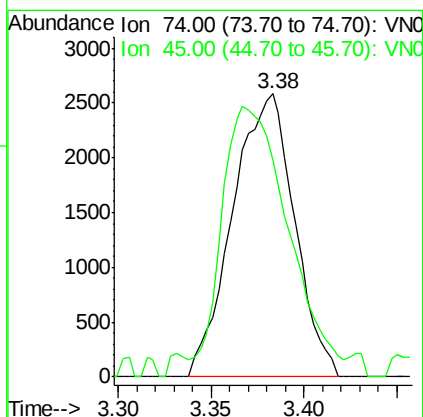
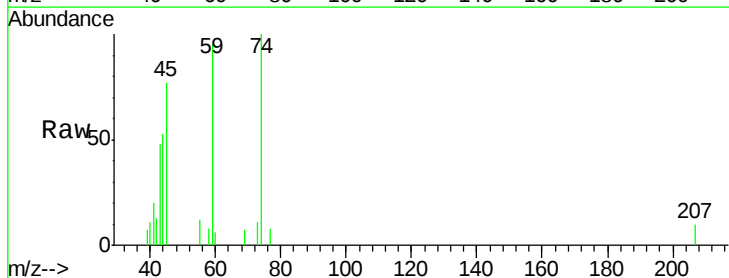
MMDadoda
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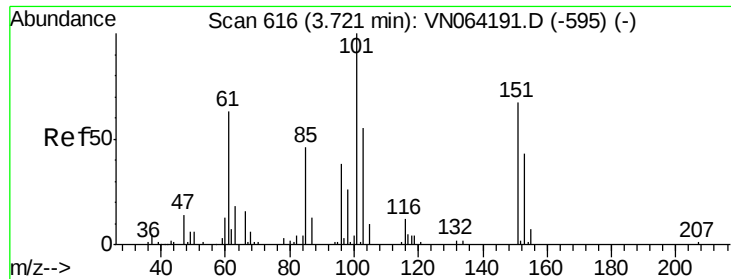


#8

Diethyl Ether
Concen: 3.185 ug/l
RT: 3.38 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 74 Resp: 5978
Ion Ratio Lower Upper
74 100
45 97.2 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.893 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

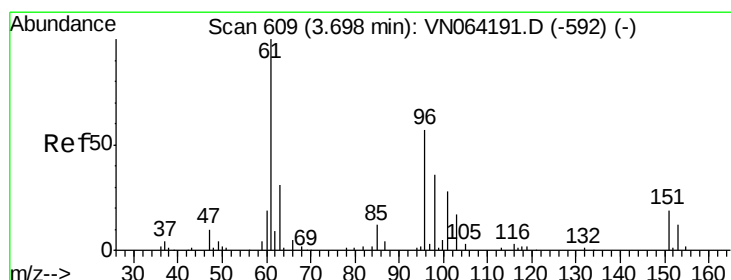
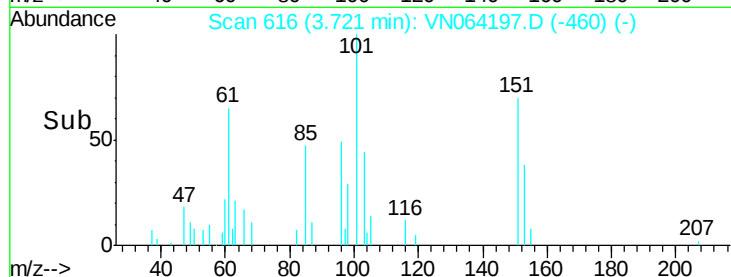
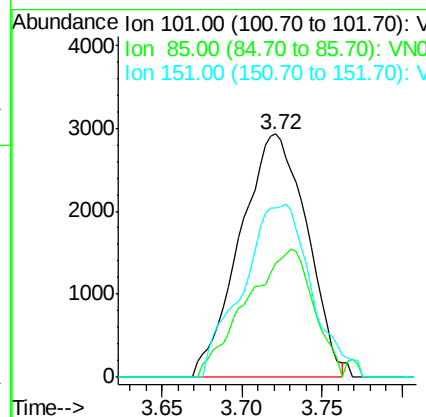
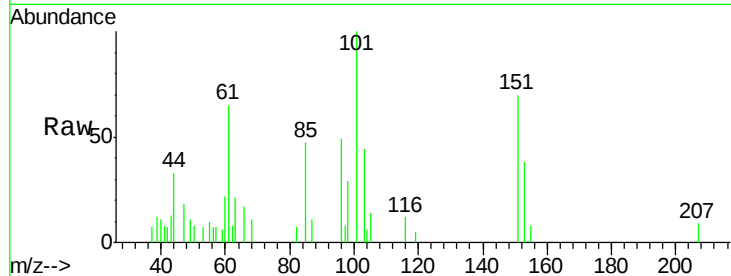
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	101	Resp:	8440
Ion Ratio	Lower	Upper	
101	100		
85	32.9	0.0	94.0
151	72.6	0.0	146.6

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#10

1,1-Dichloroethene

Concen: 2.541 ug/l

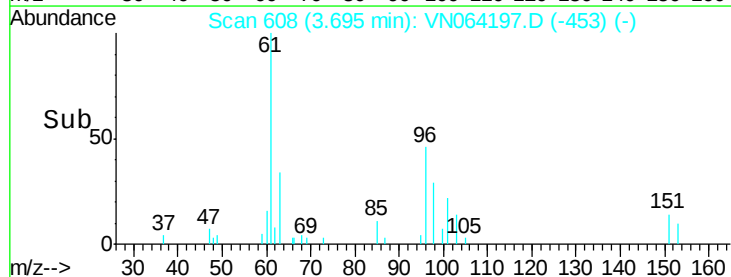
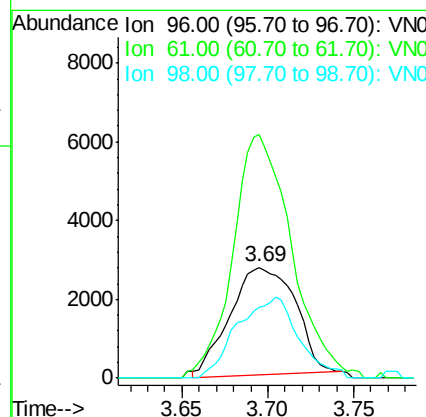
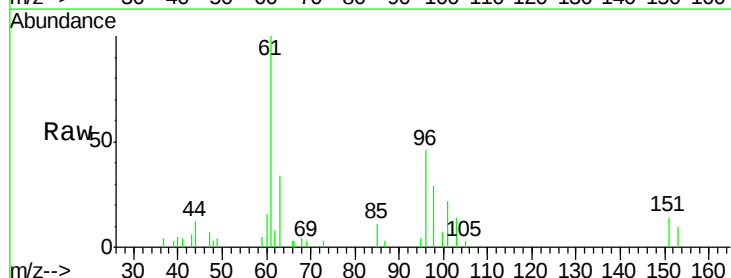
RT: 3.69 min Scan# 608

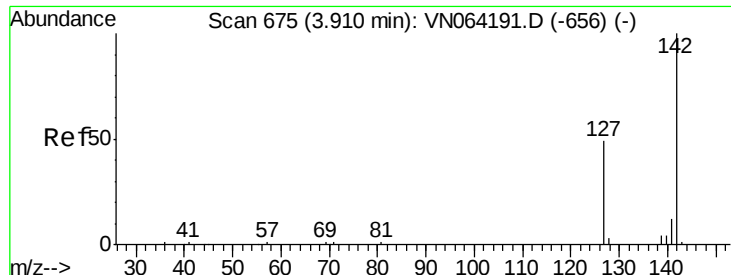
Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	96	Resp:	7217
Ion Ratio	Lower	Upper	
96	100		
61	224.5	141.0	211.4#
98	67.7	51.4	77.2





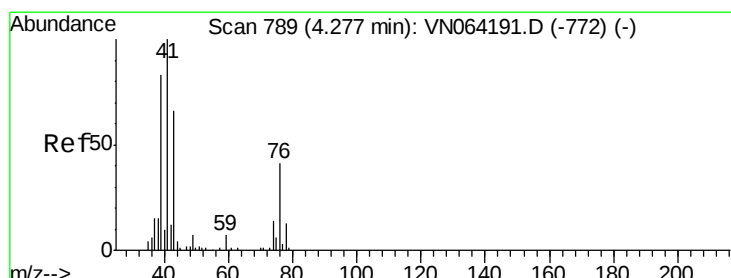
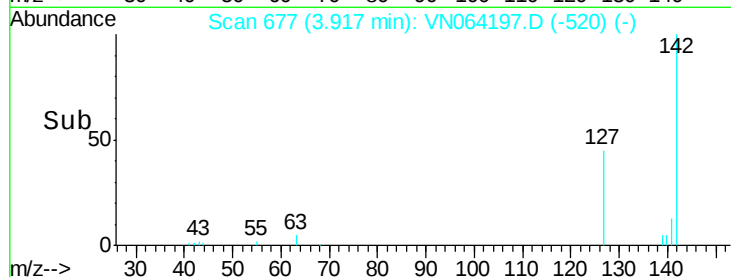
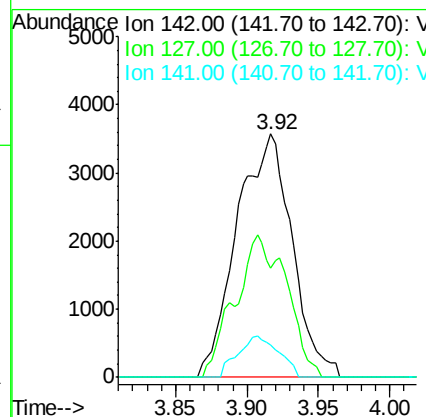
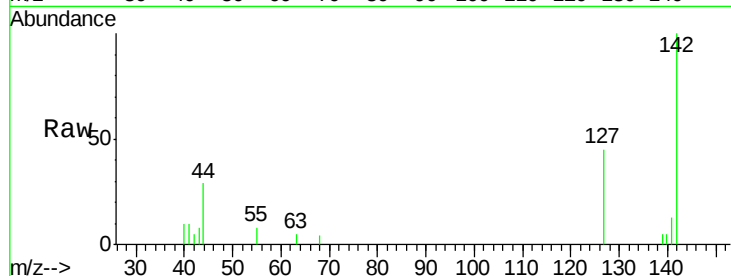
#11
Methvl Iodide
Concen: 2.348 ug/l m
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.9	24.5	73.5
141	13.2	6.0	18.1

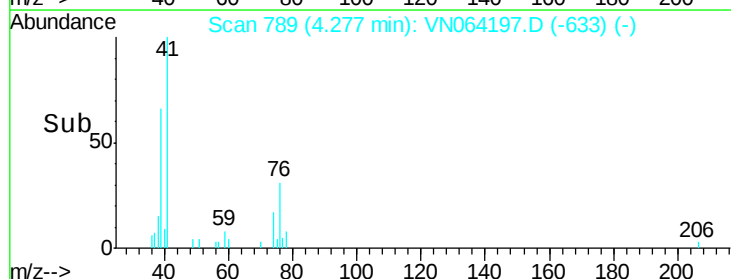
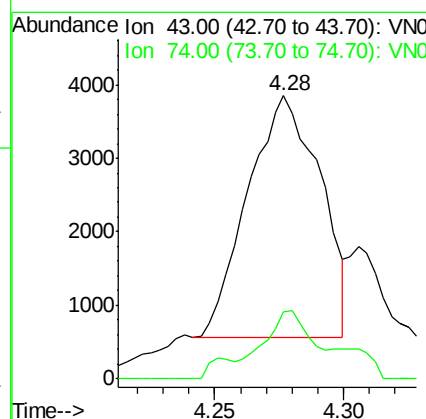
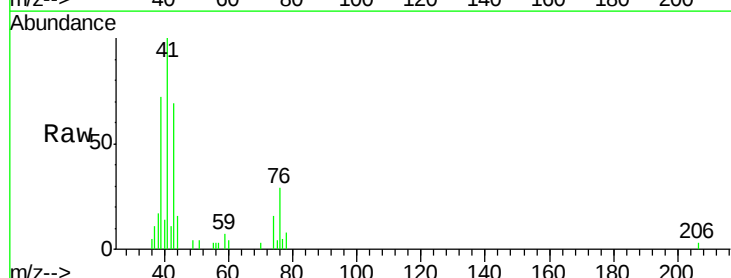
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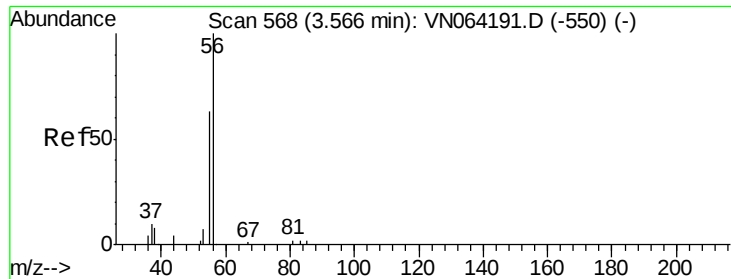
MMDadoda
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#12
Methyl Acetate
Concen: 2.147 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	16.2	24.2#





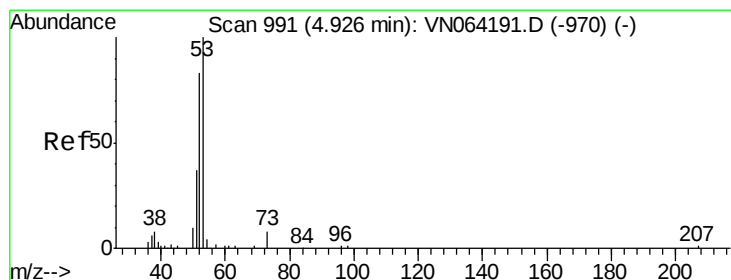
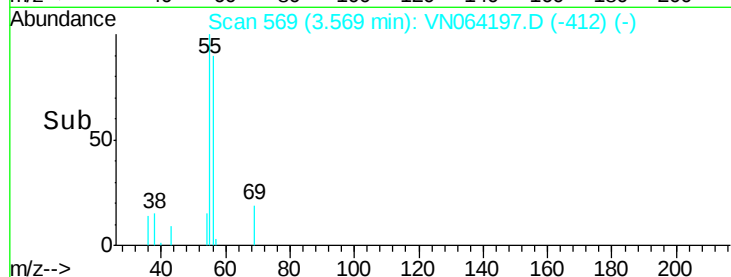
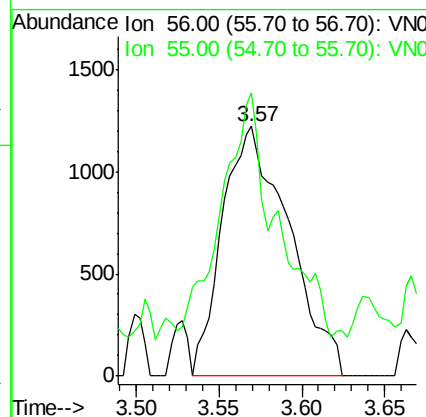
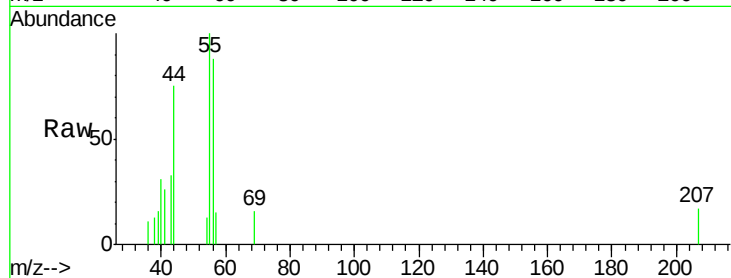
#13
 Acrolein
 Concen: 10.411 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 3408
 Ion Ratio Lower Upper
 56 100
 55 55.3 0.5 0.7#

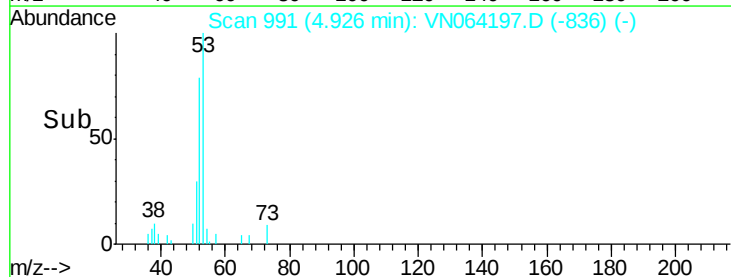
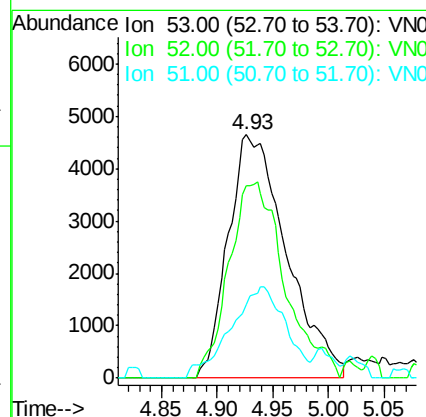
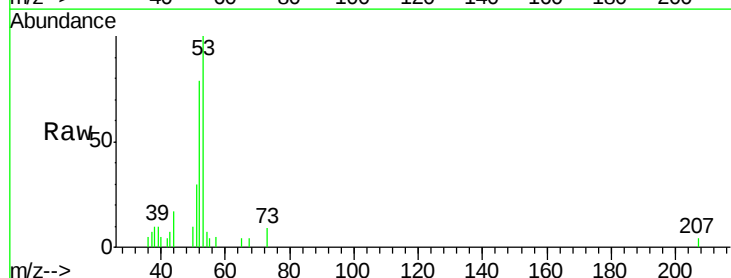
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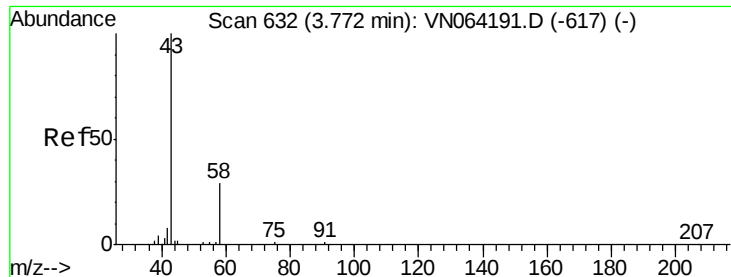
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#14
 Acrylonitrile
 Concen: 14.101 ug/l m
 RT: 4.93 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion: 53 Resp: 17012
 Ion Ratio Lower Upper
 53 100
 52 51.2 41.3 123.9
 51 28.7 18.1 54.1





#15

Acetone

Concen: 14.340 ug/l m

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 58 Resp: 4671

Ion Ratio Lower Upper

58 100

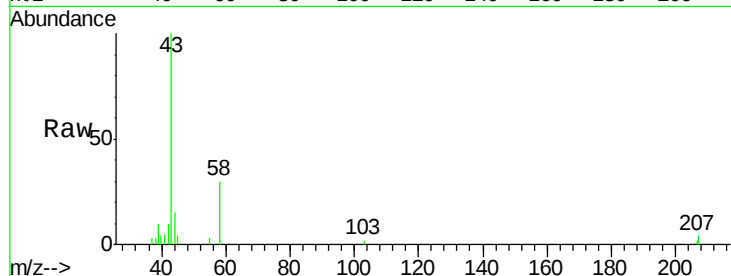
43 335.8 272.1 408.1

Manual Integrations

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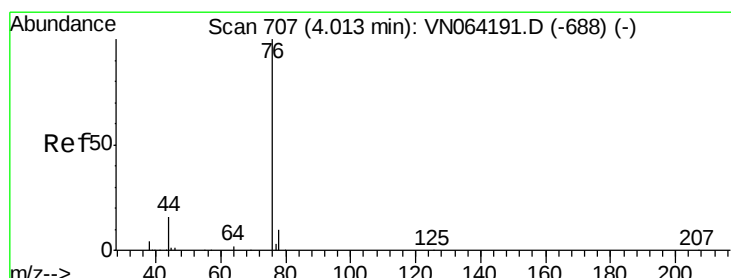
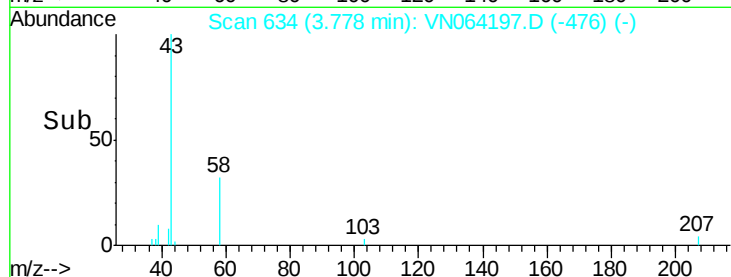
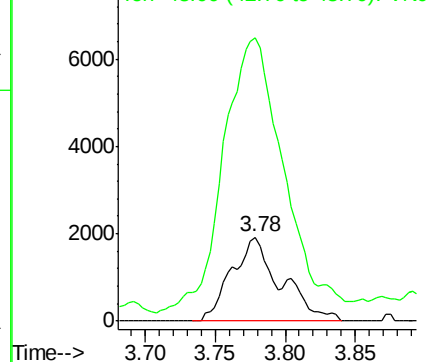
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 2.750 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064197.D

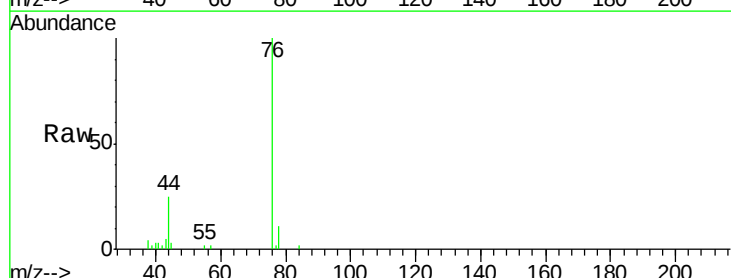
Acq: 20 Oct 2020 15:55

Tgt Ion: 76 Resp: 22340

Ion Ratio Lower Upper

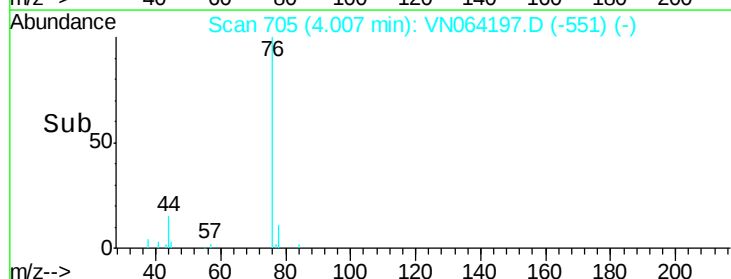
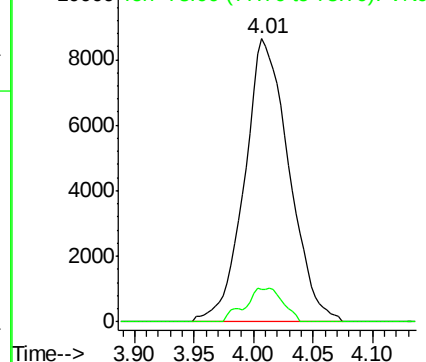
76 100

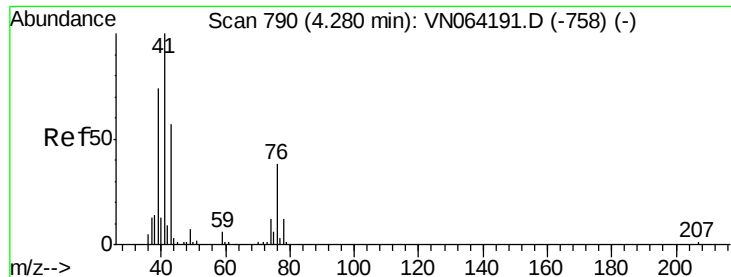
78 11.5 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 2.702 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

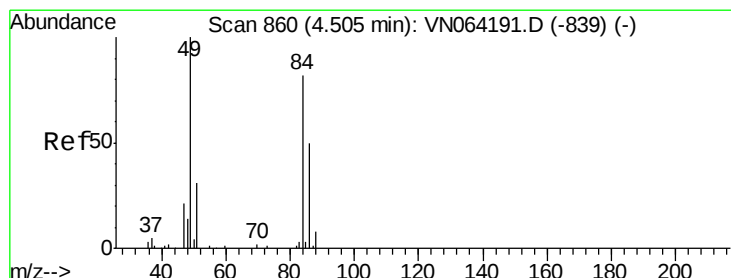
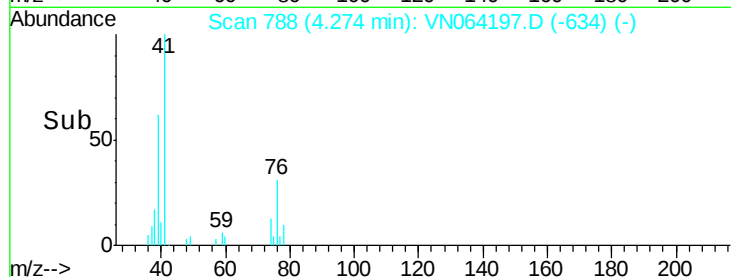
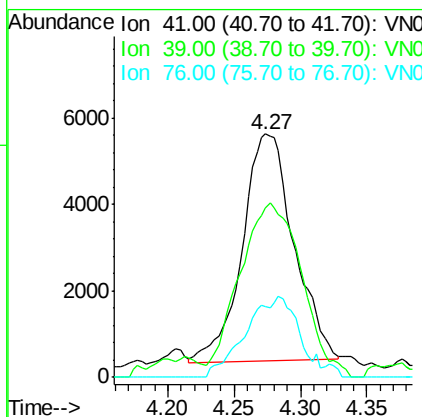
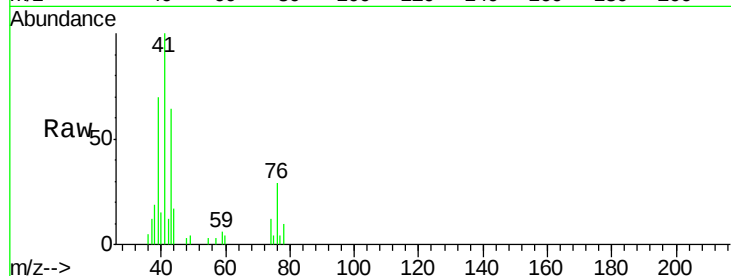
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	41	Resp:	14270
Ion	Ratio	Lower	Upper
41	100		
39	68.7	36.8	110.4
76	31.3	18.8	56.4

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#18

Methylene Chloride

Concen: 2.941 ug/l

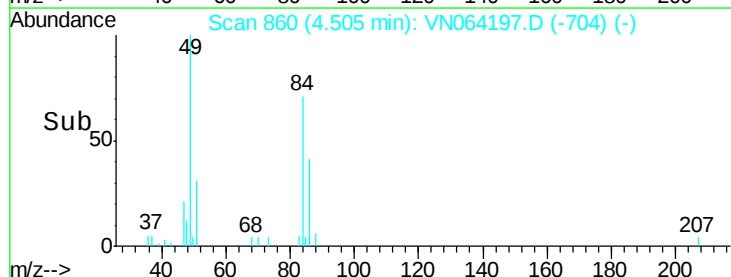
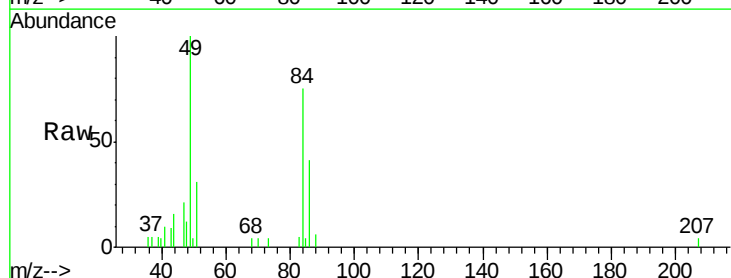
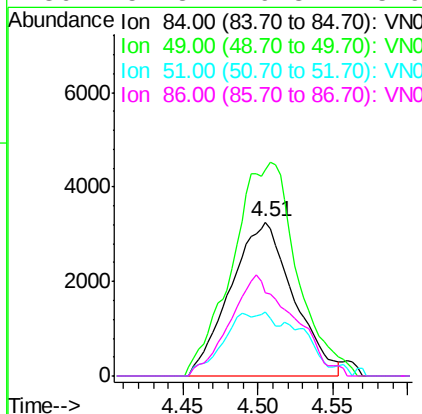
RT: 4.51 min Scan# 860

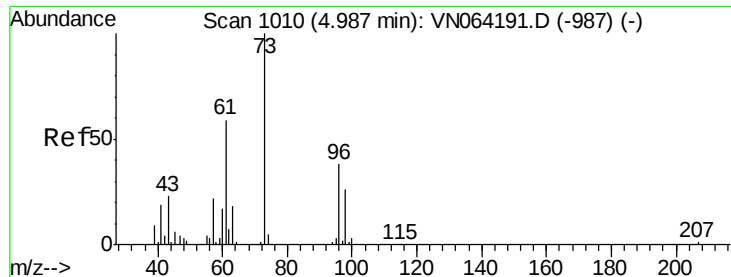
Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	84	Resp:	9555
Ion	Ratio	Lower	Upper
84	100		
49	128.3	97.6	146.4
51	41.3	31.1	46.7
86	54.3	49.3	73.9





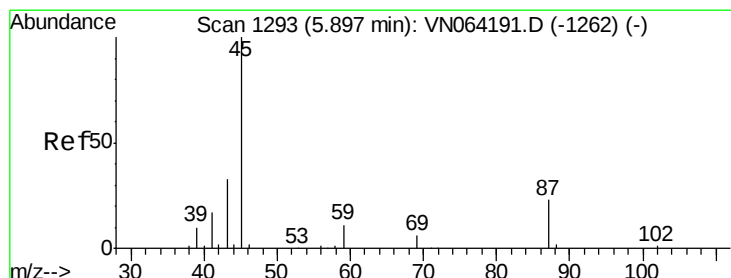
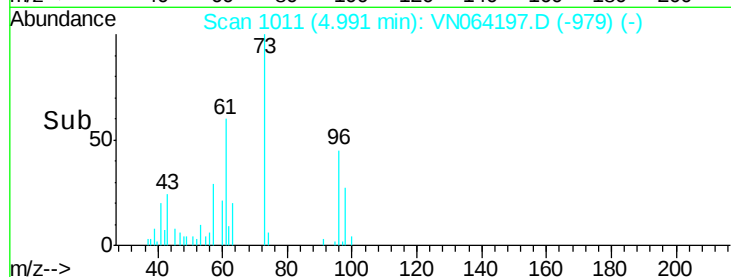
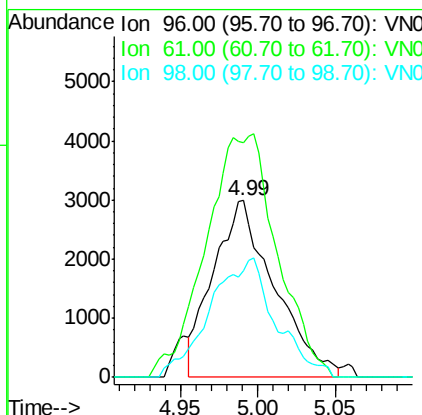
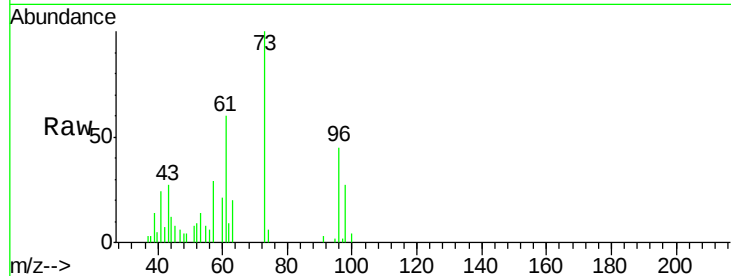
#19
trans-1,2-Dichloroethene
Concen: 2.693 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		8251		
61	140.4	125.5	188.3		
98	63.4	54.7	82.1		

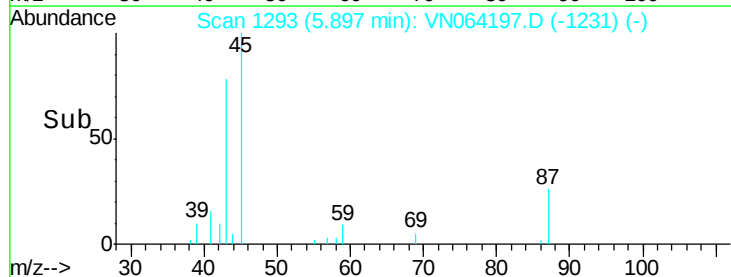
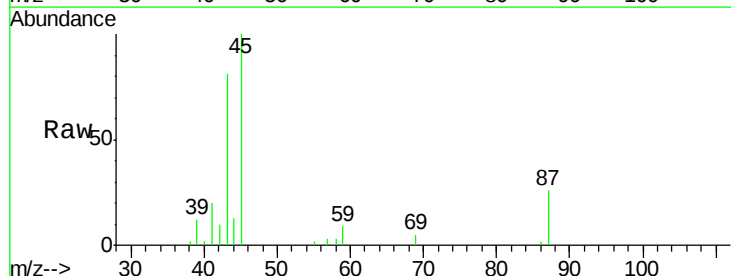
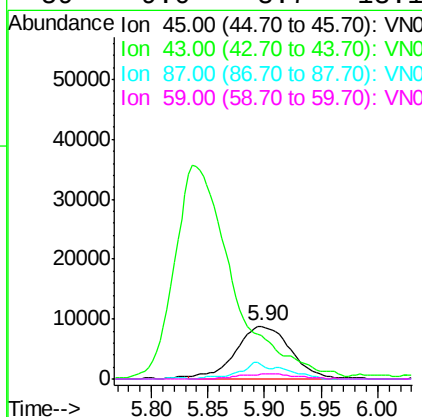
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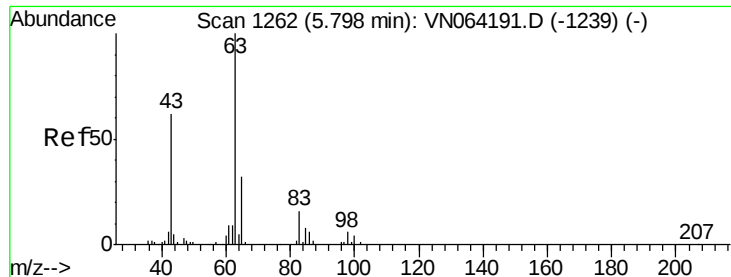
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#20
Diisopropyl ether
Concen: 3.028 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		29550		
43	73.4	55.1	82.7		
87	26.9	19.4	29.2		
59	9.0	8.7	13.1		





#21

1,1-Dichloroethane

Concen: 2.922 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

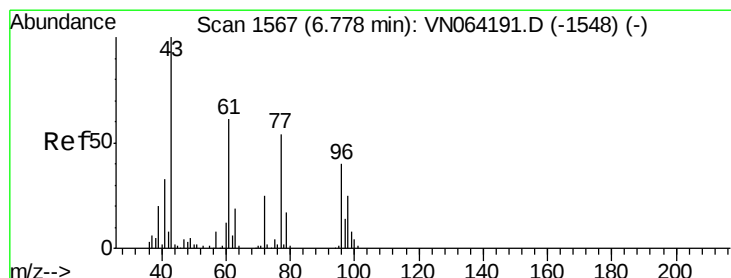
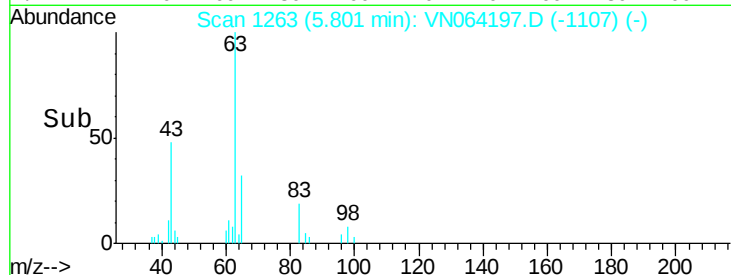
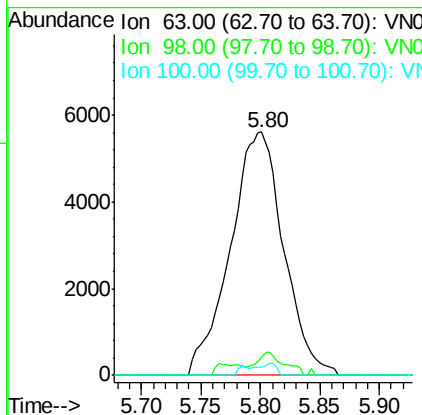
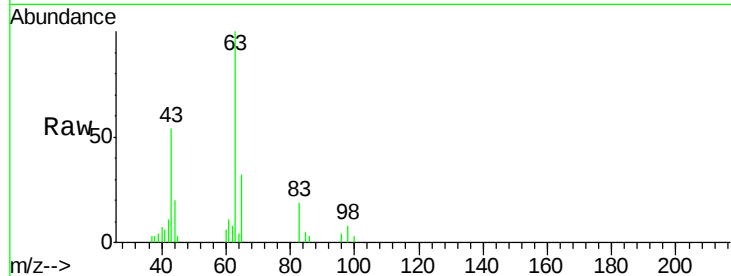
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	63	Resp:	17409
Ion Ratio	Lower	Upper	
63	100		
98	7.6	2.9	8.7
100	3.5	2.1	6.3

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#22

cis-1,2-Dichloroethene

Concen: 2.861 ug/l

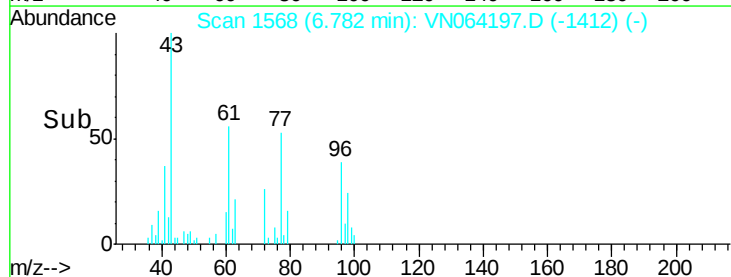
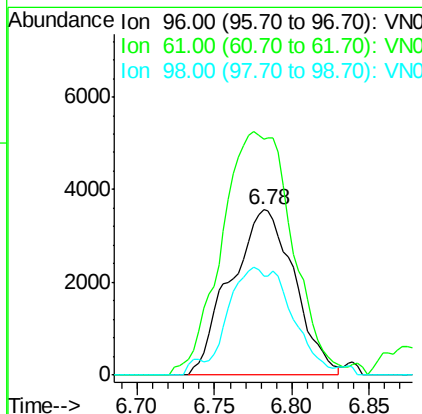
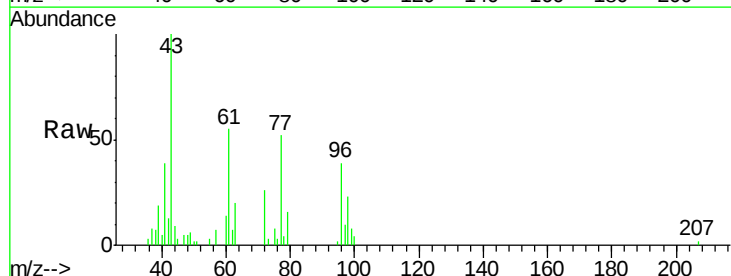
RT: 6.78 min Scan# 1568

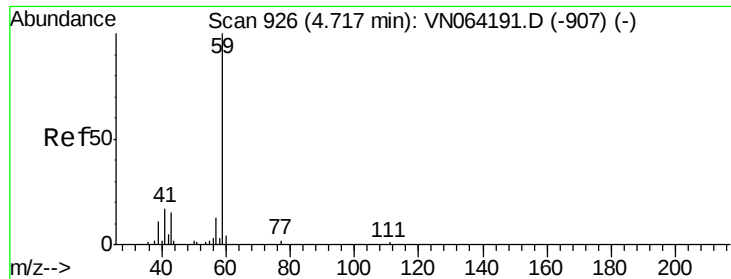
Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	96	Resp:	10246
Ion Ratio	Lower	Upper	
96	100		
61	97.1	126.2	189.4#
98	28.9	50.2	75.4#





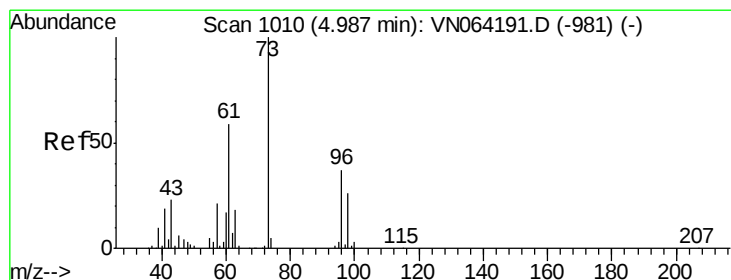
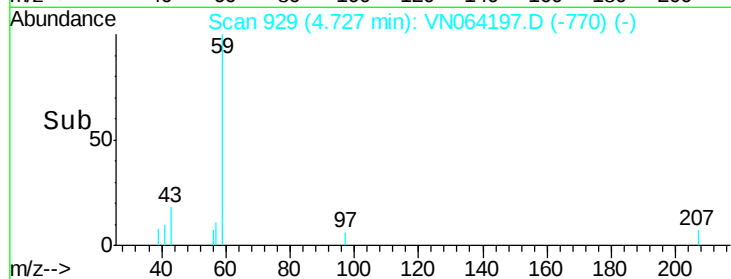
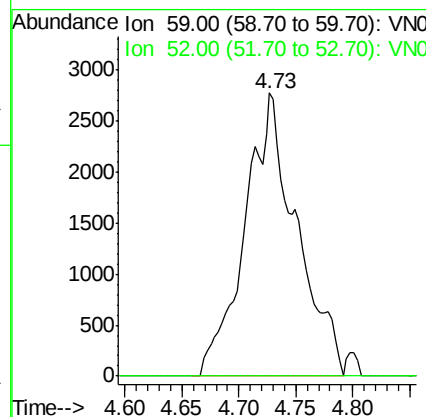
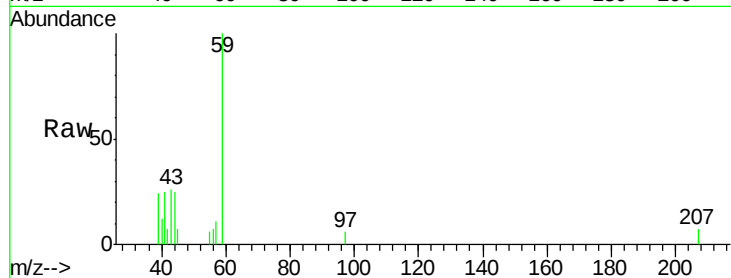
#23
tert-Butyl Alcohol
Concen: 15.663 ug/l m
RT: 4.73 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

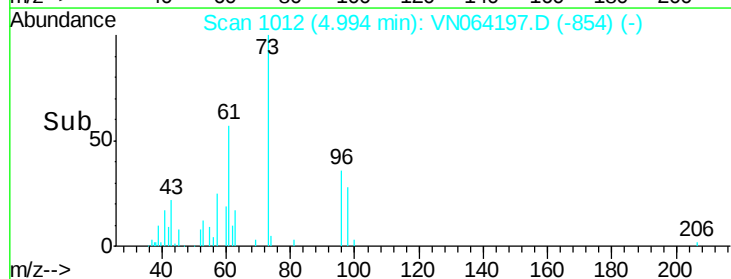
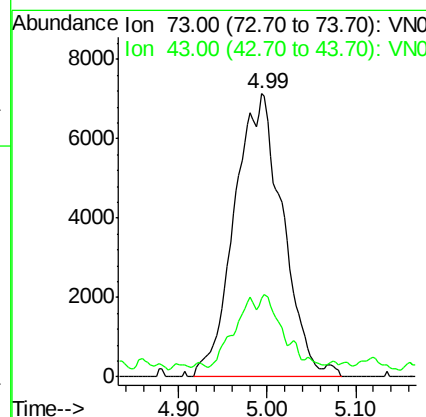
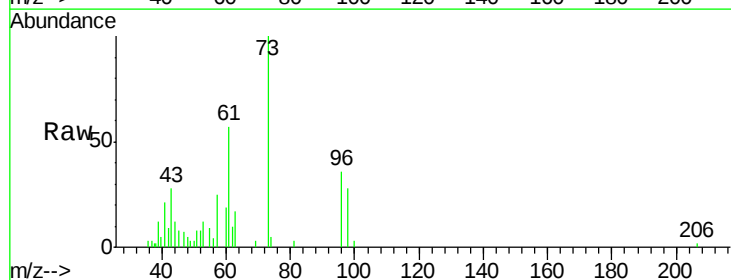
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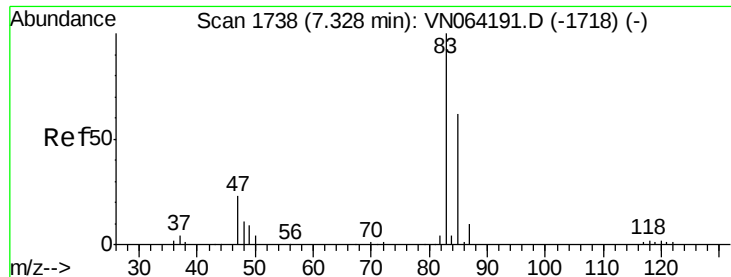
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 2.886 ug/l m
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.1	18.2	27.2





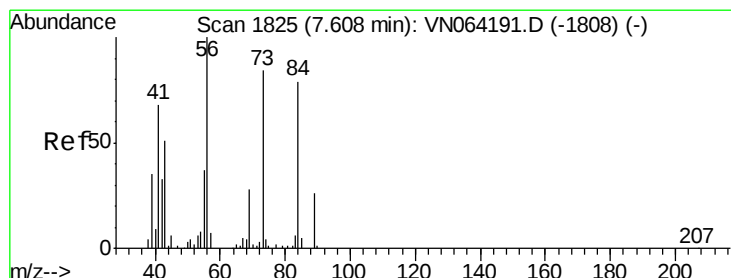
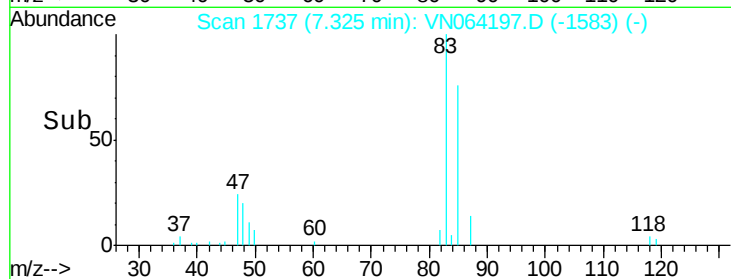
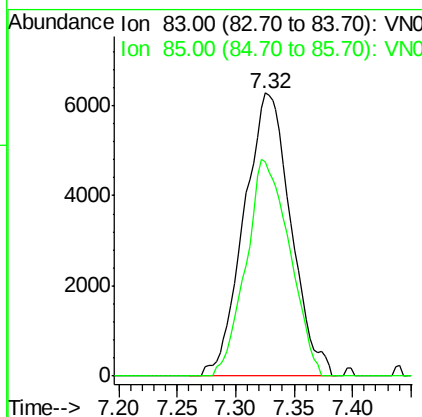
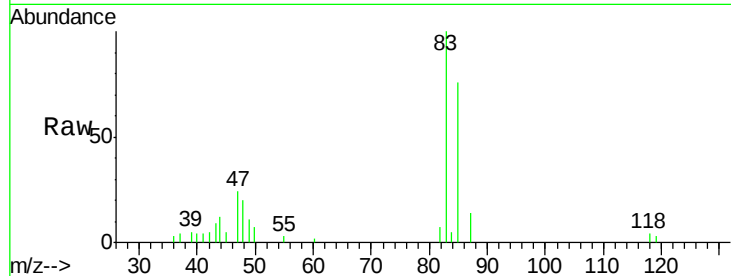
#25
Chloroform
Concen: 2.835 ug/l m
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	83	Resp	17555
Ion Ratio	100	Lower	Upper
83	100		
85	75.6	49.7	74.5#

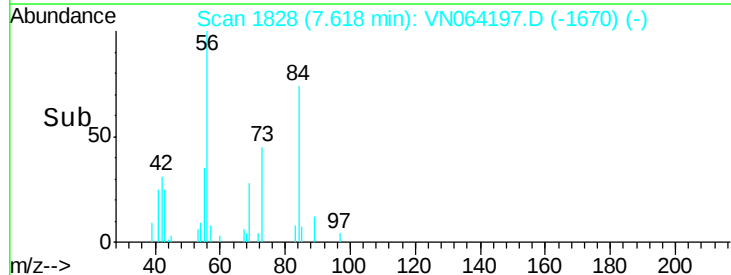
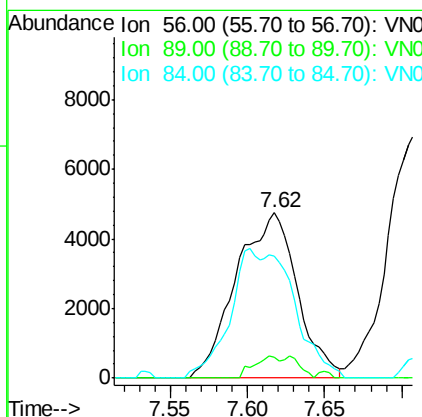
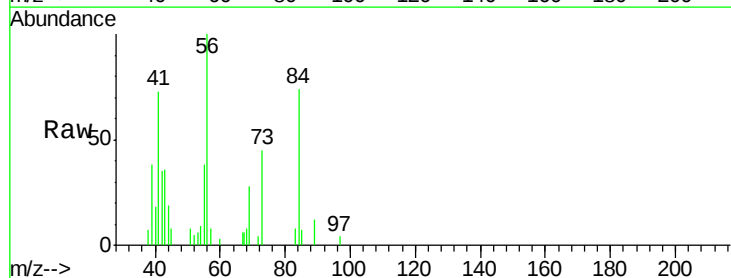
Manual Integrations
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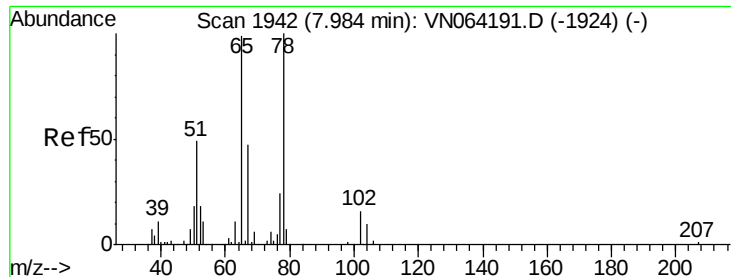
MMDadoda
10/23/2020 2:28:48 PM



#26
Cyclohexane
Concen: 2.760 ug/l m
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	56	Resp	13040
Ion Ratio	100	Lower	Upper
56	100		
89	0.8	21.4	32.0#
84	12.4	65.8	98.6#





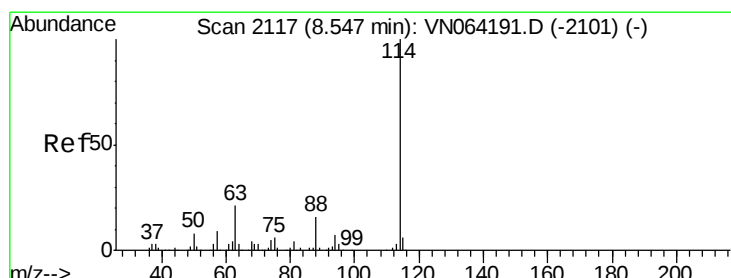
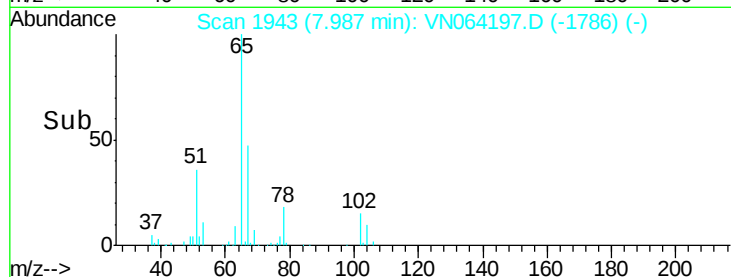
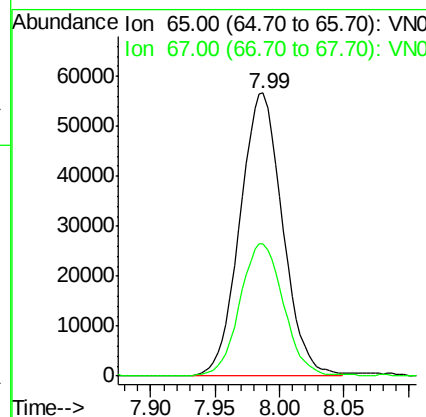
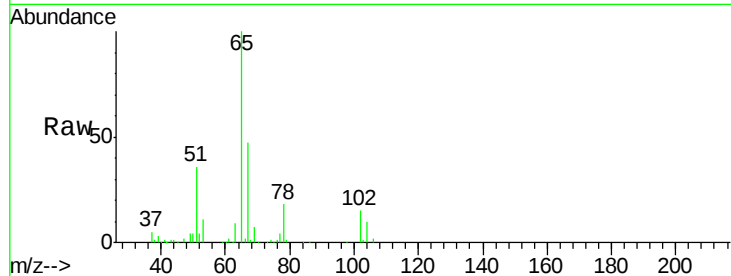
#27
 1,2-Dichloroethane-d4
 Concen: 32.091 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.7	39.8	59.6

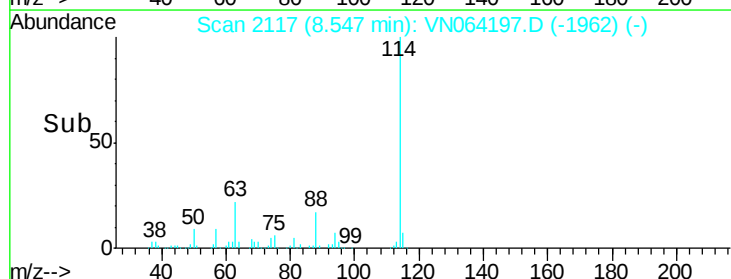
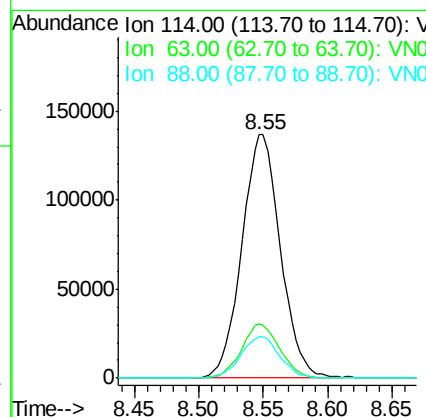
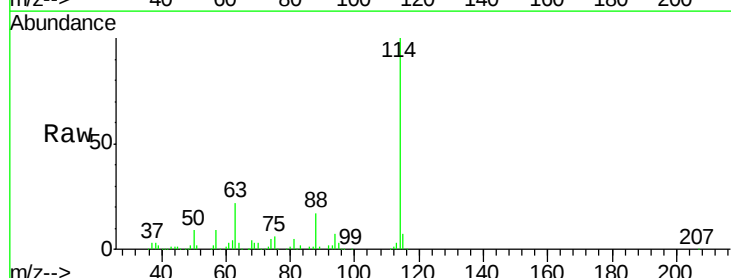
Manual Integrations
 APPROVED

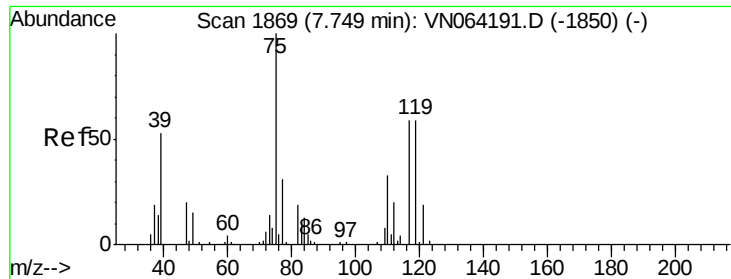
MMDadoda
 10/23/2020 2:28:48 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	17.0	25.4
88	17.1	13.0	19.4





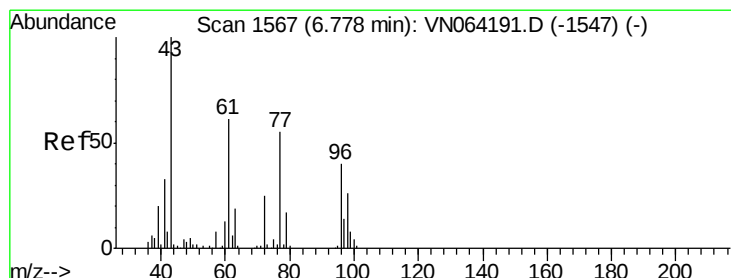
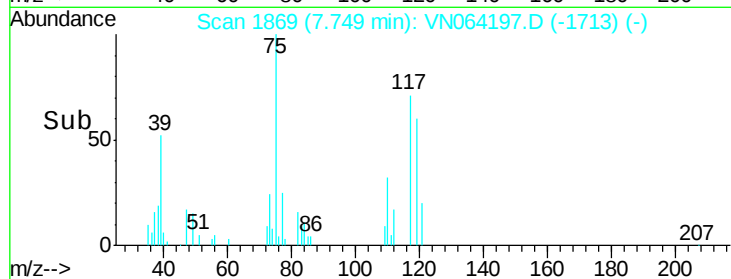
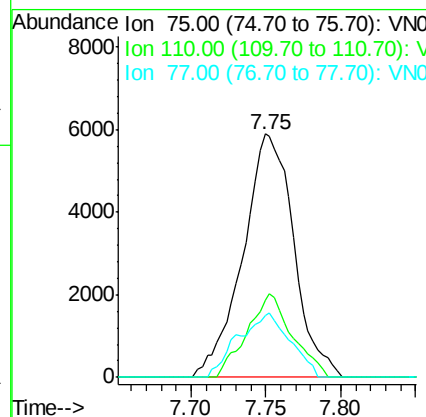
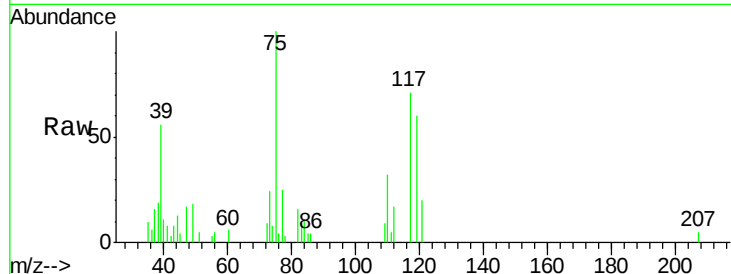
#29
 1,1-Dichloropropene
 Concen: 2.960 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.3	0.0	66.8	
77	19.3	0.0	63.6	

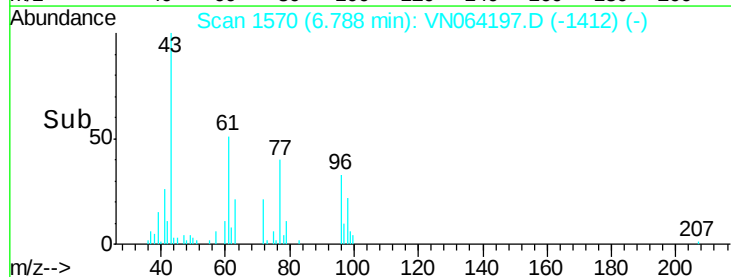
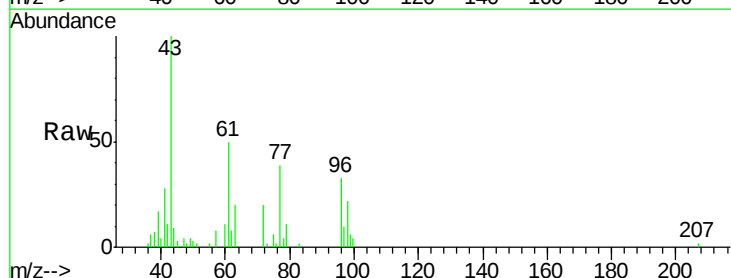
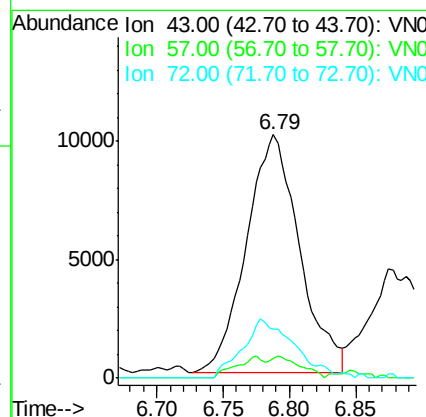
Manual Integrations
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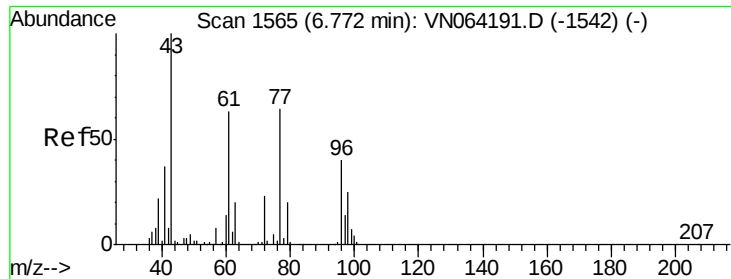
MMDadoda
 10/23/2020 2:28:48 PM



#30
 2-Butanone
 Concen: 14.386 ug/l m
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	4.9	5.8	8.6#	
72	22.6	19.8	29.8	





#31

2,2-Dichloropropane

Concen: 2.783 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 77 Resp: 16669

Ion Ratio Lower Upper

77 100

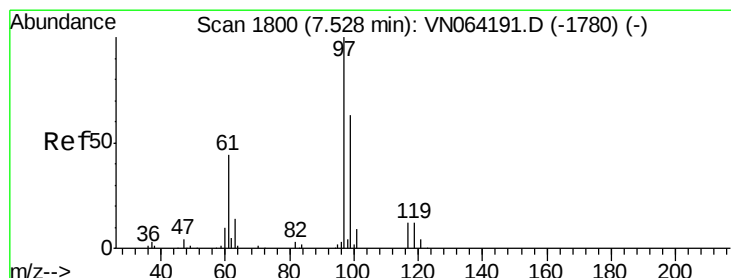
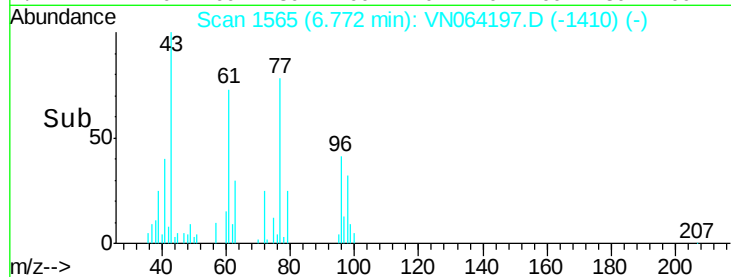
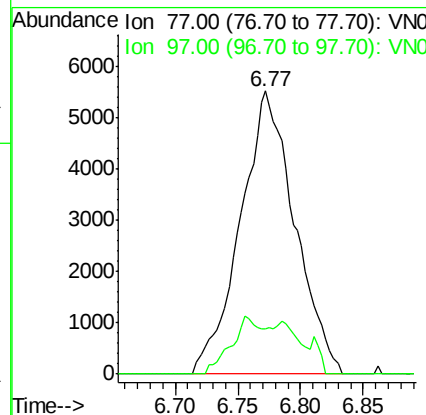
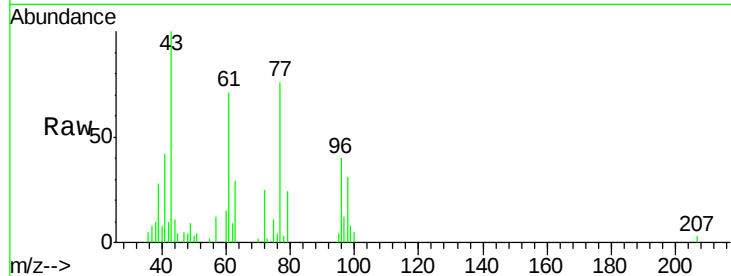
97 10.5 17.3 25.9#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 2.753 ug/l m

RT: 7.52 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

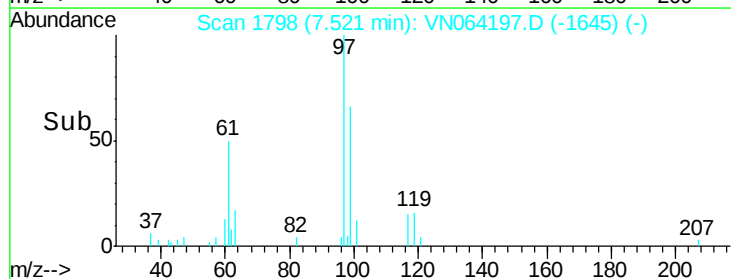
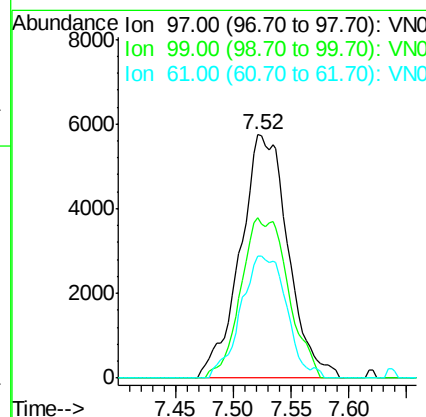
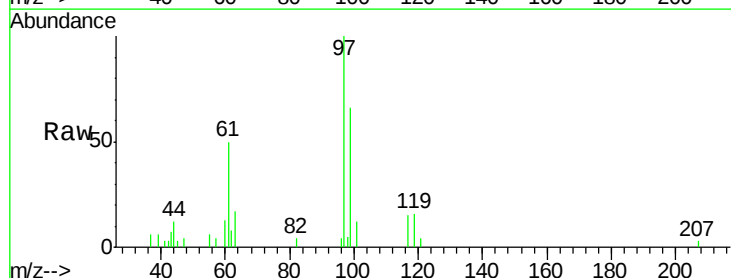
Tgt Ion: 97 Resp: 16551

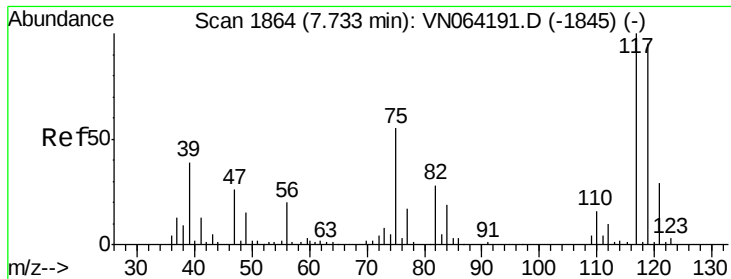
Ion Ratio Lower Upper

97 100

99 34.5 51.3 76.9#

61 29.6 34.8 52.2#





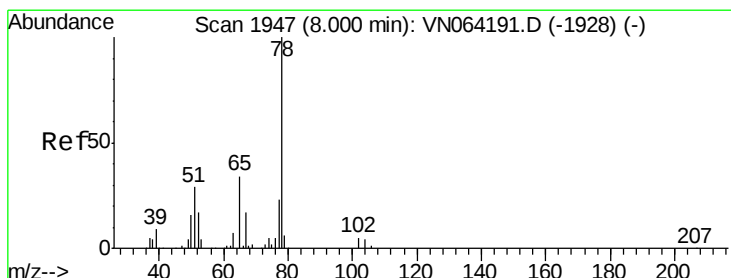
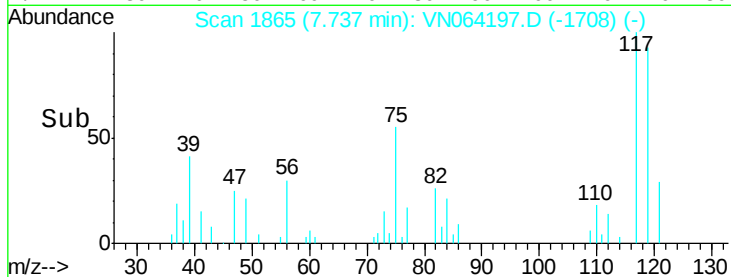
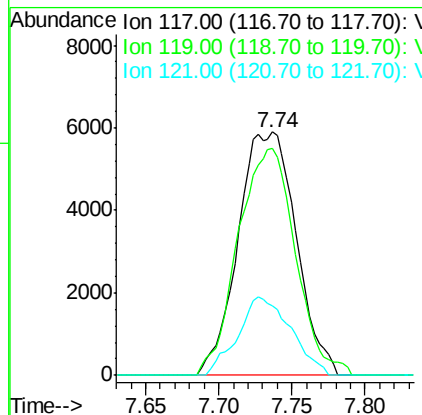
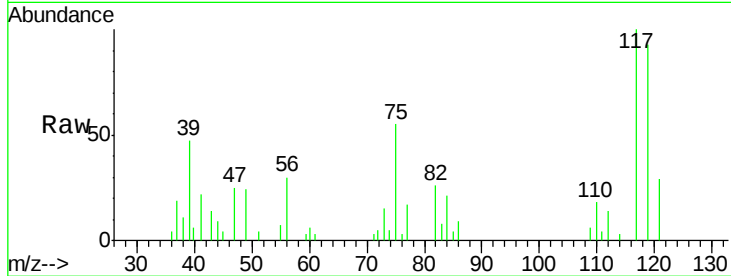
#33
Carbon Tetrachloride
Concen: 2.963 ug/l m
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.0	114.0
121	28.6	23.0	34.6

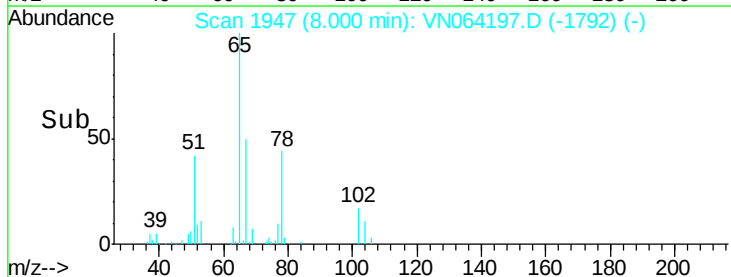
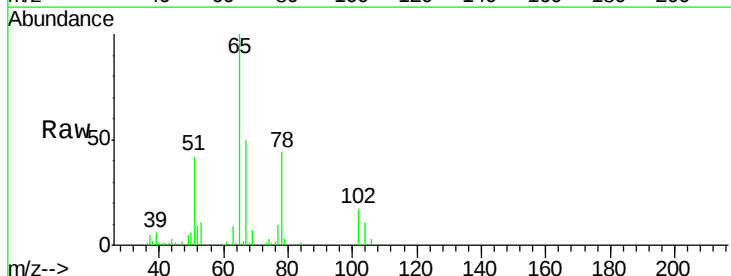
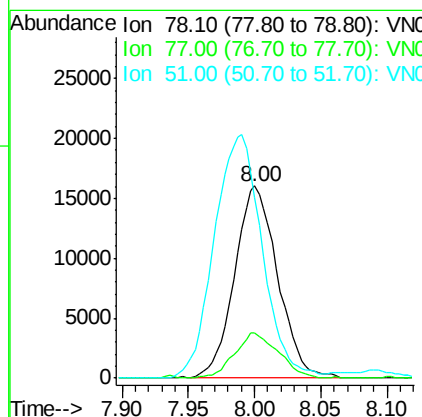
Manual Integrations
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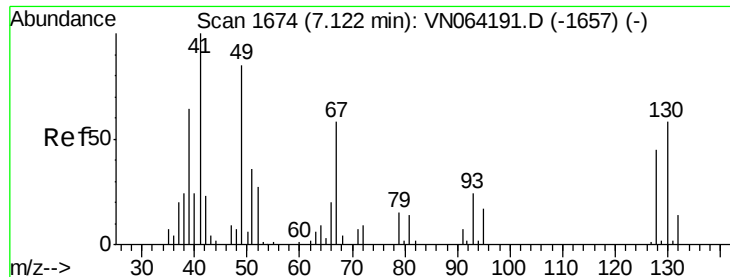
MMDadoda
10/23/2020 2:28:48 PM



#34
Benzene
Concen: 2.754 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6
51	91.6	23.0	34.6#





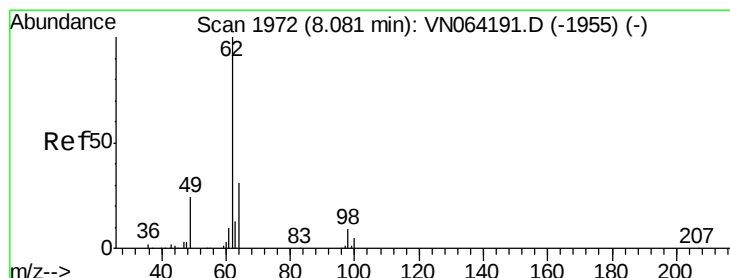
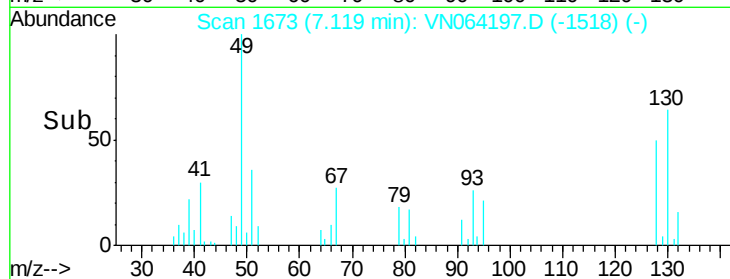
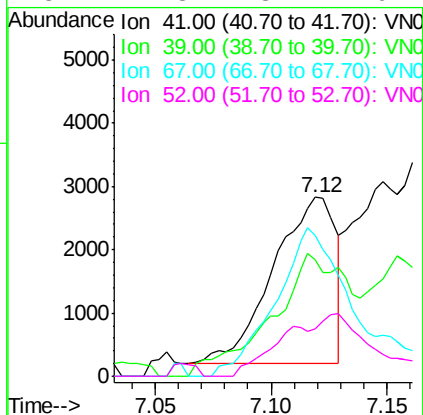
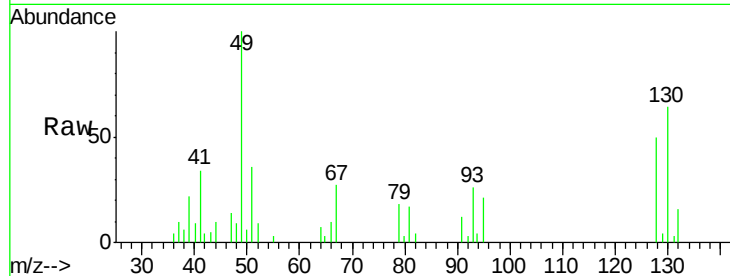
#35
Methacrylonitrile
Concen: 2.295 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:	41	Resp:	4898
Ion	Ratio	Lower	Upper
41	100		
39	69.7	32.1	96.3
67	84.6	28.9	86.8
52	21.3	13.4	40.2

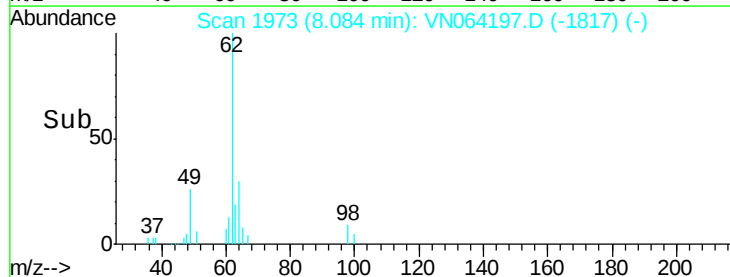
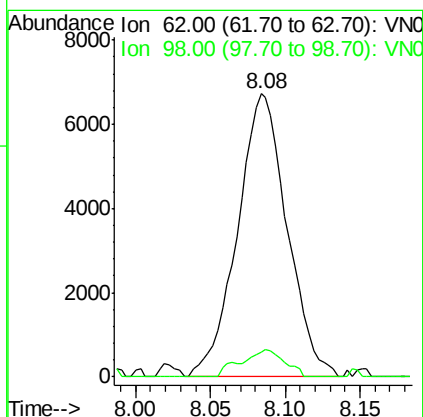
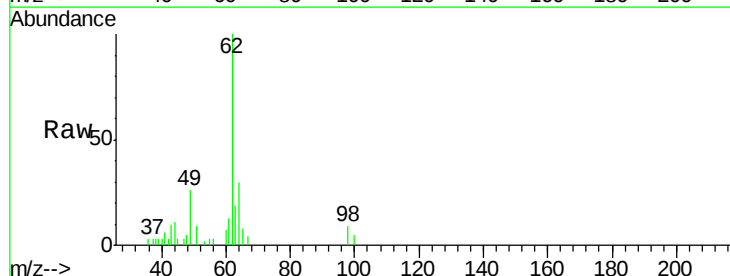
Manual Integrations
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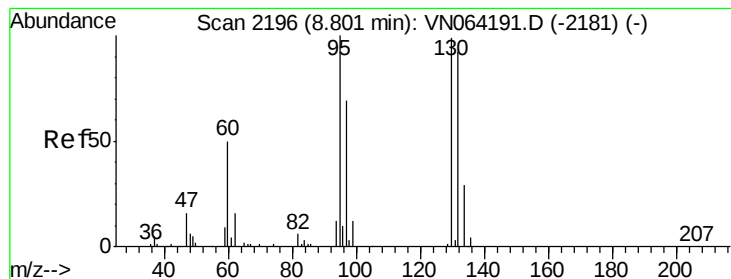
MMDadoda
10/23/2020 2:28:48 PM



#36
1,2-Dichloroethane
Concen: 2.922 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion:	62	Resp:	15529
Ion	Ratio	Lower	Upper
62	100		
98	6.5	6.3	9.5





#37

Trichloroethene

Concen: 2.625 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:130 Resp: 9496

Ion Ratio Lower Upper

130 100

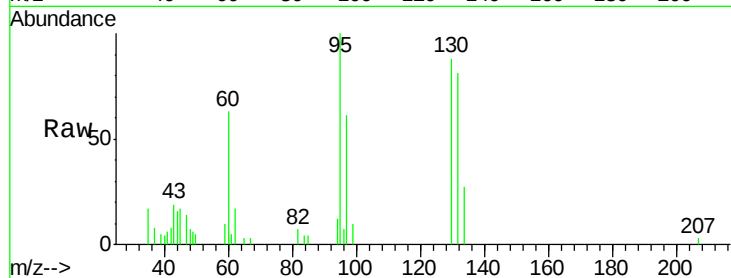
95 113.7 81.0 121.4

Manual Integrations

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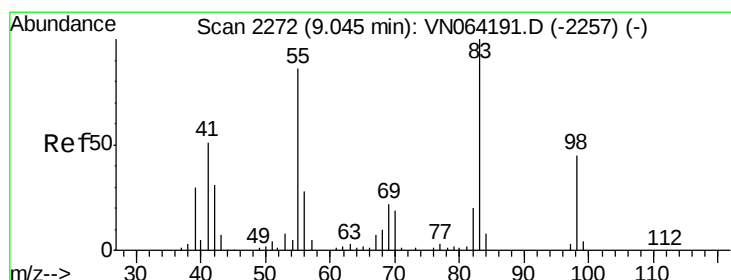
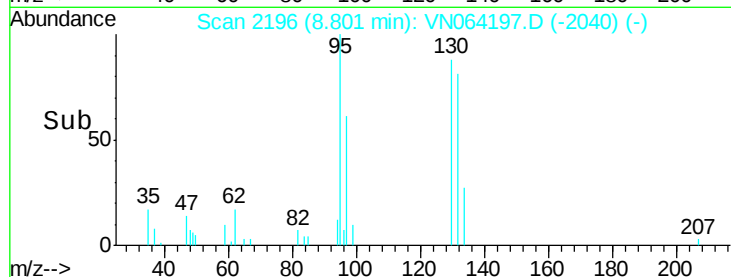
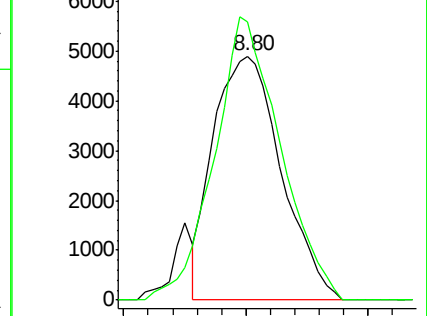
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 2.583 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

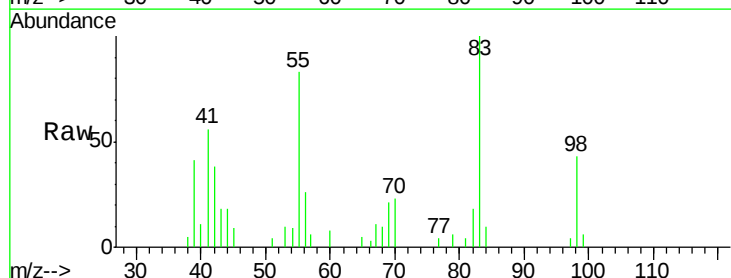
Tgt Ion: 83 Resp: 11657

Ion Ratio Lower Upper

83 100

55 92.1 40.3 120.9

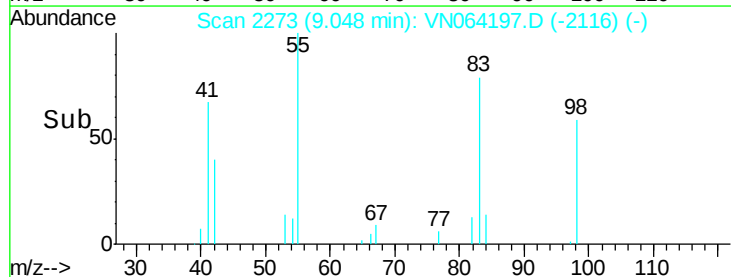
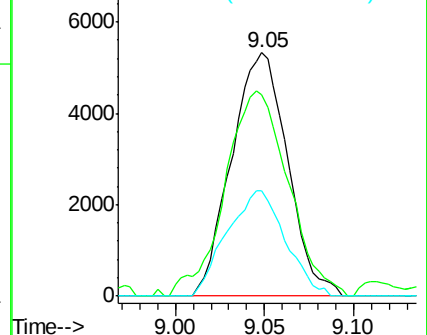
98 44.8 22.4 67.0

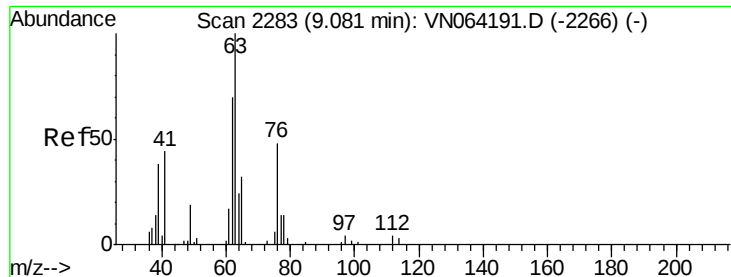


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





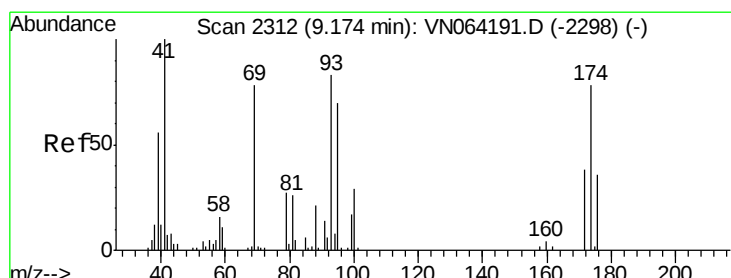
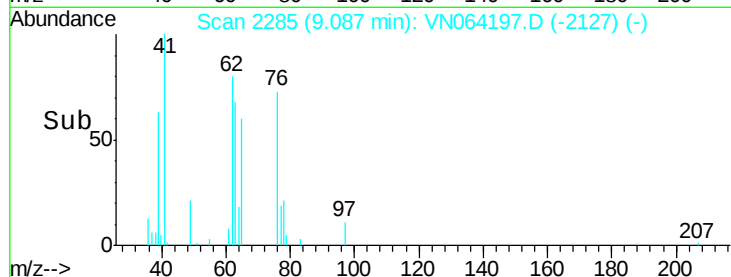
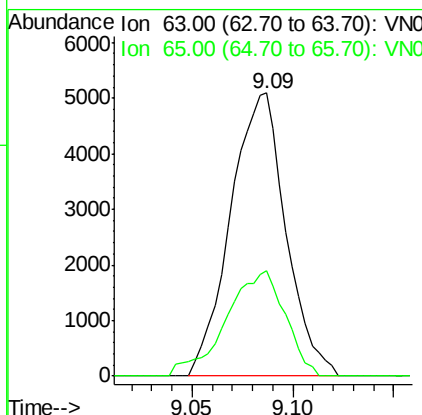
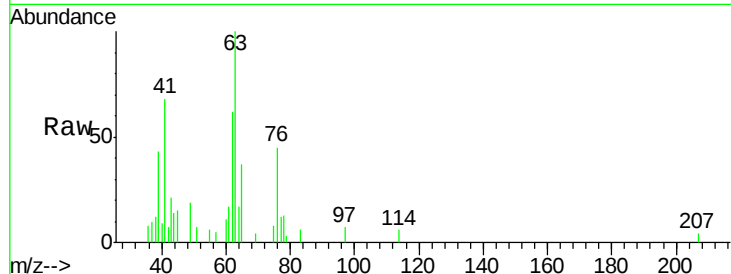
#39
 1,2-Dichloropropane
 Concen: 2.781 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.01 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 9751
 Ion Ratio Lower Upper
 63 100
 65 37.2 26.5 39.7

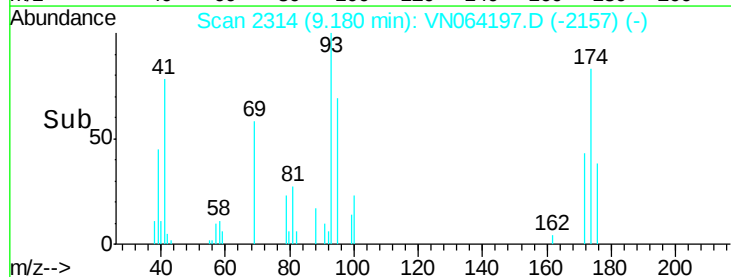
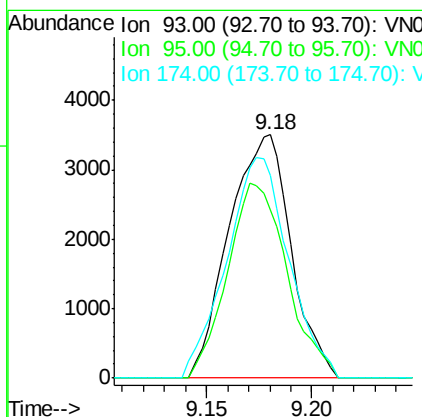
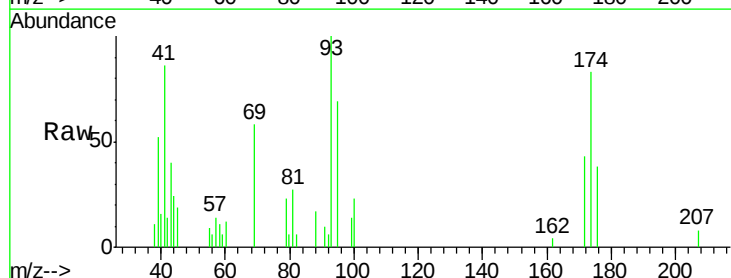
Manual Integrations
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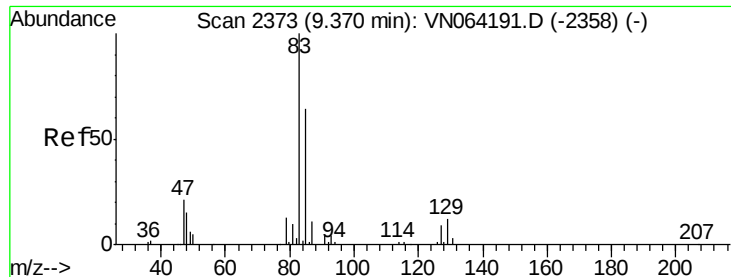
MMDadoda
 10/23/2020 2:28:48 PM



#40
 Dibromomethane
 Concen: 2.935 ug/l
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion: 93 Resp: 7161
 Ion Ratio Lower Upper
 93 100
 95 76.8 0.0 169.2
 174 90.8 0.0 187.4





#41

Bromodichloromethane

Concen: 2.932 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

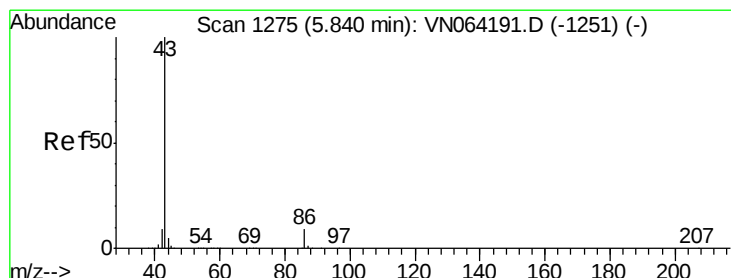
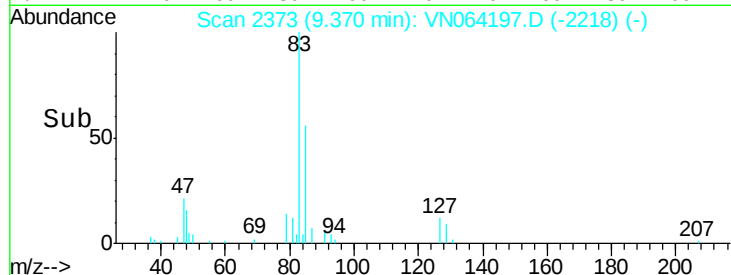
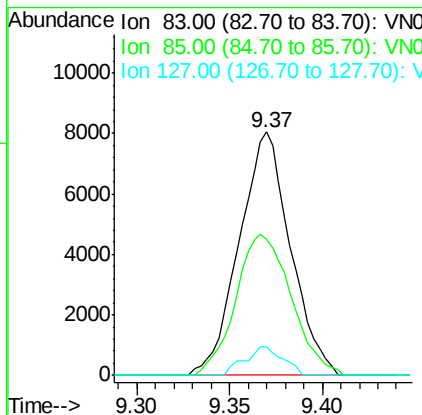
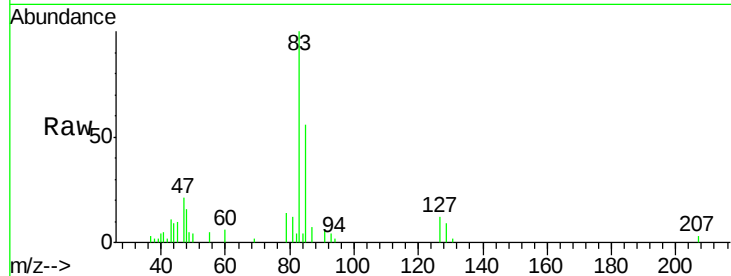
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	15483
Ion Ratio	Lower	Upper	
83	100		
85	56.1	51.5	77.3
127	11.5	6.8	10.2#

Manual Integrations
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MMDadoda
10/23/2020 2:28:48 PM



#42

Vinyl Acetate

Concen: 13.971 ug/l m

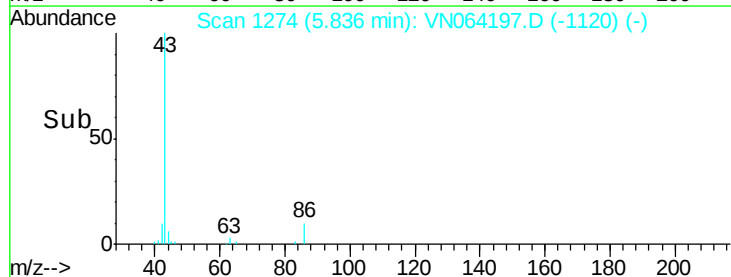
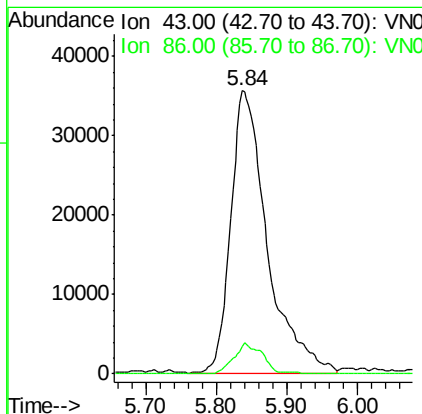
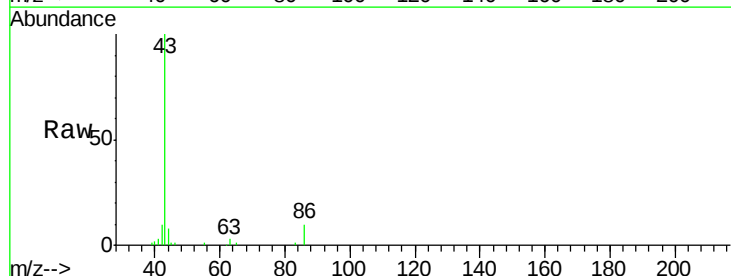
RT: 5.84 min Scan# 1274

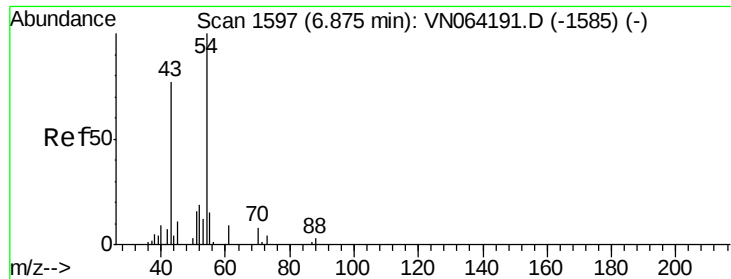
Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	43	Resp:	129060
Ion Ratio	Lower	Upper	
43	100		
86	0.0	6.7	10.1#





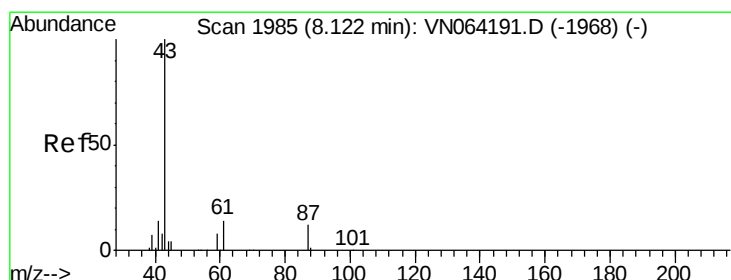
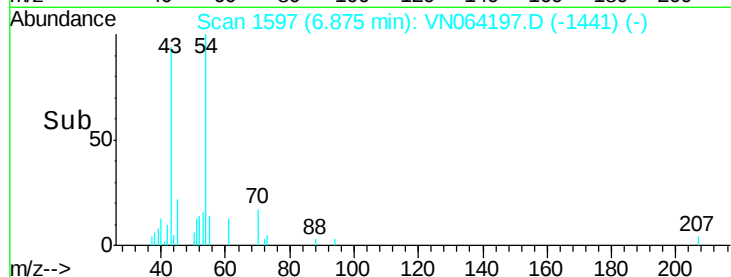
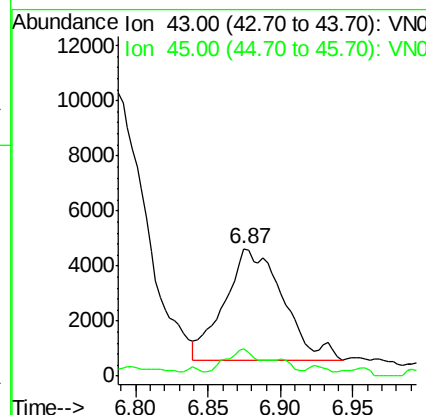
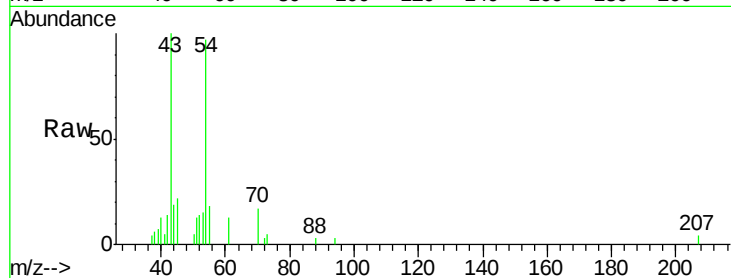
#43
Ethyl Acetate
Concen: 2.675 ug/l m
RT: 6.87 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.1	9.8	14.8#

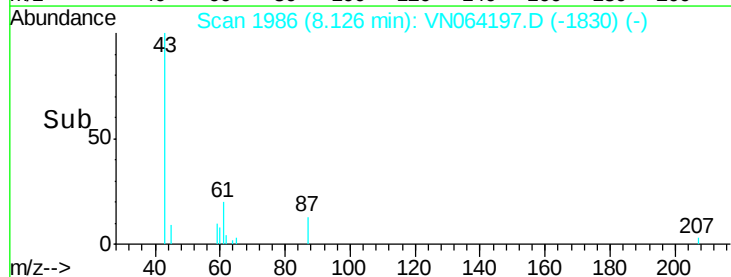
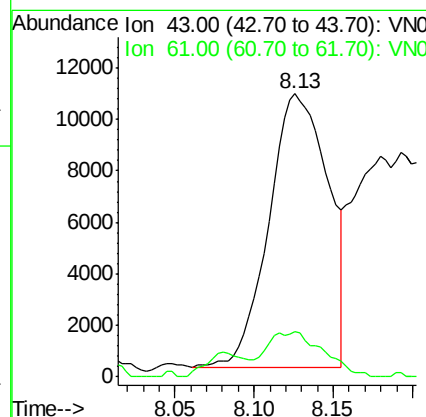
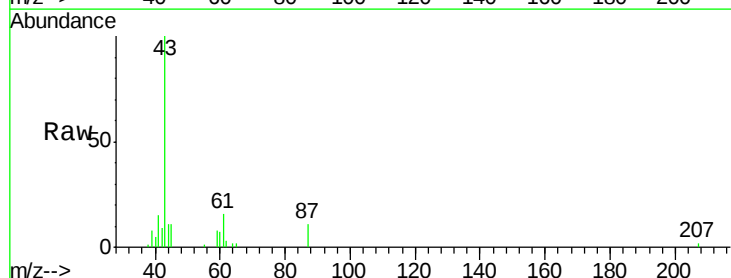
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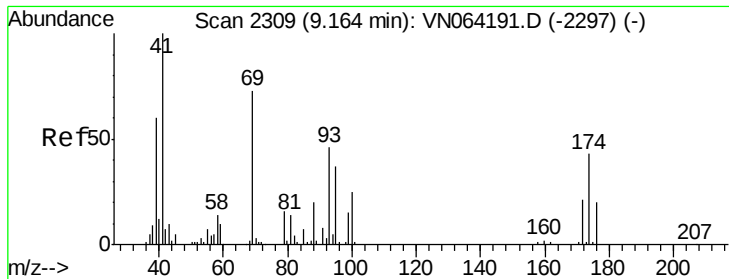
MMDadoda
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#44
Isopropyl Acetate
Concen: 3.376 ug/l m
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.3	18.7	28.1#





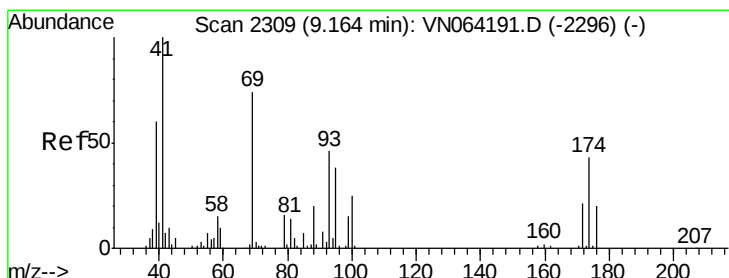
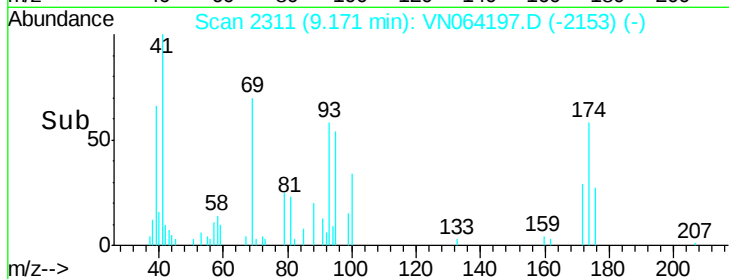
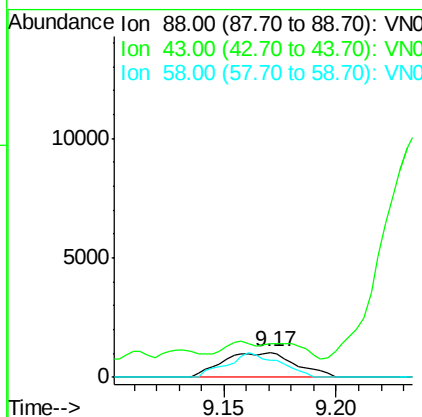
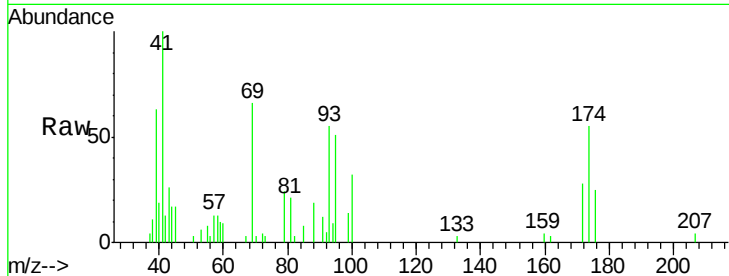
#45
1,4-Dioxane
Concen: 49.016 ug/l m
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	88	Resp	2339
Ion	Ratio	Lower	Upper
88	100		
43	18.8	37.0	55.4#
58	70.9	62.4	93.6

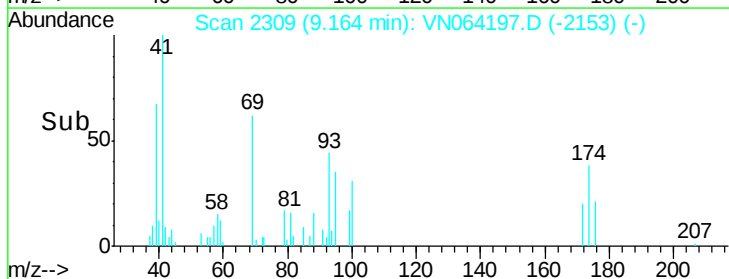
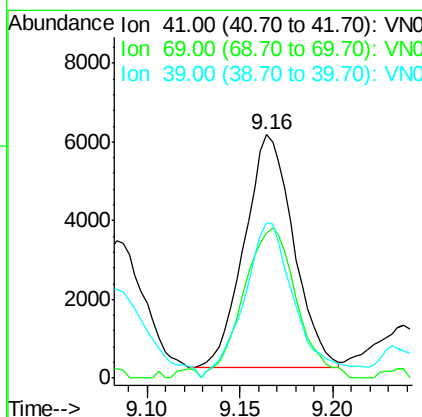
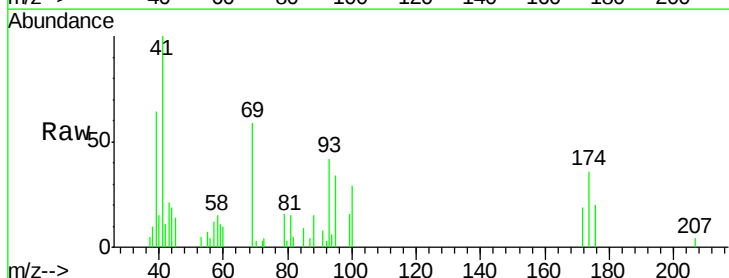
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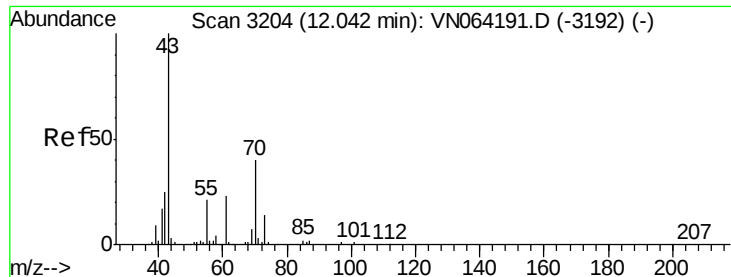
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#46
Methyl methacrylate
Concen: 2.796 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	41	Resp	10826
Ion	Ratio	Lower	Upper
41	100		
69	58.2	36.8	110.4
39	61.3	30.4	91.2





#47

n-amvl Acetate

Concen: 2.476 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 17923

Ion Ratio Lower Upper

43 100

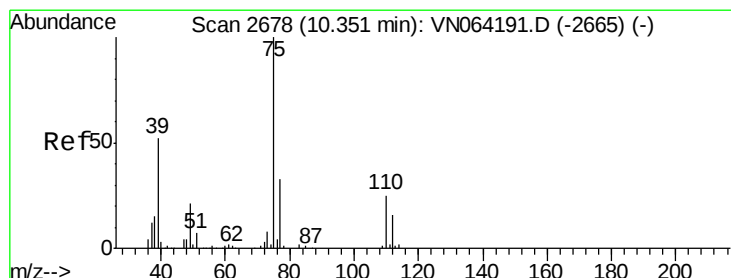
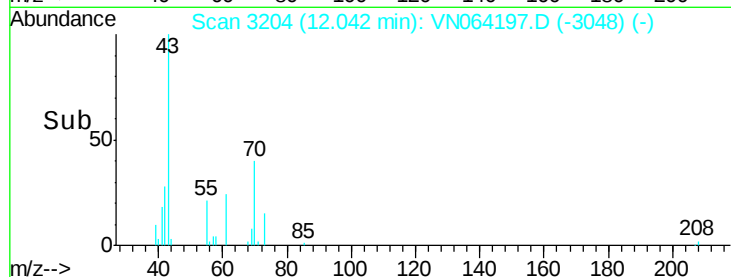
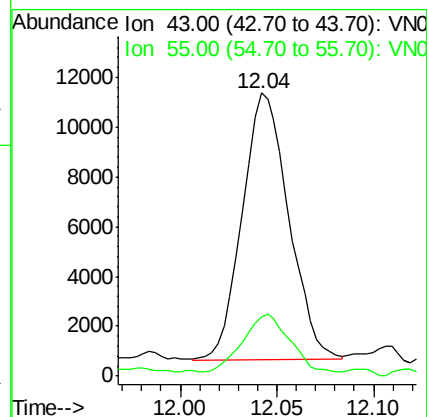
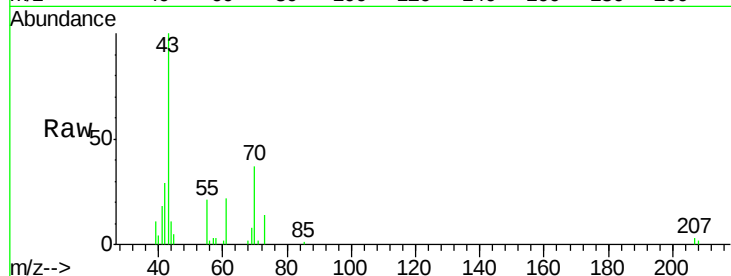
55 21.3 17.6 26.4

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#48

t-1,3-Dichloropropene

Concen: 2.724 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064197.D

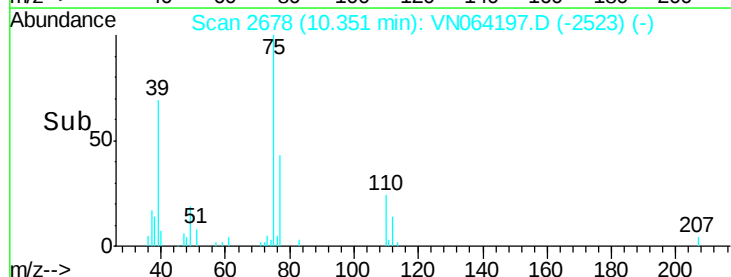
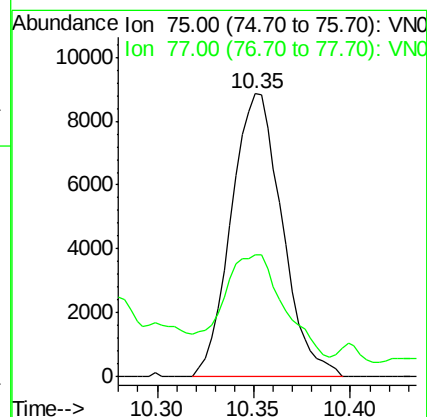
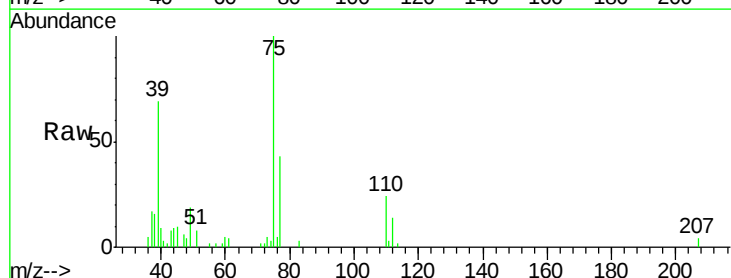
Acq: 20 Oct 2020 15:55

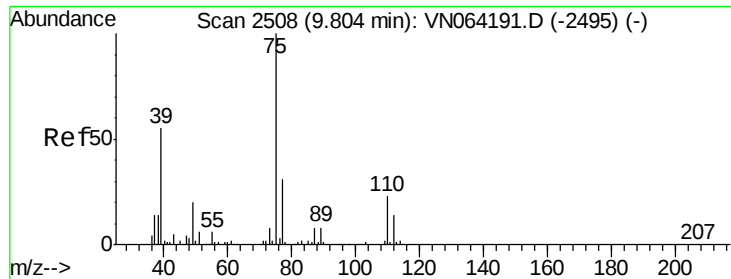
Tgt Ion: 75 Resp: 16220

Ion Ratio Lower Upper

75 100

77 32.7 27.4 41.2





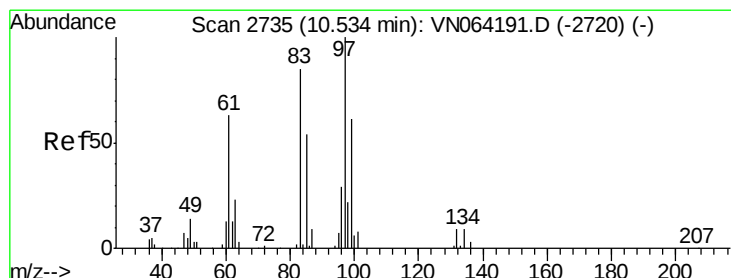
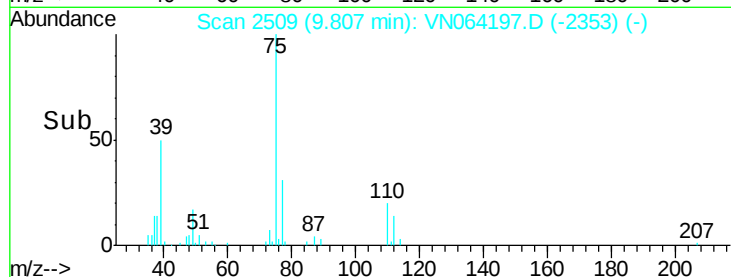
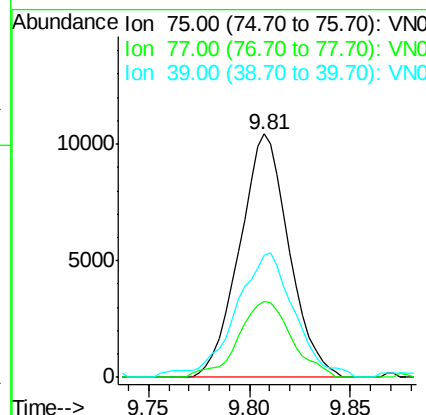
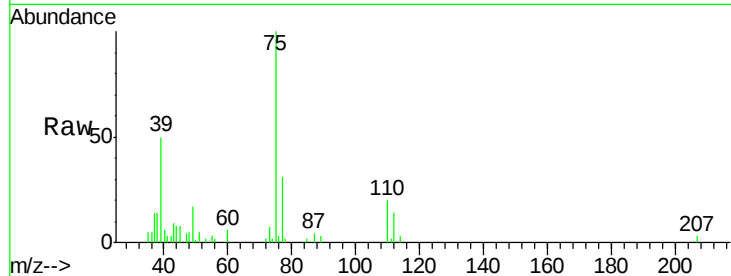
#49
 cis-1,3-Dichloropropene
 Concen: 2.906 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7
39	47.3	43.8	65.8

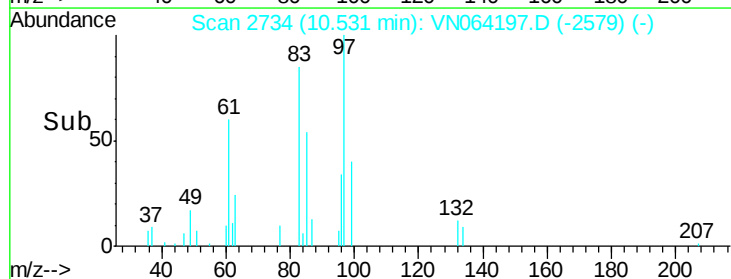
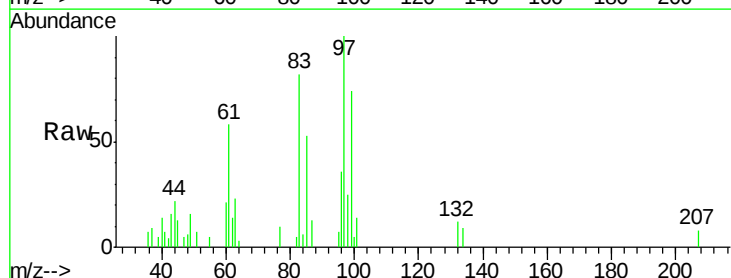
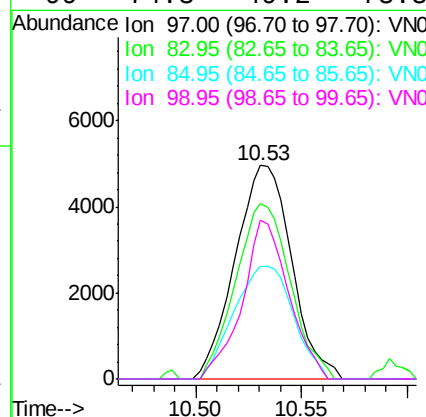
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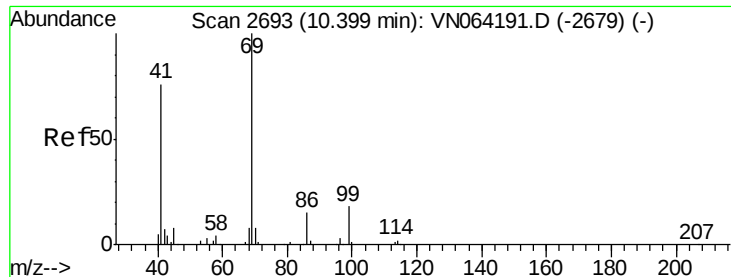
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#50
 1,1,2-Trichloroethane
 Concen: 2.828 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.7	101.5
85	52.6	43.2	64.8
99	74.3	49.2	73.8#





#51

Ethyl methacrylate

Concen: 2.668 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

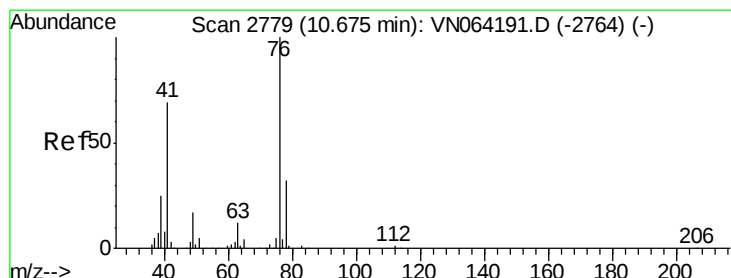
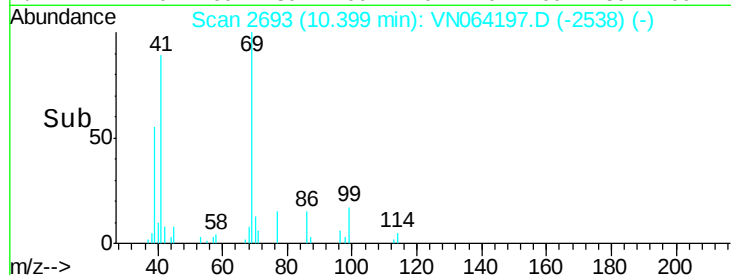
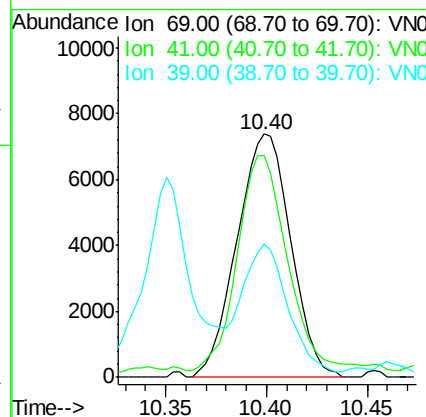
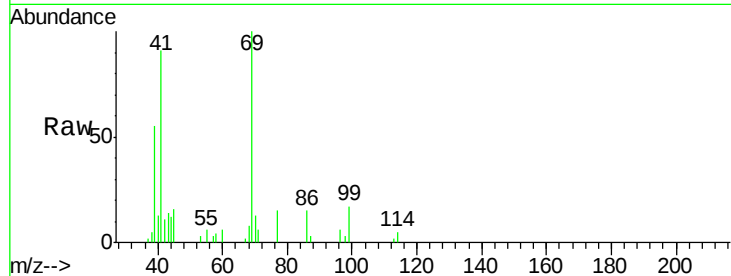
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	69	Resp:	13791
Ion Ratio	Lower	Upper	
69	100		
41	87.9	38.0	114.1
39	52.2	21.4	64.3

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#52

1,3-Dichloropropane

Concen: 2.758 ug/l

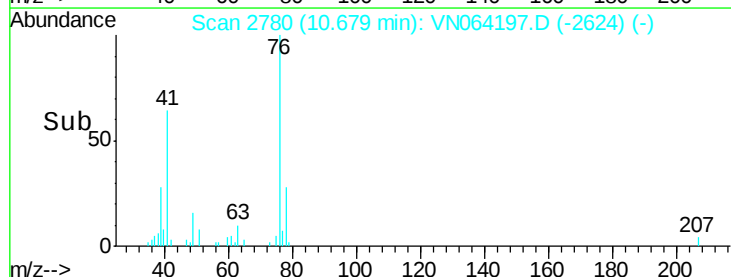
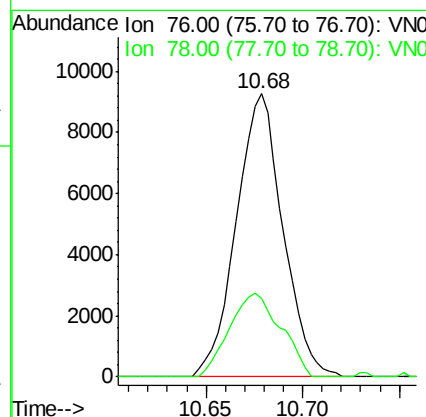
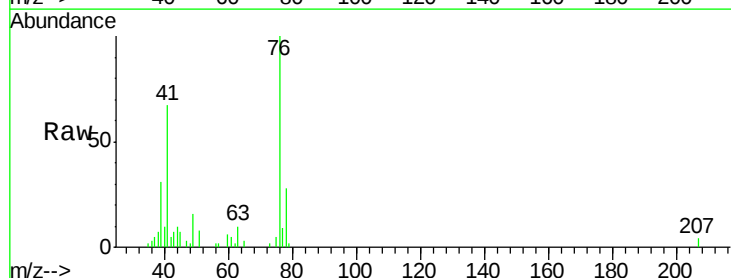
RT: 10.68 min Scan# 2780

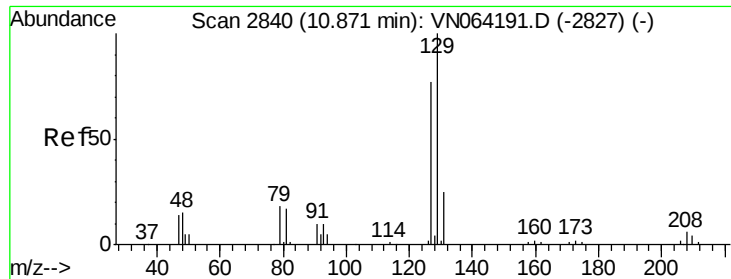
Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	76	Resp:	15540
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.4





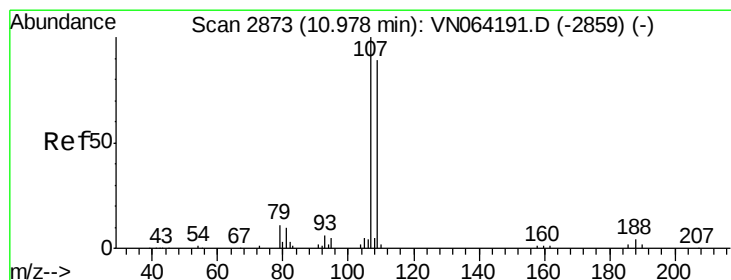
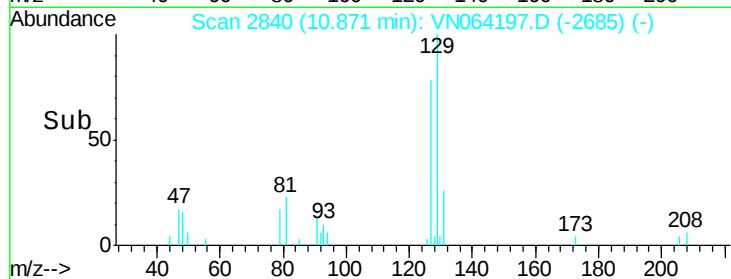
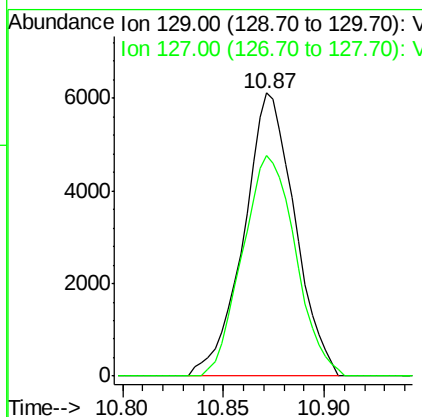
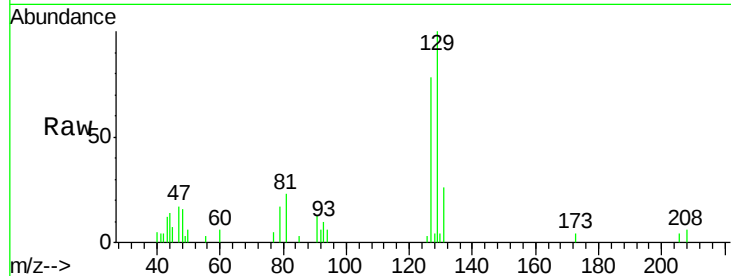
#53
 Dibromochloromethane
 Concen: 2.627 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
129	100		
127	81.2	39.0	117.0

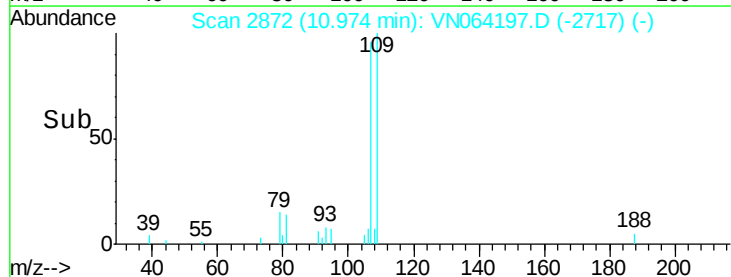
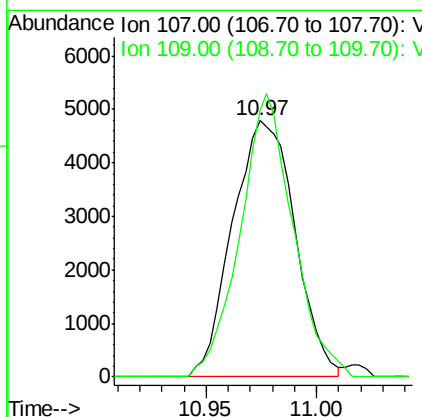
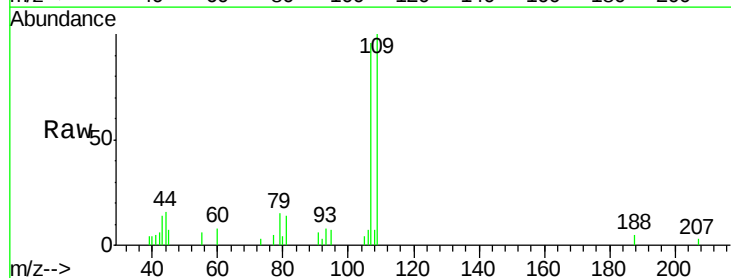
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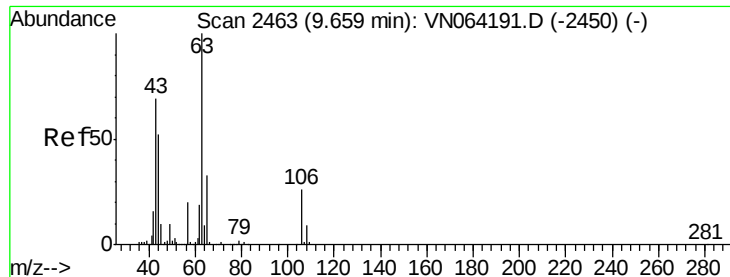
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 2.698 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	71.8	107.8





#55

2-Chloroethyl vinyl ether

Concen: 11.753 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 29855

Ion Ratio Lower Upper

63 100

65 32.2 25.9 38.9

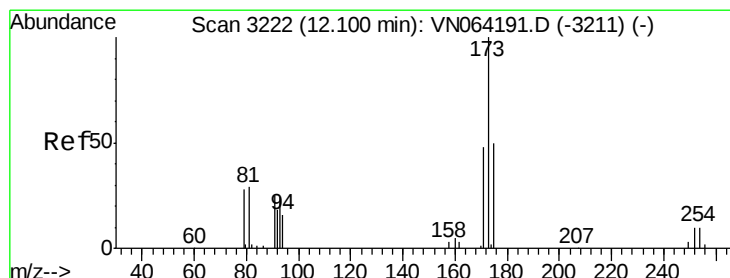
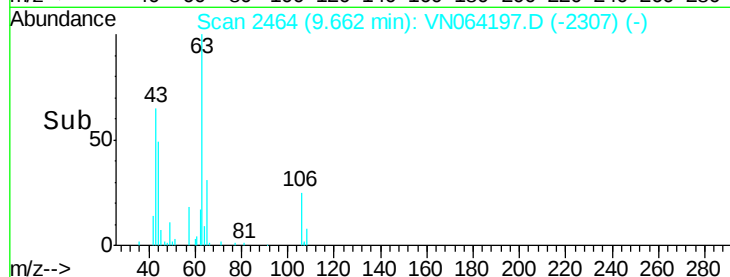
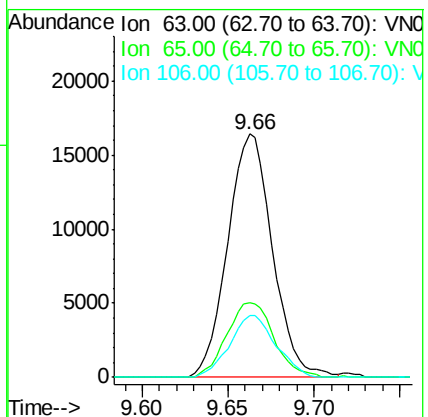
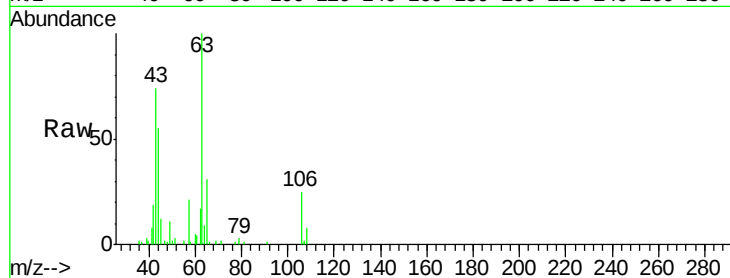
106 26.1 21.4 32.2

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#56

Bromoform

Concen: 2.689 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

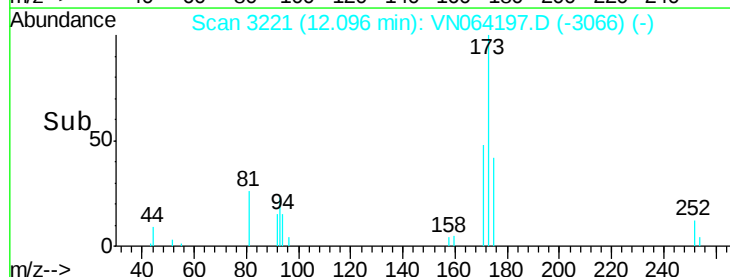
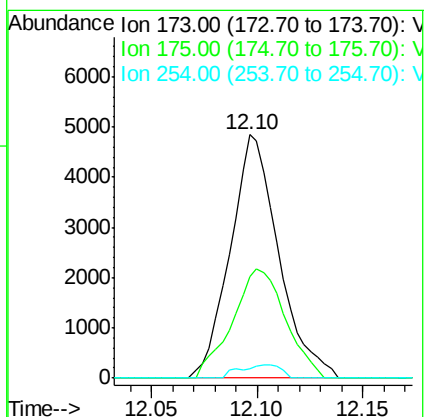
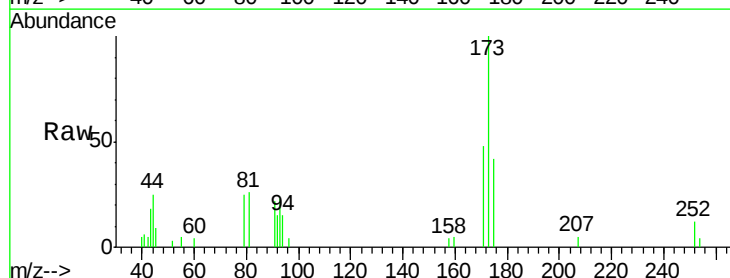
Tgt Ion: 173 Resp: 7704

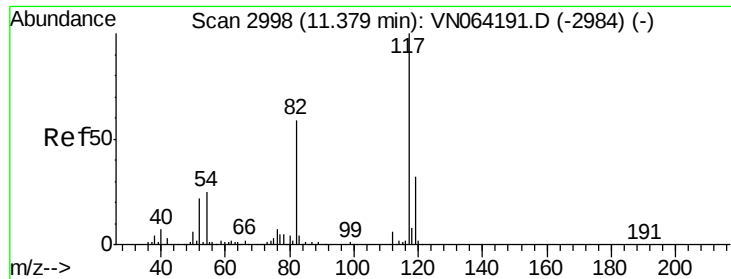
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 3.3 6.8 10.2#





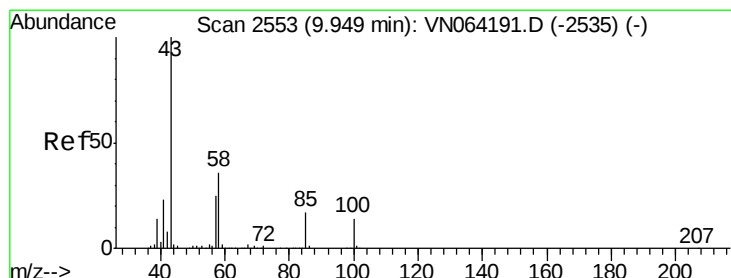
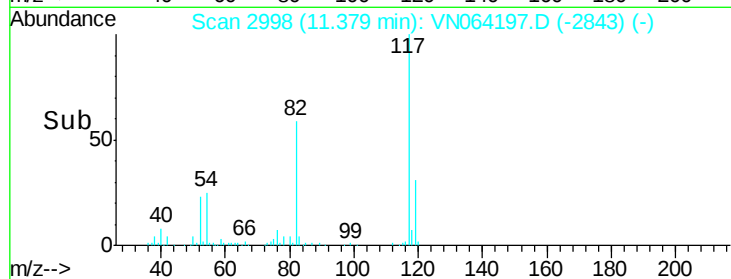
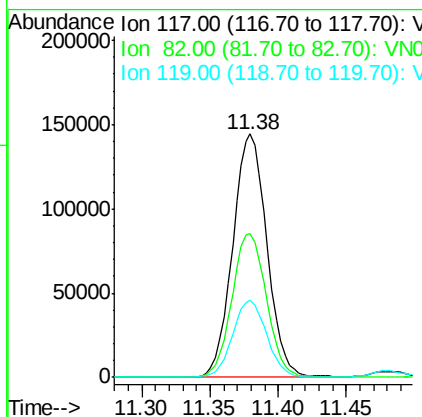
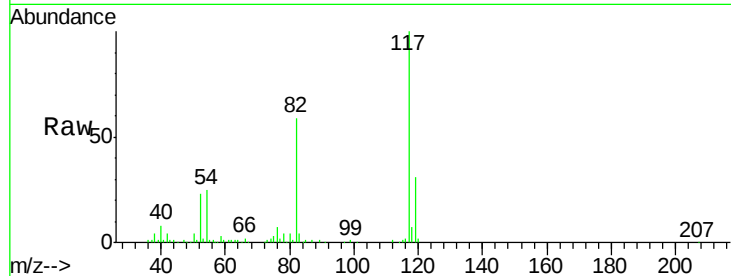
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251383		
82	59.9	47.8	71.8	
119	31.6	25.7	38.5	

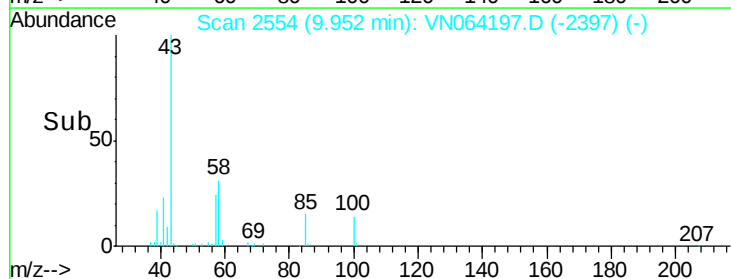
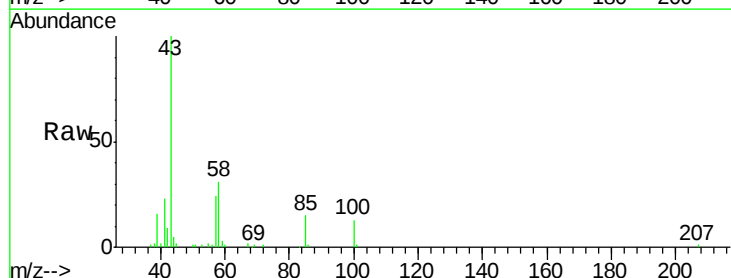
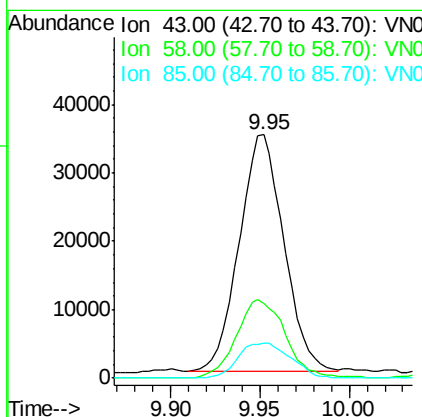
Manual Integrations
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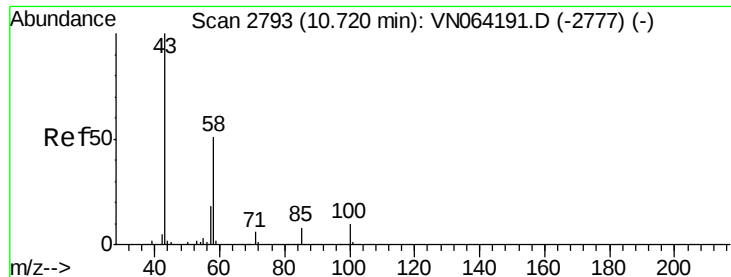
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 14.171 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	60367		
58	36.4	29.5	44.3	
85	17.4	13.7	20.5	





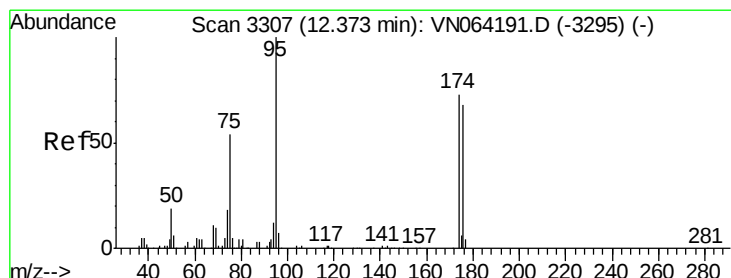
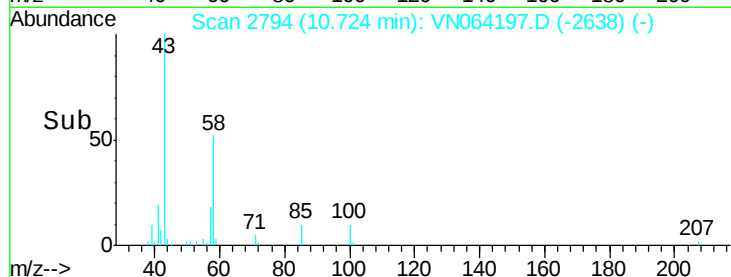
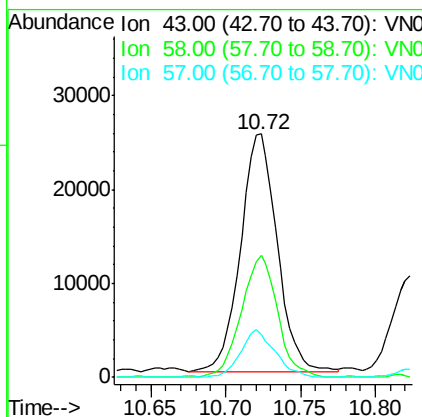
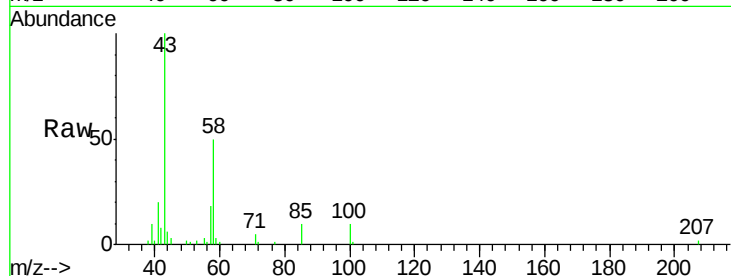
#59
2-Hexanone
Concen: 13.635 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	43119
Ion Ratio	Lower	Upper	
43	100		
58	50.6	40.2	60.4
57	18.7	14.8	22.2

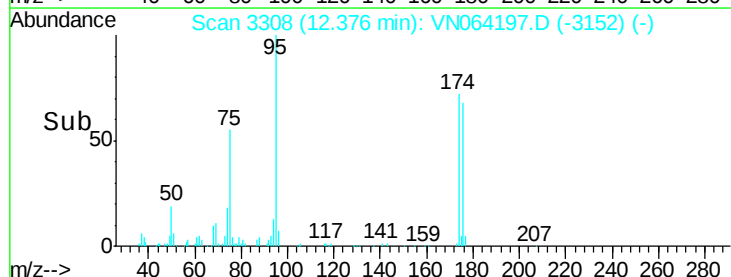
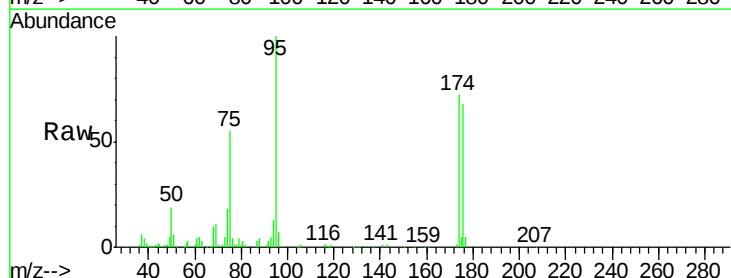
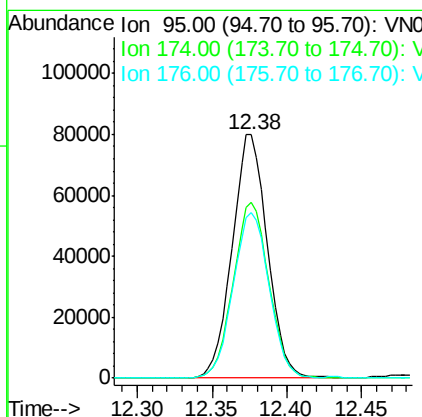
Manual Integrations
APPROVED

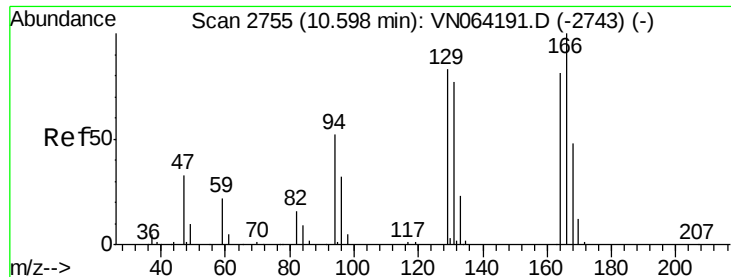
MMDadoda
10/23/2020 2:28:48 PM



#60
4-Bromofluorobenzene
Concen: 29.115 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion:	95	Resp:	131162
Ion Ratio	Lower	Upper	
95	100		
174	73.1	57.6	86.4
176	69.4	54.9	82.3





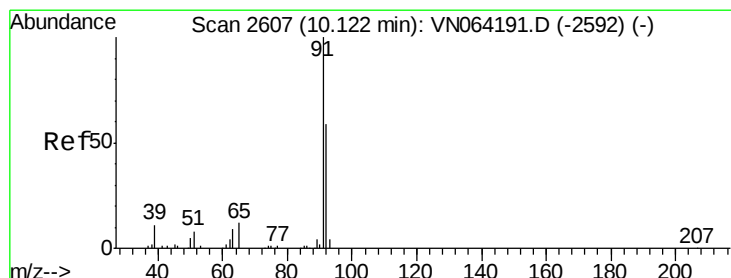
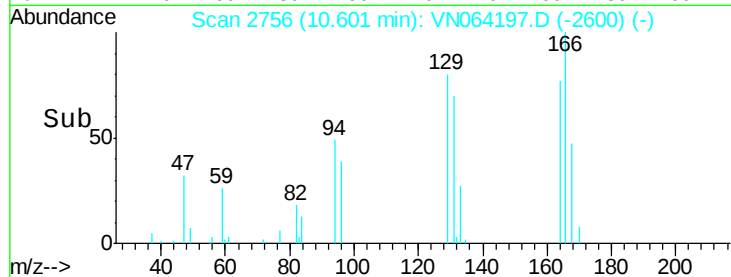
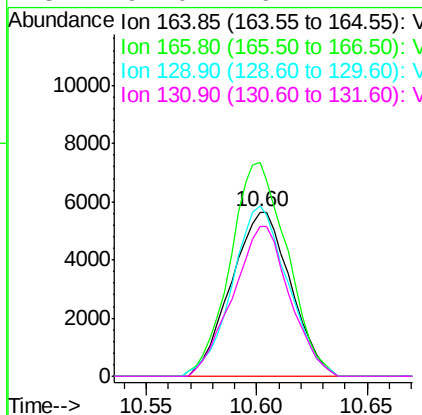
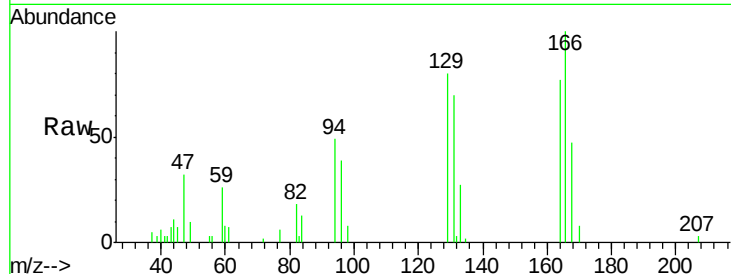
#61
Tetrachloroethene
Concen: 3.108 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	164	Resp	10533
Ion	Ratio	Lower	Upper
164	100		
166	129.9	99.2	148.8
129	103.9	82.8	124.2
131	91.0	76.2	114.4

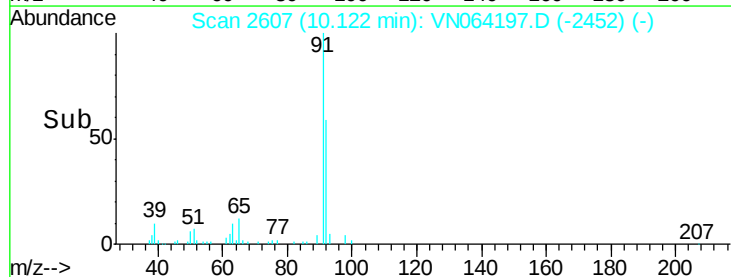
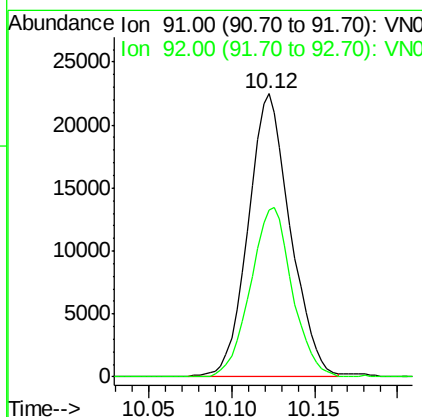
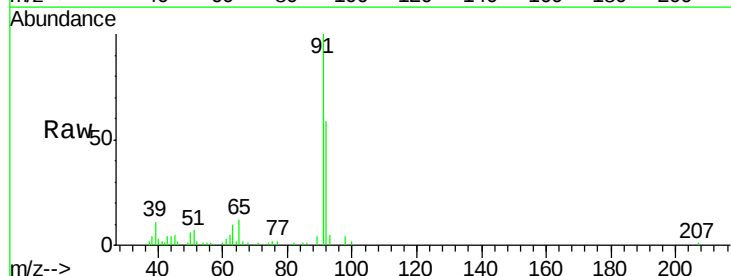
Manual Integrations
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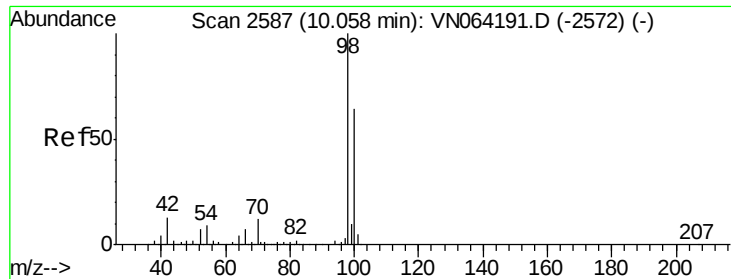
MMDadoda
10/23/2020 2:28:48 PM



#62
Toluene
Concen: 2.775 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	91	Resp	39879
Ion	Ratio	Lower	Upper
91	100		
92	59.2	46.8	70.2





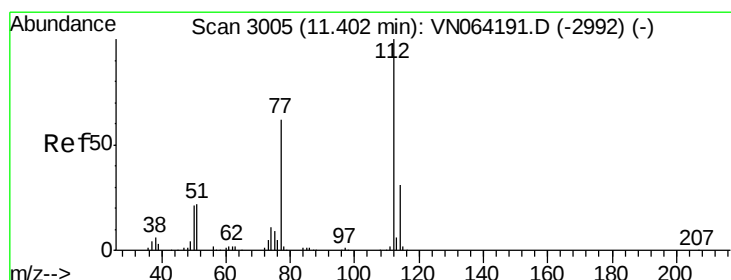
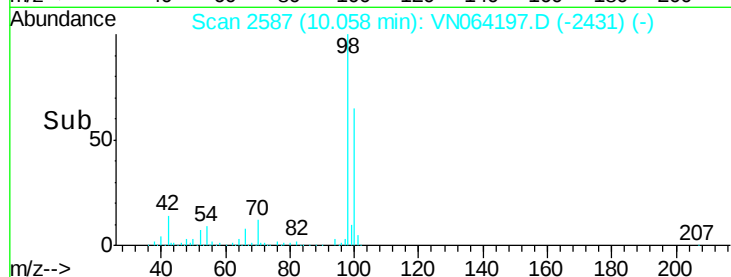
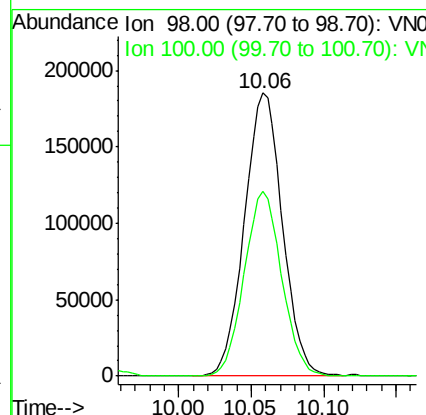
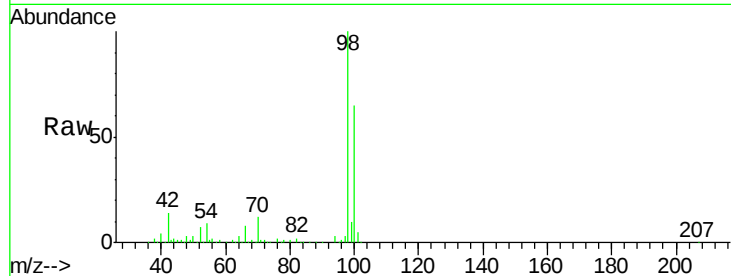
#63
Toluene-d8
Concen: 29.725 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 98 Resp: 338300
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2

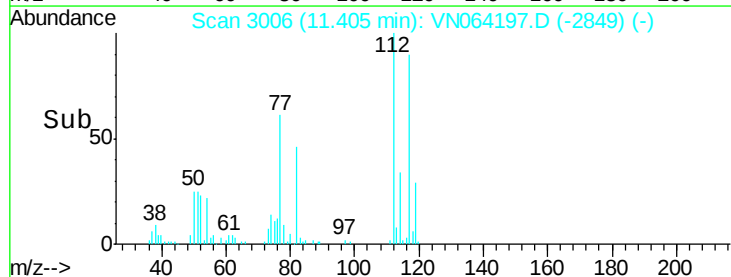
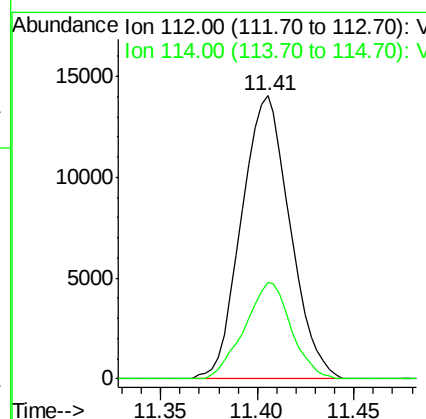
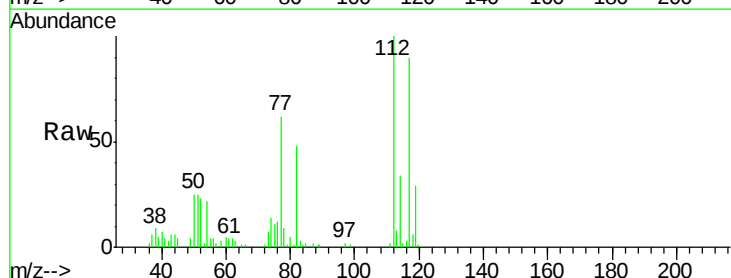
Manual Integrations
APPROVED

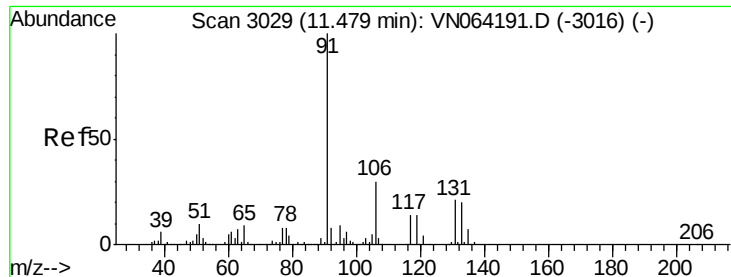
MMDadoda
10/23/2020 2:28:48 PM



#64
Chlorobenzene
Concen: 2.736 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 112 Resp: 24489
Ion Ratio Lower Upper
112 100
114 33.9 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 2.679 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

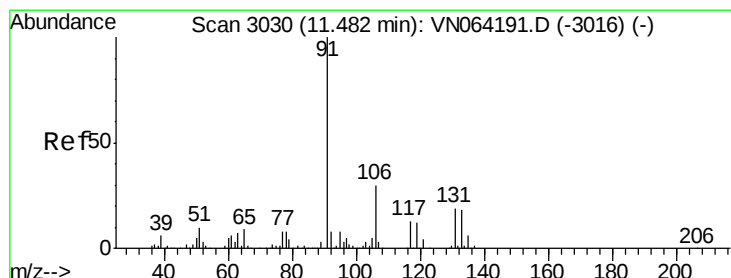
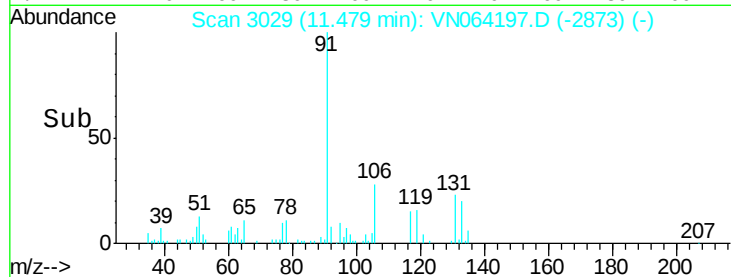
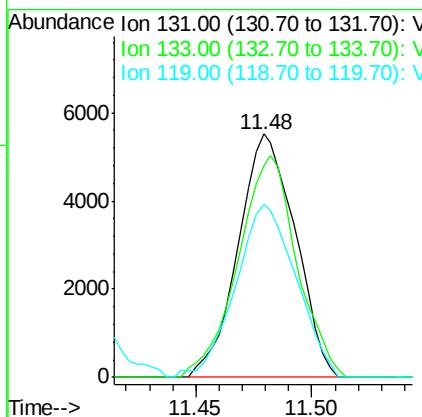
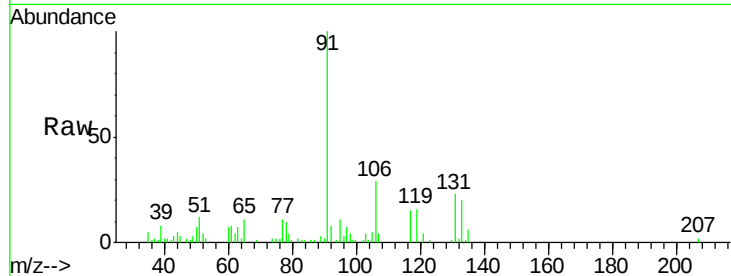
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	131	Resp:	9393
Ion	Ratio	Lower	Upper
131	100		
133	93.7	0.0	193.0
119	75.0	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 2.705 ug/l

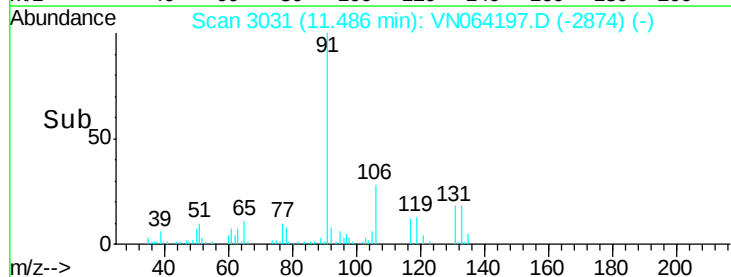
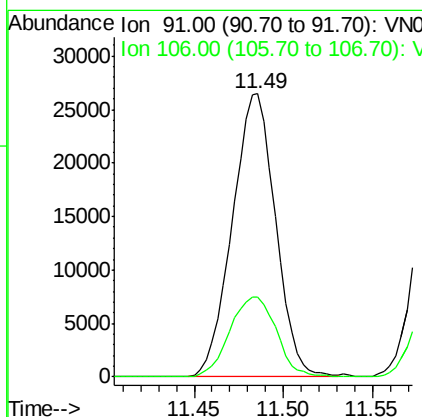
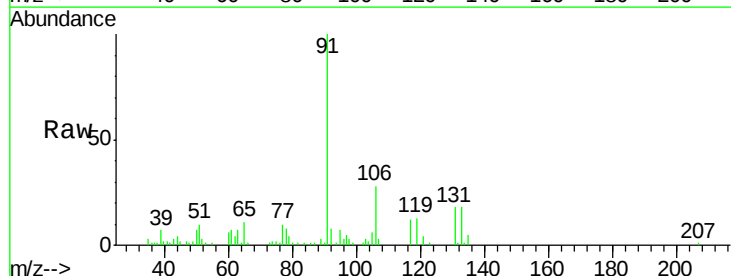
RT: 11.49 min Scan# 3031

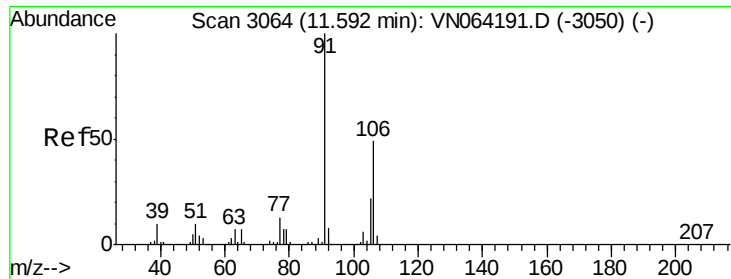
Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	91	Resp:	44691
Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.9	35.9





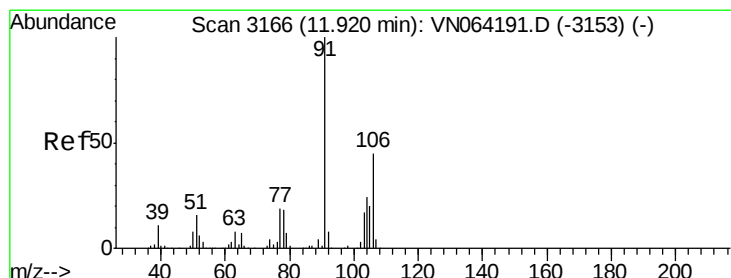
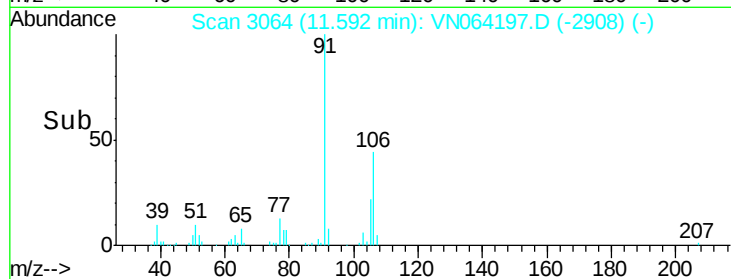
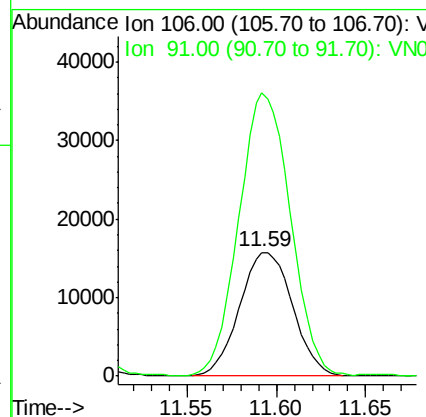
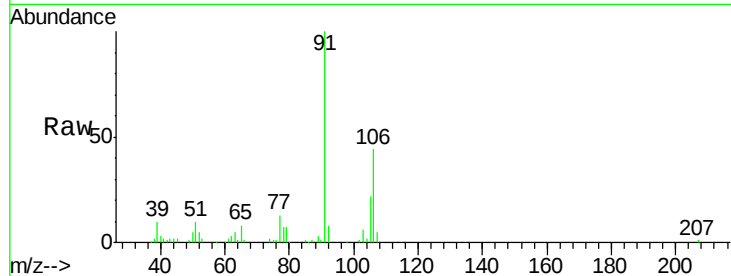
#67
m/p-Xylenes
Concen: 5.324 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:106 Resp: 32713
Ion Ratio Lower Upper
106 100
91 222.1 167.9 251.9

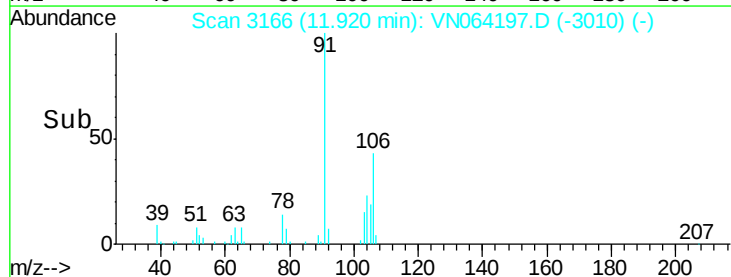
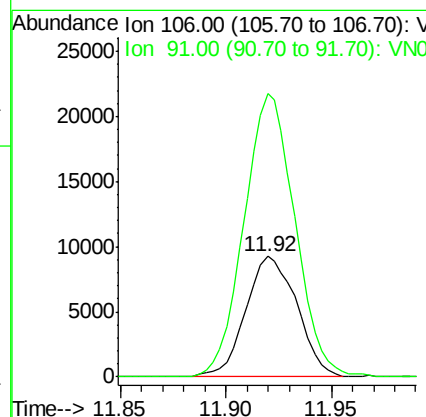
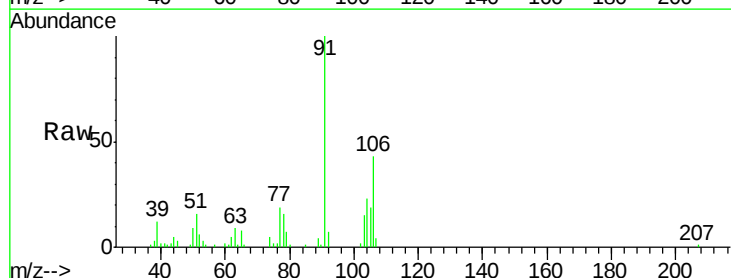
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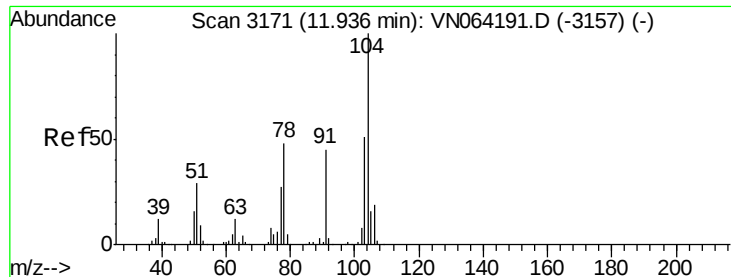
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#68
o-Xylene
Concen: 2.613 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion:106 Resp: 15582
Ion Ratio Lower Upper
106 100
91 233.7 113.9 341.7





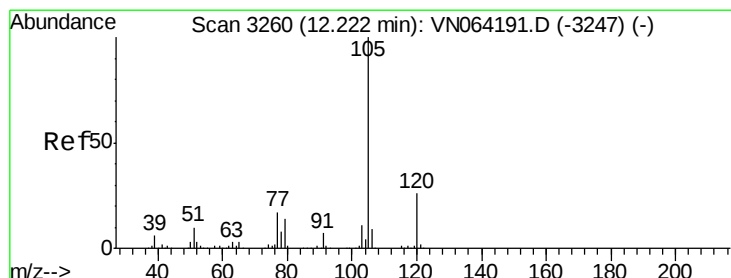
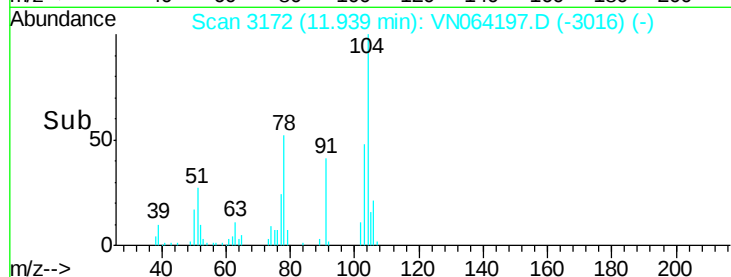
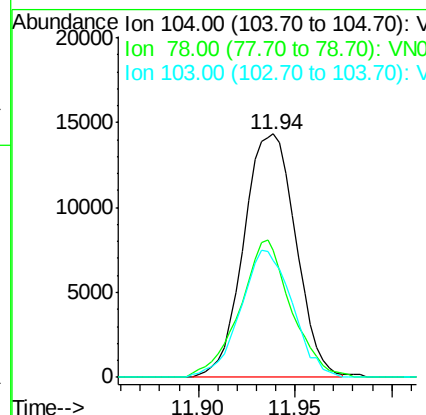
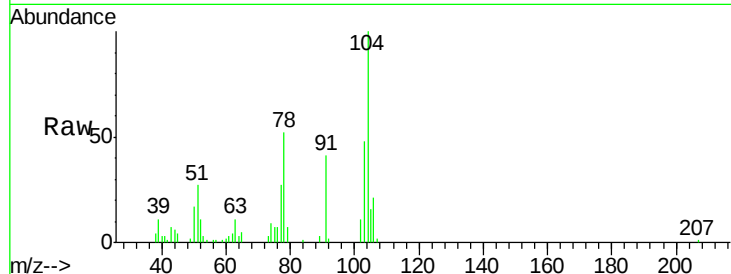
#69
Stvrene
Concen: 2.664 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	26880		
78	55.5		43.6	65.4
103	51.8		44.8	67.2

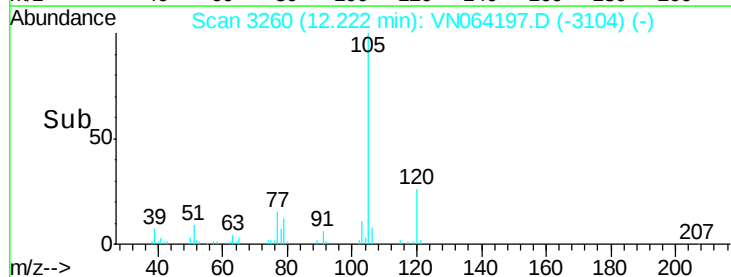
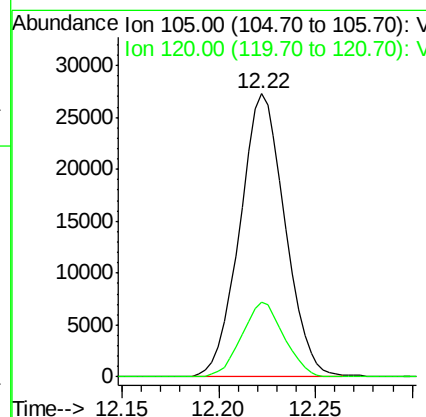
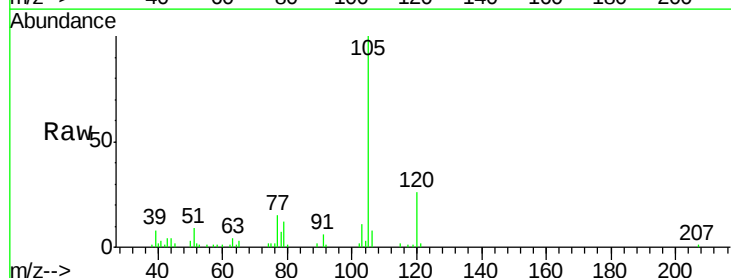
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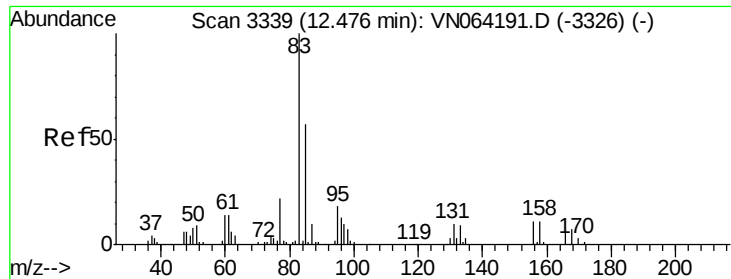
MMDadoda
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#70
Isopropylbenzene
Concen: 2.816 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	44340		
120	24.7		18.1	33.7





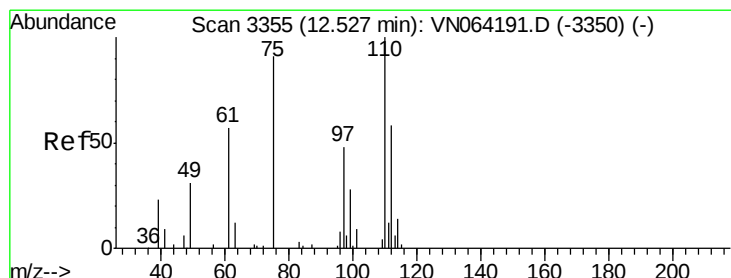
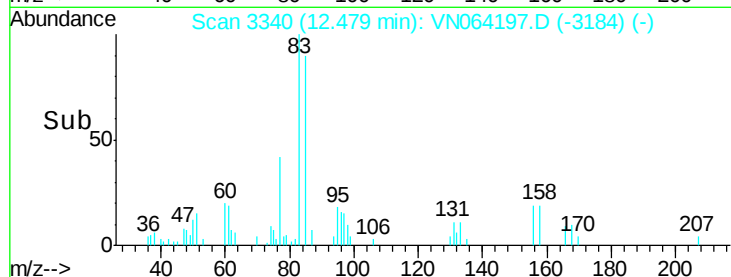
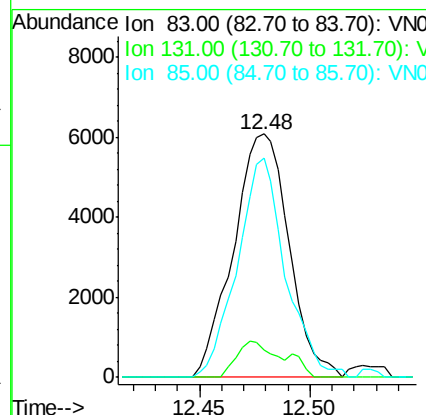
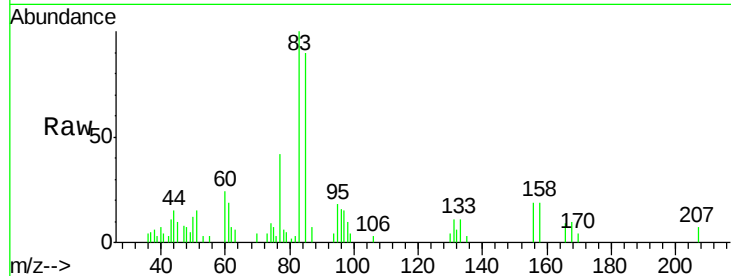
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.470 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	10661		
131	10.0		5.5	16.4
85	77.4		30.8	92.4

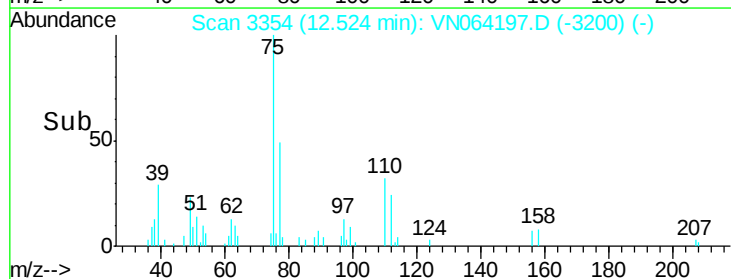
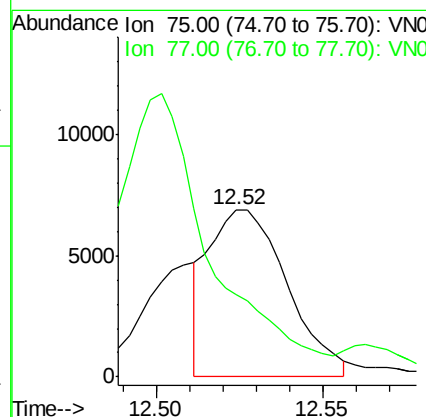
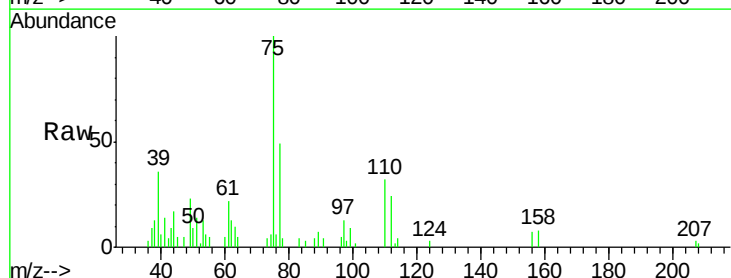
Manual Integrations
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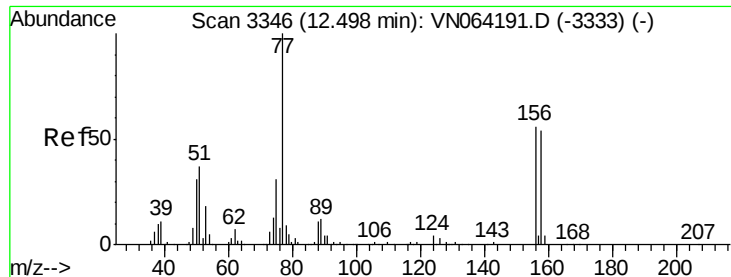
MMDadoda
 10/23/2020 2:28:48 PM



#72
 1,2,3-Trichloropropane
 Concen: 2.498 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11249		
77	211.5		0.0	417.6





#73

Bromobenzene

Concen: 2.498 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

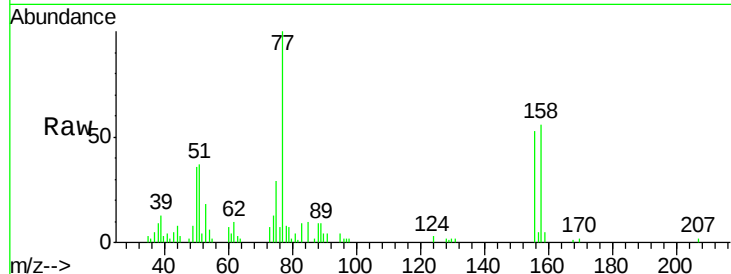
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

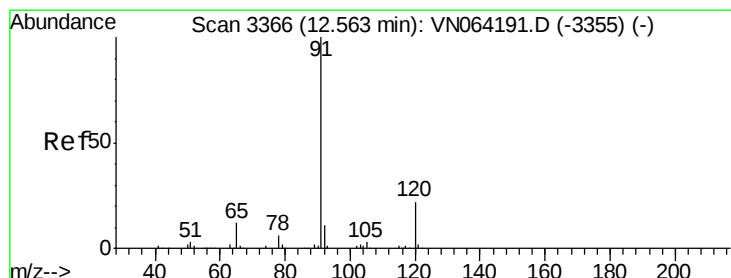
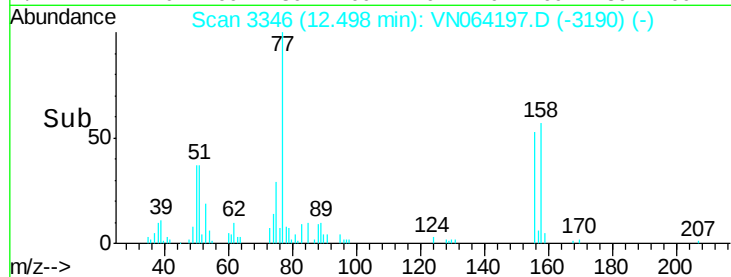
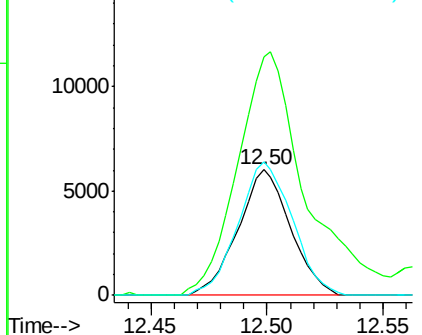
Tot Ion:	156	Resp:	9488
Ion	Ratio	Lower	Upper
156	100		
77	250.8	0.0	429.8
158	109.4	0.0	190.6

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.530 ug/l

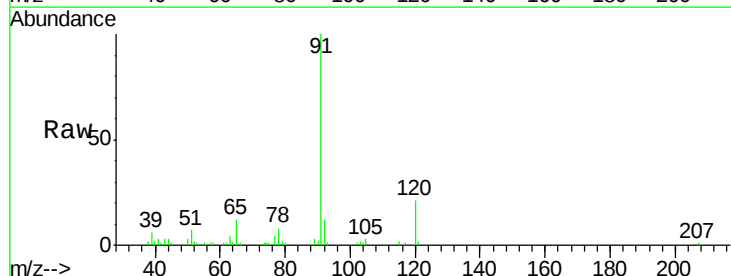
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

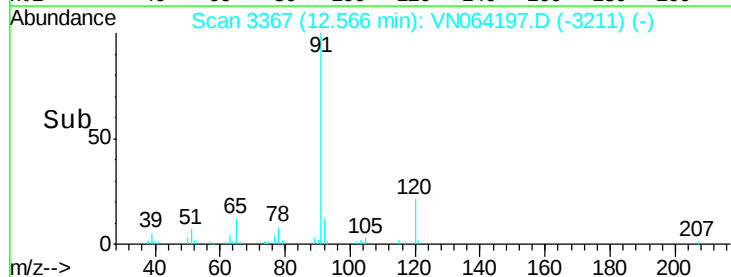
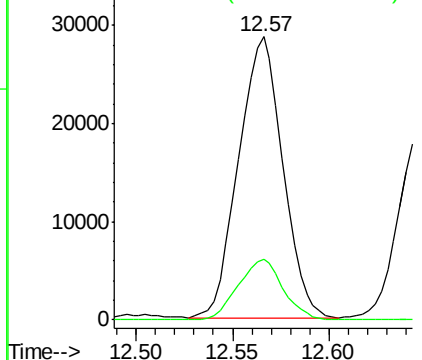
Lab File: VN064197.D

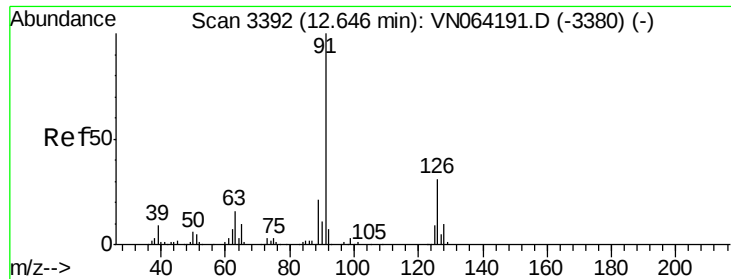
Acq: 20 Oct 2020 15:55

Tgt Ion:	91	Resp:	45475
Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	43.8



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





#75

2-Chlorotoluene

Concen: 2.883 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 32077

Ion Ratio Lower Upper

91 100

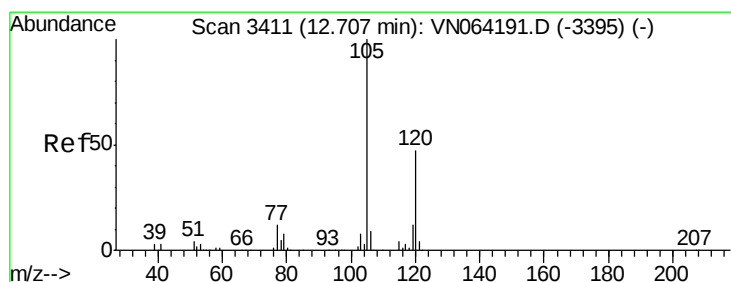
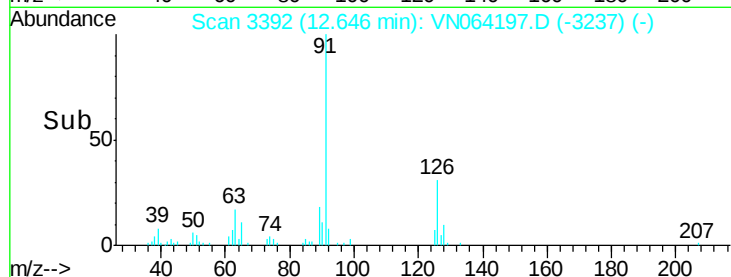
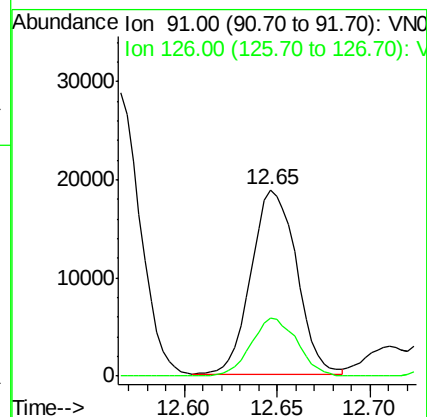
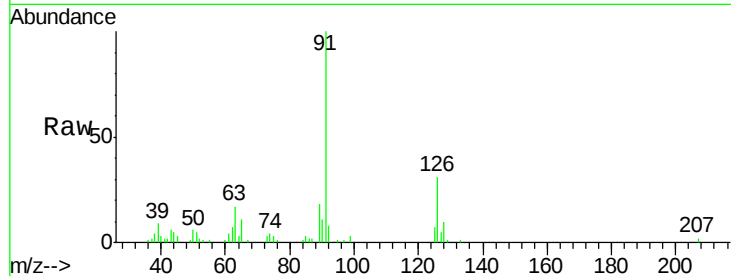
126 32.0 0.0 62.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 2.728 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064197.D

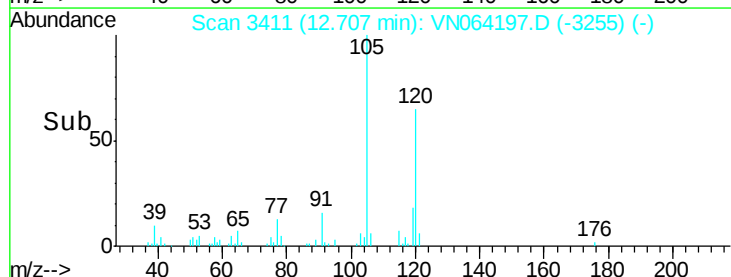
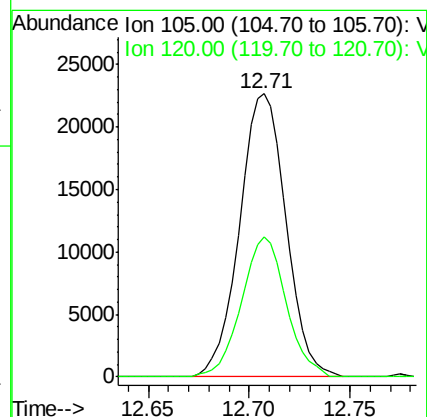
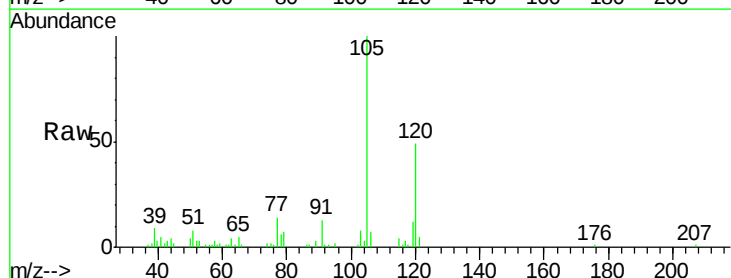
Acq: 20 Oct 2020 15:55

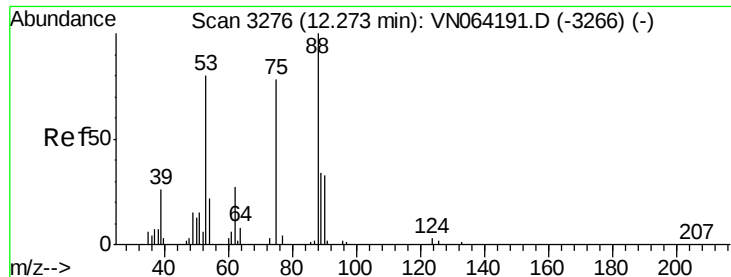
Tgt Ion: 105 Resp: 36559

Ion Ratio Lower Upper

105 100

120 47.4 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 2.755 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

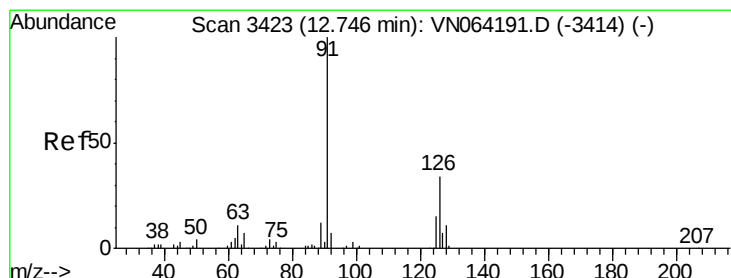
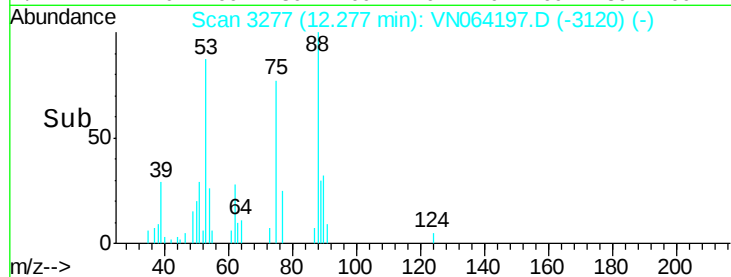
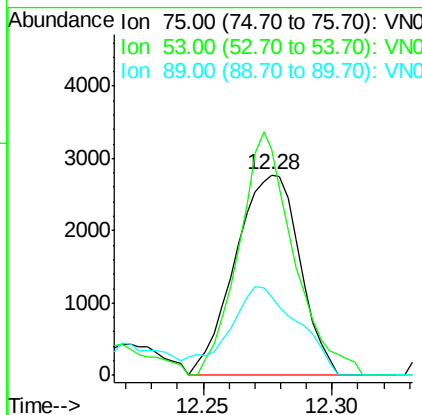
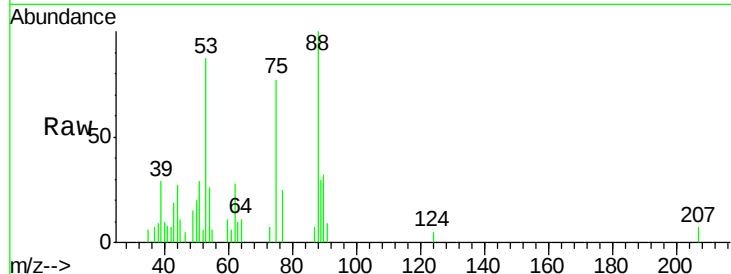
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	75	Resp:	4850
Ion	Ratio	Lower	Upper
75	100		
53	113.0	51.4	154.2
89	39.4	23.8	71.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 2.525 ug/l

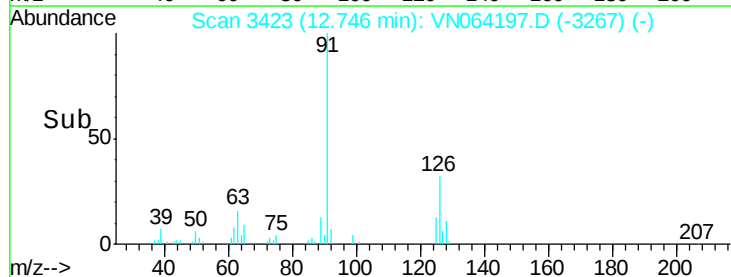
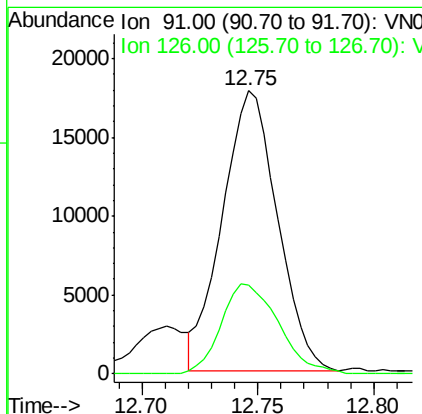
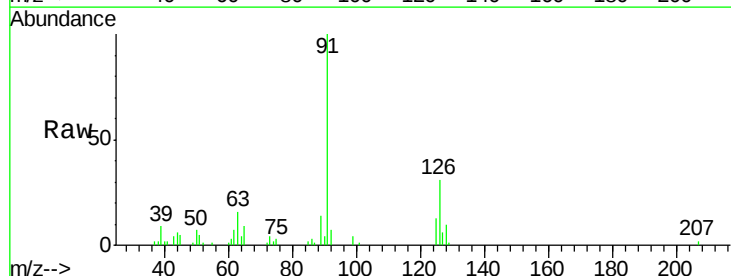
RT: 12.75 min Scan# 3423

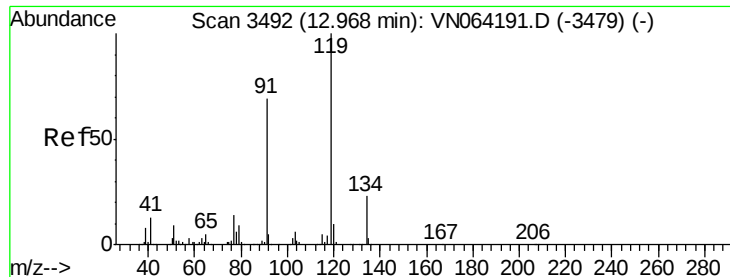
Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	91	Resp:	29391
Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	63.2





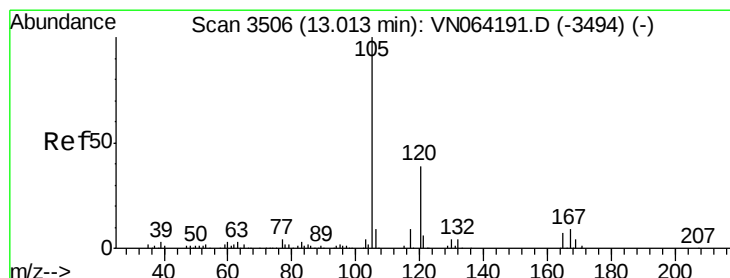
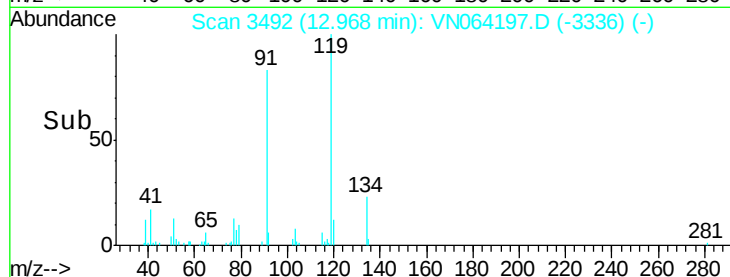
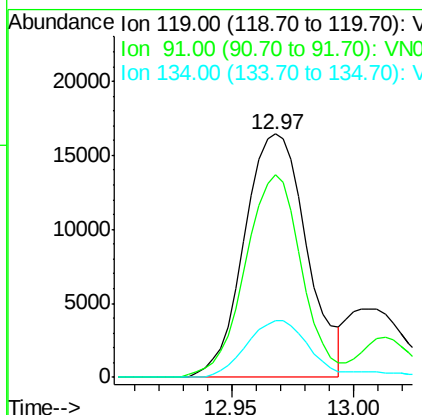
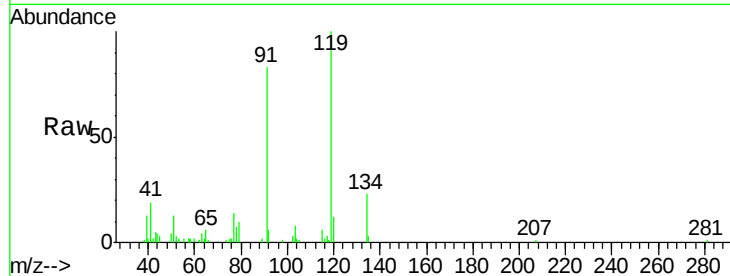
#79
tert-butylbenzene
Concen: 2.670 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	29255		
91	75.5	0.0	143.2	
134	23.3	0.0	49.2	

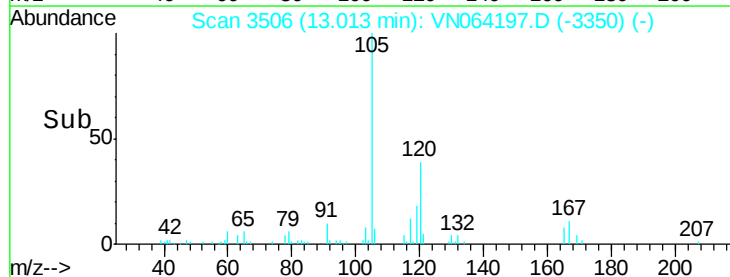
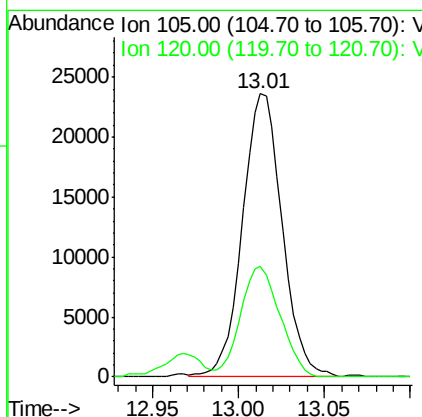
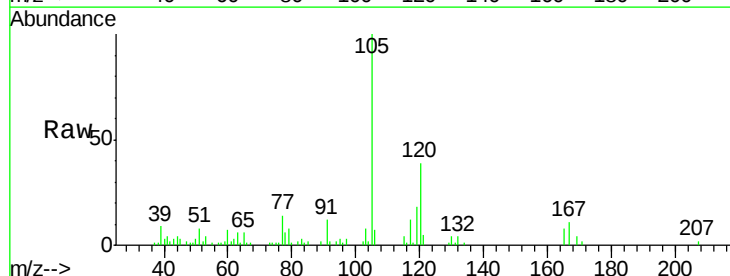
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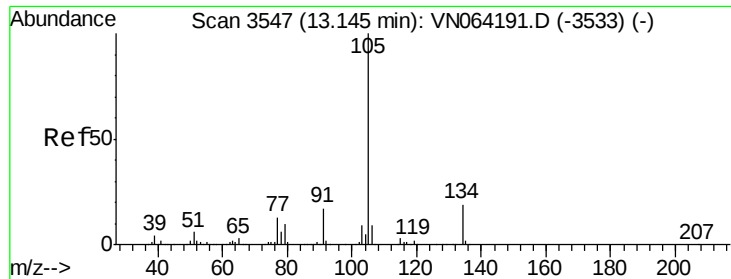
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 2.783 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37862		
120	38.8	0.0	85.8	





#81

sec-Butylbenzene

Concen: 2.604 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 37114

Ion Ratio Lower Upper

105 100

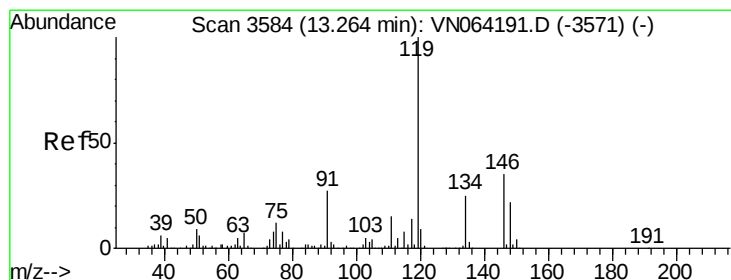
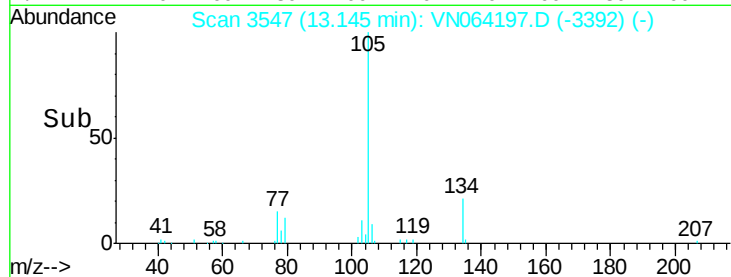
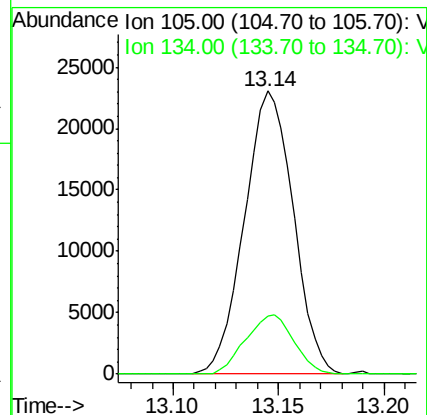
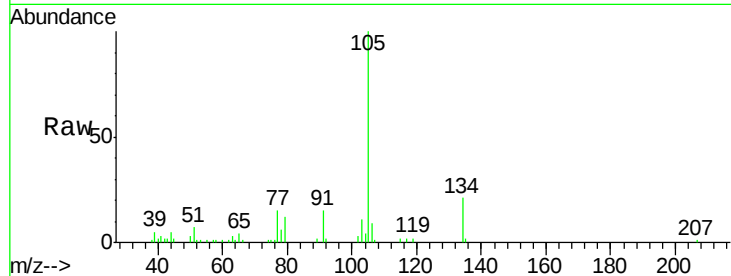
134 20.6 0.0 38.4

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 2.637 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

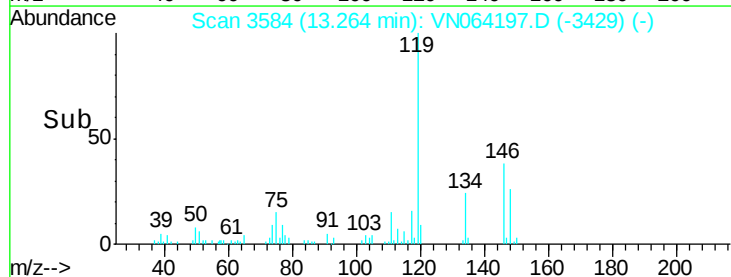
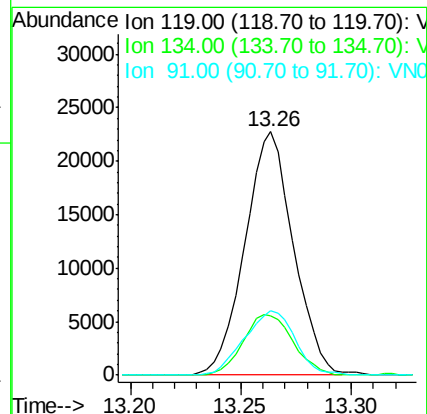
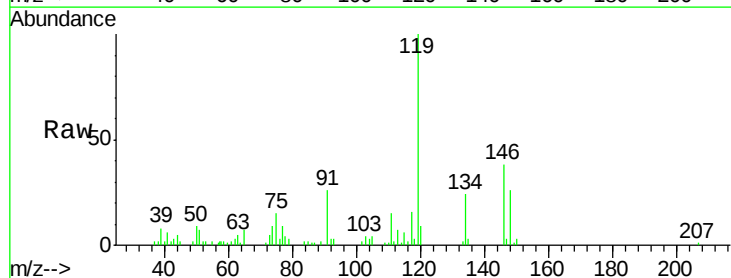
Tgt Ion:119 Resp: 34784

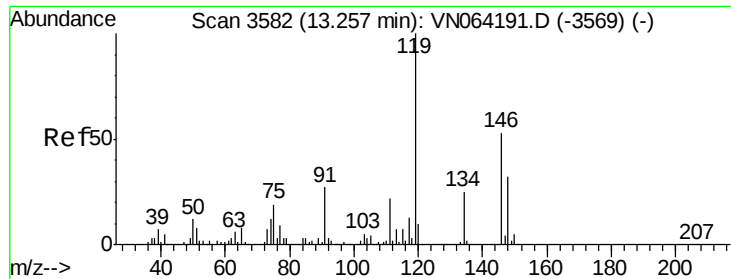
Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.4

91 27.6 0.0 52.8





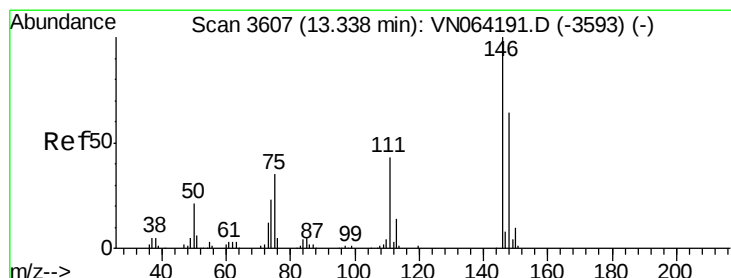
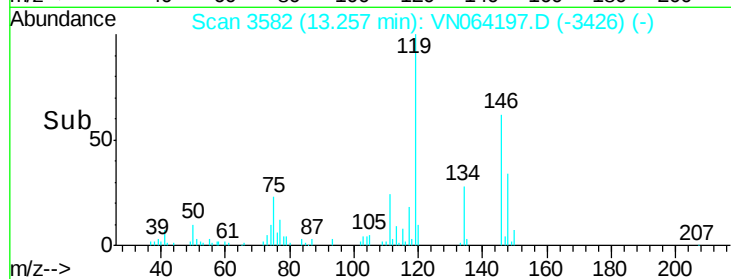
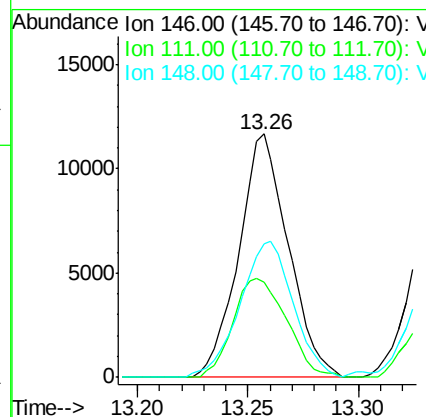
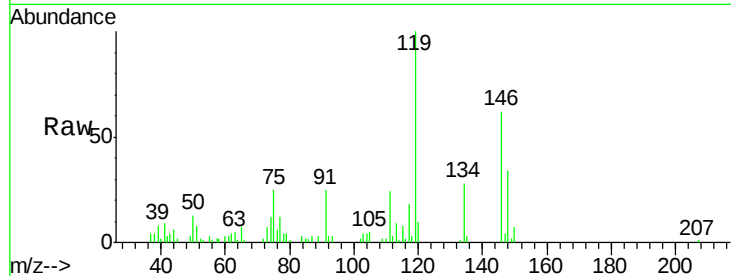
#83
 1,3-Dichlorobenzene
 Concen: 2.668 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	18159		
111	43.9	21.8	65.4	
148	60.0	31.4	94.2	

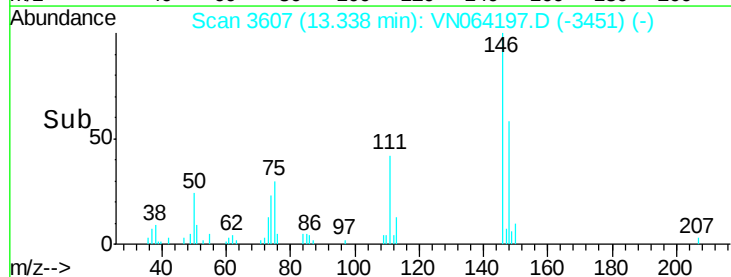
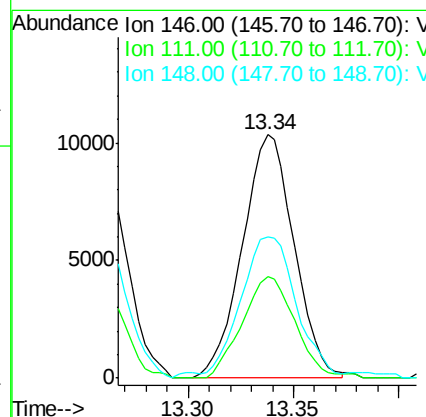
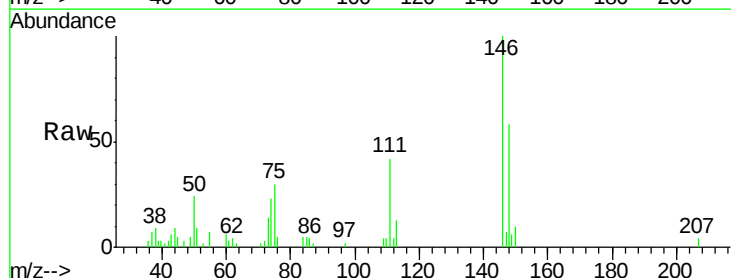
Manual Integrations
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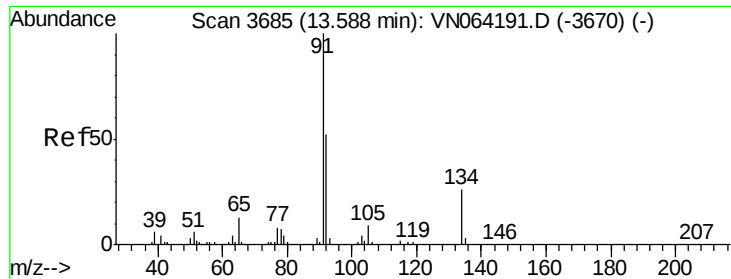
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#84
 1,4-Dichlorobenzene
 Concen: 2.588 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	17639		
111	42.1	20.9	62.8	
148	60.0	30.9	92.7	





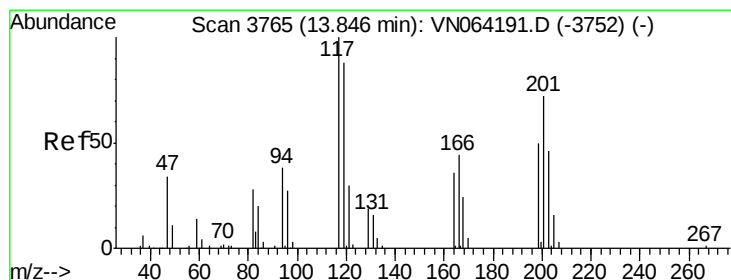
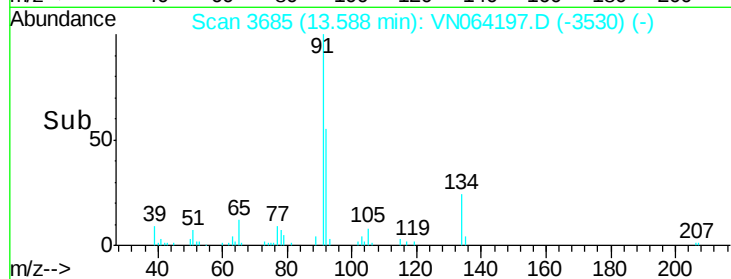
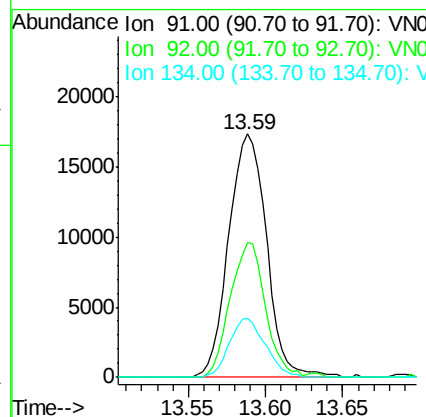
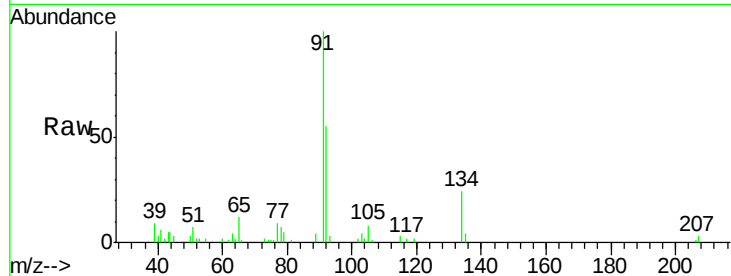
#85
n-Butylbenzene
Concen: 2.522 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	29535		
92	51.2		0.0	104.8
134	23.0		0.0	49.8

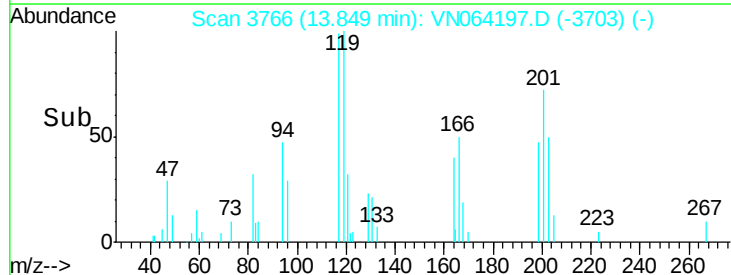
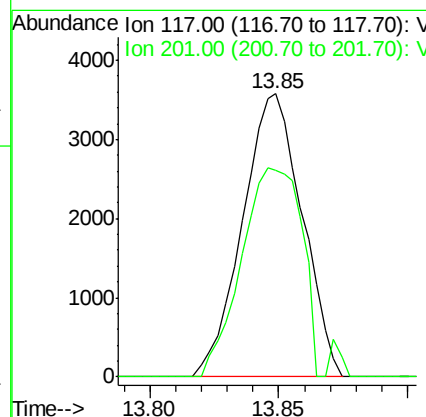
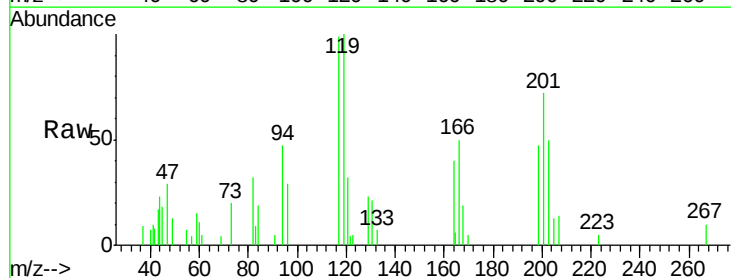
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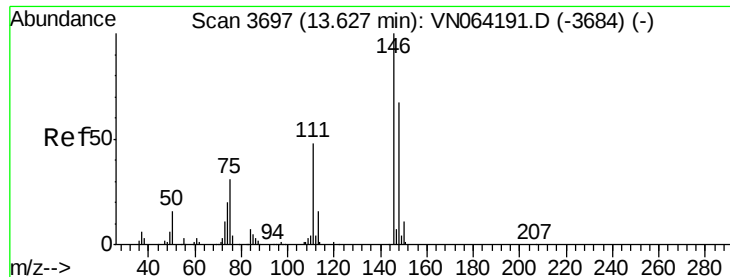
MMDadoda
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#86
Hexachloroethane
Concen: 2.533 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	5752		
201	74.7		37.5	112.3





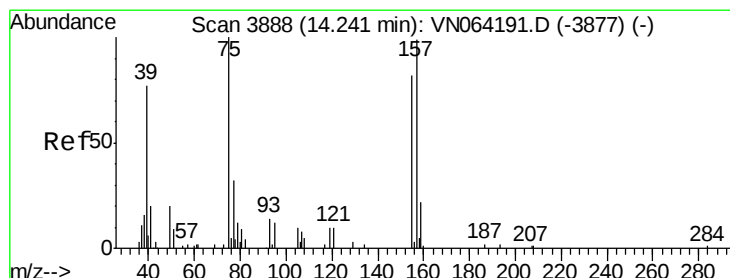
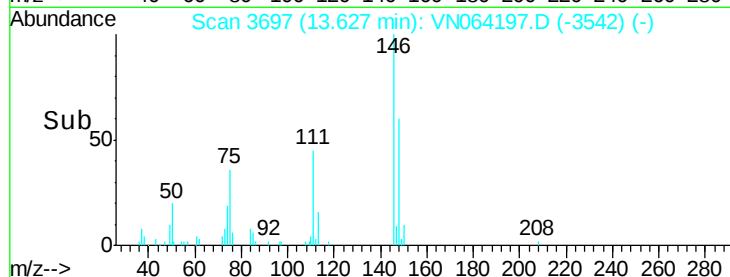
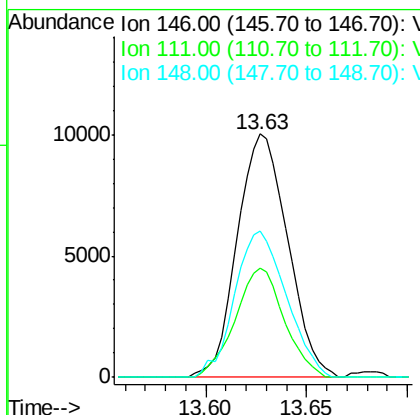
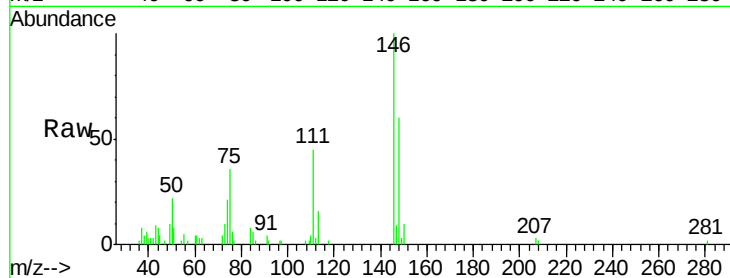
#87
 1,2-Dichlorobenzene
 Concen: 2.644 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.6	67.8
148	61.4	32.6	97.8

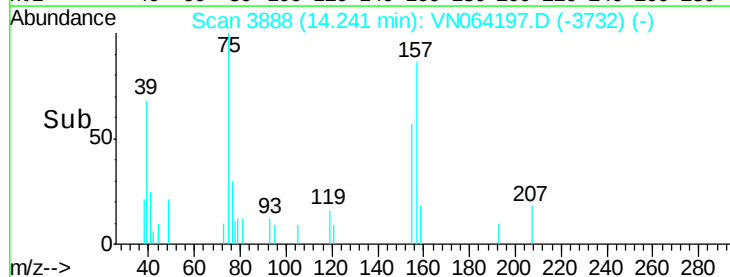
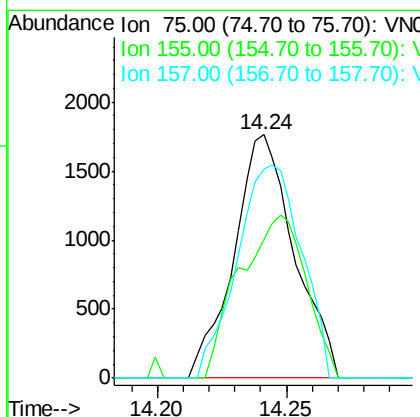
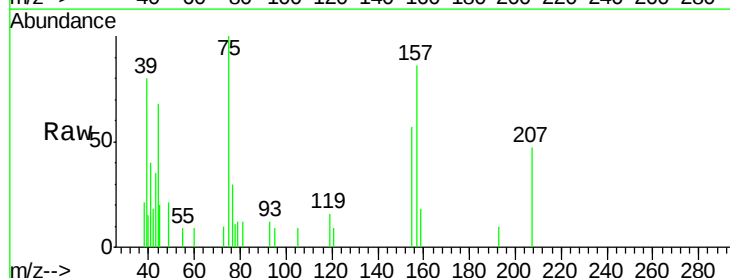
Manual Integrations
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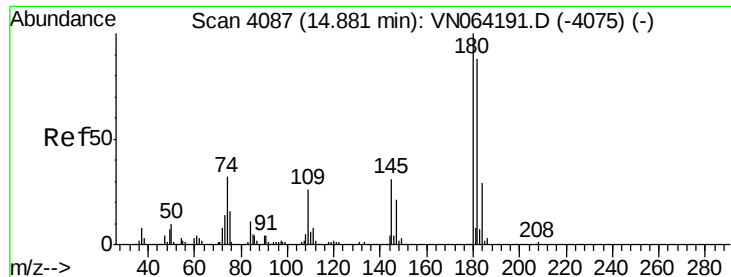
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.637 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	61.1	91.7
157	93.0	76.5	114.7





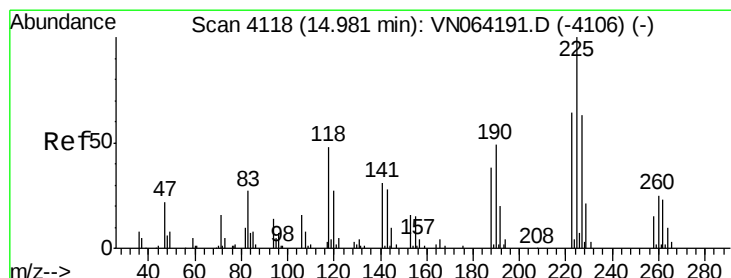
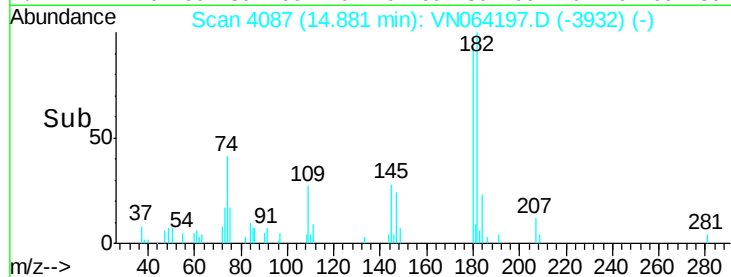
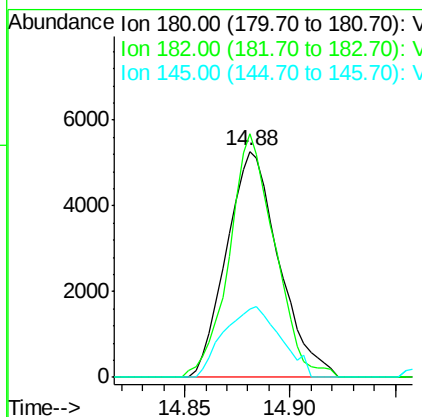
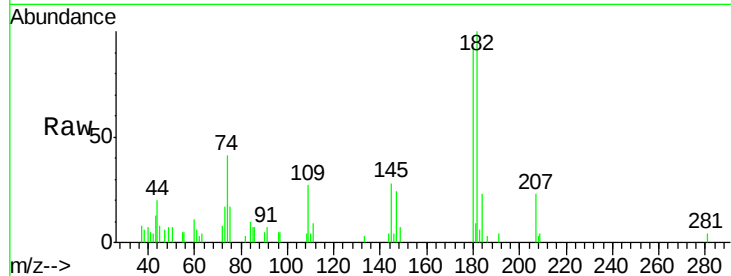
#89
 1,2,4-Trichlorobenzene
 Concen: 2.280 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	73.0	109.4
145	32.5	24.3	36.5

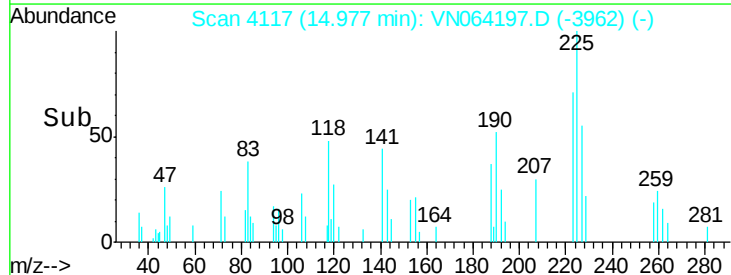
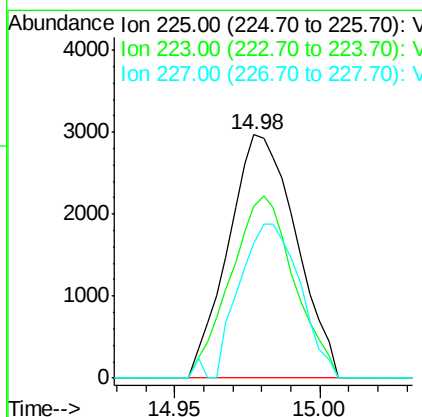
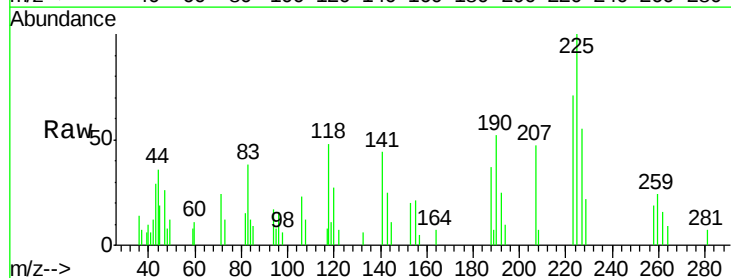
Manual Integrations
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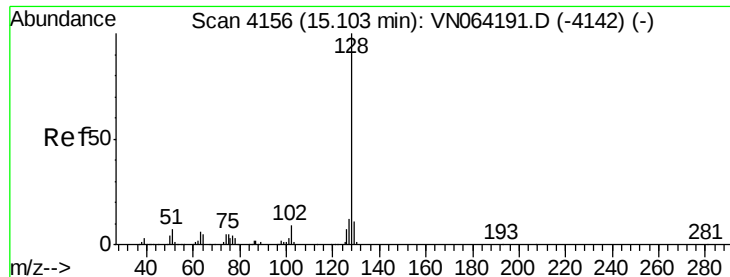
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 2.377 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.1	0.0	127.0
227	56.3	0.0	129.4





#91

Naphthalene

Concen: 2.267 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

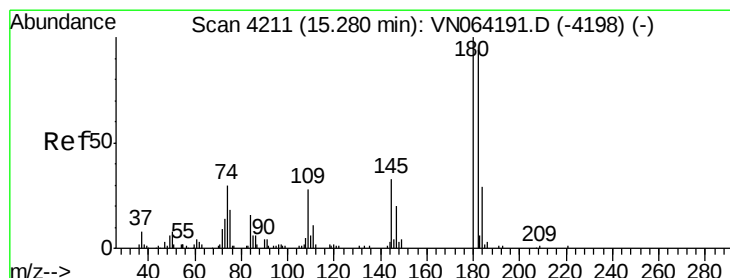
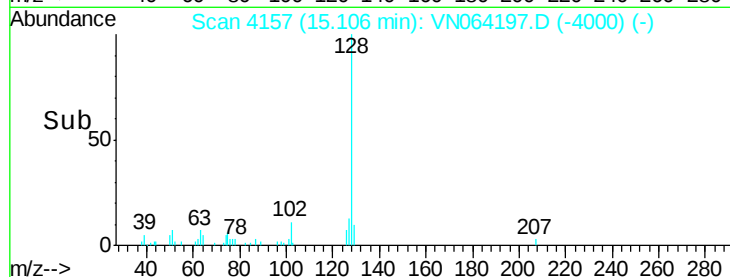
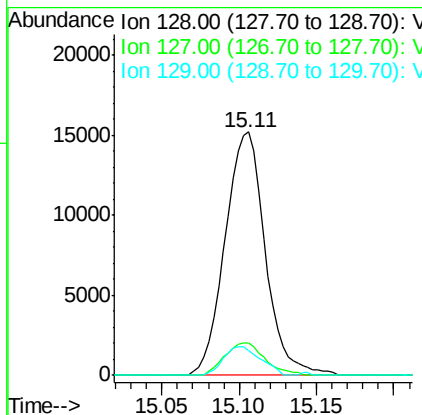
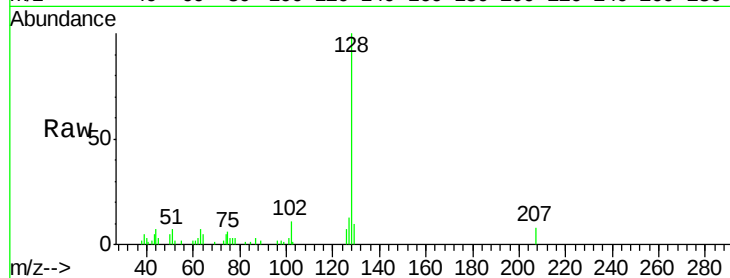
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	128	Resp:	27394
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:48 PM



#92

1,2,3-Trichlorobenzene

Concen: 2.292 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:	180	Resp:	8738
Ion Ratio	Lower	Upper	
180	100		
182	99.6	0.0	190.0
145	38.6	0.0	66.6

