

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064332.D
 Acq On : 27 Oct 2020 17:39
 Operator : JC/MD
 Sample : L4214-09 .5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:46:19 AM

Quant Time: Oct 28 06:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 05:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148553	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	197733	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.55	113	134203	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.06	98	474760	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.38	95	175011	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1384	0.494	ug/l	72
3) Chloromethane	2.04	50	1289	0.426	ug/l	93
4) Vinyl Chloride	2.17	62	2036	0.695	ug/l #	74
5) Bromomethane	2.54	94	1463m	0.773	ug/l	
6) Chloroethane	2.68	64	925m	0.529	ug/l	
7) Trichlorofluoromethane	2.99	101	2093	0.427	ug/l	85
8) Diethyl Ether	3.37	74	602	0.388	ug/l #	40
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1017m	0.413	ug/l	
10) Methyl Iodide	3.92	142	1832	0.557	ug/l #	73
11) Tert butyl alcohol	4.74	59	881m	1.550	ug/l	
12) 1,1-Dichloroethene	3.70	96	1089m	0.468	ug/l	
13) Acrolein	3.57	56	560	4.258	ug/l	86
14) Allyl chloride	4.28	41	2209m	0.465	ug/l	
15) Acrylonitrile	4.94	53	2690m	2.201	ug/l	
16) Acetone	3.78	43	3492	2.447	ug/l	92
17) Carbon Disulfide	4.02	76	4012	0.583	ug/l	100
18) Methyl Acetate	4.29	43	1761m	0.599	ug/l	
19) Methyl tert-butyl Ether	5.01	73	4561m	0.510	ug/l	
20) Methylene Chloride	4.52	84	1365m	0.492	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1455m	0.560	ug/l	
22) Diisopropyl ether	5.90	45	3666m	0.395	ug/l	
23) Vinyl Acetate	5.85	43	16789	2.136	ug/l #	93
24) 1,1-Dichloroethane	5.79	63	2745m	0.528	ug/l	
25) 2-Butanone	6.80	43	4207m	2.140	ug/l	
26) 2,2-Dichloropropane	6.78	77	2390m	0.470	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	1201	0.404	ug/l	63
28) Bromochloromethane	7.14	49	1235m	0.499	ug/l	
29) Tetrahydrofuran	7.17	42	2600m	2.038	ug/l	
30) Chloroform	7.34	83	2979m	0.537	ug/l	
31) Cyclohexane	7.62	56	8084	1.779	ug/l #	39
32) 1,1,1-Trichloroethane	7.53	97	2384	0.448	ug/l #	35
36) 1,1-Dichloropropene	7.75	75	2210	0.537	ug/l	83
37) Ethyl Acetate	6.89	43	2433m	0.585	ug/l	
38) Carbon Tetrachloride	7.74	117	2581m	0.541	ug/l	

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

39) Methylcyclohexane	9.04	83	2125m	0.521	ug/l	
40) Benzene	8.00	78	5757	0.503	ug/l #	84
41) Methacrylonitrile	7.14	41	759m	0.368	ug/l	
42) 1,2-Dichloroethane	8.08	62	2787	0.563	ug/l #	79
43) Isopropyl Acetate	8.12	43	3624m	0.510	ug/l	
44) Trichloroethene	8.80	130	1168	0.389	ug/l	71
45) 1,2-Dichloropropane	9.09	63	1219	0.397	ug/l #	89
46) Dibromomethane	9.17	93	1112	0.518	ug/l #	68
47) Bromodichloromethane	9.38	83	2022	0.425	ug/l #	92
48) Methyl methacrylate	9.17	41	2213	0.604	ug/l #	76
49) 1,4-Dioxane	9.17	88	371	6.867	ug/l #	56
51) 4-Methyl-2-Pentanone	9.95	43	8105	1.963	ug/l #	75
52) Toluene	10.13	92	3005	0.416	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	2191	0.436	ug/l #	88
54) cis-1,3-Dichloropropene	9.81	75	2340	0.452	ug/l	92
55) 1,1,2-Trichloroethane	10.53	97	1389	0.487	ug/l #	90
56) Ethyl methacrylate	10.41	69	1333	0.309	ug/l #	86
57) 1,3-Dichloropropane	10.68	76	2272	0.467	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	4662	1.978	ug/l #	81
59) 2-Hexanone	10.73	43	5520	1.815	ug/l	97
60) Dibromochloromethane	10.87	129	1342	0.398	ug/l	90
61) 1,2-Dibromoethane	10.98	107	1040	0.358	ug/l #	78
64) Tetrachloroethene	10.60	164	1517	0.508	ug/l	94
65) Chlorobenzene	11.40	112	3698	0.502	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1190	0.399	ug/l #	67
67) Ethyl Benzene	11.48	91	6492	0.474	ug/l #	84
68) m/p-Xylenes	11.59	106	4105	0.808	ug/l	99
69) o-Xylene	11.92	106	2037	0.416	ug/l	86
70) Styrene	11.95	104	3039	0.379	ug/l #	89
71) Bromoform	12.11	173	983m	0.420	ug/l	
73) Isopropylbenzene	12.23	105	5000	0.449	ug/l	98
74) N-amyl acetate	12.05	43	1579	0.322	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.48	83	1425	0.441	ug/l #	84
76) 1,2,3-Trichloropropane	12.53	75	2013m	0.566	ug/l	
77) Bromobenzene	12.50	156	1460	0.536	ug/l	87
78) n-propylbenzene	12.57	91	6628	0.526	ug/l	100
79) 2-Chlorotoluene	12.64	91	4443	0.552	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	4720	0.501	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.26	75	620m	0.502	ug/l	
82) 4-Chlorotoluene	12.75	91	4395	0.536	ug/l	97
83) tert-Butylbenzene	12.96	119	3831	0.496	ug/l	84
84) 1,2,4-Trimethylbenzene	13.01	105	4191	0.446	ug/l	95
85) sec-Butylbenzene	13.14	105	4436	0.444	ug/l	91
86) p-Isopropyltoluene	13.26	119	4708	0.523	ug/l	95
87) 1,3-Dichlorobenzene	13.25	146	2747	0.576	ug/l	89
88) 1,4-Dichlorobenzene	13.34	146	2789m	0.574	ug/l	
89) n-Butylbenzene	13.59	91	3429	0.432	ug/l	98
90) Hexachloroethane	13.86	117	641m	0.379	ug/l	
91) 1,2-Dichlorobenzene	13.63	146	2212	0.466	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	14.25	75	177	0.221	ug/l #	10

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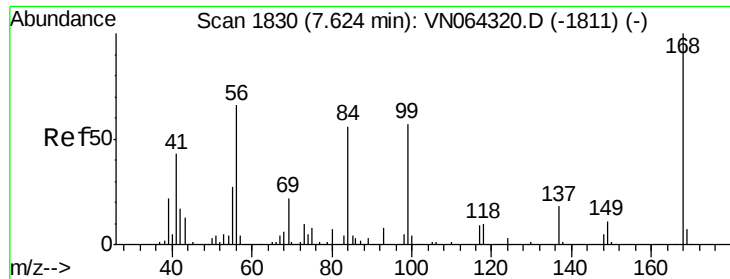
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1049m	0.443	ug/l	
94) Hexachlorobutadiene	14.98	225	1116	0.767	ug/l	90
95) Naphthalene	15.11	128	2774m	0.380	ug/l	
96) 1,2,3-Trichlorobenzene	15.29	180	840	0.366	ug/l	77

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064332.D

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Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 243600

Ion Ratio Lower Upper

168 100

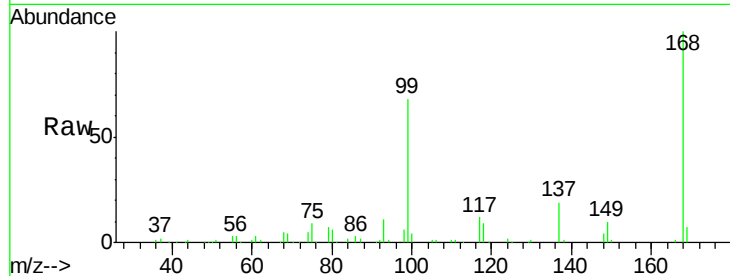
99 68.1 52.7 79.1

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

7.63

100000

80000

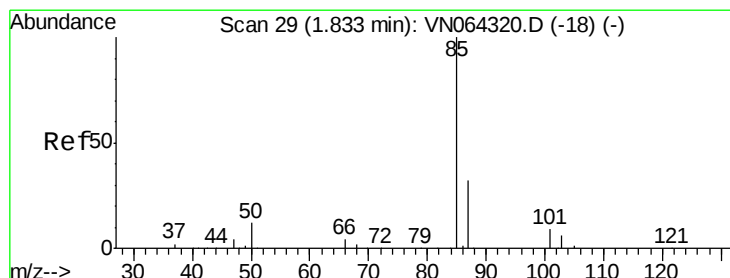
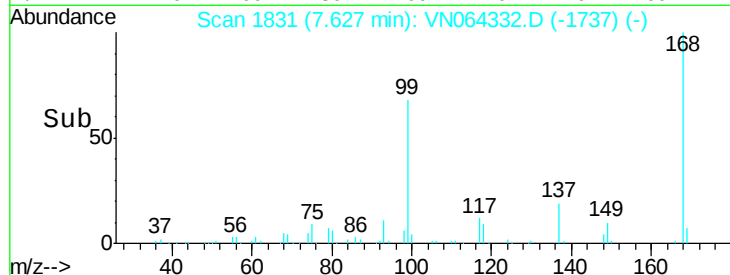
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.494 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064332.D

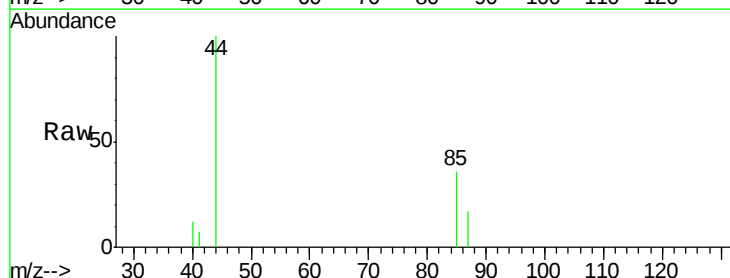
Acq: 27 Oct 2020 17:39

Tgt Ion: 85 Resp: 1384

Ion Ratio Lower Upper

85 100

87 47.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

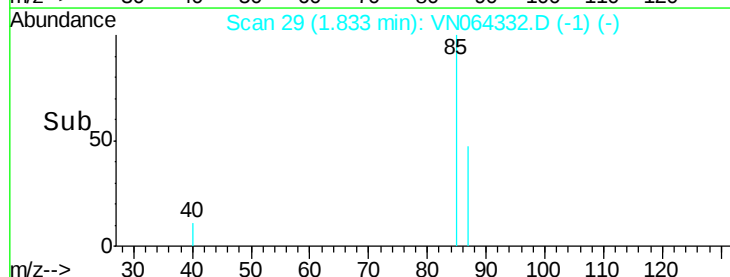
1.83

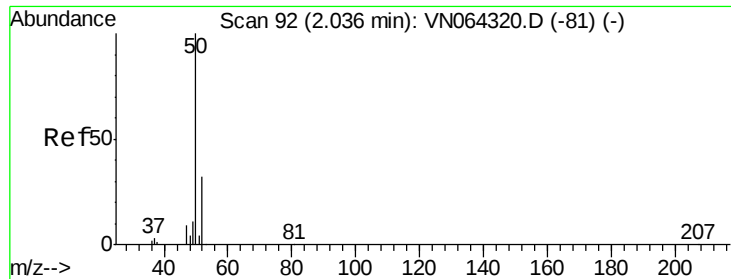
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.426 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 1289

Ion Ratio Lower Upper

50 100

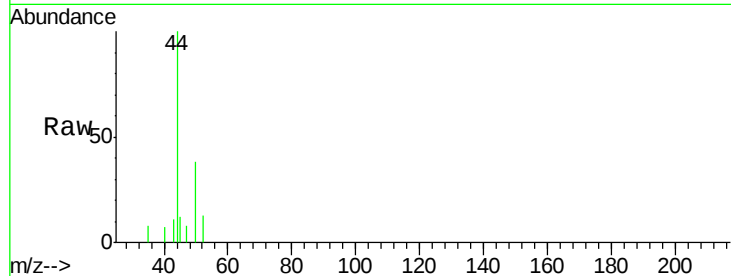
52 35.7 25.6 38.4

Manual Integrations

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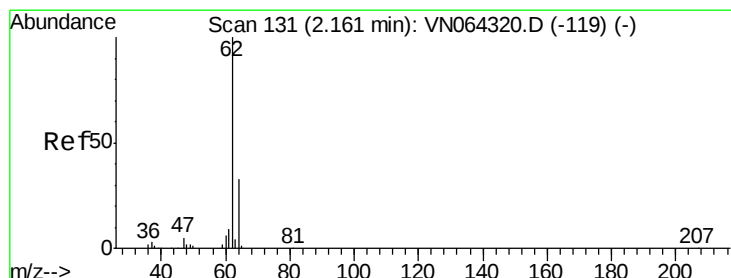
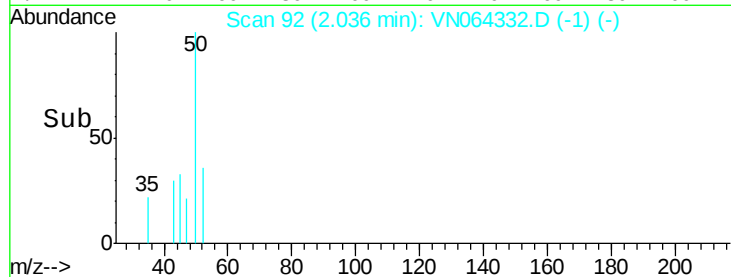
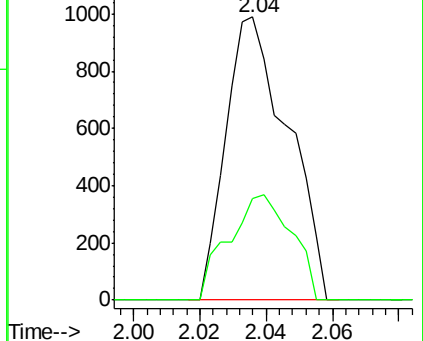
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.695 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.01 min

Lab File: VN064332.D

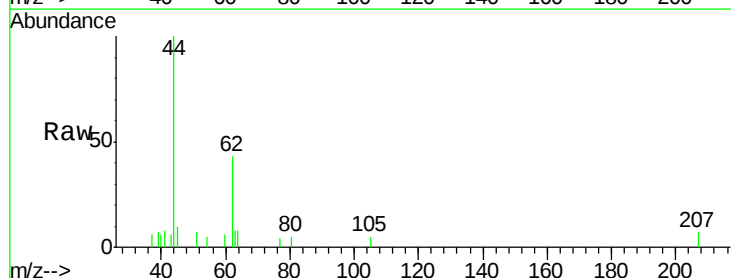
Acq: 27 Oct 2020 17:39

Tgt Ion: 62 Resp: 2036

Ion Ratio Lower Upper

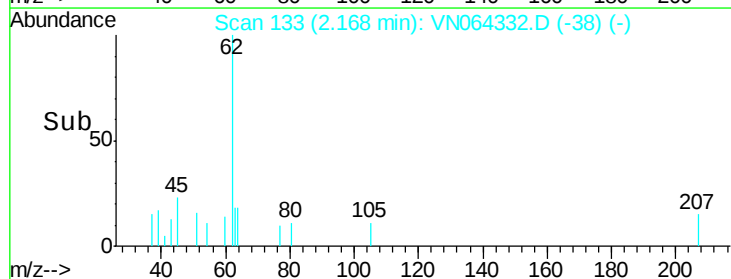
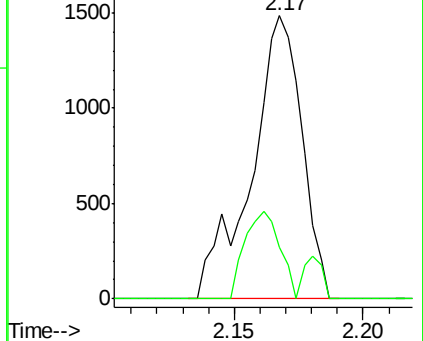
62 100

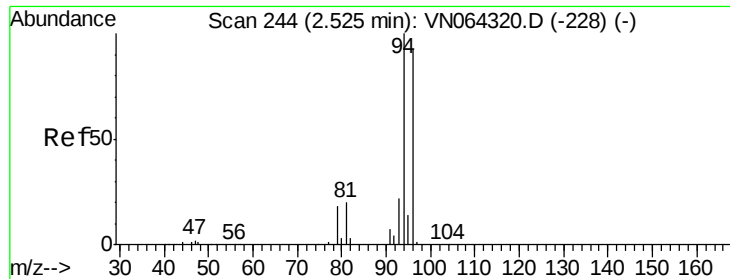
64 18.3 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 0.773 ug/l m

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 1463

Ion Ratio Lower Upper

94 100

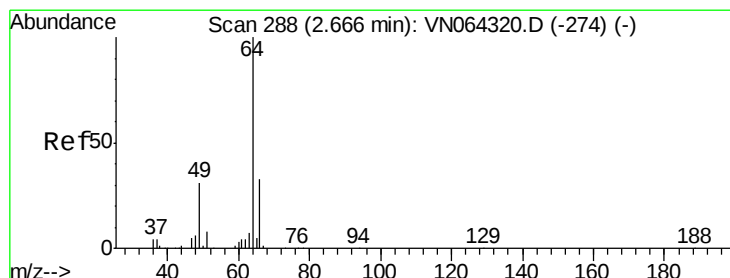
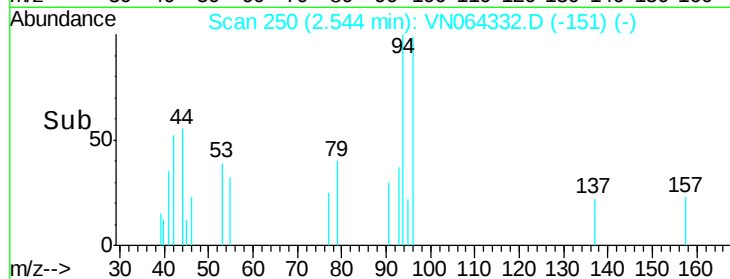
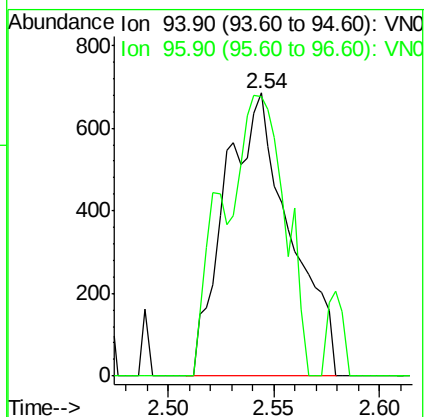
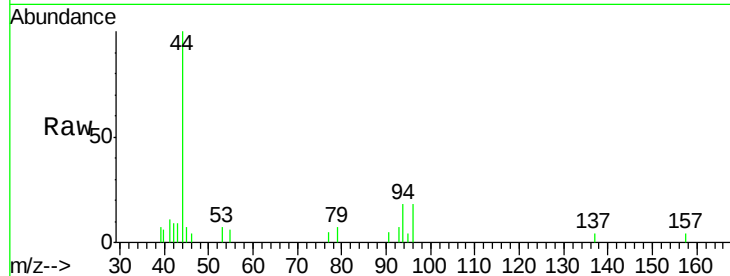
96 98.7 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 0.529 ug/l m

RT: 2.68 min Scan# 293

Delta R.T. 0.02 min

Lab File: VN064332.D

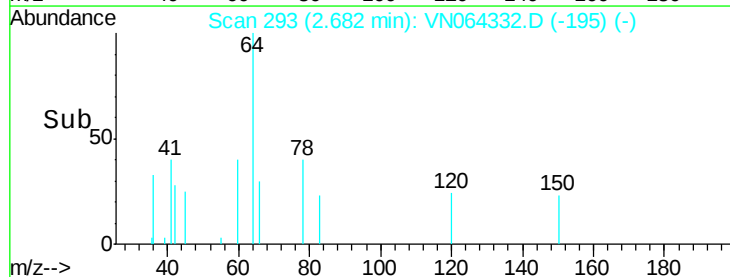
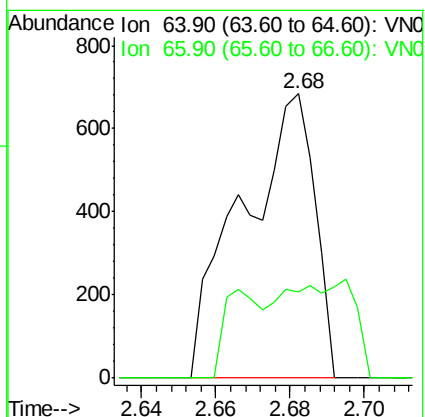
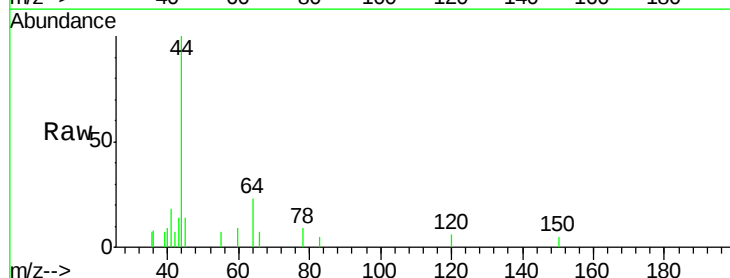
Acq: 27 Oct 2020 17:39

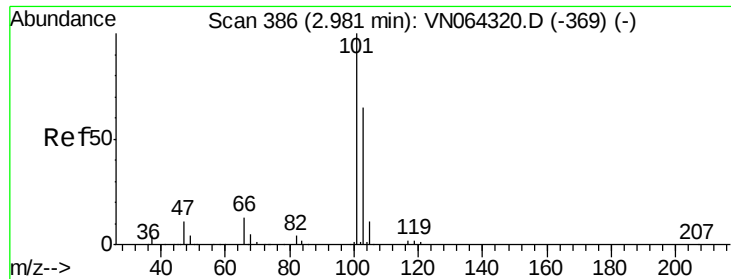
Tgt Ion: 64 Resp: 925

Ion Ratio Lower Upper

64 100

66 30.3 26.5 39.7





#7

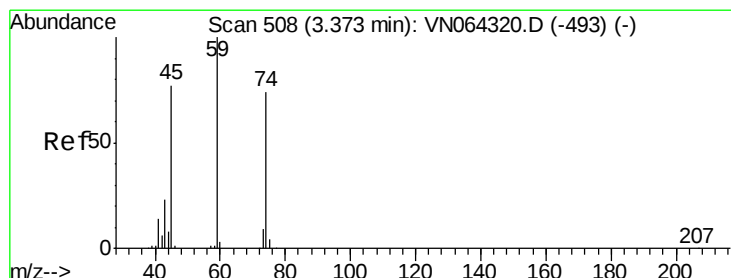
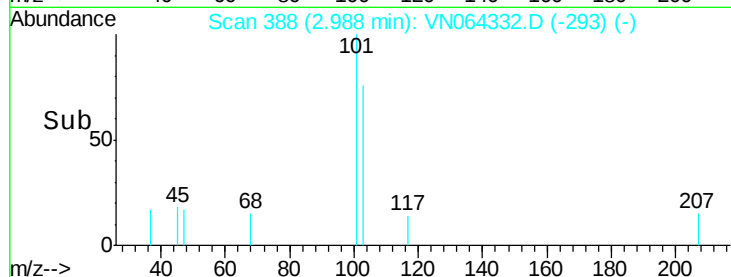
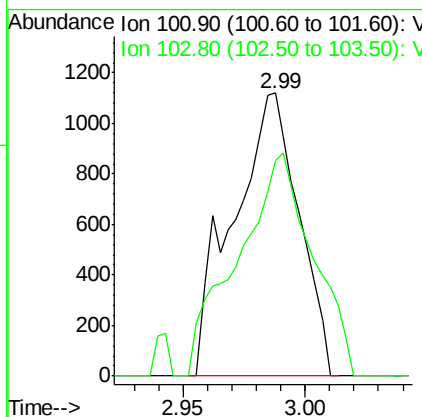
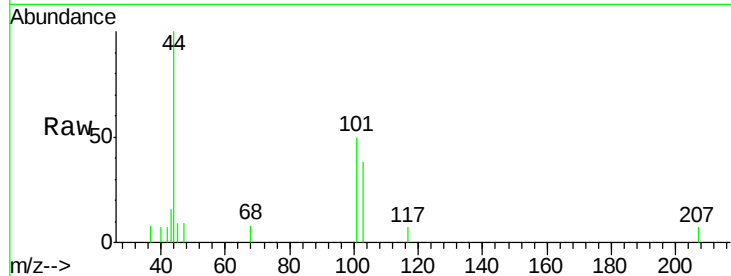
Trichlorofluoromethane
Concen: 0.427 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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Tot Ion:101 Resp: 2093
Ion Ratio Lower Upper
101 100
103 76.2 51.7 77.5

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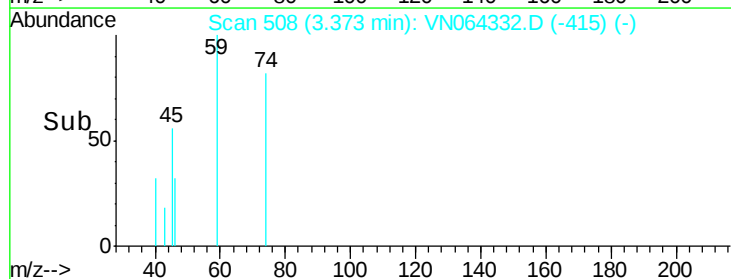
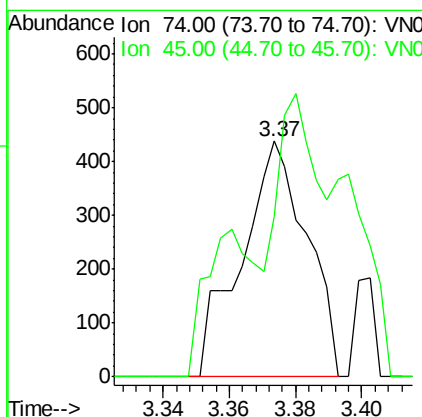
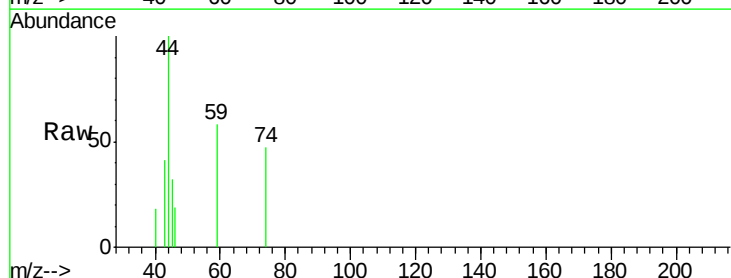
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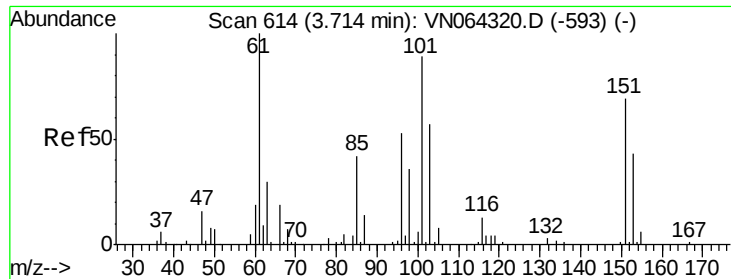


#8

Diethyl Ether
Concen: 0.388 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 74 Resp: 602
Ion Ratio Lower Upper
74 100
45 41.4 51.3 154.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.413 ug/l m

RT: 3.71 min Scan# 612

Delta R.T. -0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

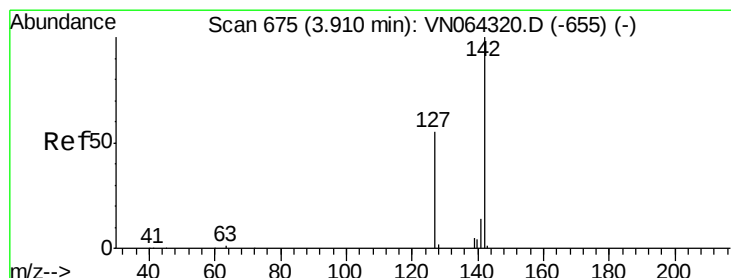
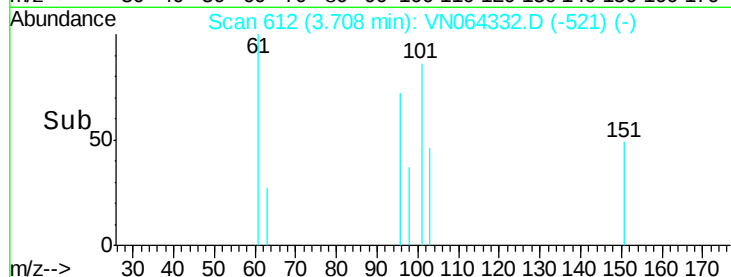
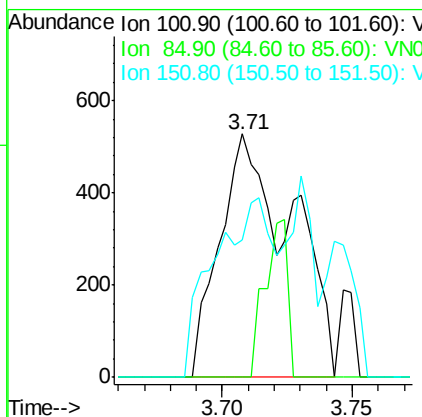
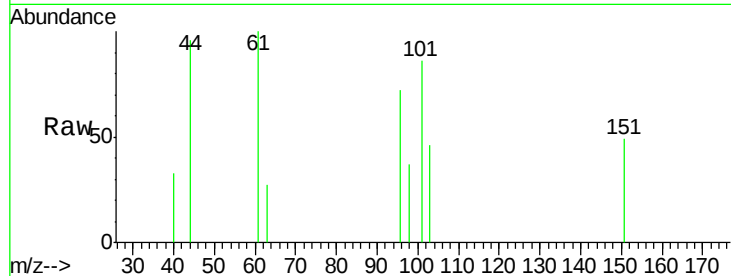
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
85	0.0	38.4	57.6#
151	59.6	62.0	93.0#

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#10

Methyl Iodide

Concen: 0.557 ug/l

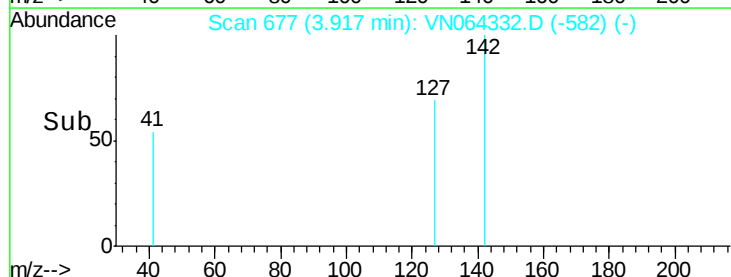
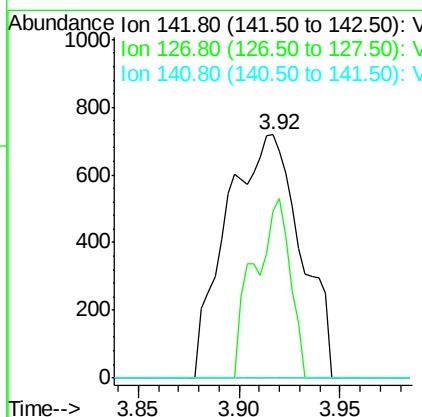
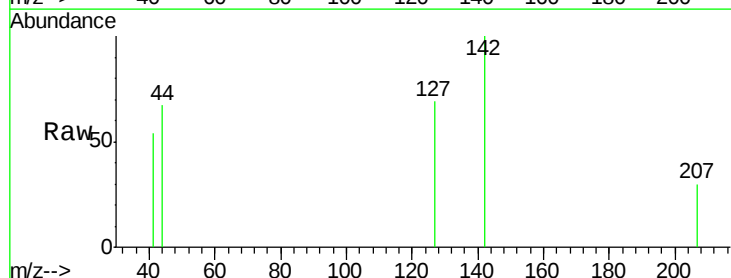
RT: 3.92 min Scan# 677

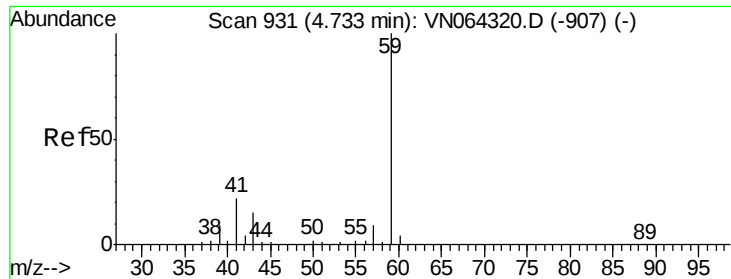
Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
142	100		
127	36.4	43.3	64.9#
141	0.0	11.5	17.3#





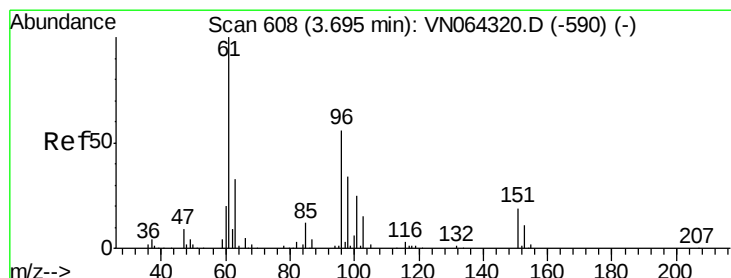
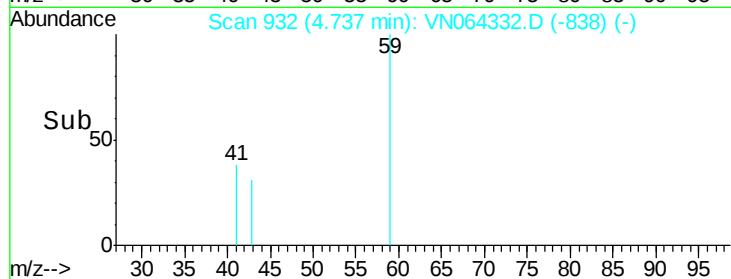
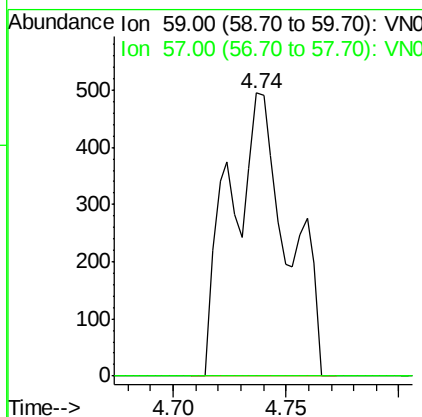
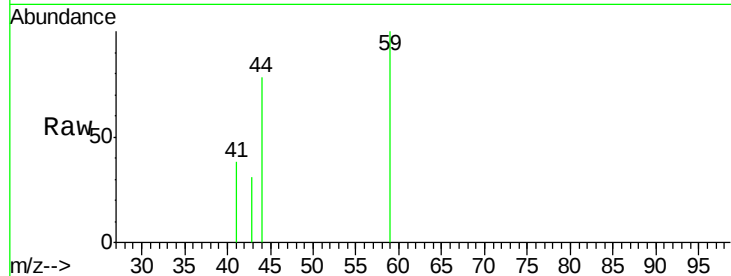
#11
Tert butyl alcohol
Concen: 1.550 ug/l m
RT: 4.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 59 Resp: 881
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.0#

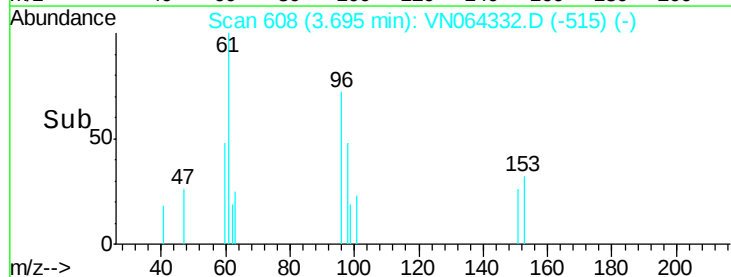
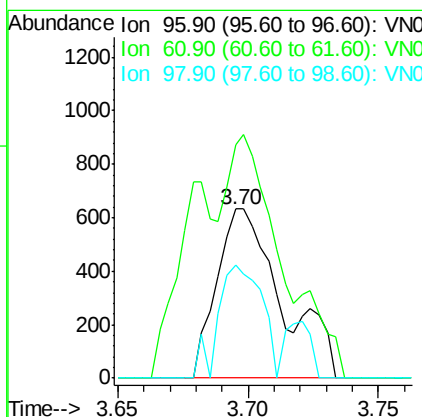
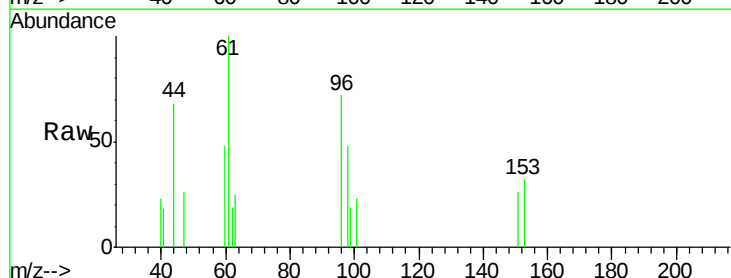
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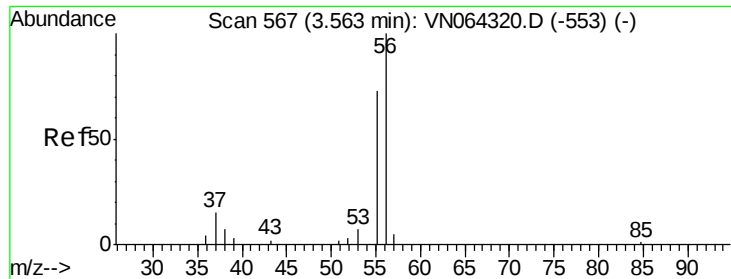
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#12
1,1-Dichloroethene
Concen: 0.468 ug/l m
RT: 3.70 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 96 Resp: 1089
Ion Ratio Lower Upper
96 100
61 138.0 143.6 215.4#
98 66.8 48.6 73.0





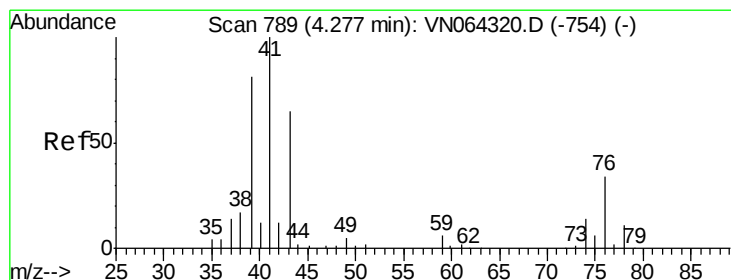
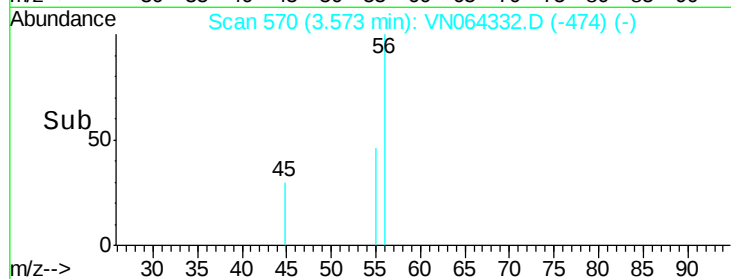
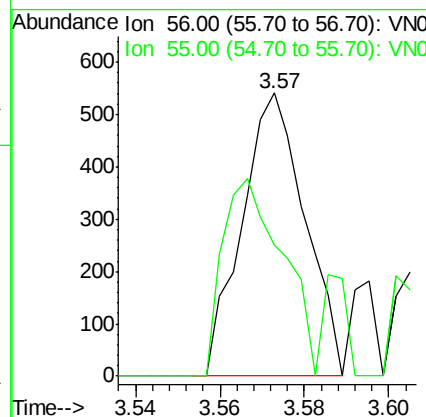
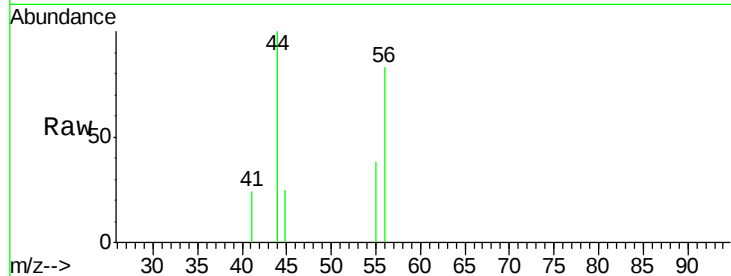
#13
Acrolein
Concen: 4.258 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 56 Resp: 560
Ion Ratio Lower Upper
56 100
55 66.3 62.6 94.0

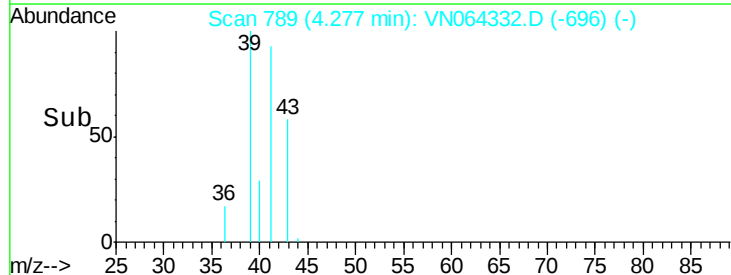
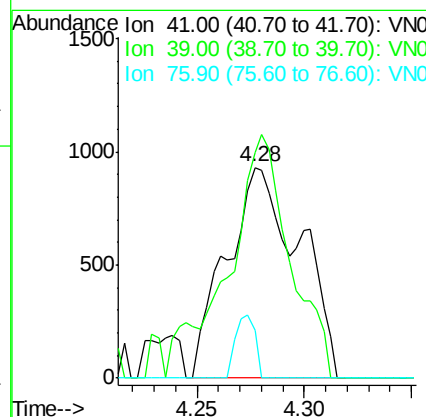
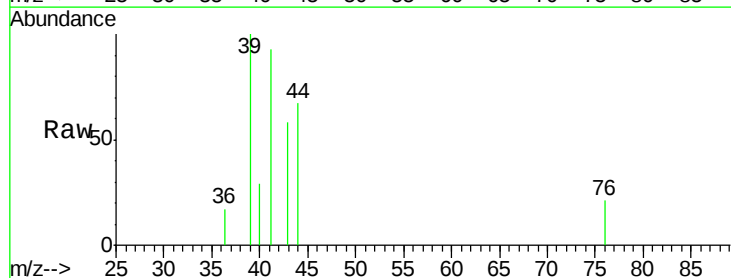
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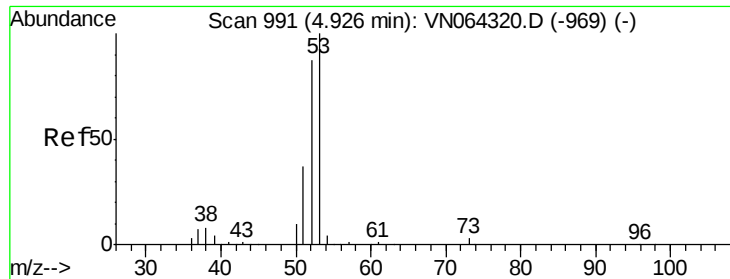
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#14
Allyl chloride
Concen: 0.465 ug/l m
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 41 Resp: 2209
Ion Ratio Lower Upper
41 100
39 88.7 61.7 92.5
76 8.1 24.0 36.0#





#15

Acrylonitrile

Concen: 2.201 ug/l m

RT: 4.94 min Scan# 996

Delta R.T. 0.02 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

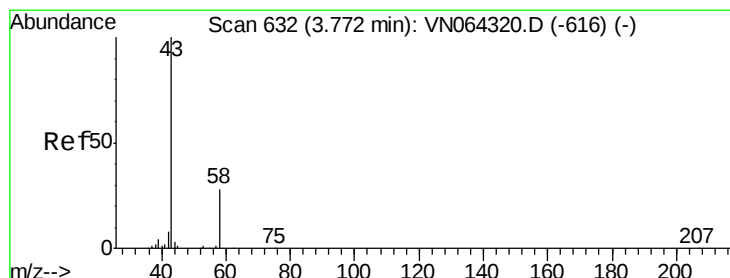
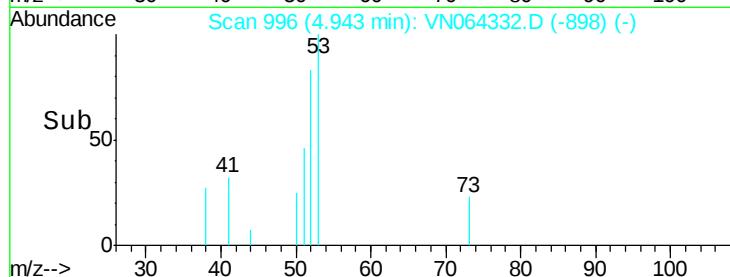
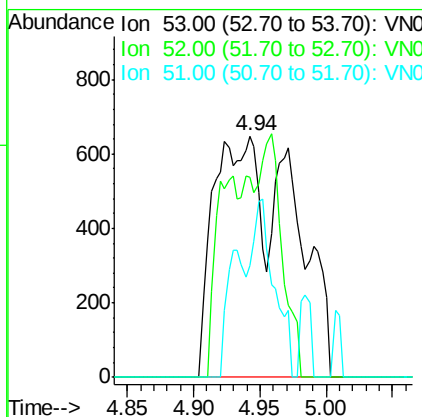
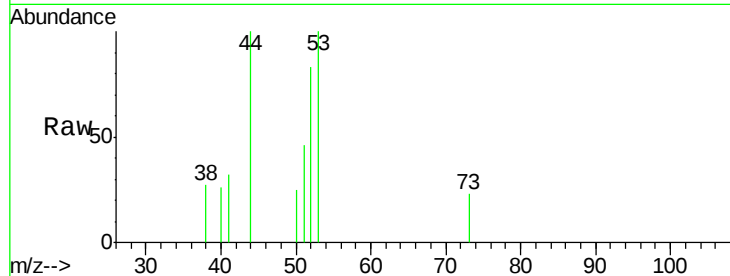
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	53	Resp:	2690
Ion	Ratio	Lower	Upper
53	100		
52	23.3	65.9	98.9#
51	12.4	30.4	45.6#

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#16

Acetone

Concen: 2.447 ug/l

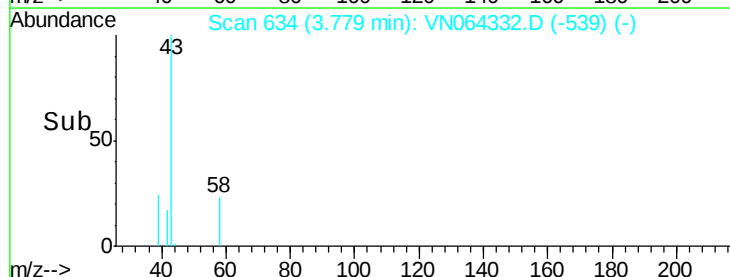
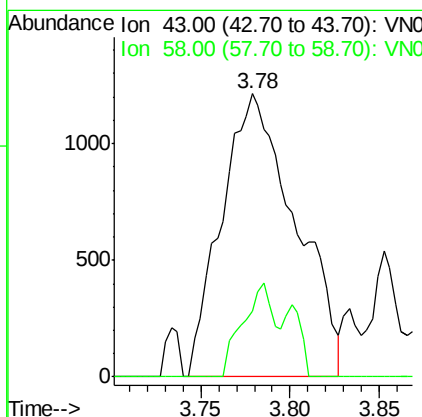
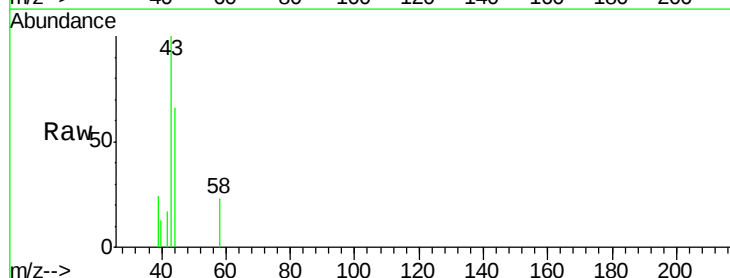
RT: 3.78 min Scan# 634

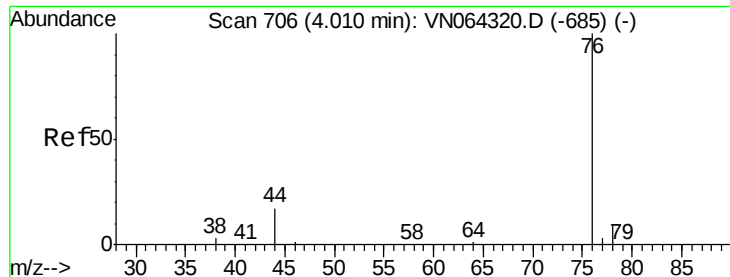
Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	43	Resp:	3492
Ion	Ratio	Lower	Upper
43	100		
58	23.2	22.1	33.1





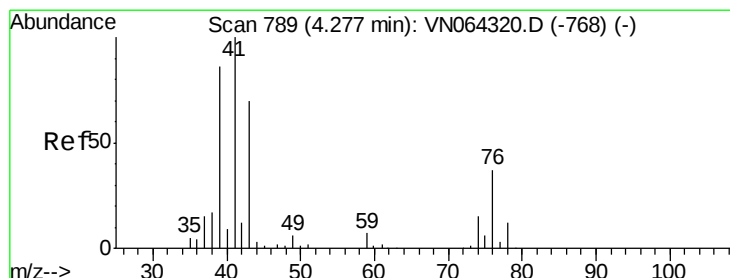
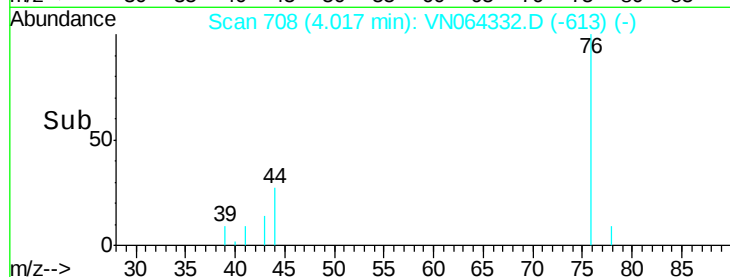
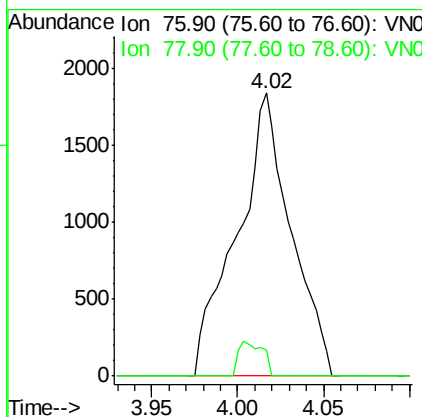
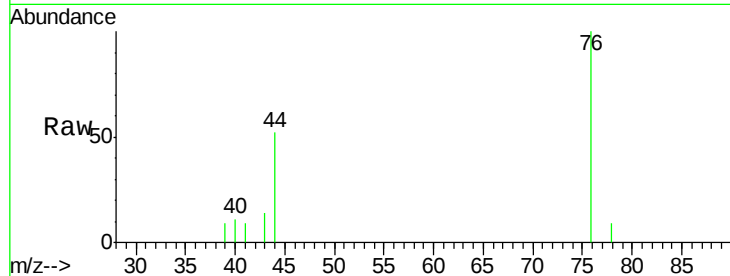
#17
Carbon Disulfide
Concen: 0.583 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 76 Resp: 4012
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

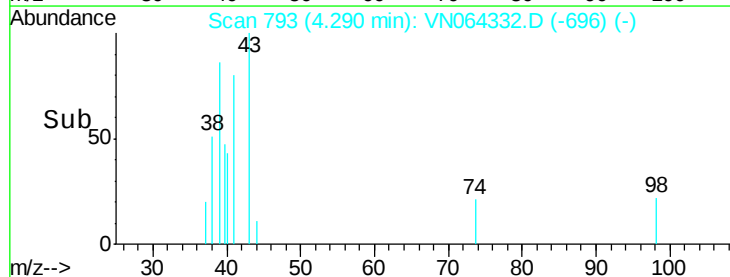
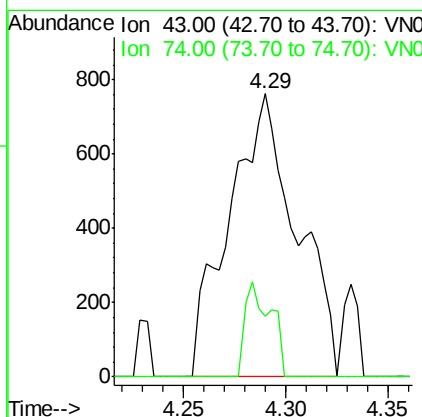
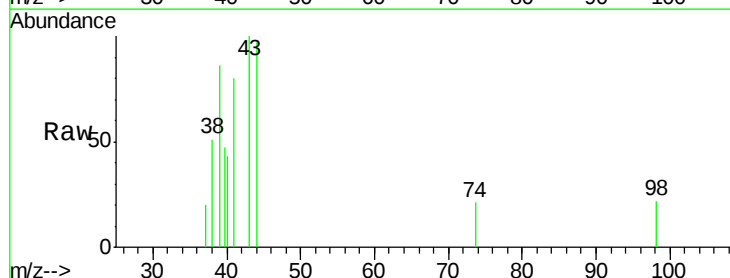
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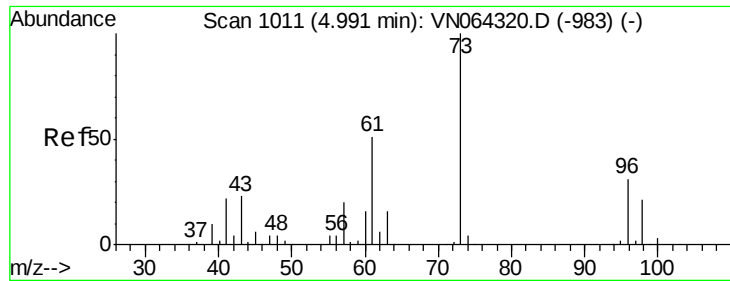
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#18
Methyl Acetate
Concen: 0.599 ug/l m
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
74 12.7 16.7 25.1#





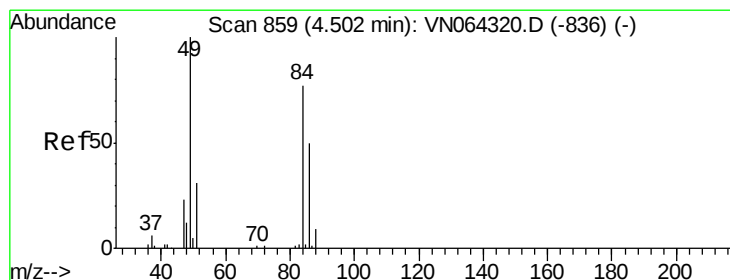
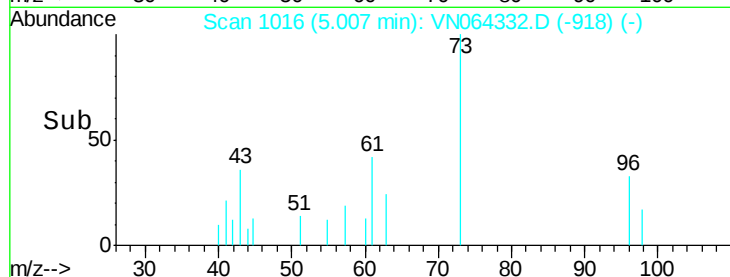
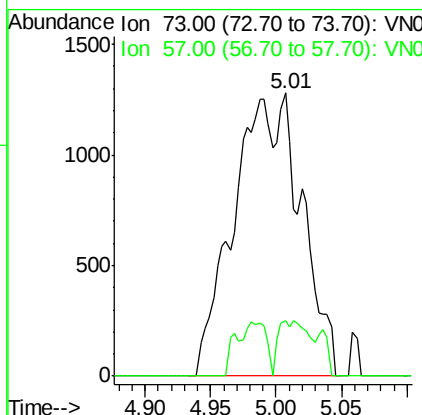
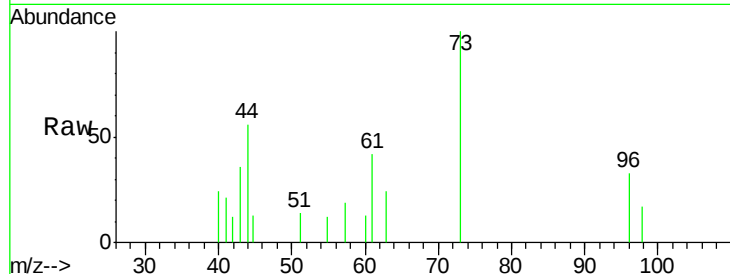
#19
Methvl tert-butvl Ether
Concen: 0.510 ug/l m
RT: 5.01 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 73 Resp: 4561
Ion Ratio Lower Upper
73 100
57 19.5 16.1 24.1

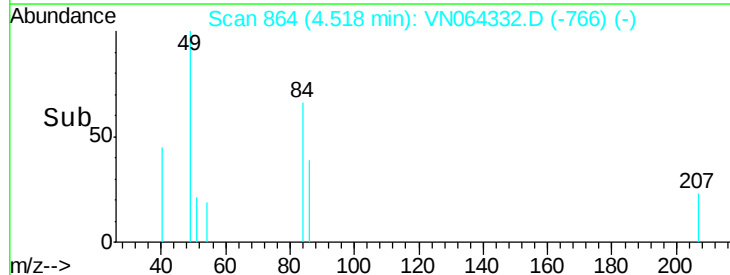
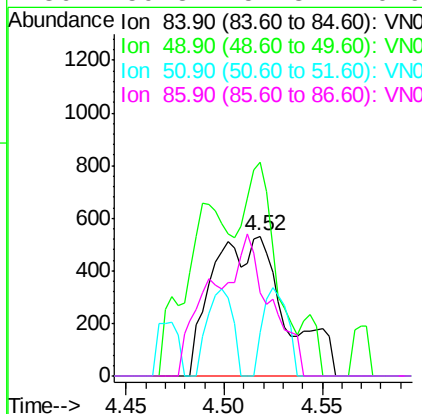
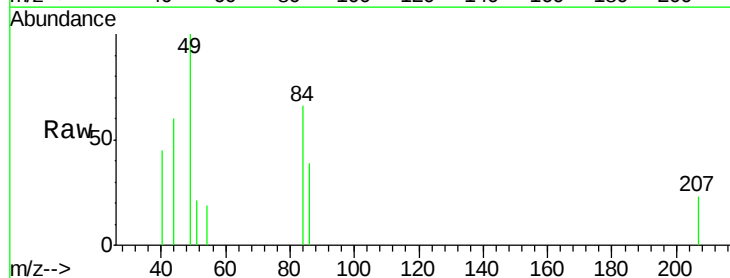
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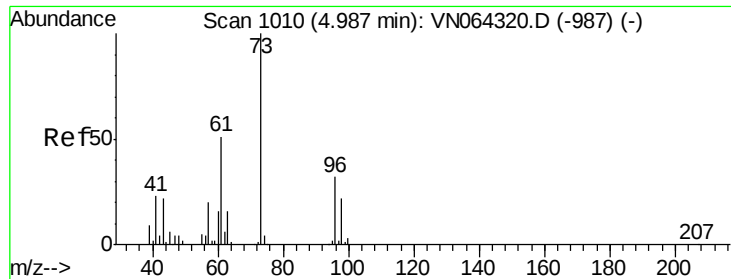
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#20
Methylene Chloride
Concen: 0.492 ug/l m
RT: 4.52 min Scan# 864
Delta R.T. 0.02 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 84 Resp: 1365
Ion Ratio Lower Upper
84 100
49 152.6 103.6 155.4
51 31.4 31.8 47.8#
86 59.8 51.3 76.9





#21

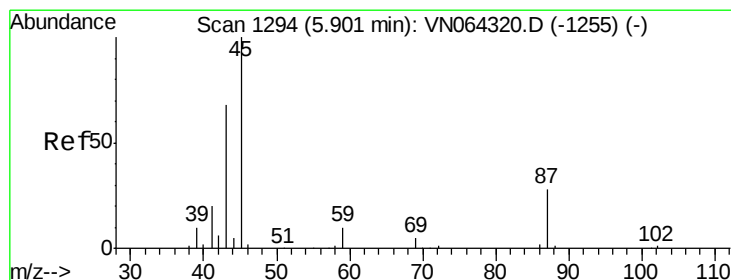
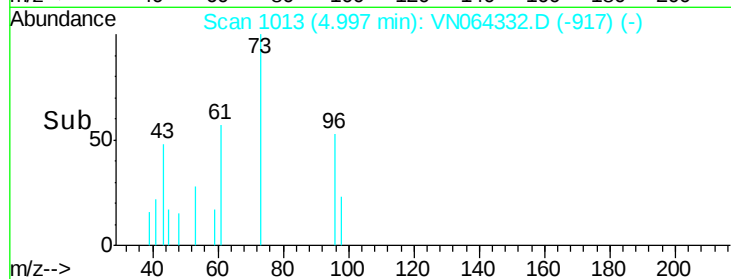
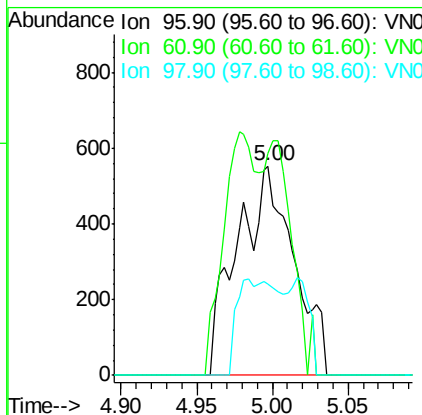
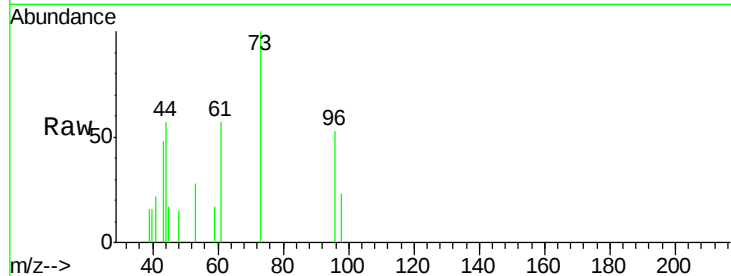
trans-1,2-Dichloroethene
Concen: 0.560 ug/l m
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	106.3	128.2	192.2#
98	43.5	56.1	84.1#

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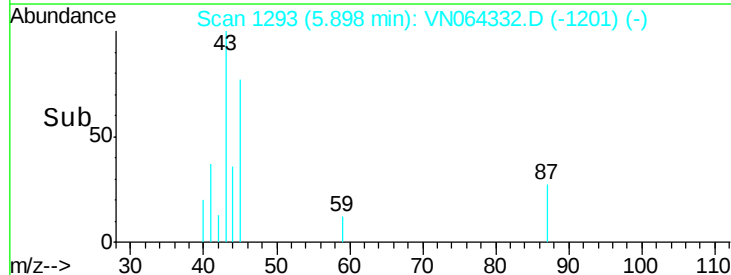
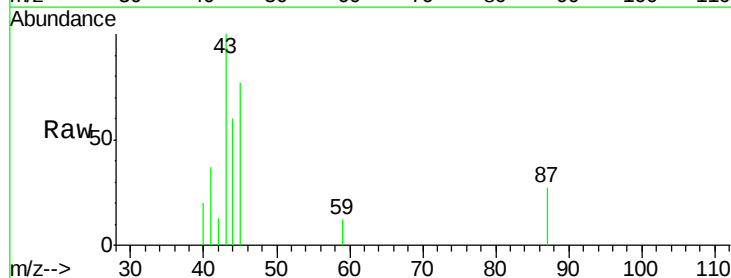
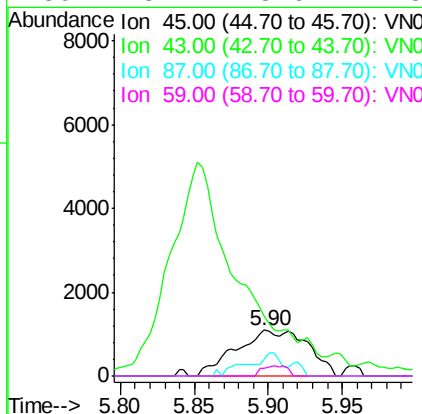
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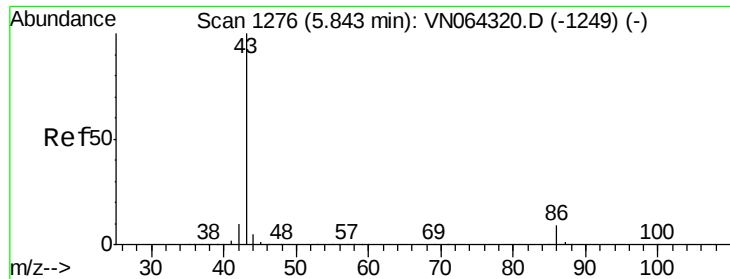


#22

Diisopropyl ether
Concen: 0.395 ug/l m
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	129.6	54.6	82.0#
87	35.4	22.6	33.8#
59	15.7	8.6	12.8#





#23

Vinyl Acetate

Concen: 2.136 ug/l

RT: 5.85 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 16789

Ion Ratio Lower Upper

43 100

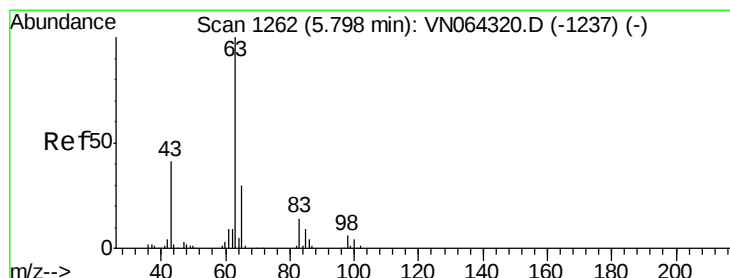
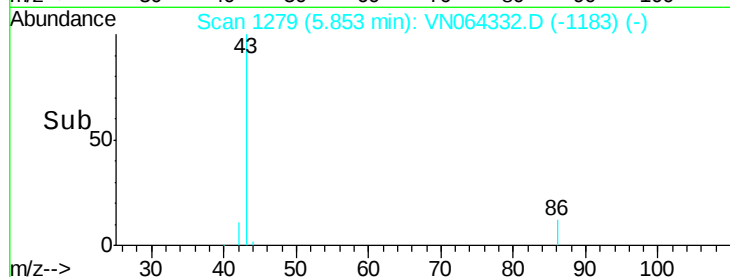
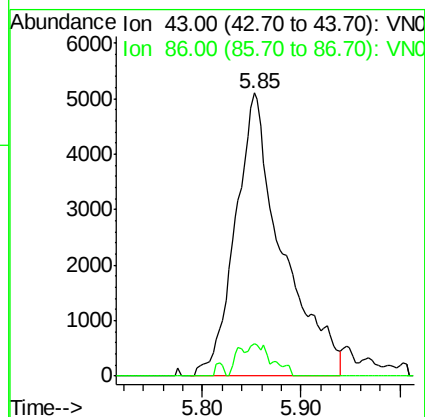
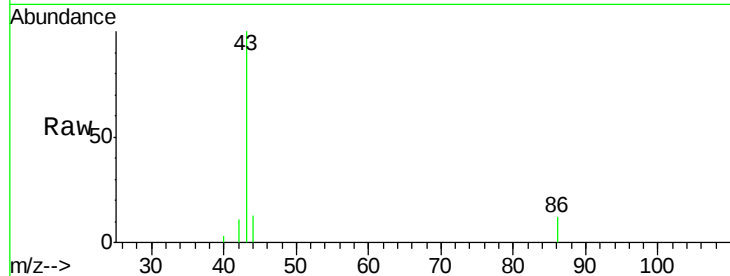
86 11.7 7.3 10.9#

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#24

1,1-Dichloroethane

Concen: 0.528 ug/l m

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

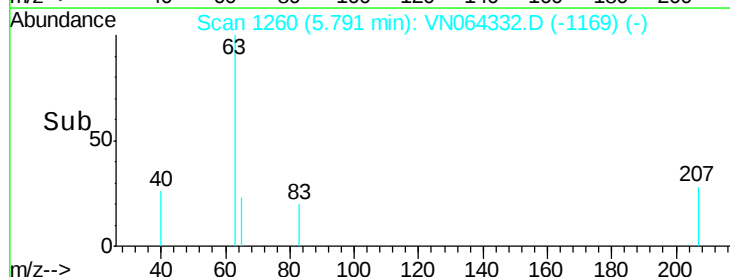
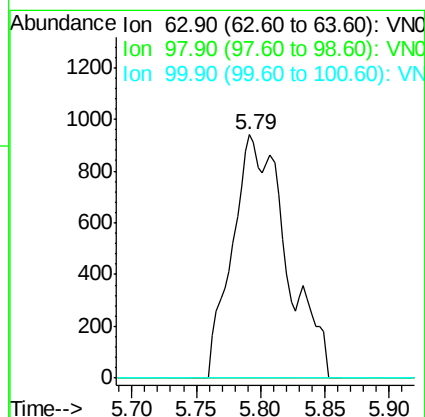
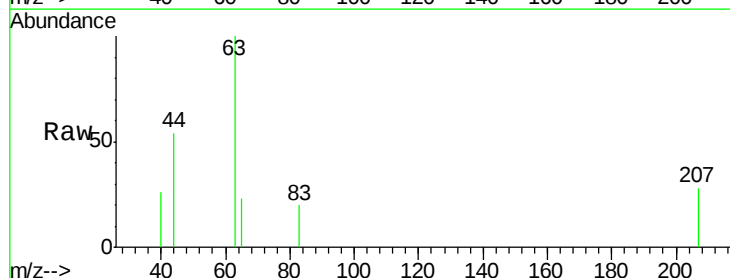
Tgt Ion: 63 Resp: 2745

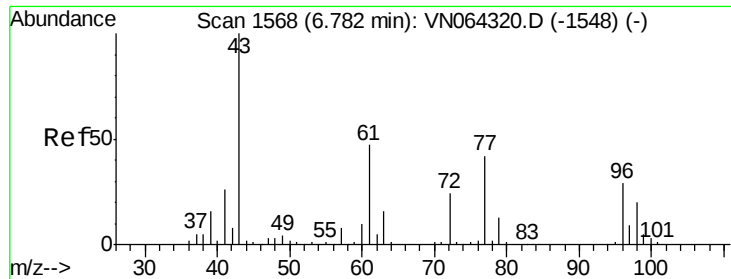
Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 2.140 ug/l m

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 4207

Ion Ratio Lower Upper

43 100

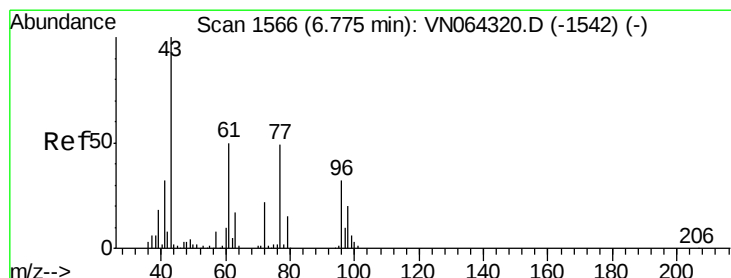
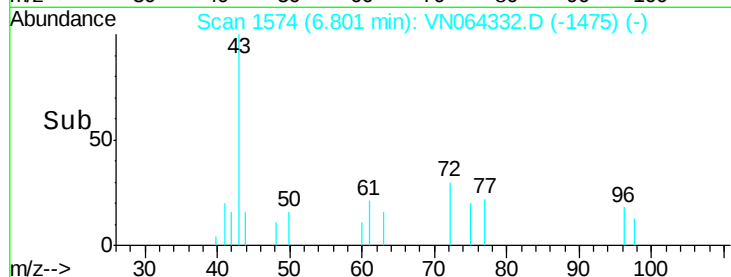
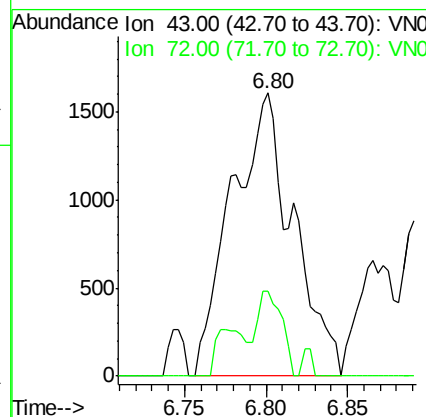
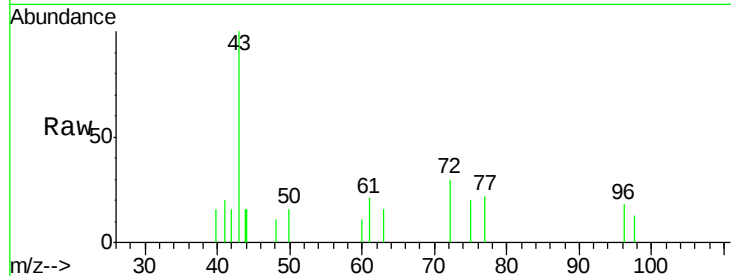
72 30.1 18.8 28.2#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.470 ug/l m

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN064332.D

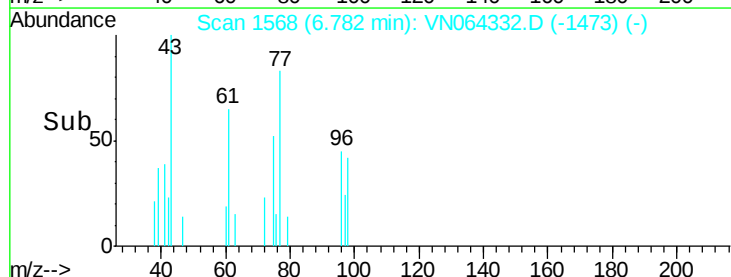
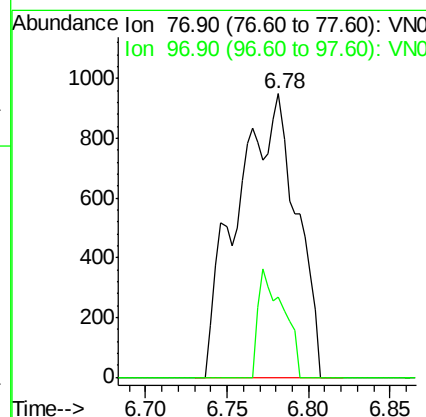
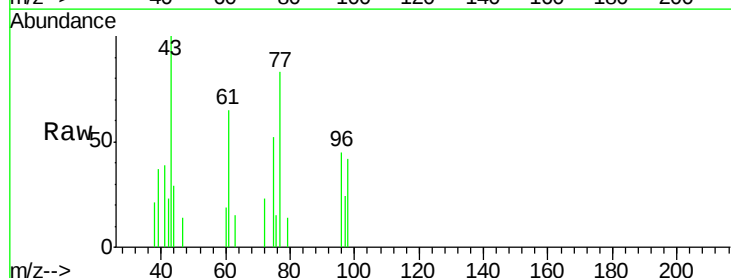
Acq: 27 Oct 2020 17:39

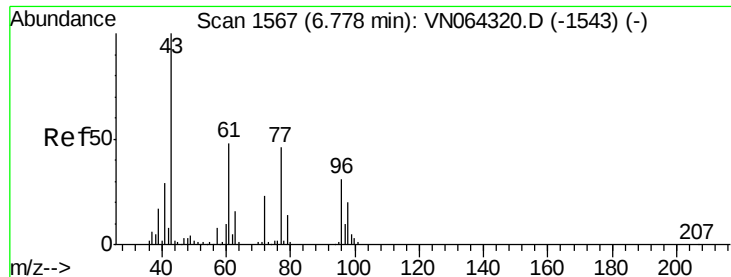
Tgt Ion: 77 Resp: 2390

Ion Ratio Lower Upper

77 100

97 16.1 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 0.404 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

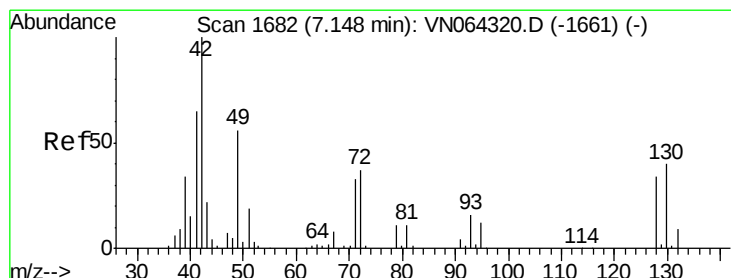
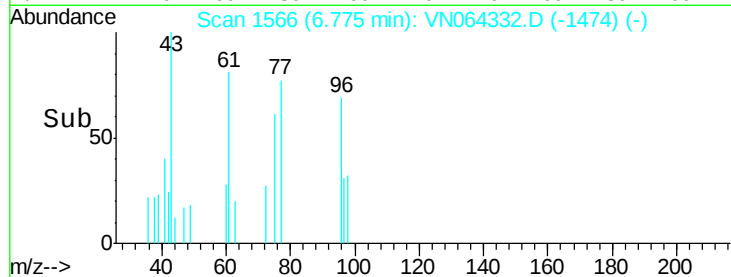
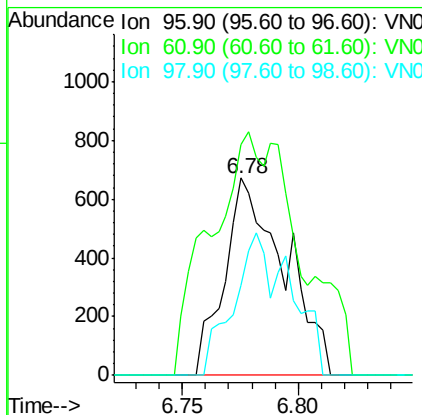
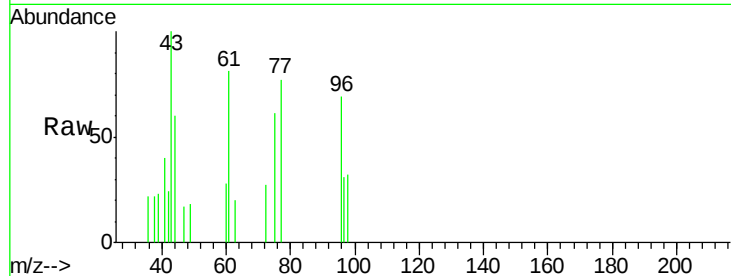
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	1201
Ion	Ratio	Lower	Upper
96	100		
61	108.1	0.0	325.0
98	42.1	0.0	128.4

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#28

Bromochloromethane

Concen: 0.499 ug/l m

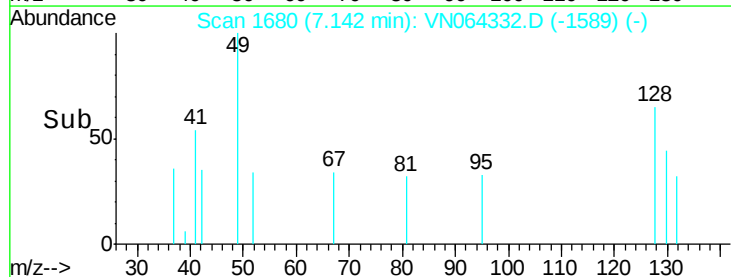
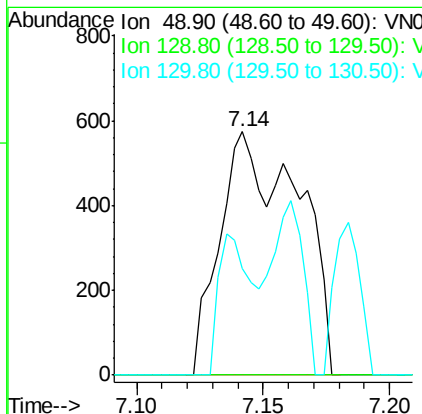
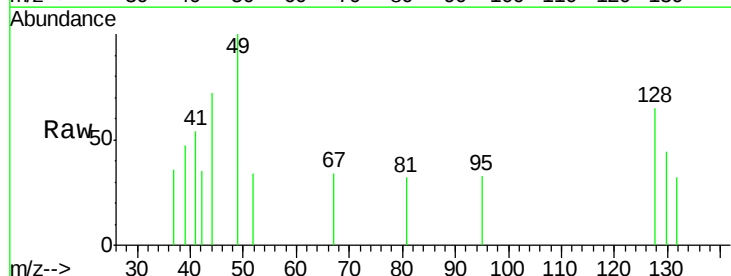
RT: 7.14 min Scan# 1680

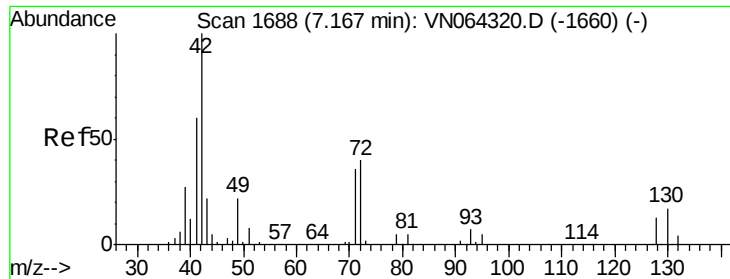
Delta R.T. -0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	49	Resp:	1235
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	24.3	56.2	84.2#





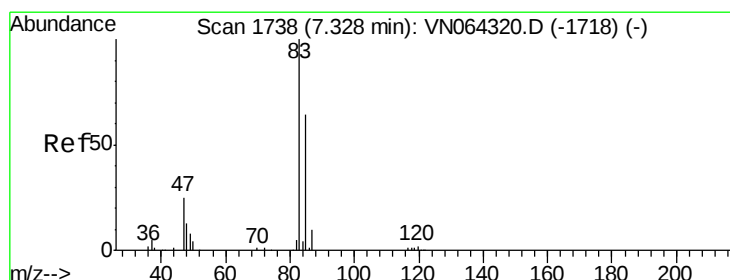
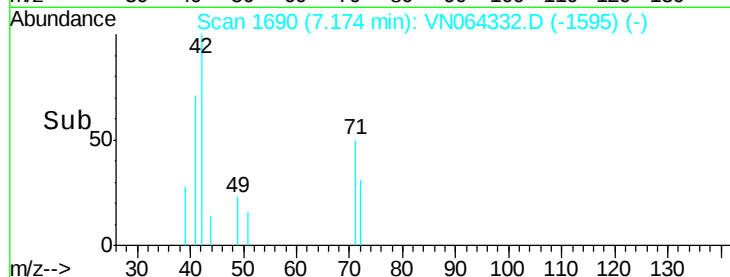
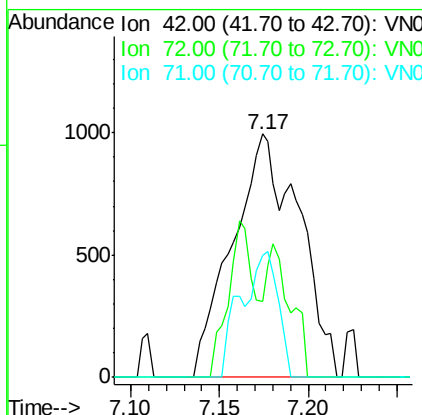
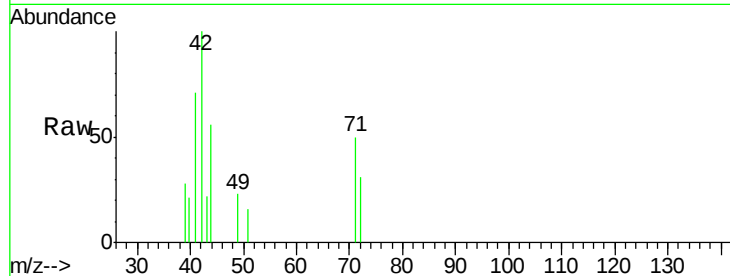
#29
Tetrahydrofuran
Concen: 2.038 ug/l m
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	19.4	31.6	47.4#
71	28.5	29.4	44.0#

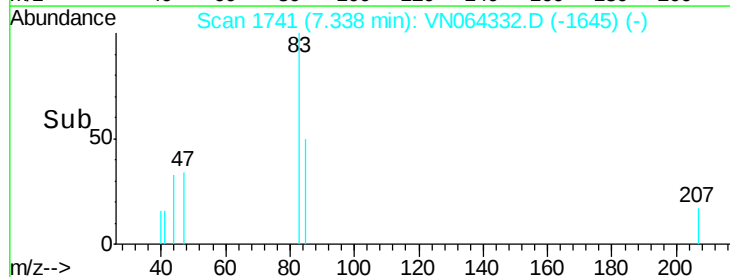
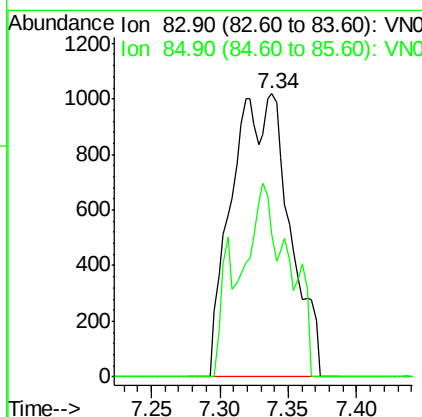
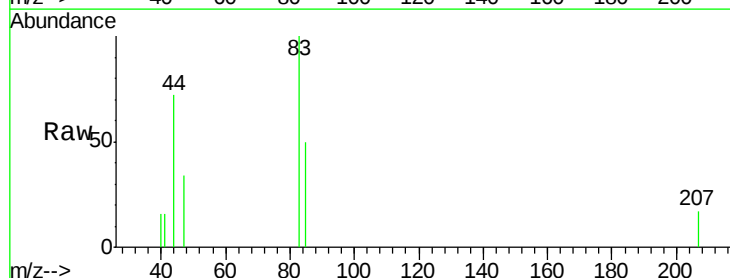
Manual Integrations
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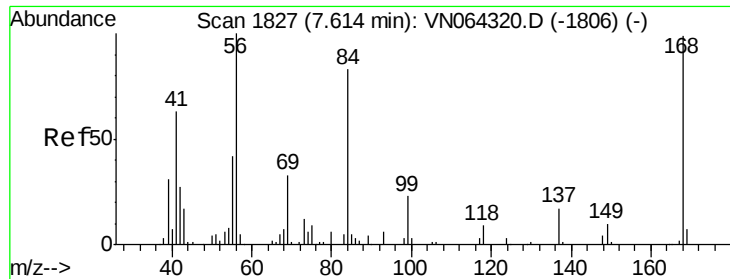
MMDadoda
10/28/2020 11:46:19 AM



#30
Chloroform
Concen: 0.537 ug/l m
RT: 7.34 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.5	51.1	76.7#





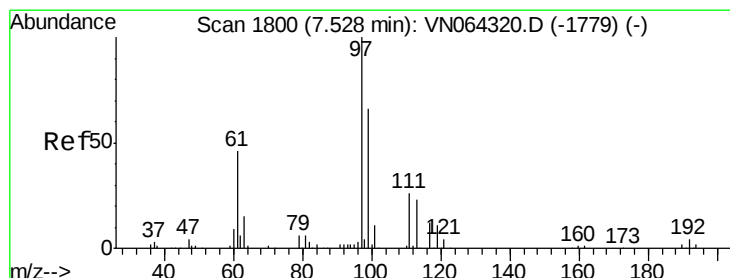
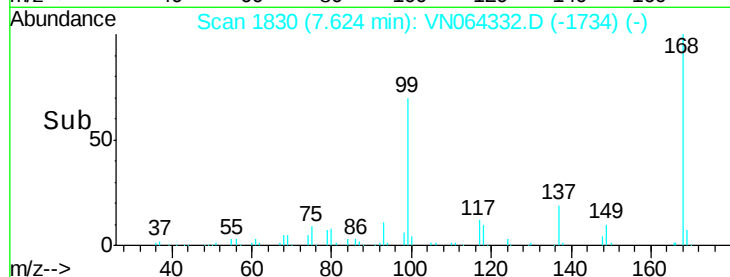
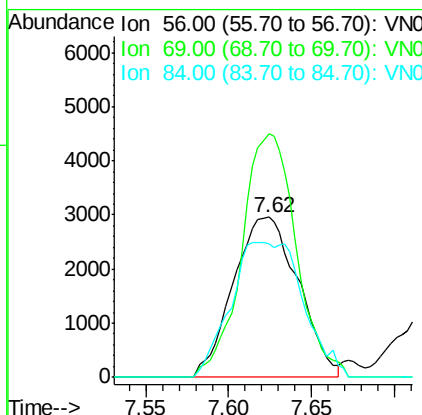
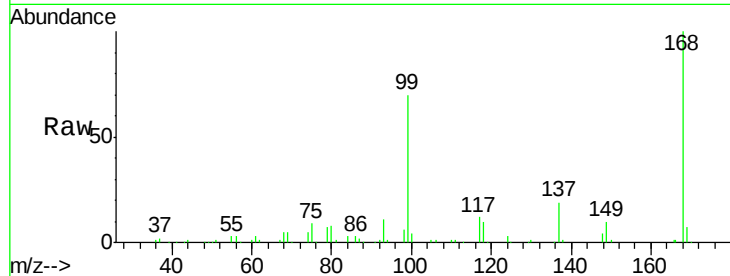
#31
Cyclohexane
Concen: 1.779 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	152.1	25.8	38.8#
84	83.6	66.3	99.5

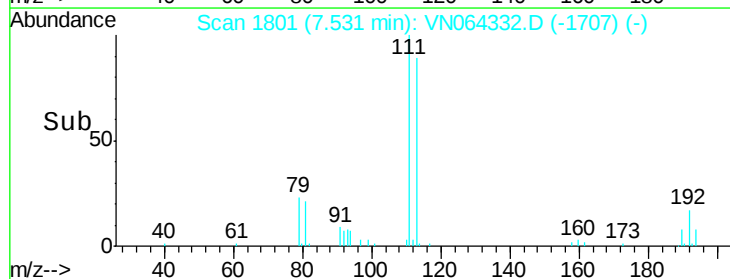
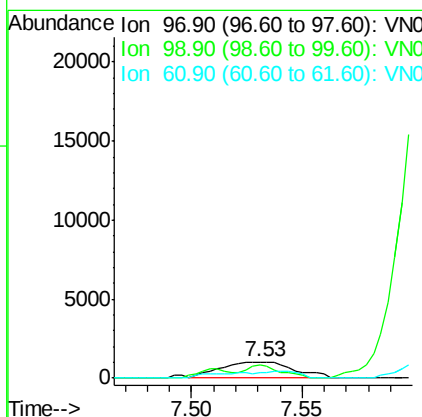
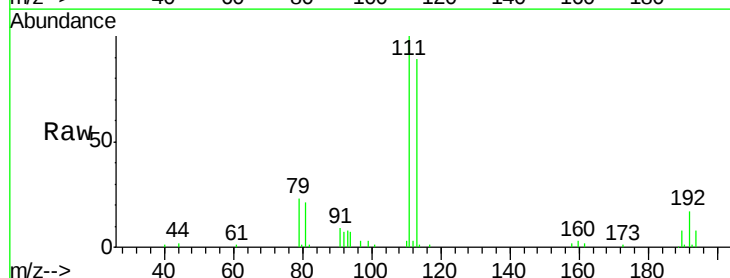
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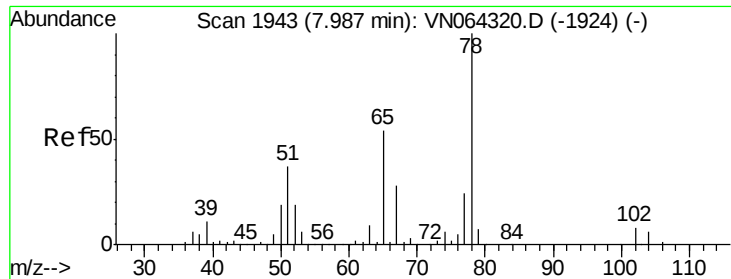
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#32
1,1,1-Trichloroethane
Concen: 0.448 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	18.2	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 50.511 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 65 Resp: 197733

Ion Ratio Lower Upper

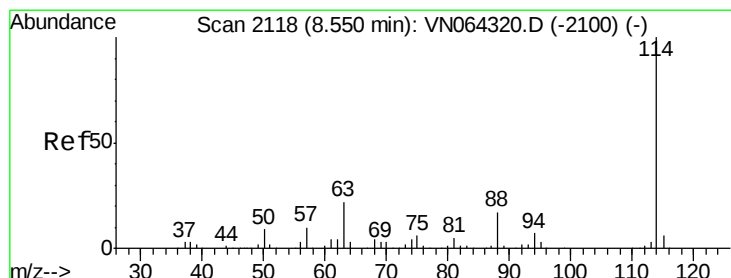
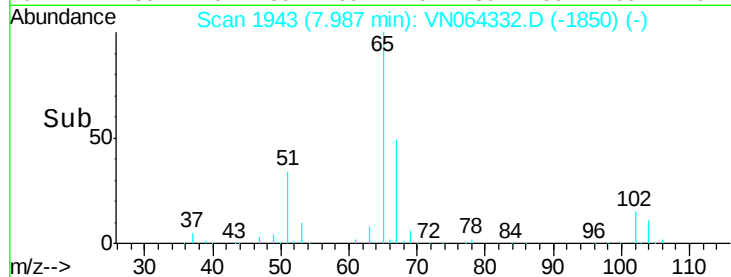
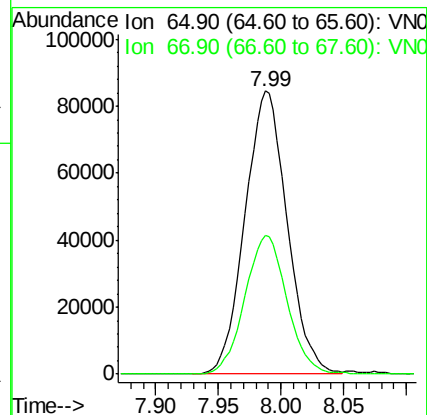
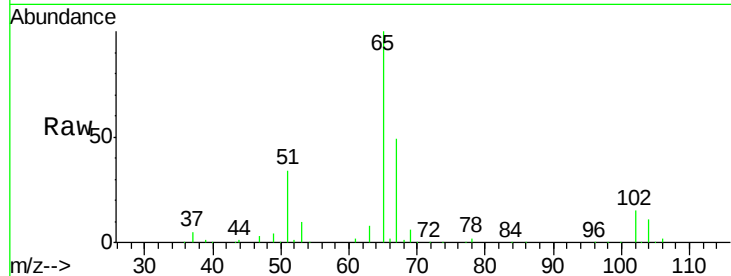
65 100

67 48.9 0.0 99.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

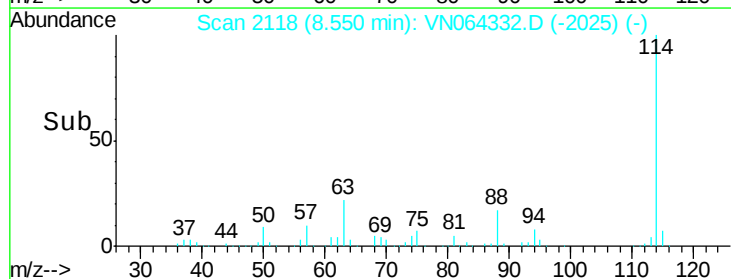
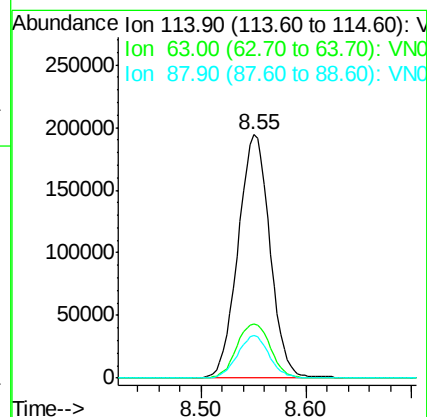
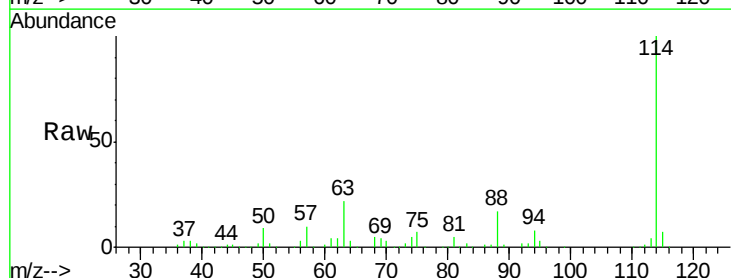
Tgt Ion: 114 Resp: 407699

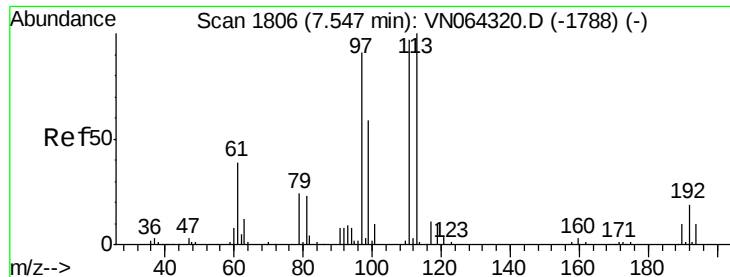
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 17.3 0.0 33.4





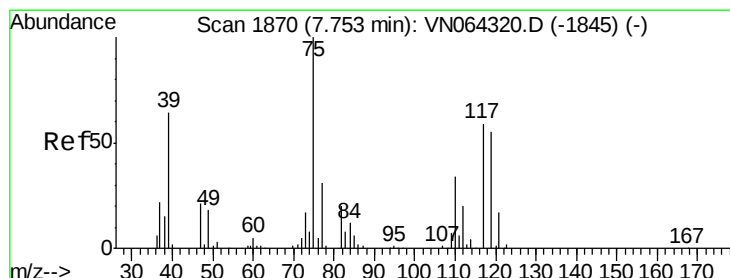
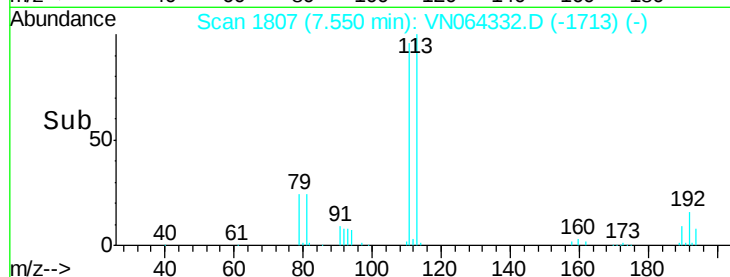
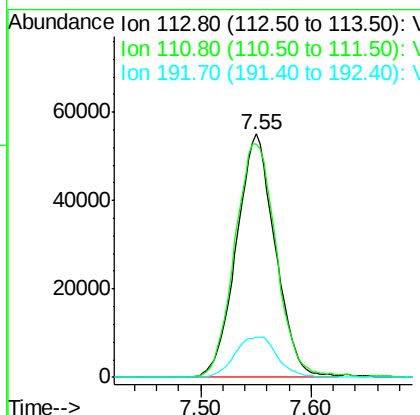
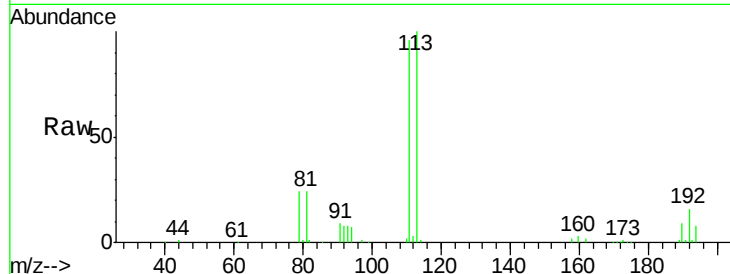
#35
 Dibromofluoromethane
 Concen: 49.360 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	18.1	15.0	22.4

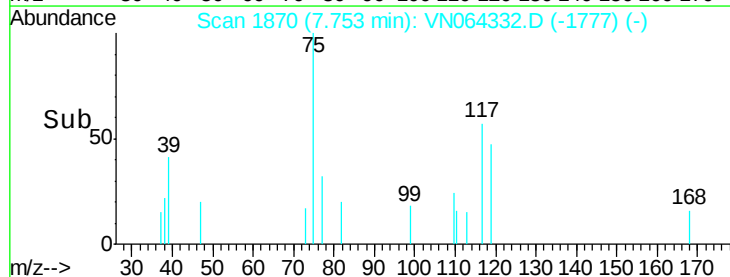
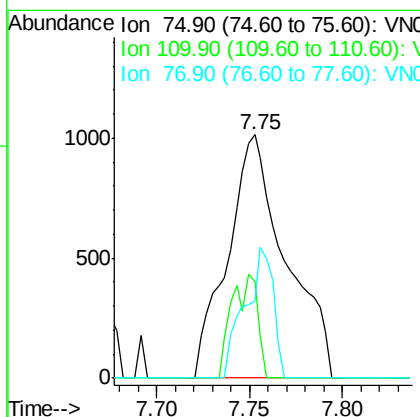
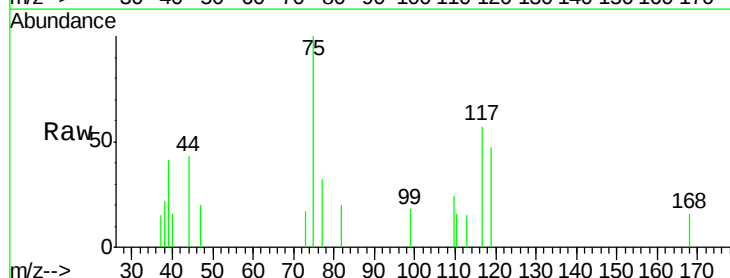
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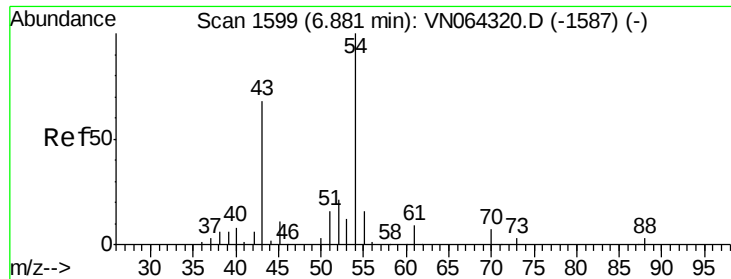
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#36
 1,1-Dichloropropene
 Concen: 0.537 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	18.9	16.8	50.3
77	26.0	24.2	36.4





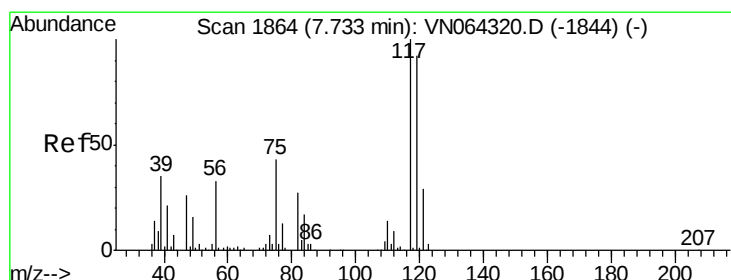
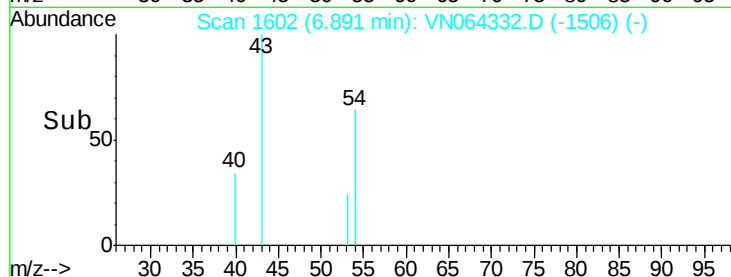
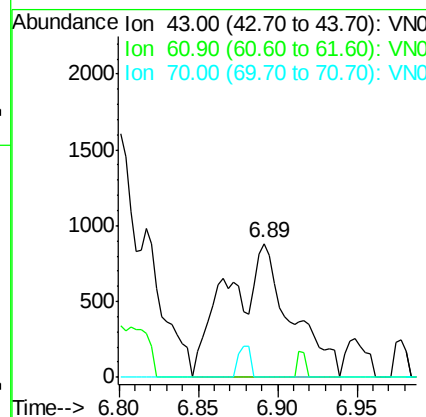
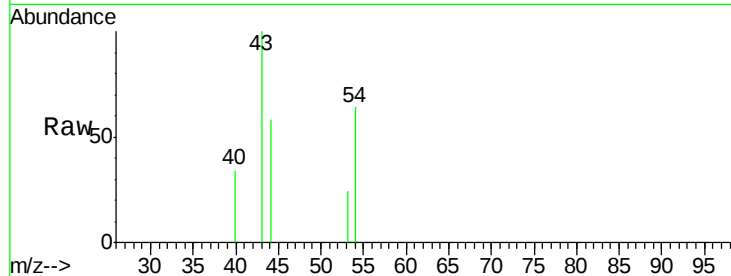
#37
Ethyl Acetate
Concen: 0.585 ug/l m
RT: 6.89 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 4.4 7.1 10.7#

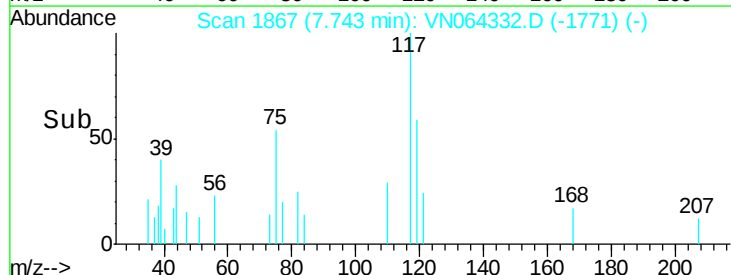
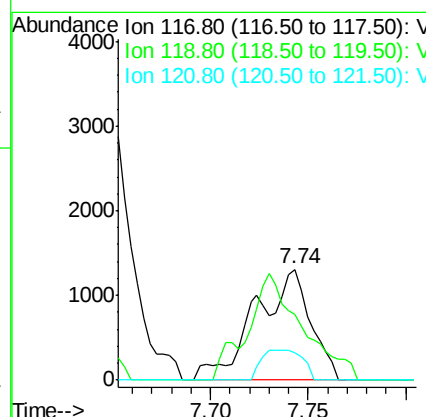
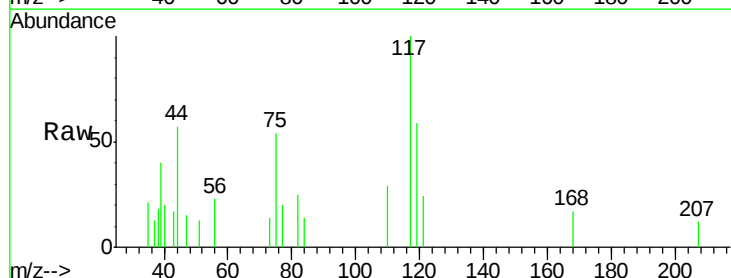
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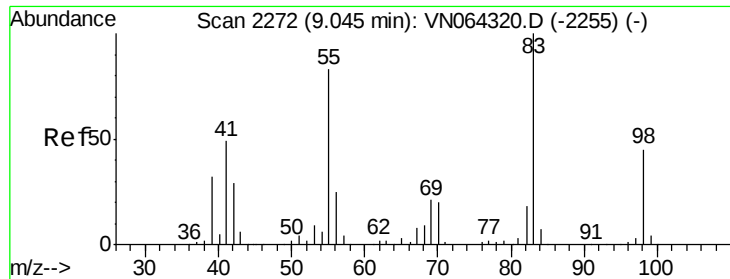
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#38
Carbon Tetrachloride
Concen: 0.541 ug/l m
RT: 7.74 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 117 Resp: 2581
Ion Ratio Lower Upper
117 100
119 58.8 73.7 110.5#
121 24.2 22.8 34.2





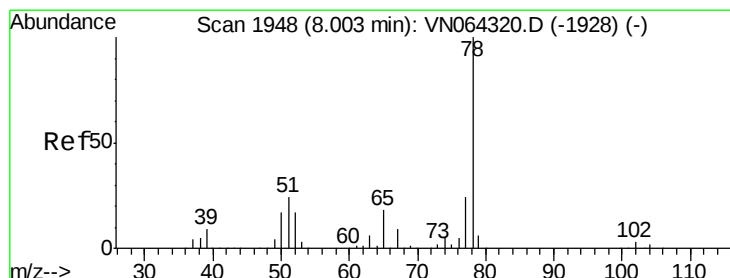
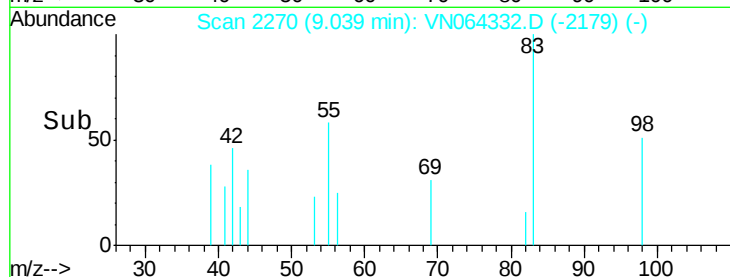
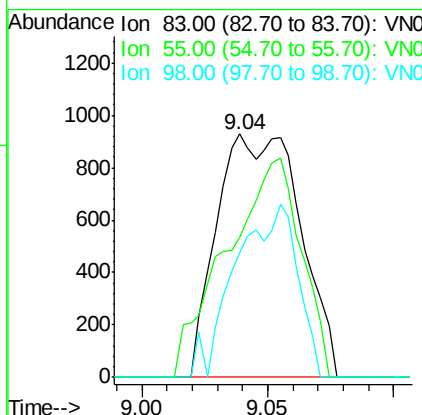
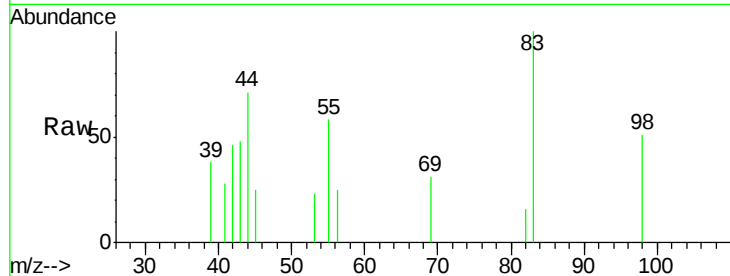
#39
Methvlcvclohexane
Concen: 0.521 ug/l m
RT: 9.04 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	57.6	66.2	99.4#
98	50.9	36.0	54.0

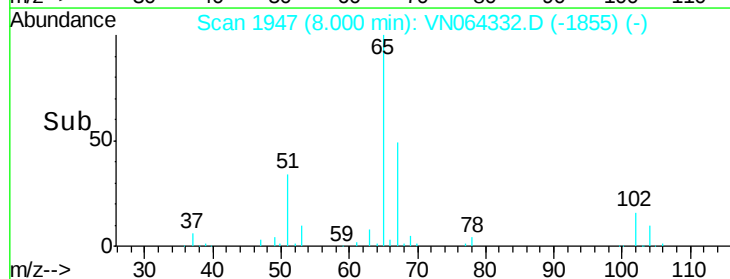
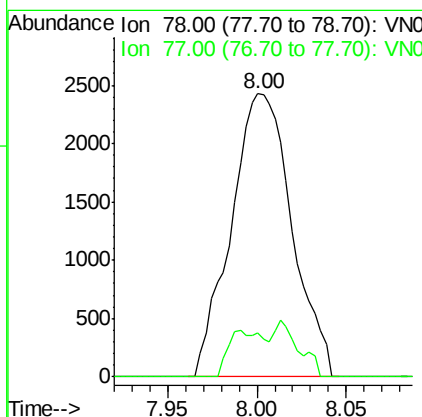
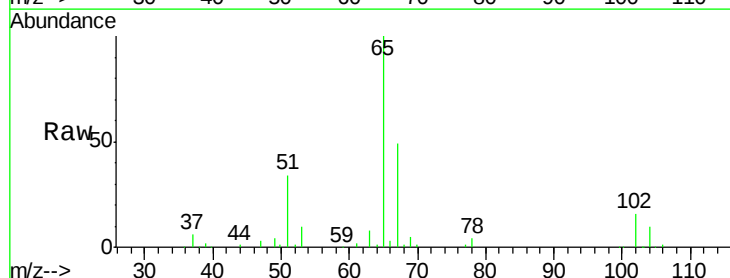
Manual Integrations
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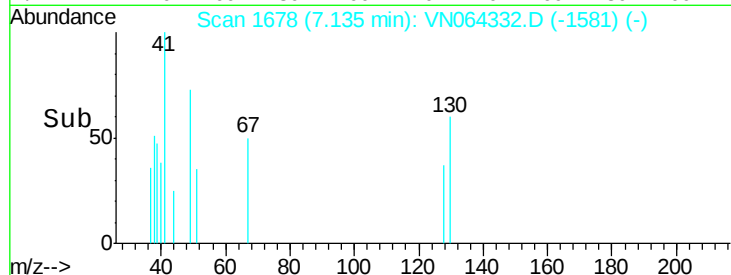
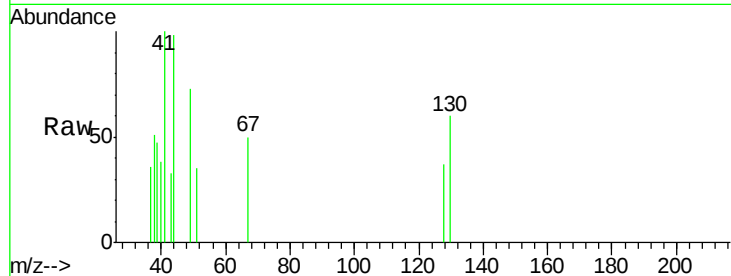
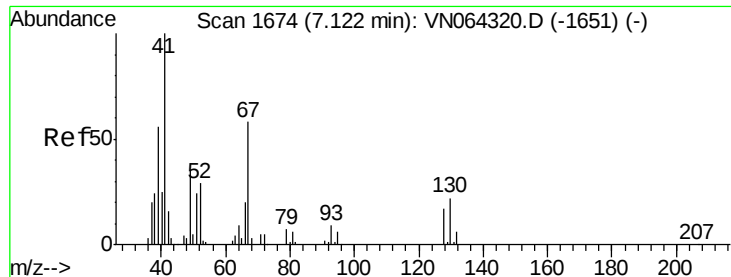
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#40
Benzene
Concen: 0.503 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	15.5	18.8	28.2#





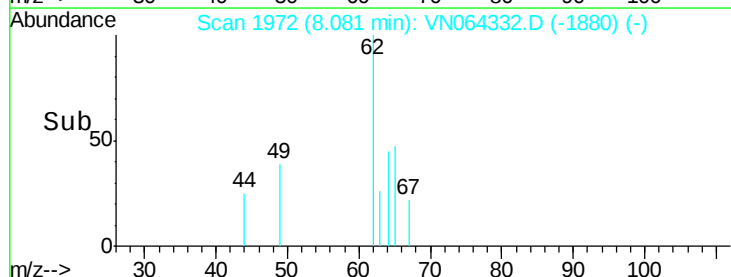
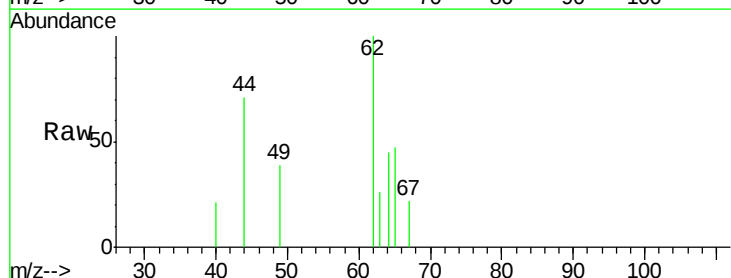
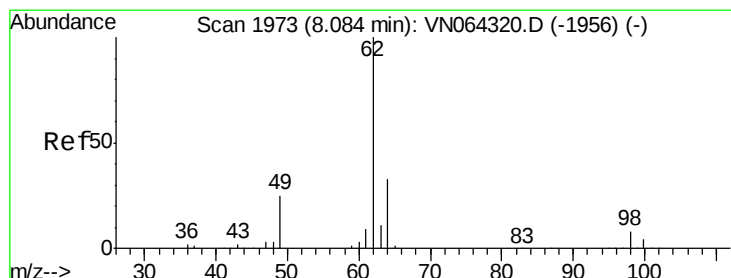
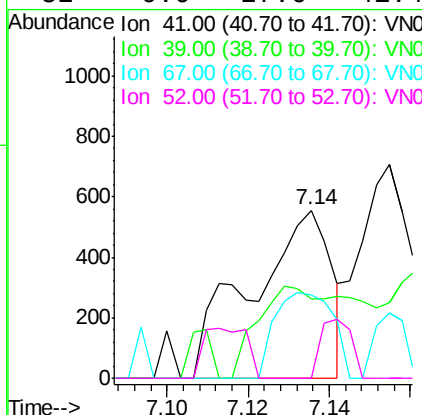
#41
Methacrylonitrile
Concen: 0.368 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.7	48.6	72.8#
67	36.8	61.4	92.2#
52	0.0	27.6	41.4#

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

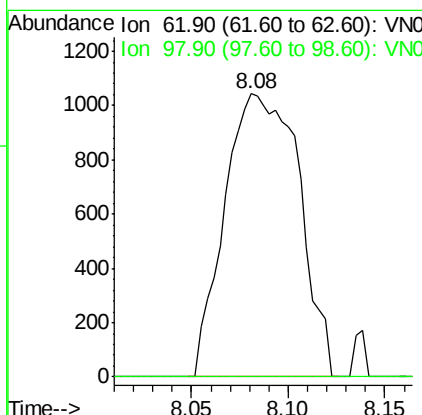
Manual Integrations
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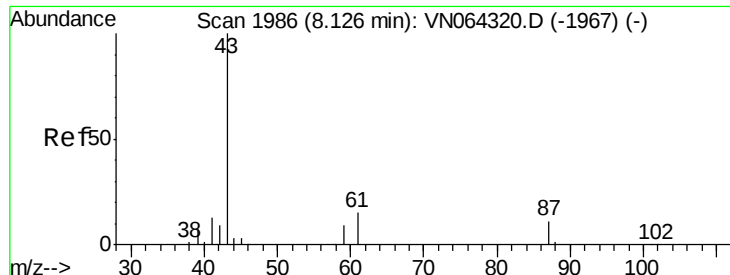
MMDadoda
10/28/2020 11:46:19 AM



#42
1,2-Dichloroethane
Concen: 0.563 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	14.2





#43

Isopropyl Acetate

Concen: 0.510 ug/l m

RT: 8.12 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

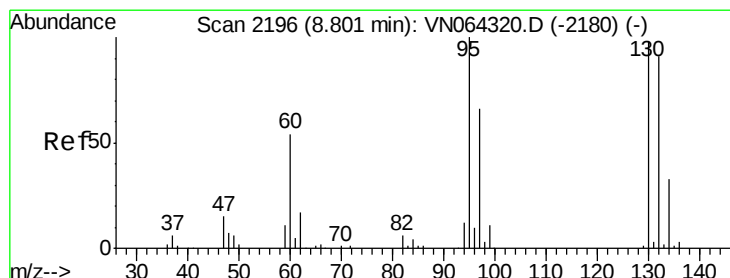
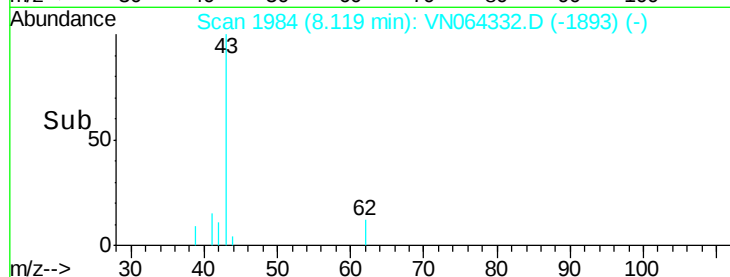
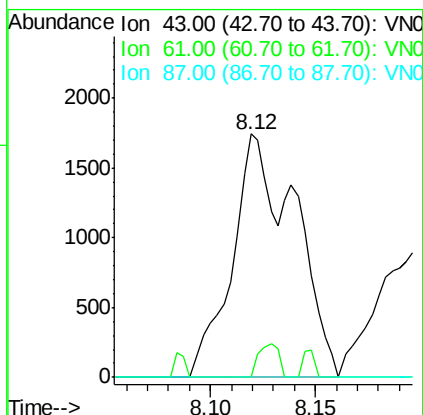
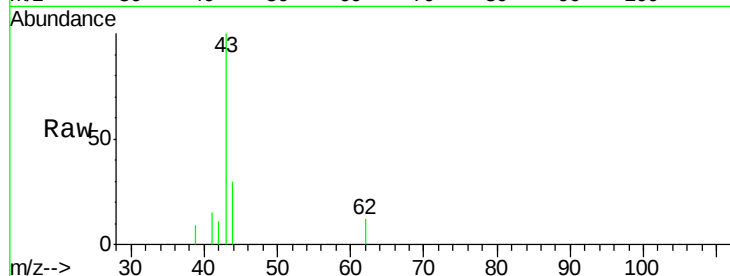
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	43	Resp:	3624
Ion	Ratio	Lower	Upper
43	100		
61	4.4	19.1	28.7#
87	0.0	9.3	13.9#

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#44

Trichloroethene

Concen: 0.389 ug/l

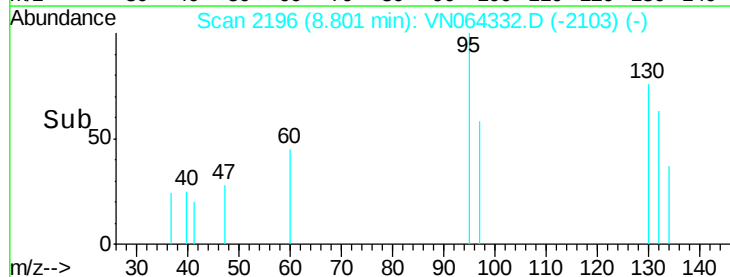
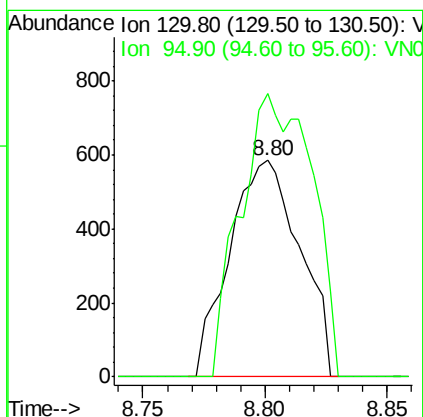
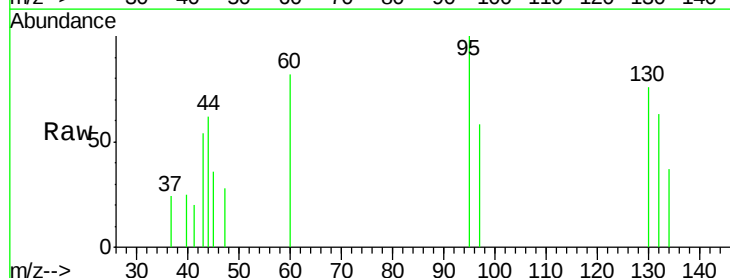
RT: 8.80 min Scan# 2196

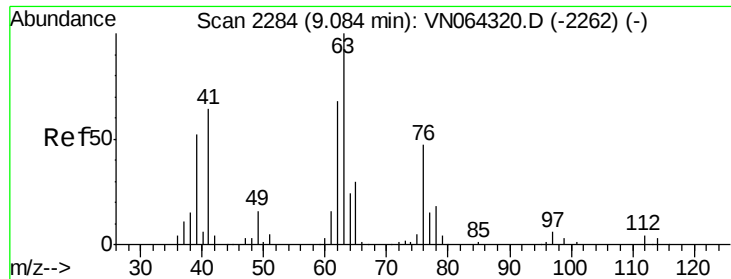
Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	130	Resp:	1168
Ion	Ratio	Lower	Upper
130	100		
95	130.8	0.0	203.6





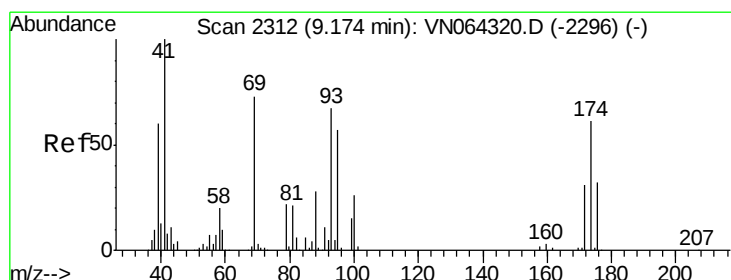
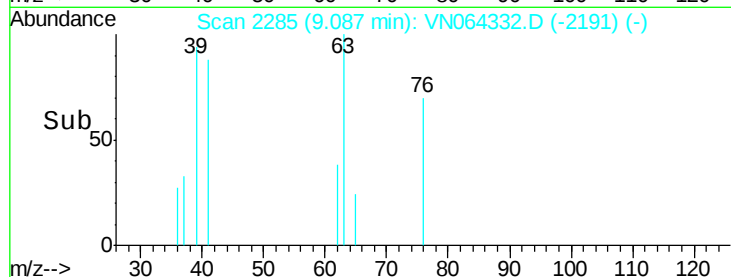
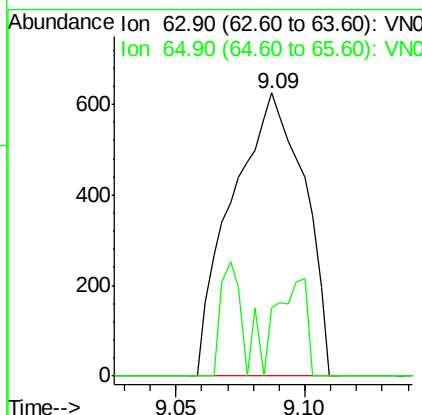
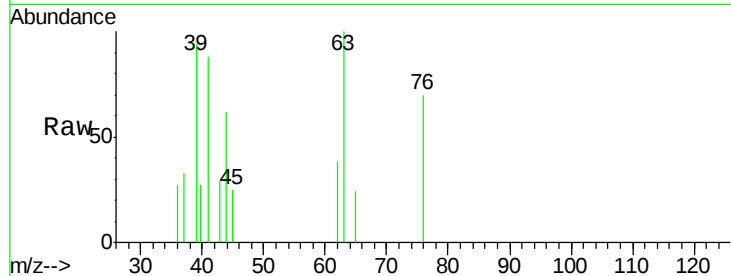
#45
 1,2-Dichloropropane
 Concen: 0.397 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion: 63 Resp: 1219
 Ion Ratio Lower Upper
 63 100
 65 24.2 24.3 36.5#

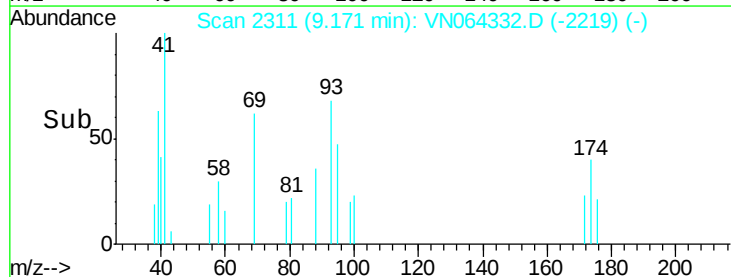
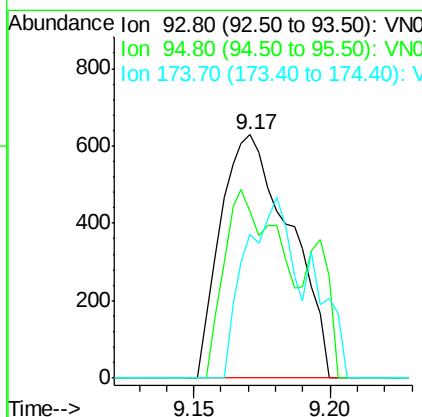
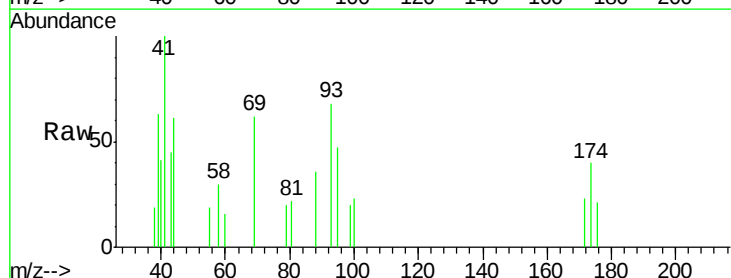
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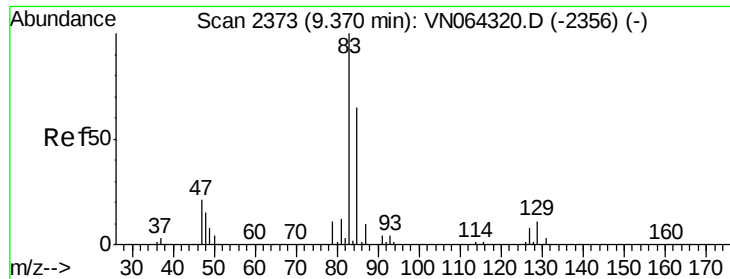
MMDadoda
 10/28/2020 11:46:19 AM



#46
 Dibromomethane
 Concen: 0.518 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion: 93 Resp: 1112
 Ion Ratio Lower Upper
 93 100
 95 61.2 64.4 96.6#
 174 51.1 71.4 107.0#





#47

Bromodichloromethane

Concen: 0.425 ug/l

RT: 9.38 min Scan# 2376

Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

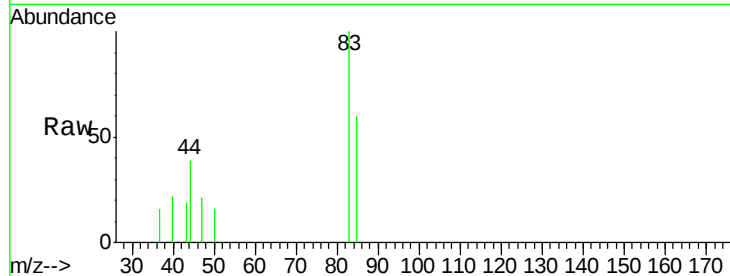
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	83	Resp:	2022
Ion	Ratio	Lower	Upper
83	100		
85	60.0	52.1	78.1
127	0.0	6.7	10.1#

Manual Integrations
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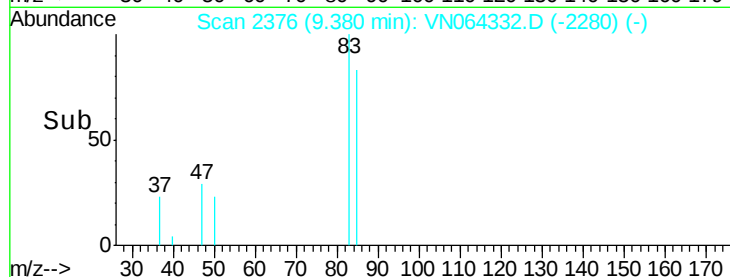


Abundance Ion 82.90 (82.60 to 83.60): VN064332.D (-2356) (-)

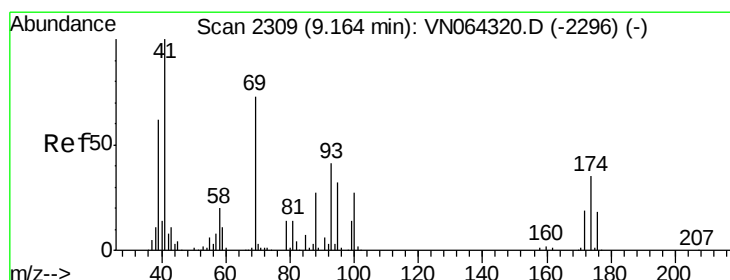
Ion 84.90 (84.60 to 85.60): VN064332.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064332.D (-2356) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 0.604 ug/l

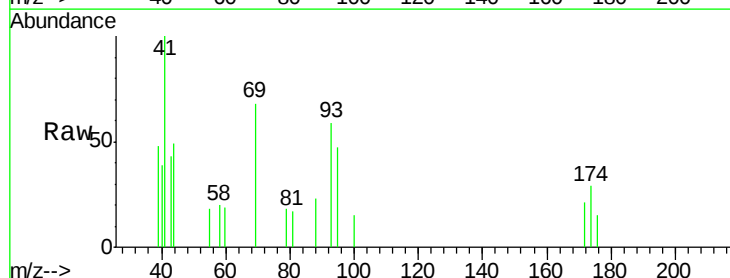
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	41	Resp:	2213
Ion	Ratio	Lower	Upper
41	100		
69	51.3	59.1	88.7#
39	48.5	51.3	76.9#

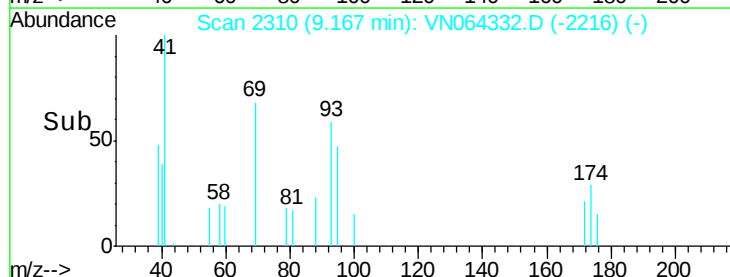


Abundance Ion 41.00 (40.70 to 41.70): VN064332.D (-2216) (-)

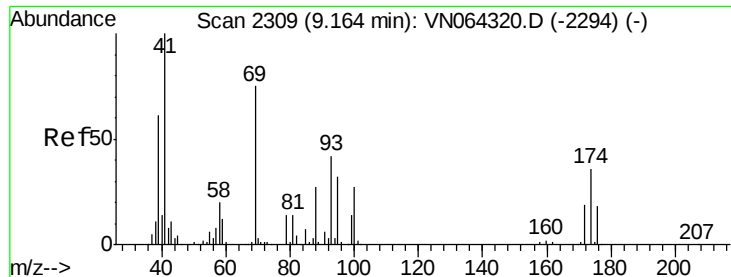
Ion 69.00 (68.70 to 69.70): VN064332.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064332.D (-2216) (-)

Time-->



Time-->



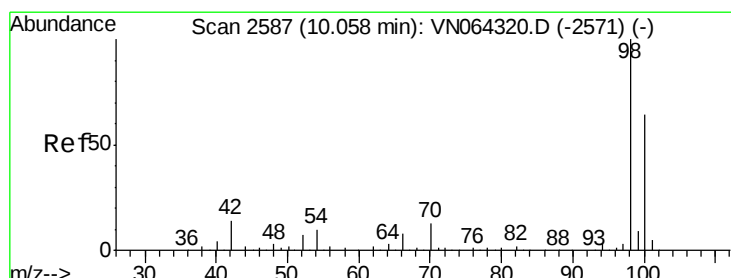
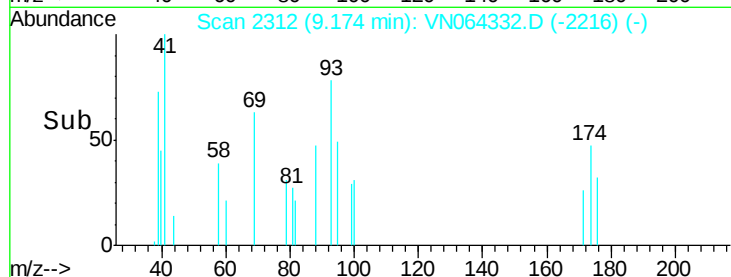
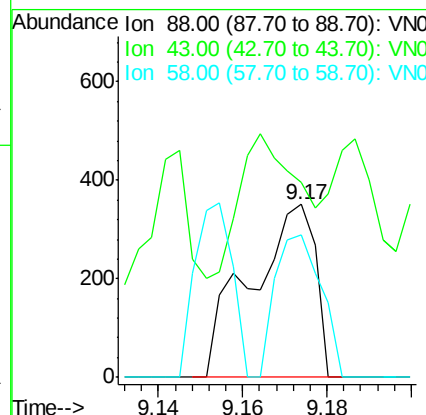
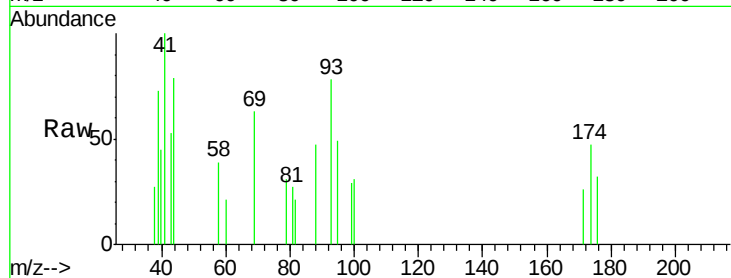
#49
1,4-Dioxane
Concen: 6.867 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	95.4	31.8	47.8#
58	58.8	60.3	90.5#

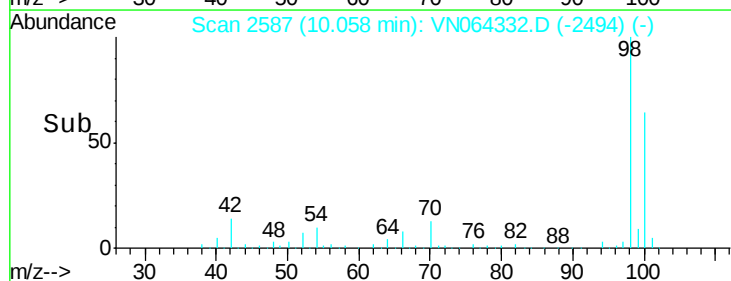
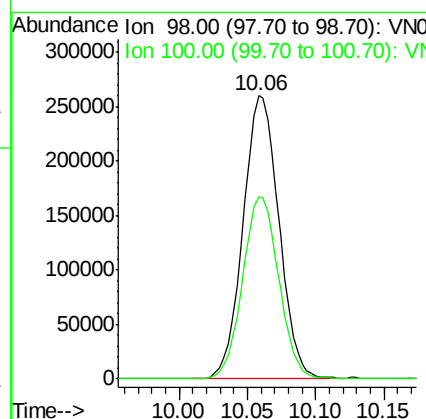
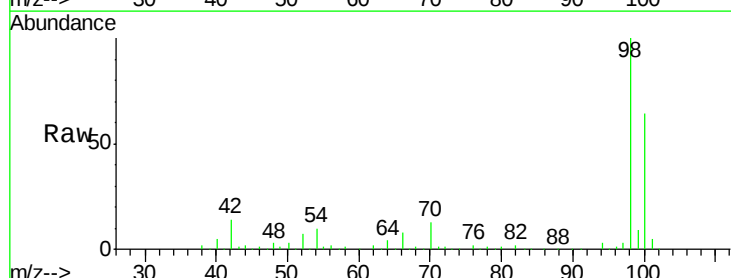
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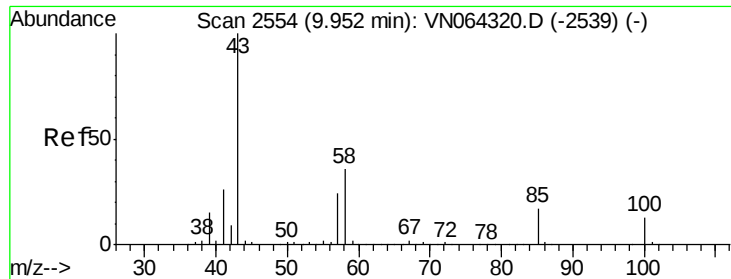
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#50
Toluene-d8
Concen: 47.208 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 1.963 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 8105

Ion Ratio Lower Upper

43 100

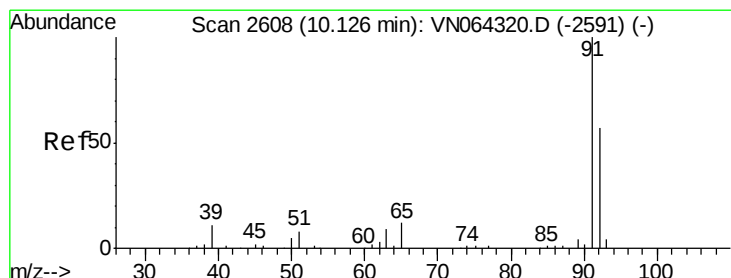
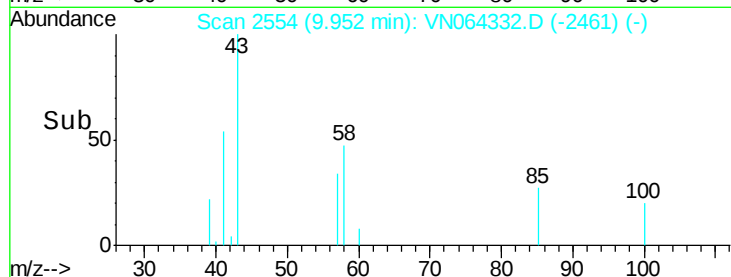
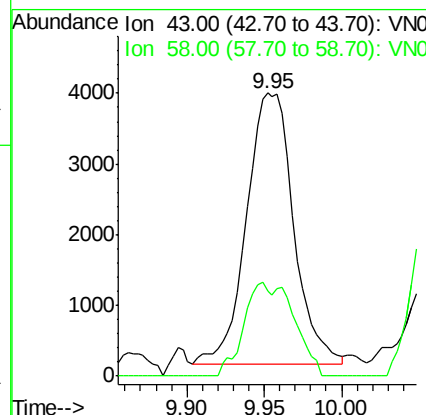
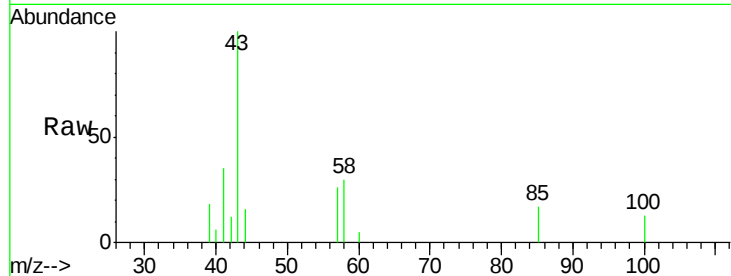
58 20.9 28.6 42.8#

Manual Integrations

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#52

Toluene

Concen: 0.416 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064332.D

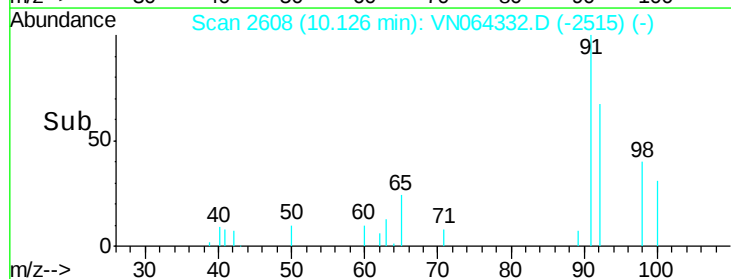
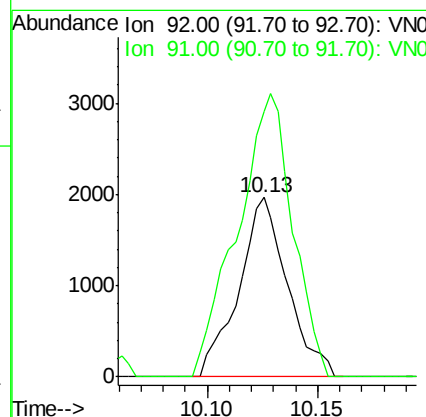
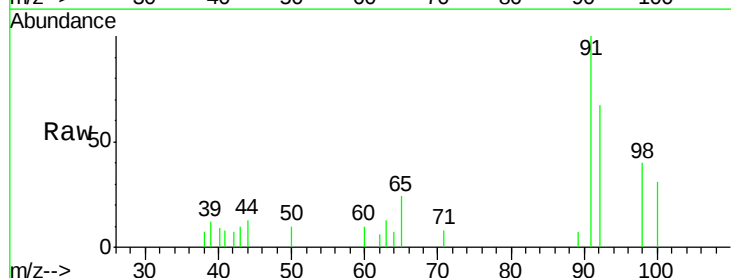
Acq: 27 Oct 2020 17:39

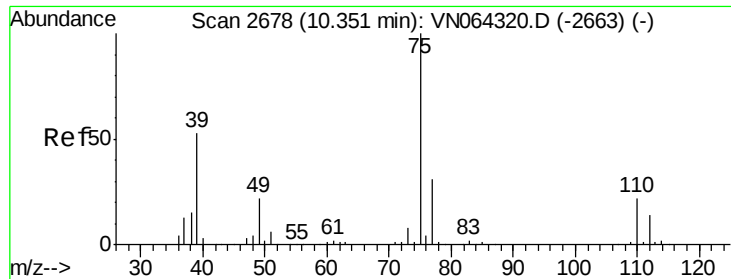
Tgt Ion: 92 Resp: 3005

Ion Ratio Lower Upper

92 100

91 179.5 139.9 209.9





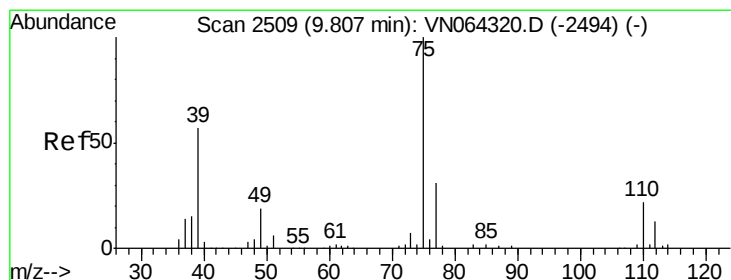
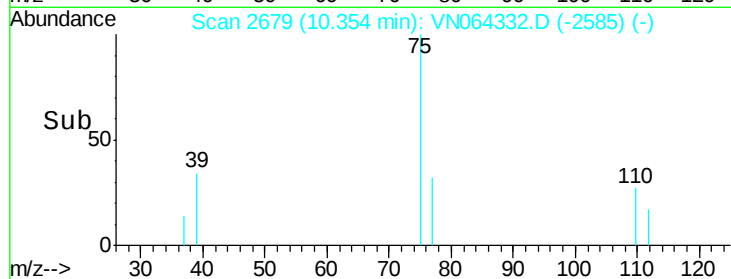
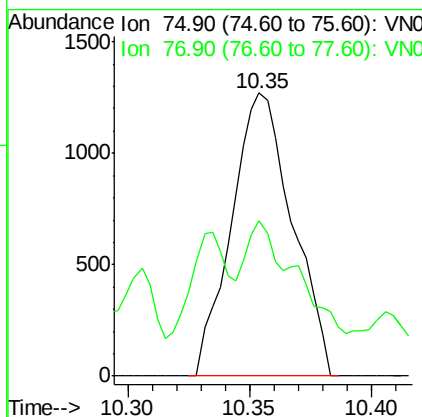
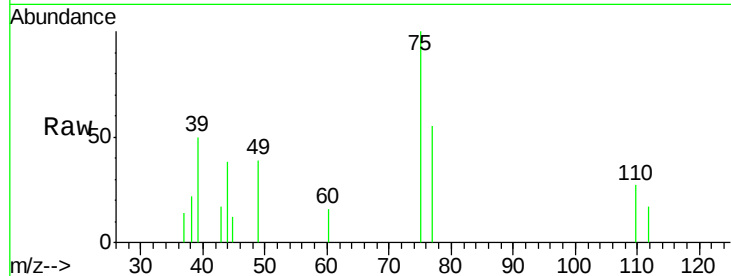
#53
 t-1,3-Dichloropropene
 Concen: 0.436 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion: 75 Resp: 2191
 Ion Ratio Lower Upper
 75 100
 77 37.6 24.8 37.2#

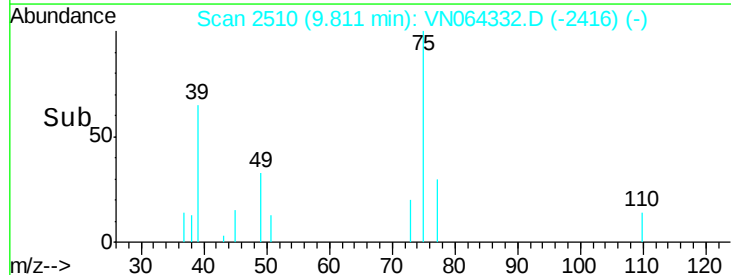
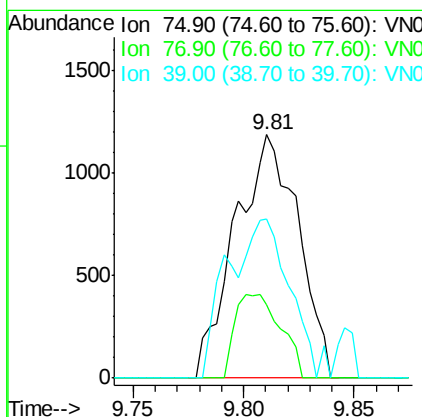
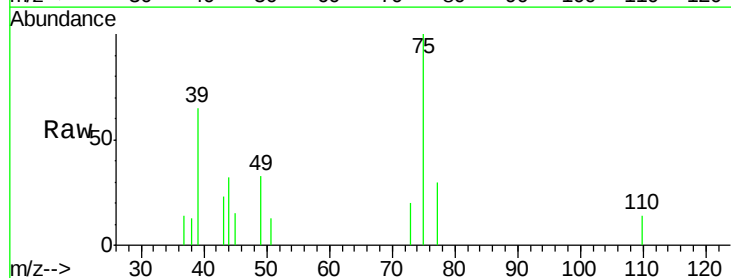
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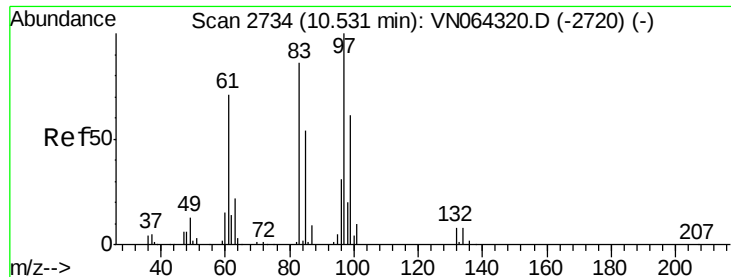
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#54
 cis-1,3-Dichloropropene
 Concen: 0.452 ug/l
 RT: 9.81 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion: 75 Resp: 2340
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.4
 39 65.5 45.5 68.3





#55

1,1,2-Trichloroethane

Concen: 0.487 ug/l

RT: 10.53 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

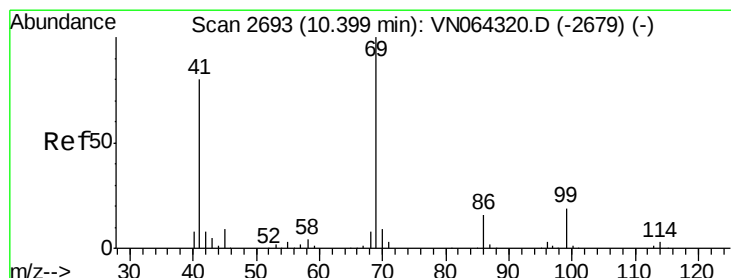
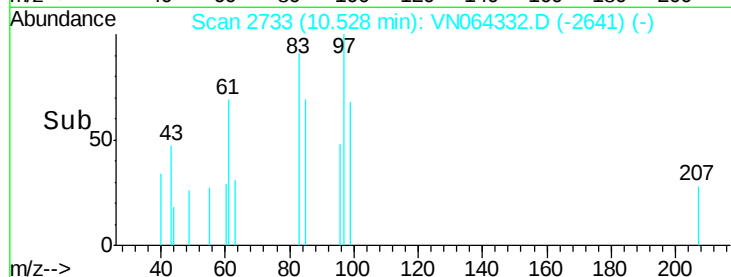
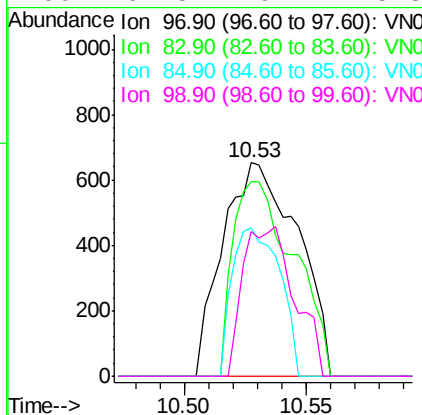
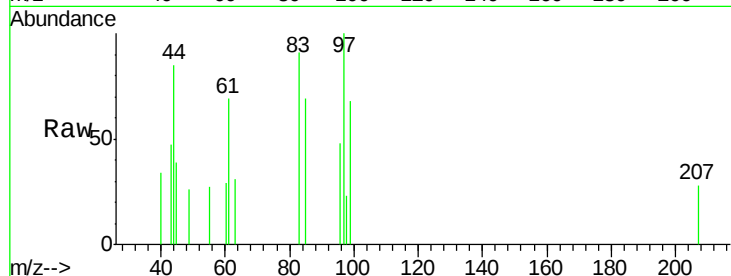
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	97	Resp:	1389
Ion	Ratio	Lower	Upper
97	100		
83	91.0	68.9	103.3
85	69.2	43.6	65.4#
99	67.8	49.2	73.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 0.309 ug/l

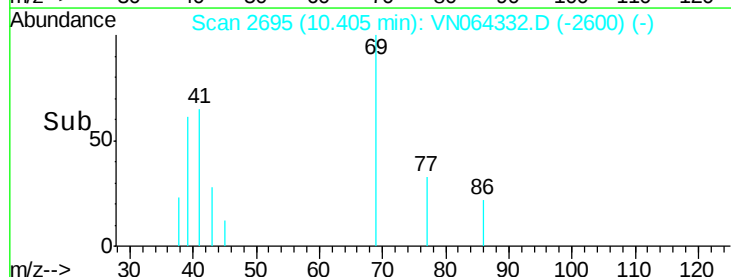
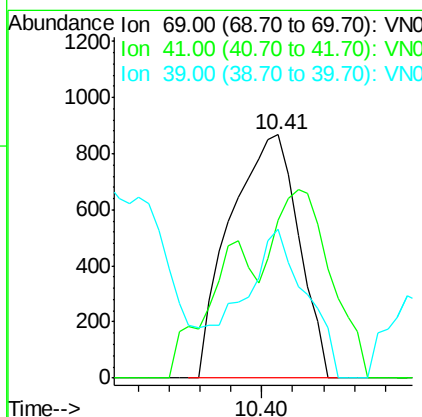
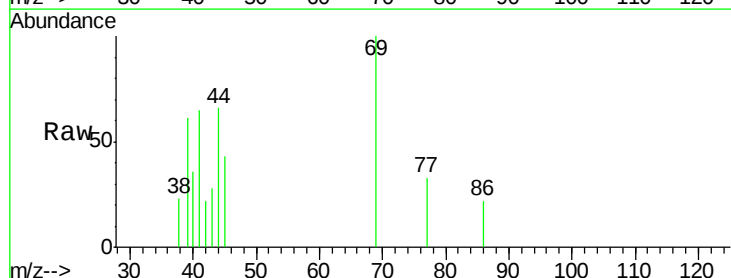
RT: 10.41 min Scan# 2695

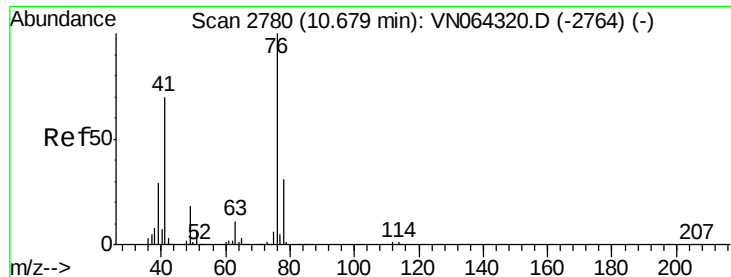
Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	69	Resp:	1333
Ion	Ratio	Lower	Upper
69	100		
41	66.0	61.4	92.2
39	55.7	36.5	54.7#





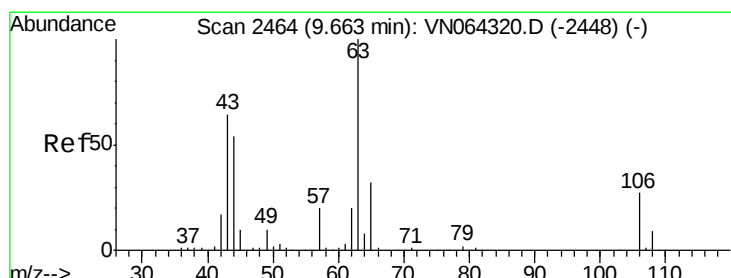
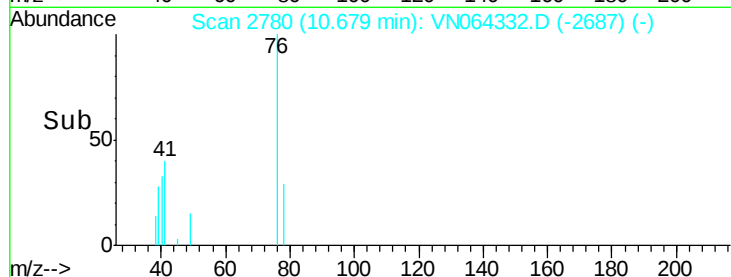
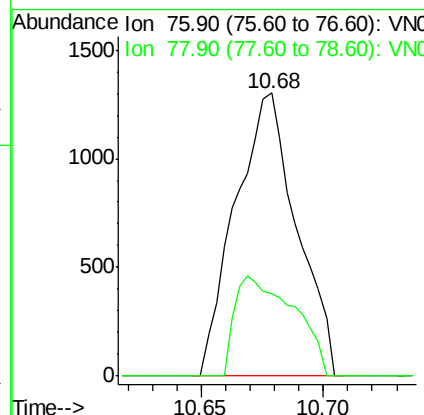
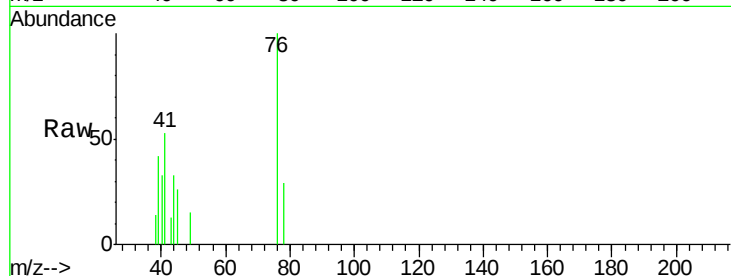
#57
 1,3-Dichloropropane
 Concen: 0.467 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion: 76 Resp: 2272
 Ion Ratio Lower Upper
 76 100
 78 34.2 25.8 38.6

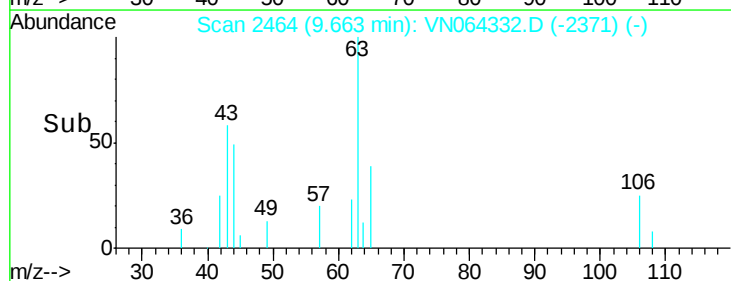
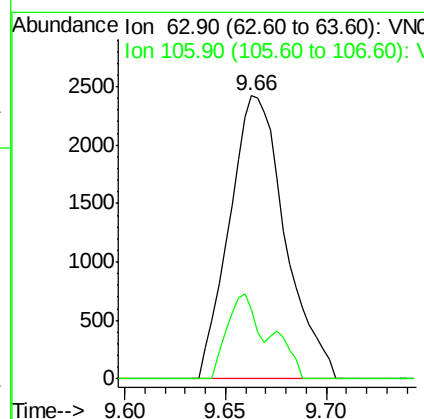
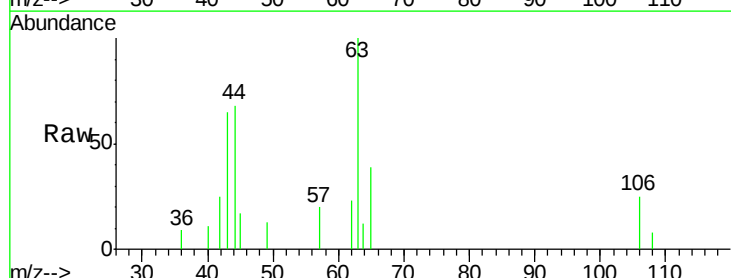
Manual Integrations
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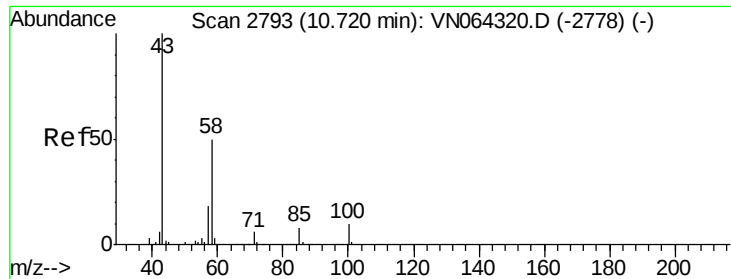
MMDadoda
 10/28/2020 11:46:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.978 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion: 63 Resp: 4662
 Ion Ratio Lower Upper
 63 100
 106 16.3 21.0 31.4#





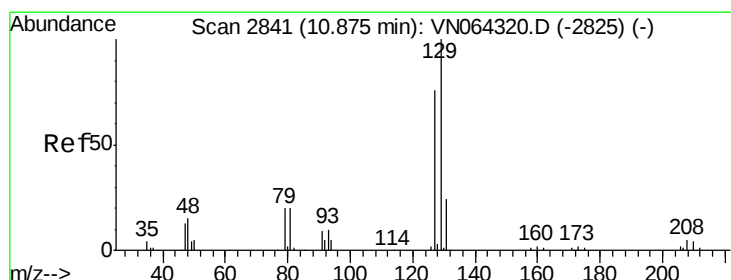
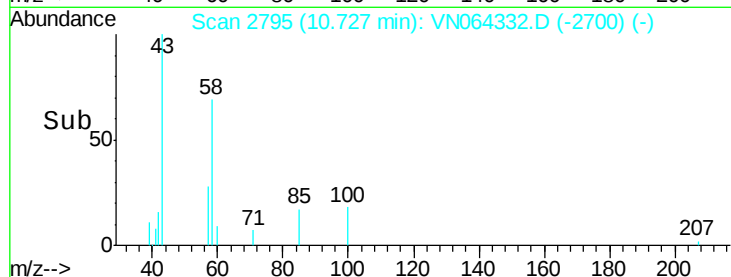
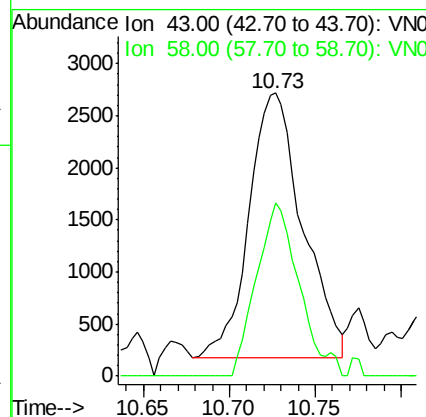
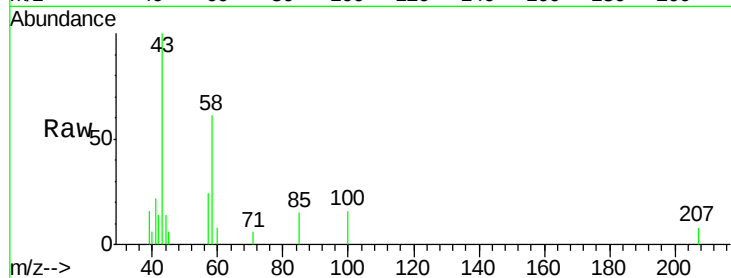
#59
2-Hexanone
Concen: 1.815 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 43 Resp: 5520
Ion Ratio Lower Upper
43 100
58 51.8 25.0 75.0

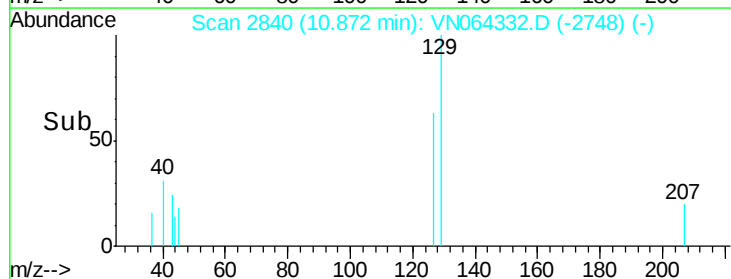
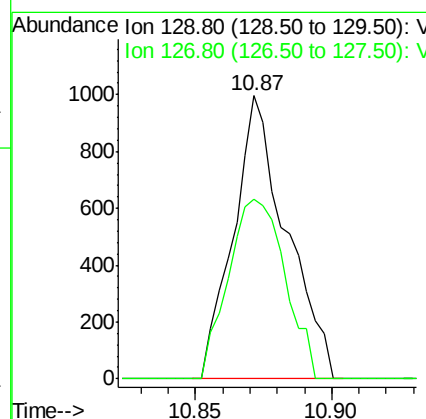
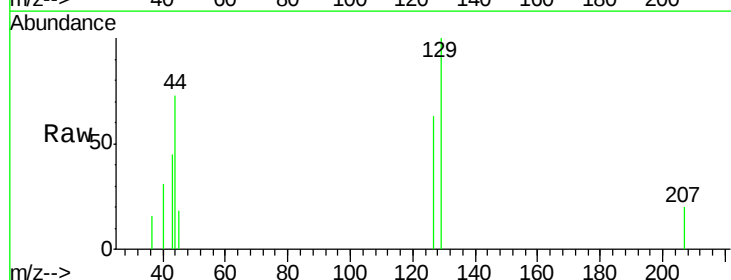
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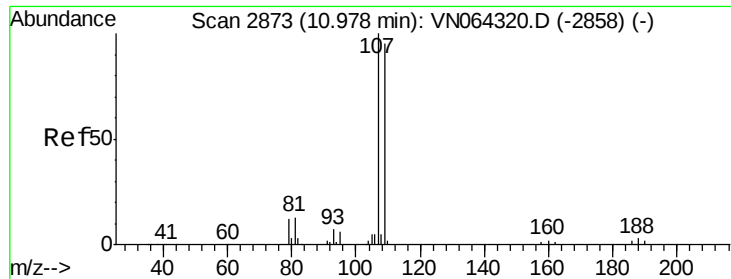
MMDadoda
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#60
Dibromochloromethane
Concen: 0.398 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 129 Resp: 1342
Ion Ratio Lower Upper
129 100
127 68.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 0.358 ug/l

RT: 10.98 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 107 Resp: 1040

Ion Ratio Lower Upper

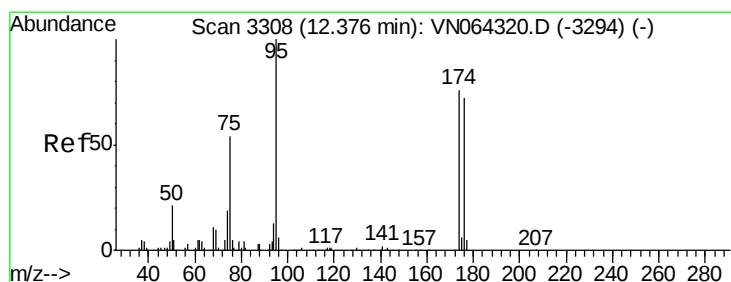
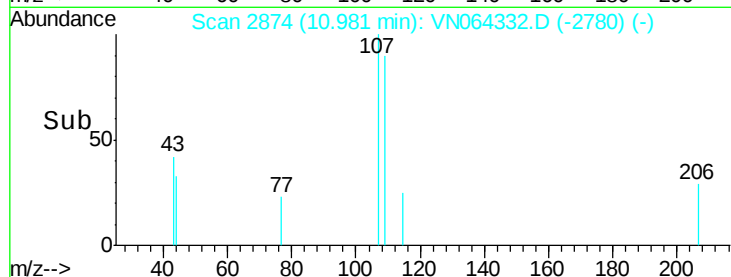
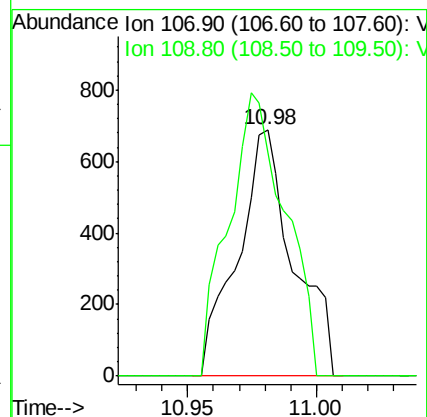
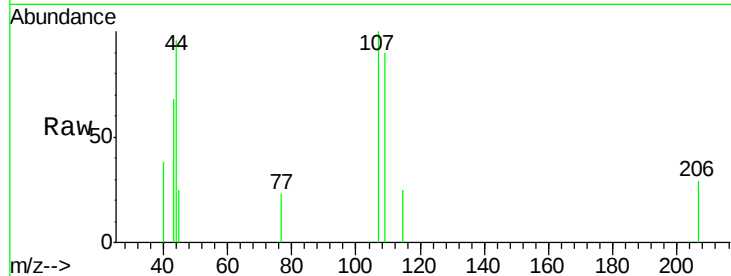
107 100

109 116.4 75.8 113.8#

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#62

4-Bromofluorobenzene

Concen: 44.634 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

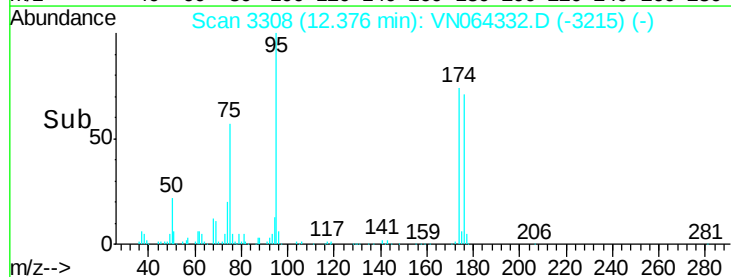
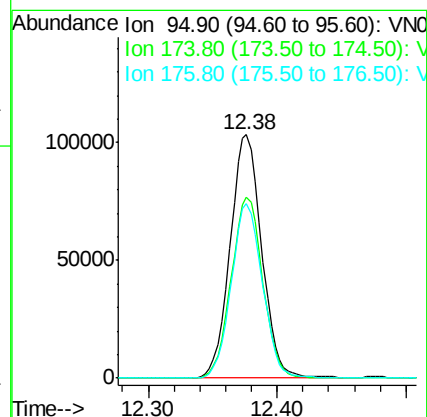
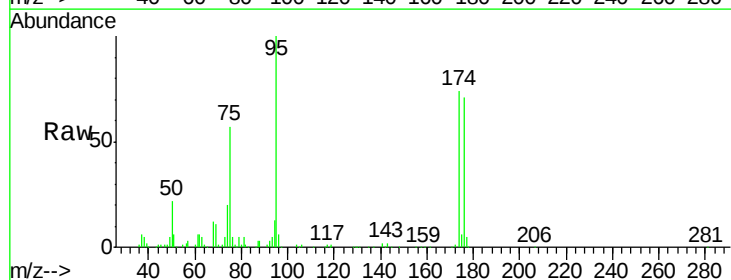
Tgt Ion: 95 Resp: 175011

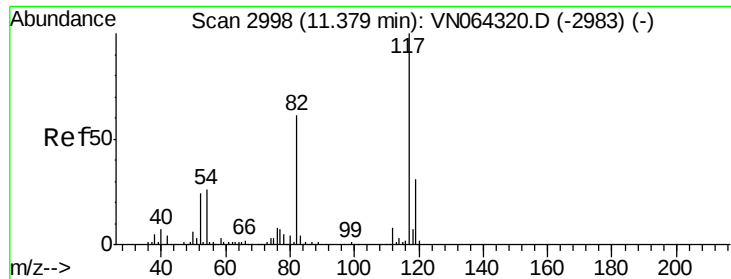
Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.4

176 70.9 0.0 143.6





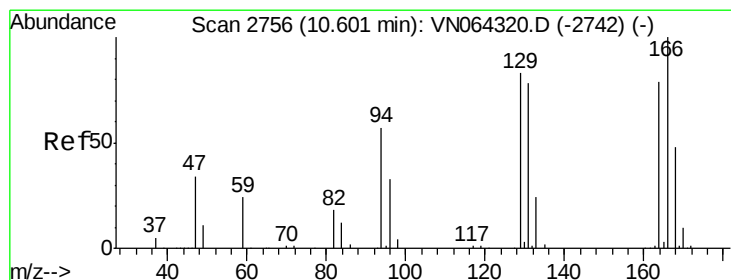
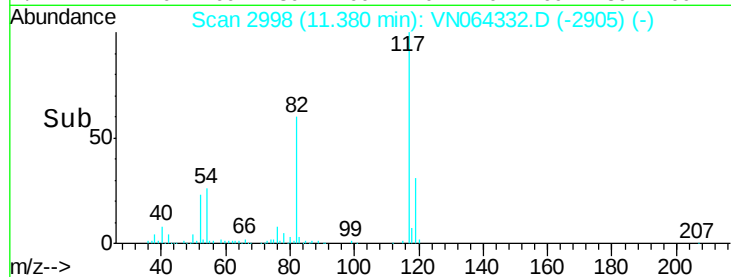
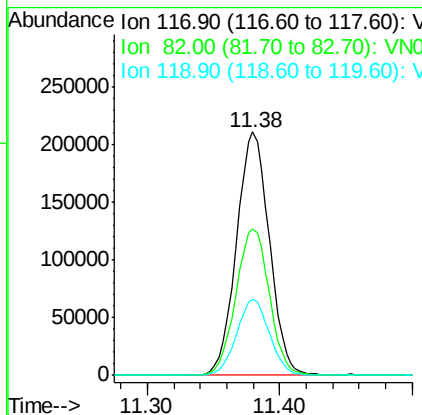
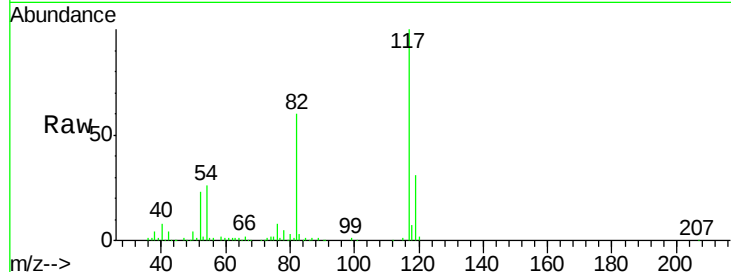
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	363663		
82	60.4	48.8	73.2	
119	31.3	25.1	37.7	

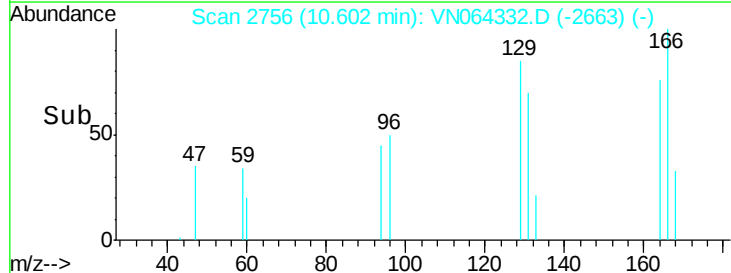
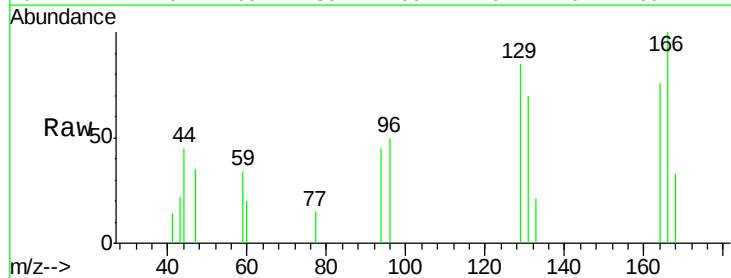
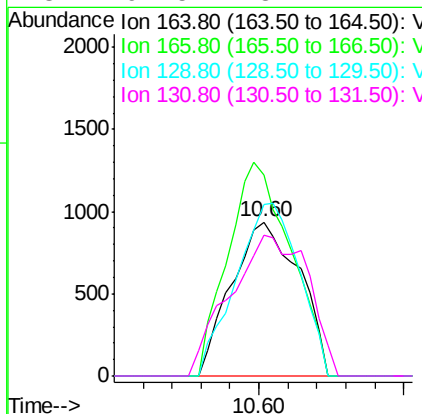
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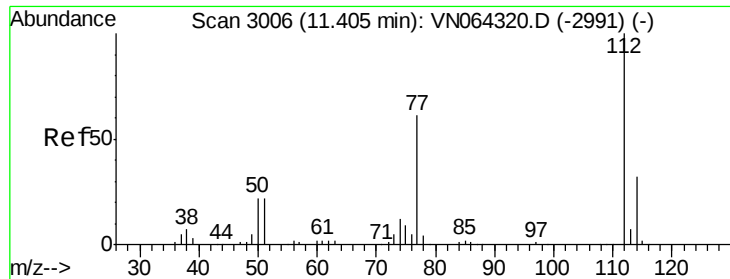
MMDadoda
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#64
Tetrachloroethene
Concen: 0.508 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1517		
166	130.9	100.7	151.1	
129	111.9	83.7	125.5	
131	91.5	78.2	117.2	





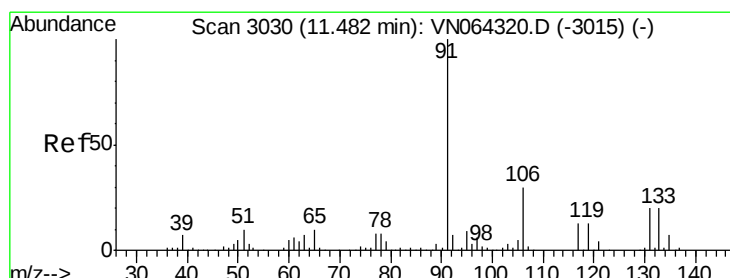
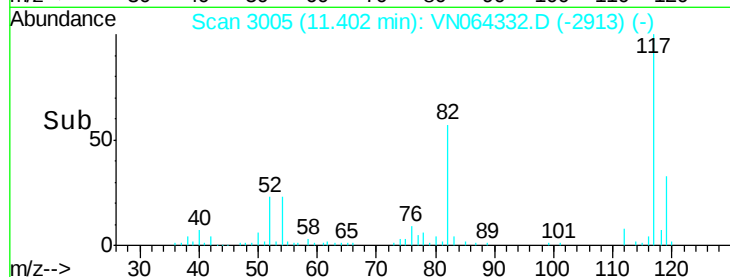
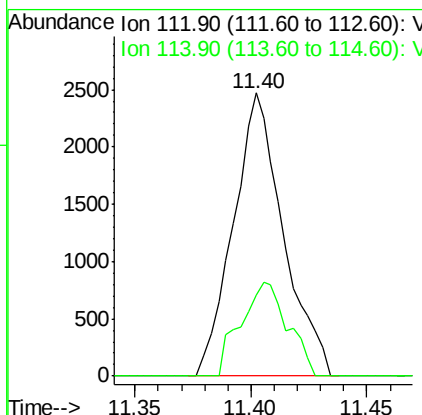
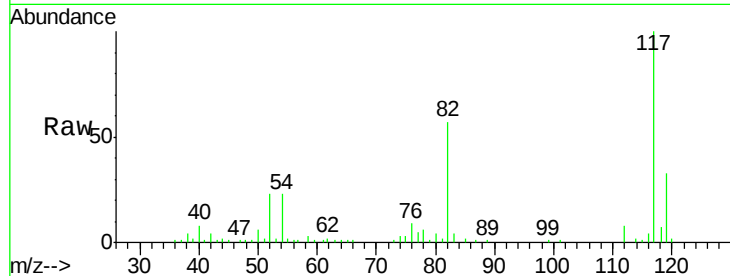
#65
Chlorobenzene
Concen: 0.502 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion:112 Resp: 3698
Ion Ratio Lower Upper
112 100
114 28.6 25.4 38.0

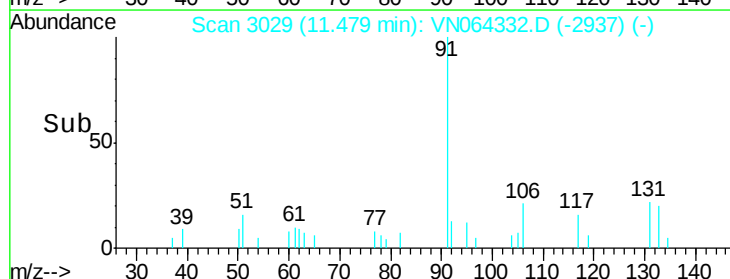
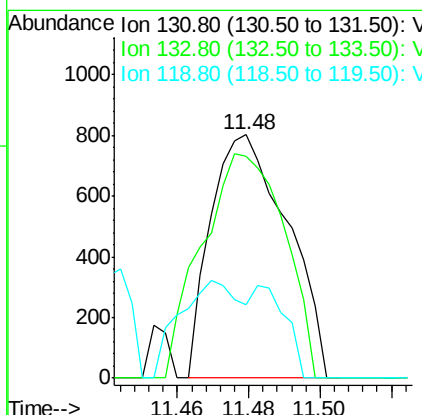
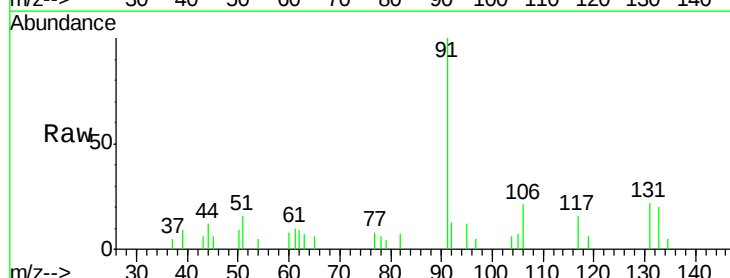
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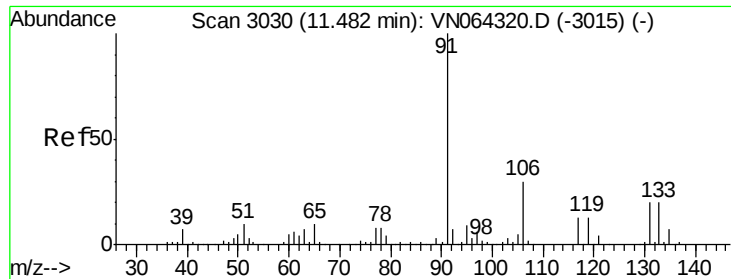
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.399 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion:131 Resp: 1190
Ion Ratio Lower Upper
131 100
133 99.2 49.3 147.8
119 0.0 32.3 96.9#





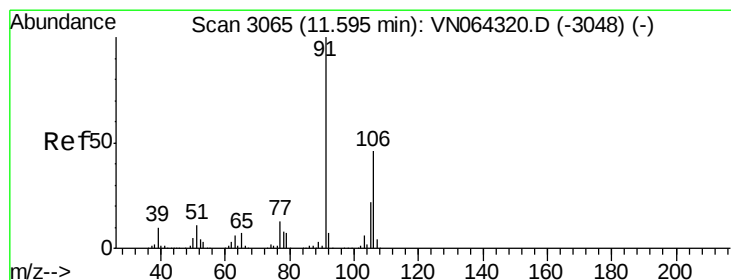
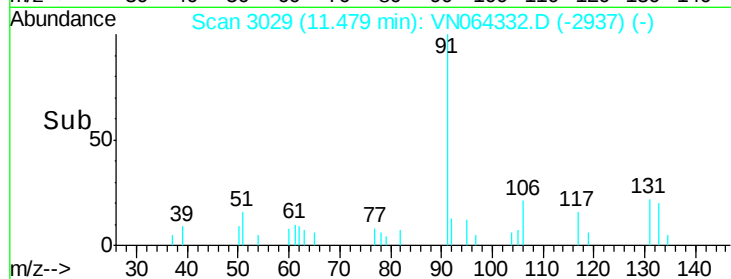
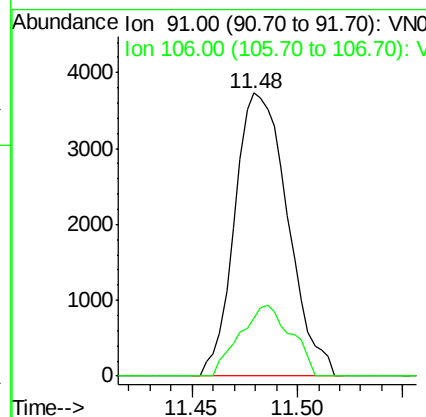
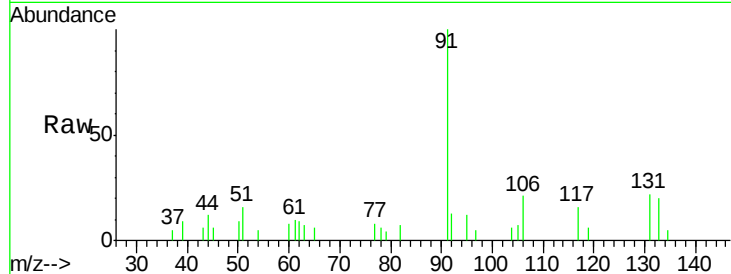
#67
Ethyl Benzene
Concen: 0.474 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 91 Resp: 6492
Ion Ratio Lower Upper
91 100
106 20.7 23.7 35.5#

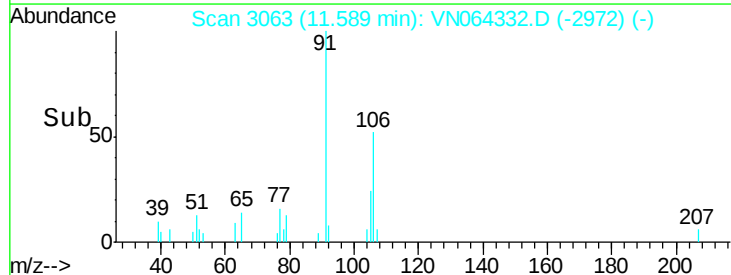
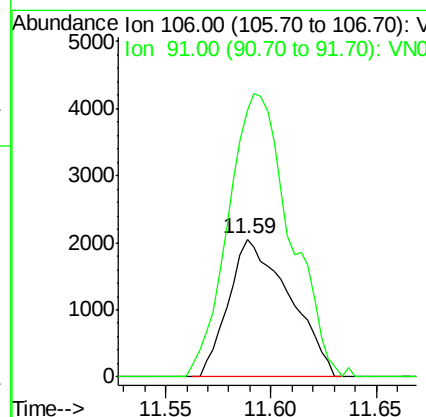
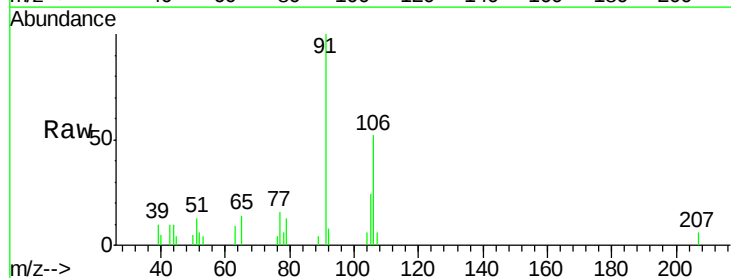
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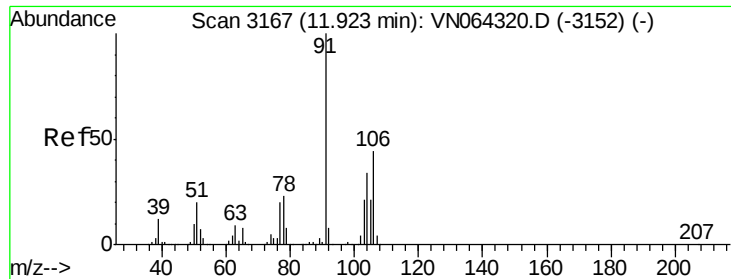
MMDadoda
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#68
m/p-Xylenes
Concen: 0.808 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 106 Resp: 4105
Ion Ratio Lower Upper
106 100
91 210.6 170.2 255.4





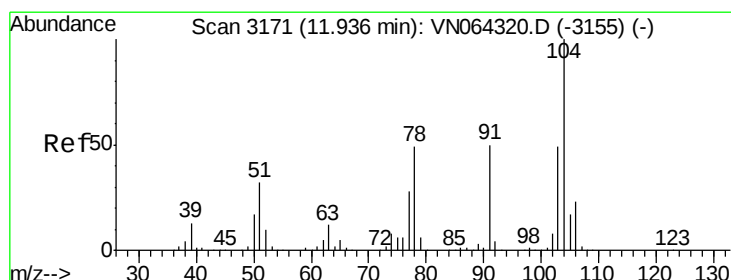
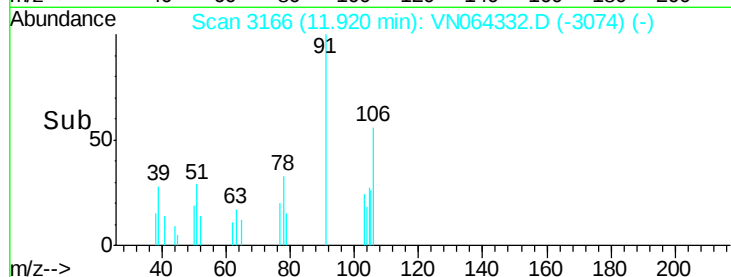
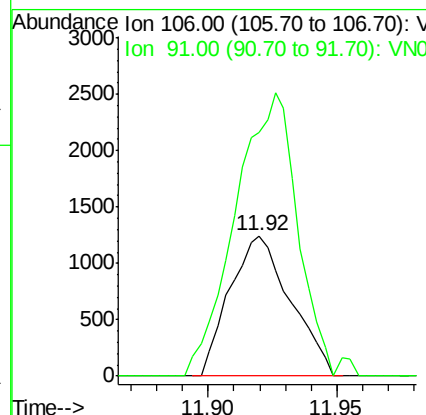
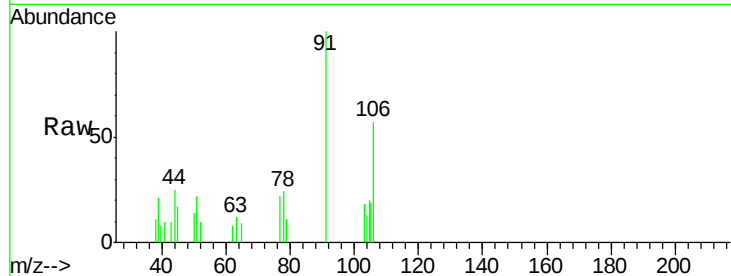
#69
o-Xylene
Concen: 0.416 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion:106 Resp: 2037
Ion Ratio Lower Upper
106 100
91 206.7 114.5 343.5

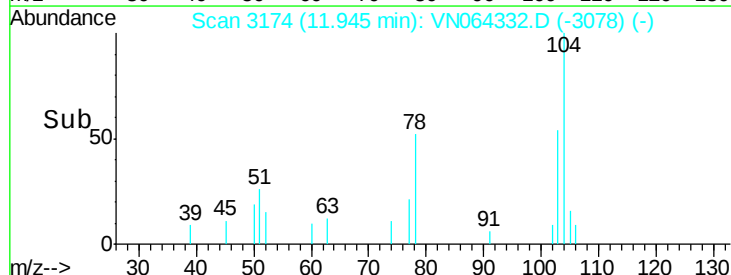
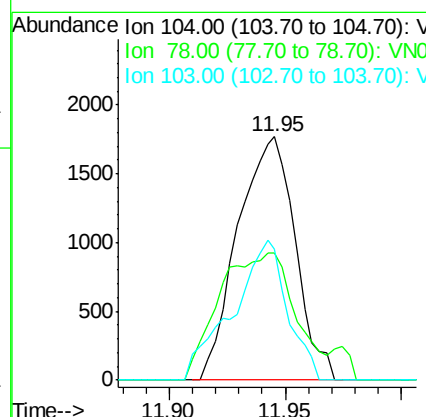
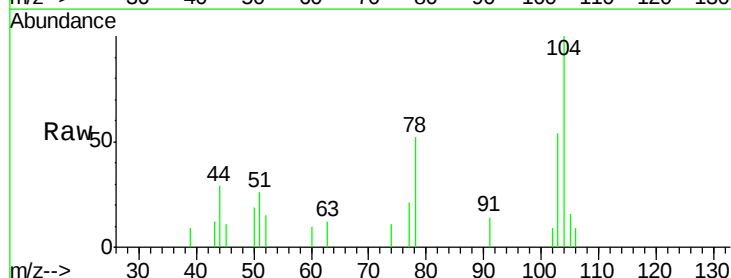
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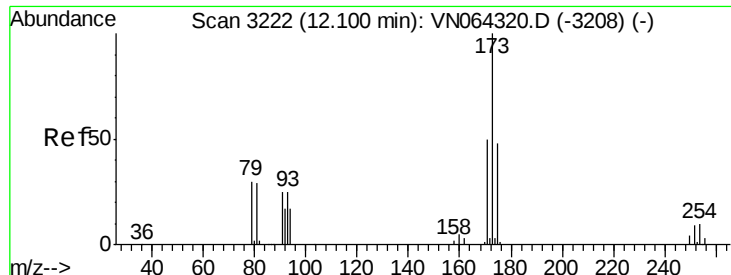
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#70
Styrene
Concen: 0.379 ug/l
RT: 11.95 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion:104 Resp: 3039
Ion Ratio Lower Upper
104 100
78 69.7 43.7 65.5#
103 55.1 43.3 64.9





#71

Bromoform

Concen: 0.420 ug/l m

RT: 12.11 min Scan# 3225

Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

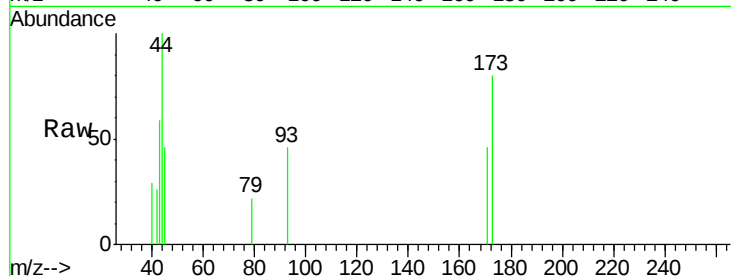
ClientSampleId :

MDL-WATER-03-QT4-2020

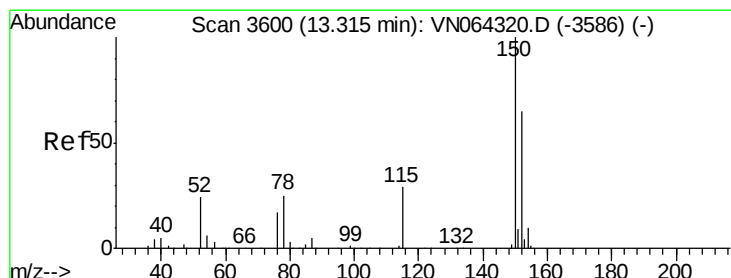
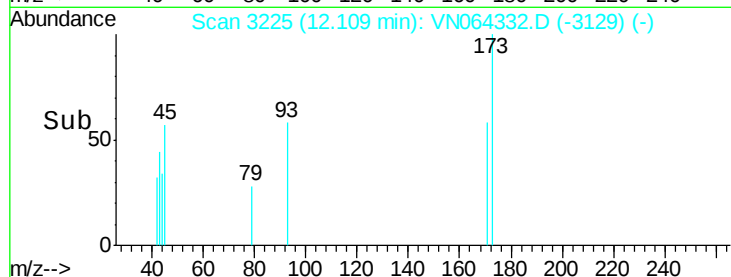
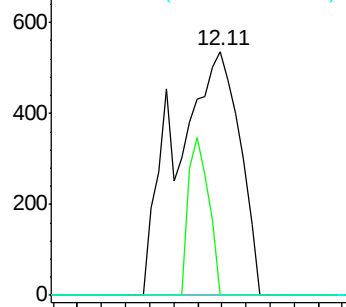
Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	25.4	76.0#
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

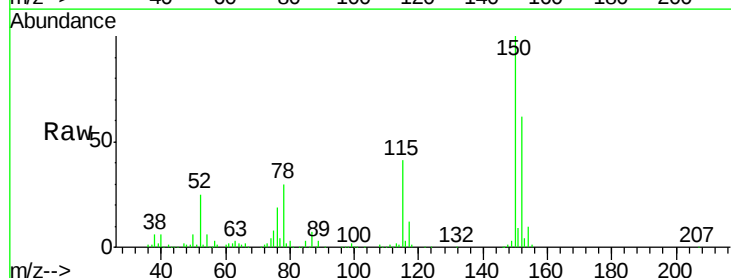
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

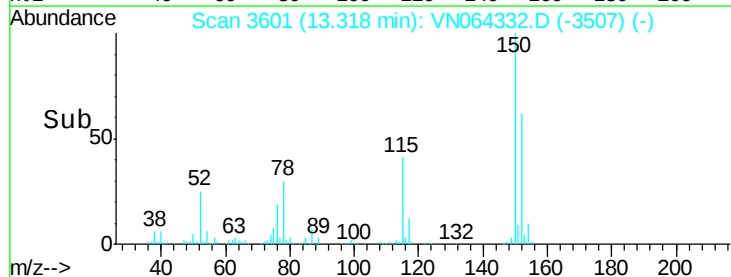
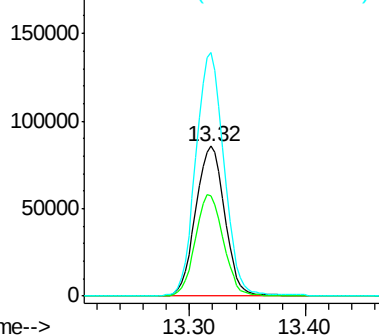
Lab File: VN064332.D

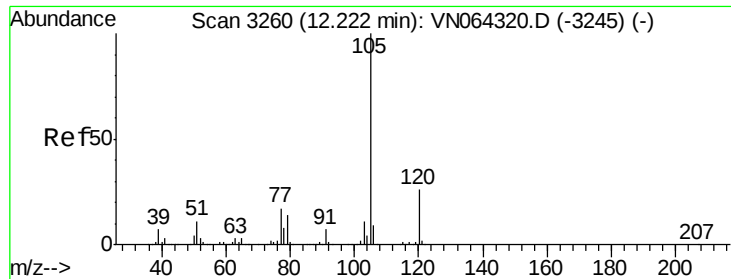
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	31.5	94.5
150	157.2	0.0	346.2



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





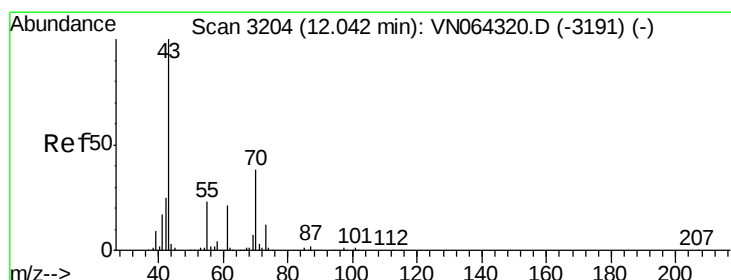
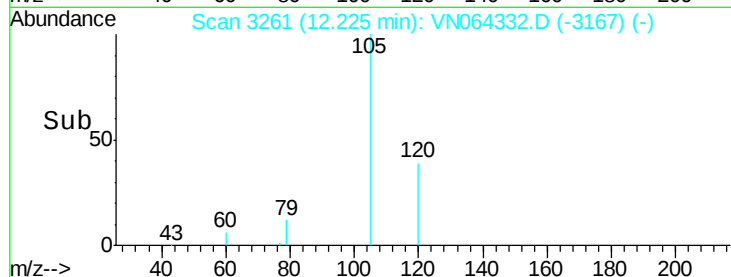
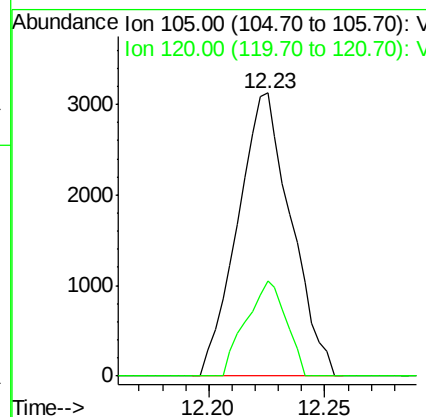
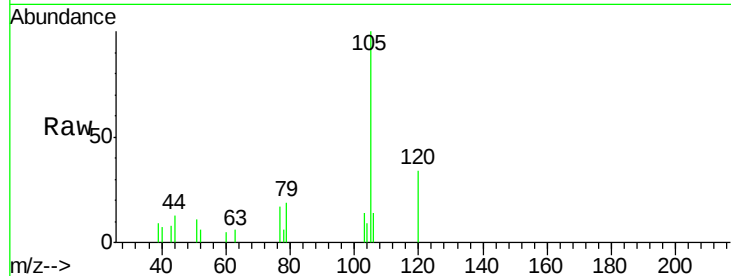
#73
Isopropylbenzene
Concen: 0.449 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion: 105 Resp: 5000
Ion Ratio Lower Upper
105 100
120 25.2 13.2 39.5

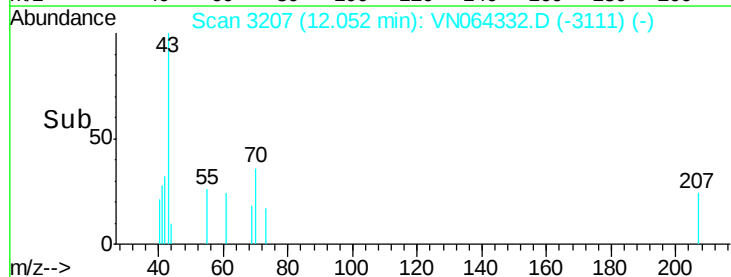
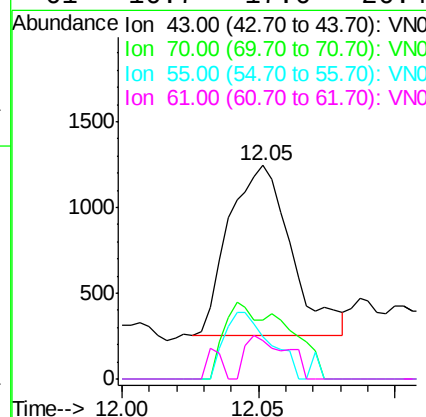
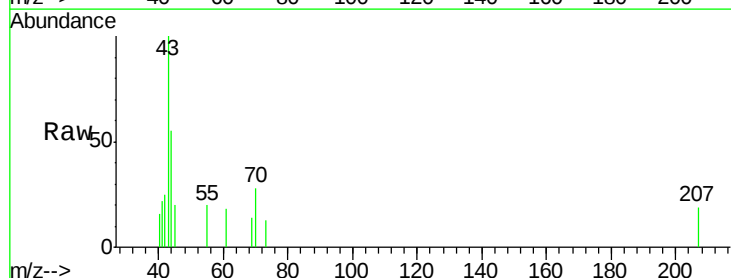
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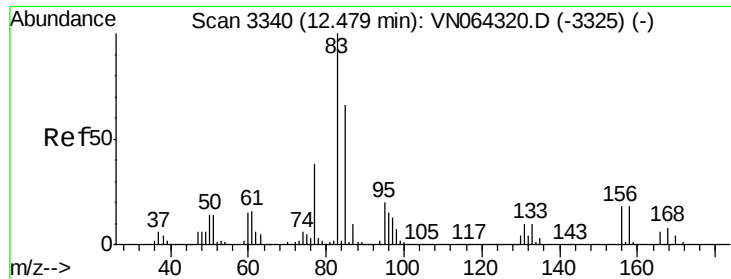
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#74
N-ethyl acetate
Concen: 0.322 ug/l
RT: 12.05 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
70 46.1 30.6 45.8#
55 28.6 18.2 27.4#
61 16.7 17.6 26.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.441 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

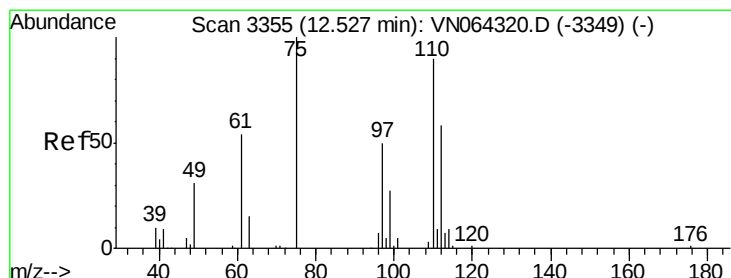
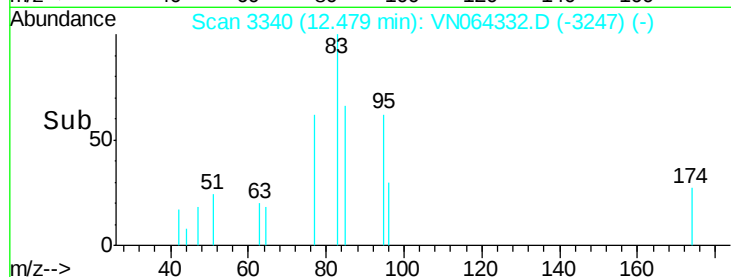
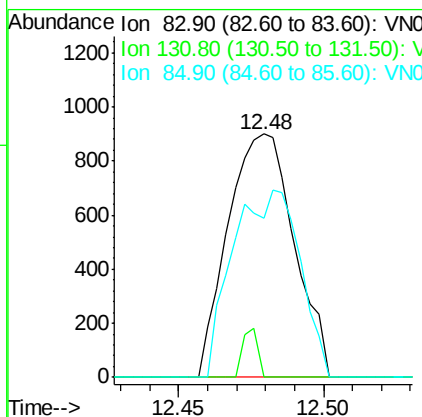
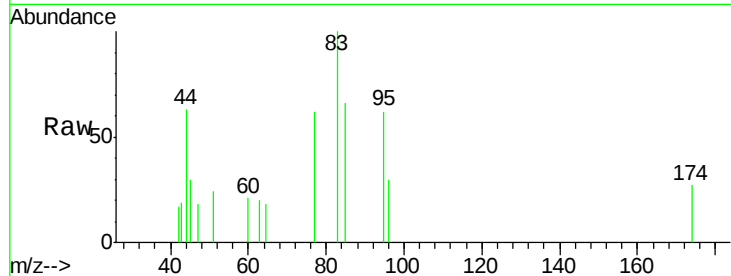
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	4.6	5.4	16.2#
85	78.3	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 0.566 ug/l m

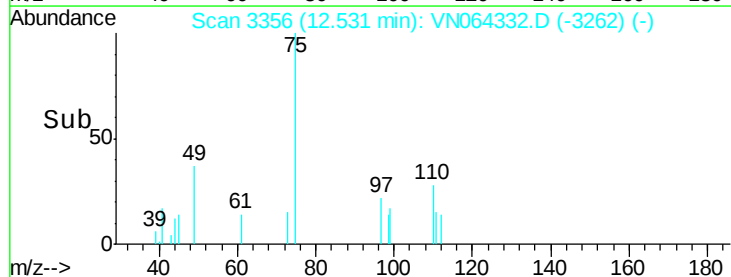
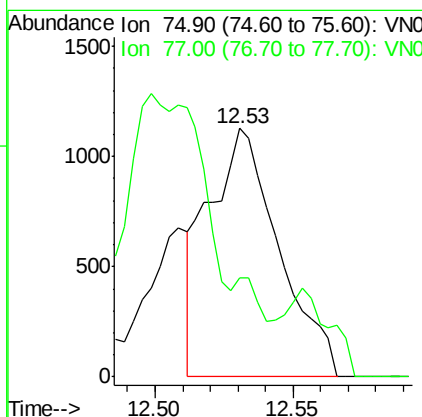
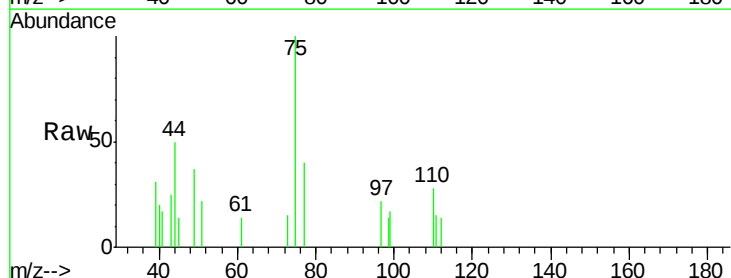
RT: 12.53 min Scan# 3356

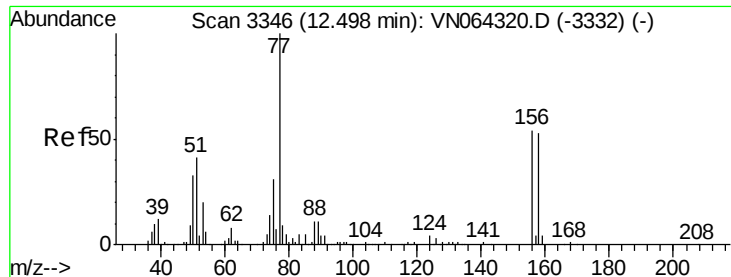
Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	53.2	0.0	0.0#





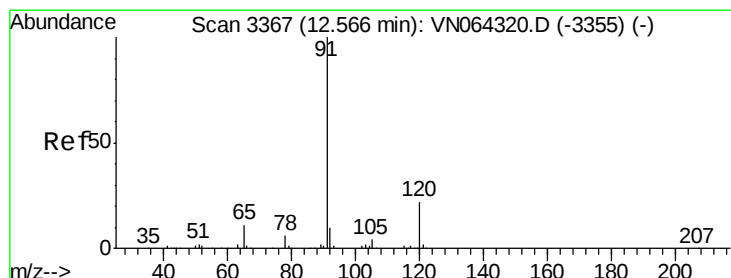
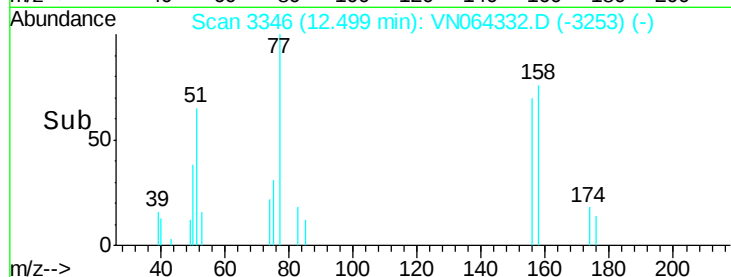
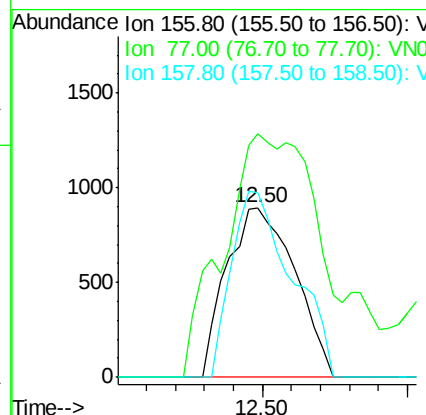
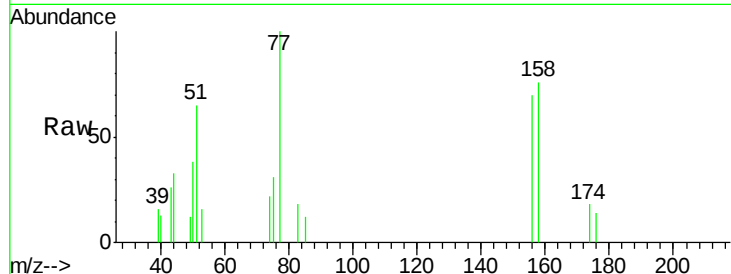
#77
Bromobenzene
Concen: 0.536 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.2	111.9	335.7
158	97.2	49.0	147.0

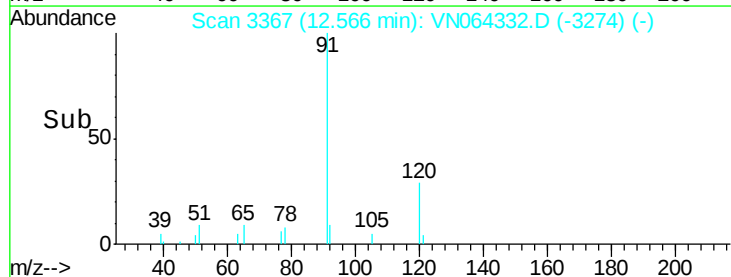
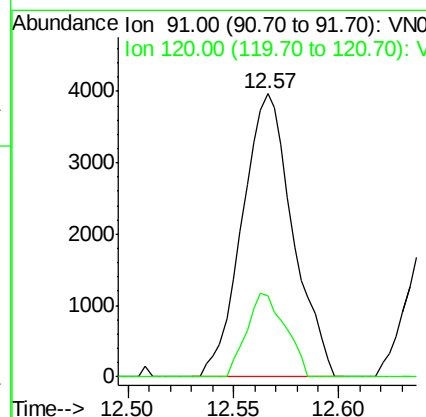
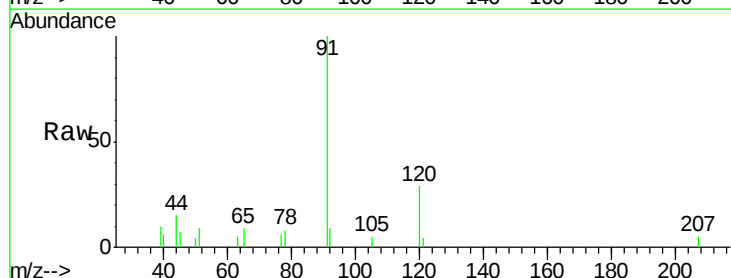
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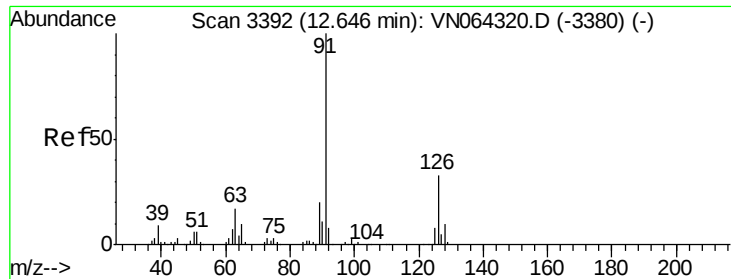
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#78
n-propylbenzene
Concen: 0.526 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 0.552 ug/l

RT: 12.64 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 4443

Ion Ratio Lower Upper

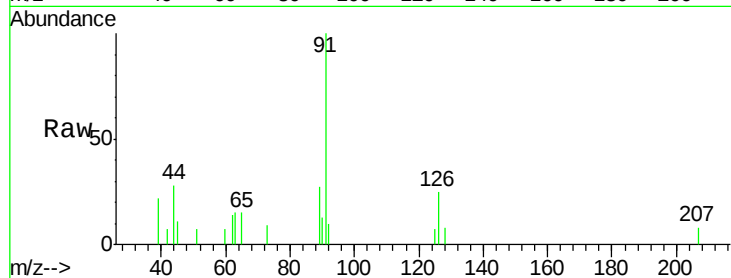
91 100

126 28.8 16.2 48.5

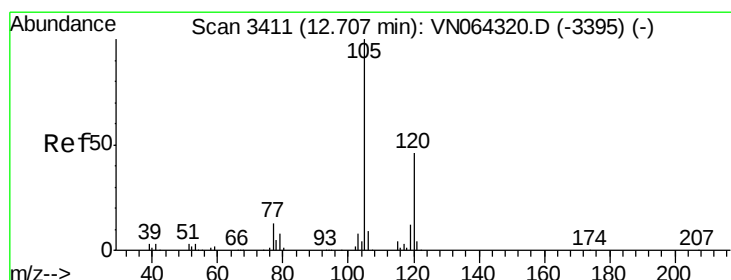
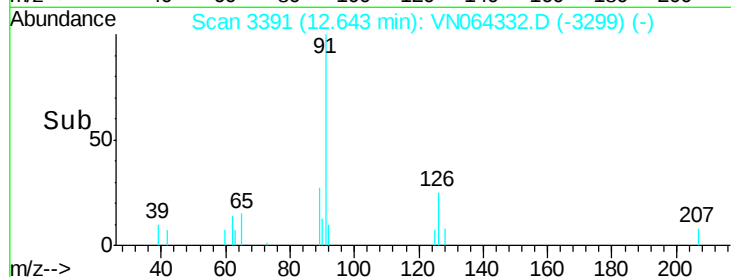
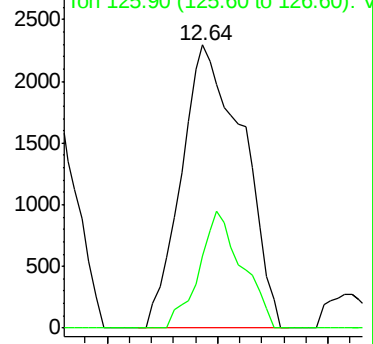
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Abundance Ion 91.00 (90.70 to 91.70): VN064332.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.501 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064332.D

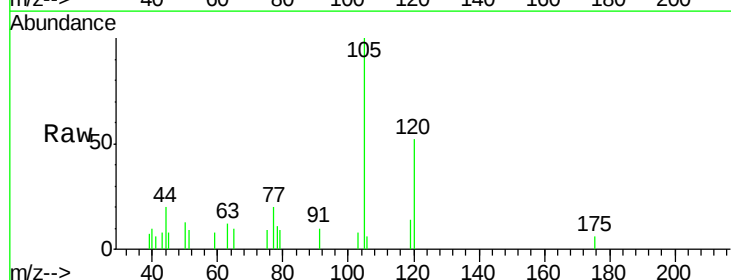
Acq: 27 Oct 2020 17:39

Tgt Ion: 105 Resp: 4720

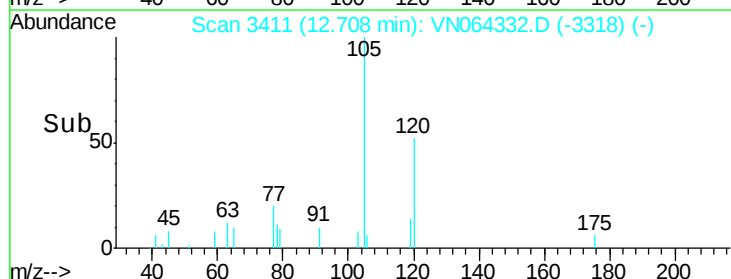
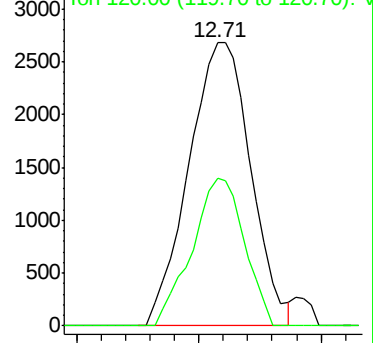
Ion Ratio Lower Upper

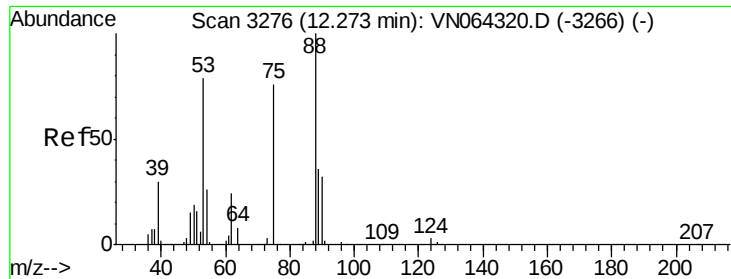
105 100

120 44.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064332.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.502 ug/l m

RT: 12.26 min Scan# 3273

Delta R.T. -0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

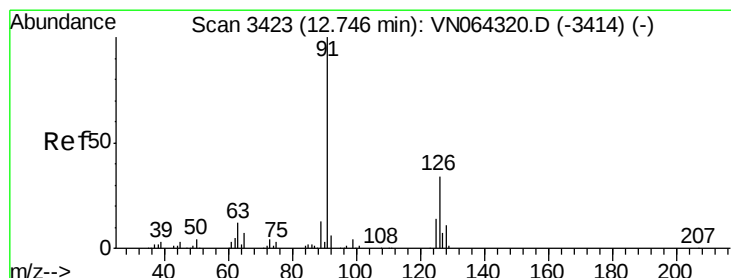
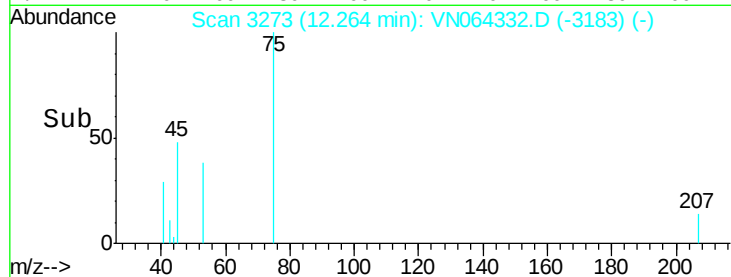
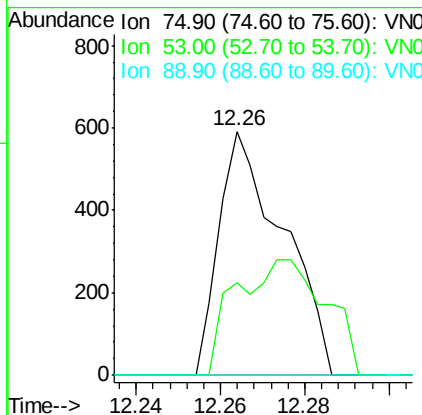
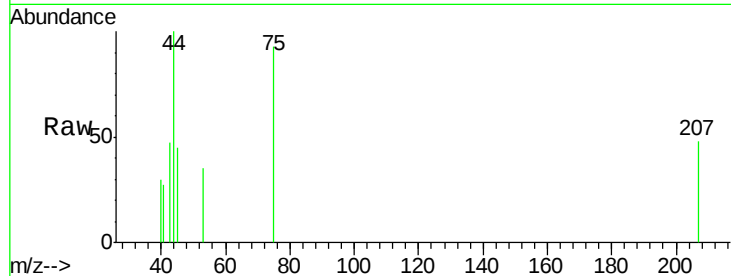
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	75	Resp:	620
Ion Ratio	Lower	Upper	
75	100		
53	0.0	81.8	122.8#
89	13.4	39.9	59.9#

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#82

4-Chlorotoluene

Concen: 0.536 ug/l

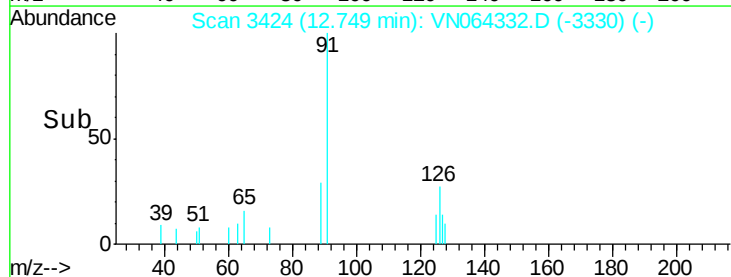
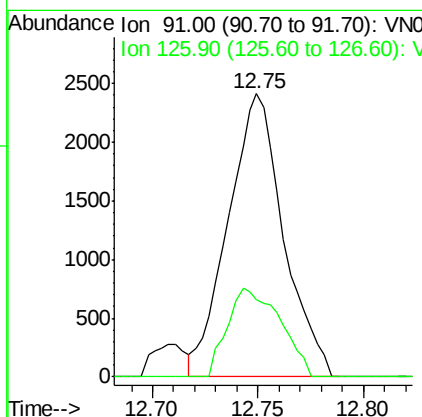
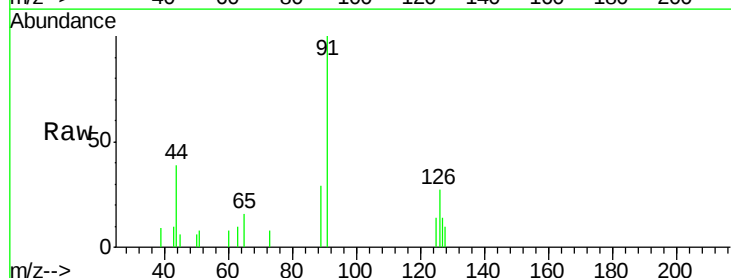
RT: 12.75 min Scan# 3424

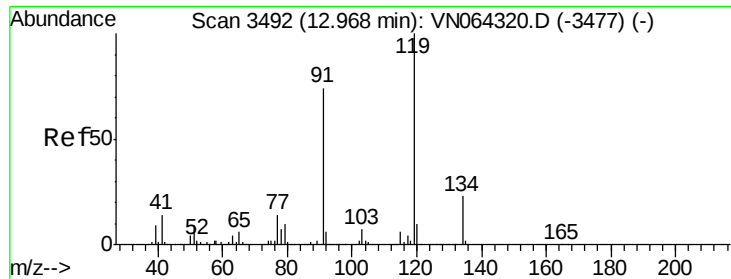
Delta R.T. 0.00 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	91	Resp:	4395
Ion Ratio	Lower	Upper	
91	100		
126	29.8	15.8	47.3





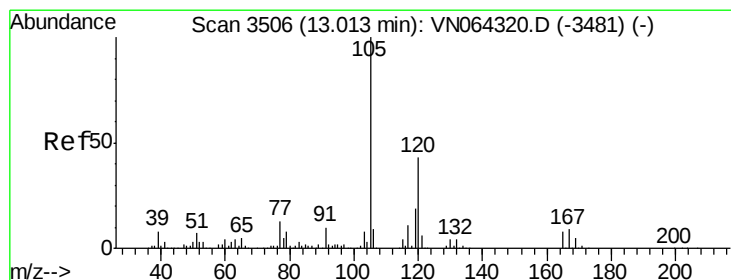
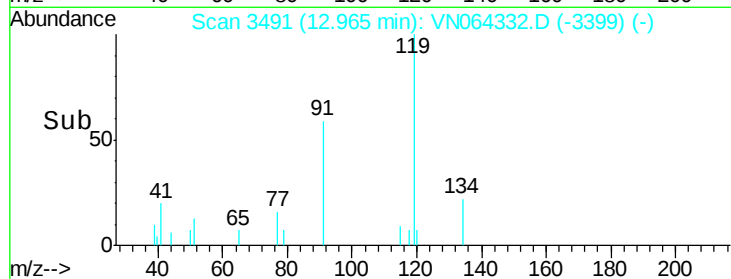
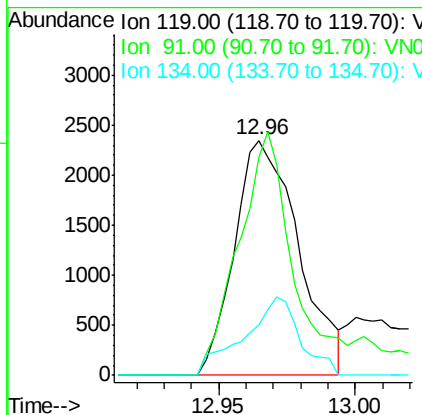
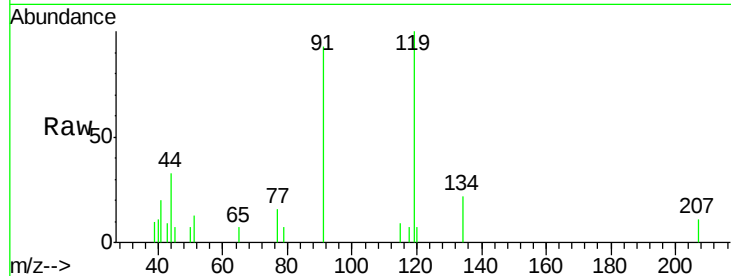
#83
tert-Butylbenzene
Concen: 0.496 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.5	36.4	109.1
134	29.2	12.0	36.1

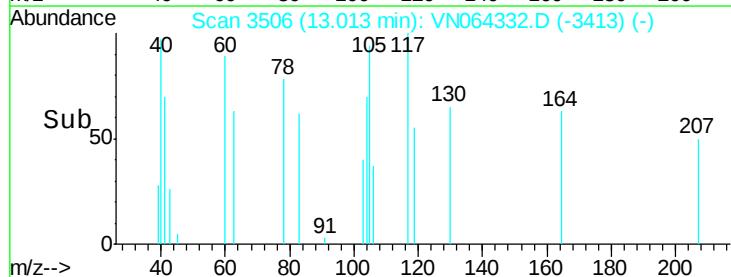
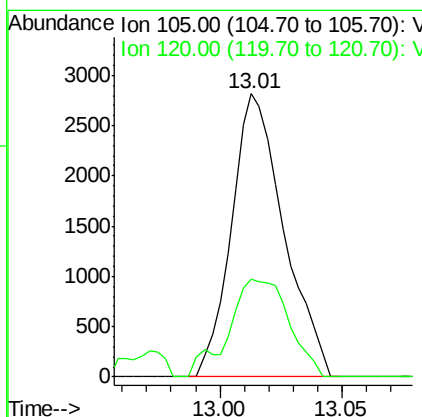
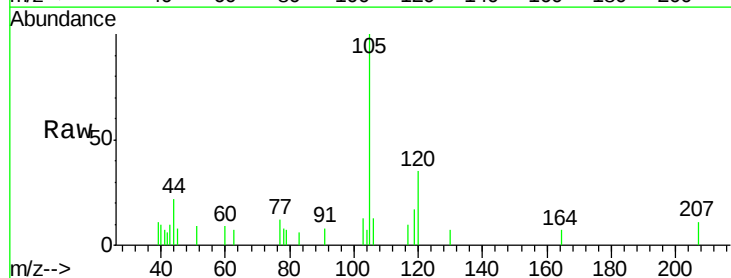
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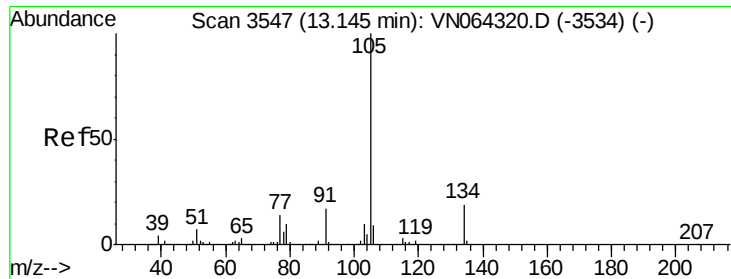
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#84
1,2,4-Trimethylbenzene
Concen: 0.446 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.6	21.3	64.0





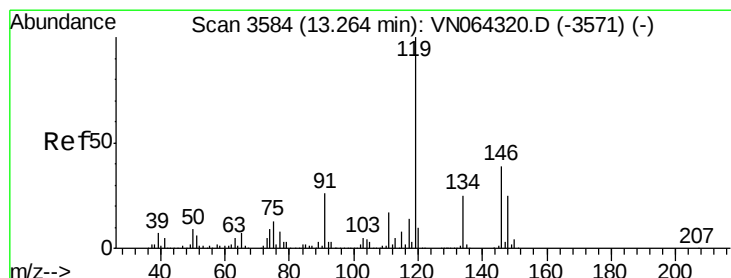
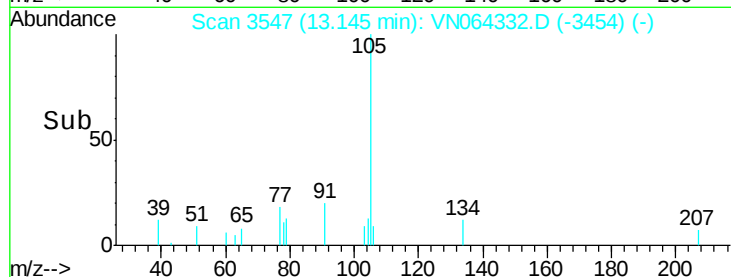
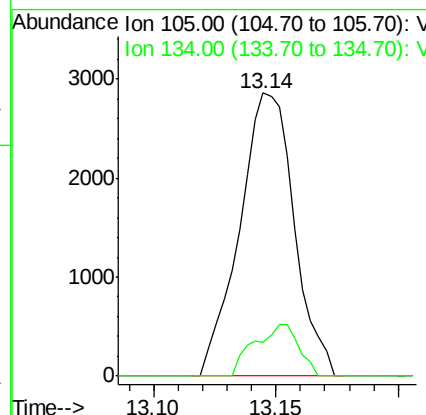
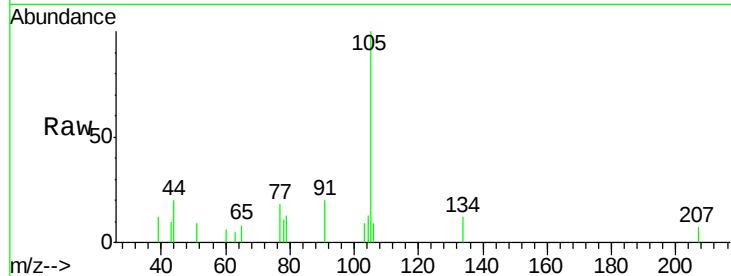
#85
 sec-Butylbenzene
 Concen: 0.444 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	15.0	9.6	28.8

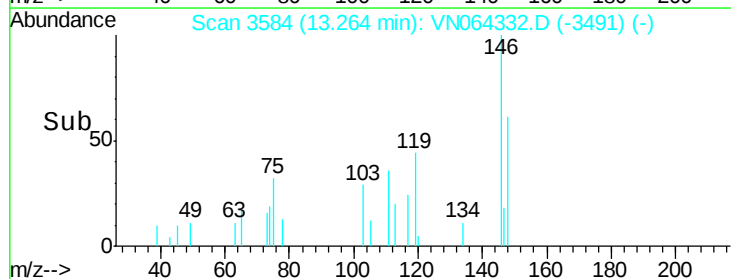
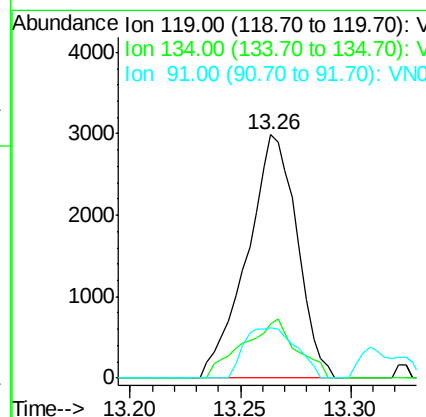
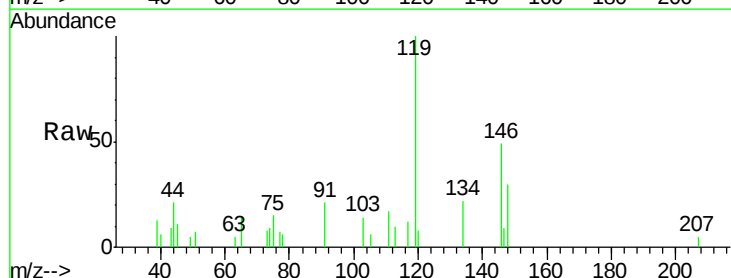
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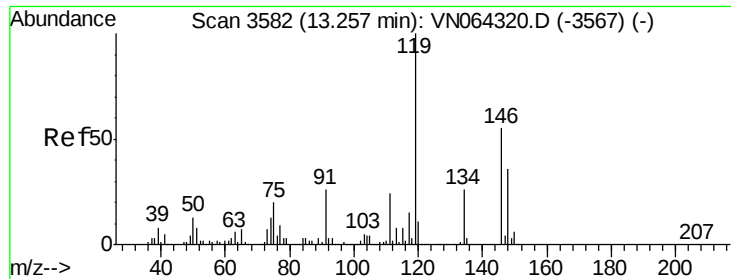
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#86
 p-Isopropyltoluene
 Concen: 0.523 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	21.5	13.0	38.9





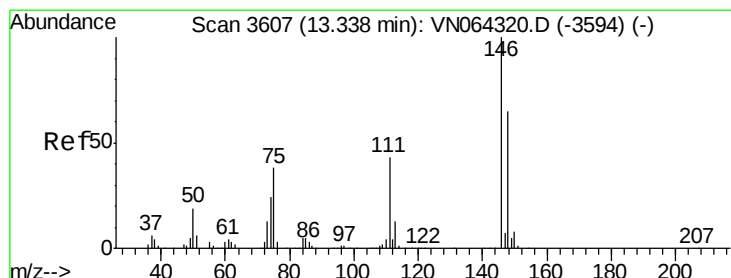
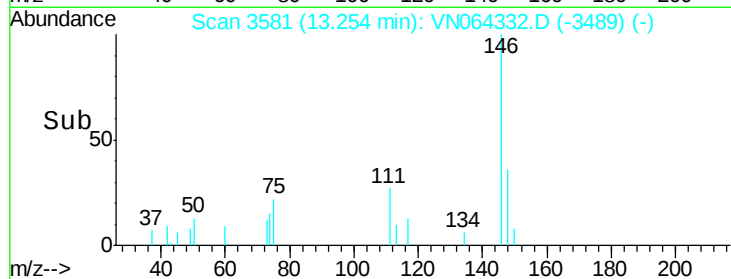
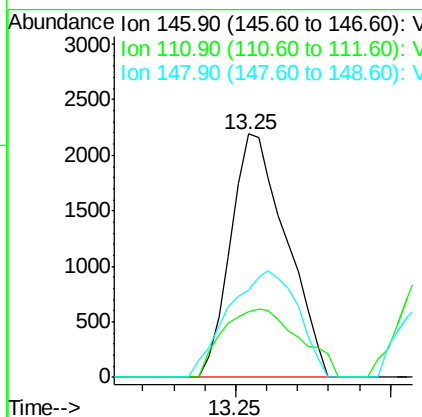
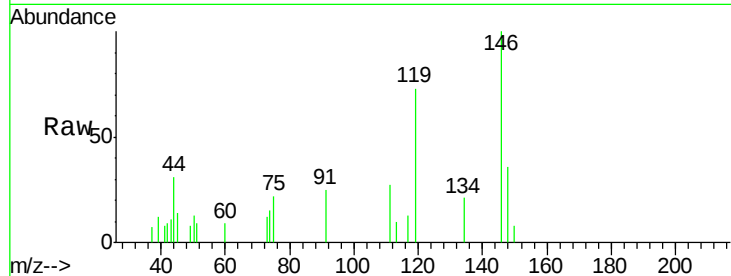
#87
 1,3-Dichlorobenzene
 Concen: 0.576 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.9	65.5
148	54.8	32.6	98.0

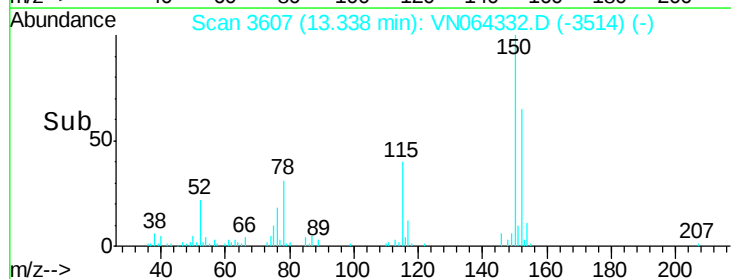
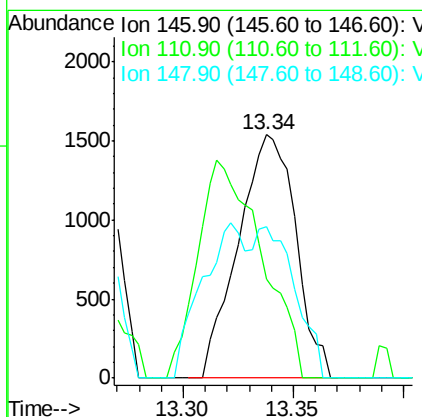
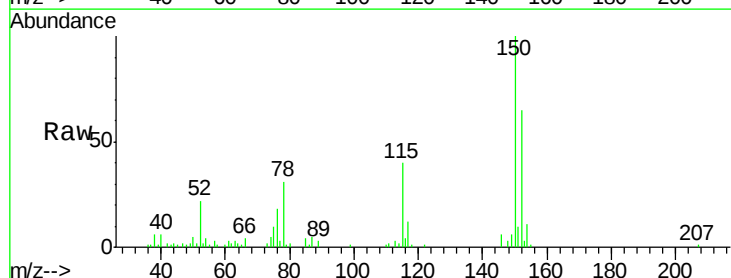
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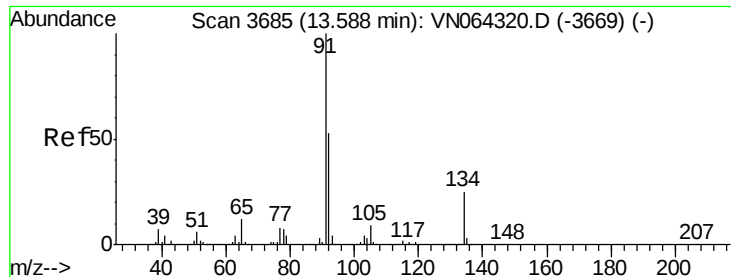
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#88
 1,4-Dichlorobenzene
 Concen: 0.574 ug/l m
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.8	65.4
148	54.0	31.8	95.3





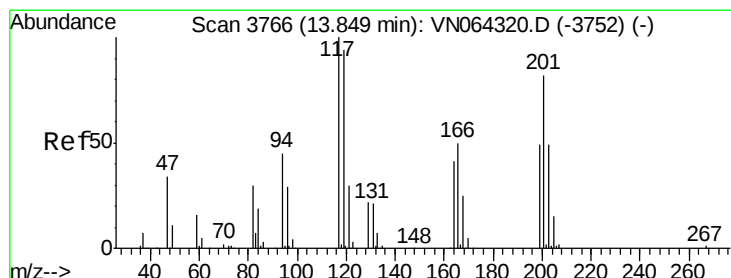
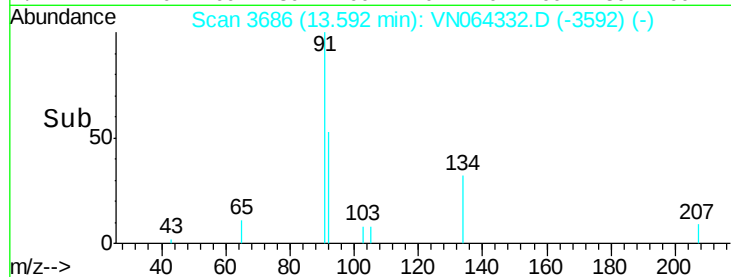
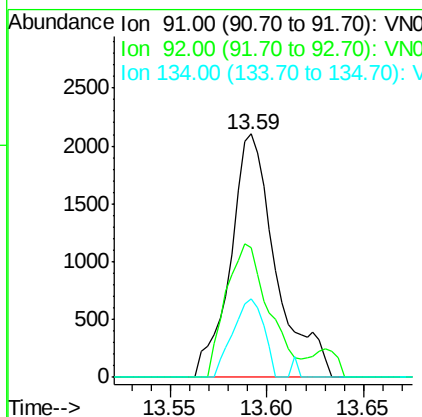
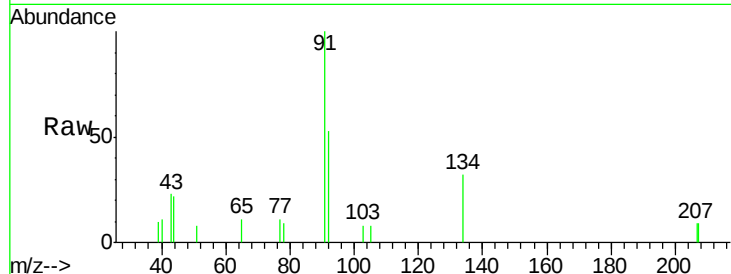
#89
n-Butylbenzene
Concen: 0.432 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	22.1	12.4	37.4

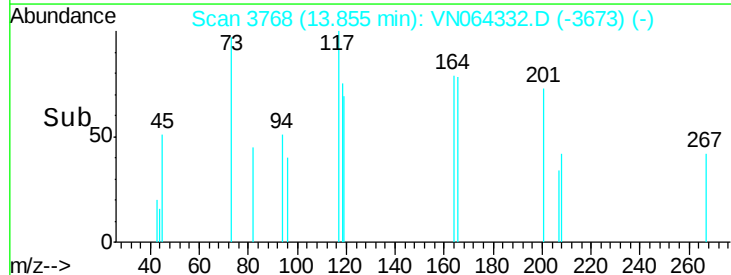
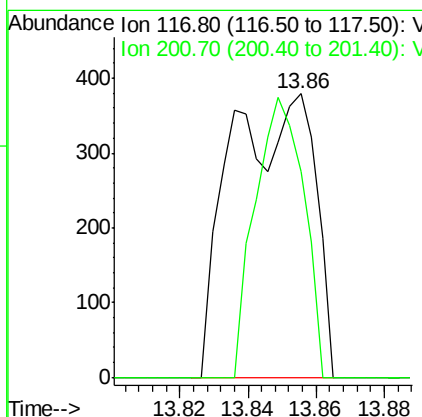
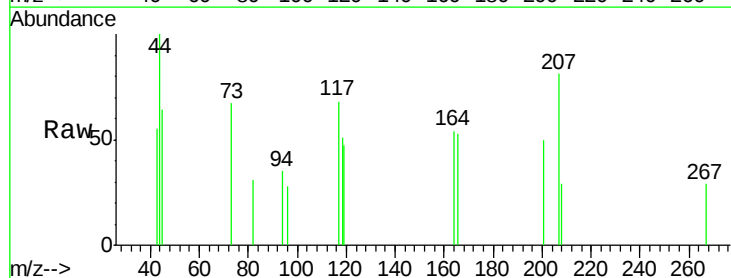
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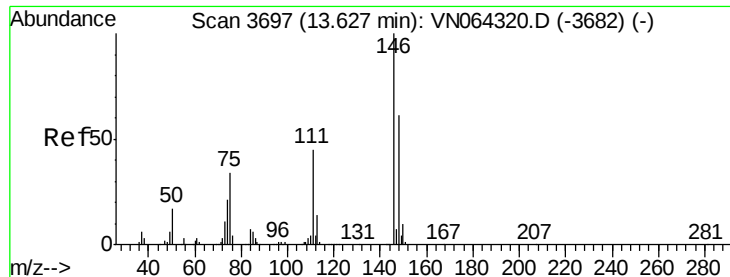
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#90
Hexachloroethane
Concen: 0.379 ug/l m
RT: 13.86 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN064332.D
Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.3	39.8	119.3





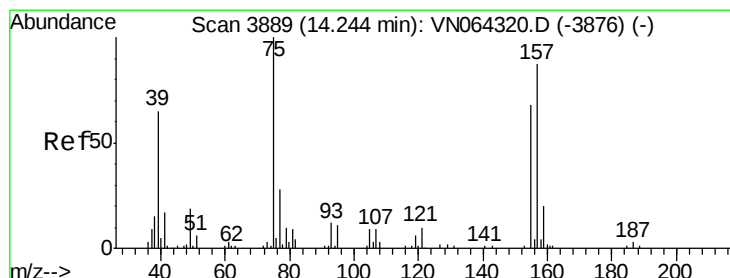
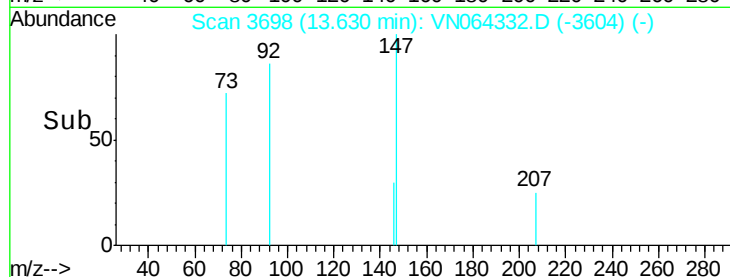
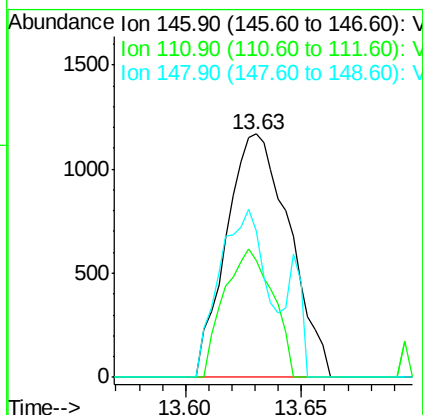
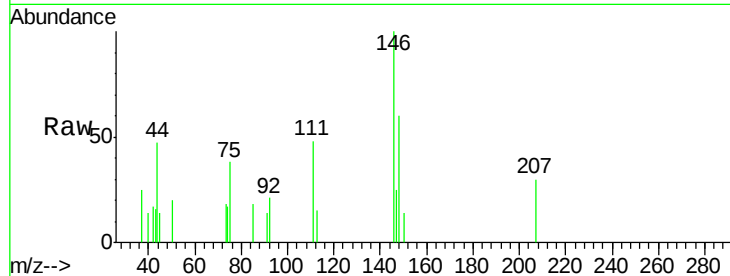
#91
 1,2-Dichlorobenzene
 Concen: 0.466 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	23.0	69.0
148	50.7	32.1	96.3

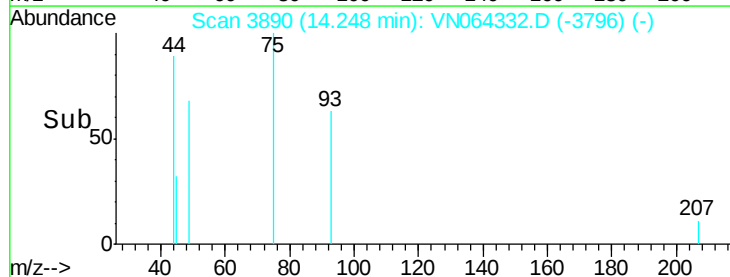
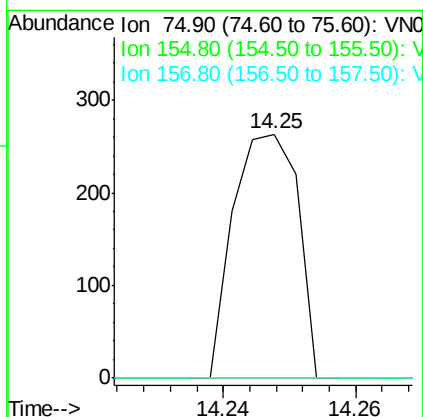
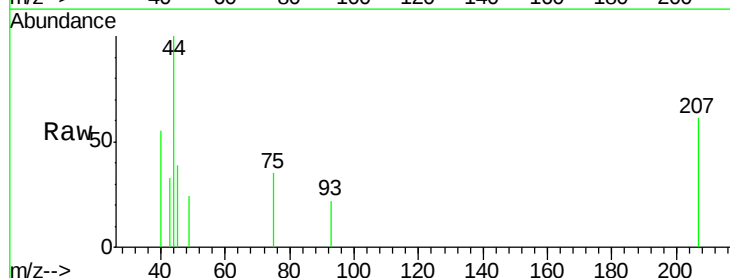
Manual Integrations
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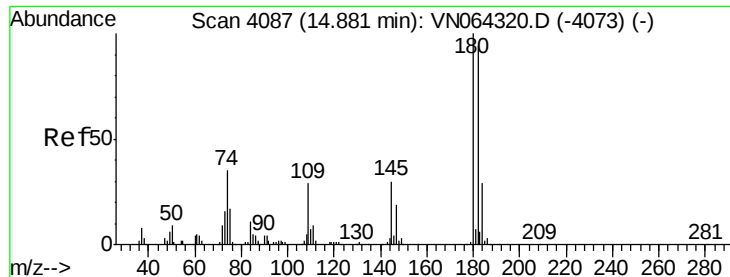
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.221 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.1	105.5#
157	0.0	43.2	129.6#





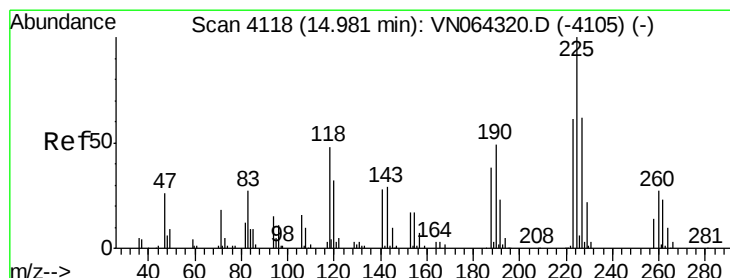
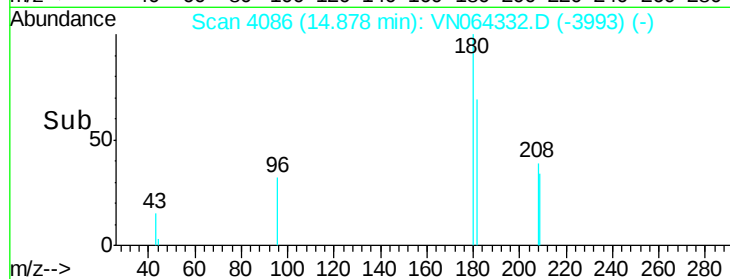
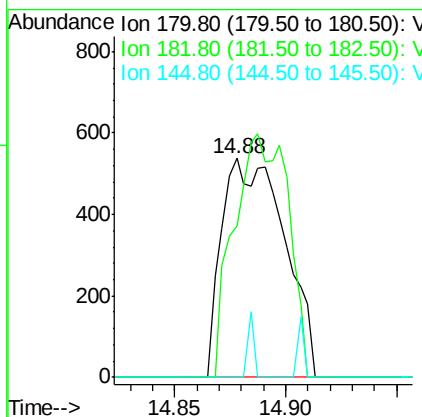
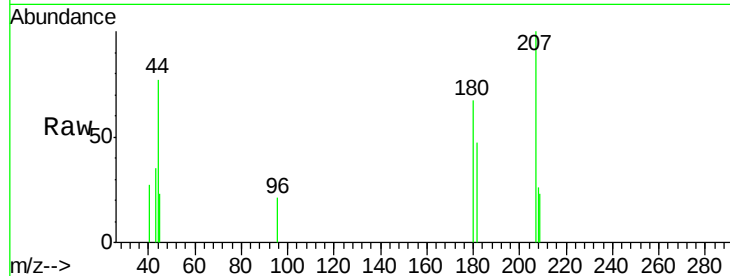
#93
 1,2,4-Trichlorobenzene
 Concen: 0.443 ug/l m
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.6	139.7
145	3.0	15.3	45.9#

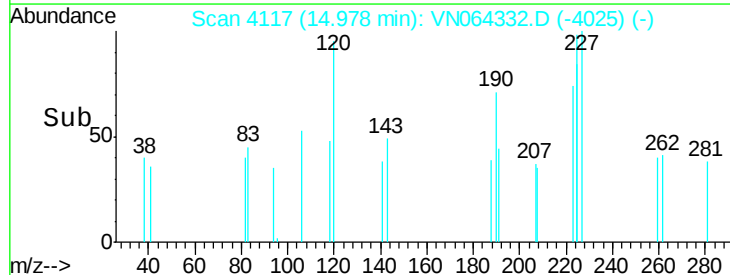
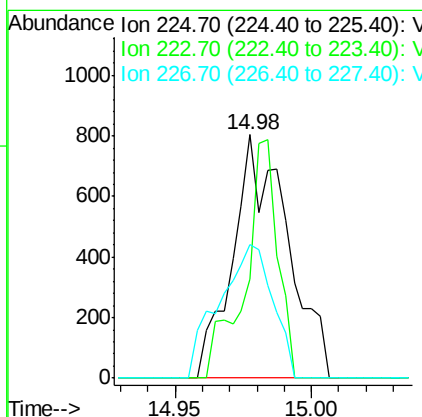
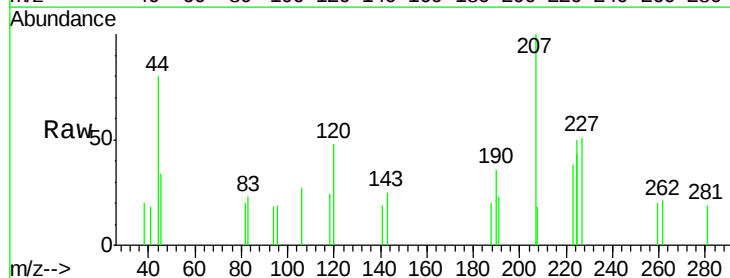
Manual Integrations
 APPROVED

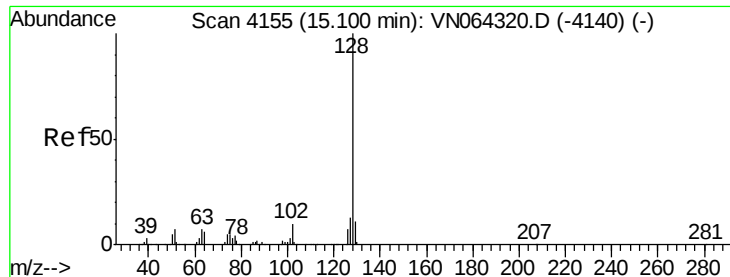
MMDadoda
 10/28/2020 11:46:19 AM



#94
 Hexachlorobutadiene
 Concen: 0.767 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064332.D
 Acq: 27 Oct 2020 17:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	31.3	93.8
227	53.7	32.3	96.9





#95

Naphthalene

Concen: 0.380 ug/l m

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Instrument :

MSVOA_N

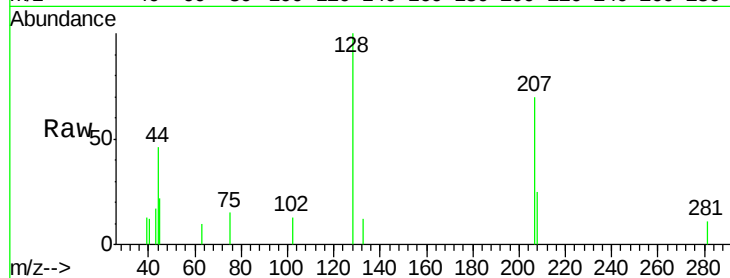
ClientSampleId :

MDL-WATER-03-QT4-2020

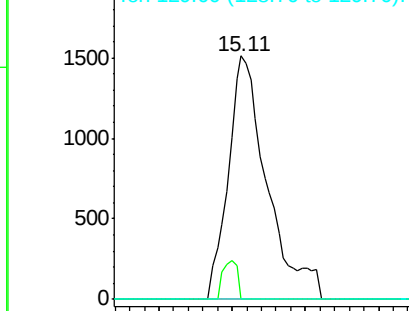
Tot Ion:	128	Resp:	2774
Ion	Ratio	Lower	Upper
128	100		
127	5.8	10.4	15.6#
129	0.0	8.6	13.0#

Manual Integrations
APPROVED

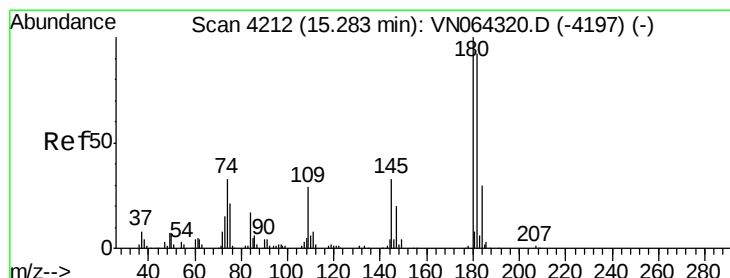
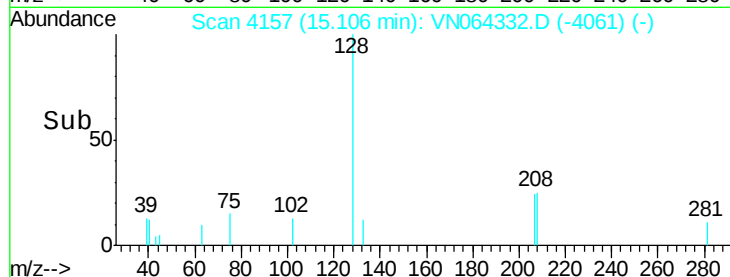
MMDadoda
10/28/2020 11:46:19 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.366 ug/l

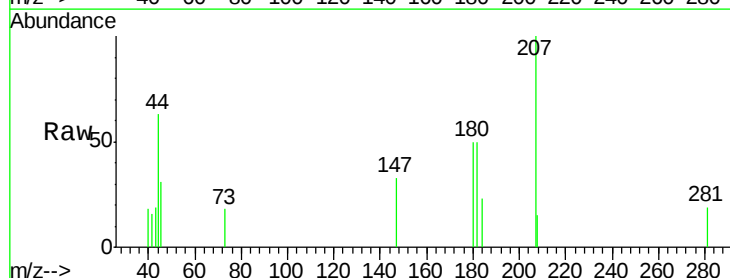
RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

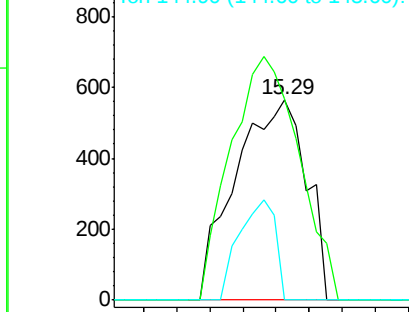
Lab File: VN064332.D

Acq: 27 Oct 2020 17:39

Tgt Ion:	180	Resp:	840
Ion	Ratio	Lower	Upper
180	100		
182	117.6	46.1	138.3
145	25.6	16.2	48.5



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



Time-->

