

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064292.D
 Acq On : 23 Oct 2020 17:43
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:05 PM

Quant Time: Oct 26 07:20:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.16	128	42072	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	245458	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	219209	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	121320	33.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.13%#
60) 4-Bromofluorobenzene	12.38	95	109191	27.99	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.30%
63) Toluene-d8	10.06	98	298205	30.44	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	4625	1.690 ug/l	100
3) Chloromethane	2.04	50	5136	1.777 ug/l	98
4) Vinyl Chloride	2.16	62	5302	1.826 ug/l #	88
5) Bromomethane	2.54	94	4452m	2.336 ug/l	
6) Chloroethane	2.68	64	3156	1.853 ug/l #	56
7) Trichlorofluoromethane	2.98	101	9452	1.924 ug/l	96
8) Diethyl Ether	3.38	74	3005m	1.857 ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5003m	2.043 ug/l	
10) 1,1-Dichloroethene	3.69	96	4921m	2.096 ug/l	
11) Methyl Iodide	3.91	142	5600m	1.665 ug/l	
12) Methyl Acetate	4.27	43	6211m	2.262 ug/l	
13) Acrolein	3.57	56	2589m	11.493 ug/l	
14) Acrylonitrile	4.94	53	10259m	9.656 ug/l	
15) Acetone	3.78	58	3803m	11.182 ug/l	
16) Carbon Disulfide	4.01	76	13644	2.006 ug/l #	92
17) Allyl chloride	4.28	41	10286	2.285 ug/l	85
18) Methylene Chloride	4.50	84	6668m	2.429 ug/l	
19) trans-1,2-Dichloroethene	4.99	96	4825	1.808 ug/l #	80
20) Diisopropyl ether	5.90	45	16716m	1.949 ug/l	
21) 1,1-Dichloroethane	5.79	63	9414	1.841 ug/l #	95
22) cis-1,2-Dichloroethene	6.78	96	6376m	2.083 ug/l	
23) tert-Butyl Alcohol	4.74	59	5660m	11.489 ug/l	
24) Methyl tert-Butyl Ether	4.98	73	15544m	1.906 ug/l	
25) Chloroform	7.33	83	12328m	2.227 ug/l	
26) Cyclohexane	7.61	56	7442	1.876 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	8010m	1.888 ug/l	
30) 2-Butanone	6.79	43	16748	8.987 ug/l #	59
31) 2,2-Dichloropropane	6.78	77	10213m	1.923 ug/l	
32) 1,1,1-Trichloroethane	7.53	97	9928	1.831 ug/l #	84
33) Carbon Tetrachloride	7.73	117	9564	1.969 ug/l	93
34) Benzene	8.00	78	22175	1.912 ug/l #	1
35) Methacrylonitrile	7.12	41	3166	1.685 ug/l	93
36) 1,2-Dichloroethane	8.09	62	9933	2.009 ug/l #	93
37) Trichloroethene	8.80	130	5762	1.806 ug/l	97
38) Methylcyclohexane	9.04	83	7077m	1.827 ug/l	
39) 1,2-Dichloropropane	9.09	63	6343	2.046 ug/l	97
40) Dibromomethane	9.18	93	4553	2.099 ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	8744	1.859	ug/l #	94
42) Vinyl Acetate	5.85	43	73804	8.979	ug/l	96
43) Ethyl Acetate	6.89	43	7700	1.952	ug/l #	85
44) Isopropyl Acetate	8.13	43	13402	1.894	ug/l #	59
45) 1,4-Dioxane	9.16	88	1627	37.649	ug/l #	52
46) Methyl methacrylate	9.17	41	5984	1.749	ug/l	84
47) n-amyl Acetate	12.05	43	9573	1.568	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	9533	1.815	ug/l	89
49) cis-1,3-Dichloropropene	9.81	75	9631	1.766	ug/l	88
50) 1,1,2-Trichloroethane	10.54	97	5178	1.812	ug/l	96
51) Ethyl methacrylate	10.40	69	8083	1.839	ug/l	90
52) 1,3-Dichloropropane	10.68	76	9349	1.851	ug/l	94
53) Dibromochloromethane	10.87	129	6103	1.710	ug/l	92
54) 1,2-Dibromoethane	10.98	107	5876	1.925	ug/l	95
55) 2-Chloroethyl vinyl ether	9.67	63	17110	8.014	ug/l	94
56) Bromoform	12.10	173	4489	1.779	ug/l #	93
58) 4-Methyl-2-Pentanone	9.95	43	35847	9.488	ug/l	98
59) 2-Hexanone	10.73	43	28235	9.857	ug/l	95
61) Tetrachloroethene	10.60	164	6423	2.097	ug/l	94
62) Toluene	10.12	91	25252	2.001	ug/l	94
64) Chlorobenzene	11.41	112	14042	1.794	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	5921	1.894	ug/l	93
66) Ethyl Benzene	11.49	91	27046	1.869	ug/l	97
67) m/p-Xylenes	11.59	106	18887	3.520	ug/l	99
68) o-Xylene	11.92	106	9137	1.754	ug/l	89
69) Styrene	11.94	104	14870	1.714	ug/l #	74
70) Isopropylbenzene	12.23	105	24260	1.761	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	6757	1.829	ug/l #	95
72) 1,2,3-Trichloropropane	12.53	75	7911m	2.062	ug/l	
73) Bromobenzene	12.50	156	5978	1.784	ug/l	94
74) n-propylbenzene	12.57	91	28019	1.773	ug/l	99
75) 2-Chlorotoluene	12.65	91	18631	1.909	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	19315	1.655	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	2342	1.579	ug/l	74
78) 4-Chlorotoluene	12.75	91	16909	1.662	ug/l	99
79) tert-butylbenzene	12.97	119	16822	1.763	ug/l	95
80) 1,2,4-Trimethylbenzene	13.02	105	20126	1.699	ug/l	95
81) sec-Butylbenzene	13.14	105	21230	1.714	ug/l	97
82) p-Isopropyltoluene	13.26	119	18949	1.667	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	8844	1.497	ug/l	90
84) 1,4-Dichlorobenzene	13.34	146	10903	1.812	ug/l	95
85) n-Butylbenzene	13.59	91	15082	1.508	ug/l	99
86) Hexachloroethane	13.85	117	3115	1.623	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	9301	1.613	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1482	1.646	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	4409	1.340	ug/l #	87
90) Hexachlorobutadiene	14.98	225	3838	2.131	ug/l	96
91) Naphthalene	15.10	128	11883	1.235	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	3823	1.212	ug/l	81

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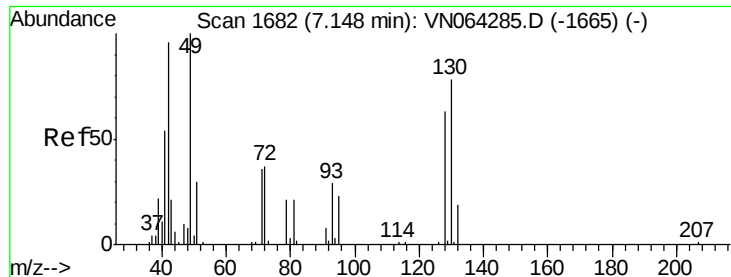
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

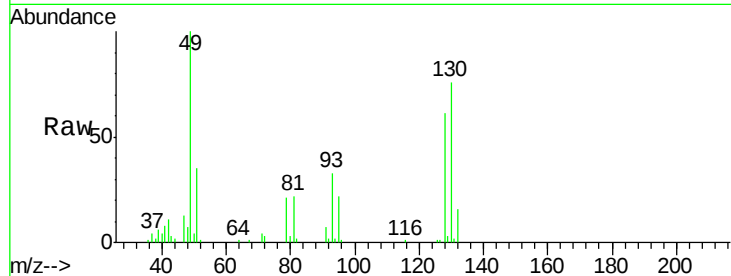
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	128	Resp:	42072
Ion	Ratio	Lower	Upper
128	100		
49	180.3	0.0	445.0
130	130.3	0.0	320.2

Manual Integrations
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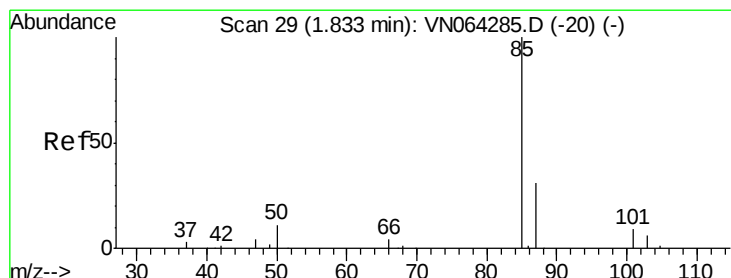
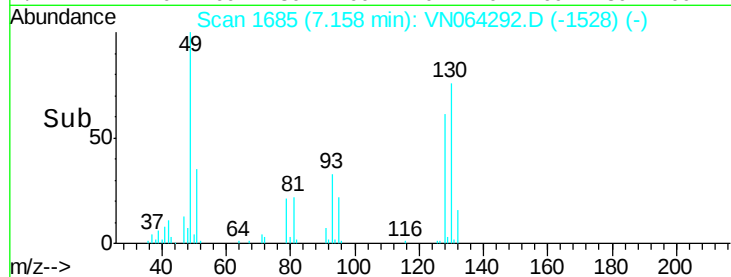
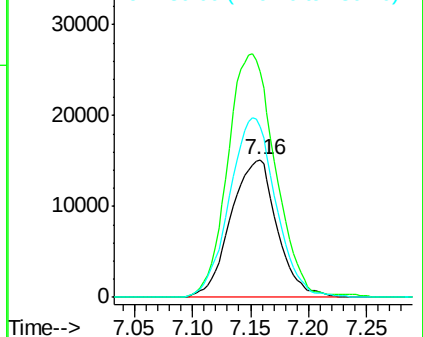
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.690 ug/l

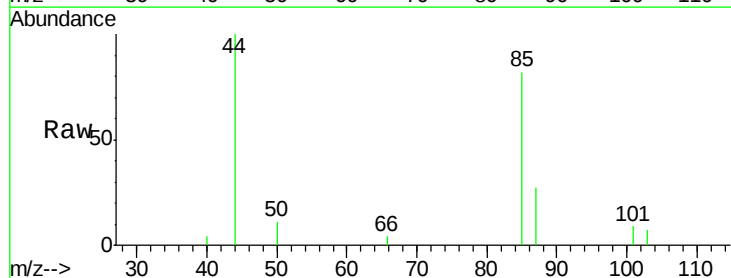
RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064292.D

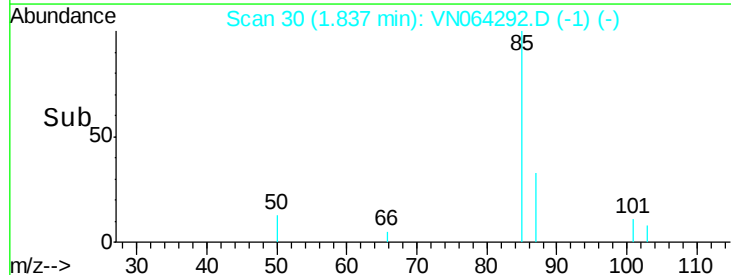
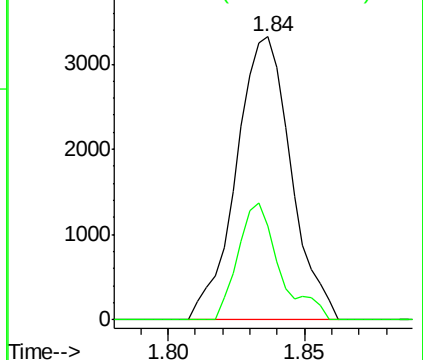
Acq: 23 Oct 2020 17:43

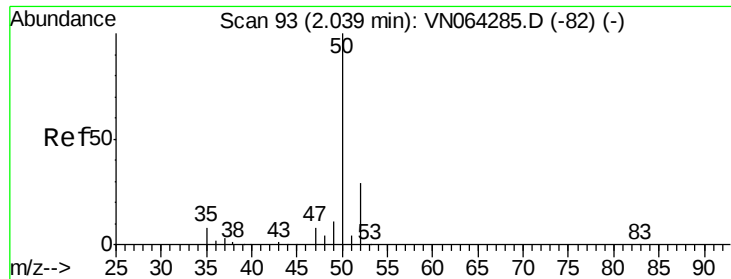
Tgt Ion:	85	Resp:	4625
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.4	49.2



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 1.777 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 5136

Ion Ratio Lower Upper

50 100

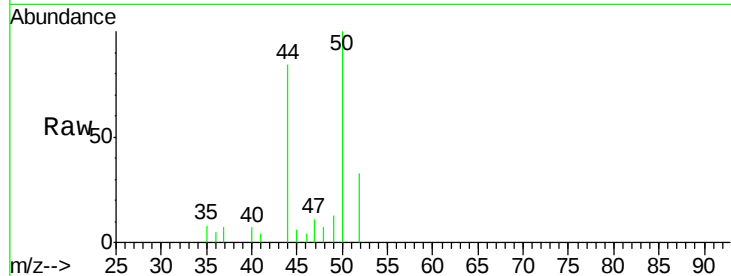
52 32.6 27.1 40.7

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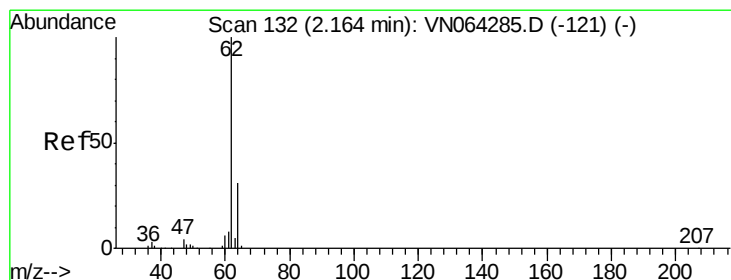
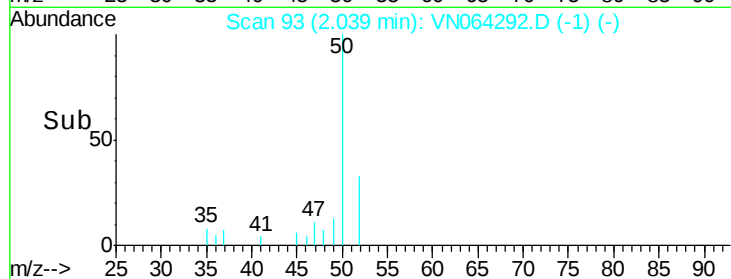
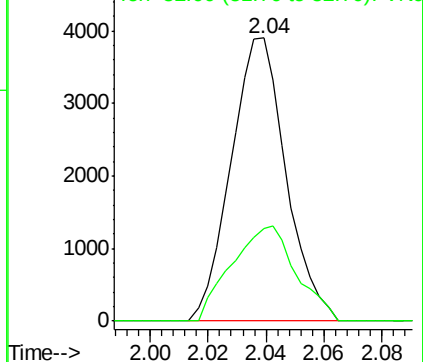
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 1.826 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064292.D

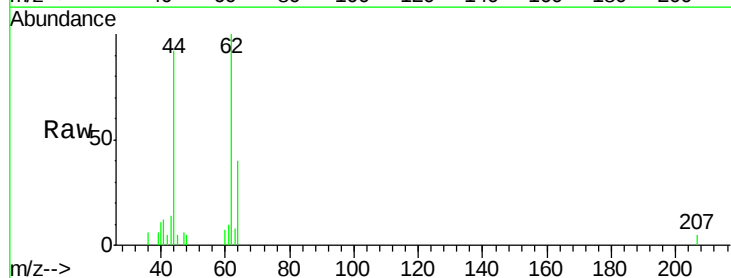
Acq: 23 Oct 2020 17:43

Tgt Ion: 62 Resp: 5302

Ion Ratio Lower Upper

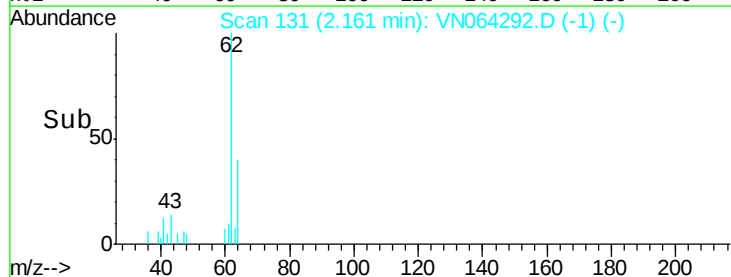
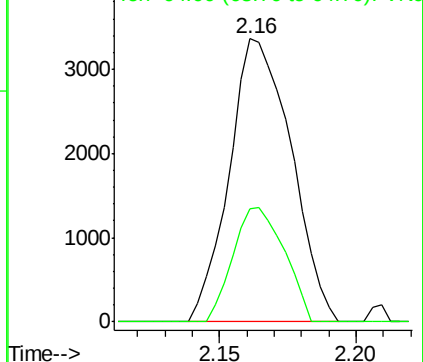
62 100

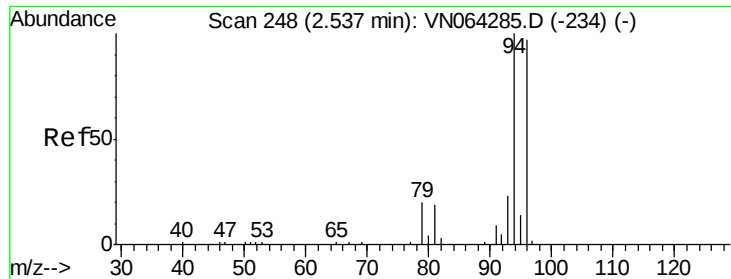
64 39.9 26.6 39.8#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 2.336 ug/l m

RT: 2.54 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 4452

Ion Ratio Lower Upper

94 100

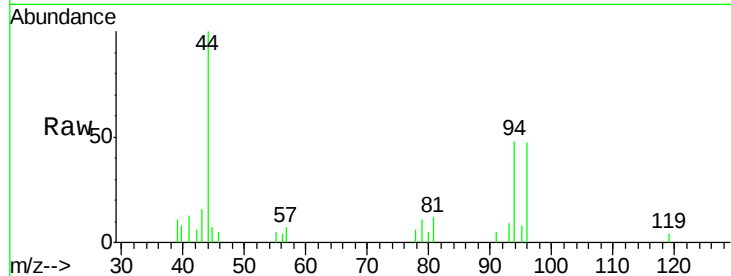
96 96.6 72.4 108.6

Manual Integrations

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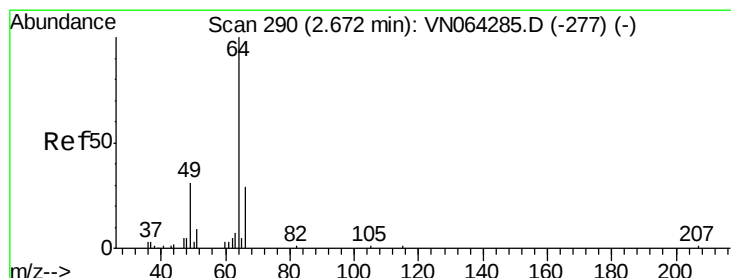
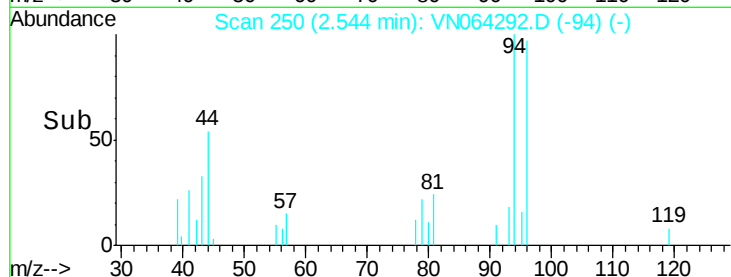
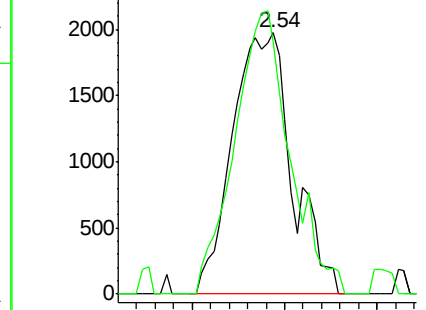
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Abundance Ion 94.00 (93.70 to 94.70): VN064292.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VN064292.D (-96) (-)



#6

Chloroethane

Concen: 1.853 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064292.D

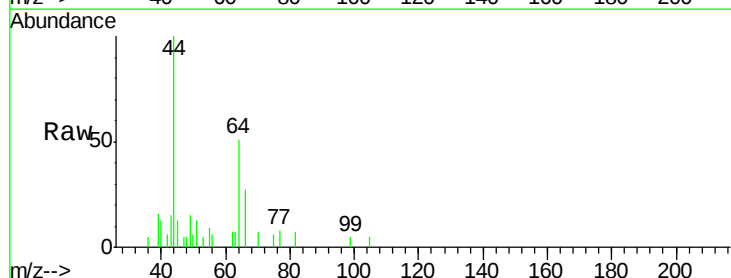
Acq: 23 Oct 2020 17:43

Tgt Ion: 64 Resp: 3156

Ion Ratio Lower Upper

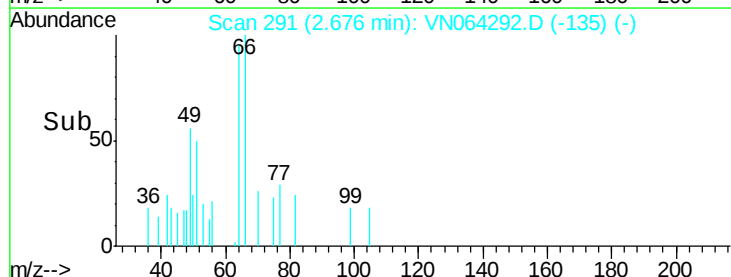
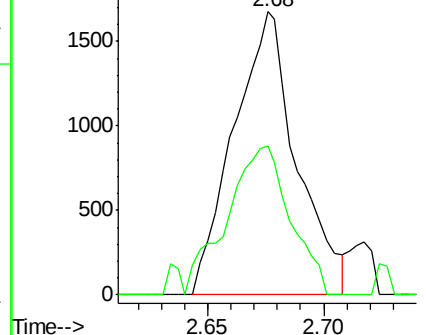
64 100

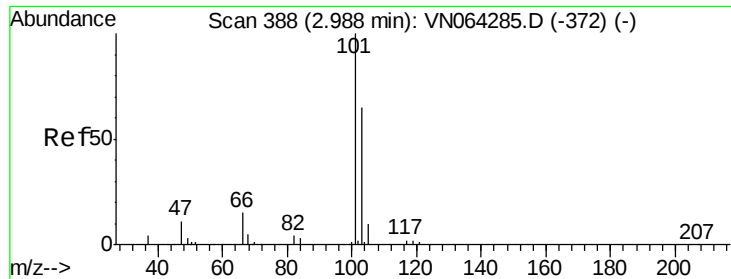
66 52.8 23.4 35.2#



Abundance Ion 64.00 (63.70 to 64.70): VN064292.D (-135) (-)

Ion 66.00 (65.70 to 66.70): VN064292.D (-136) (-)





#7

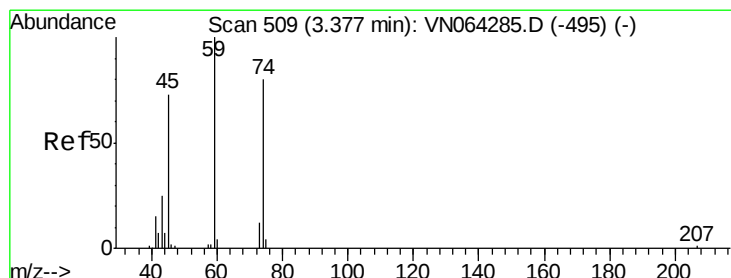
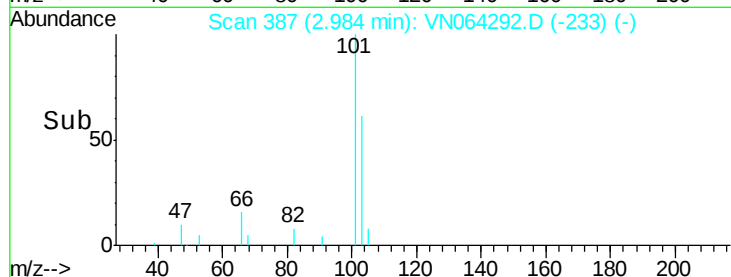
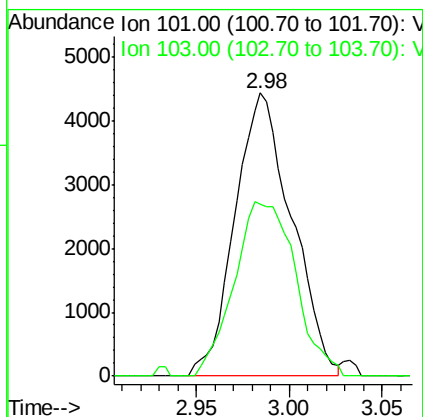
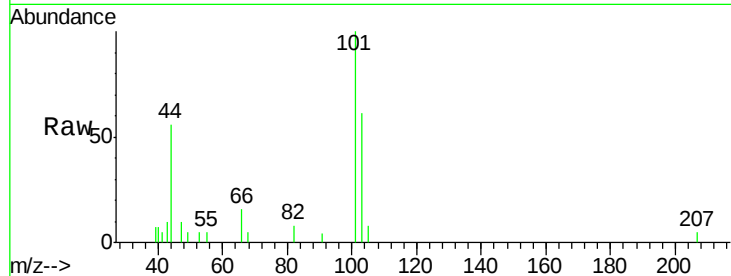
Trichlorofluoromethane
 Concen: 1.924 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Instrument :
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Tot Ion: 101 Resp: 9452
 Ion Ratio Lower Upper
 101 100
 103 60.8 51.4 77.0

Manual Integrations
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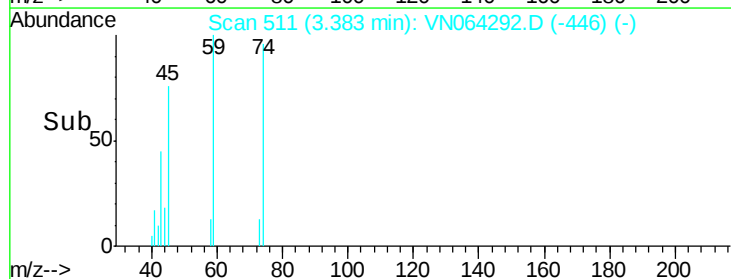
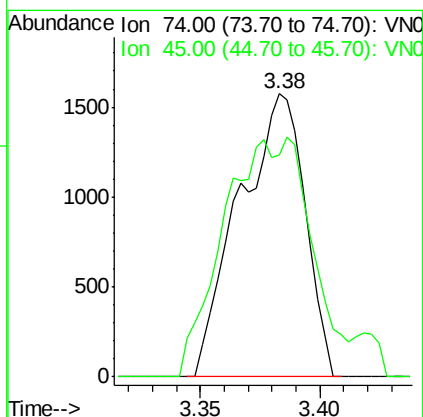
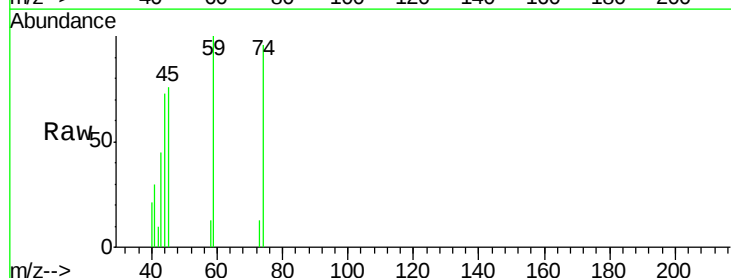
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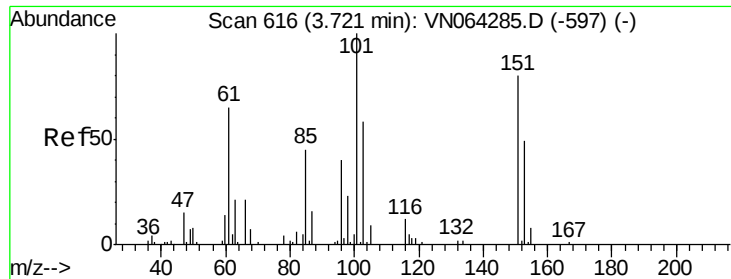


#8

Diethyl Ether
 Concen: 1.857 ug/l m
 RT: 3.38 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion: 74 Resp: 3005
 Ion Ratio Lower Upper
 74 100
 45 33.8 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.043 ug/l m

RT: 3.72 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

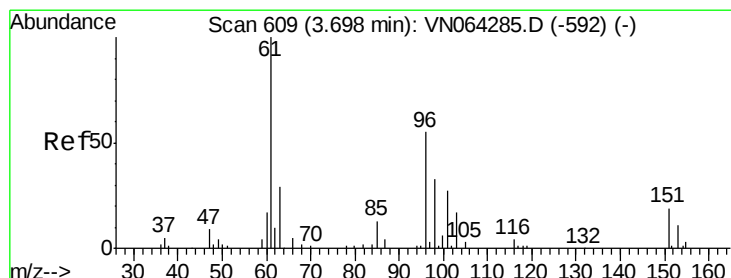
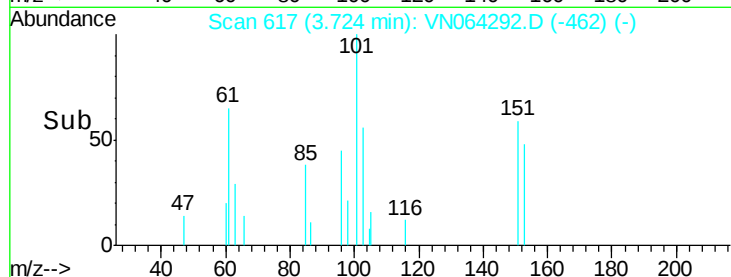
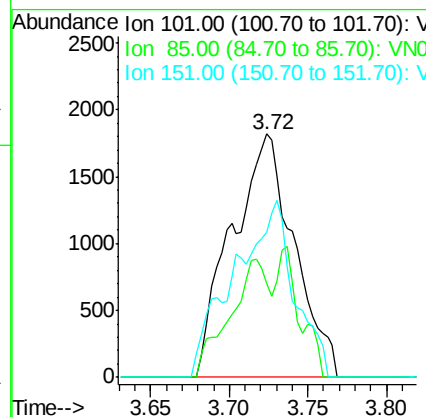
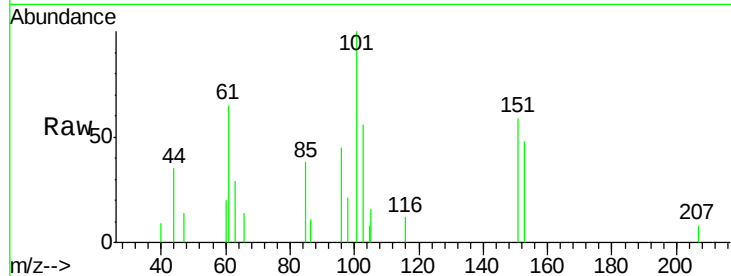
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	101	Resp:	5003
Ion Ratio	Lower	Upper	
101	100		
85	15.8	0.0	47.4
151	44.4	0.0	148.4

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#10

1,1-Dichloroethene

Concen: 2.096 ug/l m

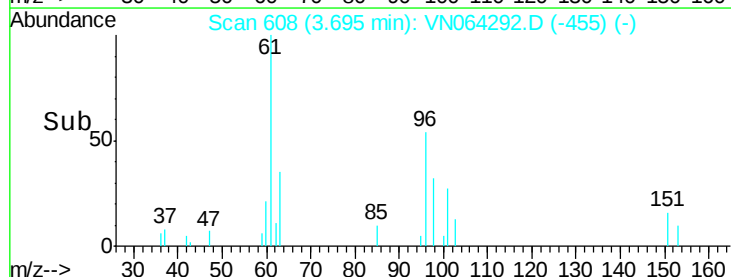
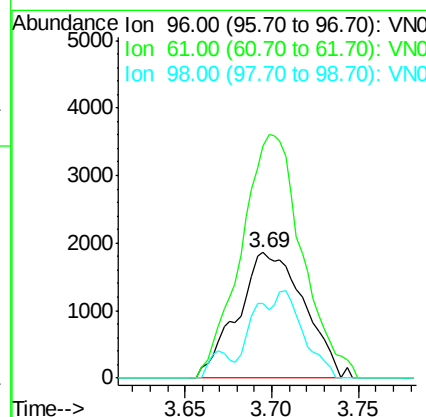
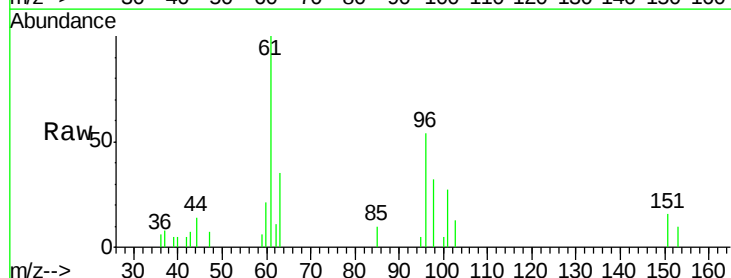
RT: 3.69 min Scan# 608

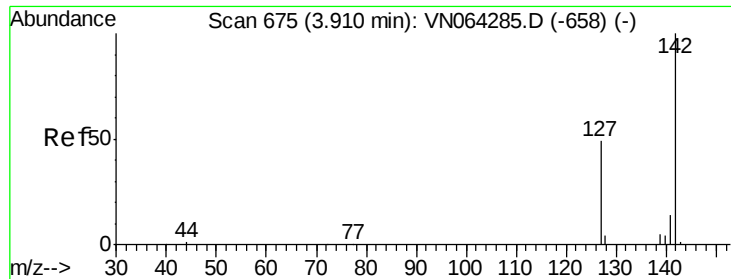
Delta R.T. -0.01 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	96	Resp:	4921
Ion Ratio	Lower	Upper	
96	100		
61	184.8	144.2	216.4
98	59.3	47.4	71.0





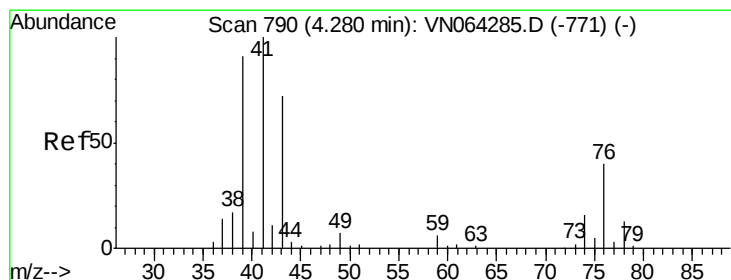
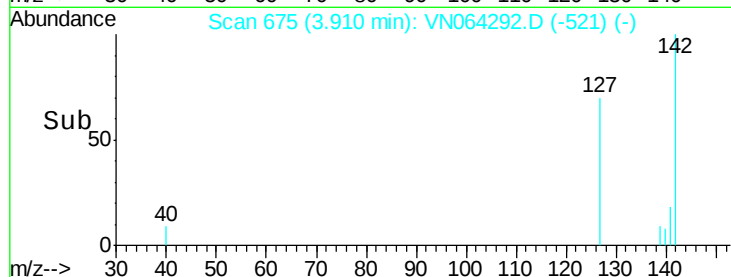
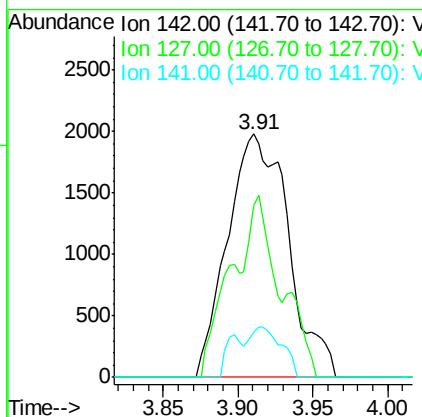
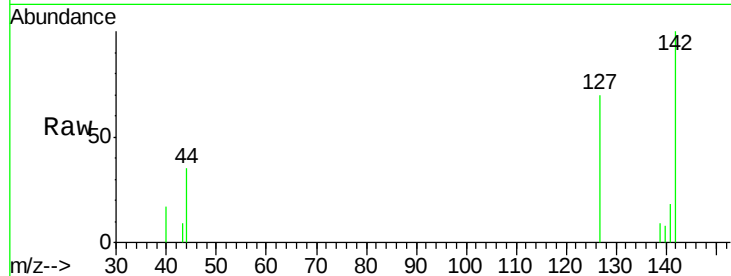
#11
Methvl Iodide
Concen: 1.665 ug/l m
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion:142 Resp: 5600
Ion Ratio Lower Upper
142 100
127 70.4 25.9 77.8
141 18.5 7.5 22.6

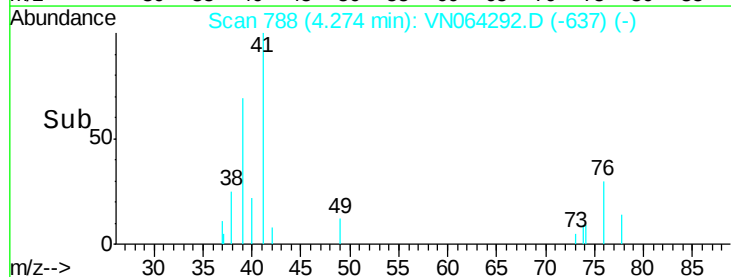
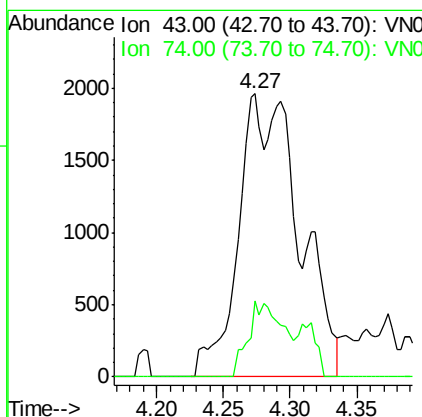
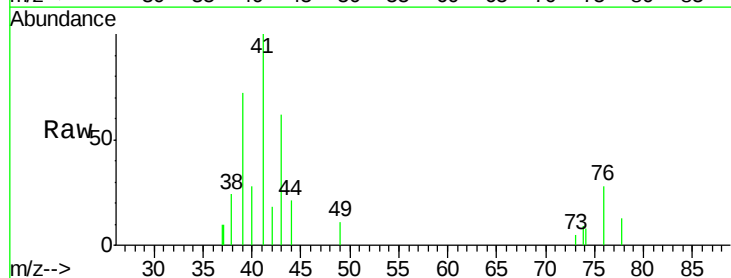
Manual Integrations
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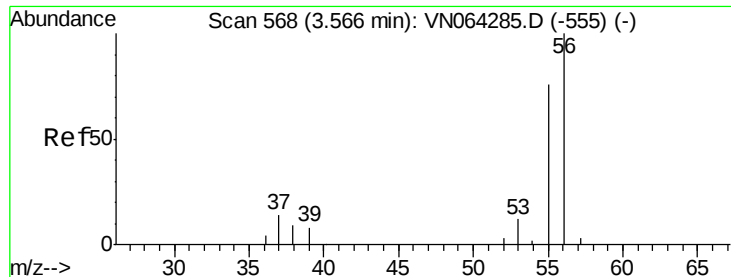
MMDadoda
10/26/2020 1:39:05 PM



#12
Methyl Acetate
Concen: 2.262 ug/l m
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion: 43 Resp: 6211
Ion Ratio Lower Upper
43 100
74 14.0 19.0 28.6#





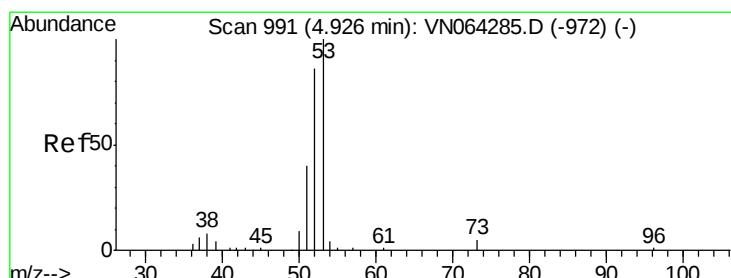
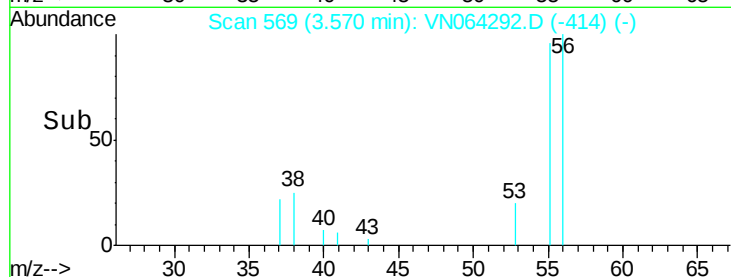
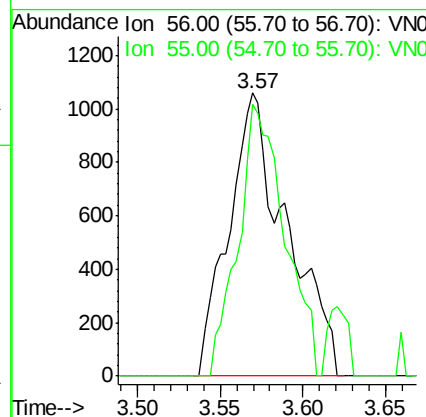
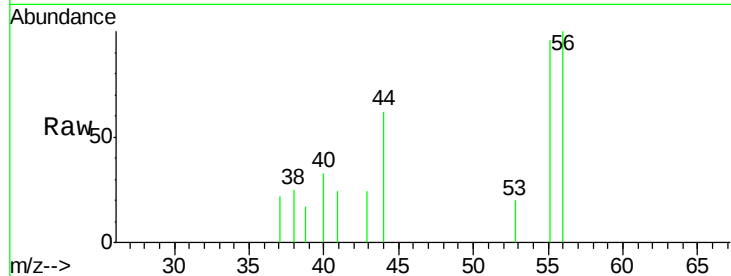
#13
Acrolein
Concen: 11.493 ug/l m
RT: 3.57 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion: 56 Resp: 2589
Ion Ratio Lower Upper
56 100
55 76.6 61.0 91.6

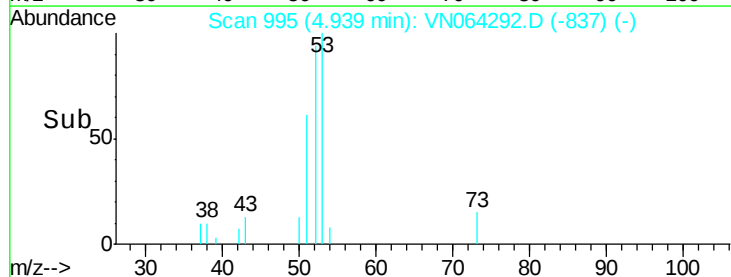
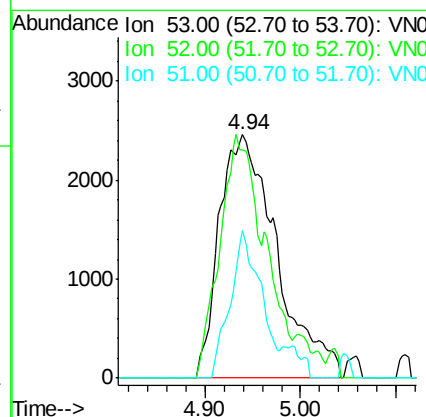
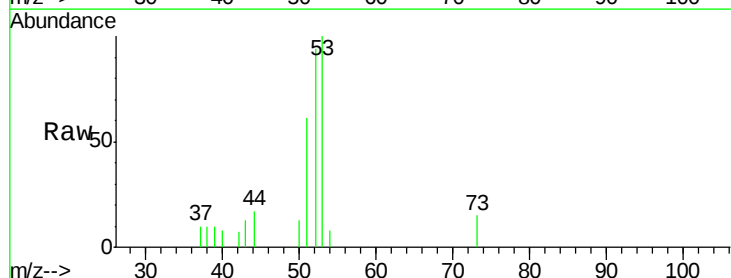
Manual Integrations
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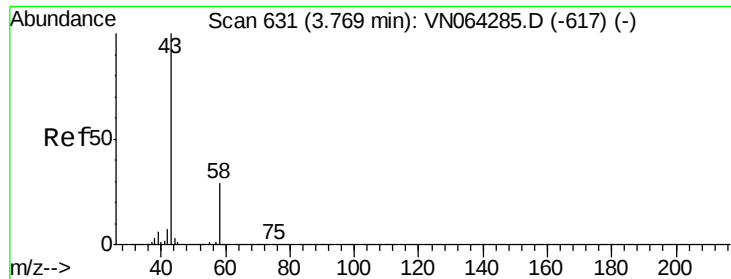
MMDadoda
10/26/2020 1:39:05 PM



#14
Acrylonitrile
Concen: 9.656 ug/l m
RT: 4.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion: 53 Resp: 10259
Ion Ratio Lower Upper
53 100
52 40.1 41.7 125.1#
51 32.5 18.9 56.7





#15

Acetone

Concen: 11.182 ug/l m

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tot Ion: 58 Resp: 3803

Ion Ratio Lower Upper

58 100

43 351.2 297.4 446.0

Instrument :

MSVOA_N

ClientSampleId :

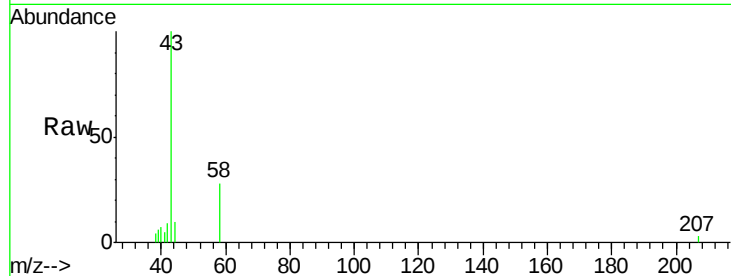
LOD-MDL-WATER-01-QT4-2020

Manual Integrations

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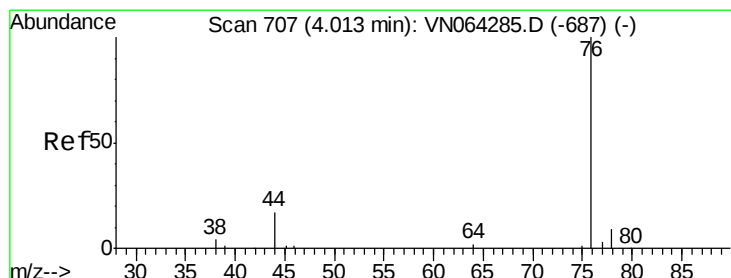
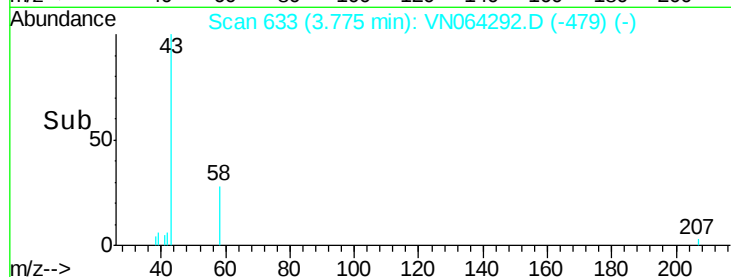
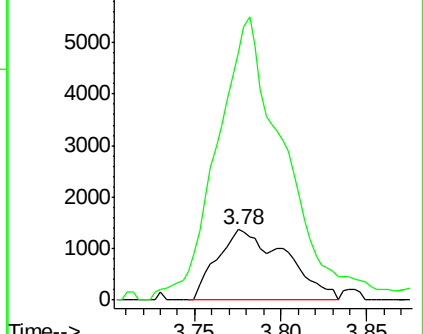
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 2.006 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064292.D

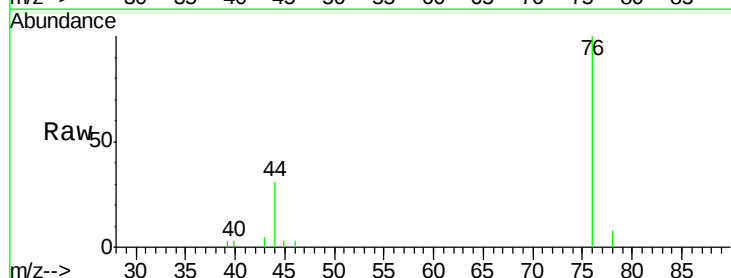
Acq: 23 Oct 2020 17:43

Tgt Ion: 76 Resp: 13644

Ion Ratio Lower Upper

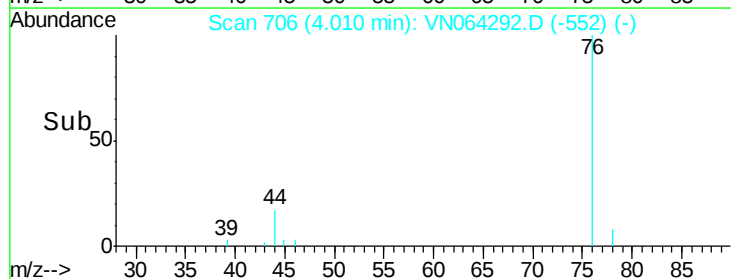
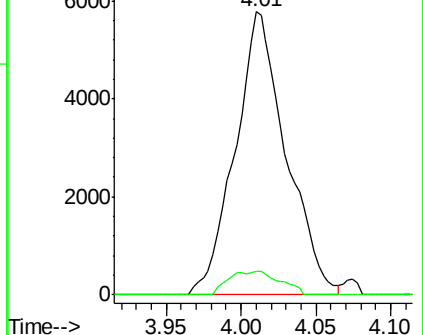
76 100

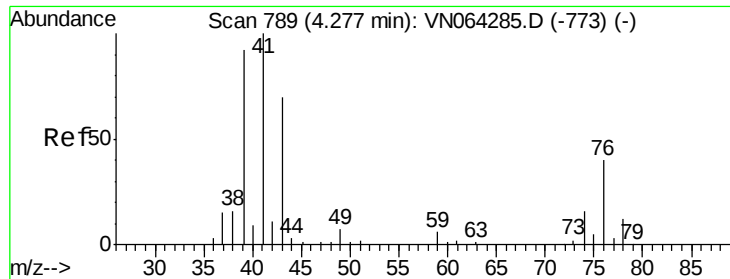
78 8.1 9.0 13.4#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





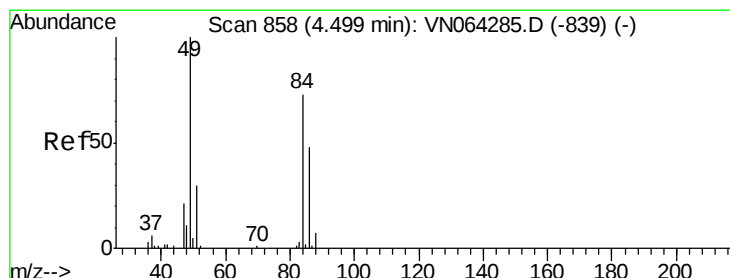
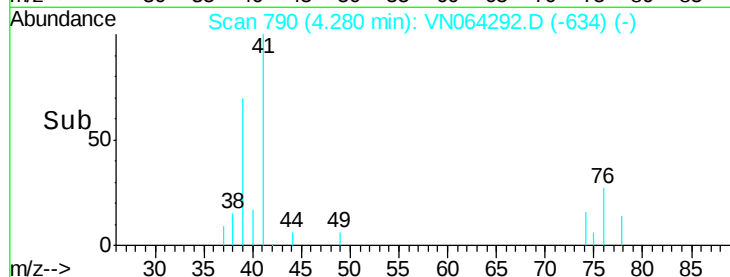
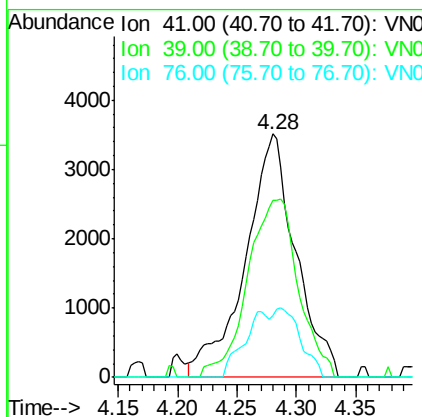
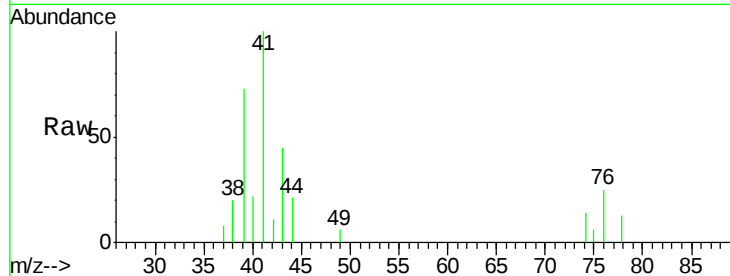
#17
Allvl chloride
Concen: 2.285 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	41	Resp	10286
Ion	Ratio	Lower	Upper
41	100		
39	72.6	39.9	119.6
76	25.5	21.4	64.2

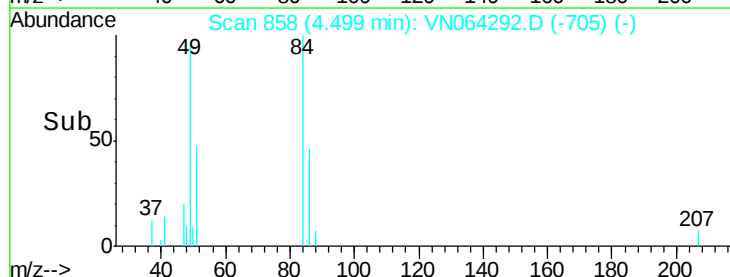
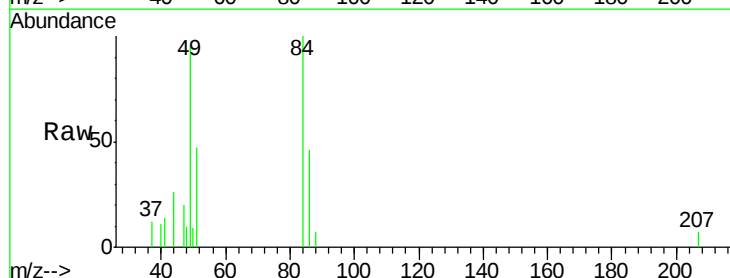
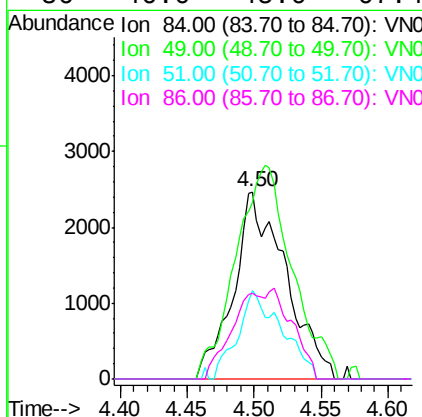
Manual Integrations
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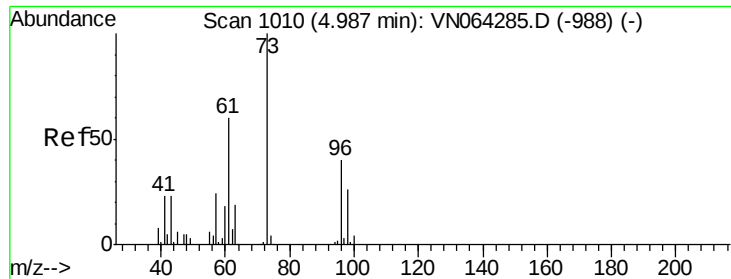
MMDadoda
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#18
Methylene Chloride
Concen: 2.429 ug/l m
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	84	Resp	6668
Ion	Ratio	Lower	Upper
84	100		
49	94.6	101.1	151.7#
51	47.4	33.4	50.0
86	46.0	45.0	67.4





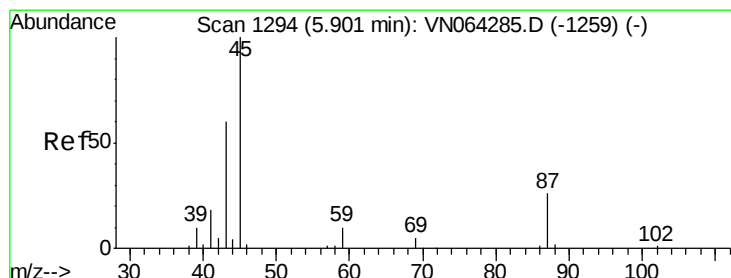
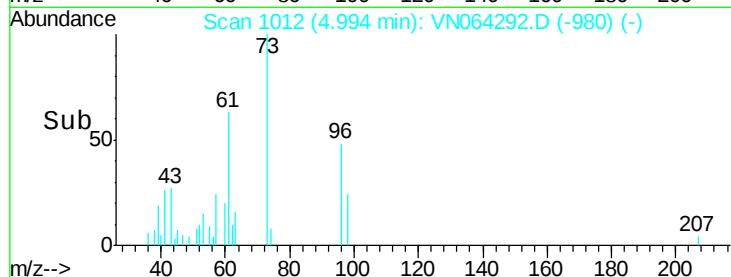
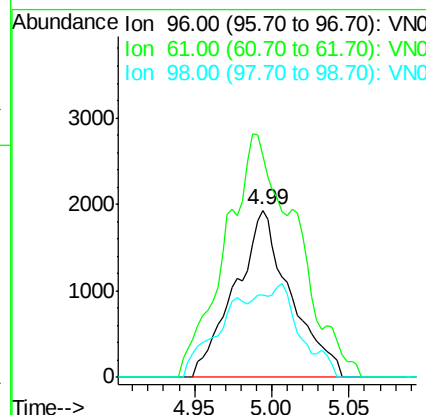
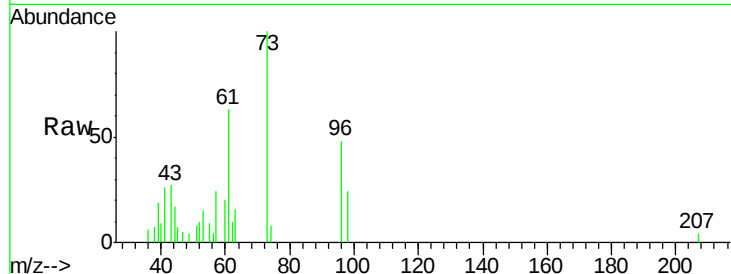
#19
trans-1,2-Dichloroethene
Concen: 1.808 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.9	114.2	171.2
98	49.4	52.8	79.2#

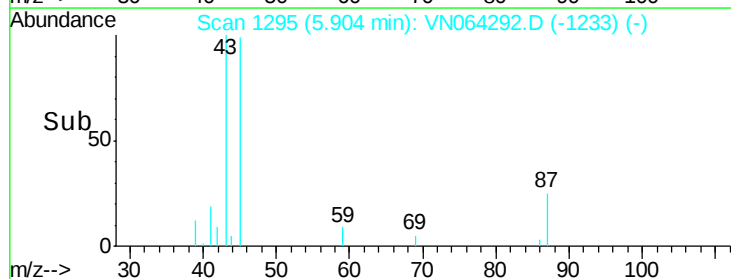
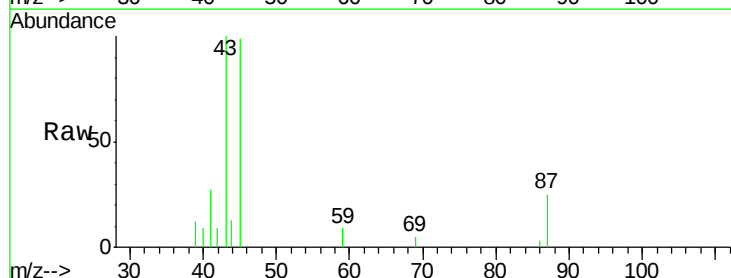
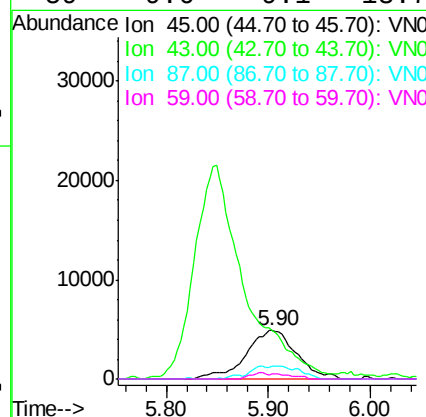
Manual Integrations
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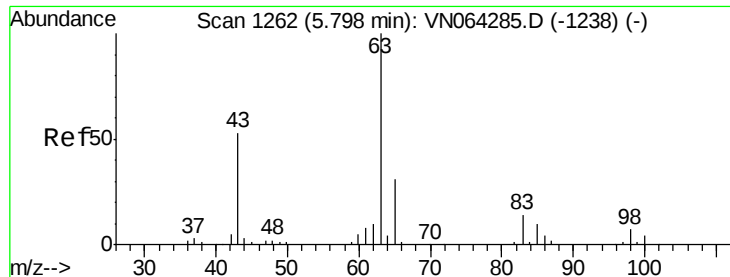
MMDadoda
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#20
Diisopropyl ether
Concen: 1.949 ug/l m
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	101.3	58.9	88.3#
87	25.6	21.0	31.4
59	9.6	9.1	13.7





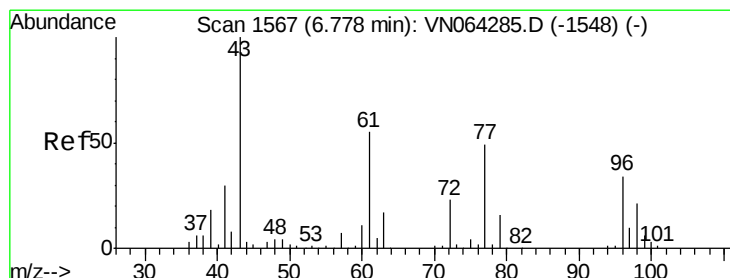
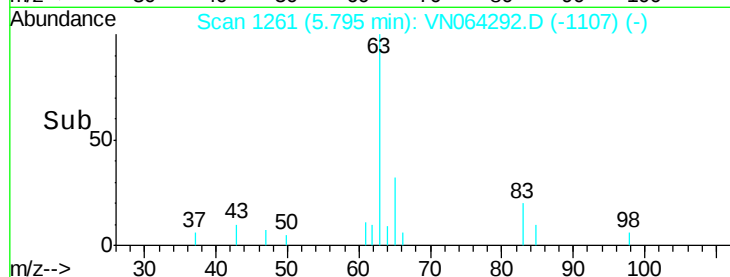
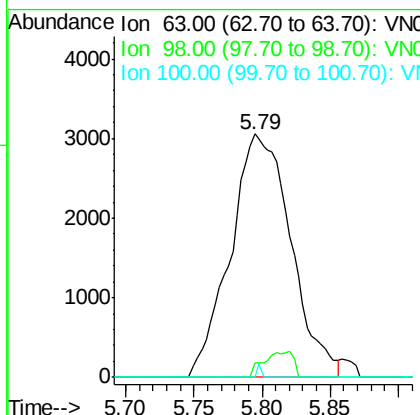
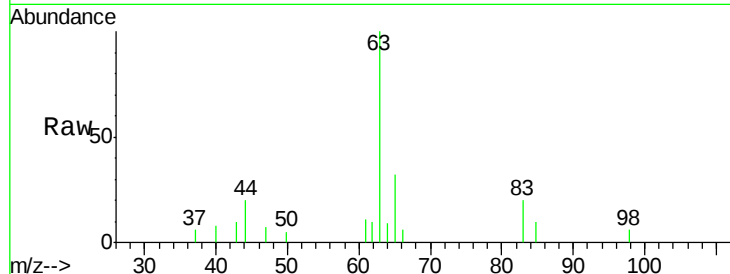
#21
 1,1-Dichloroethane
 Concen: 1.841 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.6
100	0.0	1.6	4.7#

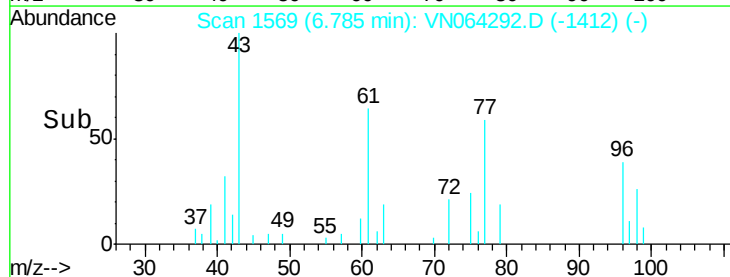
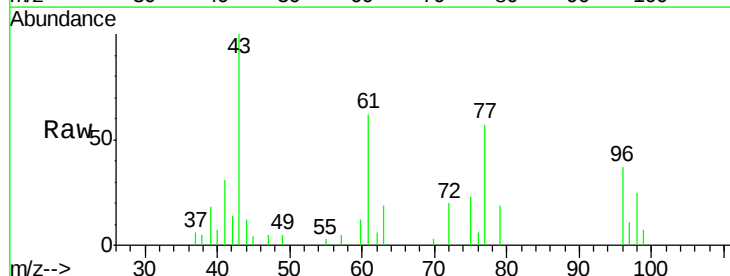
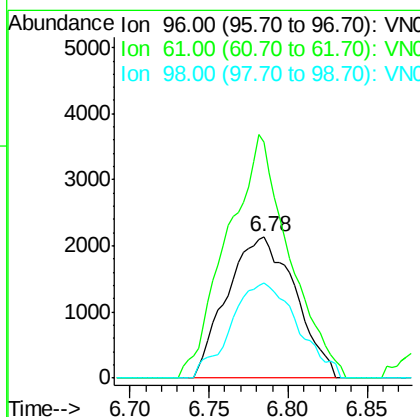
Manual Integrations
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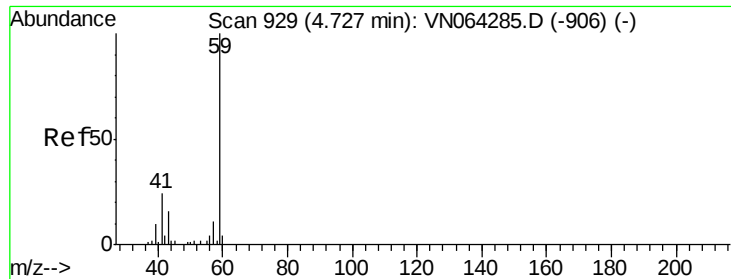
MMDadoda
 10/26/2020 1:39:05 PM



#22
 cis-1,2-Dichloroethene
 Concen: 2.083 ug/l m
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	132.2	198.2
98	64.3	26.5	39.7#





#23

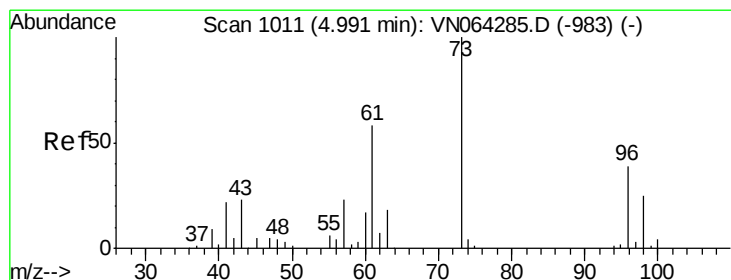
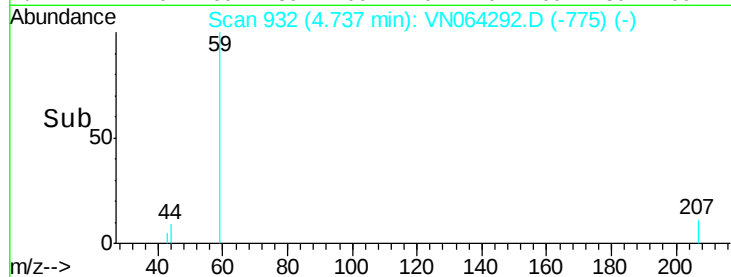
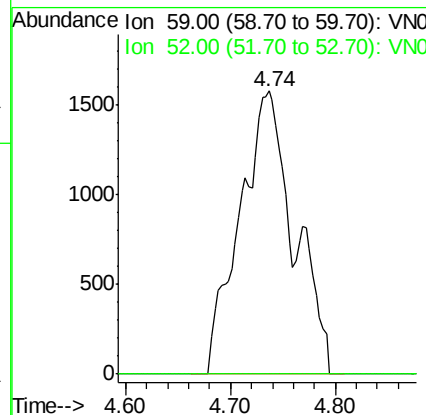
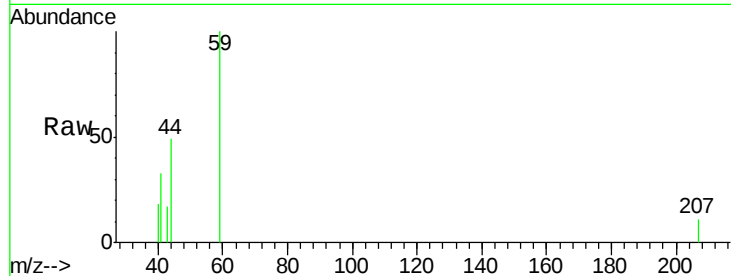
tert-Butyl Alcohol
 Concen: 11.489 ug/l m
 RT: 4.74 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion: 59 Resp: 5660
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

Manual Integrations
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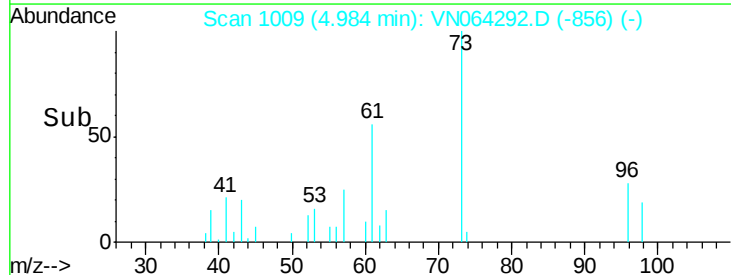
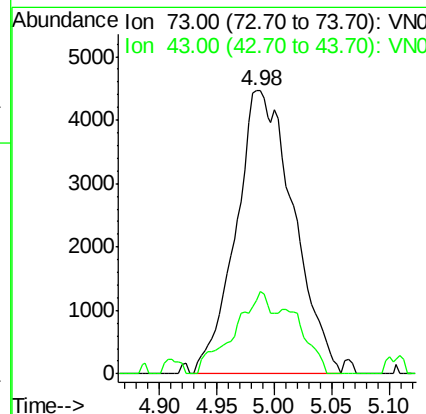
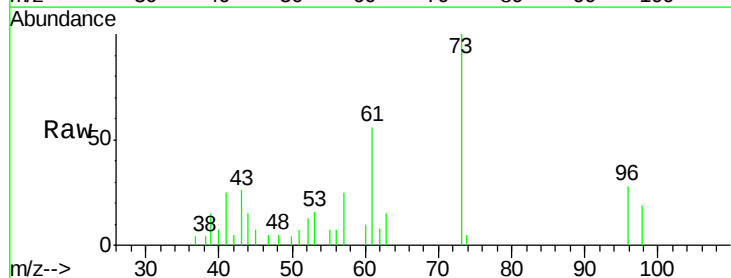
MMDadoda
 10/26/2020 1:39:05 PM

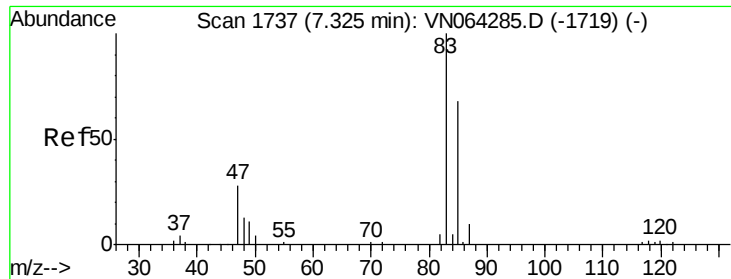


#24

Methyl tert-Butyl Ether
 Concen: 1.906 ug/l m
 RT: 4.98 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion: 73 Resp: 15544
 Ion Ratio Lower Upper
 73 100
 43 2.0 19.7 29.5#





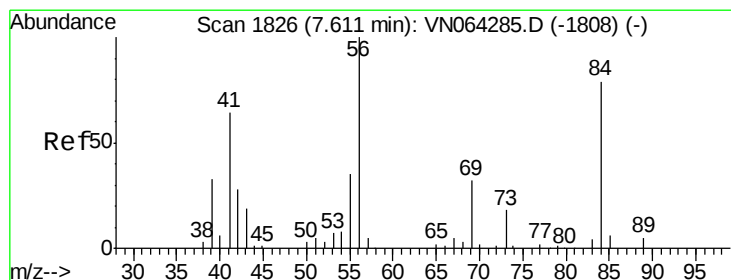
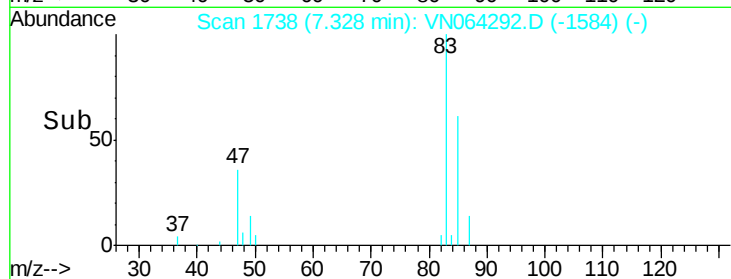
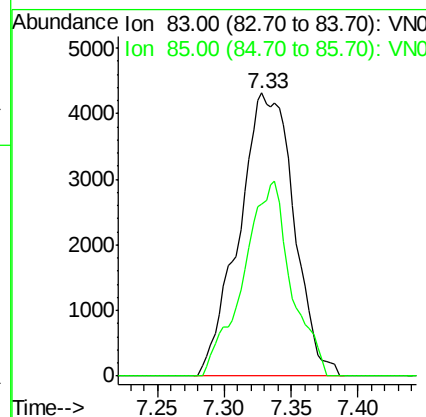
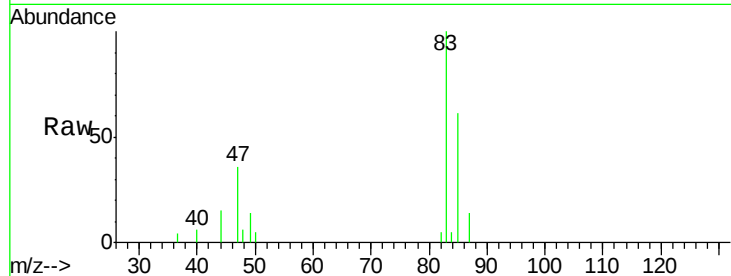
#25
Chloroform
Concen: 2.227 ug/l m
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	83	Resp	12328
Ion Ratio	100	Lower	Upper
83	100		
85	60.6	50.3	75.5

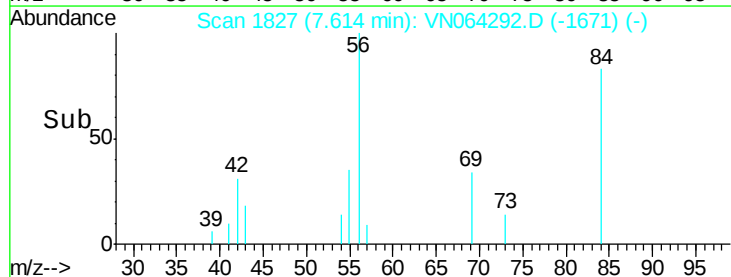
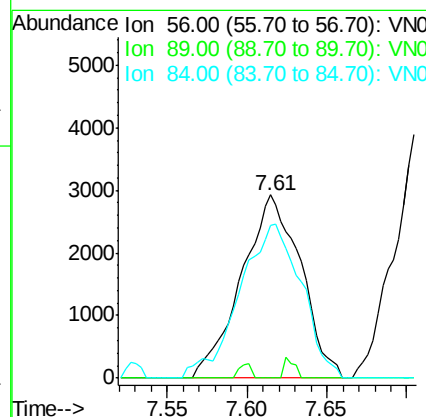
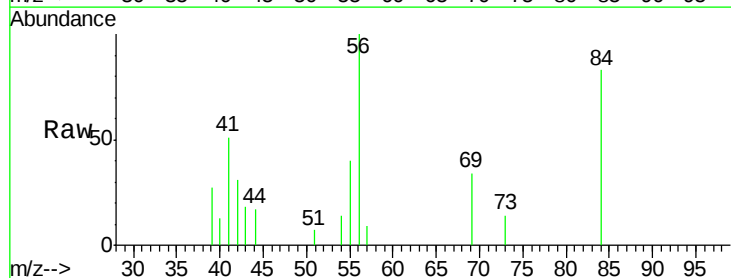
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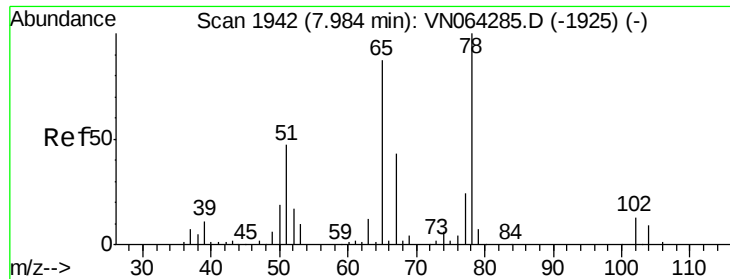
MMDadoda
10/26/2020 1:39:05 PM



#26
Cyclohexane
Concen: 1.876 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	56	Resp	7442
Ion Ratio	100	Lower	Upper
56	100		
89	2.0	3.4	5.2#
84	83.9	66.2	99.2





#27

1,2-Dichloroethane-d4

Concen: 33.037 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 65 Resp: 121320

Ion Ratio Lower Upper

65 100

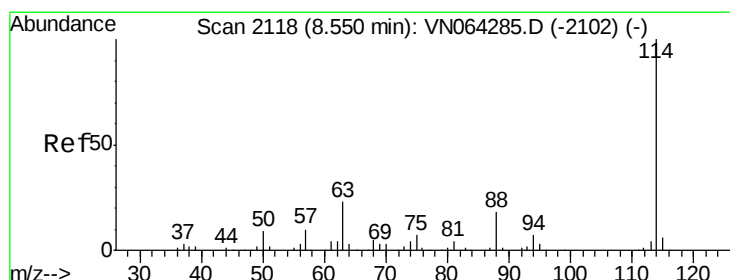
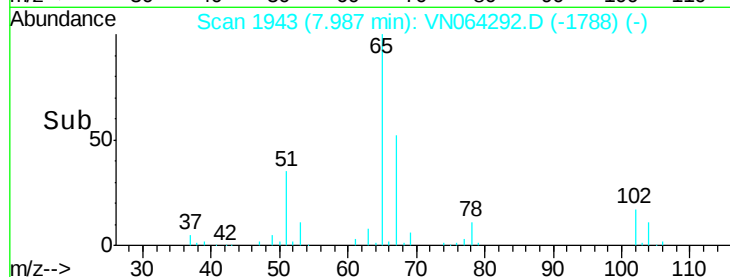
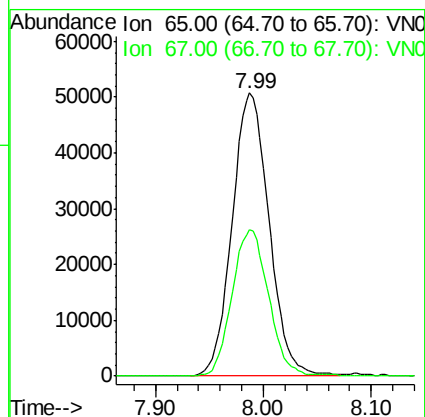
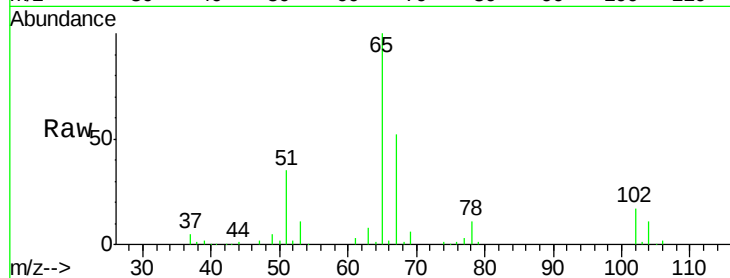
67 50.6 38.4 57.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

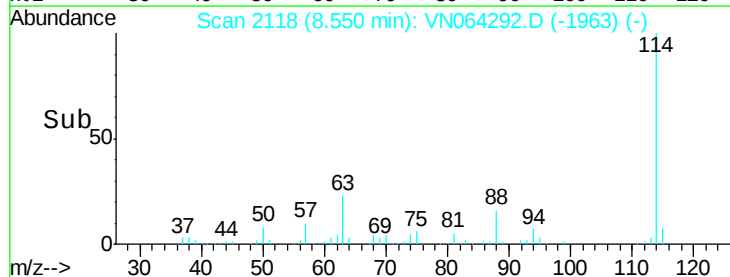
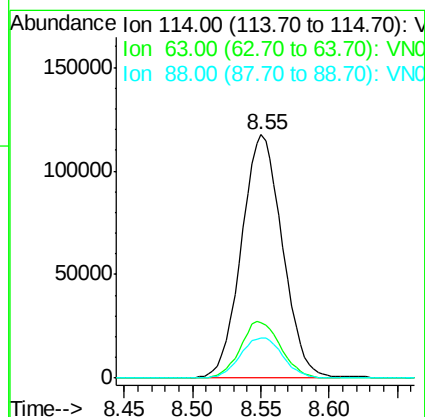
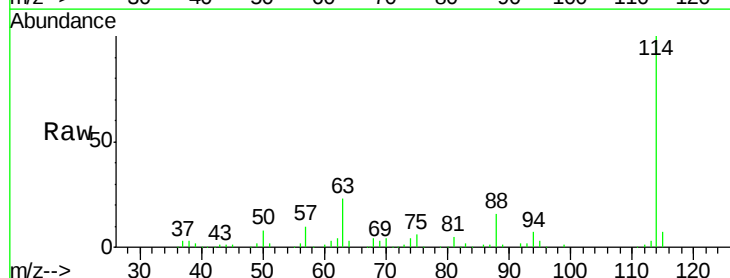
Tgt Ion: 114 Resp: 245458

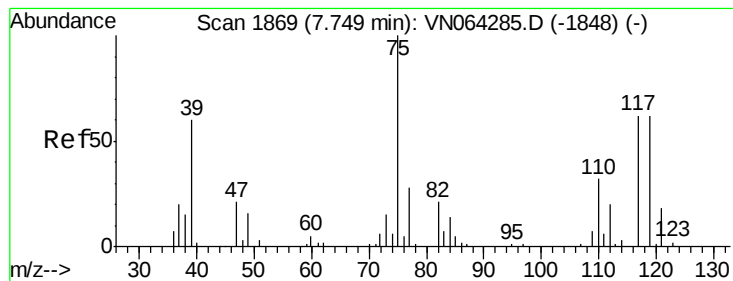
Ion Ratio Lower Upper

114 100

63 22.8 17.8 26.8

88 17.1 13.8 20.8





#29

1,1-Dichloropropene

Concen: 1.888 ug/l m

RT: 7.75 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

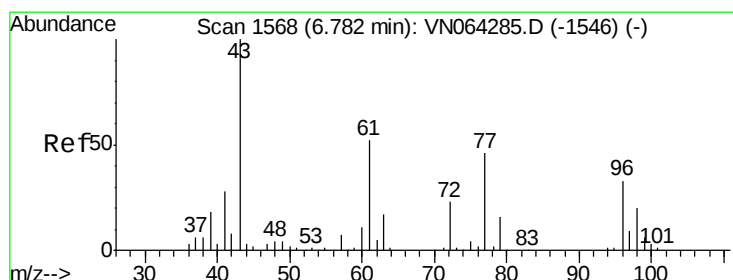
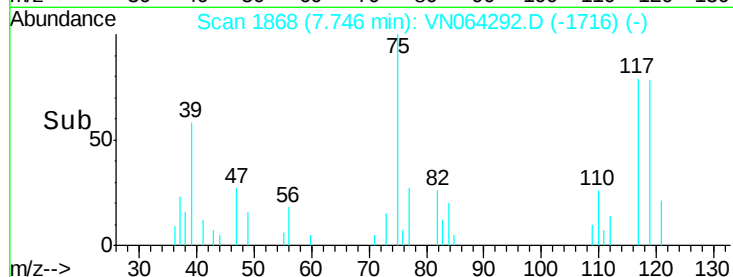
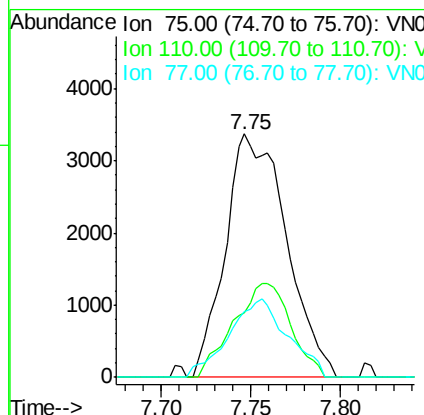
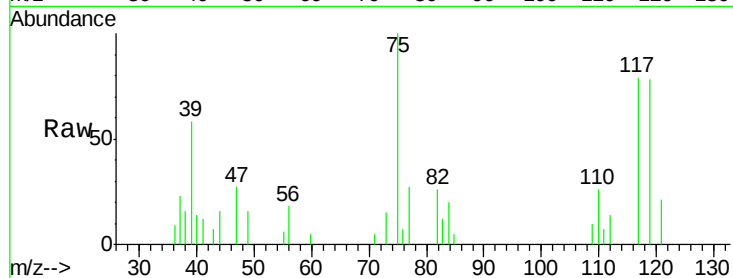
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	75	Resp:	8010
Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	66.2
77	31.0	0.0	64.4

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#30

2-Butanone

Concen: 8.987 ug/l

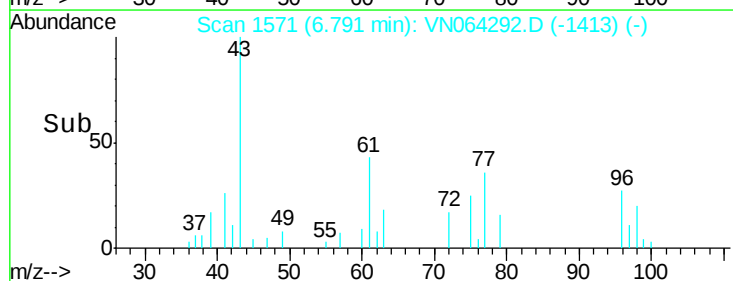
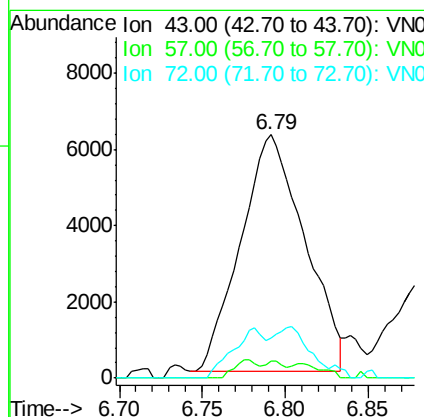
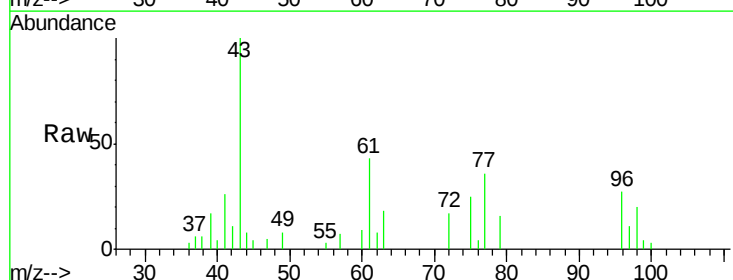
RT: 6.79 min Scan# 1571

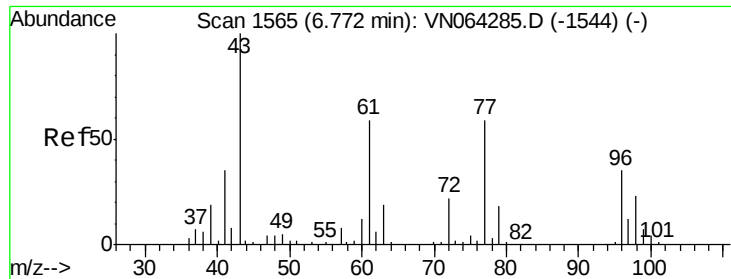
Delta R.T. 0.01 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	43	Resp:	16748
Ion	Ratio	Lower	Upper
43	100		
57	1.5	6.4	9.6#
72	0.0	19.4	29.0#





#31

2,2-Dichloropropane

Concen: 1.923 ug/l m

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 77 Resp: 10213

Ion Ratio Lower Upper

77 100

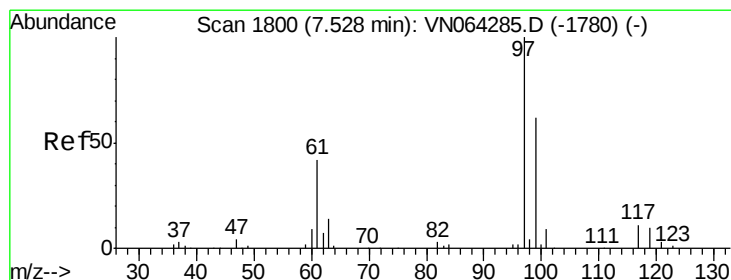
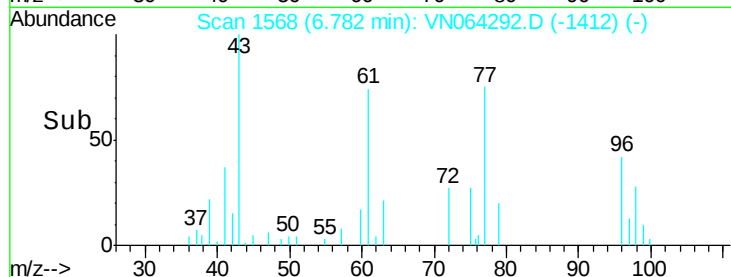
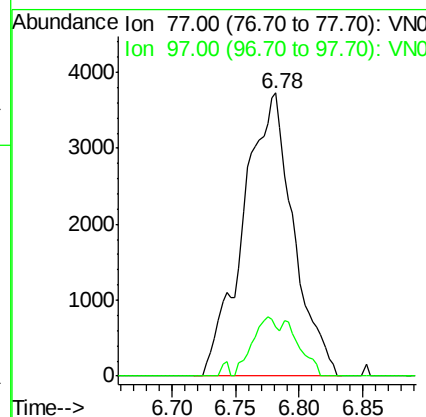
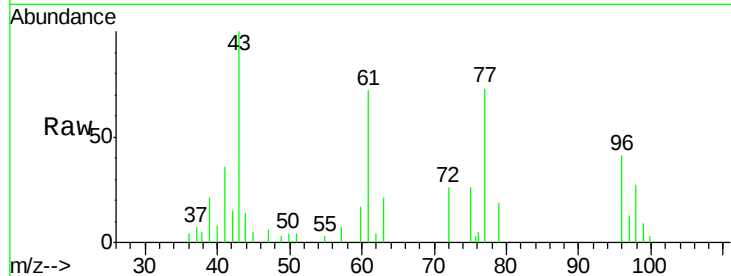
97 7.1 15.1 22.7#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 1.831 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

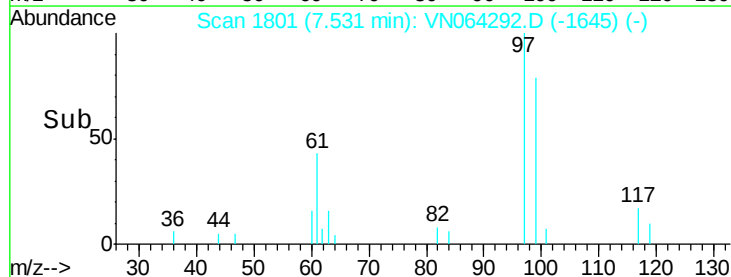
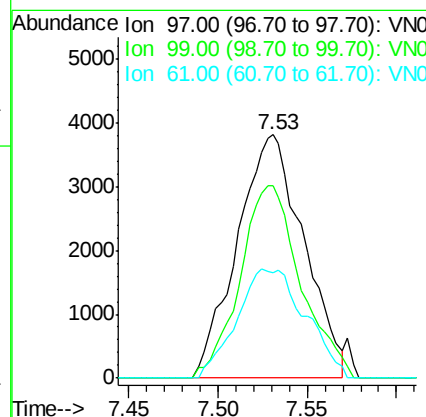
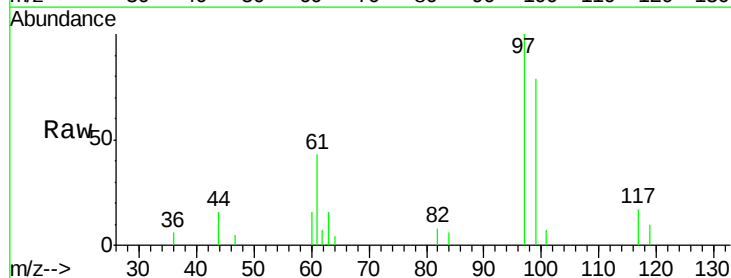
Tgt Ion: 97 Resp: 9928

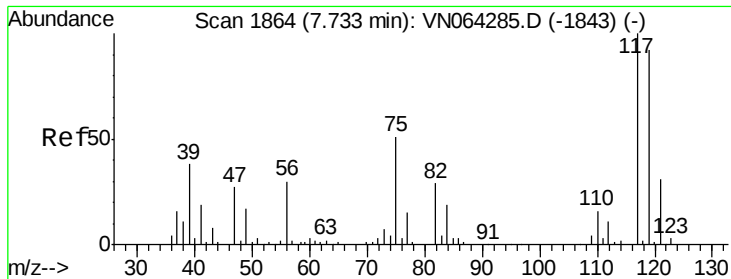
Ion Ratio Lower Upper

97 100

99 72.1 54.4 81.6

61 25.2 37.5 56.3#





#33

Carbon Tetrachloride

Concen: 1.969 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

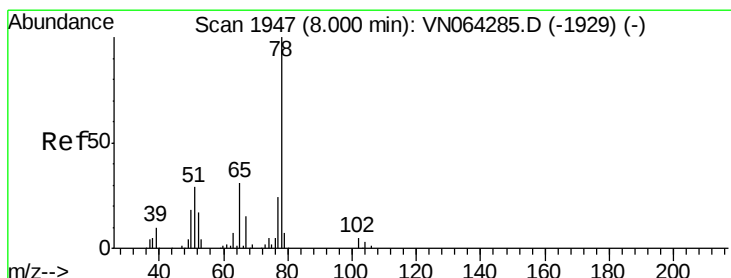
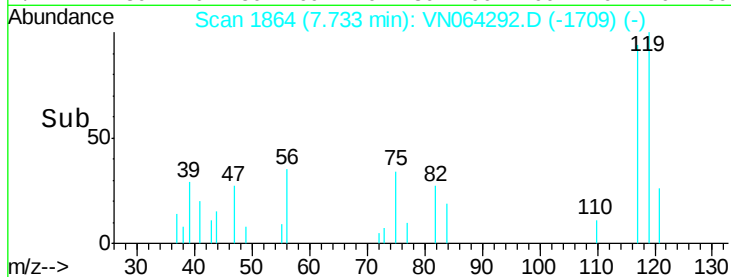
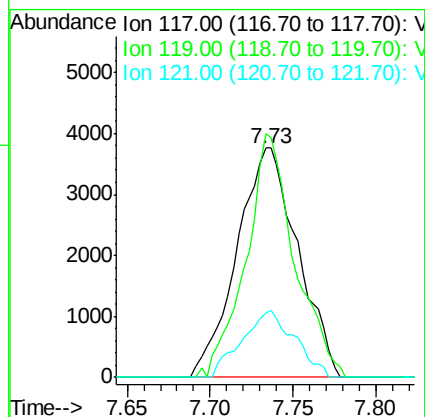
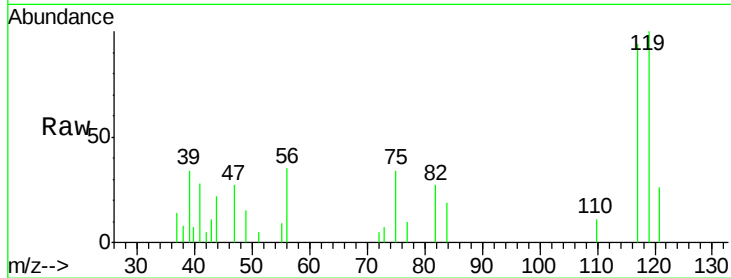
LOD-MDL-WATER-01-QT4-2020

Tot Ion:117 Resp: 9564

Ion	Ratio	Lower	Upper
117	100		
119	106.3	80.1	120.1
121	28.0	26.2	39.2

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#34

Benzene

Concen: 1.912 ug/l

RT: 8.00 min Scan# 1948

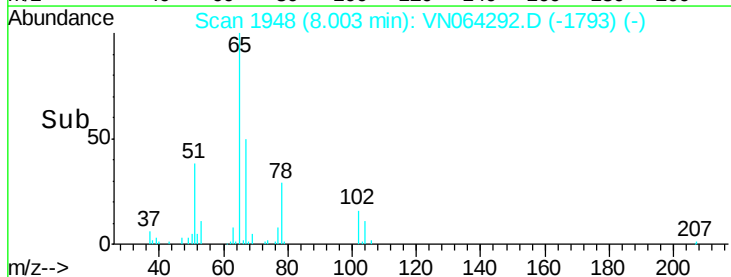
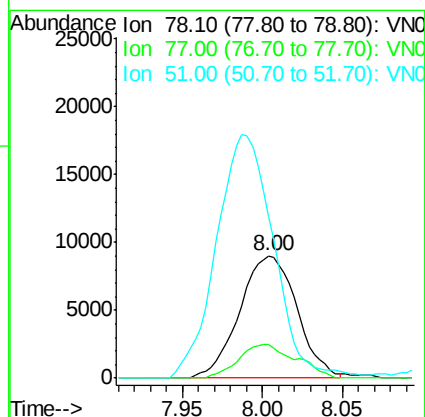
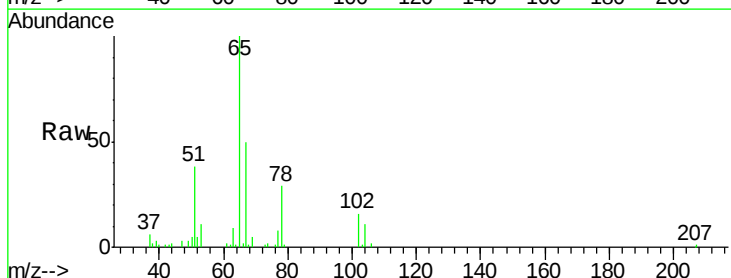
Delta R.T. -0.00 min

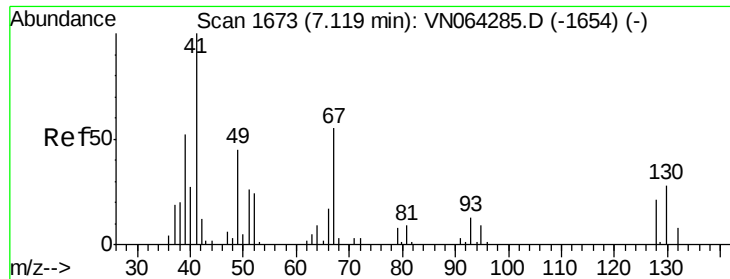
Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion: 78 Resp: 22175

Ion	Ratio	Lower	Upper
78	100		
77	27.0	19.2	28.8
51	126.3	25.2	37.8#





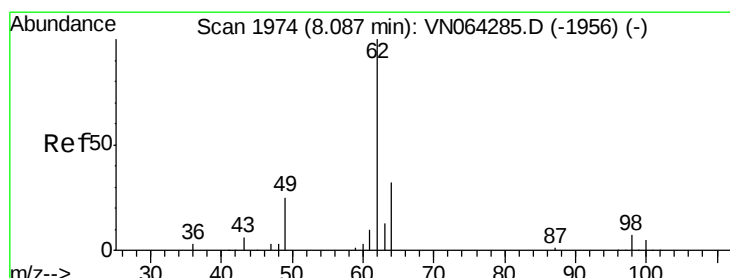
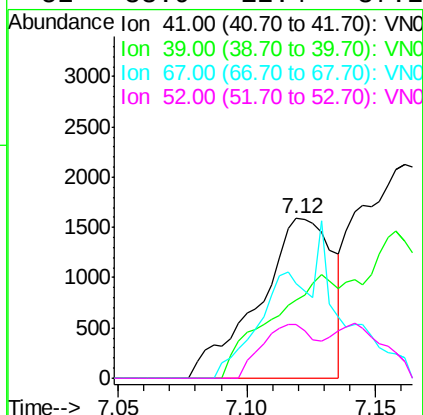
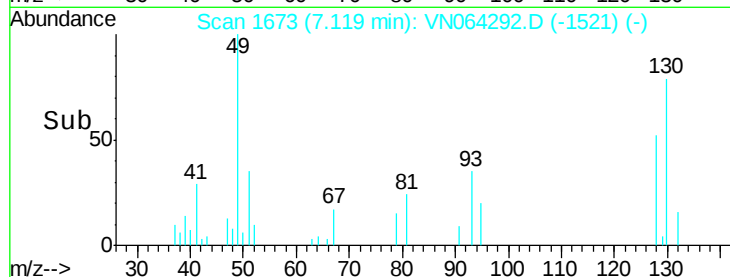
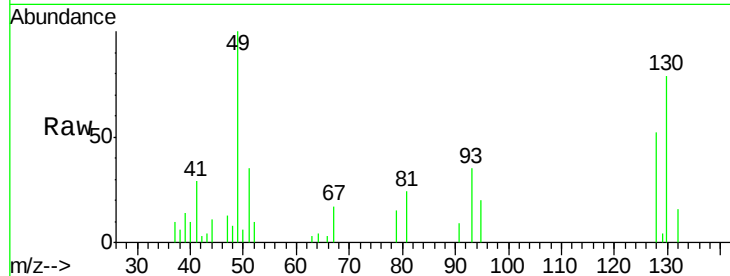
#35
Methacrylonitrile
Concen: 1.685 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.2	28.0	83.9	
67	59.5	29.9	89.8	
52	33.9	12.4	37.2	

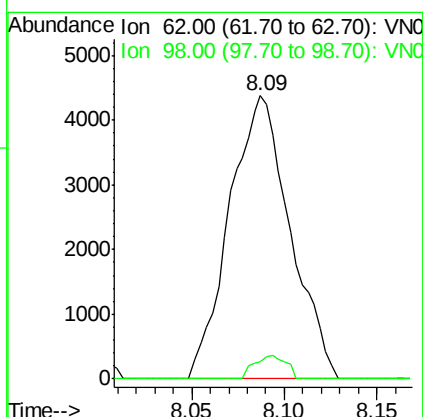
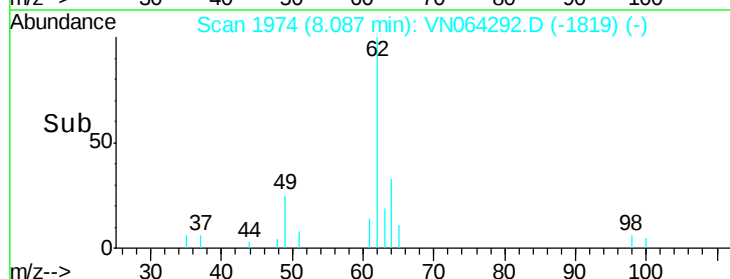
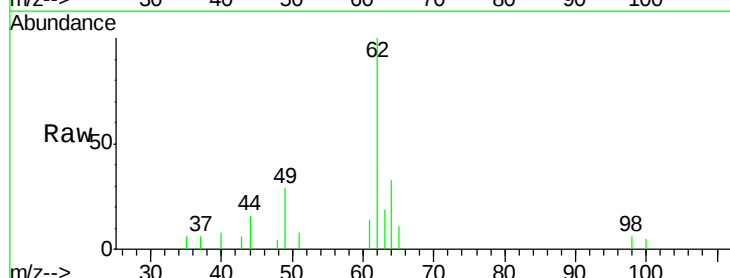
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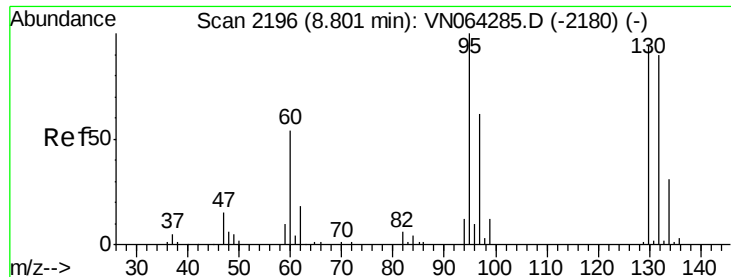
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.009 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.3	5.4	8.0#	





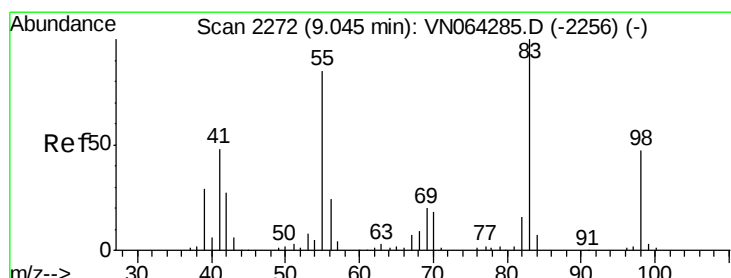
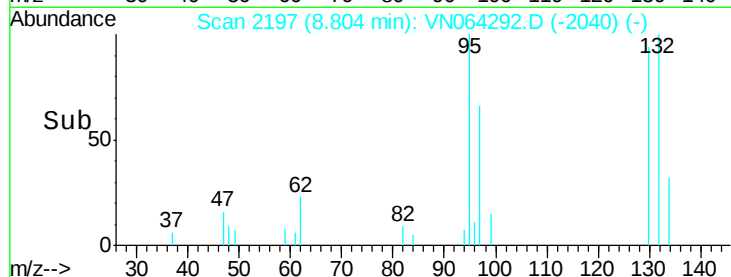
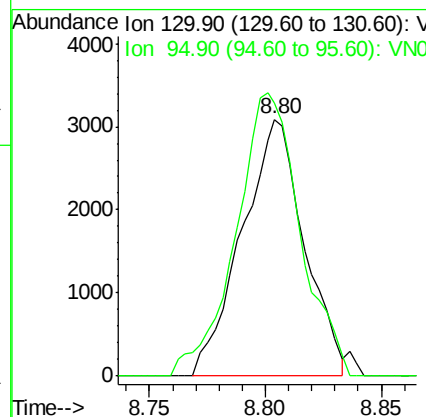
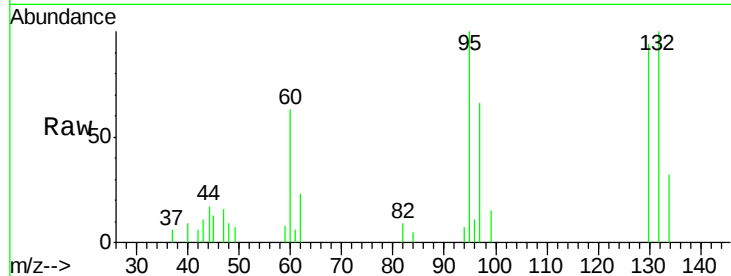
#37
 Trichloroethene
 Concen: 1.806 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion:130 Resp: 5762
 Ion Ratio Lower Upper
 130 100
 95 98.0 81.2 121.8

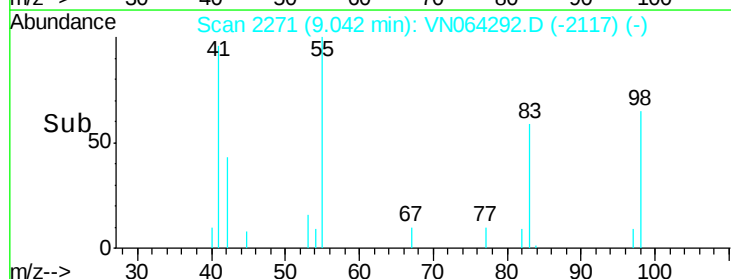
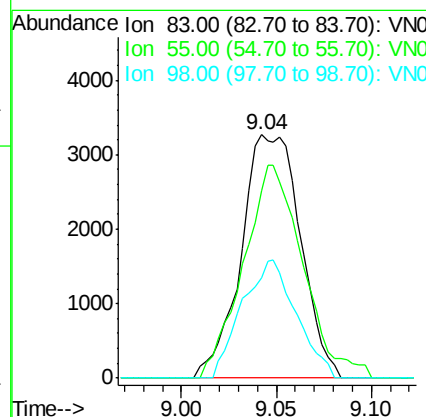
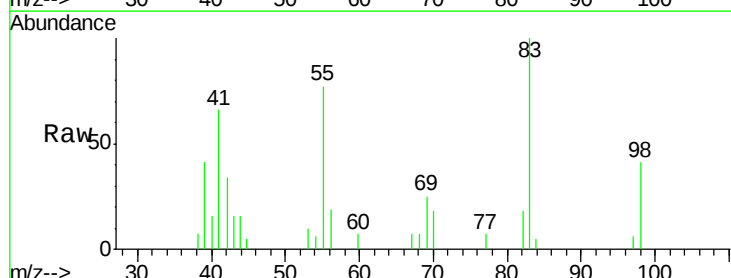
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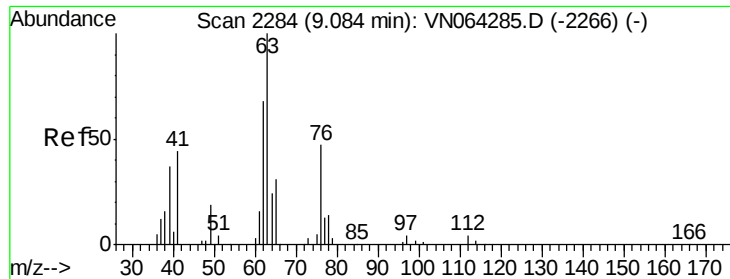
MMDadoda
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#38
 Methylcyclohexane
 Concen: 1.827 ug/l m
 RT: 9.04 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion: 83 Resp: 7077
 Ion Ratio Lower Upper
 83 100
 55 86.0 40.3 120.9
 98 44.4 25.3 75.8





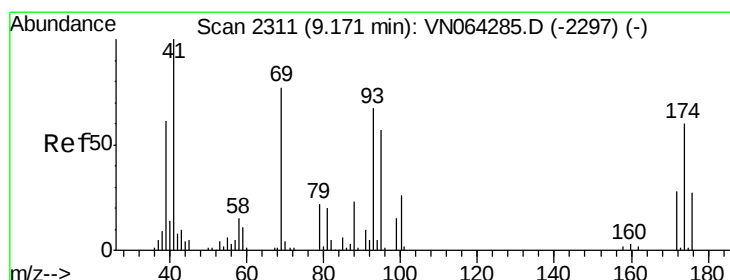
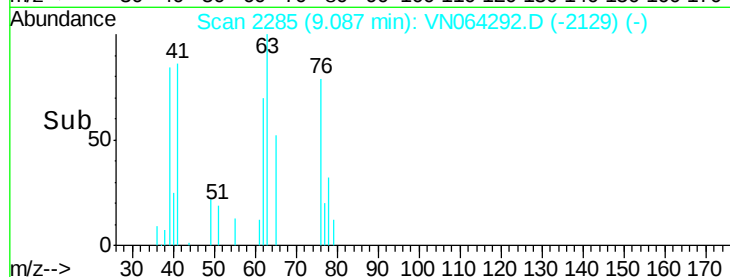
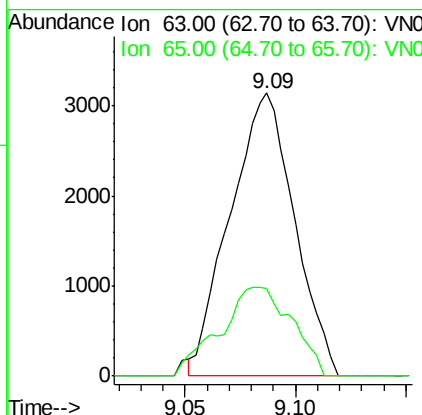
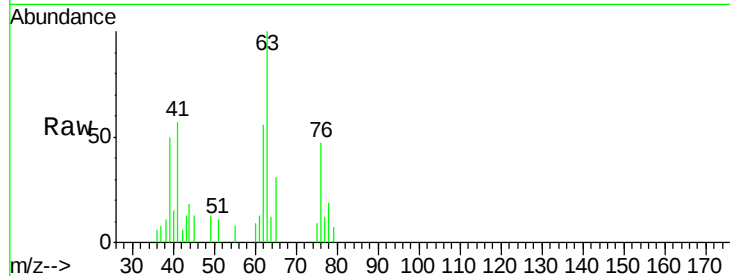
#39
 1,2-Dichloropropane
 Concen: 2.046 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion: 63 Resp: 6343
 Ion Ratio Lower Upper
 63 100
 65 30.9 26.1 39.1

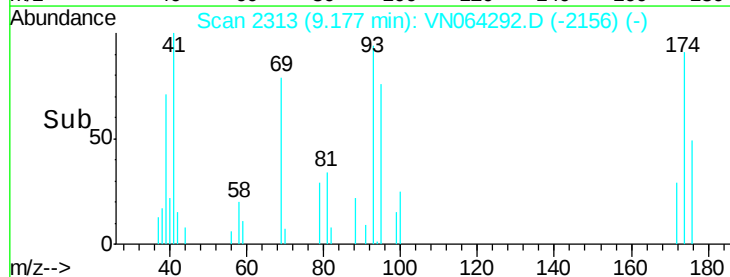
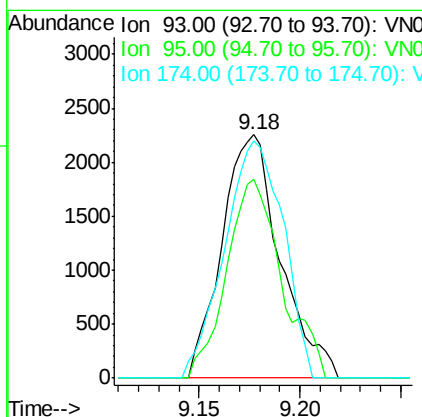
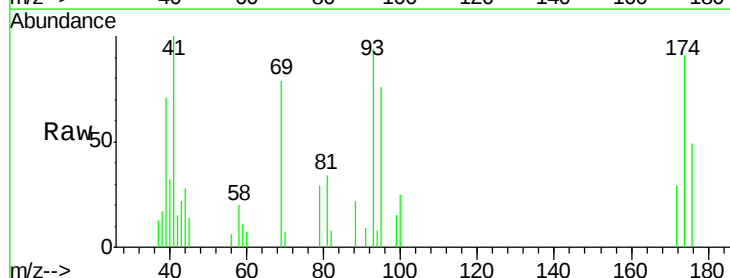
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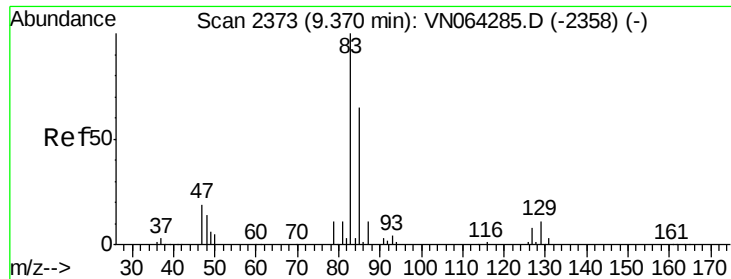
MMDadoda
 10/26/2020 1:39:05 PM



#40
 Dibromomethane
 Concen: 2.099 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion: 93 Resp: 4553
 Ion Ratio Lower Upper
 93 100
 95 69.5 0.0 156.6
 174 98.2 0.0 168.8





#41

Bromodichloromethane

Concen: 1.859 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

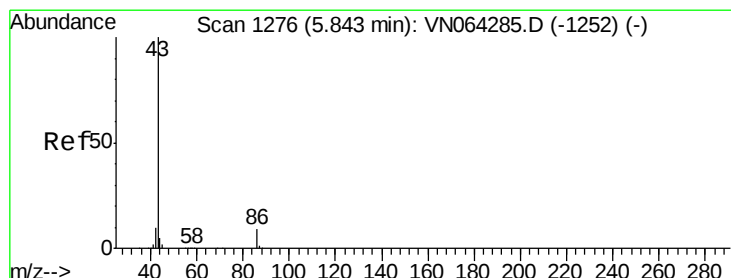
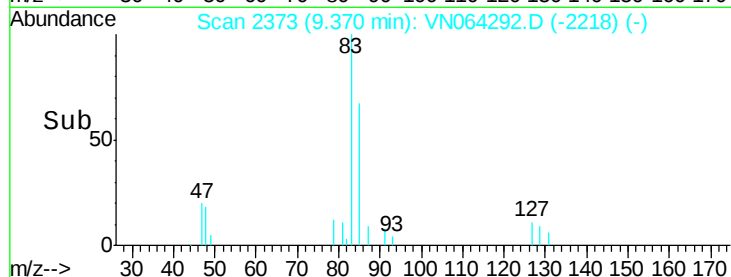
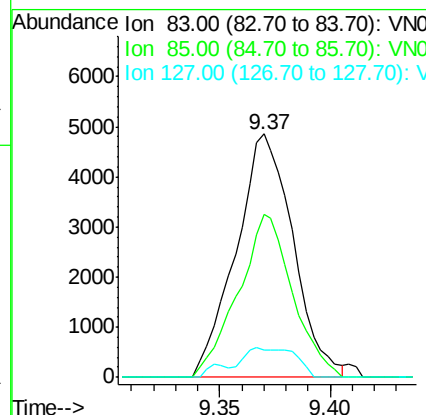
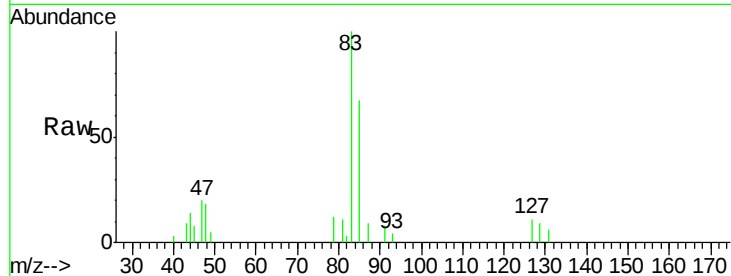
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	8744
Ion	Ratio	Lower	Upper
83	100		
85	66.9	57.8	86.6
127	11.1	7.0	10.4#

Manual Integrations
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10/26/2020 1:39:05 PM



#42

Vinyl Acetate

Concen: 8.979 ug/l

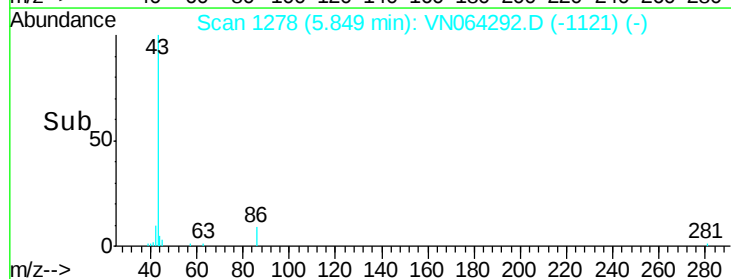
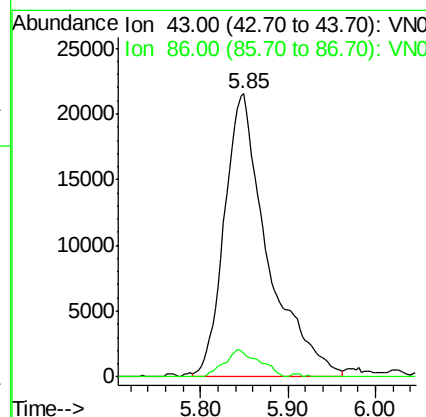
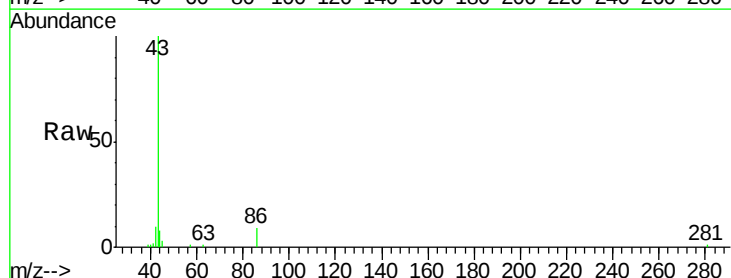
RT: 5.85 min Scan# 1278

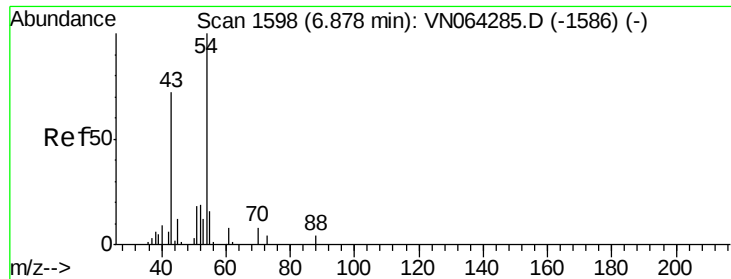
Delta R.T. 0.01 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	43	Resp:	73804
Ion	Ratio	Lower	Upper
43	100		
86	6.7	6.6	9.8





#43

Ethyl Acetate

Concen: 1.952 ug/l

RT: 6.89 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 7700

Ion Ratio Lower Upper

43 100

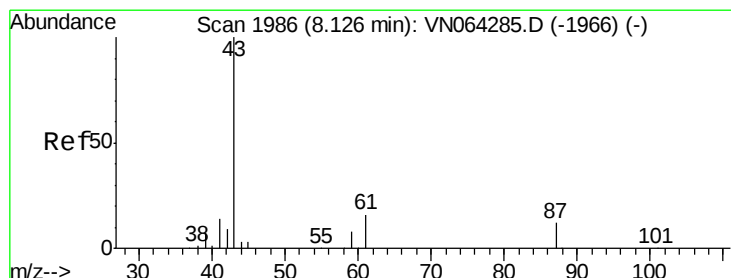
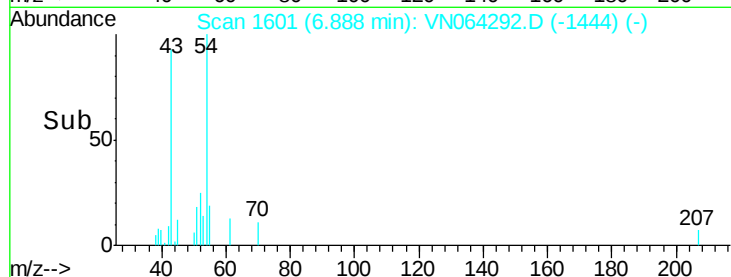
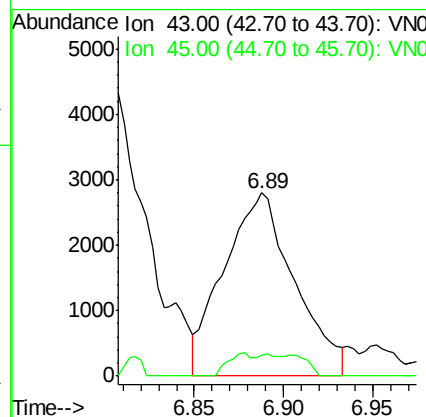
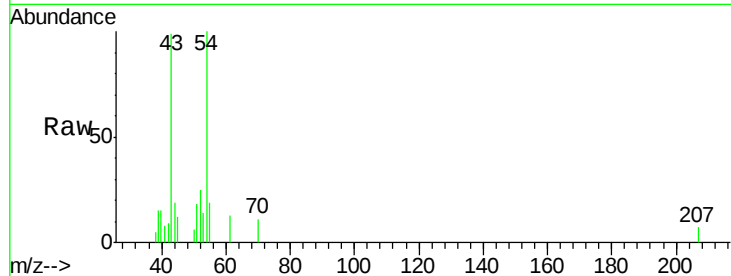
45 4.8 8.2 12.4#

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#44

Isopropyl Acetate

Concen: 1.894 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064292.D

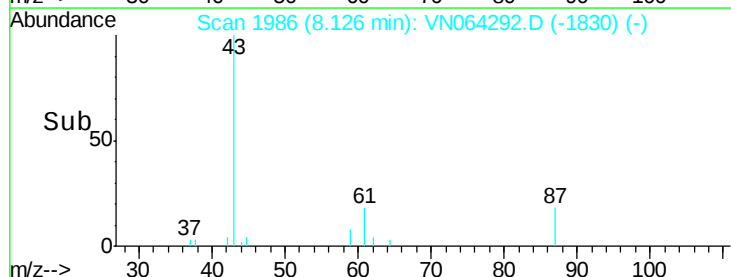
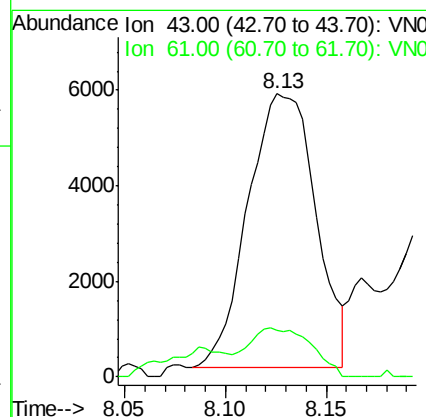
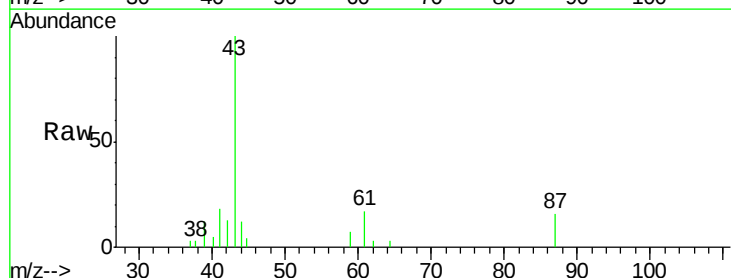
Acq: 23 Oct 2020 17:43

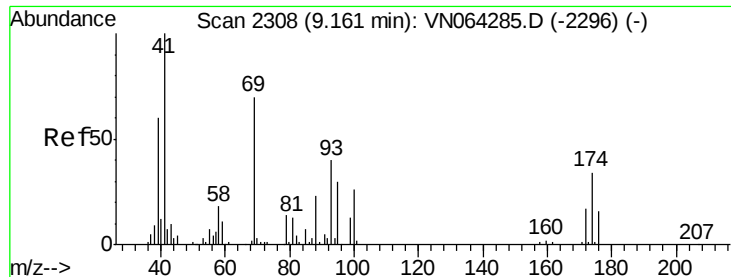
Tgt Ion: 43 Resp: 13402

Ion Ratio Lower Upper

43 100

61 4.3 19.9 29.9#





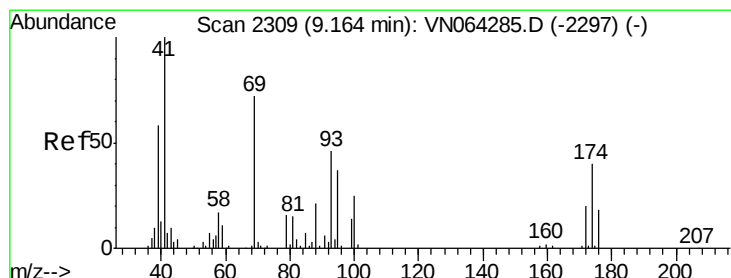
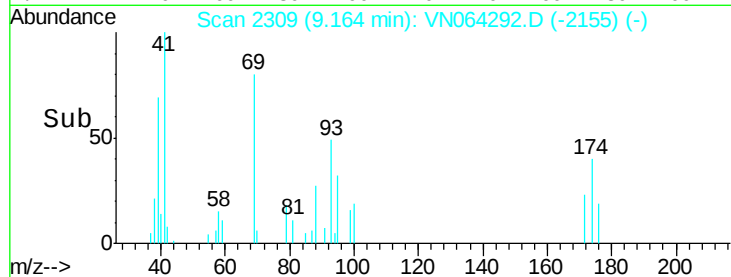
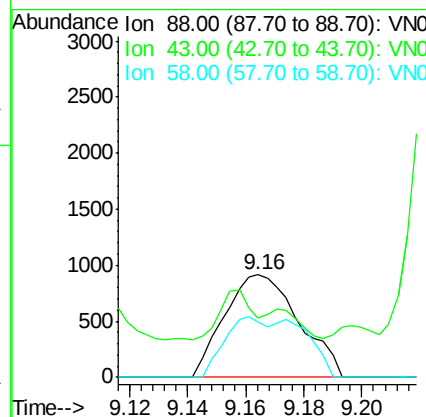
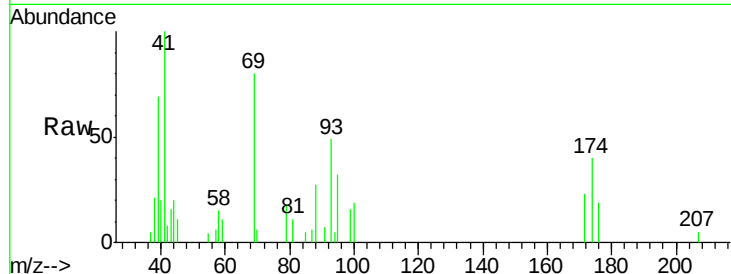
#45
1,4-Dioxane
Concen: 37.649 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	20.3	34.7	52.1#
58	33.7	65.8	98.6#

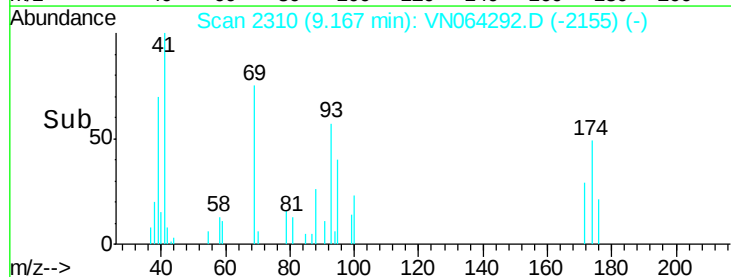
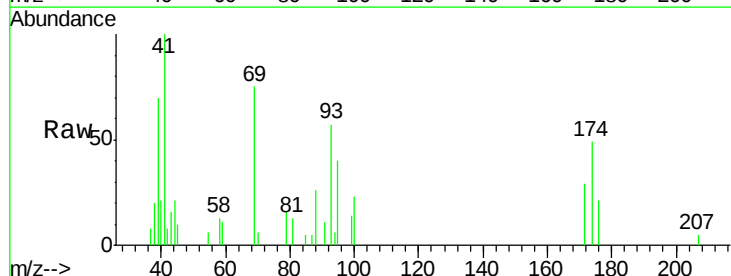
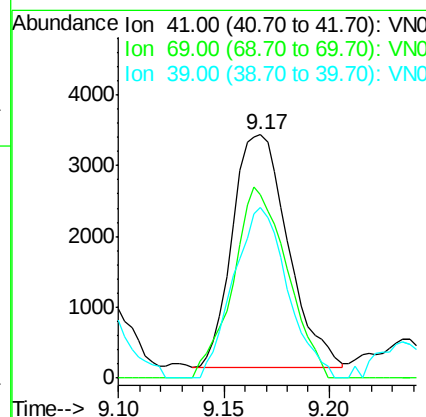
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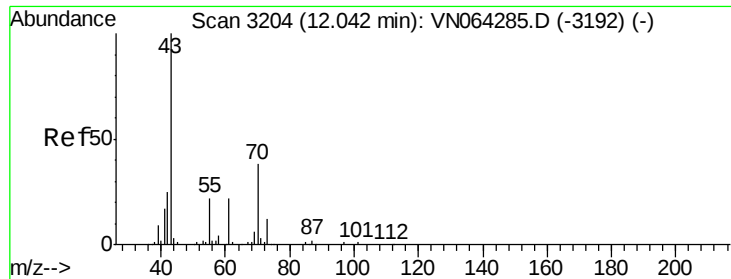
MMDadoda
10/26/2020 1:39:05 PM



#46
Methyl methacrylate
Concen: 1.749 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.8	32.6	97.7
39	73.6	31.1	93.3





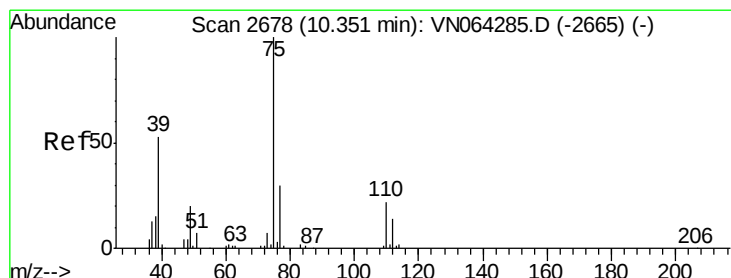
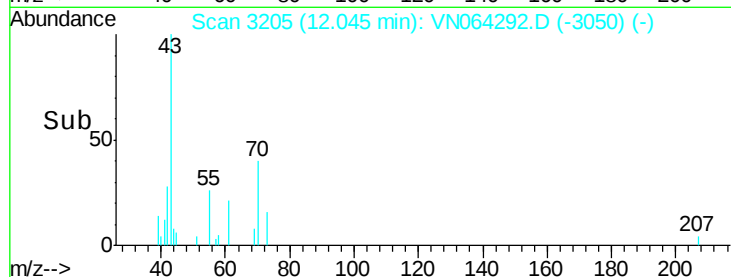
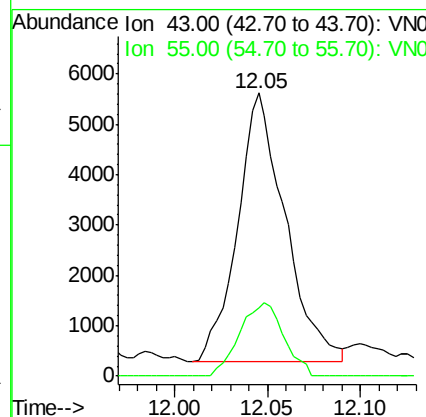
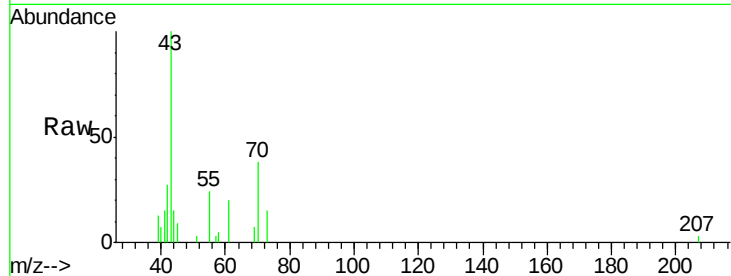
#47
 n-amvl Acetate
 Concen: 1.568 ug/l
 RT: 12.05 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion: 43 Resp: 9573
 Ion Ratio Lower Upper
 43 100
 55 25.3 18.2 27.2

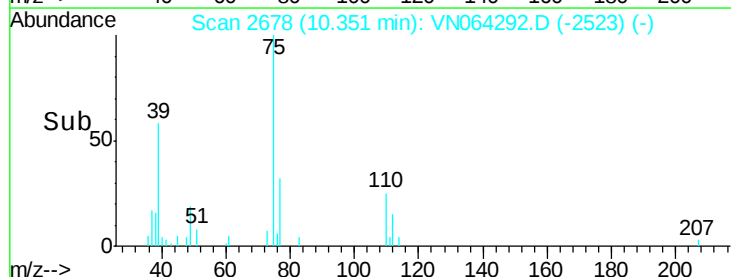
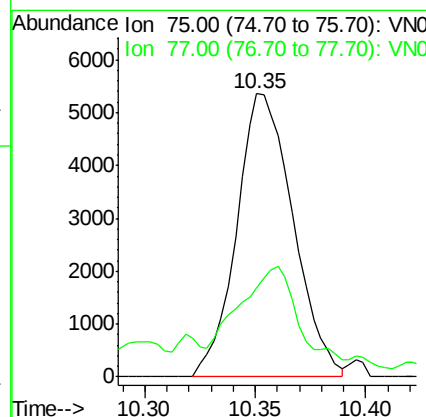
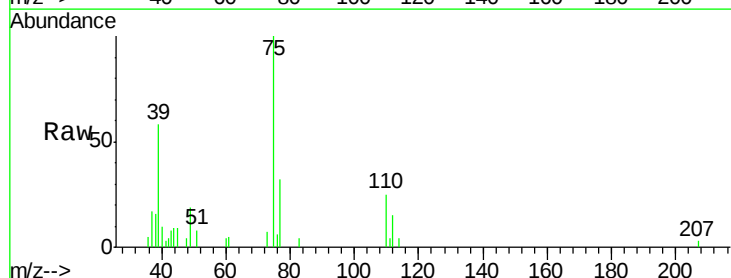
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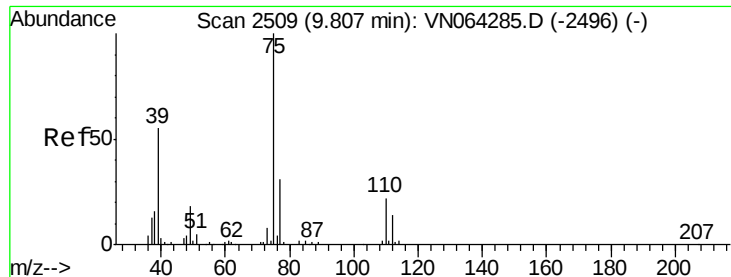
MMDadoda
 10/26/2020 1:39:05 PM



#48
 t-1,3-Dichloropropene
 Concen: 1.815 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion: 75 Resp: 9533
 Ion Ratio Lower Upper
 75 100
 77 25.6 25.4 38.0





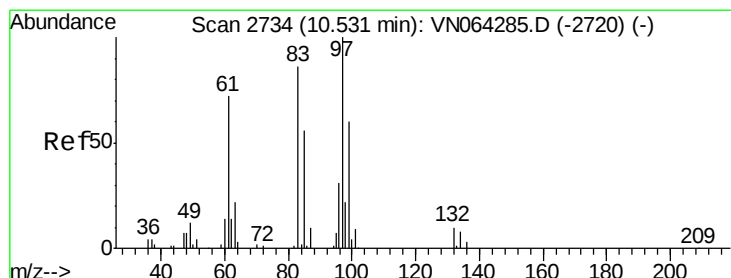
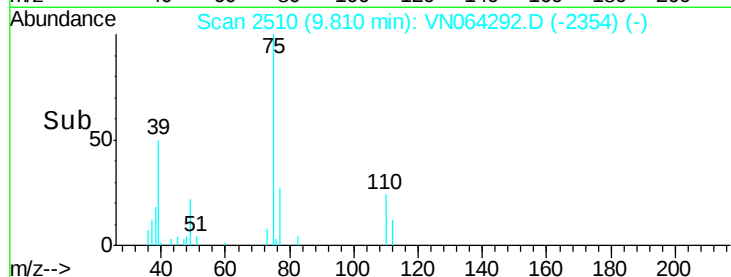
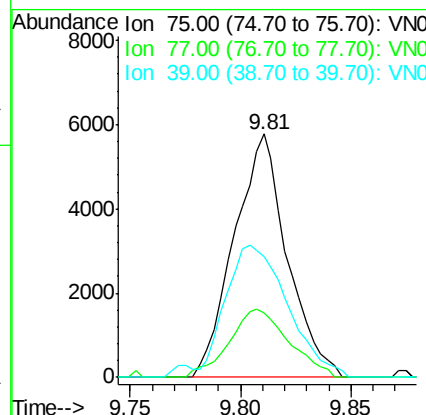
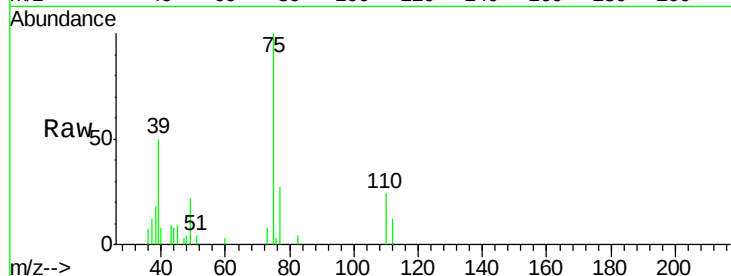
#49
 cis-1,3-Dichloropropene
 Concen: 1.766 ug/l
 RT: 9.81 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion:	75	Resp:	9631
Ion	Ratio	Lower	Upper
75	100		
77	26.6	23.7	35.5
39	47.0	46.9	70.3

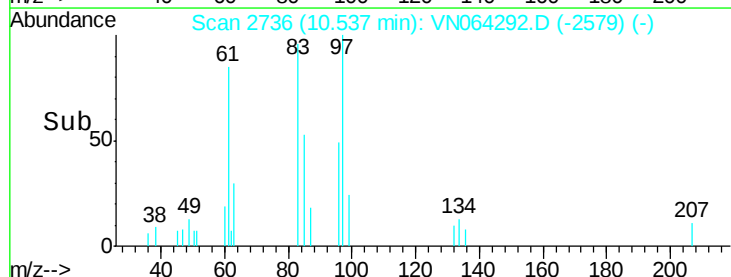
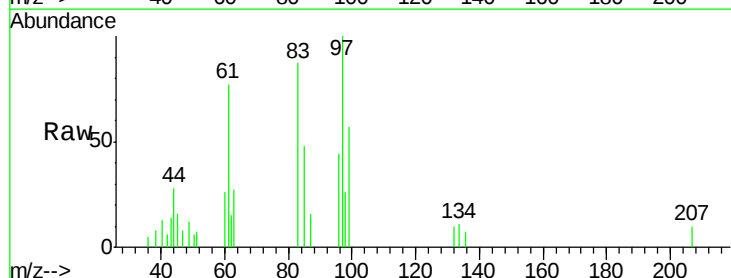
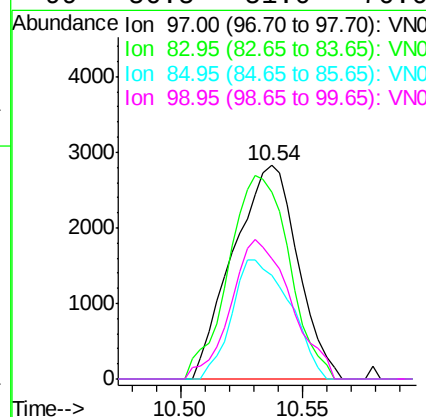
Manual Integrations
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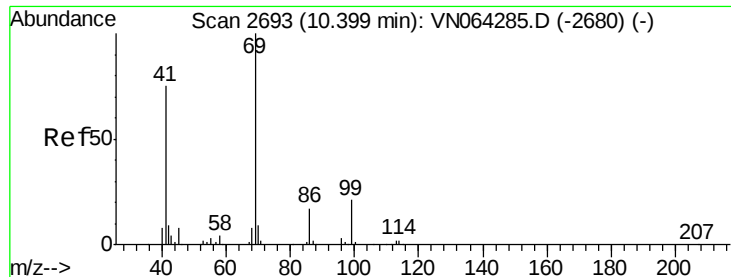
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 1.812 ug/l
 RT: 10.54 min Scan# 2736
 Delta R.T. 0.01 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion:	97	Resp:	5178
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	48.3	37.8	56.8
99	56.5	51.0	76.6





#51

Ethyl methacrylate

Concen: 1.839 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 69 Resp: 8083

Ion Ratio Lower Upper

69 100

41 74.7 43.6 130.9

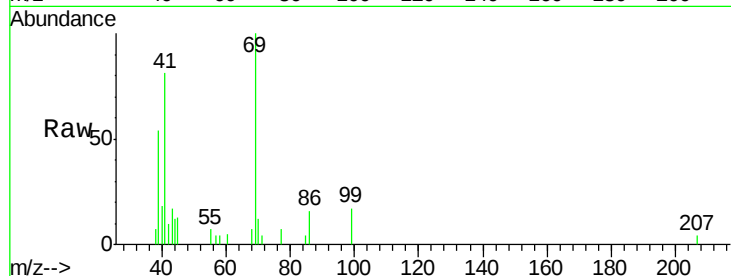
39 54.5 25.8 77.3

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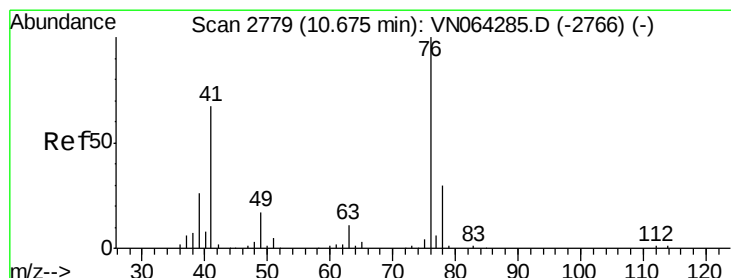
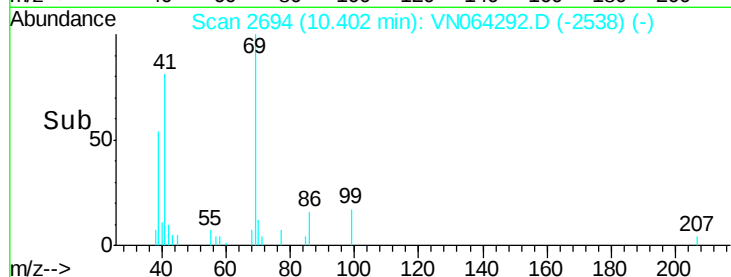
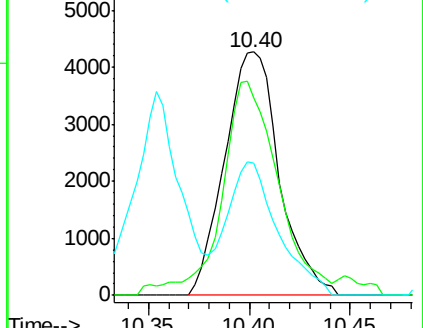
10/26/2020 1:39:05 PM



Abundance Ion 69.00 (68.70 to 69.70): VN064292.D (-2538) (-)

Ion 41.00 (40.70 to 41.70): VN064292.D (-2538) (-)

Ion 39.00 (38.70 to 39.70): VN064292.D (-2538) (-)



#52

1,3-Dichloropropane

Concen: 1.851 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064292.D

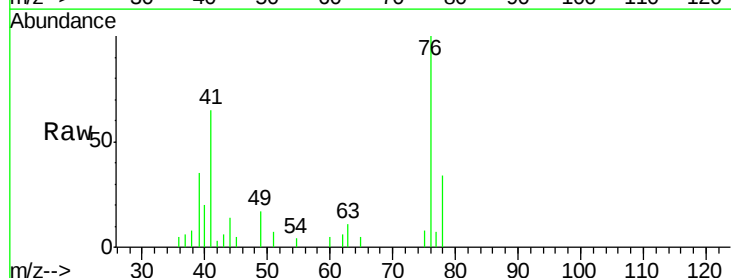
Acq: 23 Oct 2020 17:43

Tgt Ion: 76 Resp: 9349

Ion Ratio Lower Upper

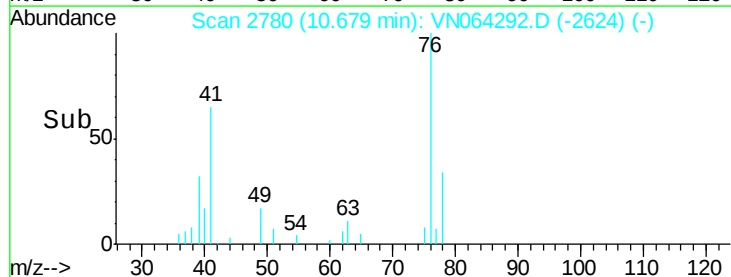
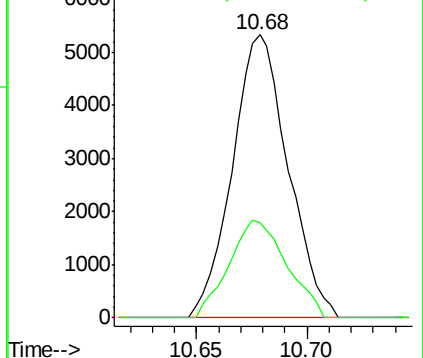
76 100

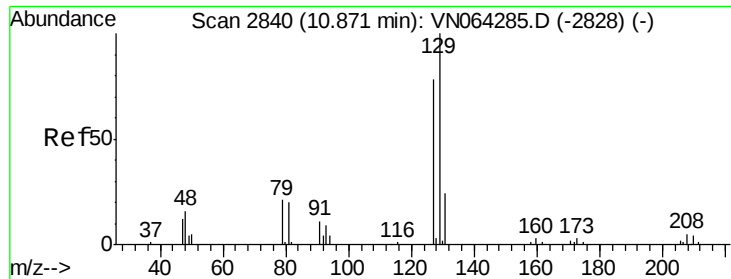
78 35.8 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VN064292.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN064292.D (-2624) (-)





#53

Dibromochloromethane

Concen: 1.710 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:129 Resp: 6103

Ion Ratio Lower Upper

129 100

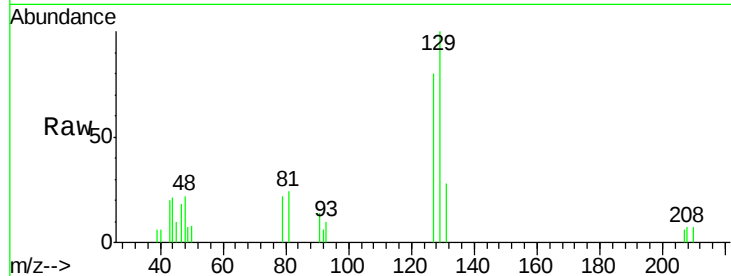
127 77.5 42.4 127.2

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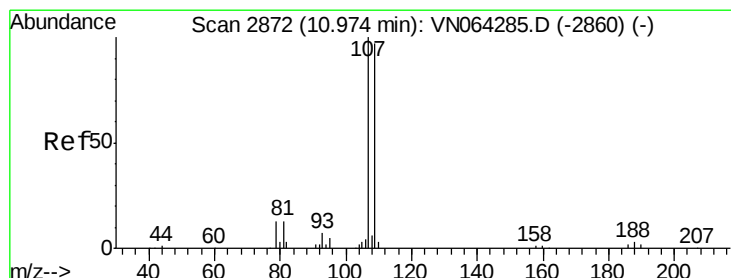
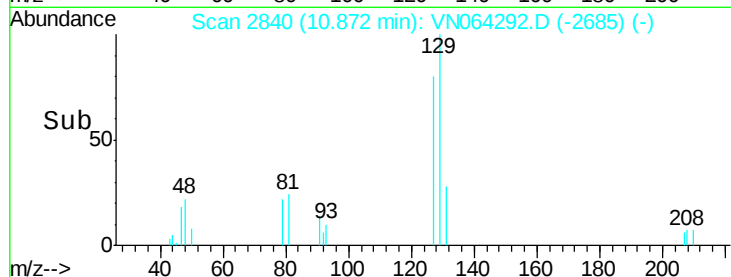
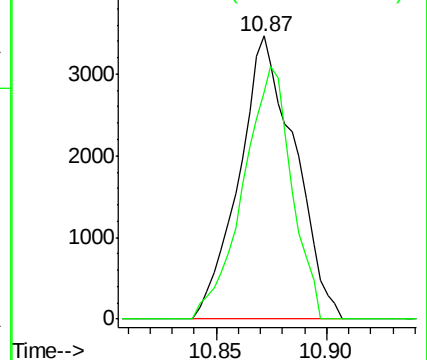
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 1.925 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064292.D

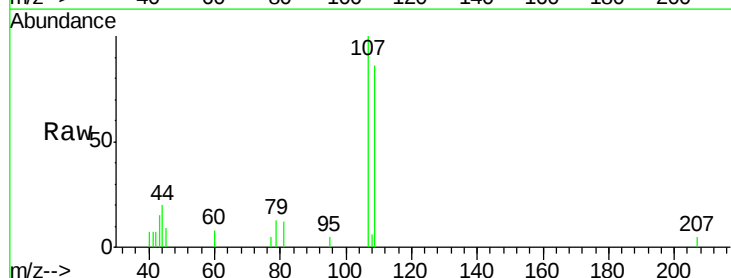
Acq: 23 Oct 2020 17:43

Tgt Ion:107 Resp: 5876

Ion Ratio Lower Upper

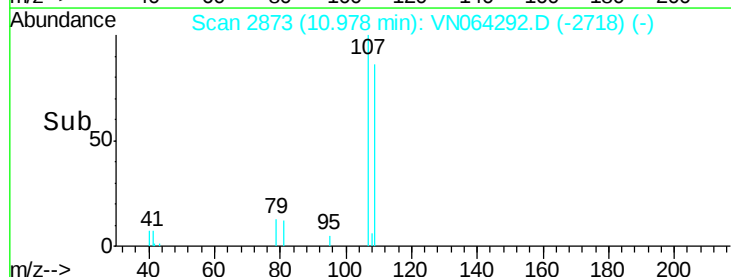
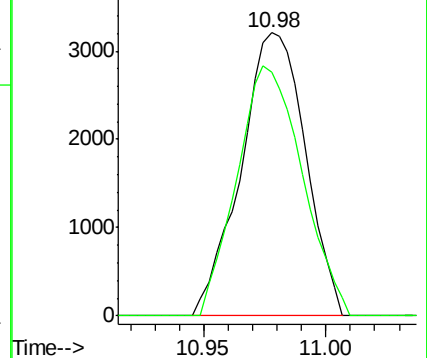
107 100

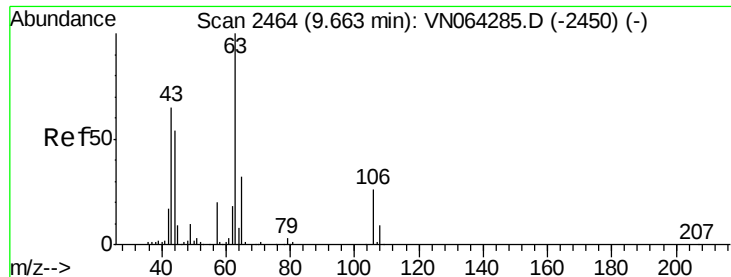
109 89.5 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 8.014 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

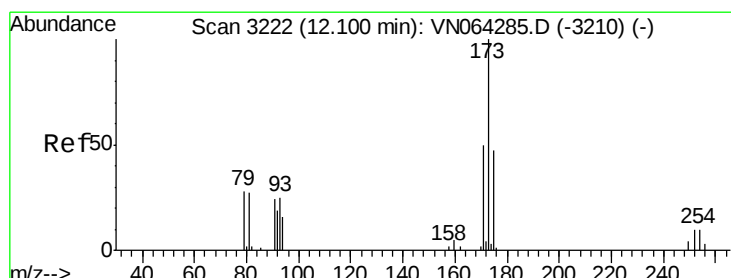
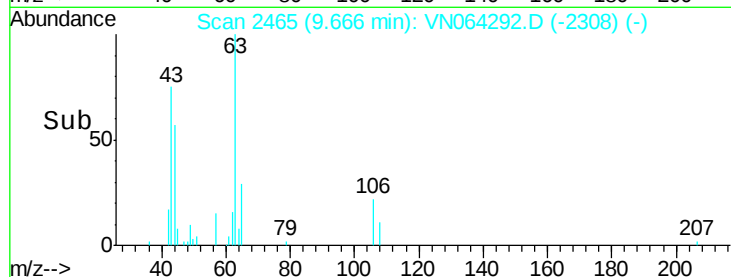
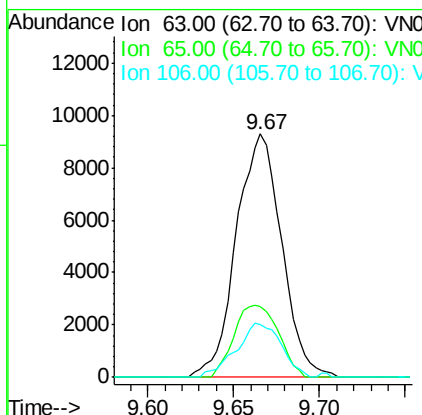
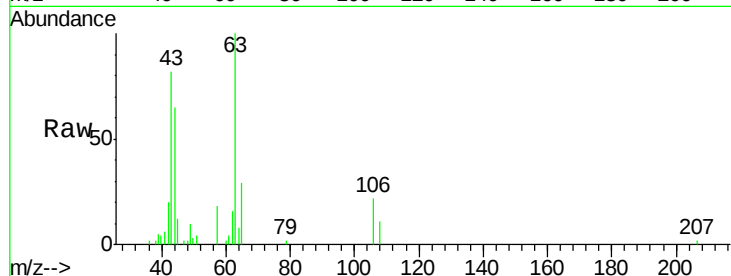
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	63	Resp:	17110
Ion	Ratio	Lower	Upper
63	100		
65	28.9	25.2	37.8
106	22.0	20.6	31.0

Manual Integrations
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#56

Bromoform

Concen: 1.779 ug/l

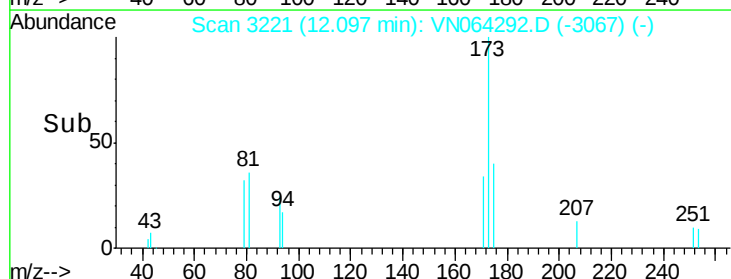
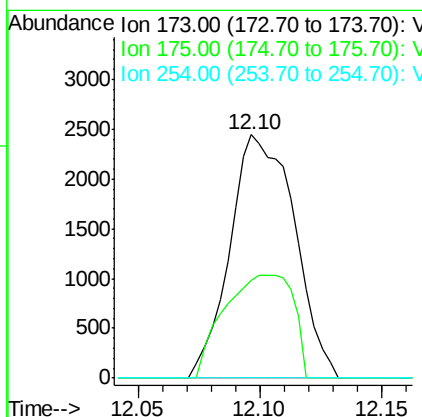
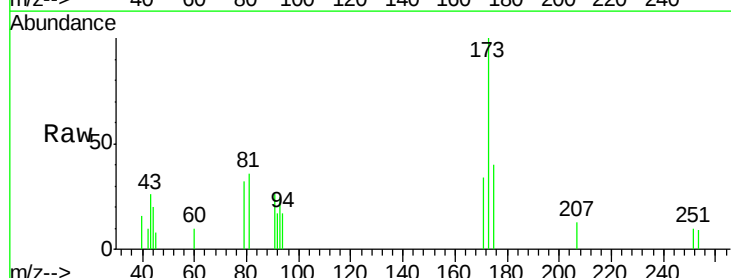
RT: 12.10 min Scan# 3221

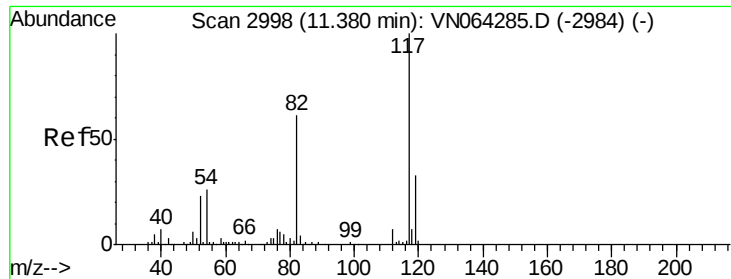
Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	173	Resp:	4489
Ion	Ratio	Lower	Upper
173	100		
175	45.5	39.5	59.3
254	0.0	5.0	7.4#





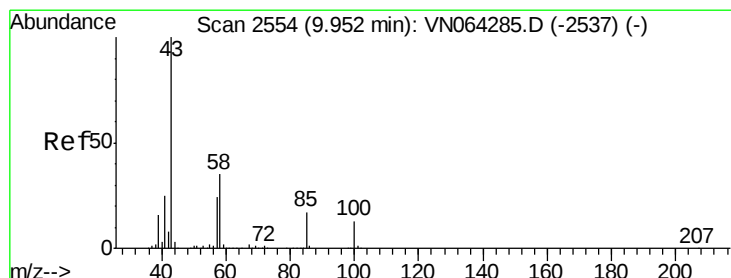
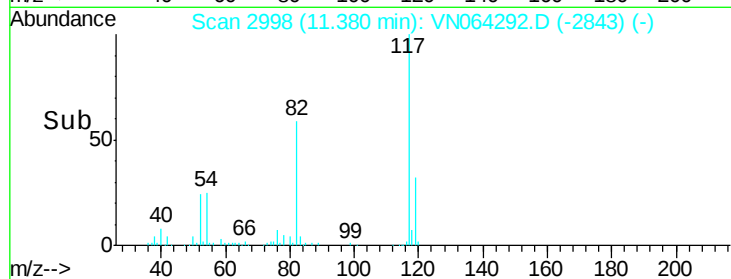
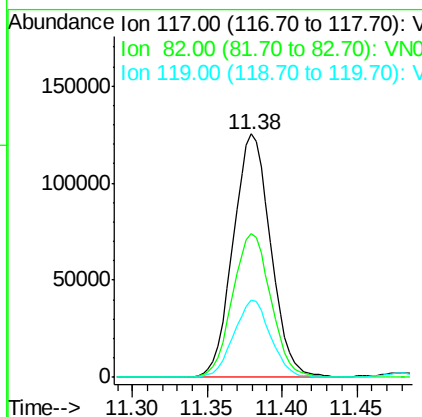
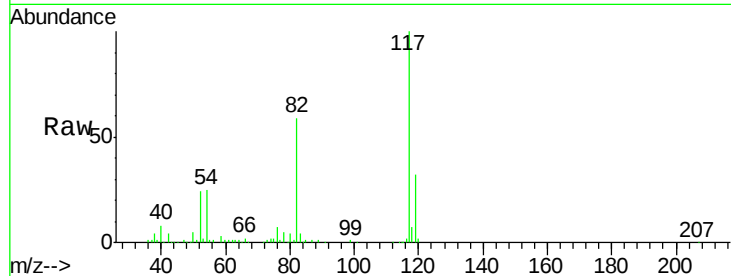
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219209		
82	60.4		47.0	70.6
119	31.1		24.6	37.0

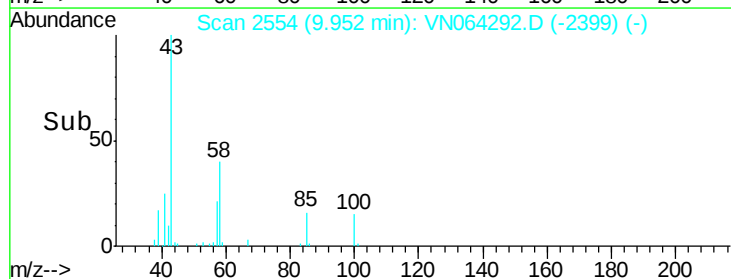
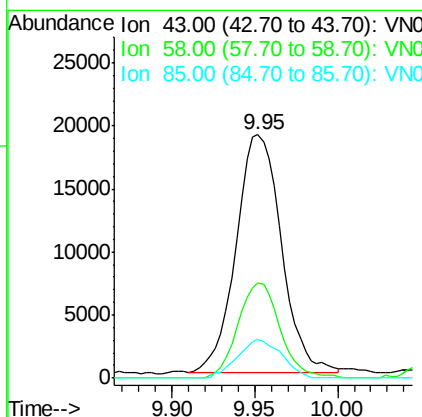
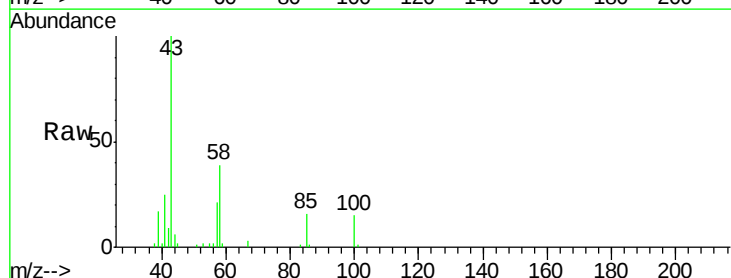
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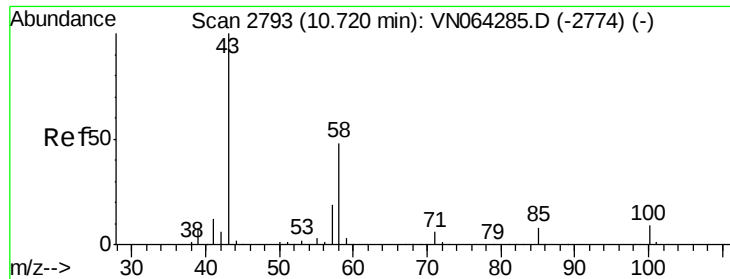
MMDadoda
10/26/2020 1:39:05 PM



#58
4-Methyl-2-Pentanone
Concen: 9.488 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	35847		
58	37.0		28.6	43.0
85	15.8		13.7	20.5





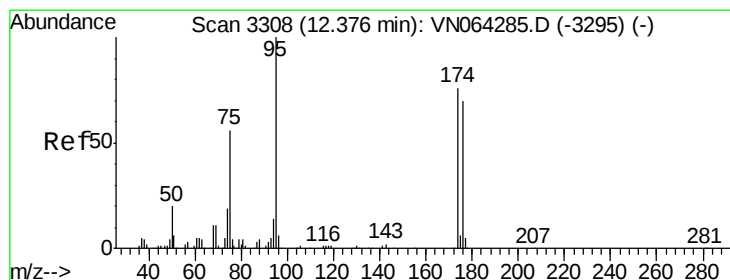
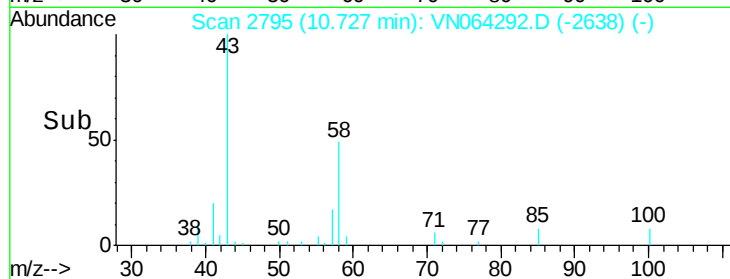
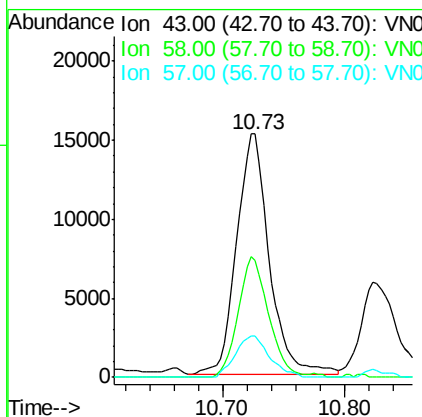
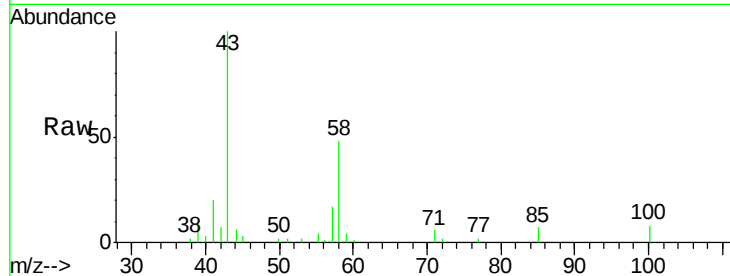
#59
2-Hexanone
Concen: 9.857 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.3	40.5	60.7
57	17.9	15.4	23.0

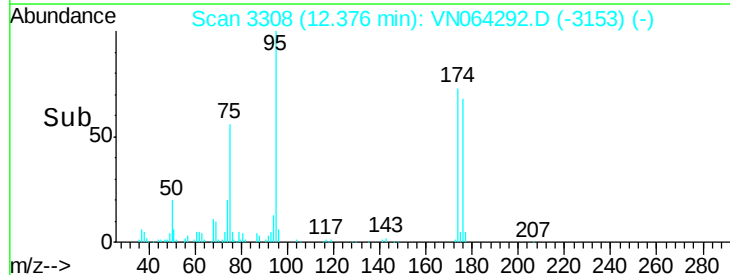
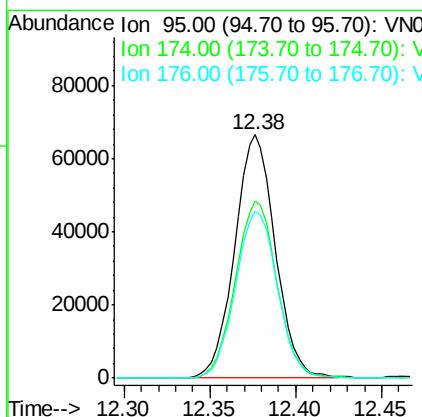
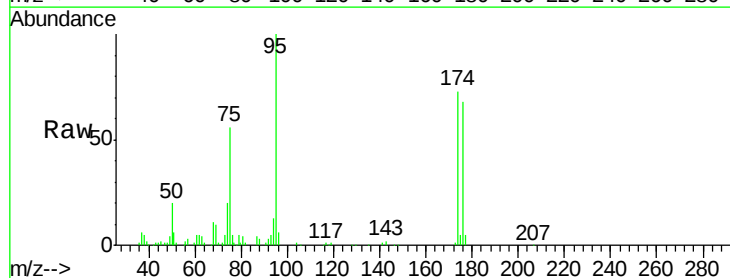
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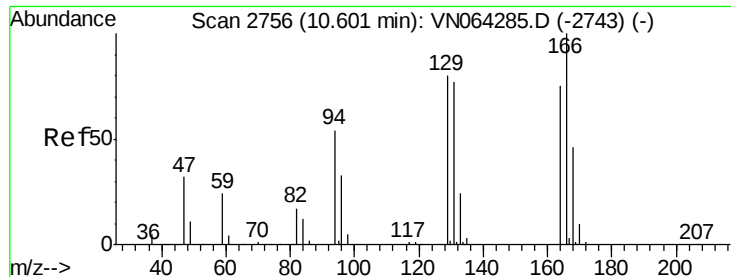
MMDadoda
10/26/2020 1:39:05 PM



#60
4-Bromofluorobenzene
Concen: 27.986 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	57.9	86.9
176	70.9	56.7	85.1





#61

Tetrachloroethene

Concen: 2.097 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

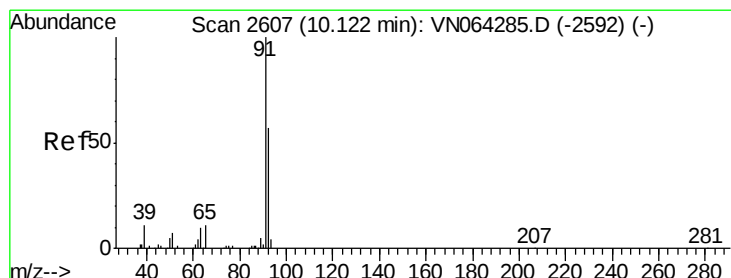
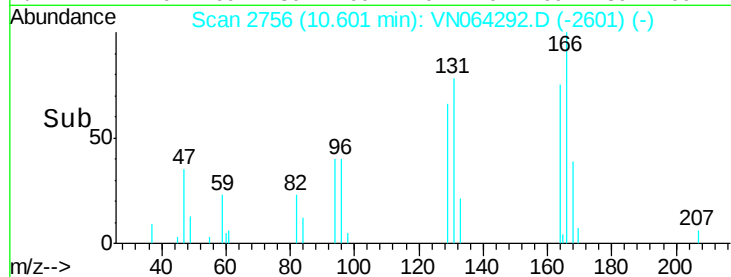
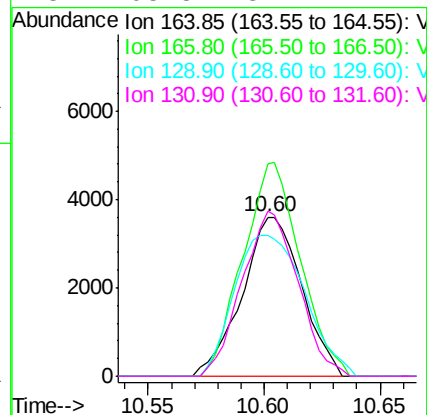
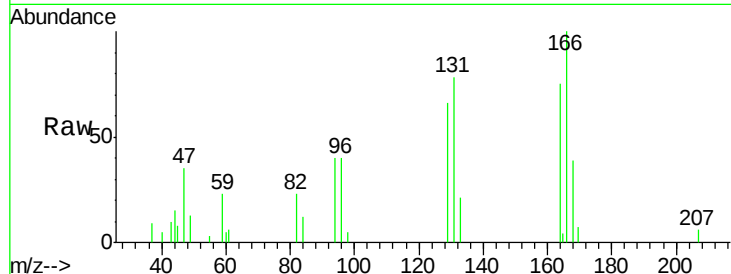
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	164	Resp:	6423
Ion	Ratio	Lower	Upper
164	100		
166	133.3	107.4	161.0
129	88.4	84.3	126.5
131	103.8	81.1	121.7

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#62

Toluene

Concen: 2.001 ug/l

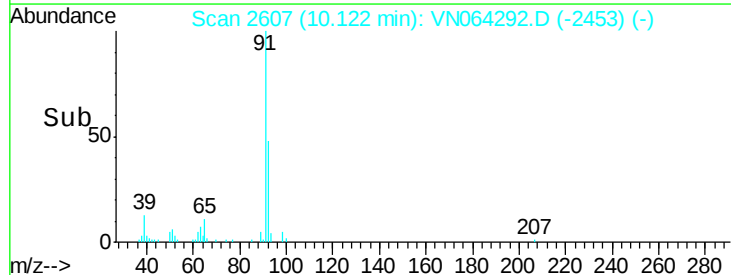
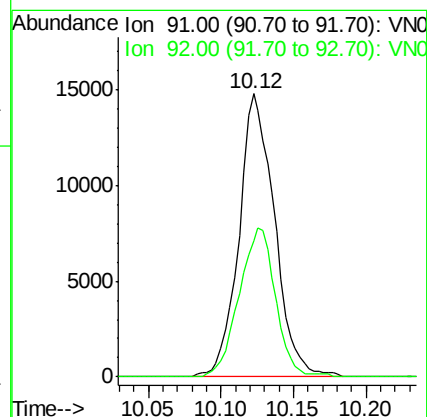
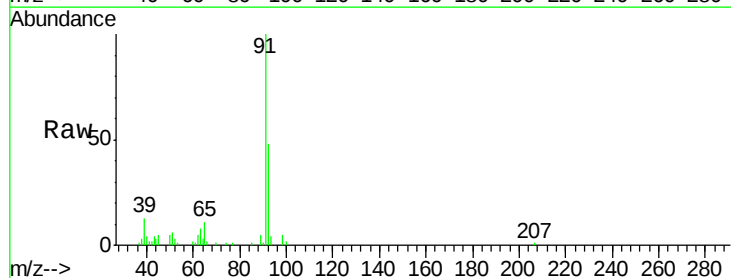
RT: 10.12 min Scan# 2607

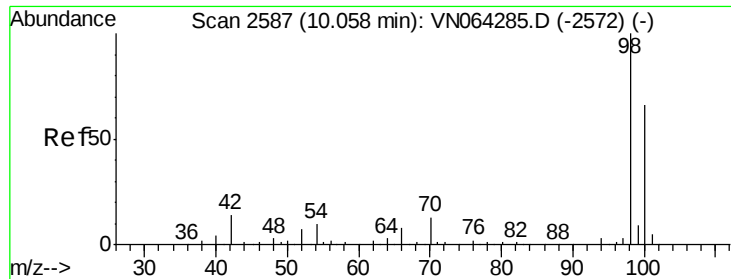
Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	91	Resp:	25252
Ion	Ratio	Lower	Upper
91	100		
92	53.2	46.4	69.6





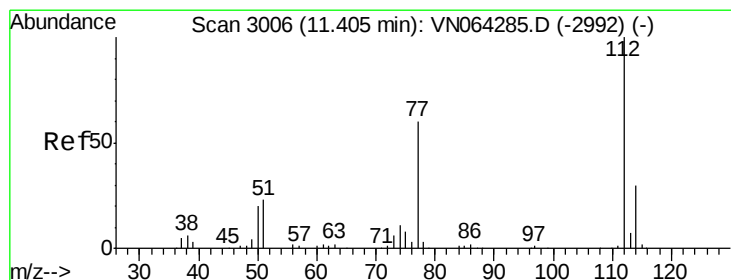
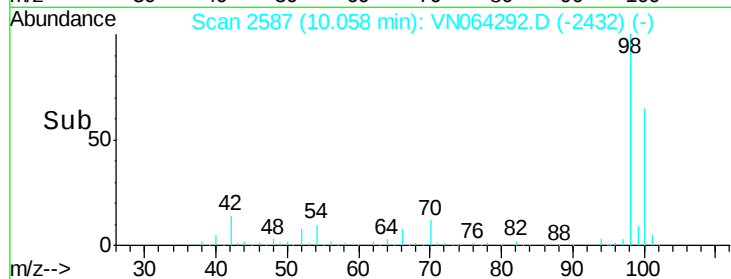
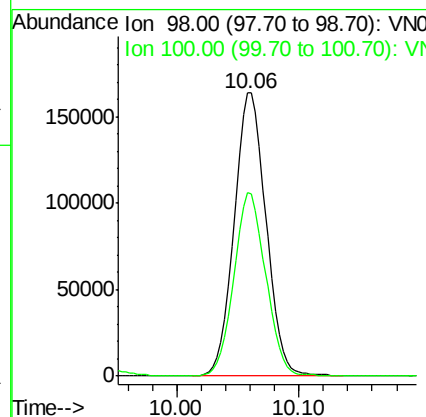
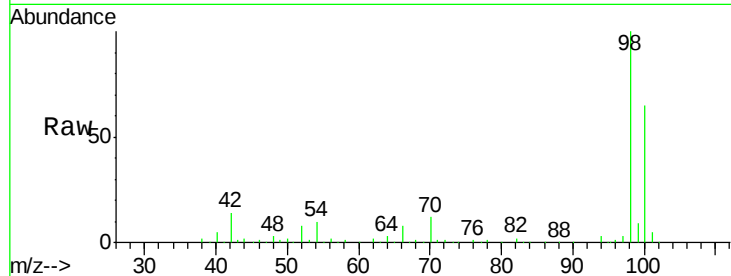
#63
Toluene-d8
Concen: 30.436 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion: 98 Resp: 298205
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

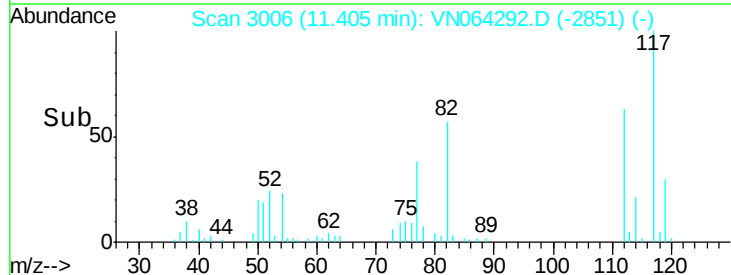
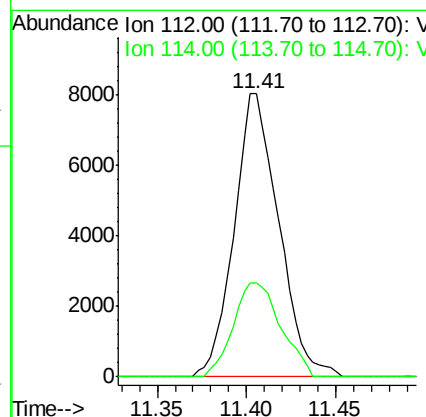
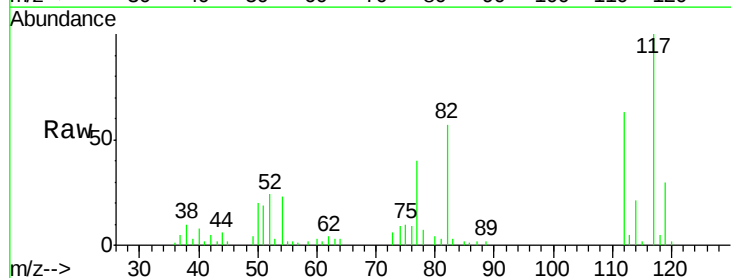
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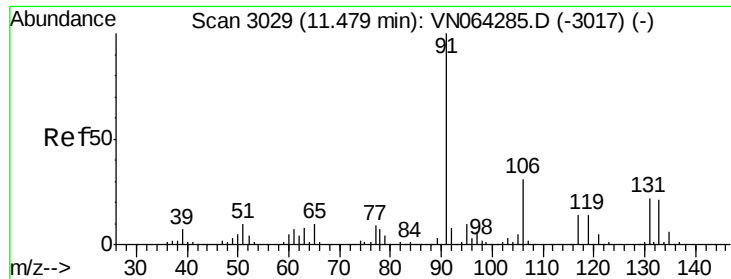
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#64
Chlorobenzene
Concen: 1.794 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion: 112 Resp: 14042
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7





#65

1,1,1,2-Tetrachloroethane

Concen: 1.894 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

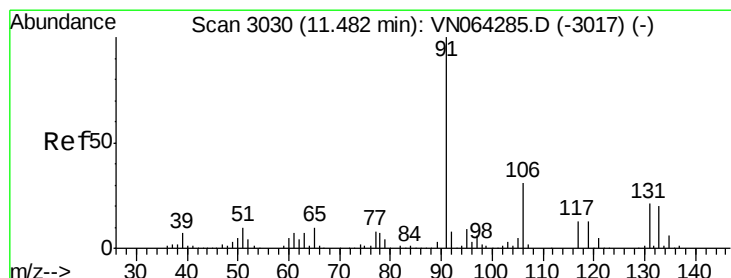
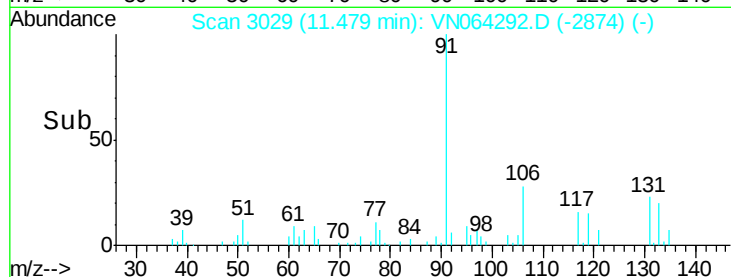
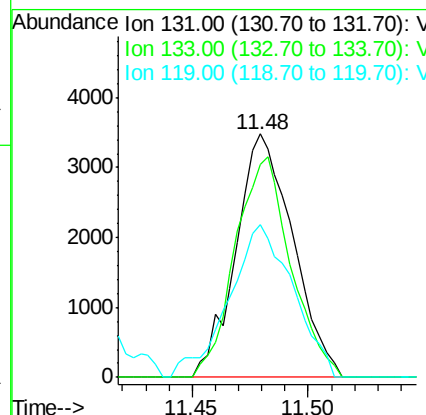
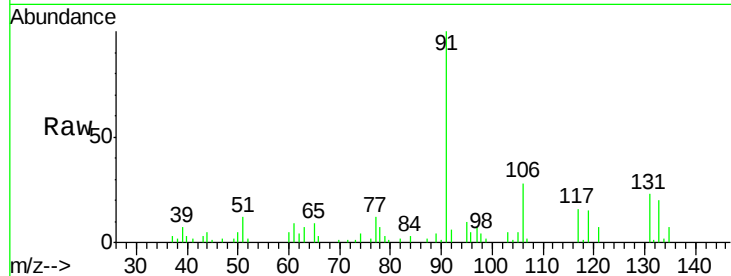
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	131	Resp:	5921
Ion Ratio	Lower	Upper	
131	100		
133	88.7	0.0	193.4
119	67.3	0.0	125.2

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#66

Ethyl Benzene

Concen: 1.869 ug/l

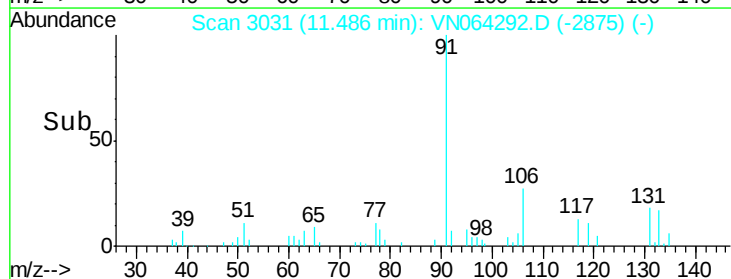
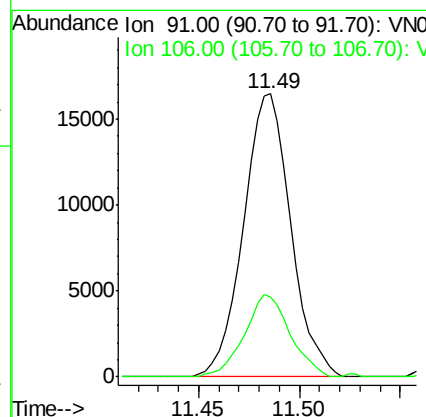
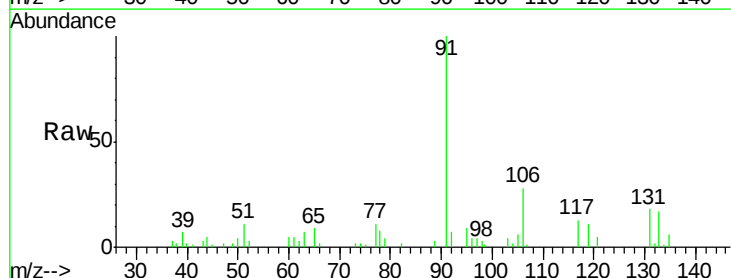
RT: 11.49 min Scan# 3031

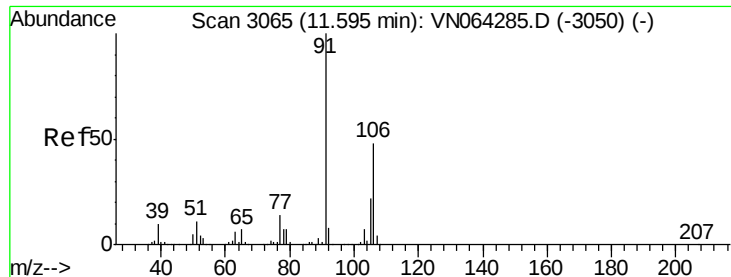
Delta R.T. 0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	91	Resp:	27046
Ion Ratio	Lower	Upper	
91	100		
106	28.3	23.8	35.6





#67

m/p-Xylenes

Concen: 3.520 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:106 Resp: 18887

Ion Ratio Lower Upper

106 100

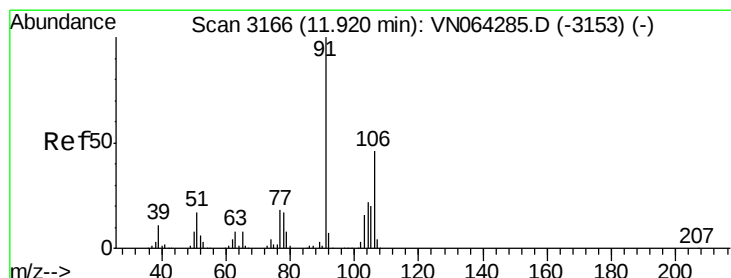
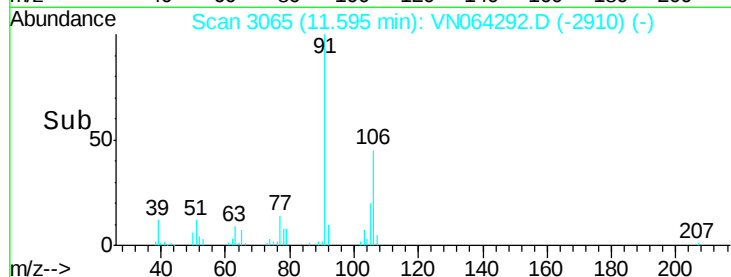
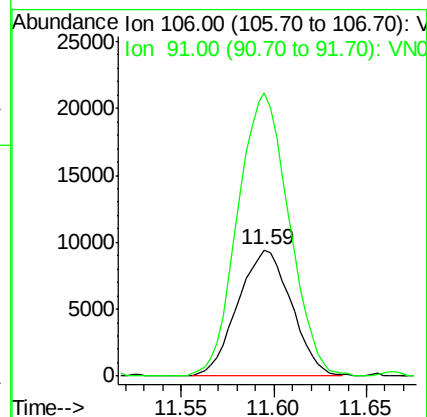
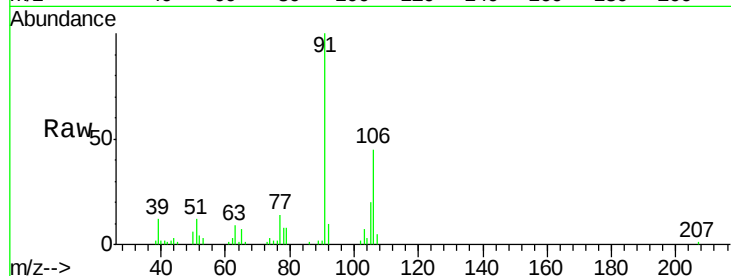
91 215.2 170.6 255.8

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#68

o-Xylene

Concen: 1.754 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064292.D

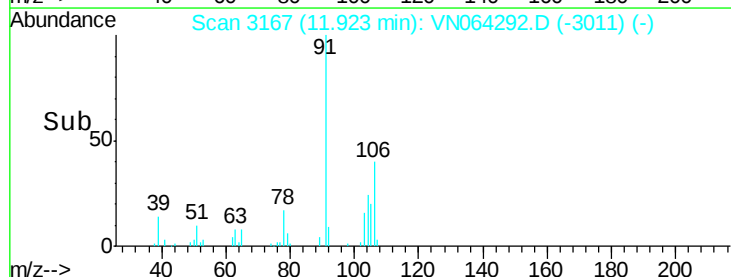
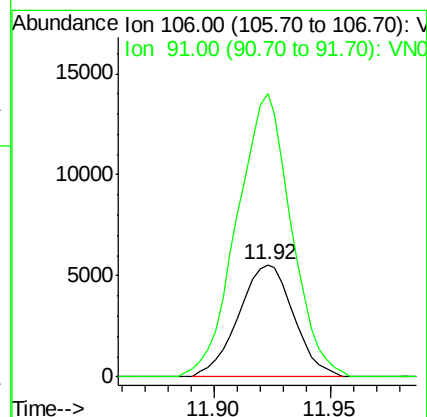
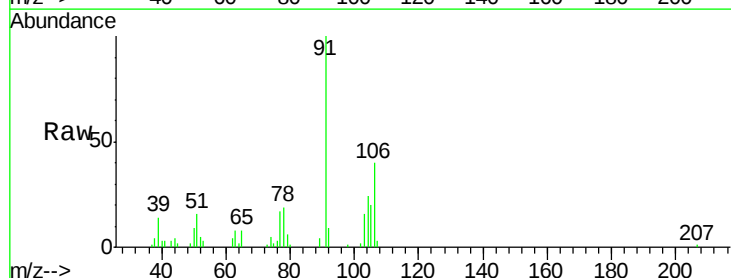
Acq: 23 Oct 2020 17:43

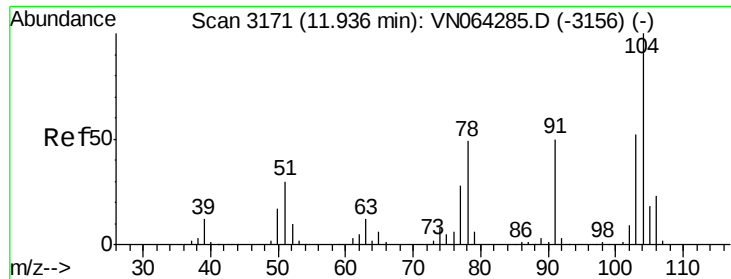
Tgt Ion:106 Resp: 9137

Ion Ratio Lower Upper

106 100

91 249.5 115.3 346.0





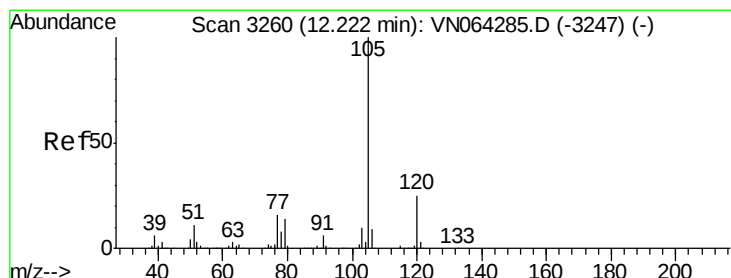
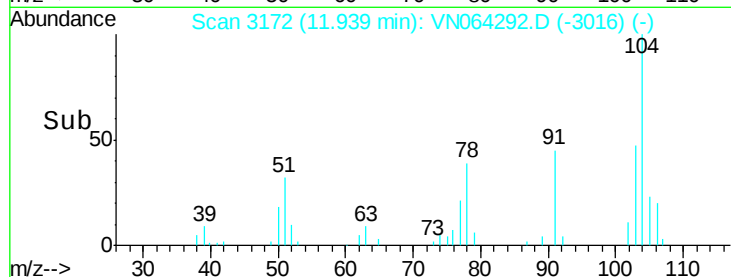
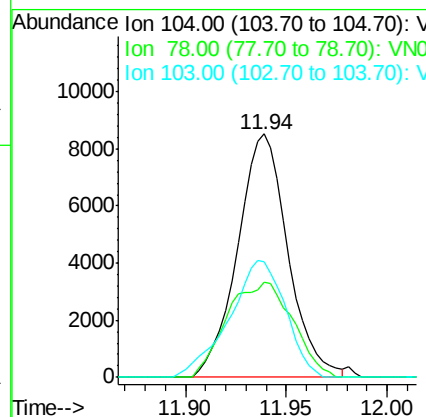
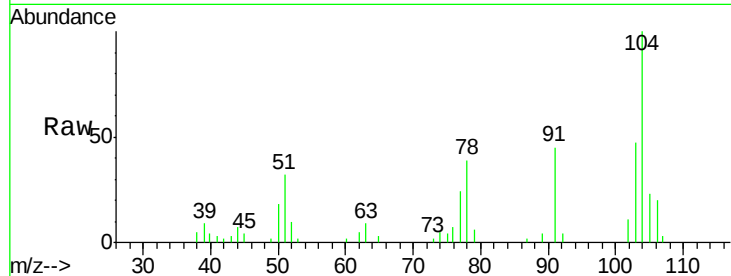
#69
Stvrene
Concen: 1.714 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	21.9	45.4	68.2#
103	53.5	44.6	67.0

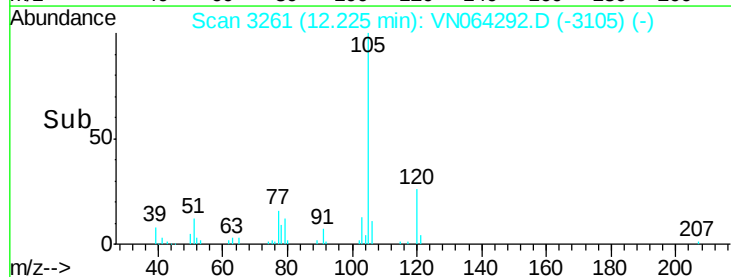
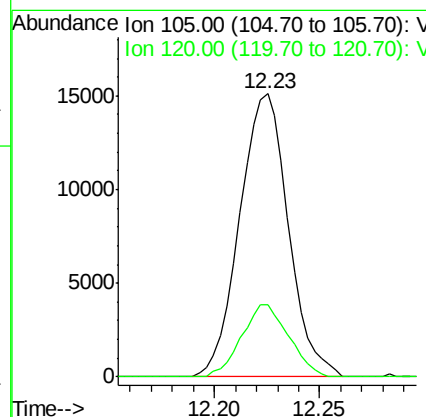
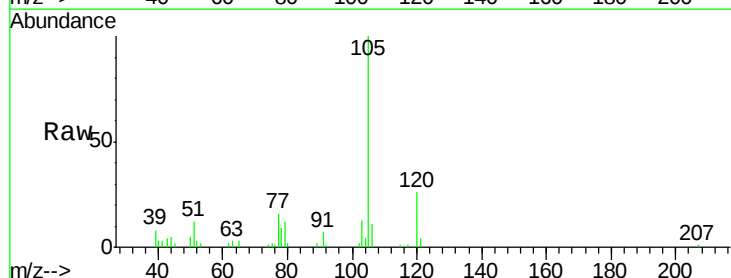
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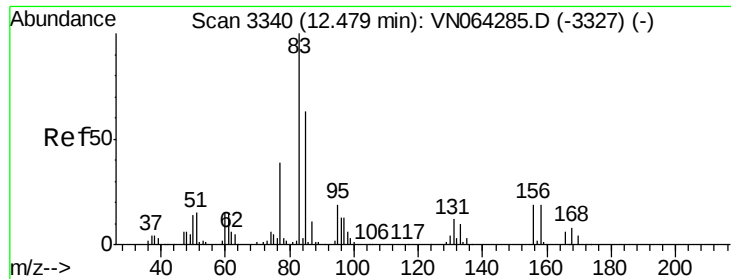
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#70
Isopropylbenzene
Concen: 1.761 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	18.6	34.5





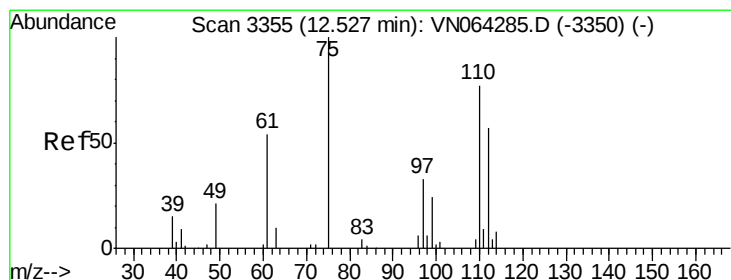
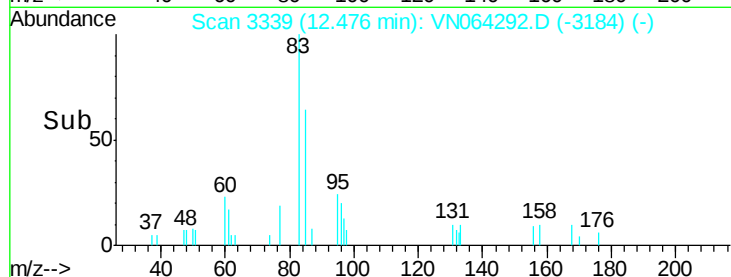
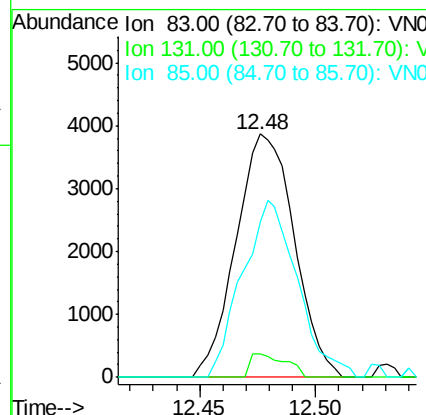
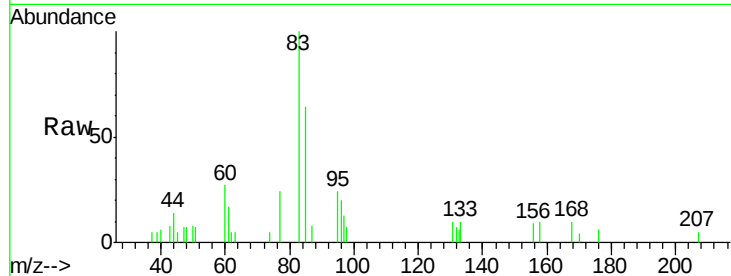
#71
 1,1,2,2-Tetrachloroethane
 Concen: 1.829 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	4.6	5.7	17.0#
85	68.7	33.3	99.8

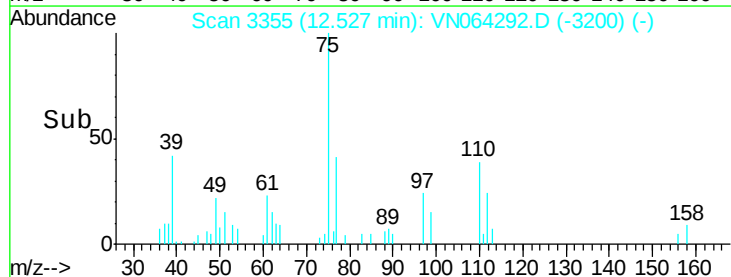
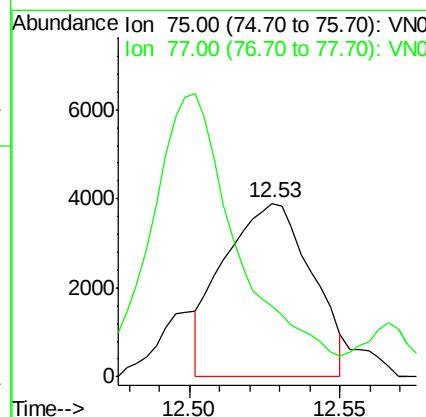
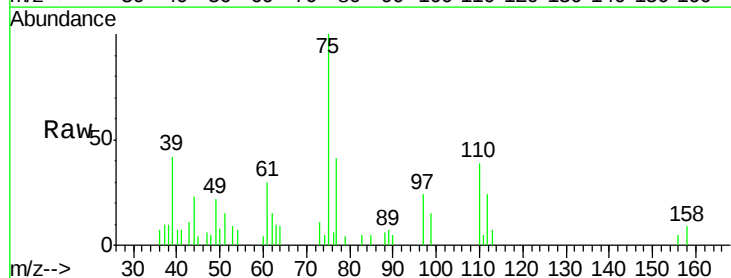
Manual Integrations
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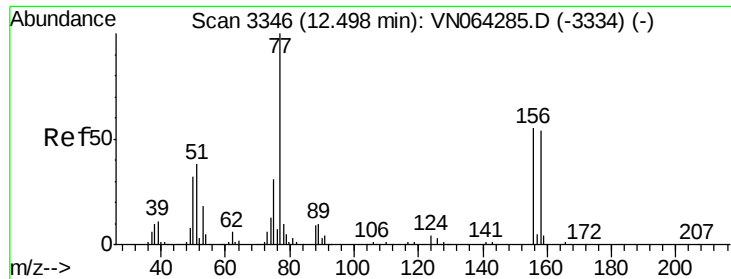
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#72
 1,2,3-Trichloropropane
 Concen: 2.062 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	163.6	0.0	365.2





#73

Bromobenzene

Concen: 1.784 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

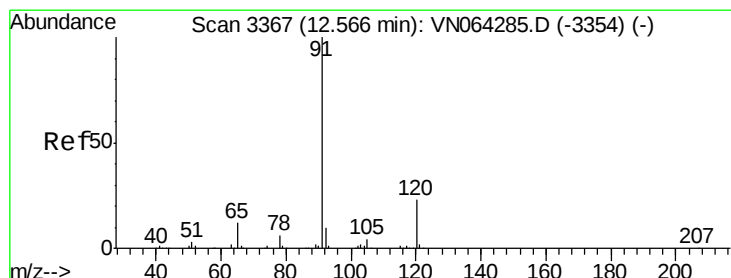
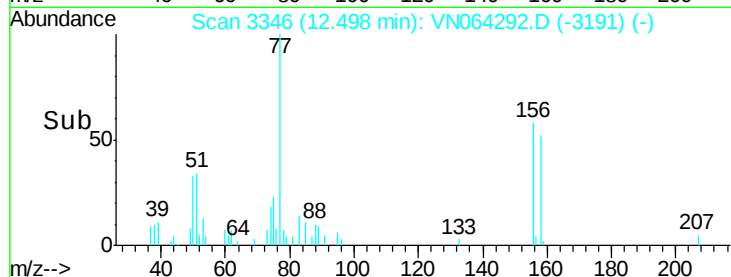
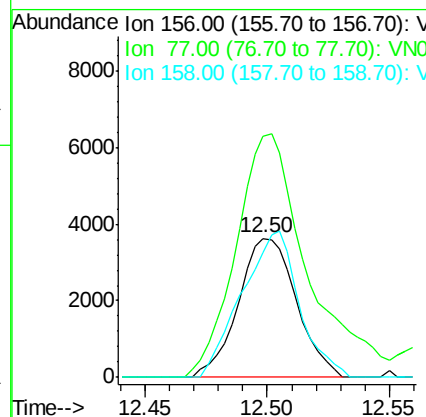
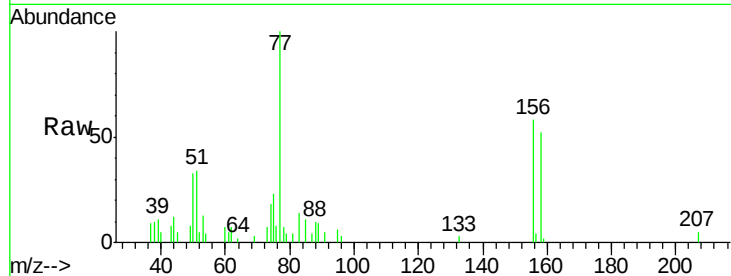
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	156	Resp:	5978
Ion	Ratio	Lower	Upper
156	100		
77	216.5	0.0	450.2
158	104.4	0.0	194.8

Manual Integrations
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#74

n-propylbenzene

Concen: 1.773 ug/l

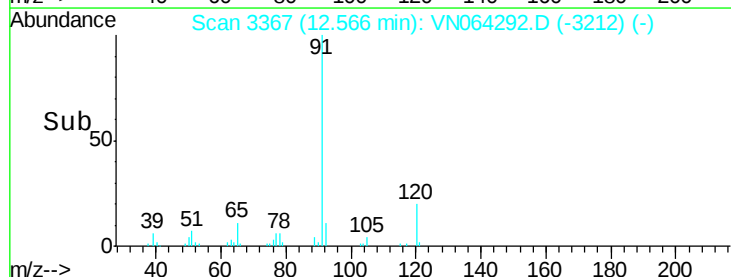
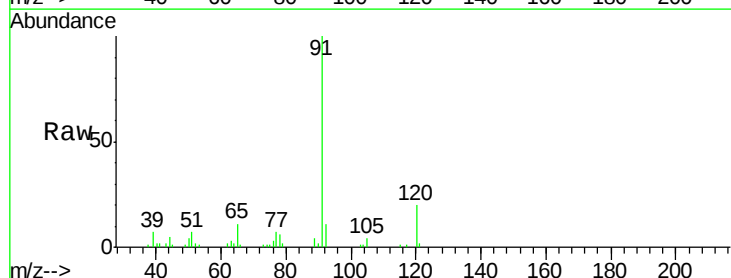
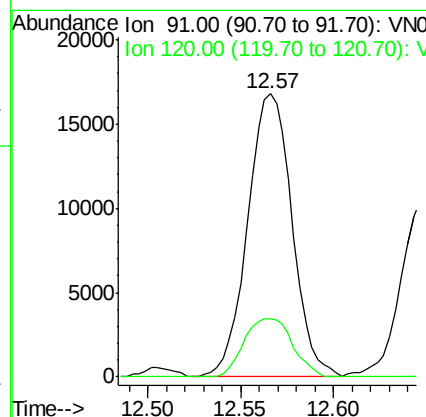
RT: 12.57 min Scan# 3367

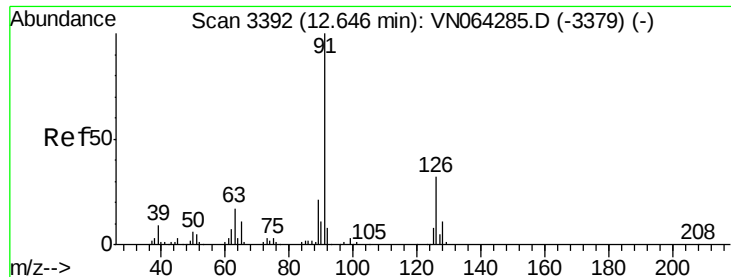
Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Tgt Ion:	91	Resp:	28019
Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	43.6





#75

2-Chlorotoluene

Concen: 1.909 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064292.D

Acq: 23 Oct 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 18631

Ion Ratio Lower Upper

91 100

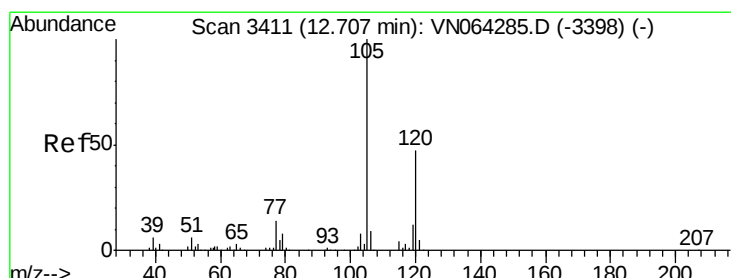
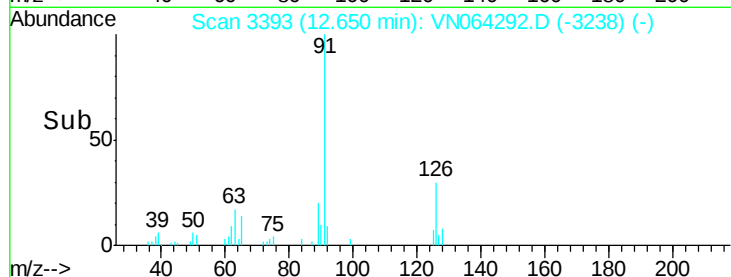
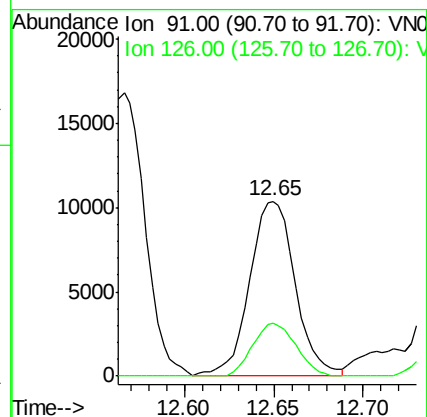
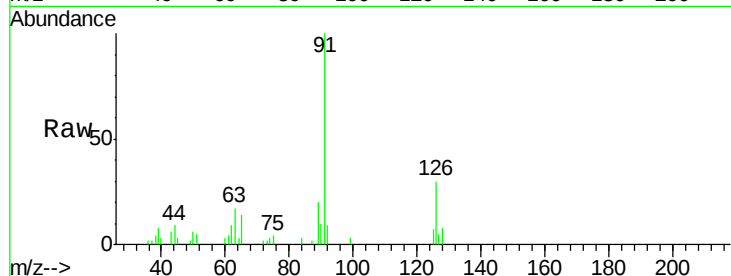
126 28.5 0.0 62.8

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#76

1,3,5-Trimethylbenzene

Concen: 1.655 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064292.D

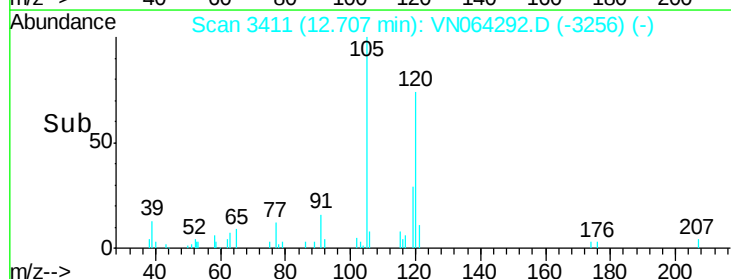
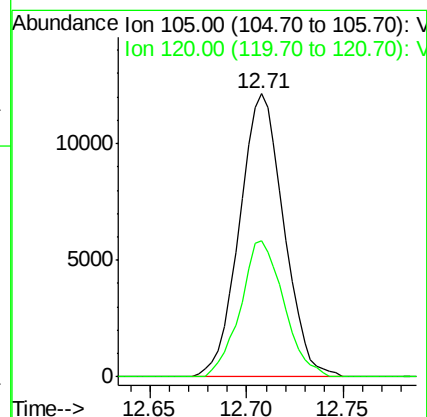
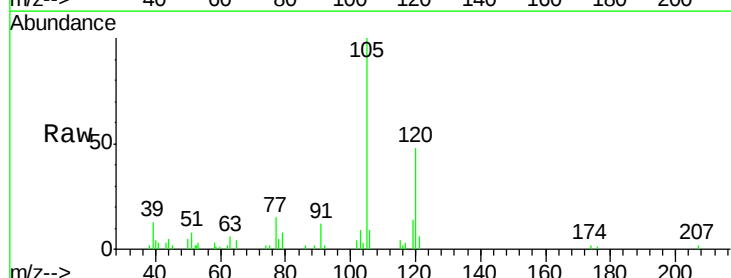
Acq: 23 Oct 2020 17:43

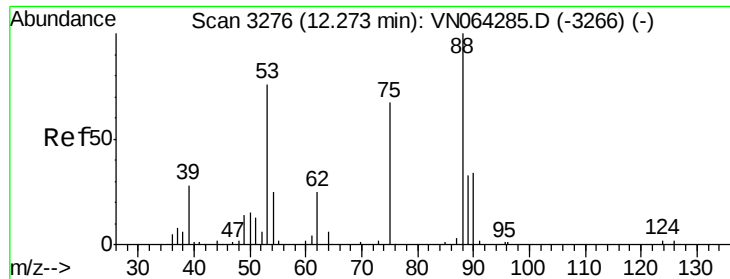
Tgt Ion: 105 Resp: 19315

Ion Ratio Lower Upper

105 100

120 47.0 0.0 92.8





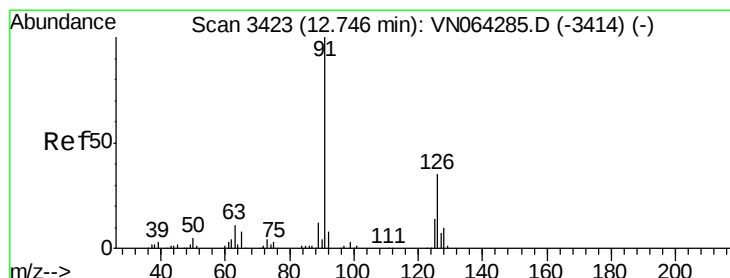
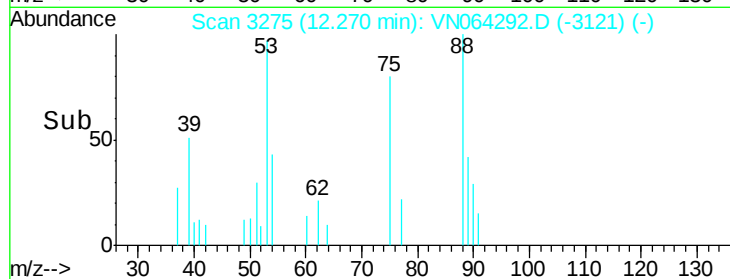
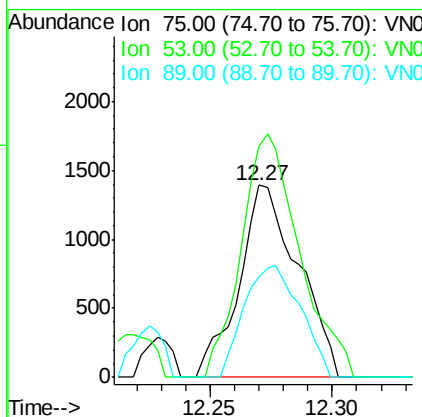
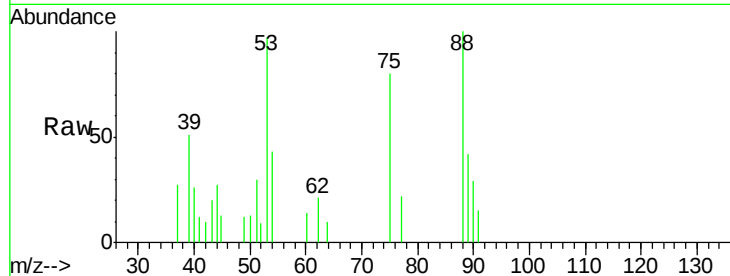
#77
t-1,4-Dichloro-2-butene
Concen: 1.579 ug/l
RT: 12.27 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.5	44.8	134.3
89	52.5	22.2	66.6

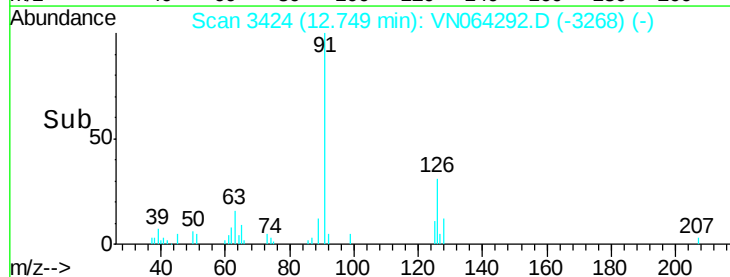
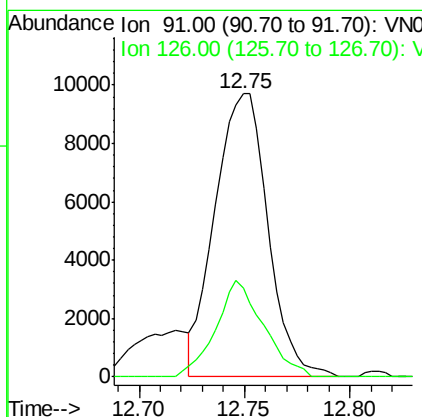
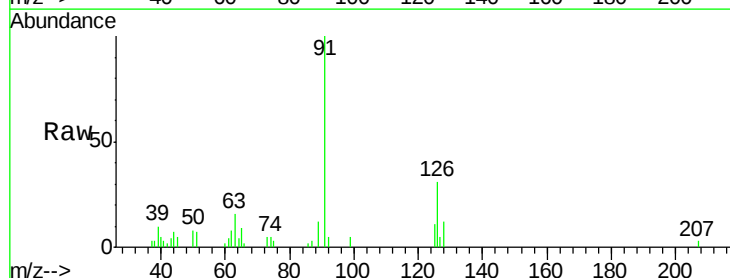
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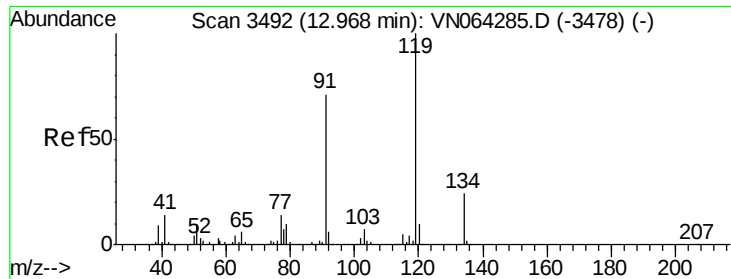
MMDadoda
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#78
4-Chlorotoluene
Concen: 1.662 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	0.0	62.2





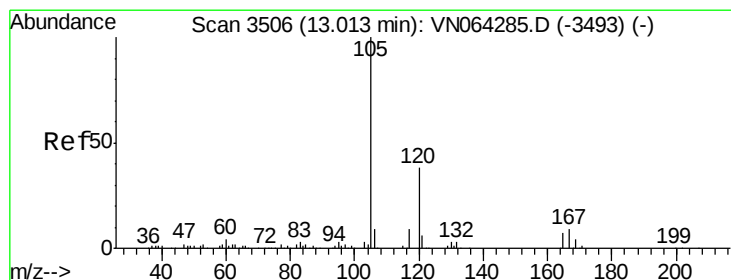
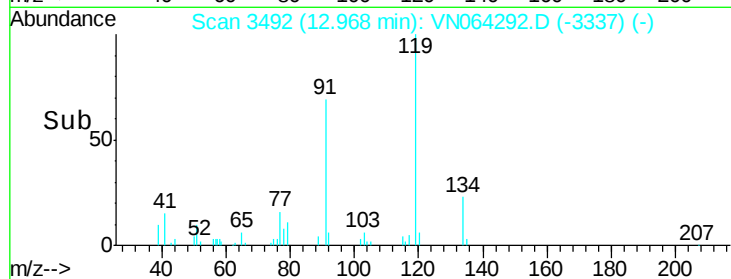
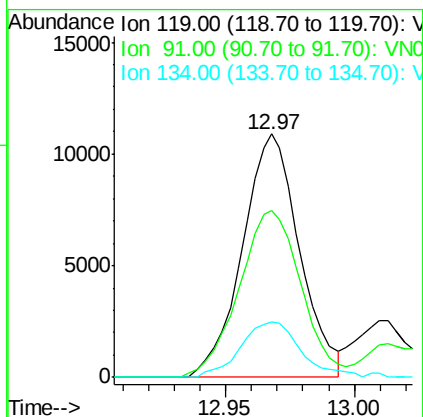
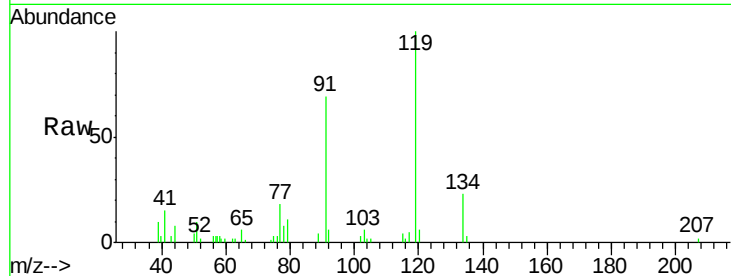
#79
tert-butylbenzene
Concen: 1.763 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16822		
91	74.5		0.0	140.0
134	23.9		0.0	45.8

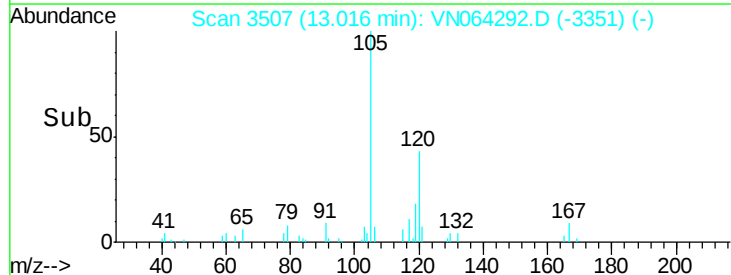
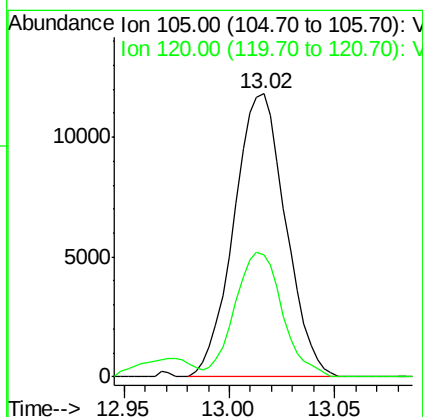
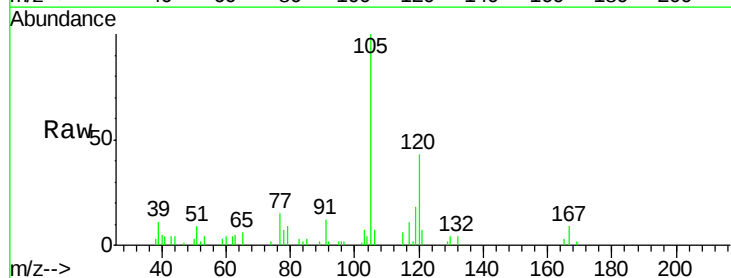
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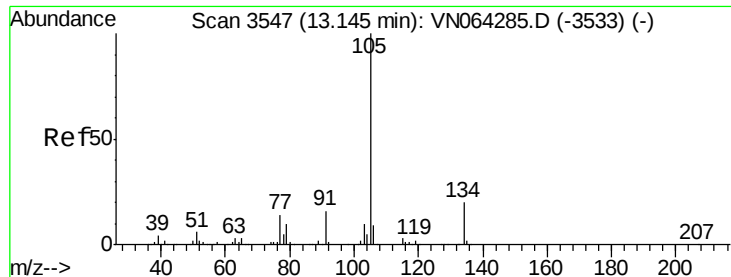
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#80
1,2,4-Trimethylbenzene
Concen: 1.699 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20126		
120	40.5		0.0	87.4





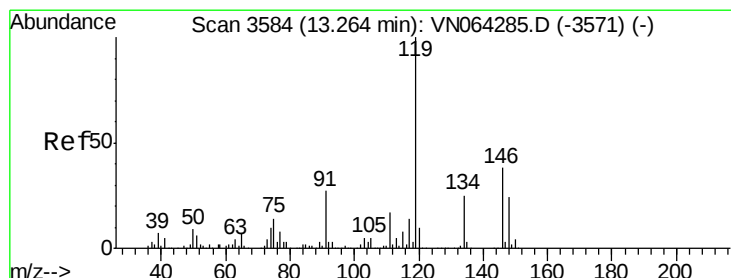
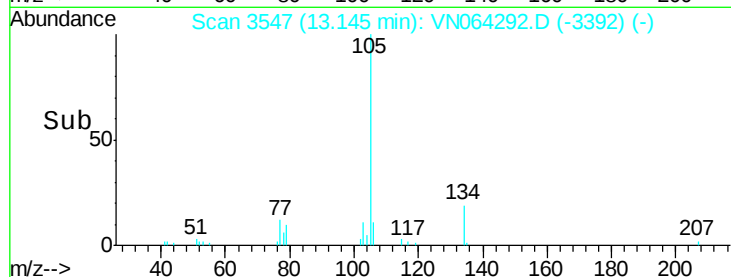
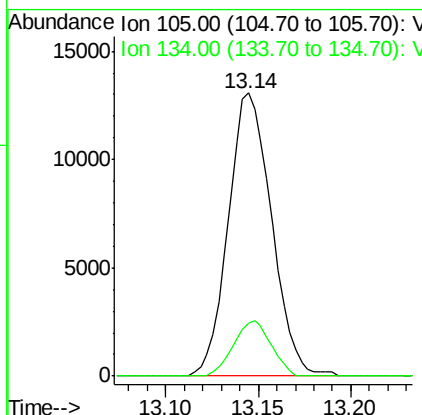
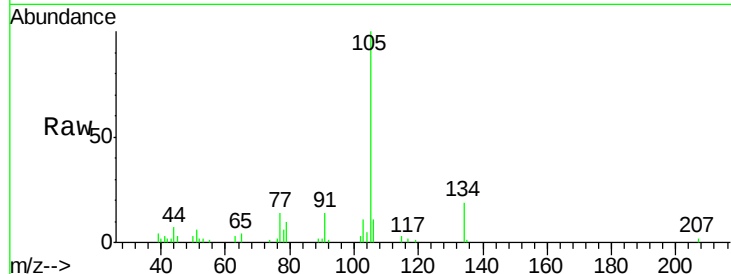
#81
 sec-Butylbenzene
 Concen: 1.714 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Resp	Lower	Upper
105	100	21230		
134	17.0	0.0	36.8	

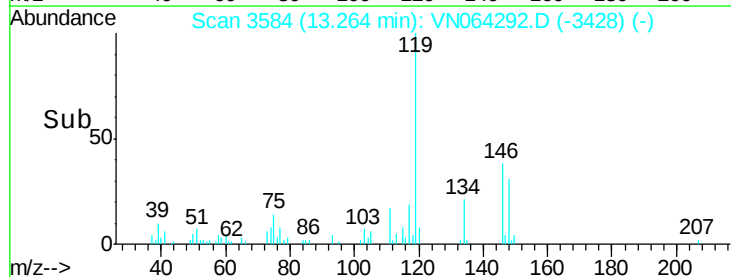
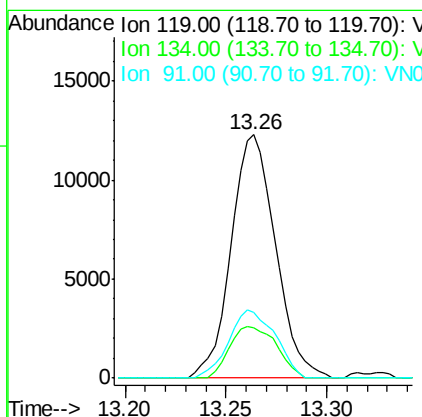
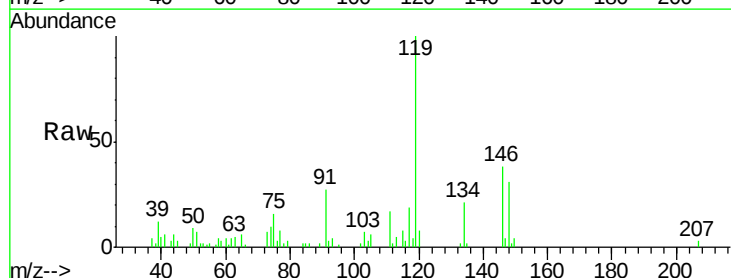
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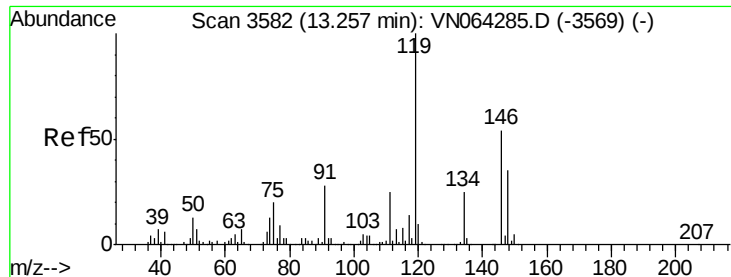
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#82
 p-Isopropyltoluene
 Concen: 1.667 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	18949		
134	22.5	0.0	47.8	
91	29.3	0.0	55.8	





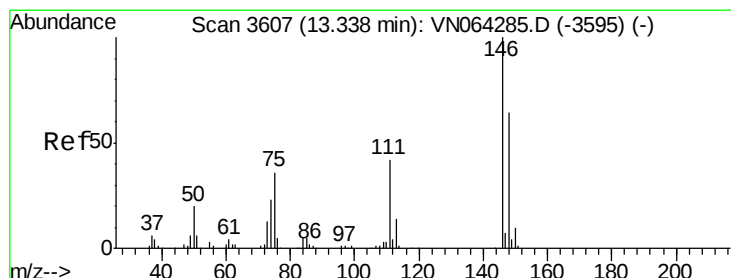
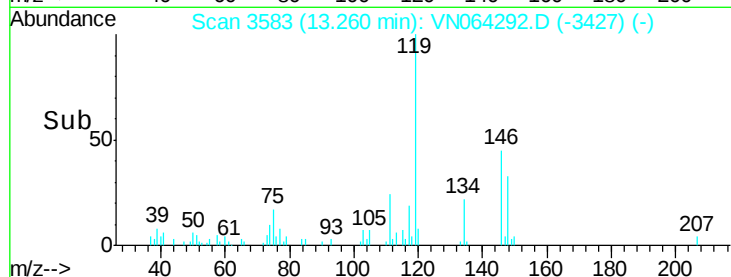
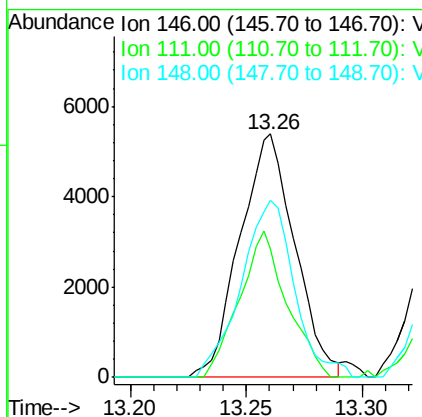
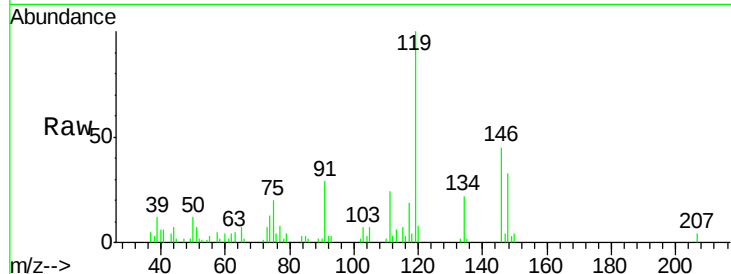
#83
 1,3-Dichlorobenzene
 Concen: 1.497 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.3	22.1	66.5
148	70.5	31.9	95.5

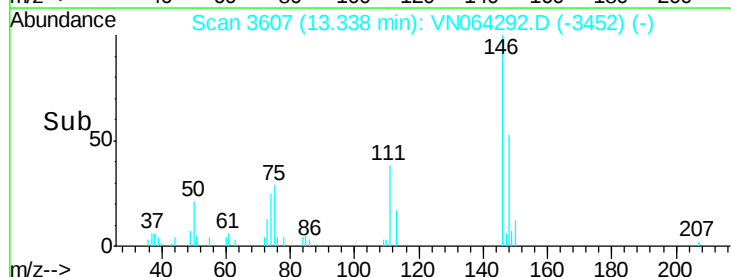
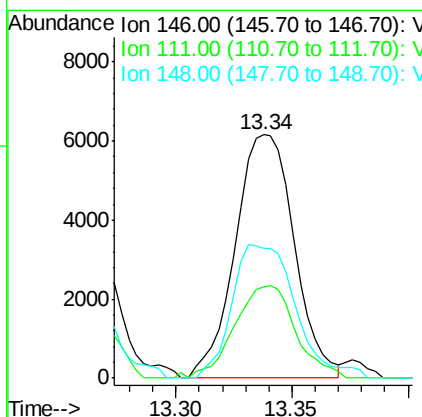
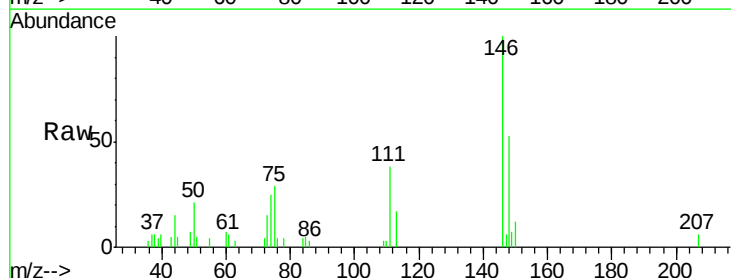
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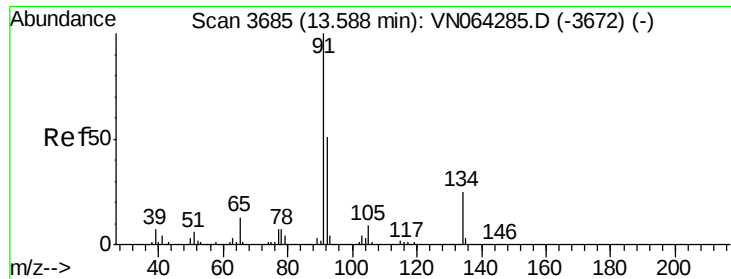
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#84
 1,4-Dichlorobenzene
 Concen: 1.812 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	61.0
148	58.2	31.4	94.3





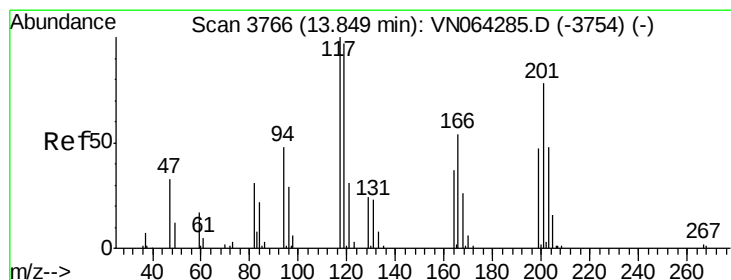
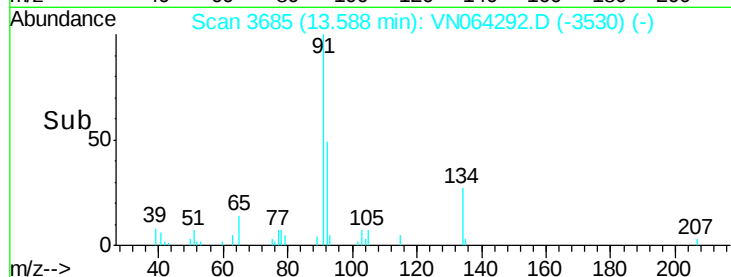
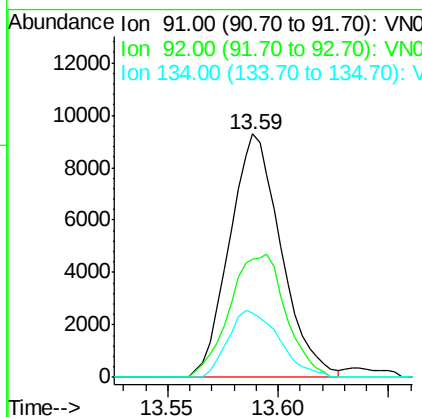
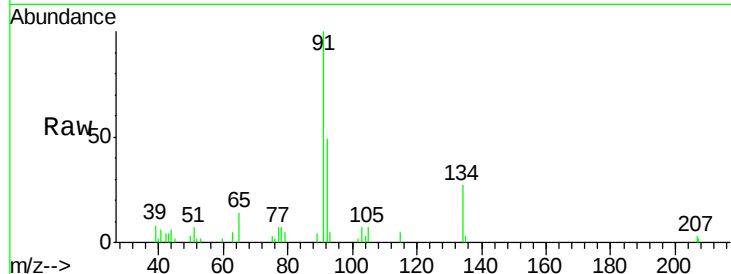
#85
n-Butylbenzene
Concen: 1.508 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	0.0	110.0
134	27.3	0.0	51.6

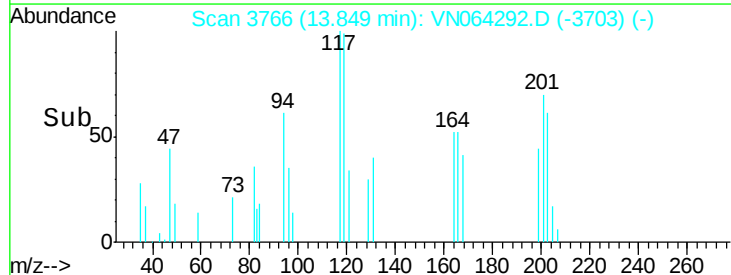
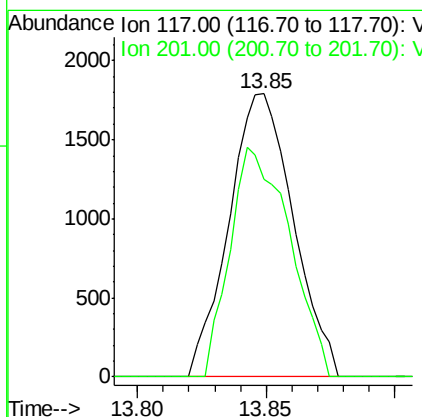
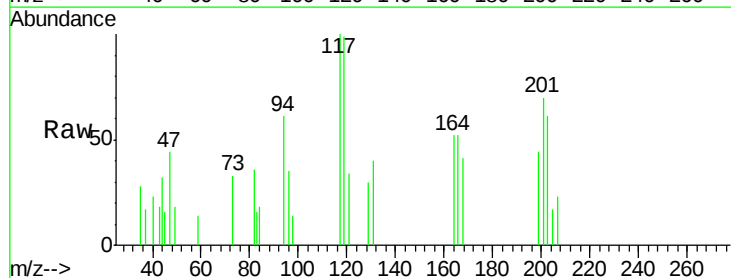
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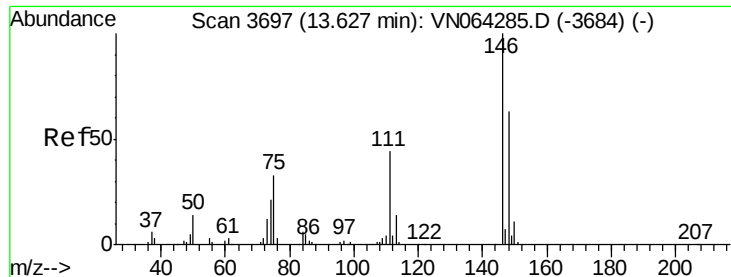
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#86
Hexachloroethane
Concen: 1.623 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	37.2	111.6





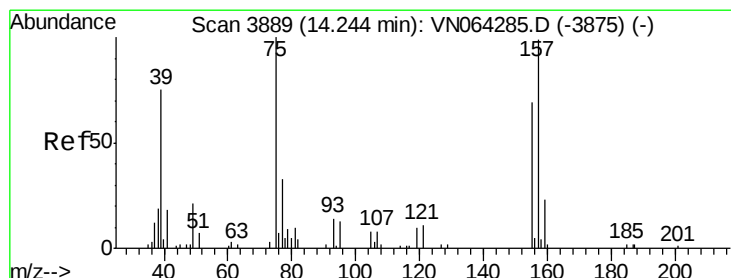
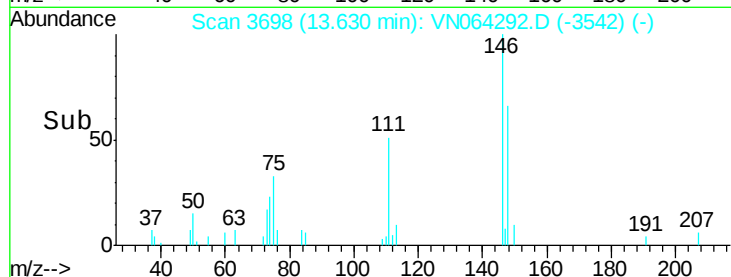
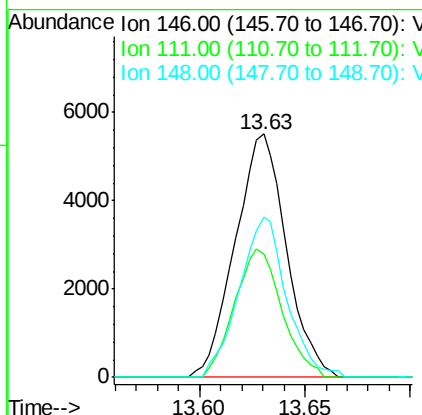
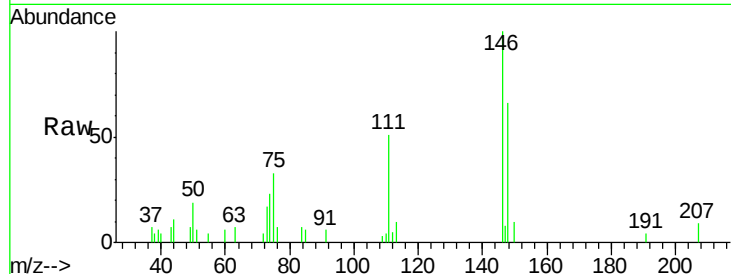
#87
 1,2-Dichlorobenzene
 Concen: 1.613 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	23.1	69.3
148	60.8	32.3	96.8

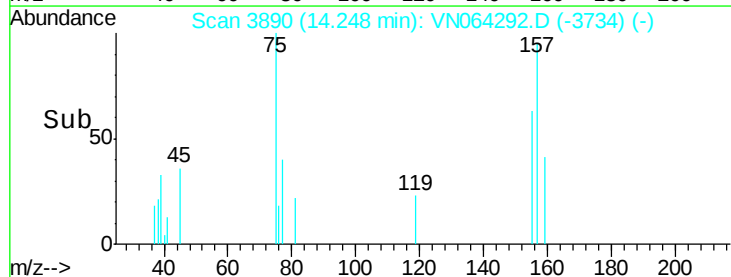
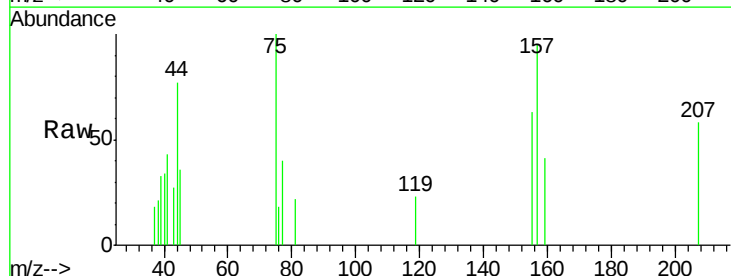
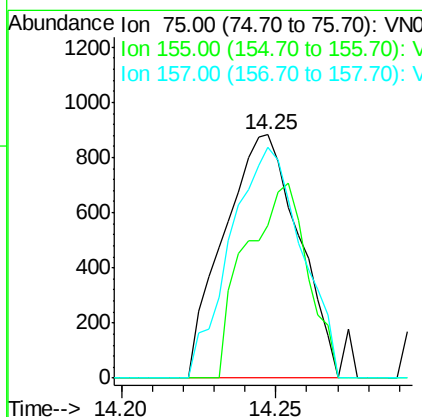
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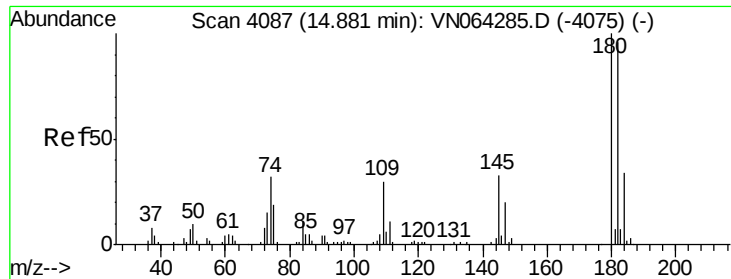
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.646 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN064292.D
 Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.7	56.6	84.8
157	90.1	70.1	105.1





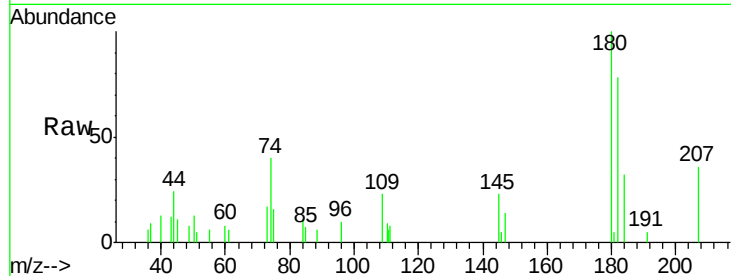
#89
1,2,4-Trichlorobenzene
Concen: 1.340 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

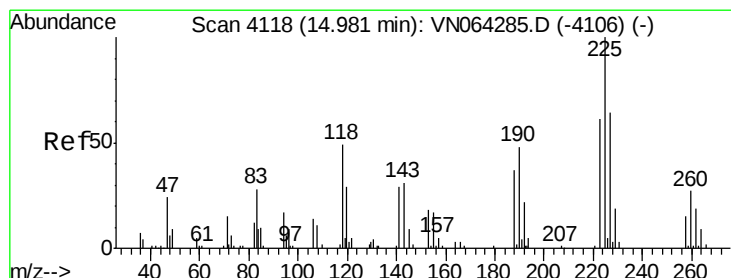
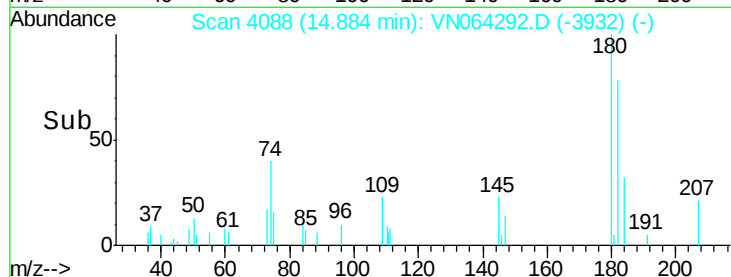
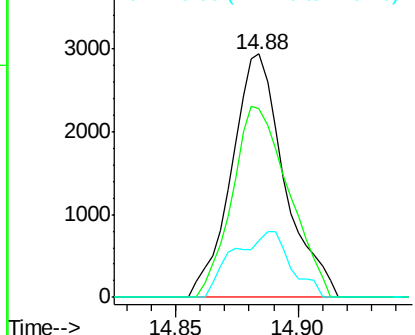
Tot Ion	Ratio	Lower	Upper
180	100		
182	83.8	71.3	106.9
145	11.0	23.9	35.9#

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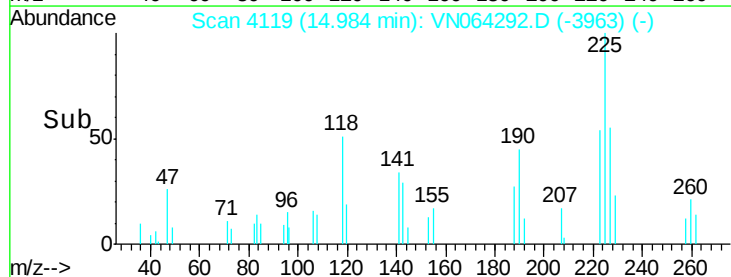
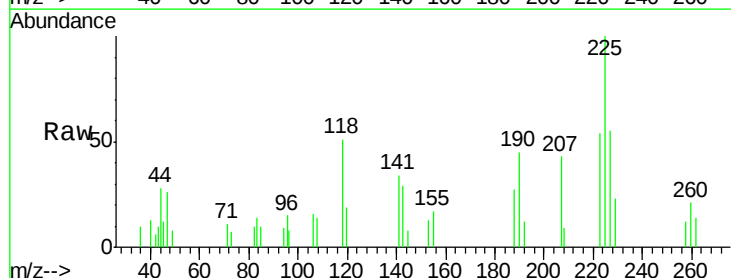
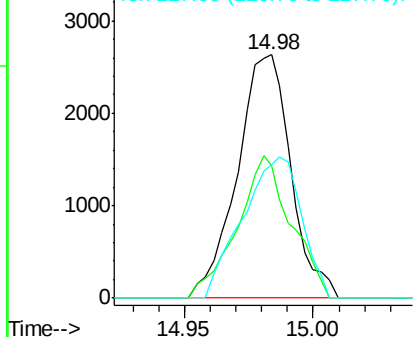
Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

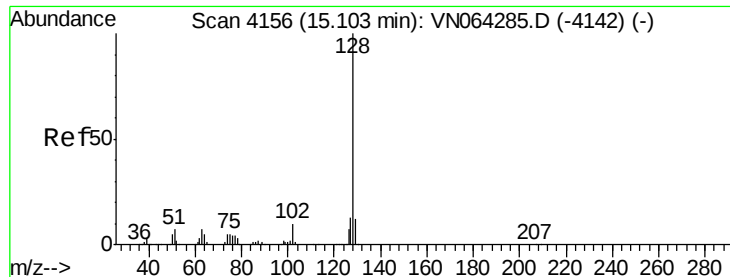


#90
Hexachlorobutadiene
Concen: 2.131 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	0.0	129.8
227	63.6	0.0	128.6

Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





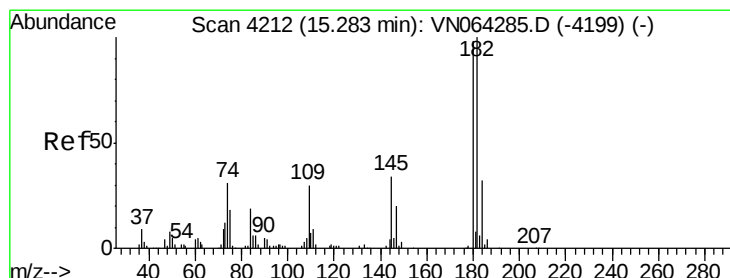
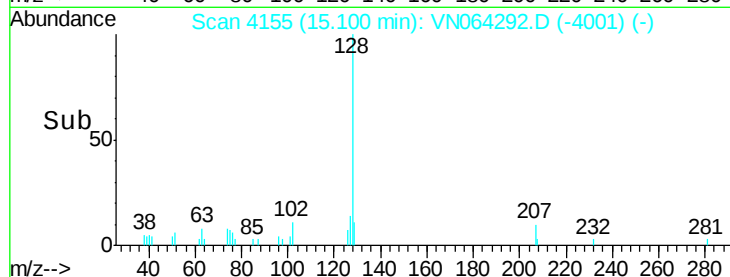
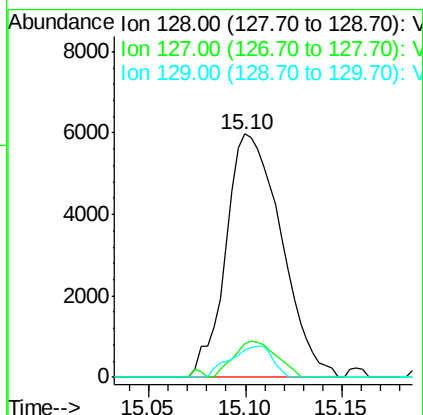
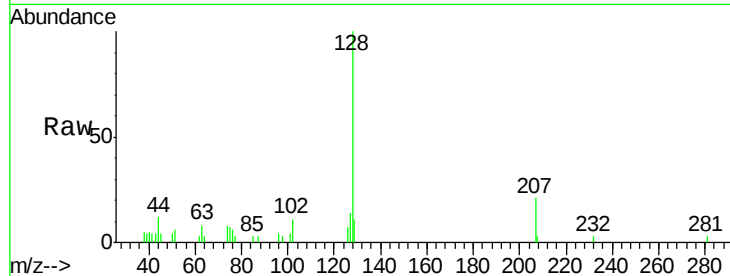
#91
Naphthalene
Concen: 1.235 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.9	14.9
129	9.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:05 PM



#92
1,2,3-Trichlorobenzene
Concen: 1.212 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064292.D
Acq: 23 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	117.1	0.0	188.8
145	39.5	0.0	70.0

