

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064325.D
 Acq On : 27 Oct 2020 14:53
 Operator : JC/MD
 Sample : L4214-09 .2PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
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MMDadoda
 10/28/2020 12:35:52 PM

Quant Time: Oct 28 07:31:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	268367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	433295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	388412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	215101	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.55	113	145195	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.06	98	518119	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.38	95	194969	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	889	0.267	ug/l	99
4) Vinyl Chloride	2.16	62	772	0.239	ug/l #	80
7) Trichlorofluoromethane	2.99	101	1112m	0.206	ug/l	
15) Acrylonitrile	4.94	53	1173	0.871	ug/l #	34
16) Acetone	3.78	43	2930m	1.863	ug/l	
17) Carbon Disulfide	4.02	76	3104	0.409	ug/l #	75
23) Vinyl Acetate	5.85	43	7825m	0.904	ug/l	
25) 2-Butanone	6.78	43	1352	0.624	ug/l	97
27) cis-1,2-Dichloroethene	6.77	96	892m	0.273	ug/l	
29) Tetrahydrofuran	7.16	42	1788m	1.272	ug/l	
30) Chloroform	7.31	83	1338m	0.219	ug/l	
36) 1,1-Dichloropropene	7.75	75	1025m	0.234	ug/l	
38) Carbon Tetrachloride	7.72	117	1037m	0.205	ug/l	
41) Methacrylonitrile	7.14	41	586	0.267	ug/l #	25
42) 1,2-Dichloroethane	8.09	62	1457	0.277	ug/l #	79
48) Methyl methacrylate	9.17	41	785	0.202	ug/l #	66
49) 1,4-Dioxane	9.16	88	186	3.239	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	3684	0.839	ug/l	91
52) Toluene	10.13	92	1613	0.210	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	1118	0.209	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.66	63	1942	0.775	ug/l	100
59) 2-Hexanone	10.72	43	2905m	0.899	ug/l	
64) Tetrachloroethene	10.59	164	835	0.262	ug/l #	74
65) Chlorobenzene	11.41	112	1576	0.200	ug/l #	83
68) m/p-Xylenes	11.59	106	2335	0.430	ug/l	74
73) Isopropylbenzene	12.22	105	2794	0.224	ug/l	88
78) n-propylbenzene	12.57	91	3005	0.213	ug/l	84
79) 2-Chlorotoluene	12.65	91	2135	0.236	ug/l	97
82) 4-Chlorotoluene	12.75	91	2186	0.237	ug/l	92
84) 1,2,4-Trimethylbenzene	13.02	105	2240	0.212	ug/l	87
86) p-Isopropyltoluene	13.26	119	2163	0.214	ug/l	82
87) 1,3-Dichlorobenzene	13.26	146	1457	0.272	ug/l	82
88) 1,4-Dichlorobenzene	13.33	146	1619m	0.297	ug/l	
89) n-Butylbenzene	13.59	91	1968	0.221	ug/l	86

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MDL-WATER-03-QT4-2020

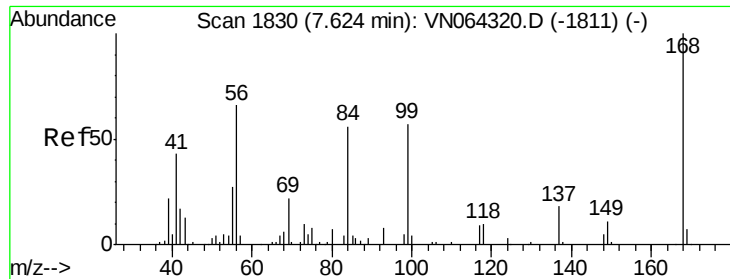
Manual Integrations
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Quant Time: Oct 28 07:31:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.63	146	1314	0.247	ug/l #	80
93) 1,2,4-Trichlorobenzene	14.90	180	536m	0.202	ug/l	
94) Hexachlorobutadiene	14.98	225	581	0.356	ug/l	85
95) Naphthalene	15.11	128	1741	0.212	ug/l #	74

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 268367

Ion Ratio Lower Upper

168 100

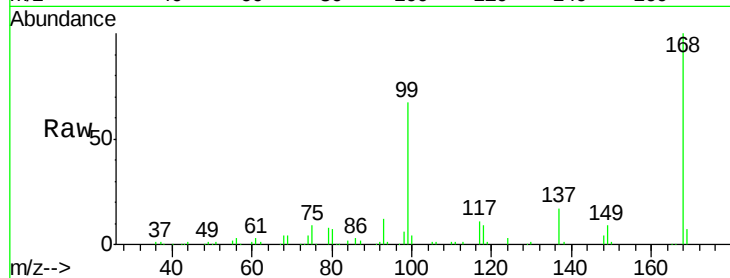
99 67.3 52.7 79.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

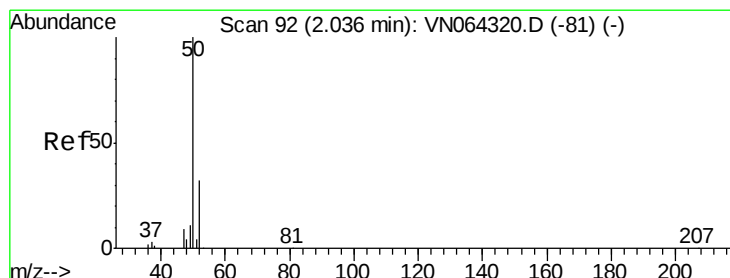
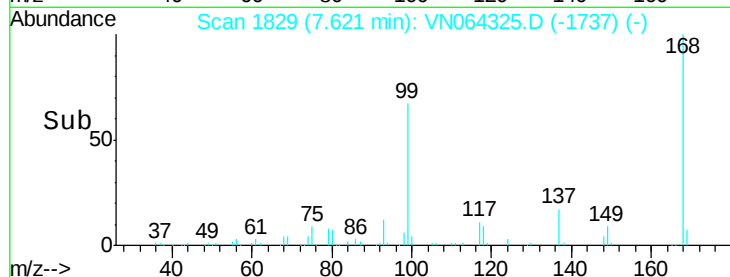
7.62

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.267 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN064325.D

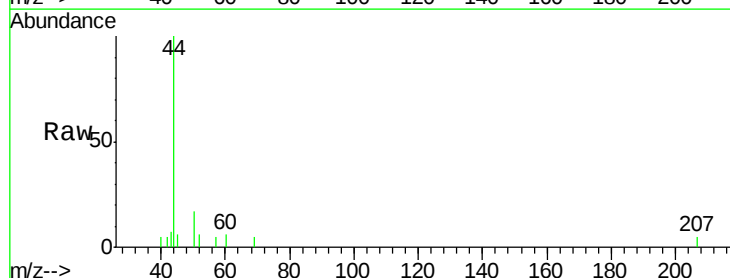
Acq: 27 Oct 2020 14:53

Tgt Ion: 50 Resp: 889

Ion Ratio Lower Upper

50 100

52 32.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

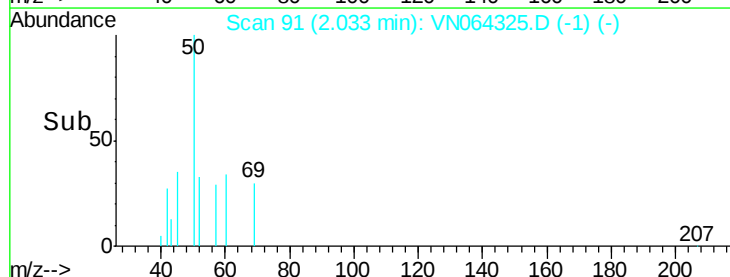
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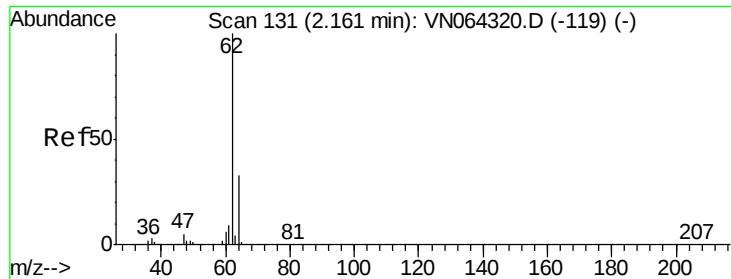
400

200

0

Time--> 2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 0.239 ug/l

RT: 2.16 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 62 Resp: 772

Ion Ratio Lower Upper

62 100

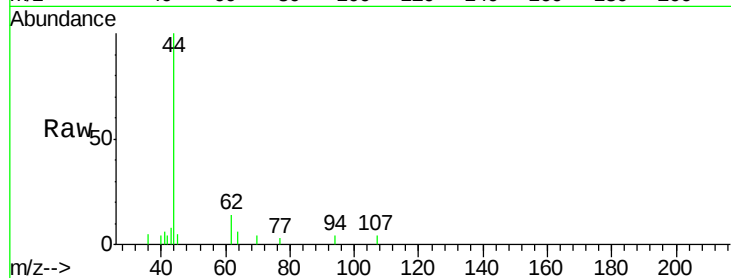
64 43.9 26.2 39.4#

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Abundance Ion 61.90 (61.60 to 62.60): VN064320.D (-119) (-)

Ion 63.90 (63.60 to 64.60): VN064320.D (-119) (-)

2.16

600

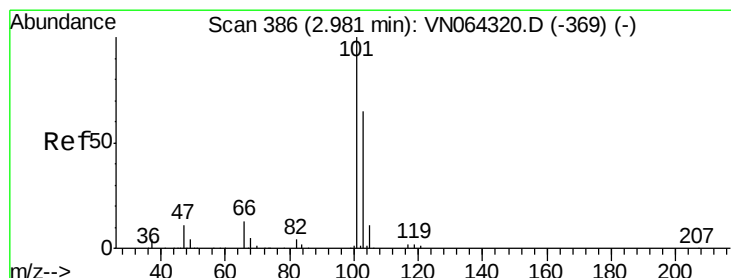
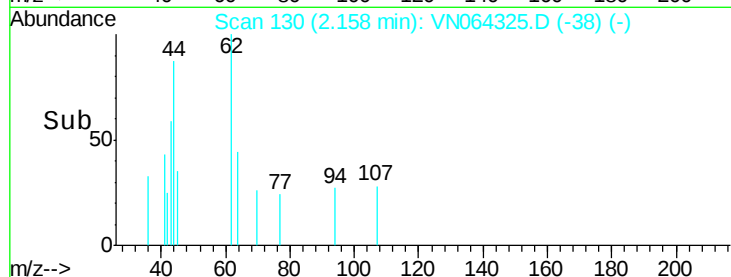
400

200

0

2.12 2.14 2.16 2.18

Time-->



#7

Trichlorofluoromethane

Concen: 0.206 ug/l m

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN064325.D

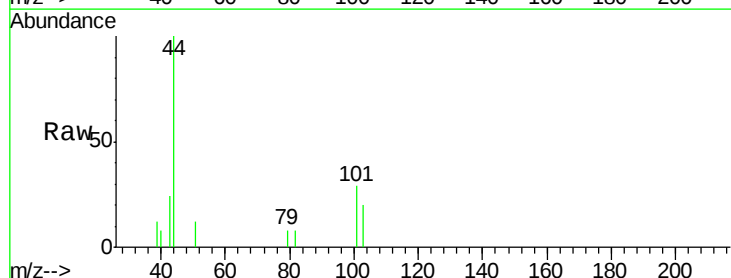
Acq: 27 Oct 2020 14:53

Tgt Ion: 101 Resp: 1112

Ion Ratio Lower Upper

101 100

103 68.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): VN064325.D (-293) (-)

Ion 102.80 (102.50 to 103.50): VN064325.D (-293) (-)

2.99

600

500

400

300

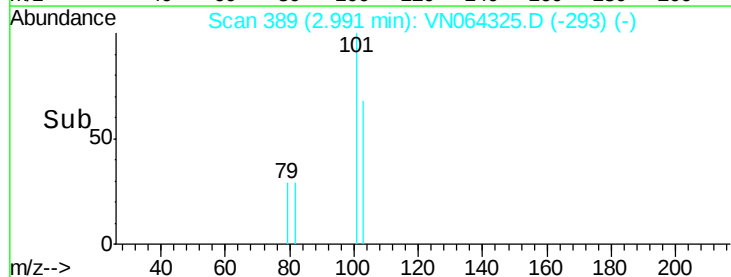
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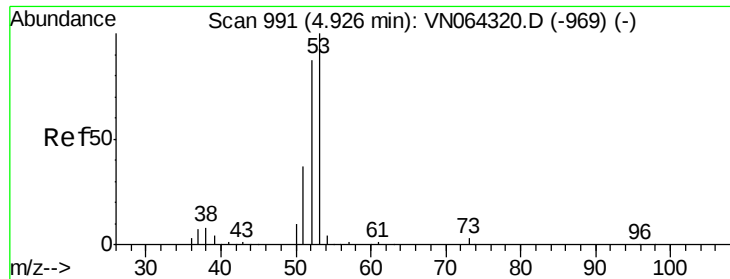
100

0

2.95 2.97 2.99 3.01

Time-->





#15

Acrylonitrile

Concen: 0.871 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

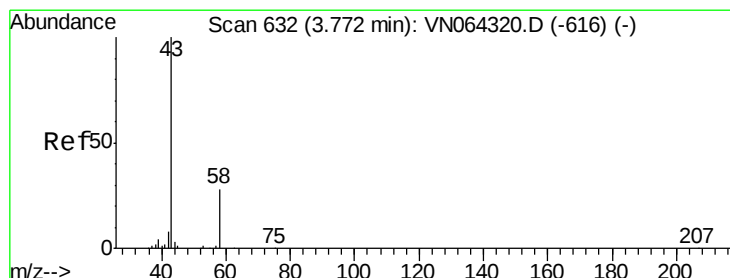
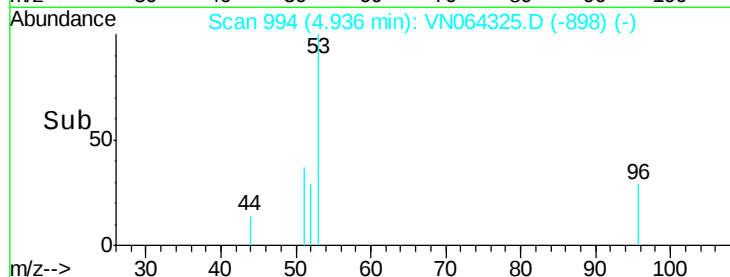
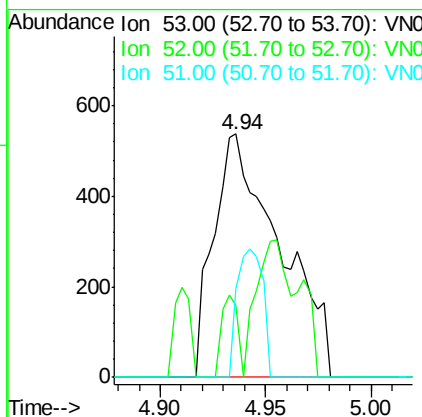
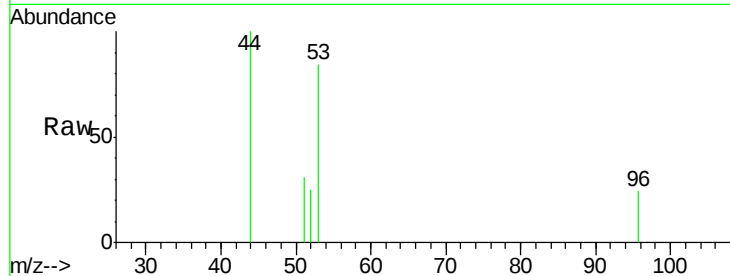
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	53	Resp:	1173
Ion	Ratio	Lower	Upper
53	100		
52	8.1	65.9	98.9#
51	20.1	30.4	45.6#

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#16

Acetone

Concen: 1.863 ug/l m

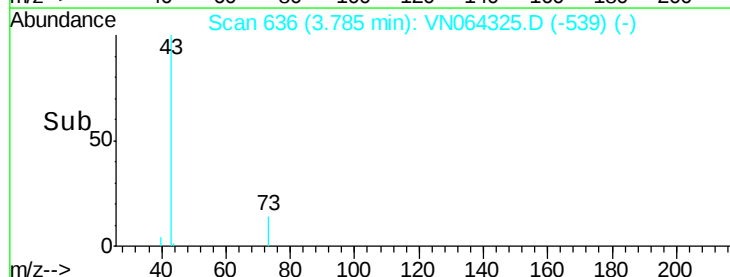
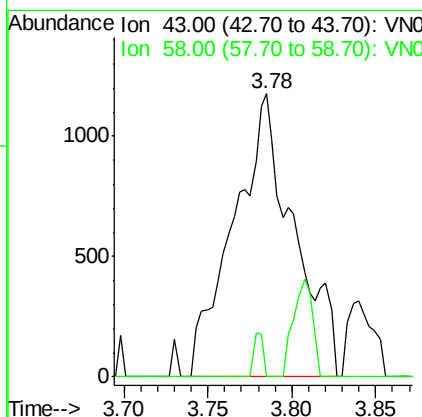
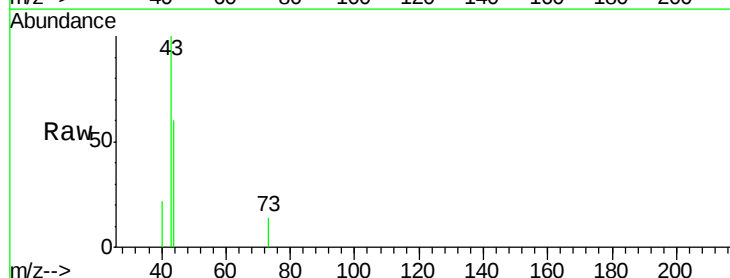
RT: 3.78 min Scan# 636

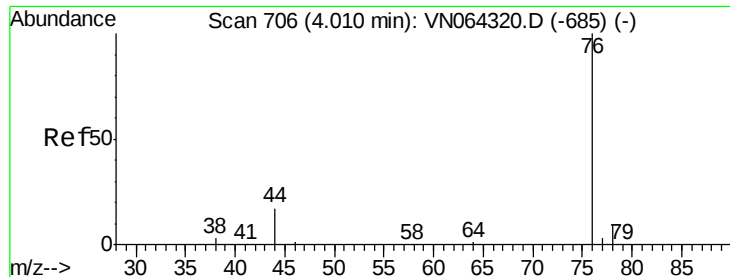
Delta R.T. 0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Tgt Ion:	43	Resp:	2930
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#





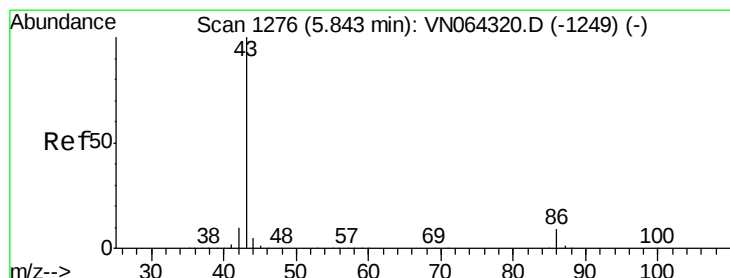
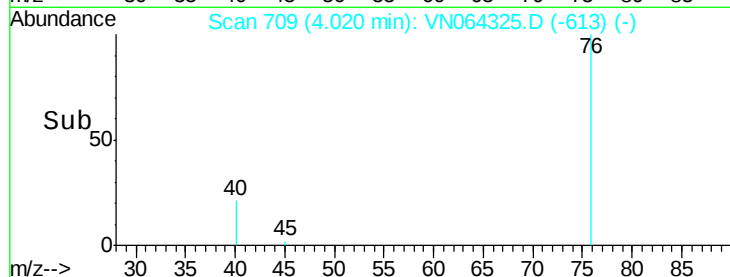
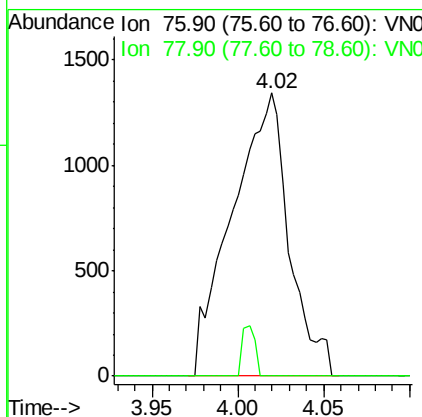
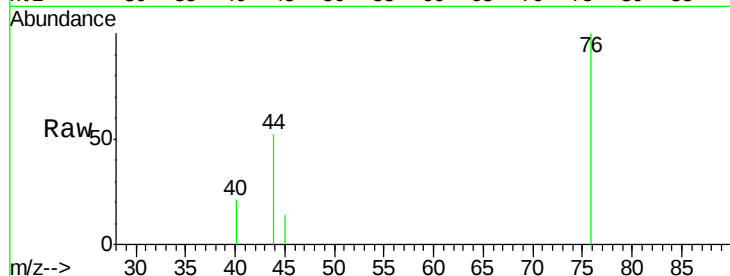
#17
Carbon Disulfide
Concen: 0.409 ug/l
RT: 4.02 min Scan# 709
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 3104
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

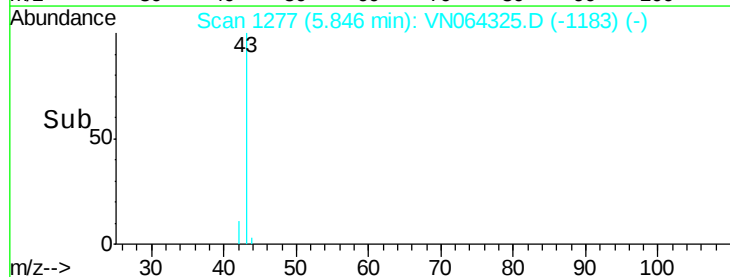
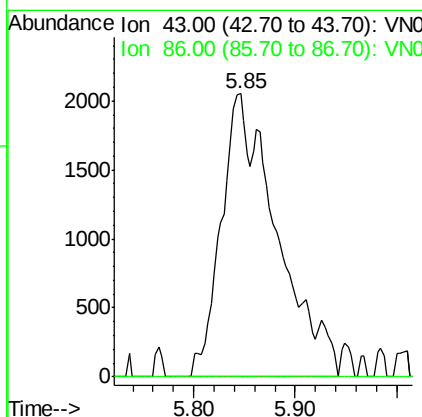
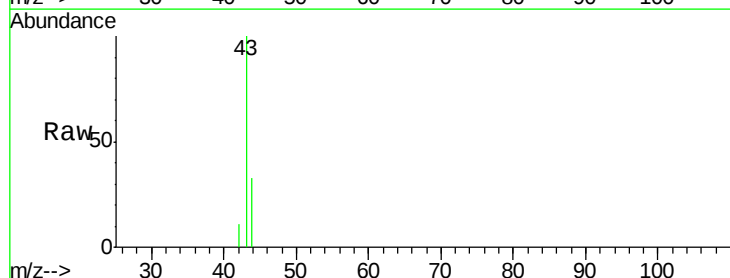
Manual Integrations
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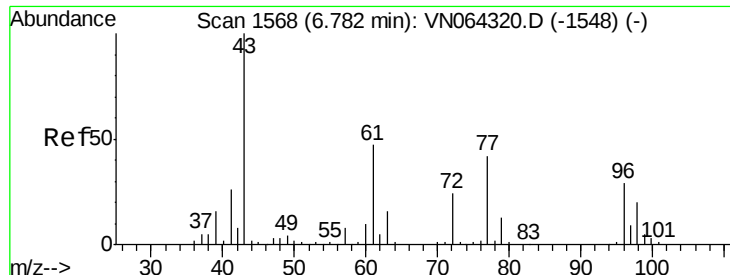
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#23
Vinyl Acetate
Concen: 0.904 ug/l m
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 43 Resp: 7825
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#





#25

2-Butanone

Concen: 0.624 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

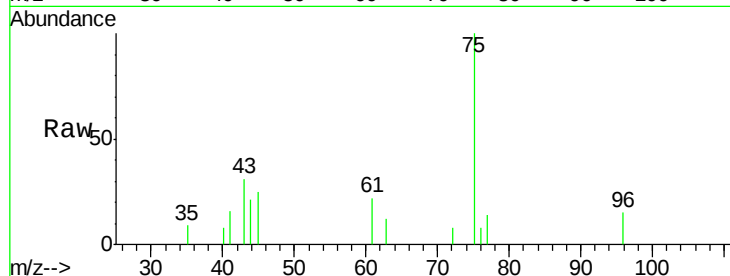
72 25.1 18.8 28.2

Manual Integrations

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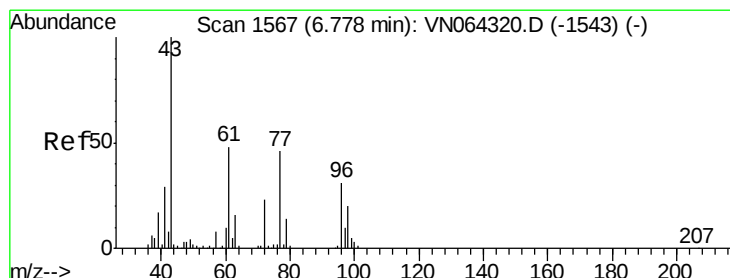
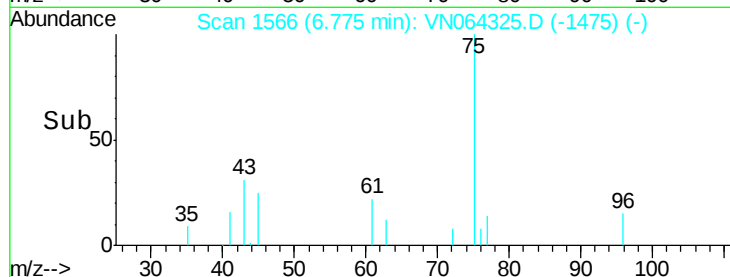
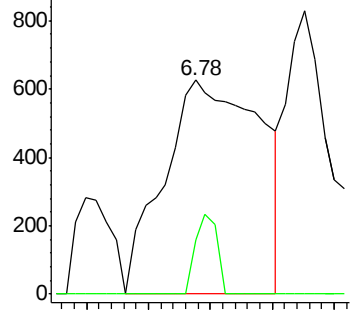
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.273 ug/l m

RT: 6.77 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

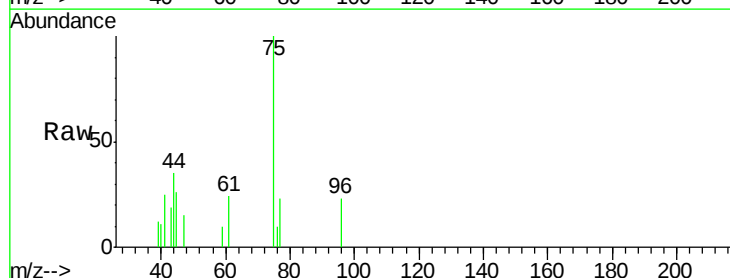
Tgt Ion: 96 Resp: 892

Ion Ratio Lower Upper

96 100

61 82.5 0.0 325.0

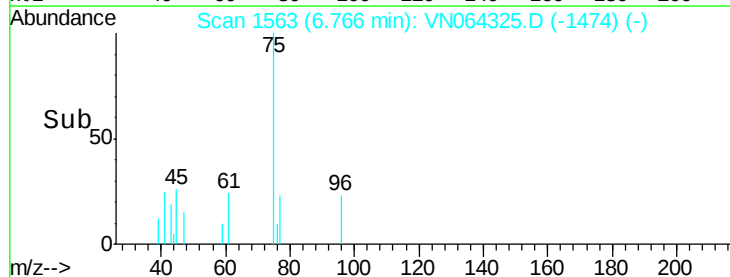
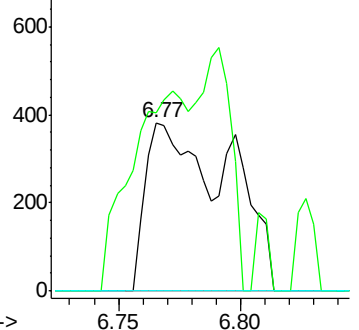
98 0.0 0.0 128.4

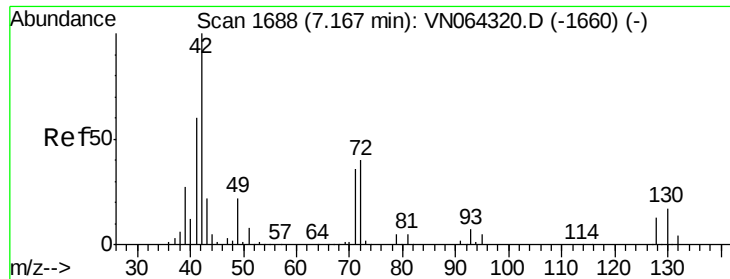


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





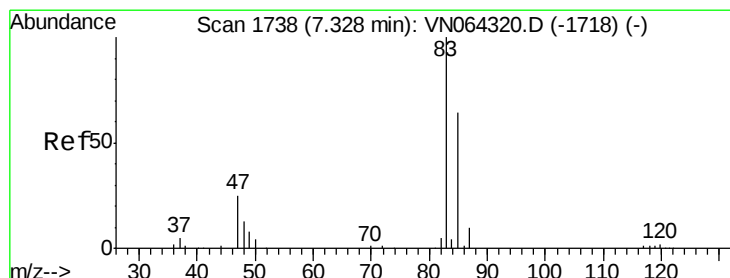
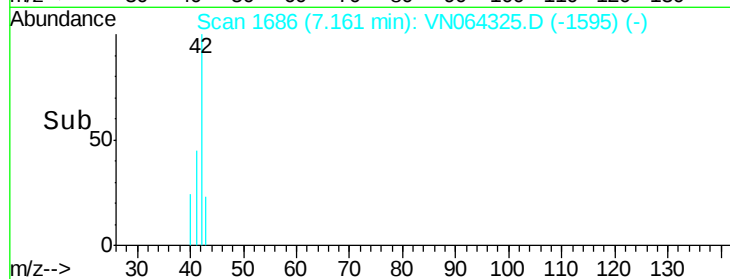
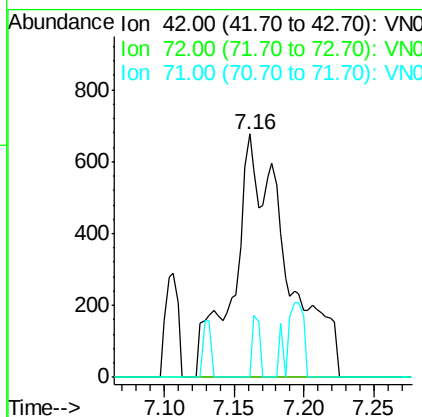
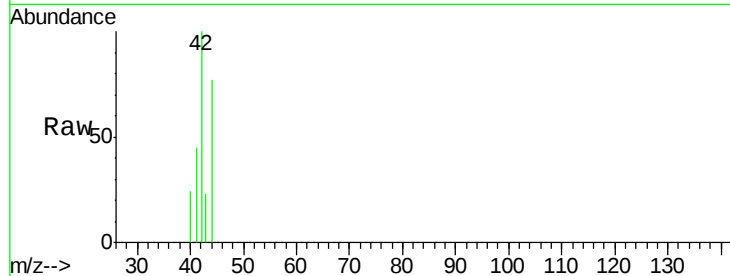
#29
Tetrahydrofuran
Concen: 1.272 ug/l m
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.6	47.4#
71	3.5	29.4	44.0#

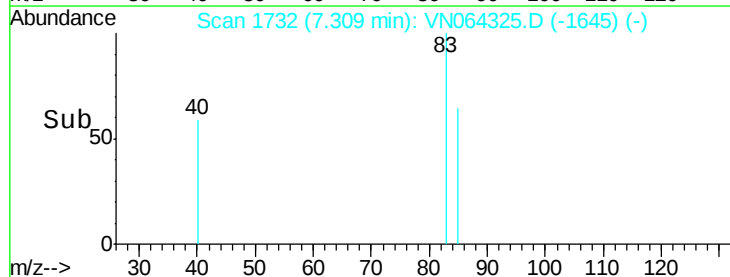
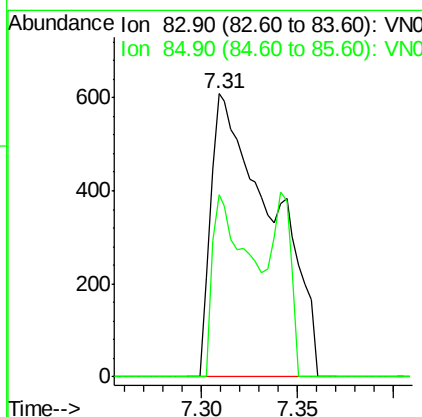
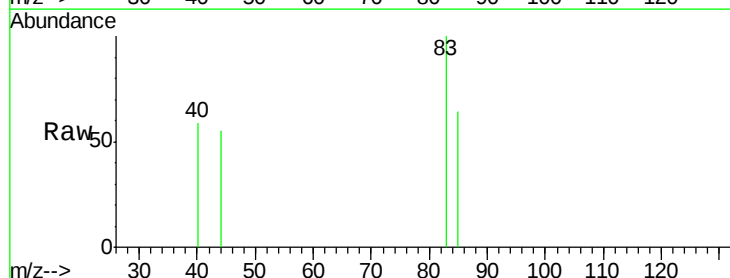
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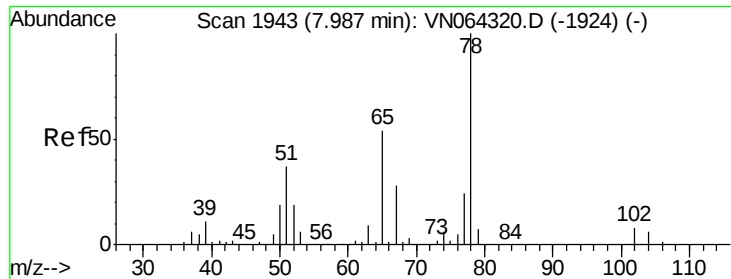
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#30
Chloroform
Concen: 0.219 ug/l m
RT: 7.31 min Scan# 1732
Delta R.T. -0.02 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





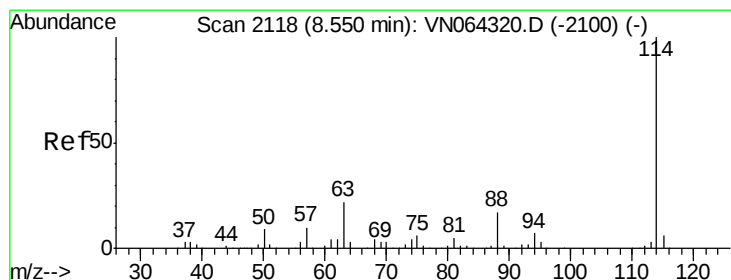
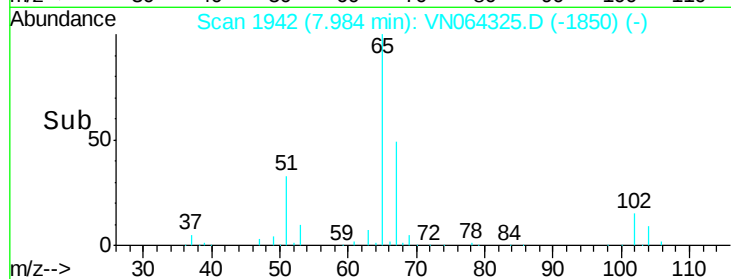
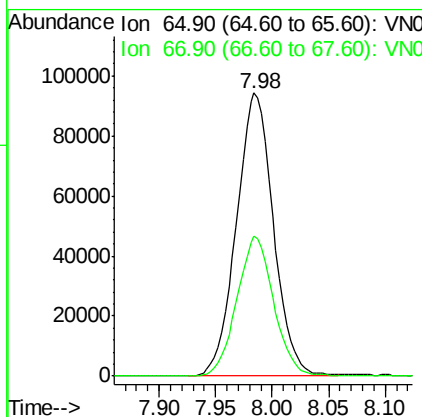
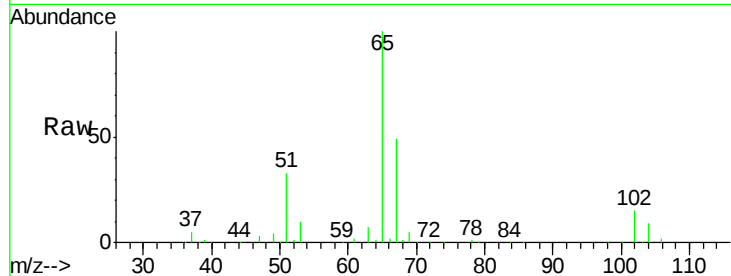
#33
 1,2-Dichloroethane-d4
 Concen: 49.877 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215101		
67	49.0	0.0	99.2	

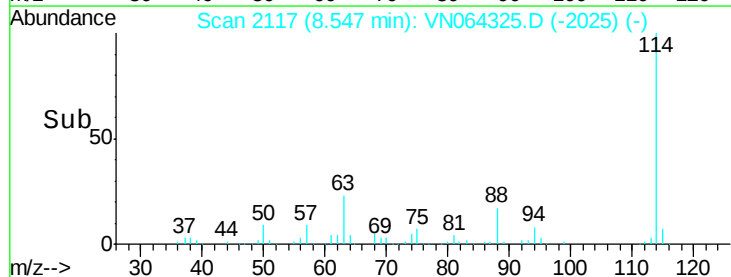
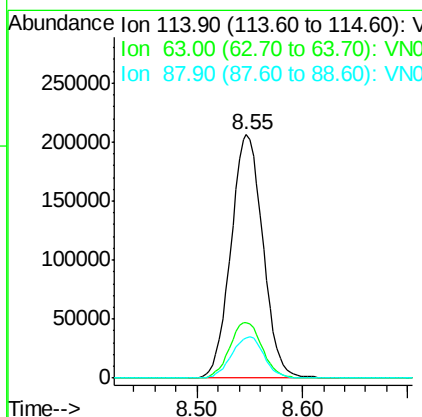
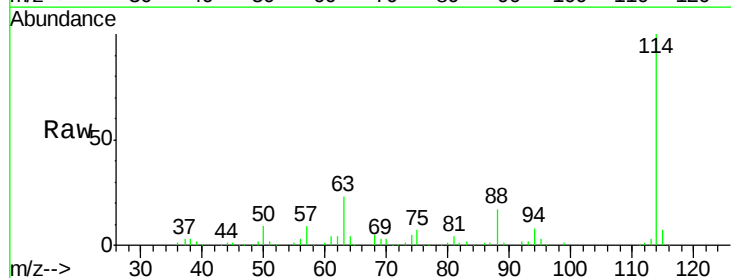
Manual Integrations
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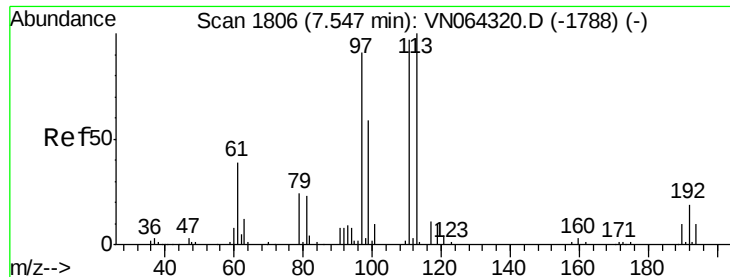
MMDadoda
 10/28/2020 12:35:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	433295		
63	22.9	0.0	44.6	
88	16.7	0.0	33.4	





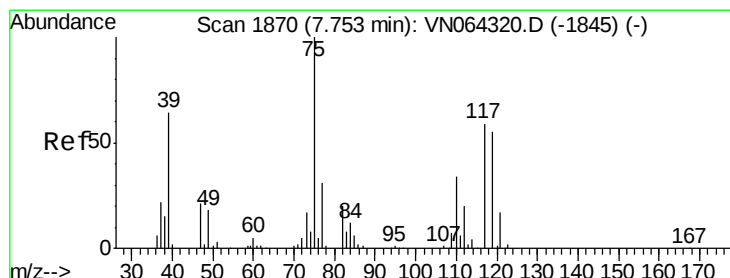
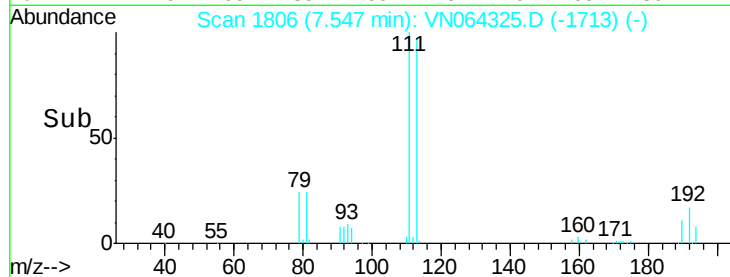
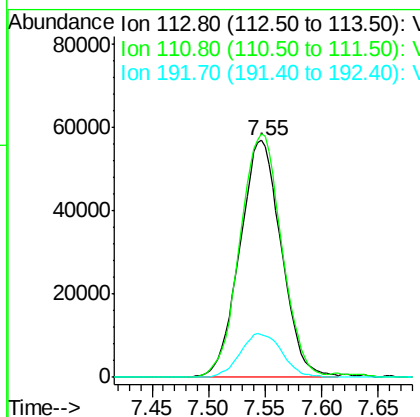
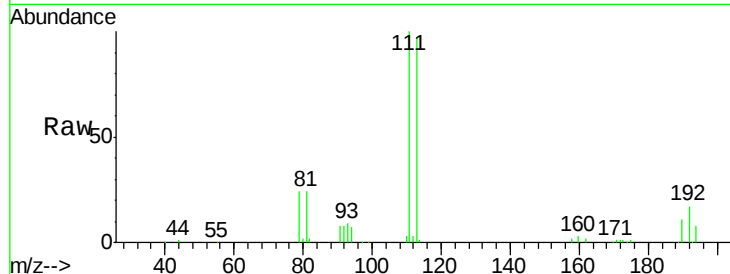
#35
 Dibromofluoromethane
 Concen: 50.249 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	81.5	122.3	
192	18.8	15.0	22.4	

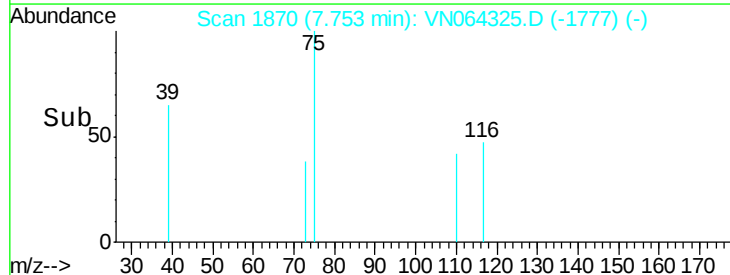
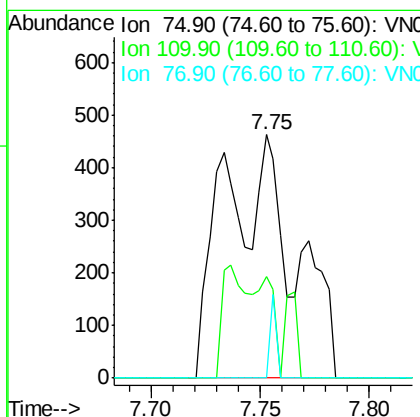
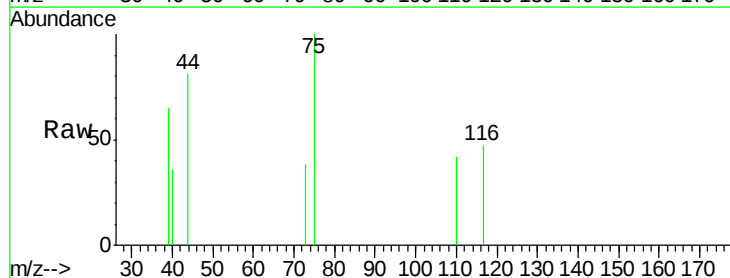
Manual Integrations
 APPROVED

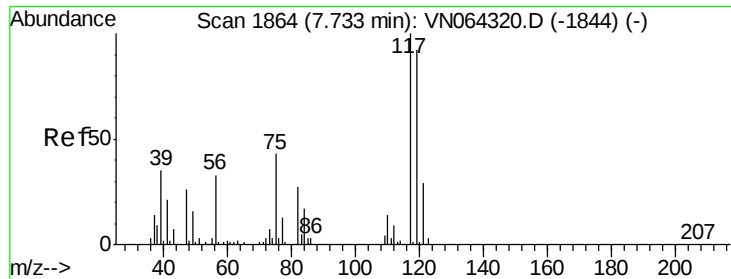
MMDadoda
 10/28/2020 12:35:52 PM



#36
 1,1-Dichloropropene
 Concen: 0.234 ug/l m
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	59.1	16.8	50.3#	
77	0.0	24.2	36.4#	





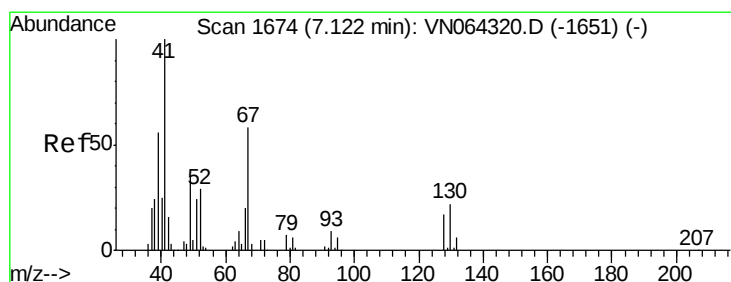
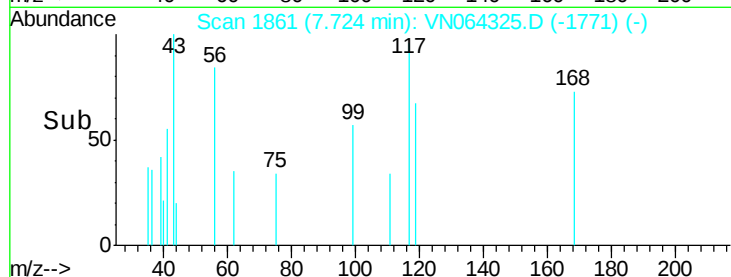
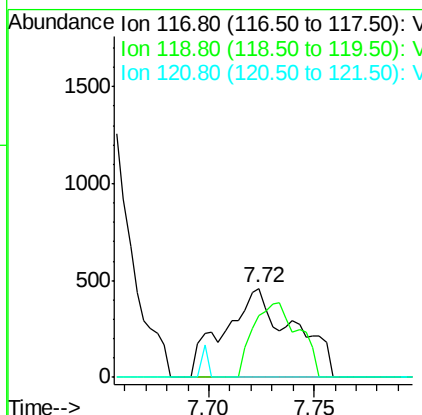
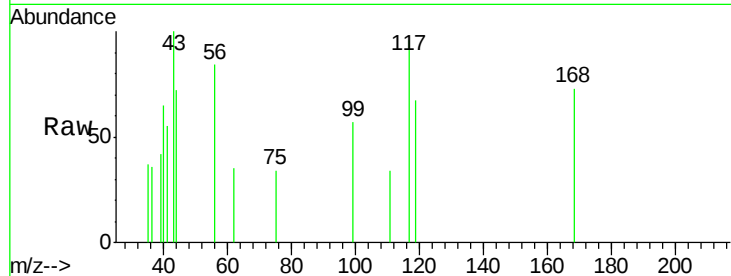
#38
Carbon Tetrachloride
Concen: 0.205 ug/l m
RT: 7.72 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:117 Resp: 1037
Ion Ratio Lower Upper
117 100
119 70.0 73.7 110.5#
121 0.0 22.8 34.2#

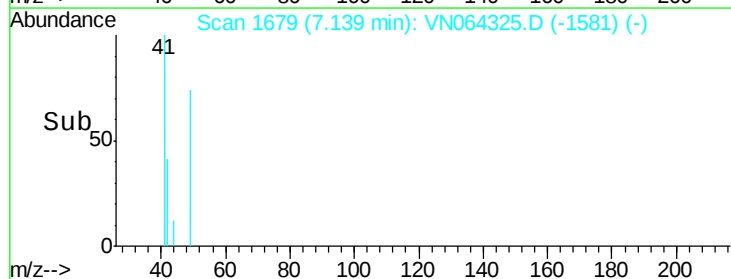
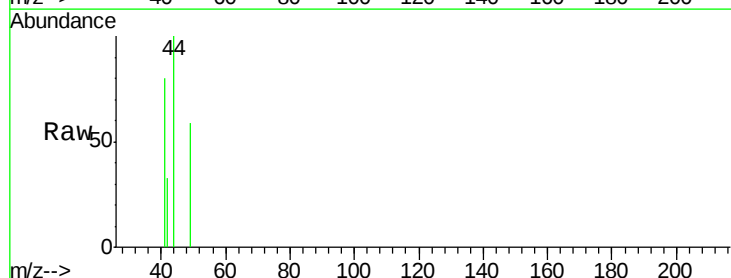
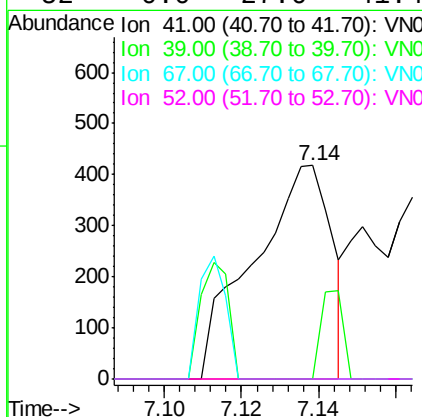
Manual Integrations
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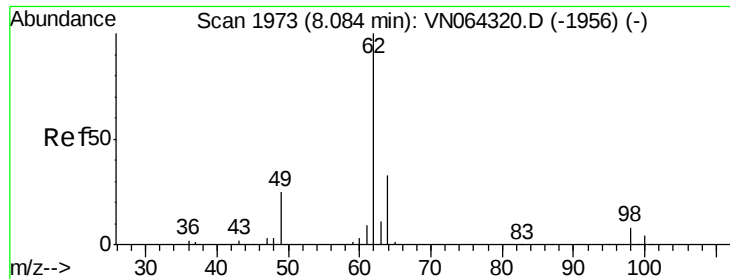
MMDadoda
10/28/2020 12:35:52 PM



#41
Methacrylonitrile
Concen: 0.267 ug/l
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 41 Resp: 586
Ion Ratio Lower Upper
41 100
39 11.3 48.6 72.8#
67 0.0 61.4 92.2#
52 0.0 27.6 41.4#





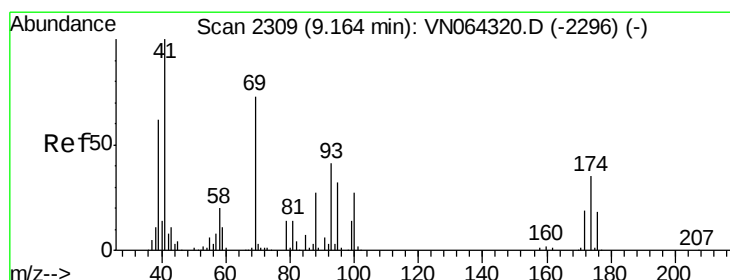
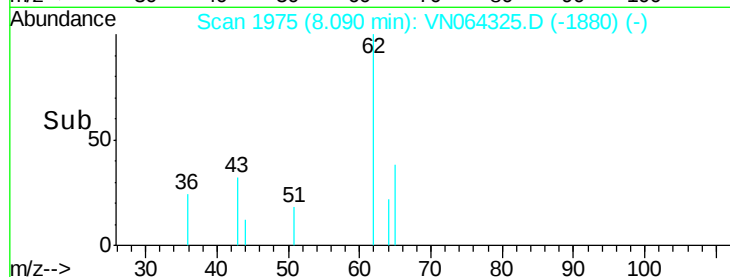
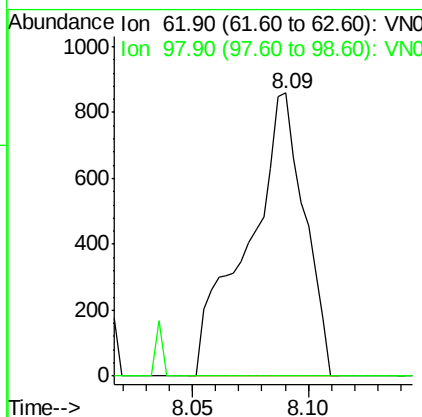
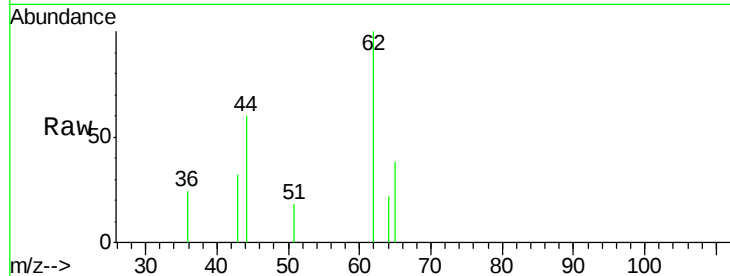
#42
1,2-Dichloroethane
Concen: 0.277 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	14.2

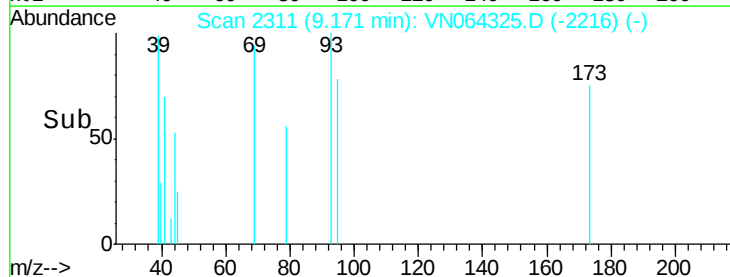
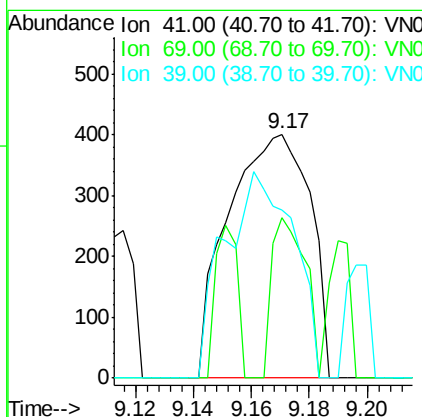
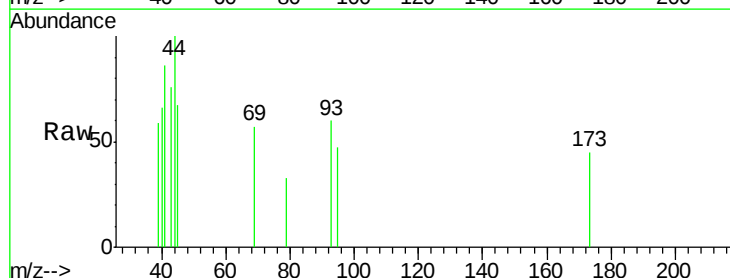
Manual Integrations
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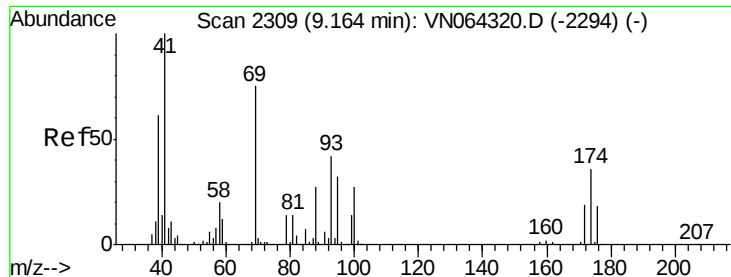
MMDadoda
10/28/2020 12:35:52 PM



#48
Methyl methacrylate
Concen: 0.202 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	27.3	59.1	88.7#
39	72.0	51.3	76.9





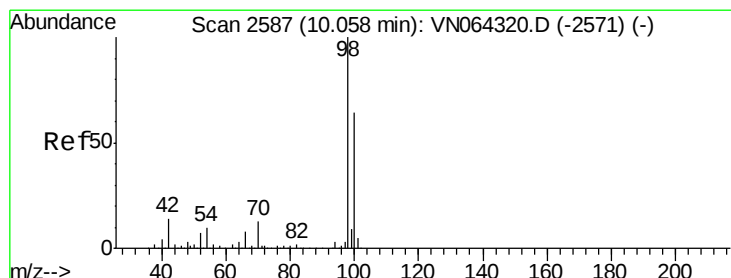
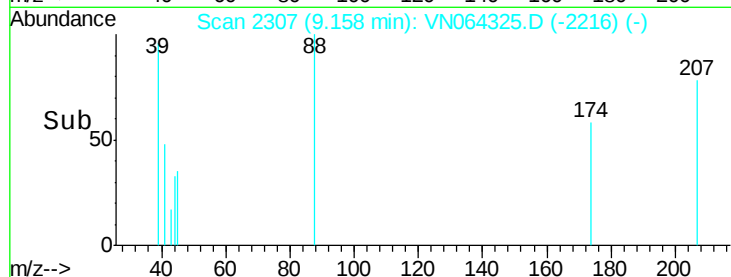
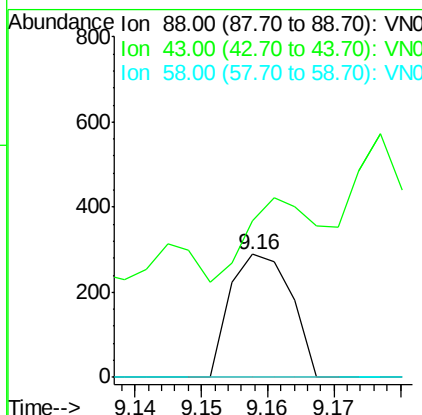
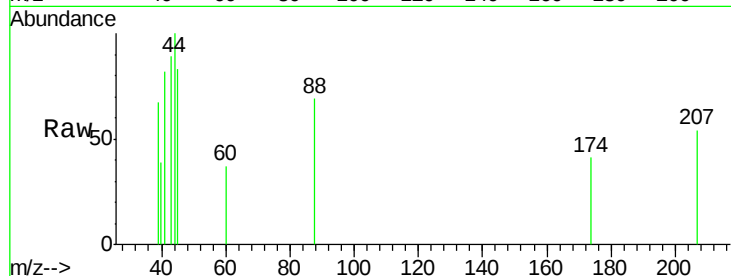
#49
 1,4-Dioxane
 Concen: 3.239 ug/l
 RT: 9.16 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	86.6	31.8	47.8#
58	0.0	60.3	90.5#

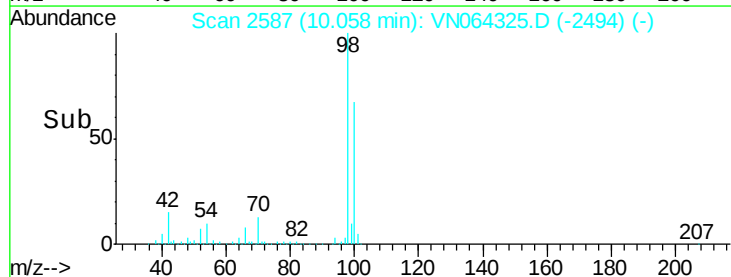
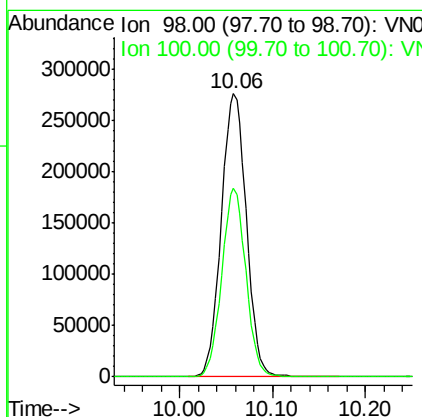
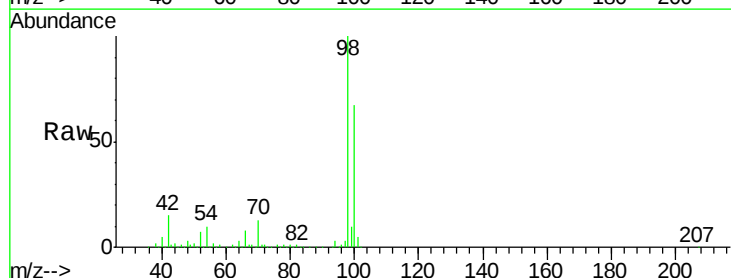
Manual Integrations
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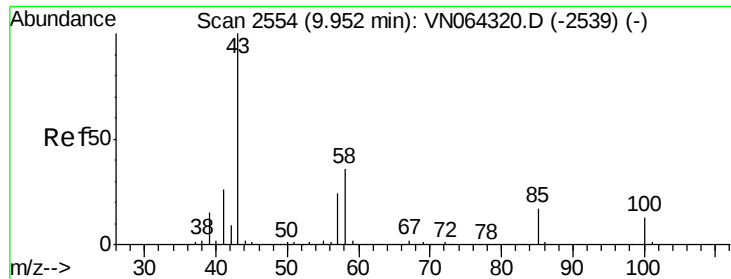
MMDadoda
 10/28/2020 12:35:52 PM



#50
 Toluene-d8
 Concen: 48.476 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 0.839 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 3684

Ion Ratio Lower Upper

43 100

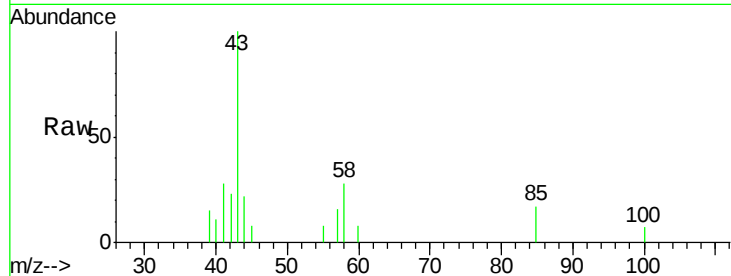
58 30.7 28.6 42.8

Manual Integrations

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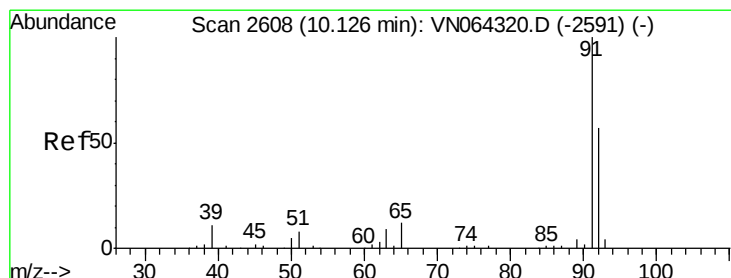
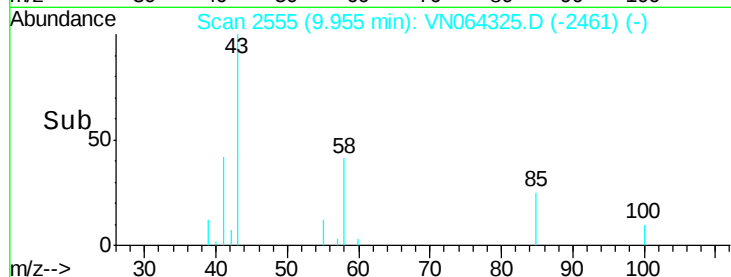
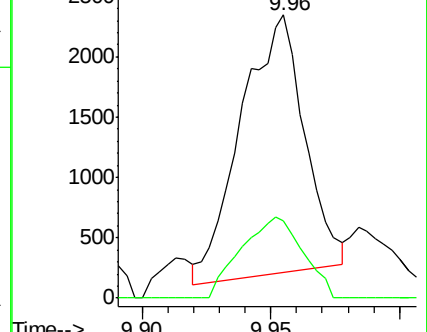
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)



#52

Toluene

Concen: 0.210 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VN064325.D

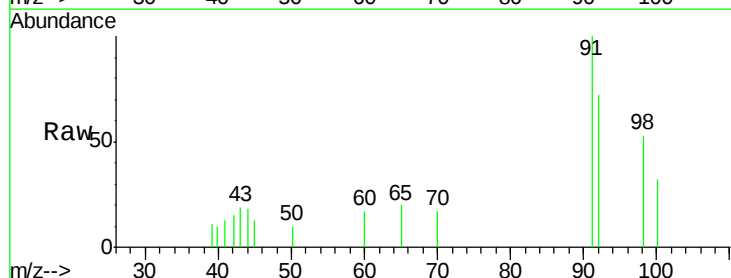
Acq: 27 Oct 2020 14:53

Tgt Ion: 92 Resp: 1613

Ion Ratio Lower Upper

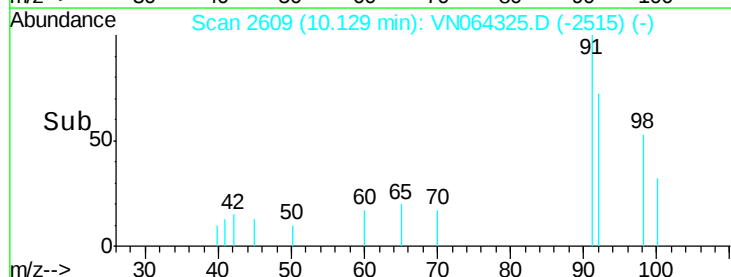
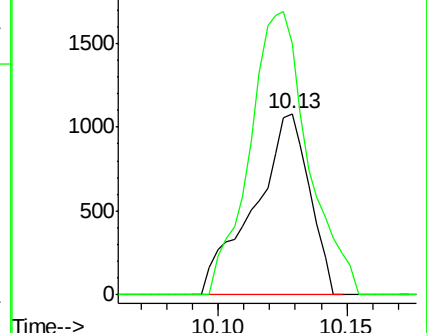
92 100

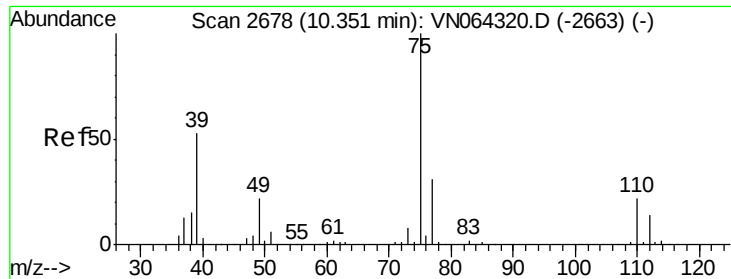
91 166.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN064320.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064320.D (-2591) (-)





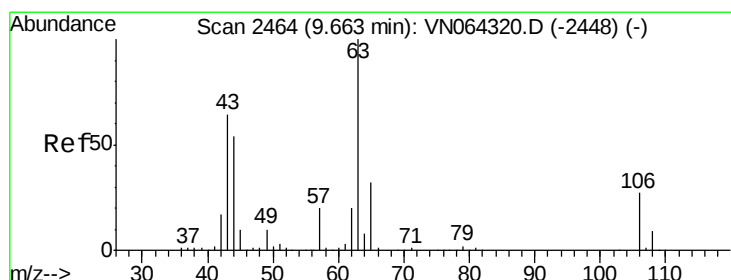
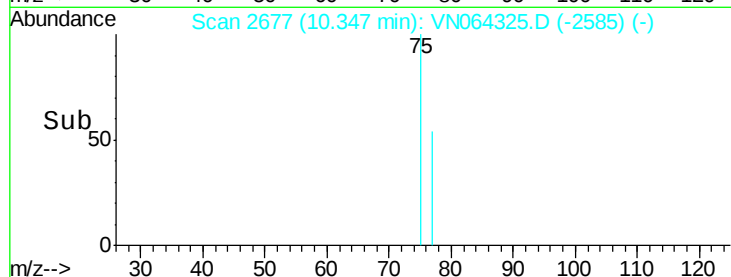
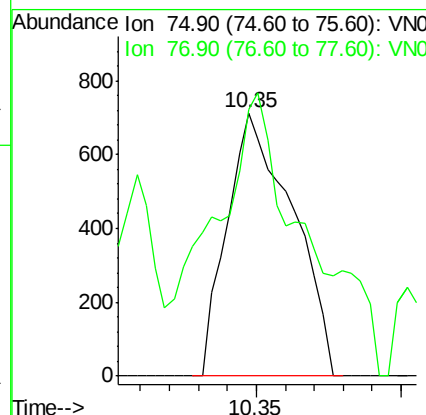
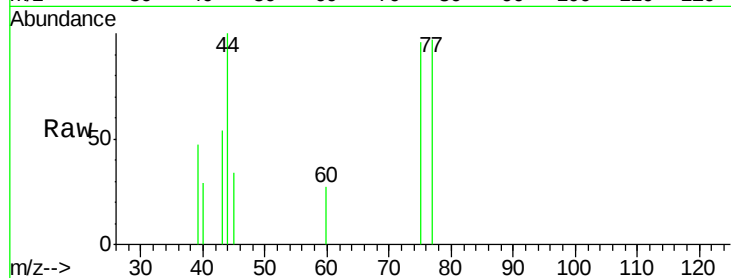
#53
t-1,3-Dichloropropene
Concen: 0.209 ug/l
RT: 10.35 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 75 Resp: 1118
Ion Ratio Lower Upper
75 100
77 61.3 24.8 37.2#

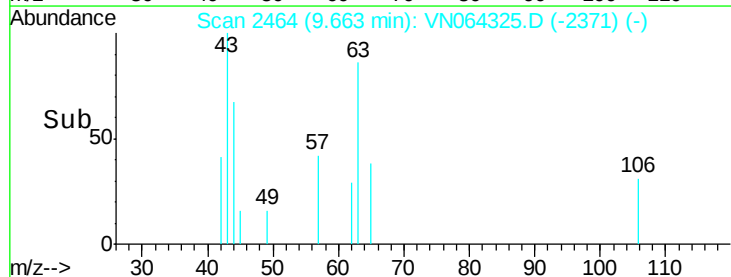
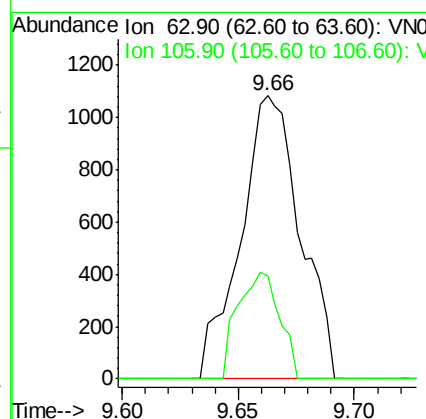
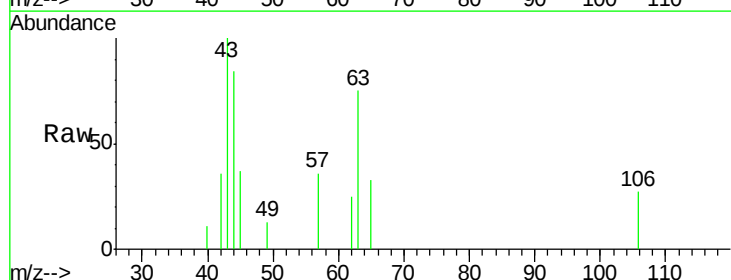
Manual Integrations
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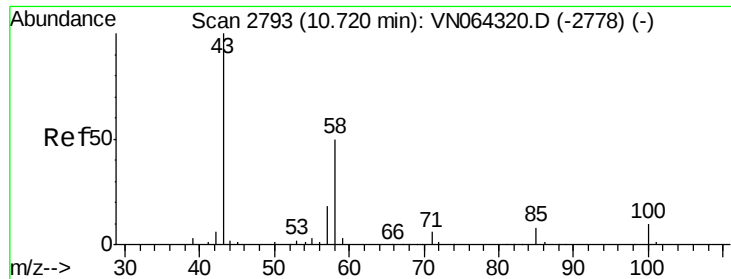
MMDadoda
10/28/2020 12:35:52 PM



#58
2-Chloroethyl Vinyl ether
Concen: 0.775 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 63 Resp: 1942
Ion Ratio Lower Upper
63 100
106 26.3 21.0 31.4





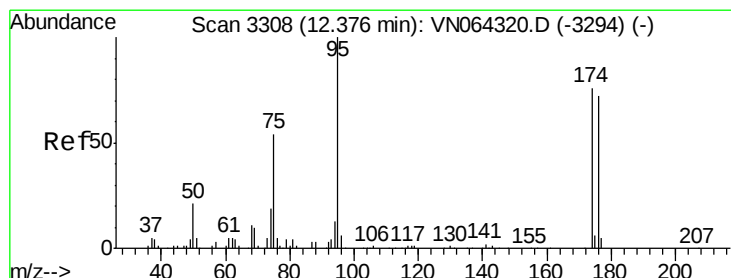
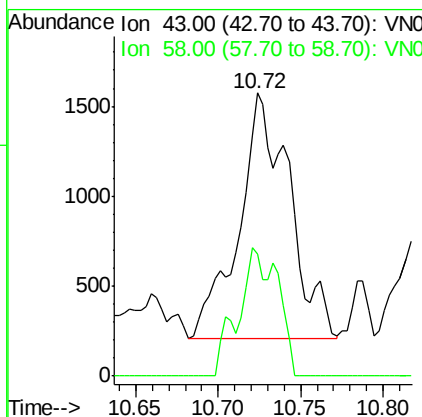
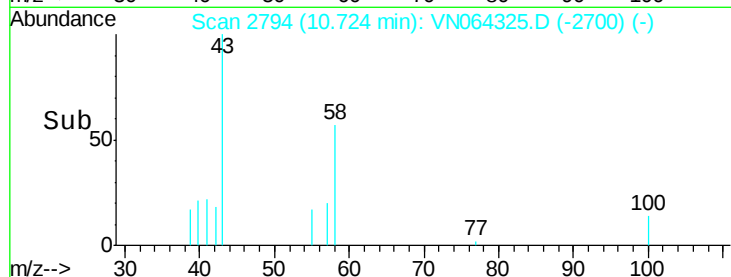
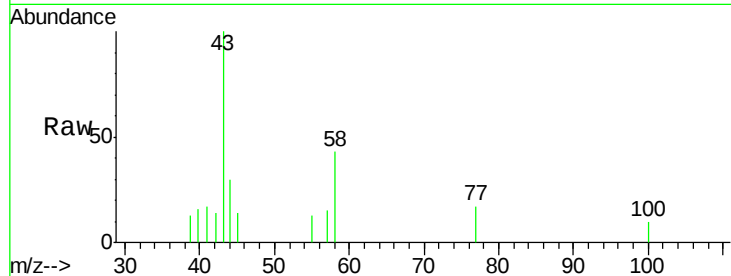
#59
2-Hexanone
Concen: 0.899 ug/l m
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
58 28.9 25.0 75.0

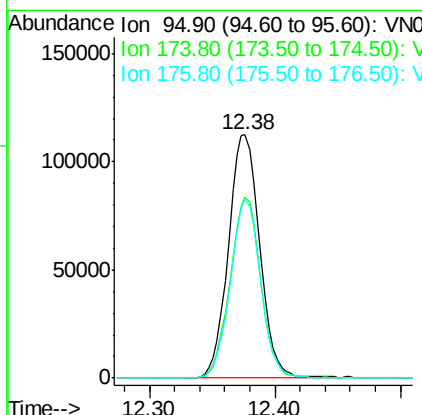
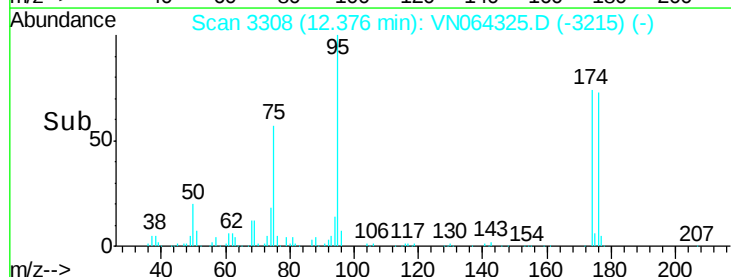
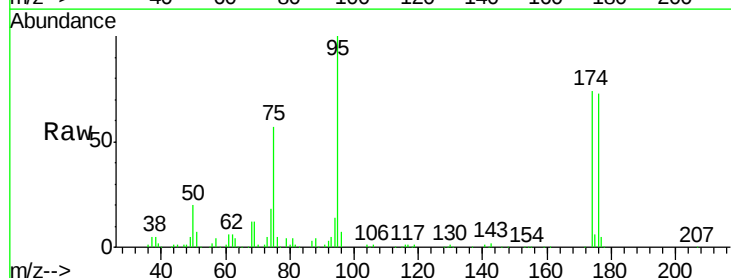
Manual Integrations
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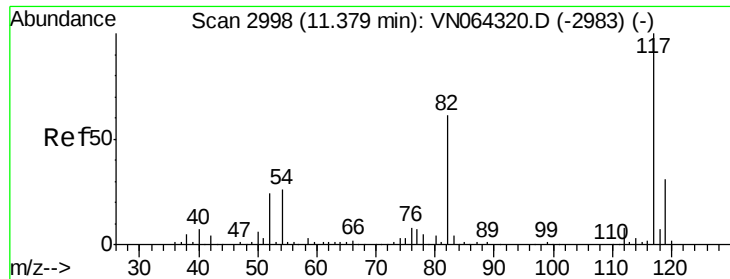
MMDadoda
10/28/2020 12:35:52 PM



#62
4-Bromofluorobenzene
Concen: 46.787 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion: 95 Resp: 194969
Ion Ratio Lower Upper
95 100
174 72.6 0.0 147.4
176 70.8 0.0 143.6





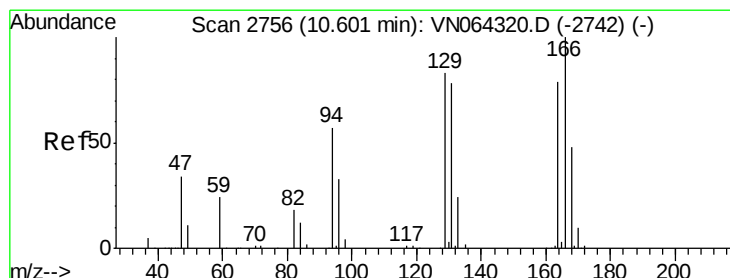
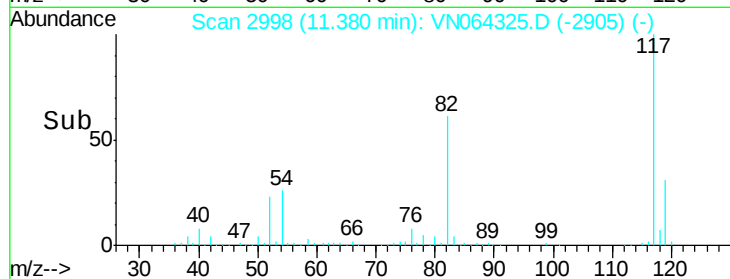
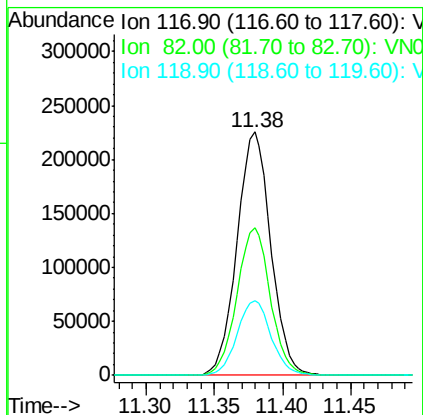
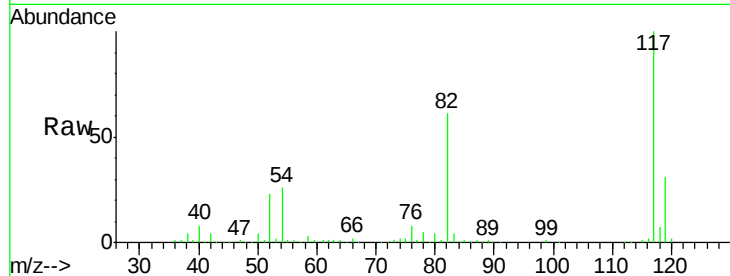
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	48.8	73.2
119	30.8	25.1	37.7

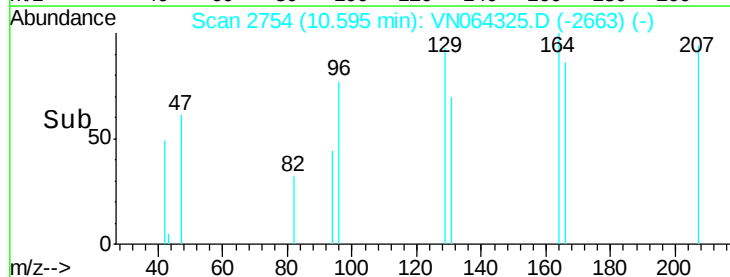
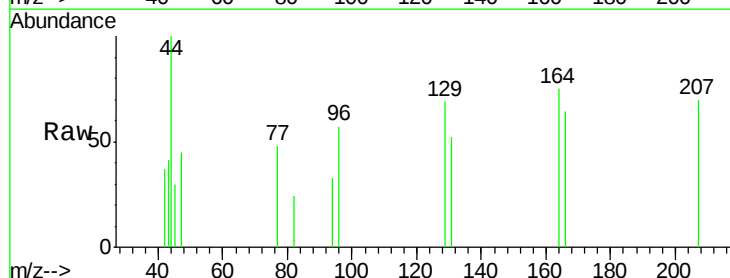
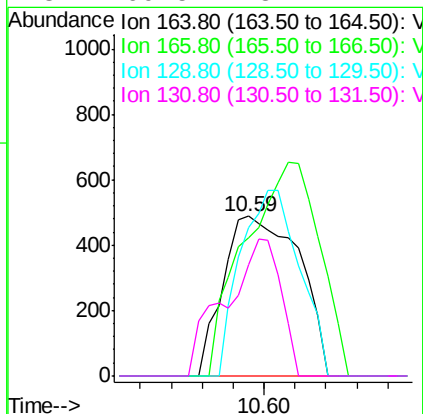
Manual Integrations
APPROVED

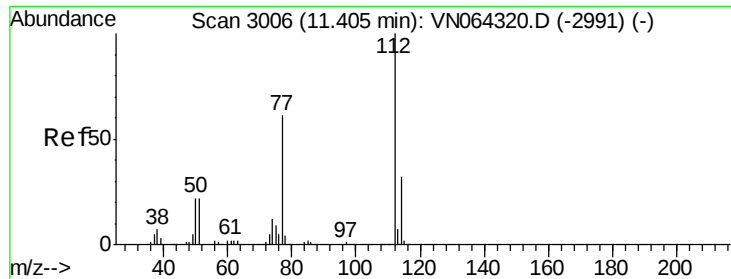
MMDadoda
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#64
Tetrachloroethene
Concen: 0.262 ug/l
RT: 10.59 min Scan# 2754
Delta R.T. -0.01 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	86.1	100.7	151.1#
129	92.8	83.7	125.5
131	69.5	78.2	117.2#





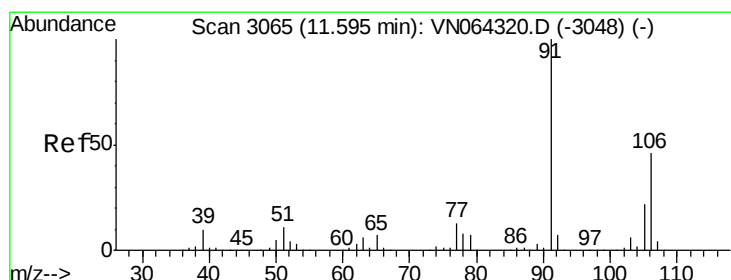
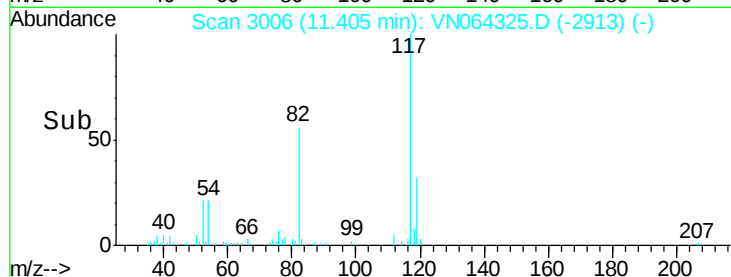
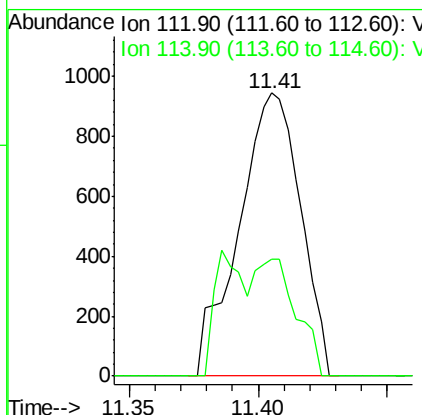
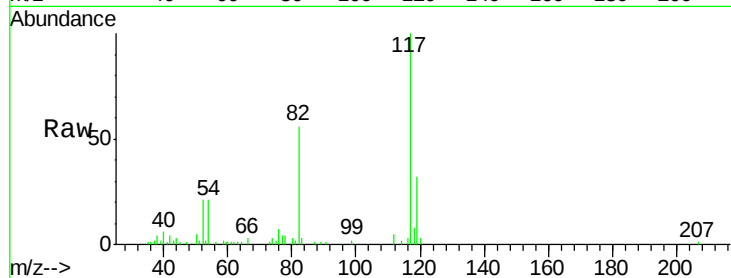
#65
Chlorobenzene
Concen: 0.200 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:112 Resp: 1576
Ion Ratio Lower Upper
112 100
114 41.3 25.4 38.0#

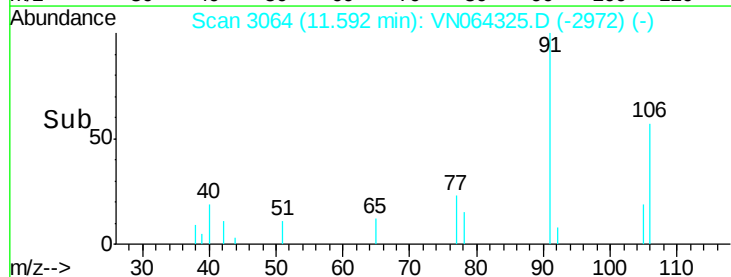
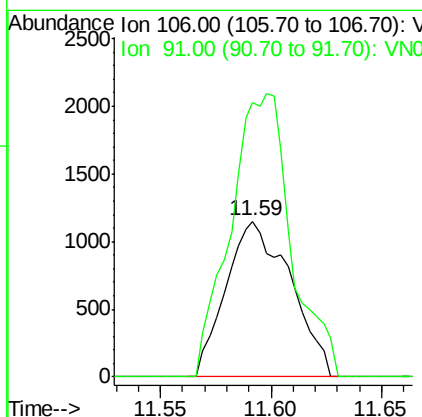
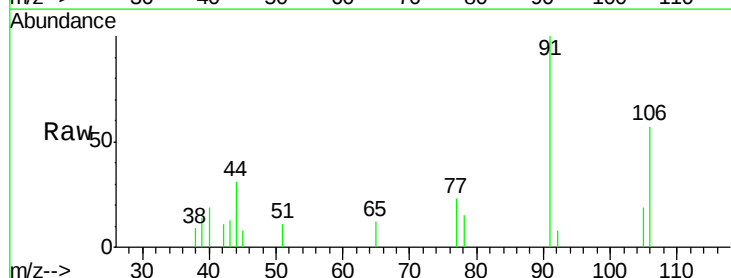
Manual Integrations
APPROVED

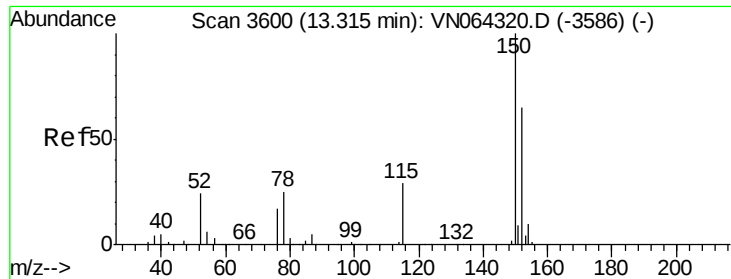
MMDadoda
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#68
m/p-Xylenes
Concen: 0.430 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064325.D
Acq: 27 Oct 2020 14:53

Tgt Ion:106 Resp: 2335
Ion Ratio Lower Upper
106 100
91 171.5 170.2 255.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:152 Resp: 166690

Ion Ratio Lower Upper

152 100

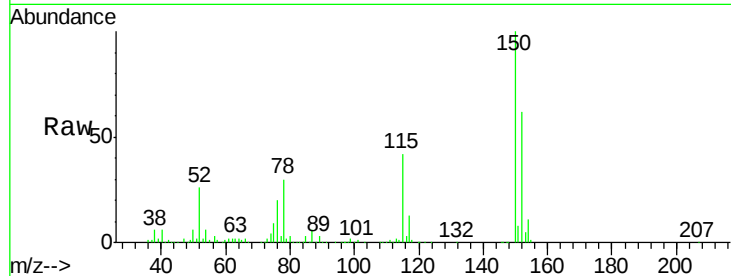
115 68.0 31.5 94.5

150 158.8 0.0 346.2

Manual Integrations
APPROVED

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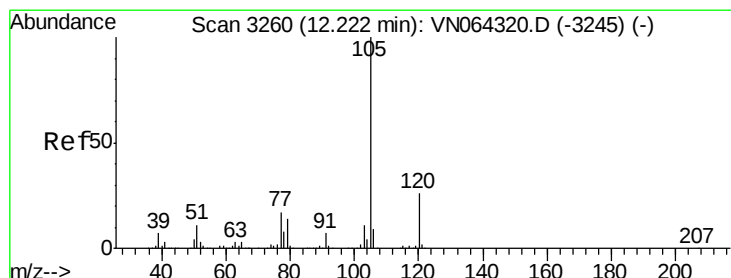
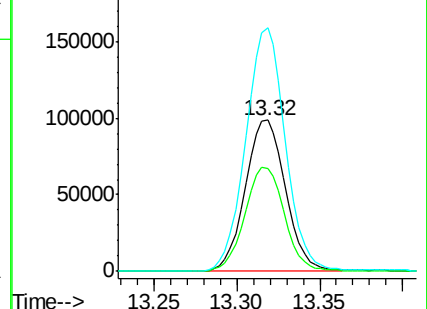
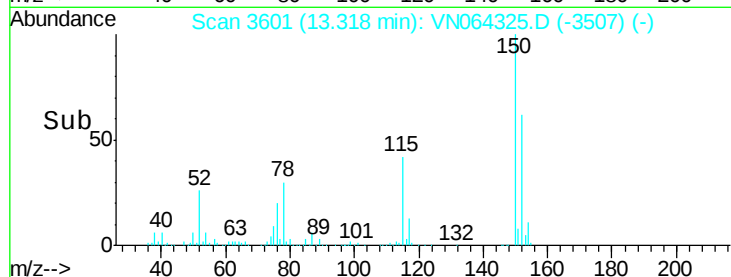
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.224 ug/l

RT: 12.22 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN064325.D

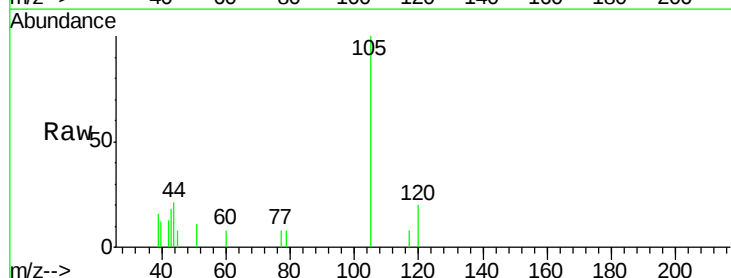
Acq: 27 Oct 2020 14:53

Tgt Ion:105 Resp: 2794

Ion Ratio Lower Upper

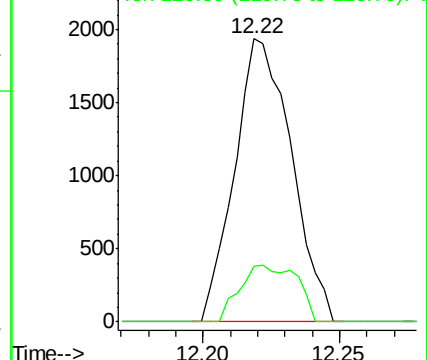
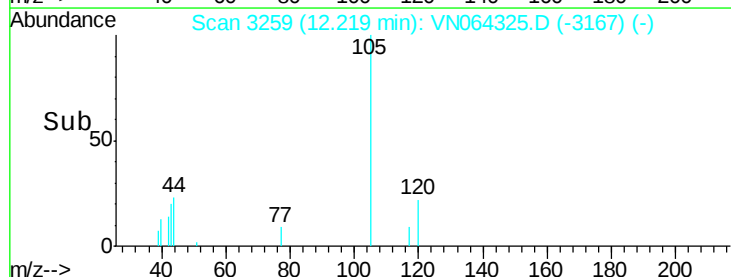
105 100

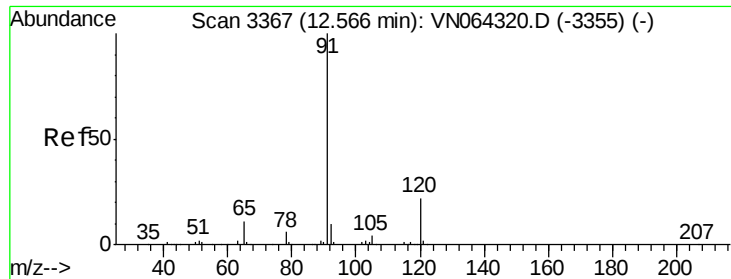
120 20.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.213 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 3005

Ion Ratio Lower Upper

91 100

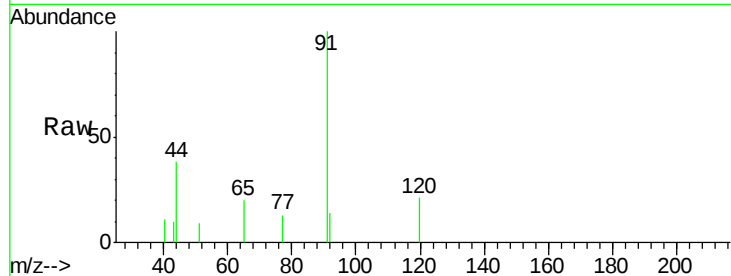
120 14.4 11.2 33.5

Manual Integrations

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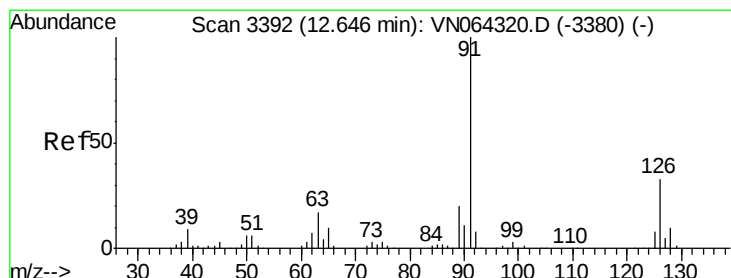
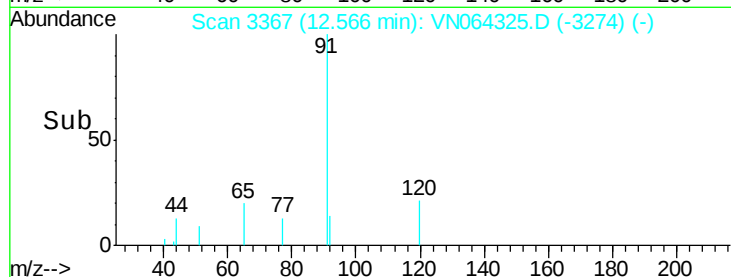
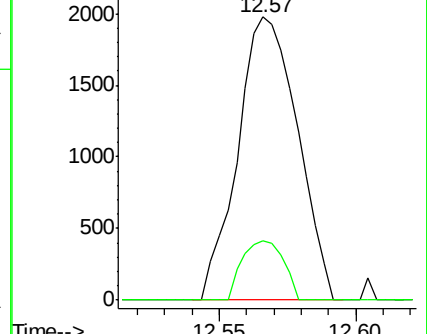
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.236 ug/l

RT: 12.65 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN064325.D

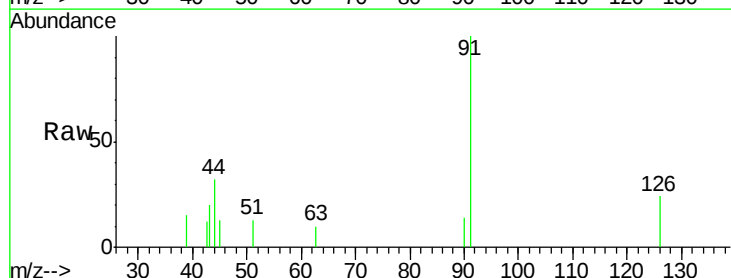
Acq: 27 Oct 2020 14:53

Tgt Ion: 91 Resp: 2135

Ion Ratio Lower Upper

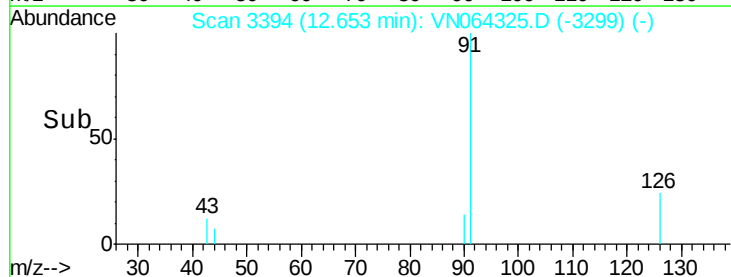
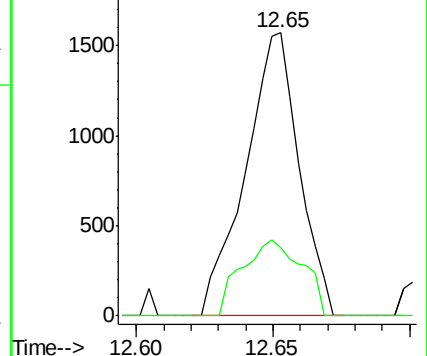
91 100

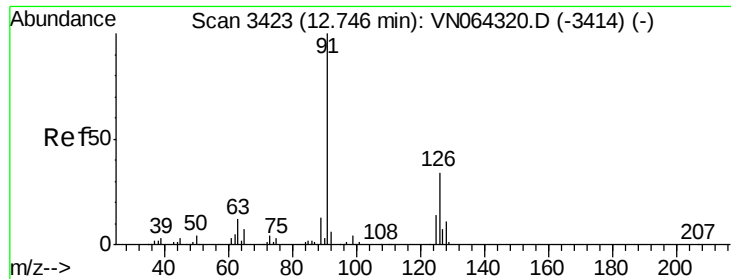
126 30.4 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#82

4-Chlorotoluene

Concen: 0.237 ug/l

RT: 12.75 min Scan# 3425

Delta R.T. 0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 2186

Ion Ratio Lower Upper

91 100

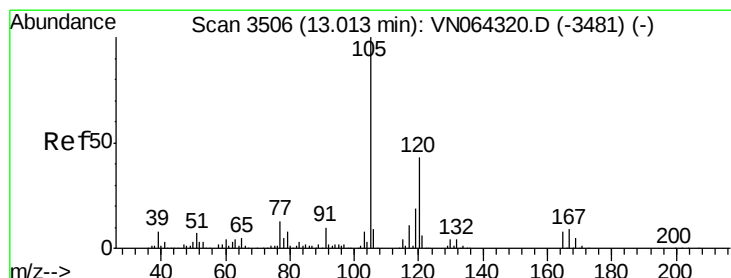
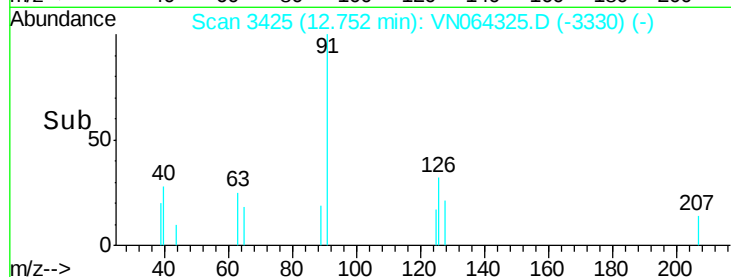
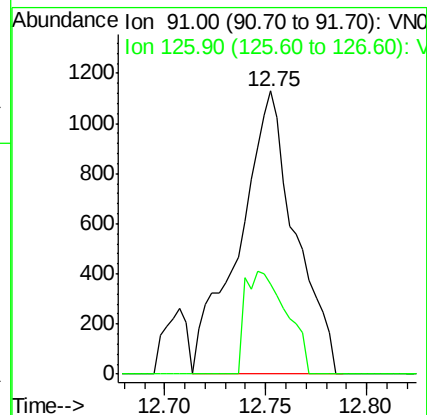
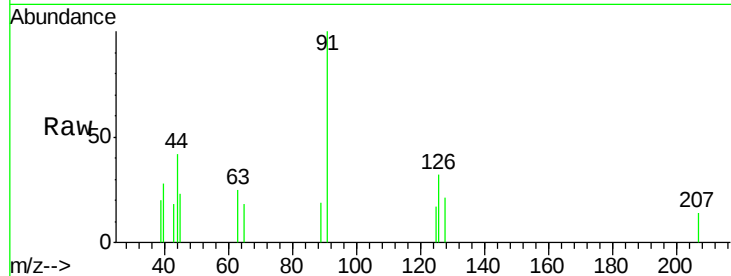
126 26.9 15.8 47.3

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 0.212 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064325.D

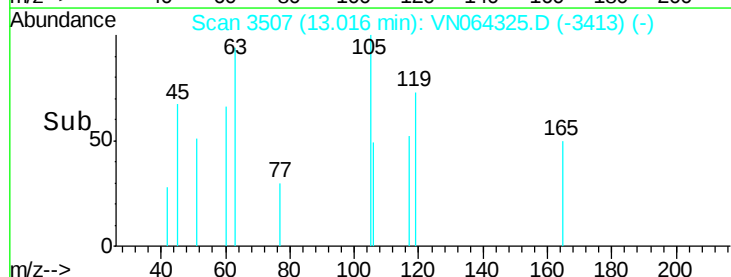
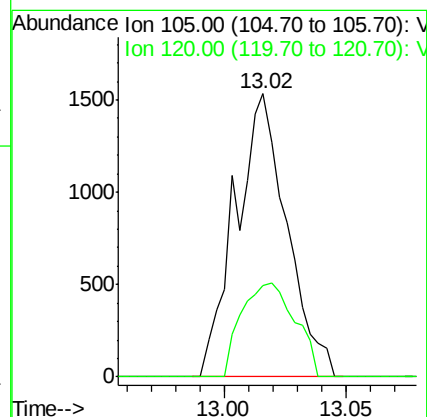
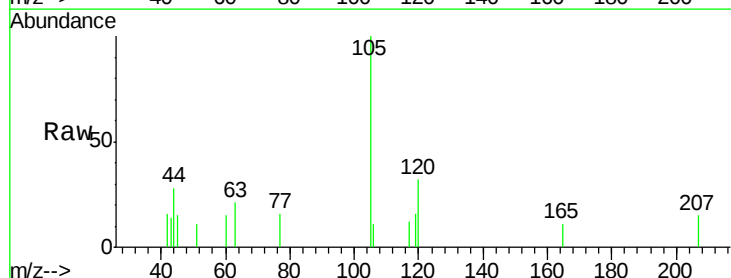
Acq: 27 Oct 2020 14:53

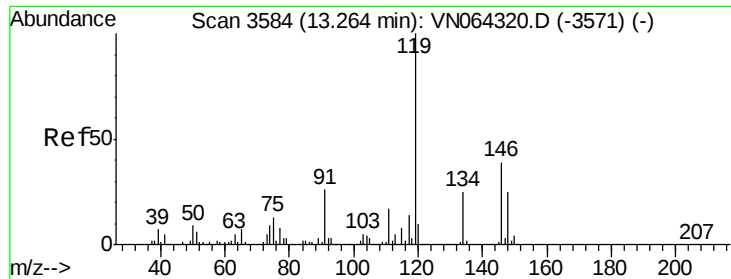
Tgt Ion: 105 Resp: 2240

Ion Ratio Lower Upper

105 100

120 34.7 21.3 64.0





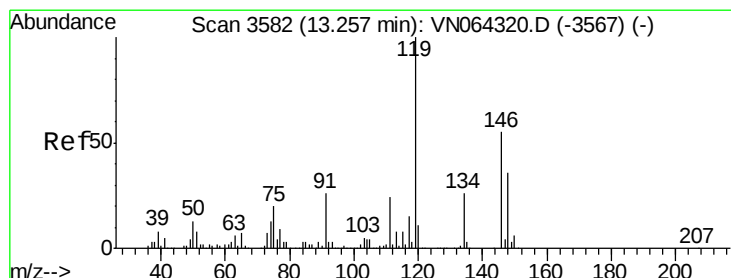
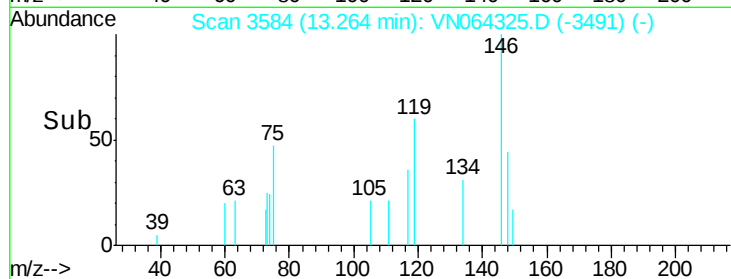
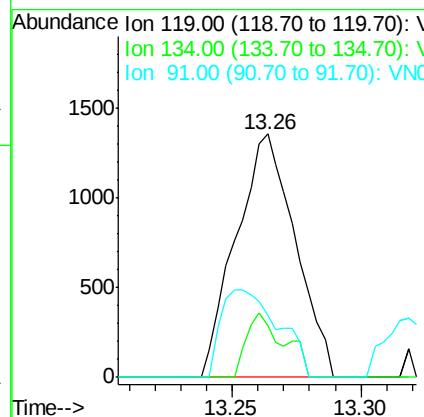
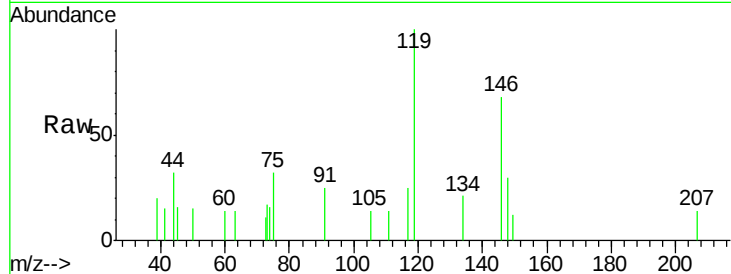
#86
 p-Isopropyltoluene
 Concen: 0.214 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
134	16.6	12.8	38.4
91	34.9	13.0	38.9

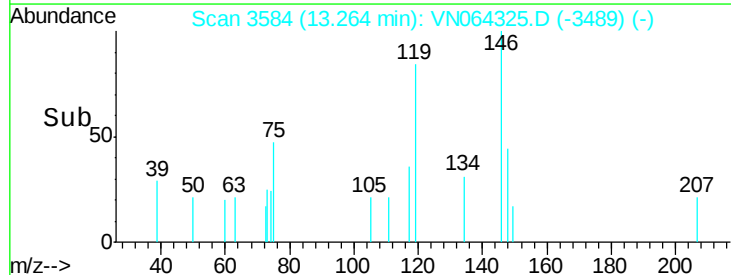
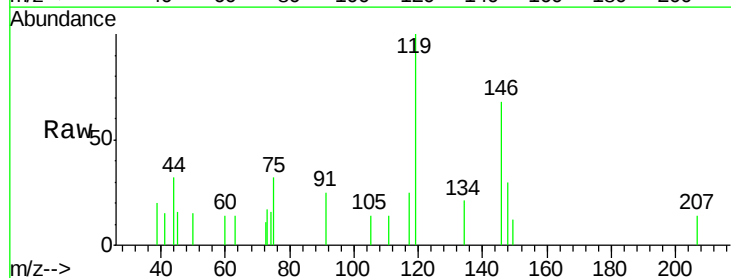
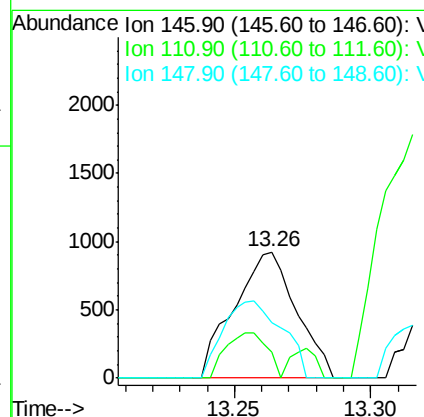
Manual Integrations
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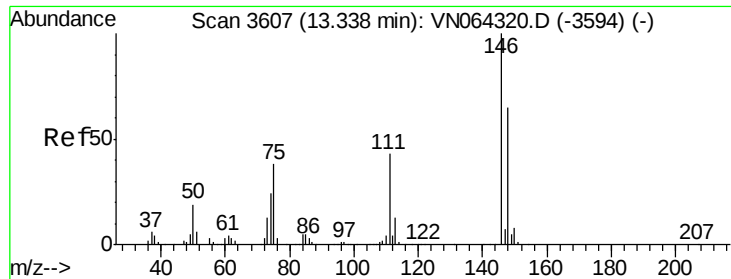
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 0.272 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.01 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	24.0	21.9	65.5
148	58.1	32.6	98.0





#88

1,4-Dichlorobenzene

Concen: 0.297 ug/l m

RT: 13.33 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

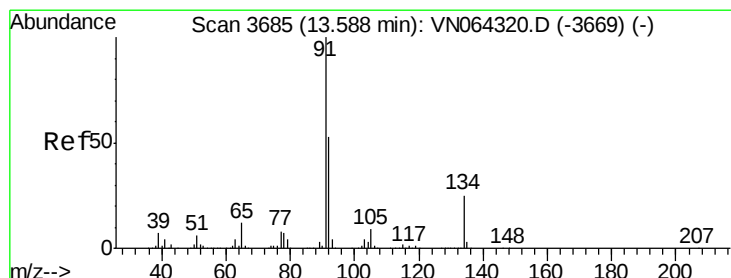
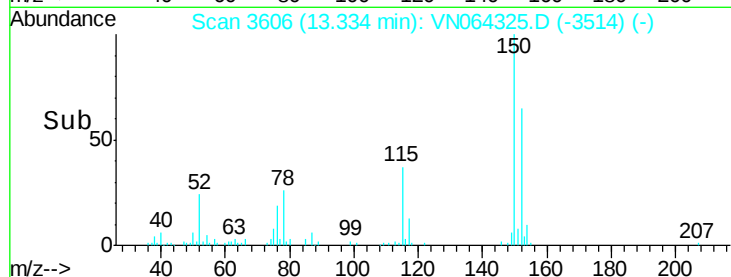
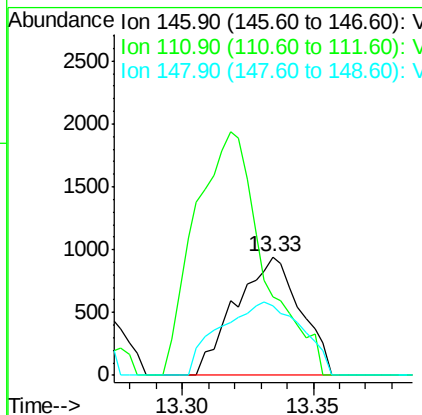
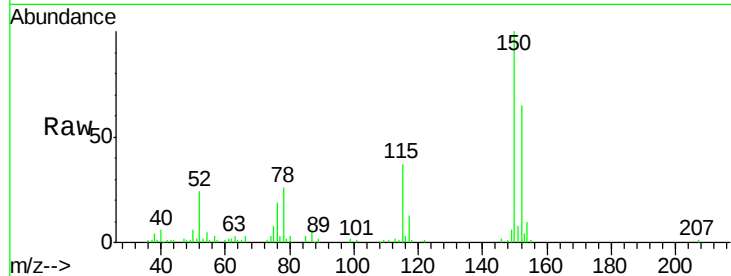
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	146	Resp:	1619
Ion Ratio	Lower	Upper	
146	100		
111	21.6	21.8	65.4#
148	52.3	31.8	95.3

Manual Integrations
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#89

n-Butylbenzene

Concen: 0.221 ug/l

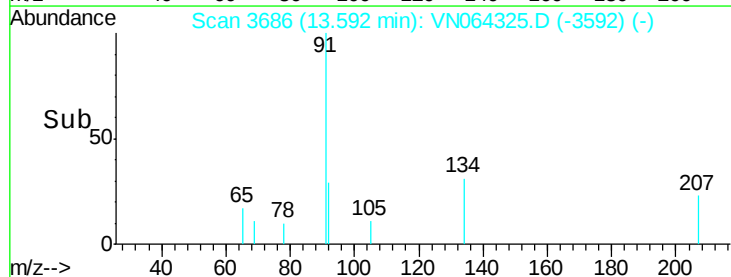
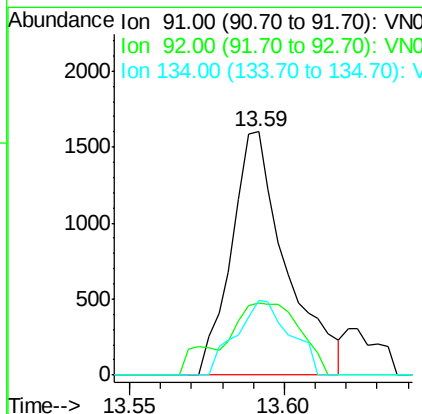
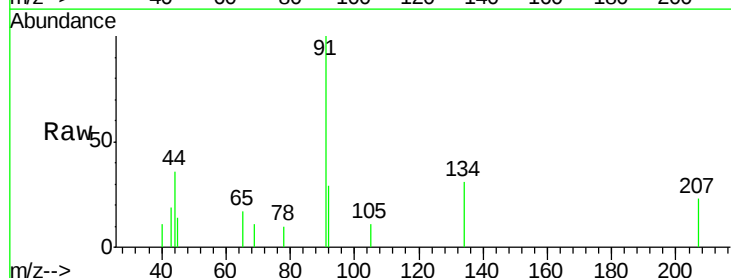
RT: 13.59 min Scan# 3686

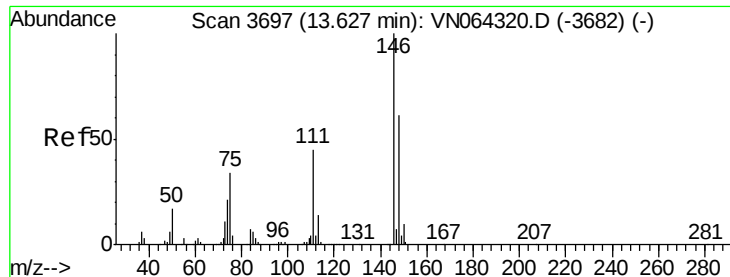
Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Tgt Ion:	91	Resp:	1968
Ion Ratio	Lower	Upper	
91	100		
92	41.6	26.2	78.5
134	30.4	12.4	37.4





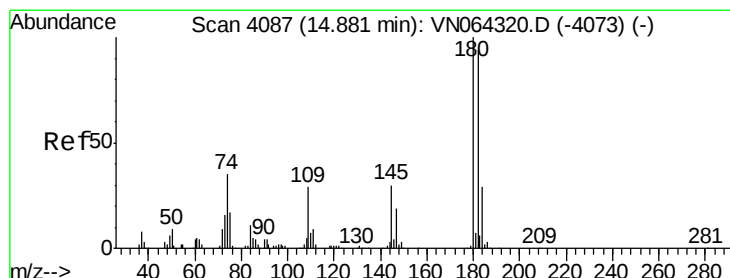
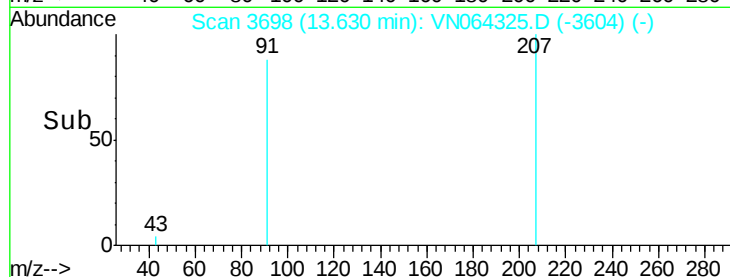
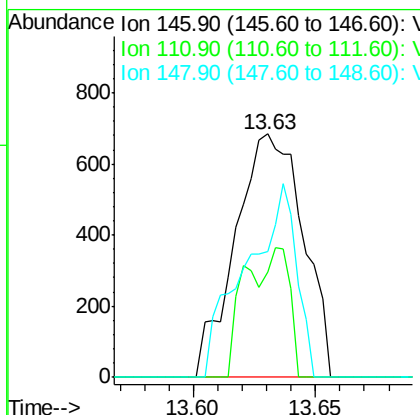
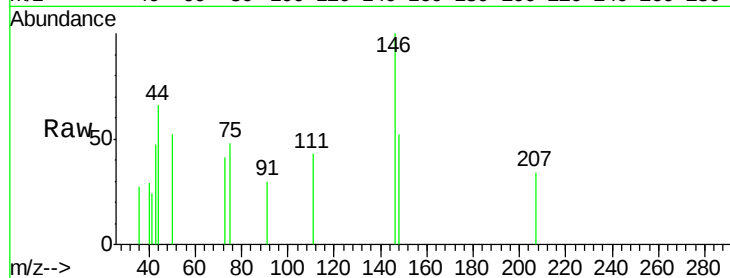
#91
 1,2-Dichlorobenzene
 Concen: 0.247 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	18.6	23.0	69.0#
148	60.3	32.1	96.3

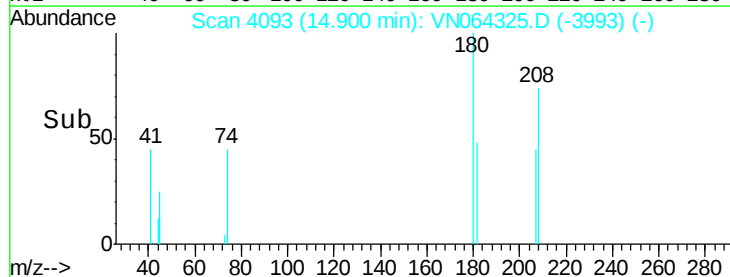
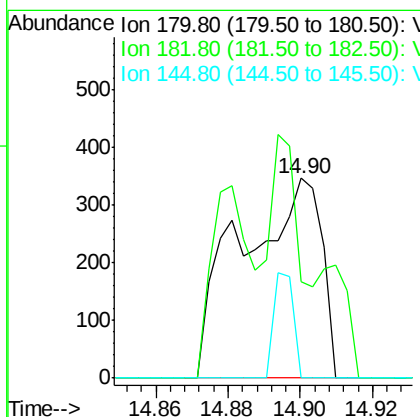
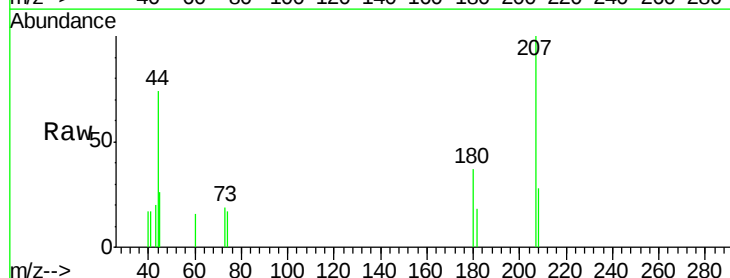
Manual Integrations
 APPROVED

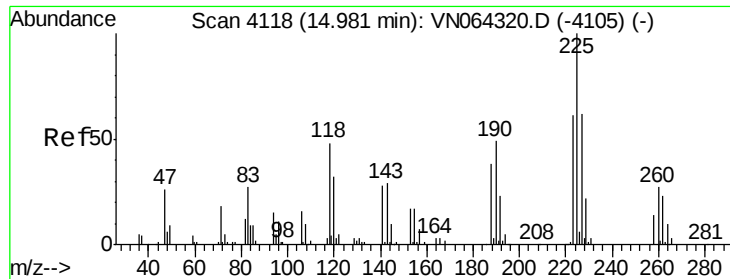
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.202 ug/l m
 RT: 14.90 min Scan# 4093
 Delta R.T. 0.02 min
 Lab File: VN064325.D
 Acq: 27 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	26.9	46.6	139.7#
145	12.9	15.3	45.9#





#94

Hexachlorobutadiene

Concen: 0.356 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Instrument :

MSVOA_N

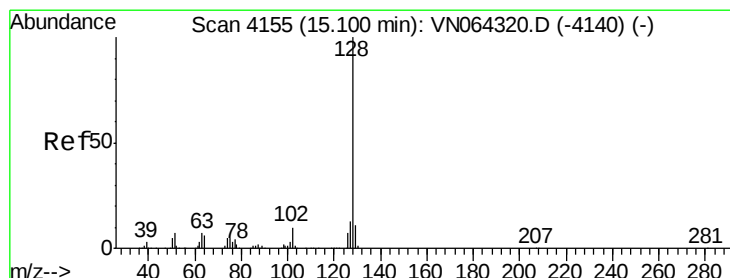
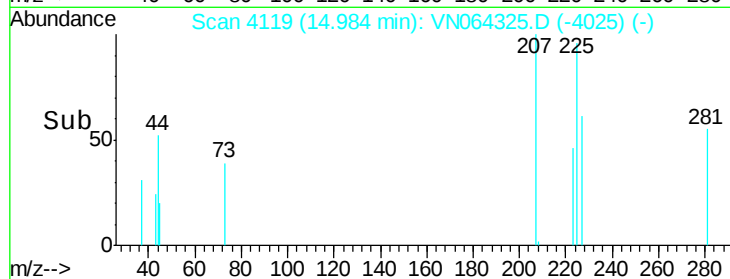
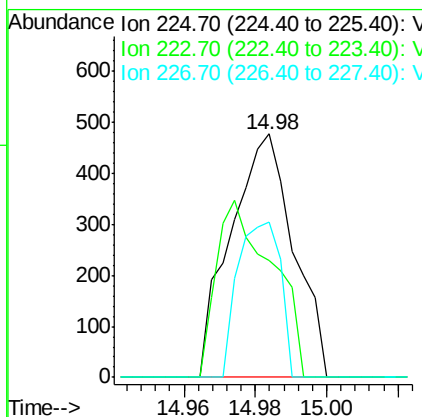
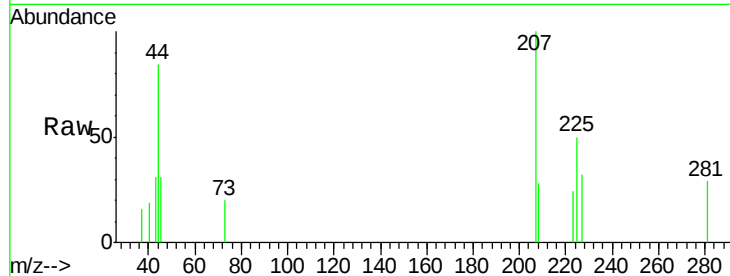
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	225	Resp:	581
Ion Ratio	Lower	Upper	
225	100		
223	64.4	31.3	93.8
227	43.4	32.3	96.9

Manual Integrations
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#95

Naphthalene

Concen: 0.212 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064325.D

Acq: 27 Oct 2020 14:53

Tgt Ion:	128	Resp:	1741
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.4	15.6#
129	4.4	8.6	13.0#

