

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064263.D
 Acq On : 22 Oct 2020 20:28
 Operator : JC/MD
 Sample : L4214-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:35 PM

Quant Time: Oct 23 15:29:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 02:22:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	253990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164004	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	194946	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.55	113	135206	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.06	98	487121	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	12.38	95	185302	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1004	0.362	ug/l	95
3) Chloromethane	2.04	50	1482	0.505	ug/l	99
4) Vinyl Chloride	2.16	62	1314	0.451	ug/l	98
6) Chloroethane	2.67	64	1060	0.598	ug/l #	34
7) Trichlorofluoromethane	2.99	101	2574m	0.538	ug/l	
8) Diethyl Ether	3.37	74	421	0.266	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.73	101	900	0.364	ug/l #	76
12) 1,1-Dichloroethene	3.71	96	1127m	0.473	ug/l	
14) Allyl chloride	4.29	41	2578m	0.541	ug/l	
15) Acrylonitrile	4.95	53	2380m	2.280	ug/l	
16) Acetone	3.79	43	4099m	3.798	ug/l	
17) Carbon Disulfide	4.01	76	2774	0.409	ug/l #	82
18) Methyl Acetate	4.29	43	1440m	0.524	ug/l	
19) Methyl tert-butyl Ether	5.00	73	3945m	0.482	ug/l	
20) Methylene Chloride	4.50	84	1820	0.632	ug/l #	68
21) trans-1,2-Dichloroethene	5.00	96	1290m	0.491	ug/l	
22) Diisopropyl ether	5.90	45	4550m	0.514	ug/l	
23) Vinyl Acetate	5.86	43	12208	1.546	ug/l #	94
24) 1,1-Dichloroethane	5.79	63	2200m	0.429	ug/l	
25) 2-Butanone	6.79	43	4126	2.406	ug/l #	88
26) 2,2-Dichloropropane	6.77	77	2363m	0.463	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	1727m	0.565	ug/l	
28) Bromochloromethane	7.15	49	1088	0.446	ug/l #	89
29) Tetrahydrofuran	7.18	42	2970m	2.896	ug/l	
30) Chloroform	7.33	83	3125	0.571	ug/l #	62
32) 1,1,1-Trichloroethane	7.53	97	2303m	0.449	ug/l	
36) 1,1-Dichloropropene	7.75	75	1992m	0.470	ug/l	
37) Ethyl Acetate	6.88	43	2657m	0.690	ug/l	
38) Carbon Tetrachloride	7.73	117	2347m	0.486	ug/l	
39) Methylcyclohexane	9.05	83	1862m	0.483	ug/l	
40) Benzene	8.01	78	5075	0.433	ug/l	97
41) Methacrylonitrile	7.12	41	1065	0.527	ug/l #	52
42) 1,2-Dichloroethane	8.09	62	2611	0.520	ug/l #	78
43) Isopropyl Acetate	8.13	43	3129	0.436	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	1171	0.367	ug/l	88
45) 1,2-Dichloropropane	9.08	63	1228	0.393	ug/l	89
46) Dibromomethane	9.18	93	966m	0.460	ug/l	
47) Bromodichloromethane	9.37	83	2102	0.453	ug/l #	63
48) Methyl methacrylate	9.17	41	2060	0.549	ug/l #	72
49) 1,4-Dioxane	9.17	88	294m	6.701	ug/l	
51) 4-Methyl-2-Pentanone	9.95	43	8655	2.256	ug/l	98
52) Toluene	10.13	92	2903	0.387	ug/l	76
53) t-1,3-Dichloropropene	10.36	75	1970	0.382	ug/l #	55
54) cis-1,3-Dichloropropene	9.80	75	2135	0.394	ug/l #	89
55) 1,1,2-Trichloroethane	10.53	97	1317	0.465	ug/l #	83
56) Ethyl methacrylate	10.40	69	2072	0.474	ug/l #	75
57) 1,3-Dichloropropane	10.68	76	2166	0.441	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.66	63	4741	2.104	ug/l	98
59) 2-Hexanone	10.73	43	6312	2.253	ug/l	96
60) Dibromochloromethane	10.87	129	1413	0.386	ug/l	93
61) 1,2-Dibromoethane	10.98	107	1267	0.424	ug/l	93
64) Tetrachloroethene	10.60	164	1389	0.458	ug/l #	85
65) Chlorobenzene	11.40	112	3695	0.474	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.49	131	1438m	0.465	ug/l	
67) Ethyl Benzene	11.49	91	6600	0.461	ug/l #	86
68) m/p-Xylenes	11.59	106	4283	0.807	ug/l	80
69) o-Xylene	11.92	106	2155	0.420	ug/l	85
70) Styrene	11.94	104	3727	0.433	ug/l	92
71) Bromoform	12.10	173	995	0.416	ug/l #	99
73) Isopropylbenzene	12.23	105	5812	0.465	ug/l	100
74) N-amyl acetate	12.05	43	2048	0.379	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.47	83	1702	0.513	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	1405m	0.406	ug/l	
77) Bromobenzene	12.50	156	1549	0.525	ug/l	86
78) n-propylbenzene	12.56	91	6802	0.482	ug/l	100
79) 2-Chlorotoluene	12.65	91	3582	0.414	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	5108	0.483	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.27	75	479m	0.350	ug/l	
82) 4-Chlorotoluene	12.75	91	5073	0.561	ug/l	100
83) tert-Butylbenzene	12.97	119	4071	0.470	ug/l	91
84) 1,2,4-Trimethylbenzene	13.02	105	5022	0.477	ug/l	94
85) sec-Butylbenzene	13.14	105	4754	0.435	ug/l	94
86) p-Isopropyltoluene	13.27	119	4550	0.457	ug/l #	85
87) 1,3-Dichlorobenzene	13.25	146	2710	0.516	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	2730m	0.508	ug/l	
89) n-Butylbenzene	13.59	91	4140	0.464	ug/l	94
90) Hexachloroethane	13.85	117	989	0.549	ug/l	65
91) 1,2-Dichlorobenzene	13.63	146	2480	0.481	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.24	75	210	0.254	ug/l #	36
93) 1,2,4-Trichlorobenzene	14.89	180	1346	0.466	ug/l #	80
94) Hexachlorobutadiene	14.98	225	841	0.539	ug/l	94
95) Naphthalene	15.11	128	4348	0.502	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.28	180	1259m	0.440	ug/l	

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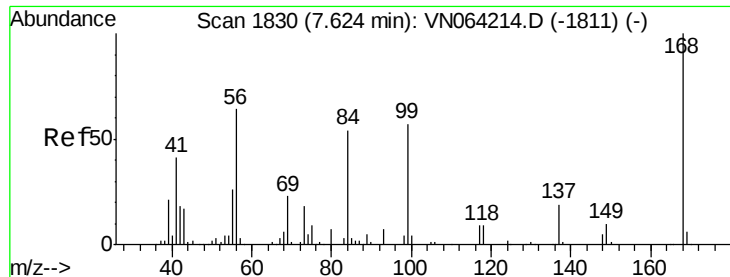
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 253990

Ion Ratio Lower Upper

168 100

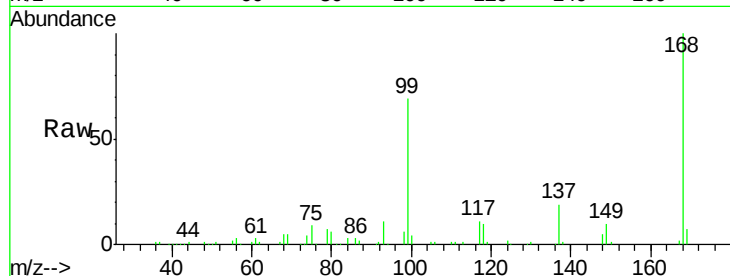
99 68.7 54.0 81.0

Manual Integrations

APPROVED

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10/23/2020 3:37:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

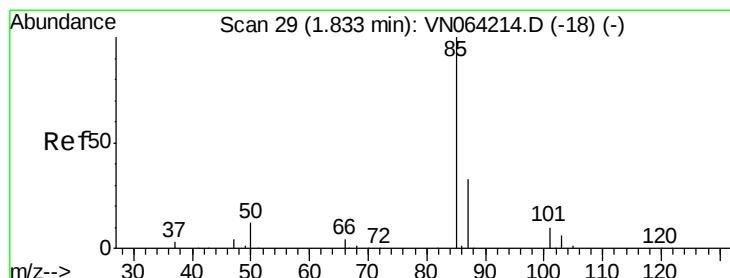
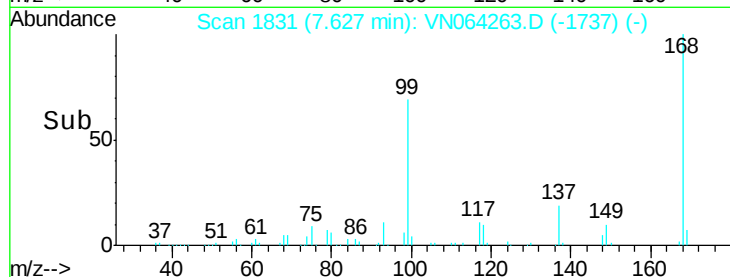
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.362 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064263.D

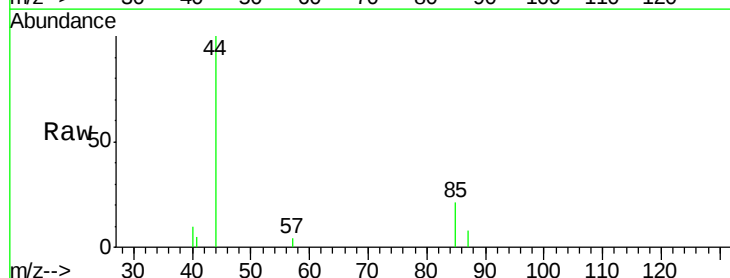
Acq: 22 Oct 2020 20:28

Tgt Ion: 85 Resp: 1004

Ion Ratio Lower Upper

85 100

87 36.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1000

800

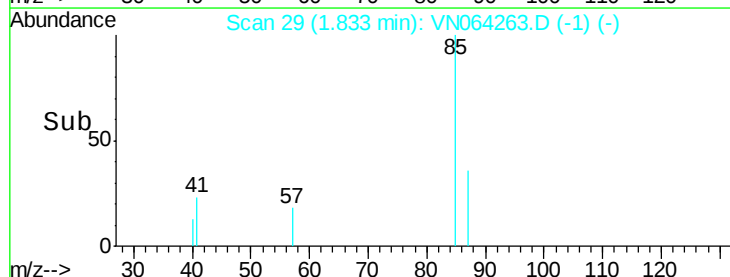
600

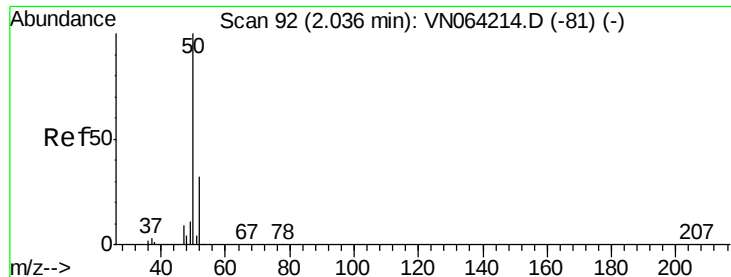
400

200

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.505 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

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LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 1482

Ion Ratio Lower Upper

50 100

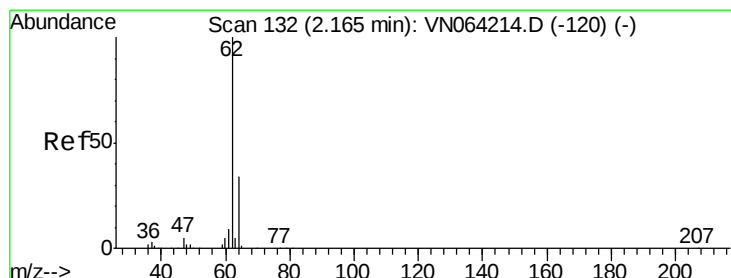
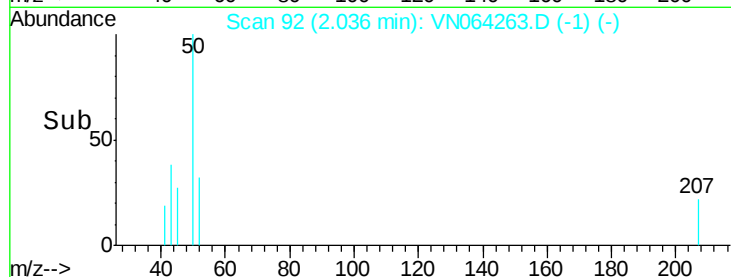
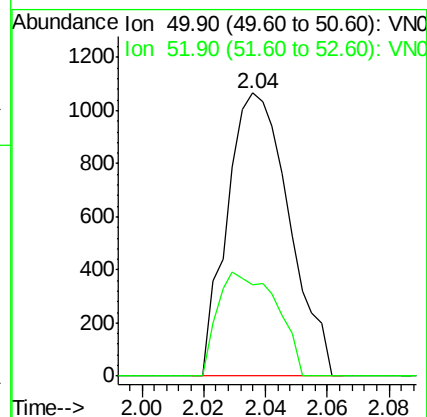
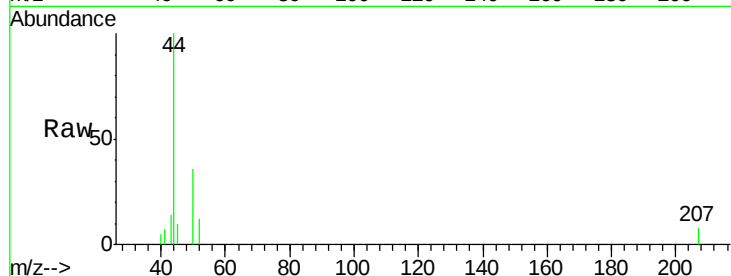
52 32.2 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.451 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064263.D

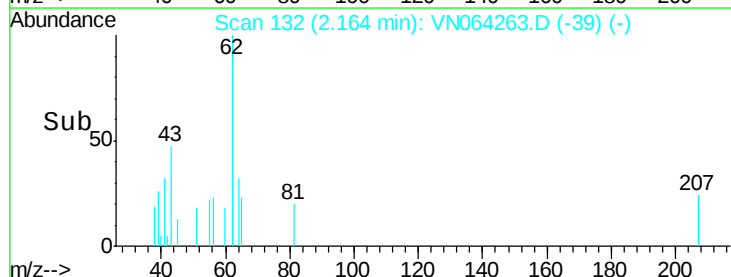
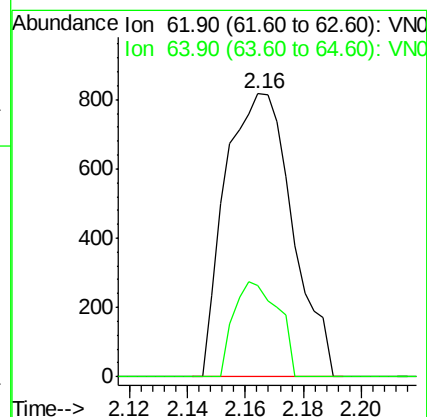
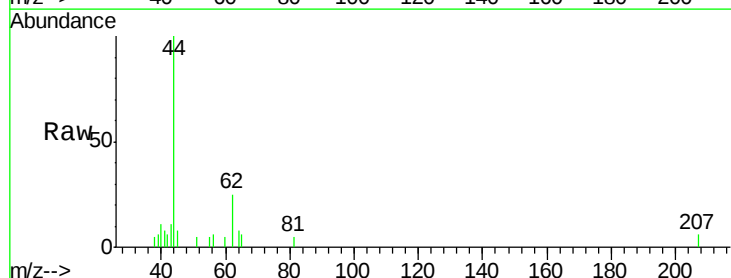
Acq: 22 Oct 2020 20:28

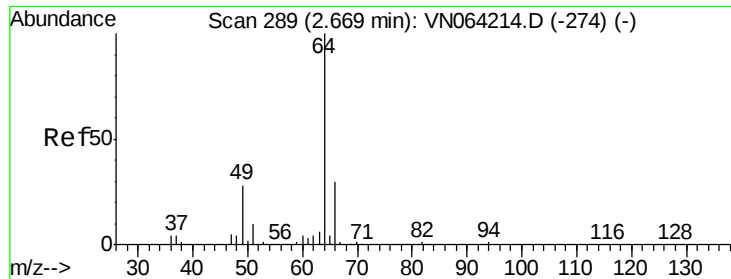
Tgt Ion: 62 Resp: 1314

Ion Ratio Lower Upper

62 100

64 32.3 26.8 40.2





#6

Chloroethane

Concen: 0.598 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

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Tot Ion: 64 Resp: 1060

Ion Ratio Lower Upper

64 100

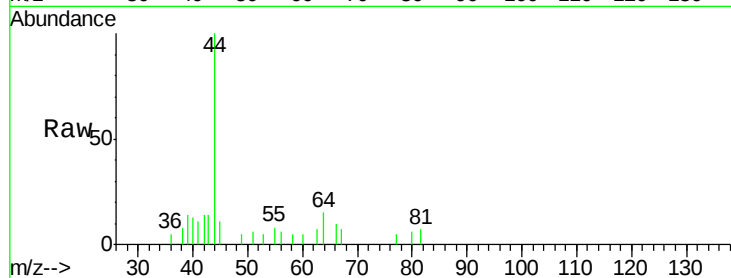
66 66.8 24.5 36.7#

Manual Integrations

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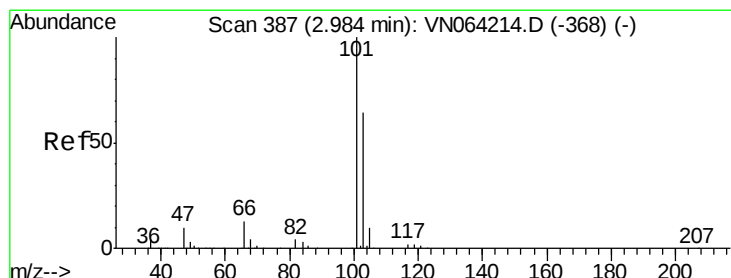
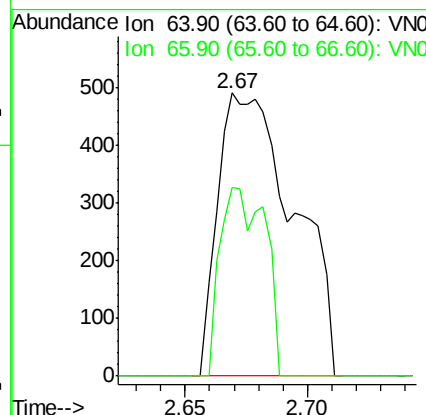
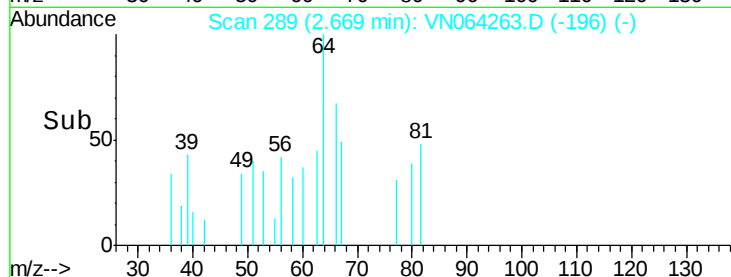


Abundance Ion 63.90 (63.60 to 64.60): VN064214.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN064214.D (-274) (-)

2.67

Time-->



#7

Trichlorofluoromethane

Concen: 0.538 ug/l m

RT: 2.99 min Scan# 390

Delta R.T. 0.01 min

Lab File: VN064263.D

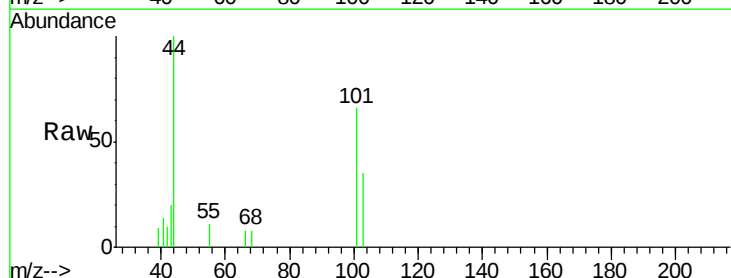
Acq: 22 Oct 2020 20:28

Tgt Ion: 101 Resp: 2574

Ion Ratio Lower Upper

101 100

103 52.8 51.0 76.6

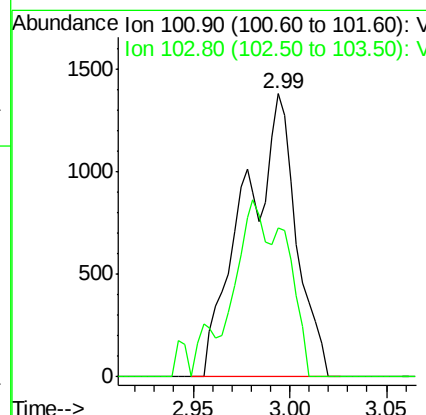
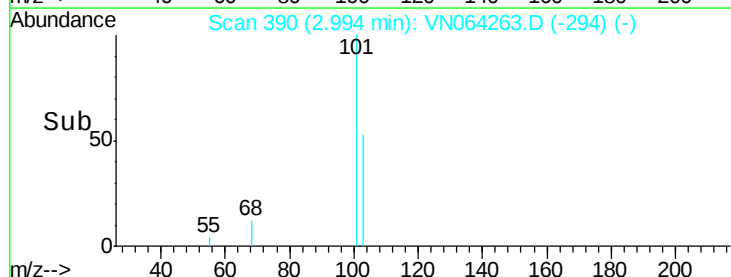


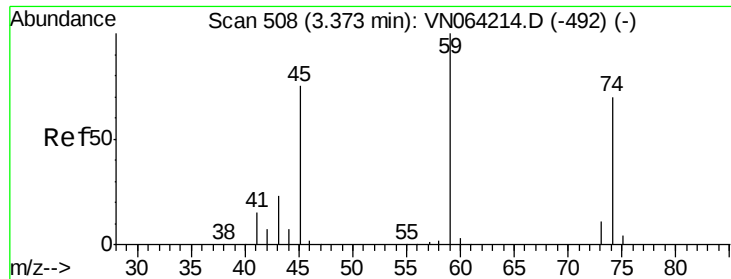
Abundance Ion 100.90 (100.60 to 101.60): VN064214.D (-368) (-)

Ion 102.80 (102.50 to 103.50): VN064214.D (-368) (-)

2.99

Time-->





#8

Diethyl Ether

Concen: 0.266 ug/l

RT: 3.37 min Scan# 507

Delta R.T. -0.00 min

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Tot Ion: 74 Resp: 421

Ion Ratio Lower Upper

74 100

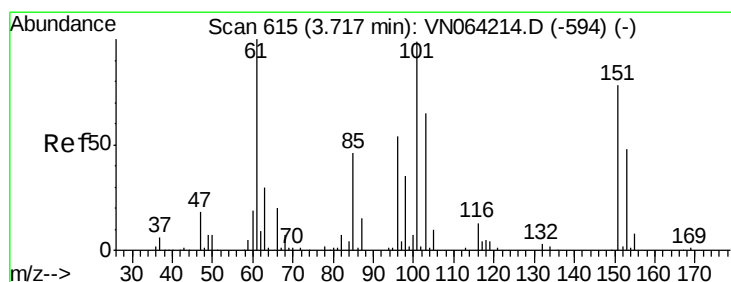
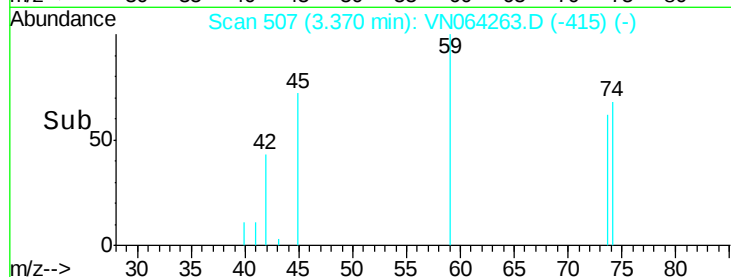
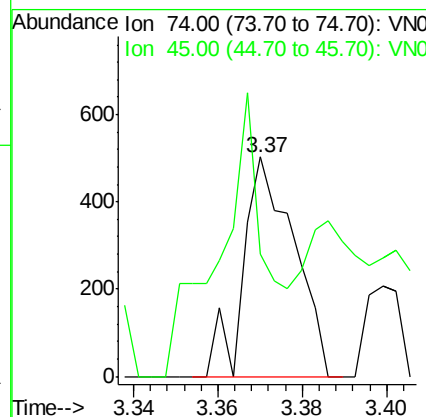
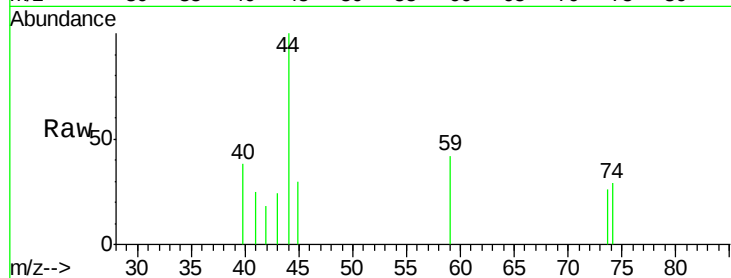
45 118.8 51.3 154.0

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.364 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

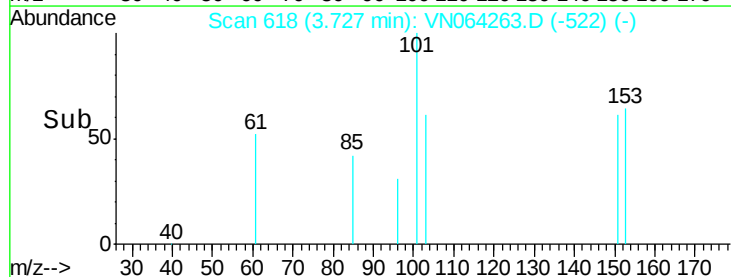
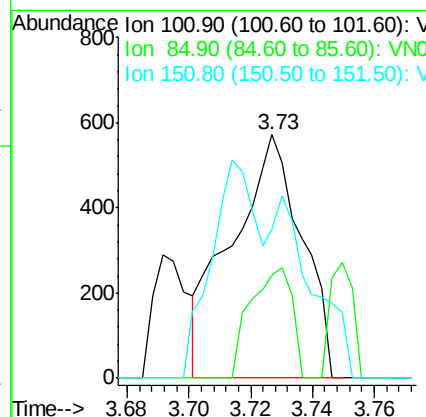
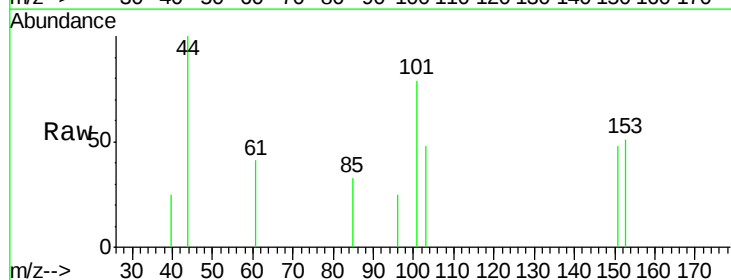
Tgt Ion: 101 Resp: 900

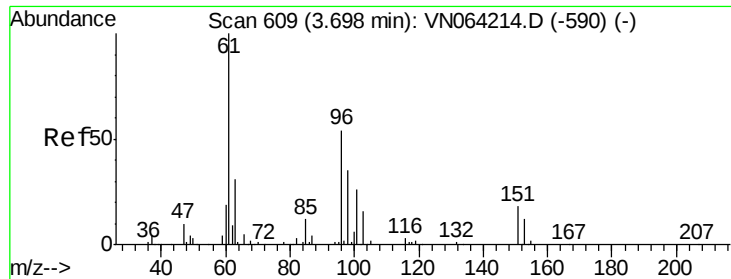
Ion Ratio Lower Upper

101 100

85 26.8 37.8 56.8#

151 59.3 61.4 92.2#





#12

1,1-Dichloroethene

Concen: 0.473 ug/l m

RT: 3.71 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

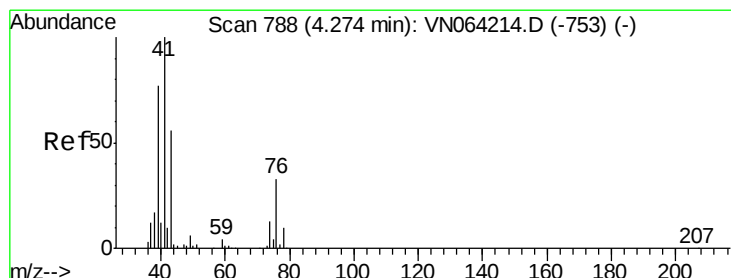
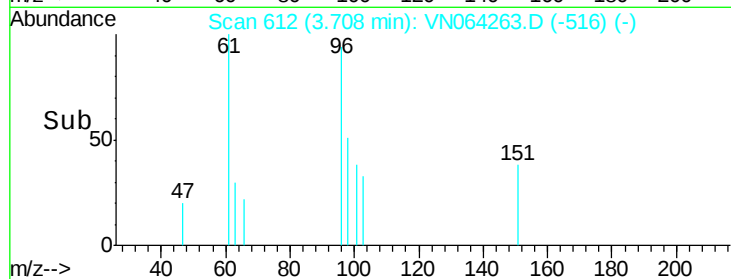
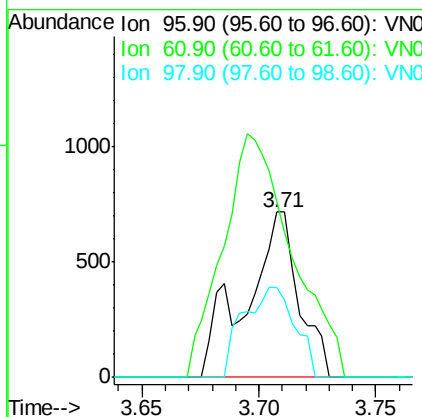
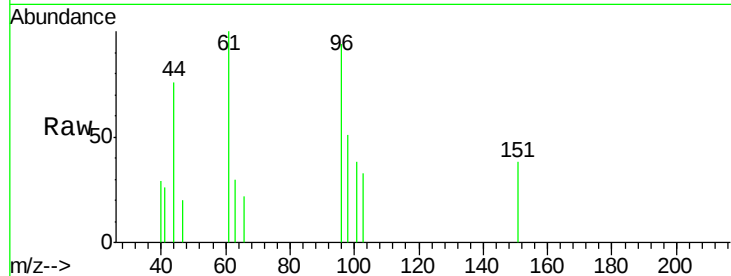
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	1127
Ion	Ratio	Lower	Upper
96	100		
61	106.6	147.0	220.4#
98	54.4	51.7	77.5

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#14

Allyl chloride

Concen: 0.541 ug/l m

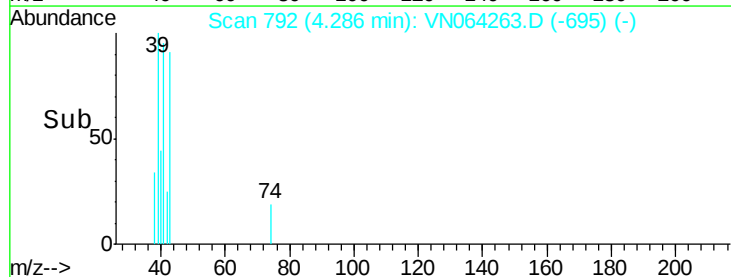
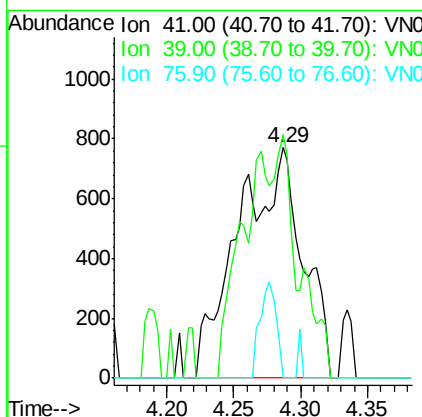
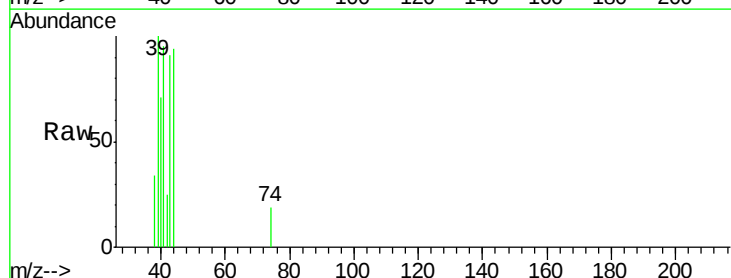
RT: 4.29 min Scan# 792

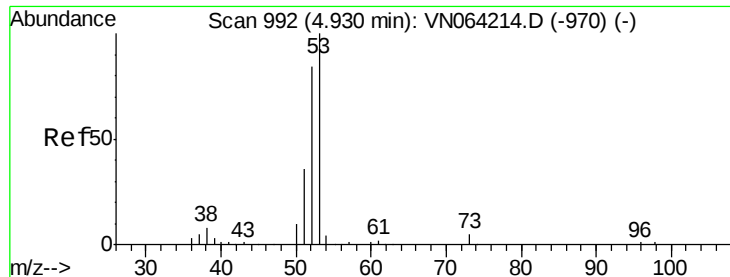
Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	41	Resp:	2578
Ion	Ratio	Lower	Upper
41	100		
39	45.6	58.6	88.0#
76	10.5	24.5	36.7#





#15

Acrylonitrile

Concen: 2.280 ug/l m

RT: 4.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

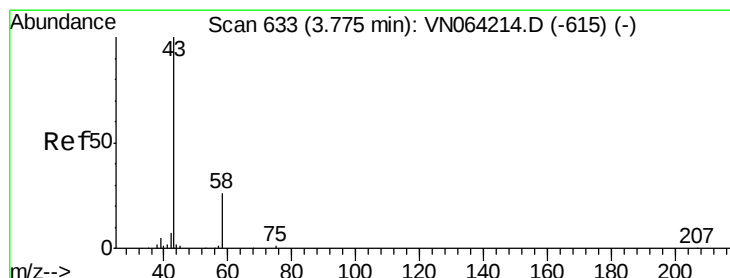
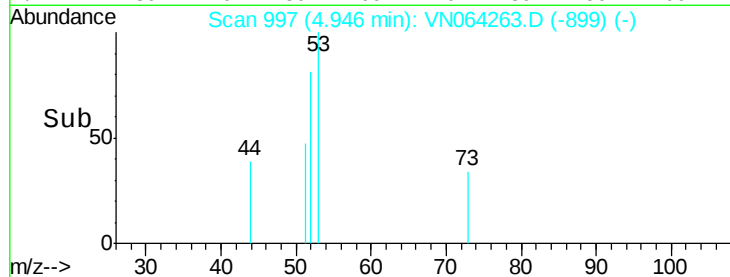
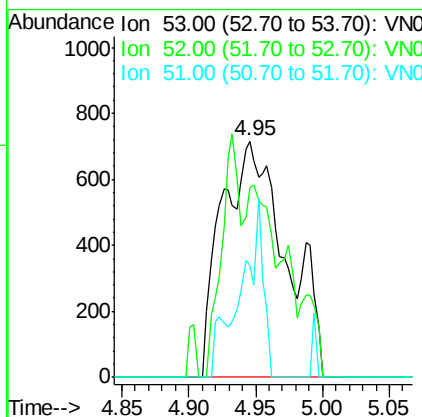
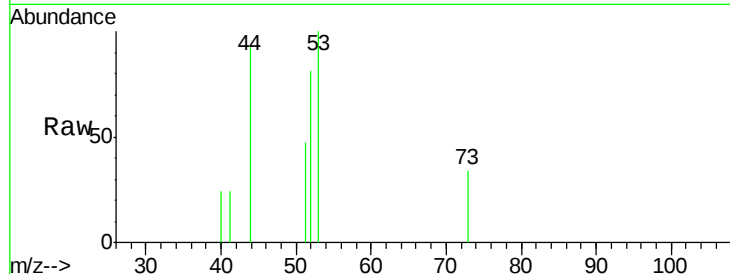
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	53	Resp:	2380
Ion	Ratio	Lower	Upper
53	100		
52	29.7	66.8	100.2#
51	5.4	30.7	46.1#

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#16

Acetone

Concen: 3.798 ug/l m

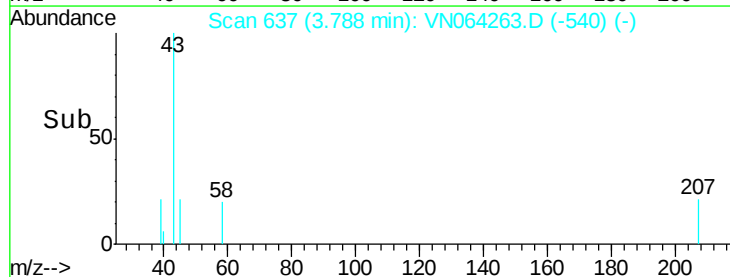
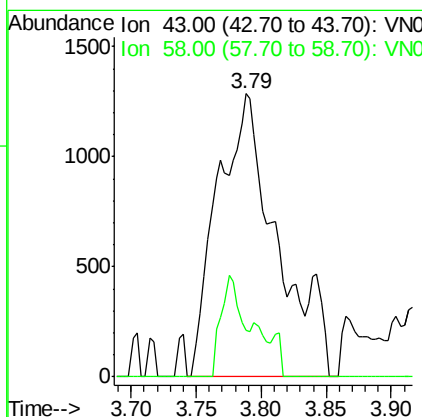
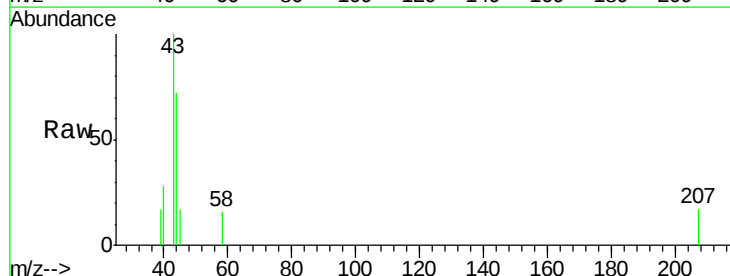
RT: 3.79 min Scan# 637

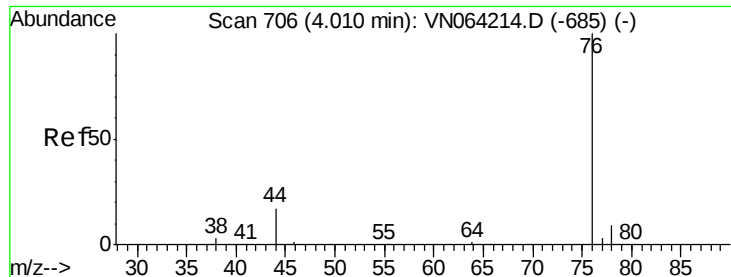
Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	43	Resp:	4099
Ion	Ratio	Lower	Upper
43	100		
58	16.3	21.0	31.4#





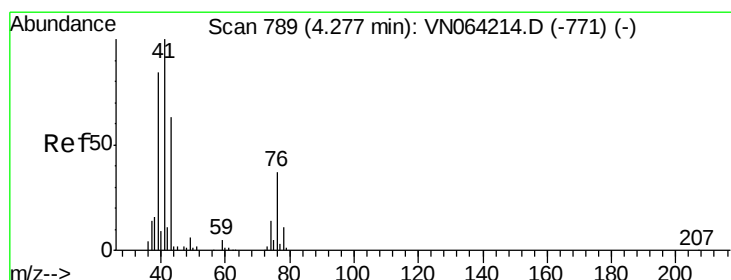
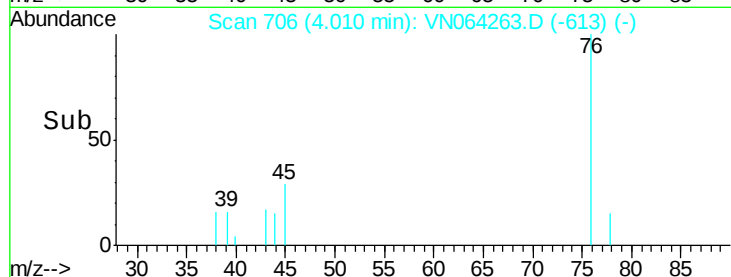
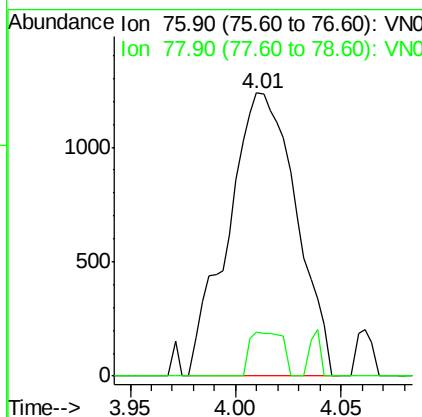
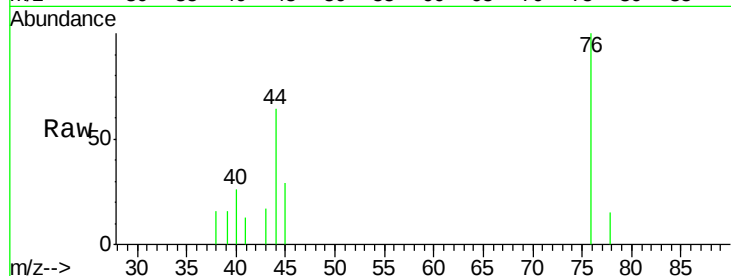
#17
Carbon Disulfide
Concen: 0.409 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion: 76 Resp: 2774
Ion Ratio Lower Upper
76 100
78 15.4 7.1 10.7#

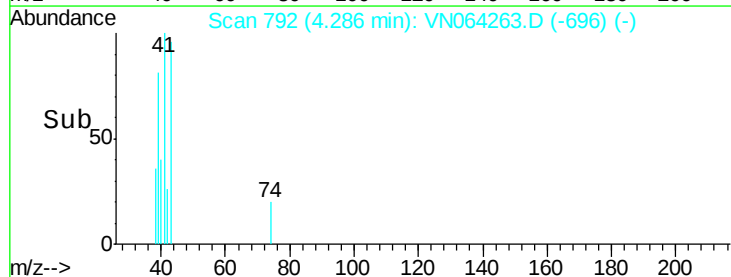
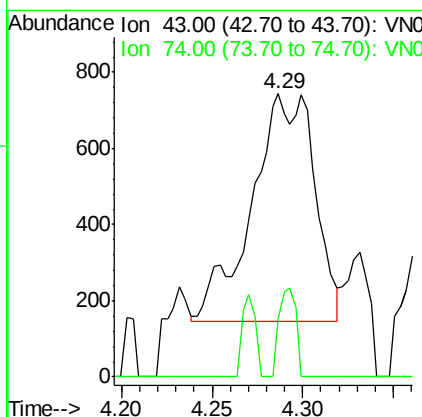
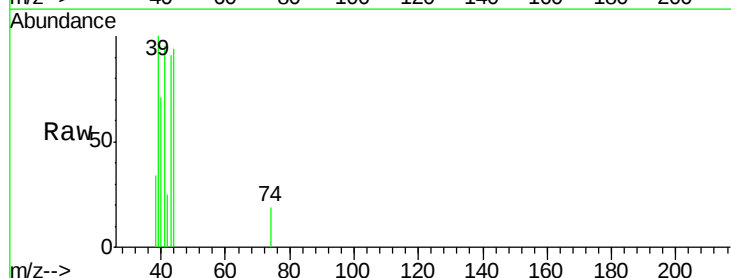
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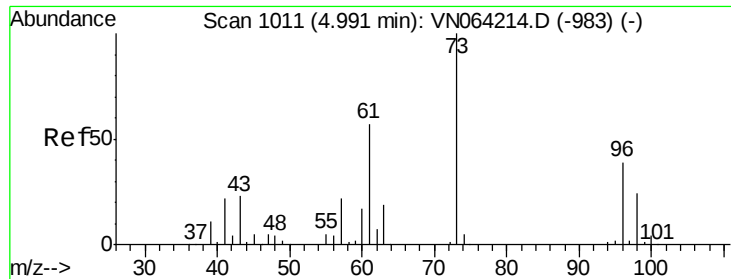
MMDadoda
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#18
Methyl Acetate
Concen: 0.524 ug/l m
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
74 10.6 17.9 26.9#





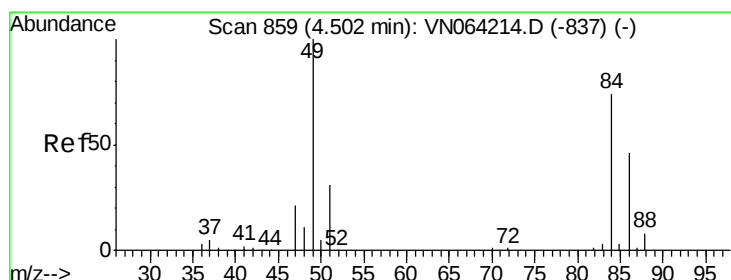
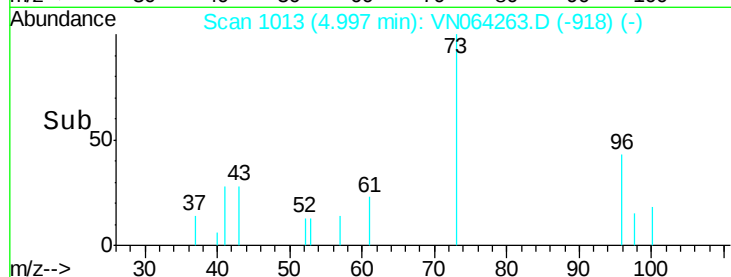
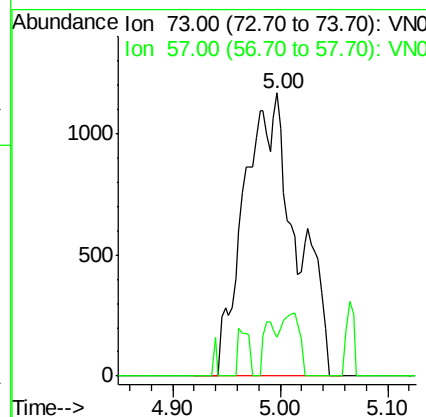
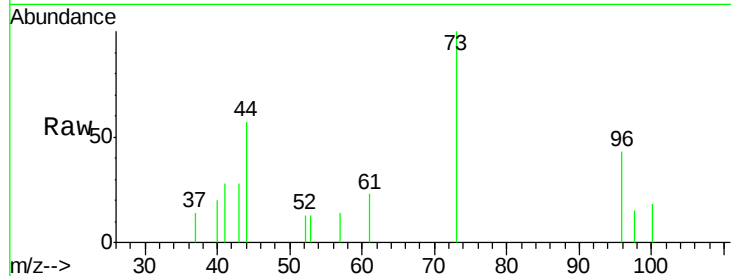
#19
Methvl tert-butvl Ether
Concen: 0.482 ug/l m
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion: 73 Resp: 3945
Ion Ratio Lower Upper
73 100
57 13.8 18.0 27.0#

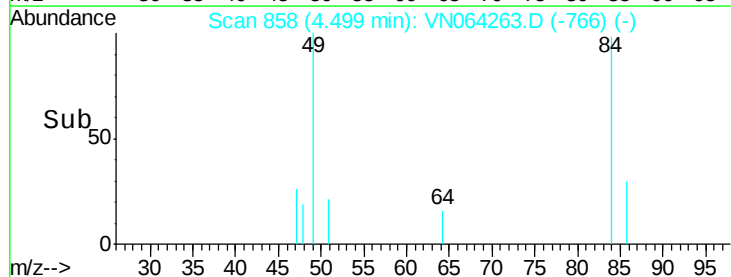
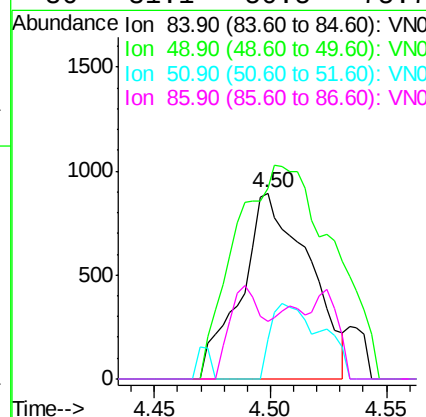
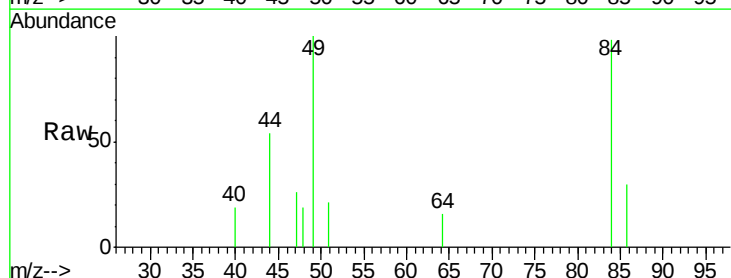
Manual Integrations
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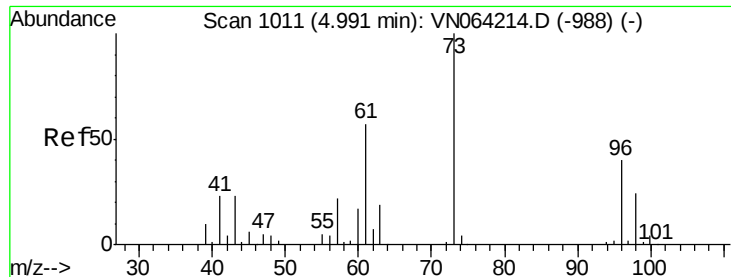
MMDadoda
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#20
Methylene Chloride
Concen: 0.632 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion: 84 Resp: 1820
Ion Ratio Lower Upper
84 100
49 102.2 108.5 162.7#
51 21.4 33.8 50.8#
86 31.1 50.5 75.7#





#21

trans-1,2-Dichloroethene

Concen: 0.491 ug/l m

RT: 5.00 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

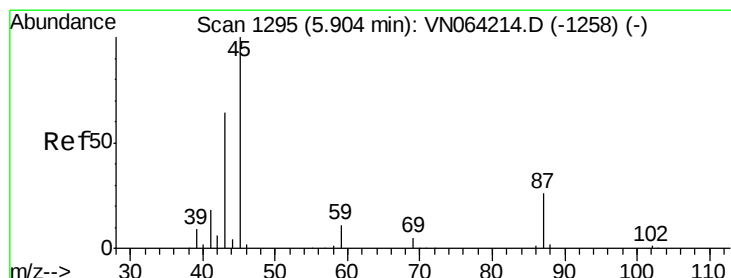
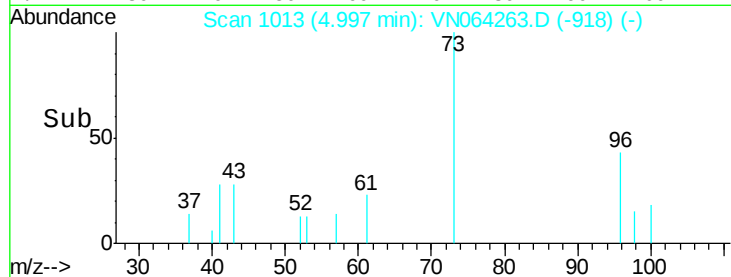
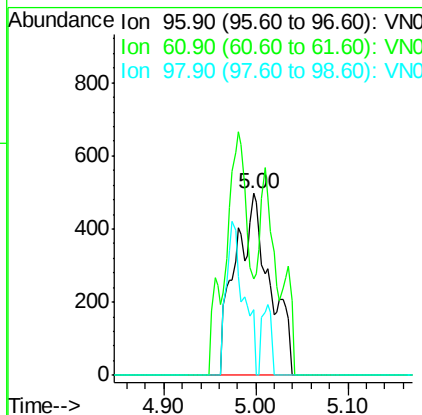
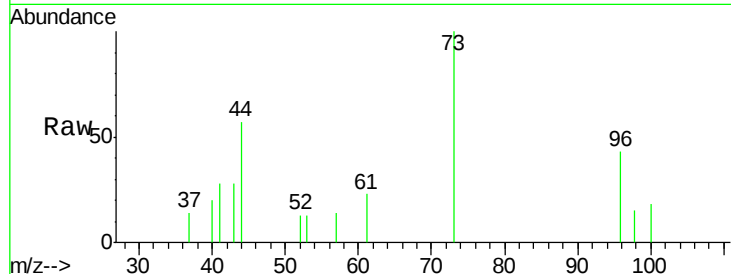
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	1290
Ion	Ratio	Lower	Upper
96	100		
61	52.8	115.8	173.6#
98	36.1	49.4	74.0#

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.514 ug/l m

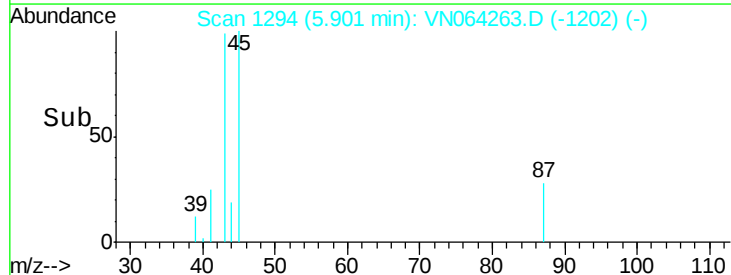
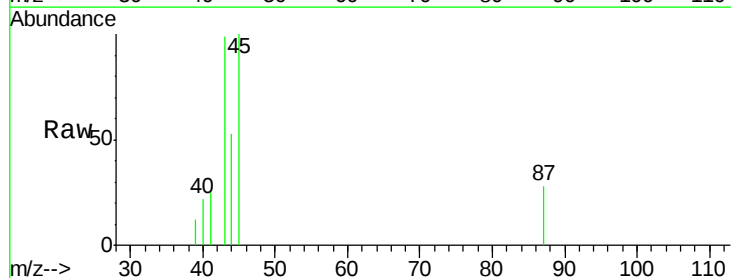
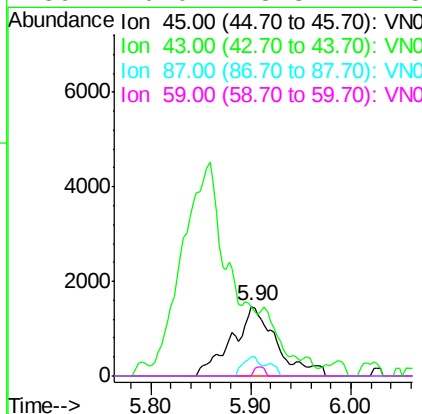
RT: 5.90 min Scan# 1294

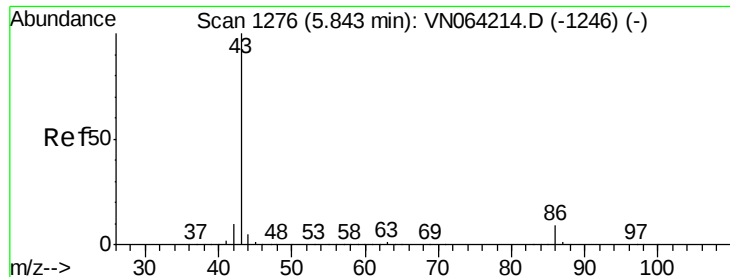
Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	45	Resp:	4550
Ion	Ratio	Lower	Upper
45	100		
43	99.3	52.2	78.4#
87	28.5	21.4	32.0
59	0.0	8.3	12.5#





#23

Vinyl Acetate

Concen: 1.546 ug/l

RT: 5.86 min Scan# 1281

Delta R.T. 0.02 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 12208

Ion Ratio Lower Upper

43 100

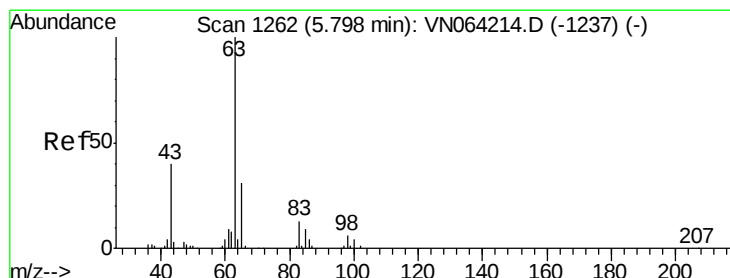
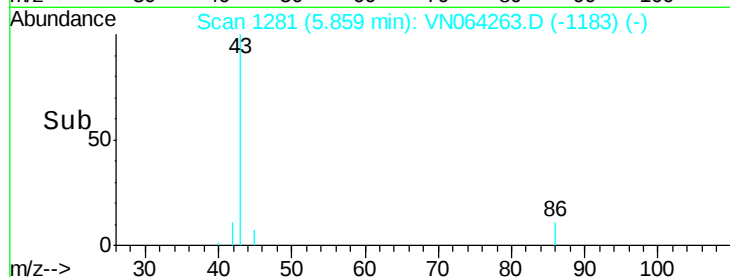
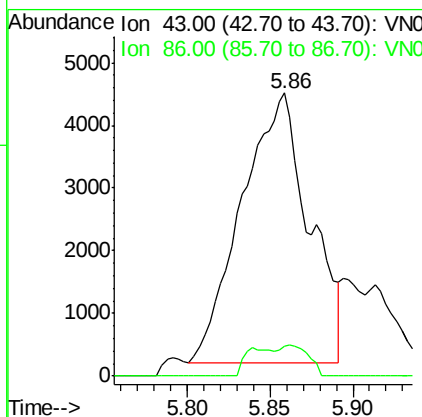
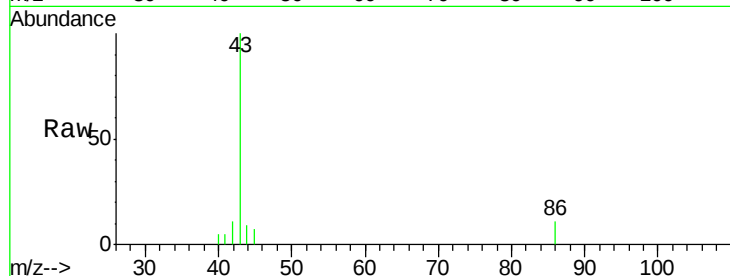
86 11.2 7.4 11.0#

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#24

1,1-Dichloroethane

Concen: 0.429 ug/l m

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

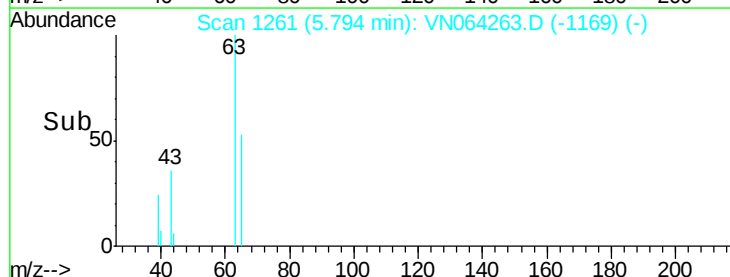
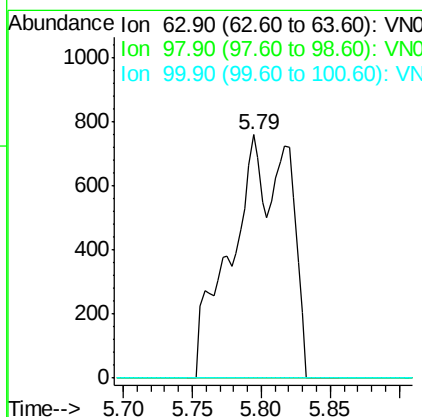
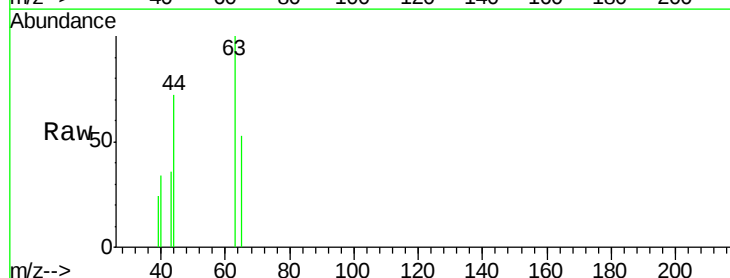
Tgt Ion: 63 Resp: 2200

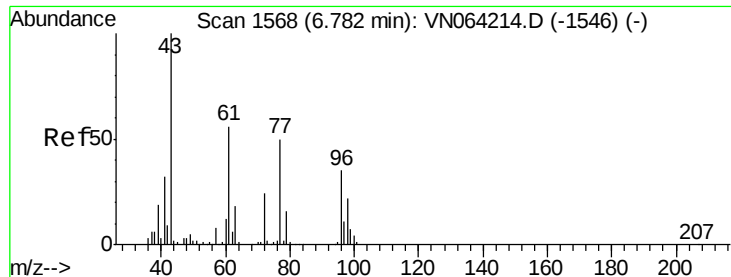
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 2.406 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 4126

Ion Ratio Lower Upper

43 100

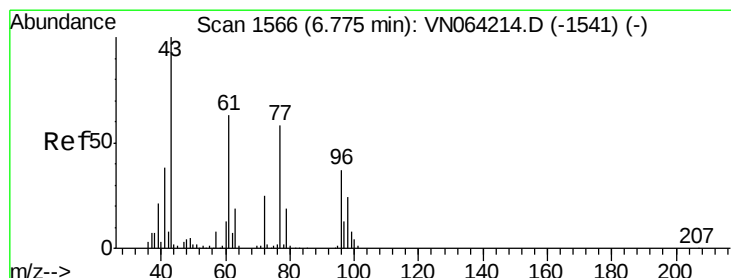
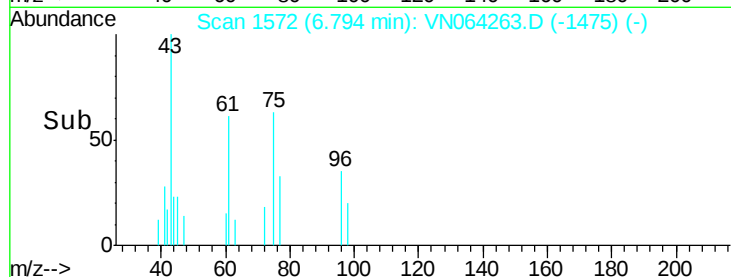
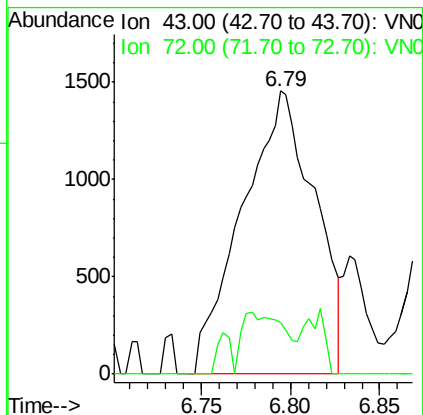
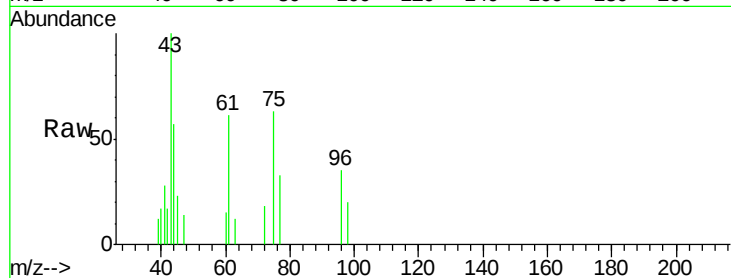
72 18.3 19.4 29.0#

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#26

2,2-Dichloropropane

Concen: 0.463 ug/l m

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064263.D

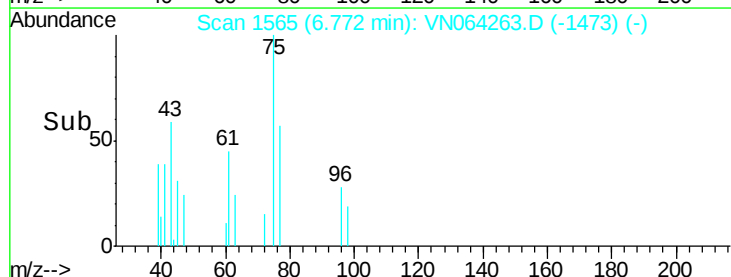
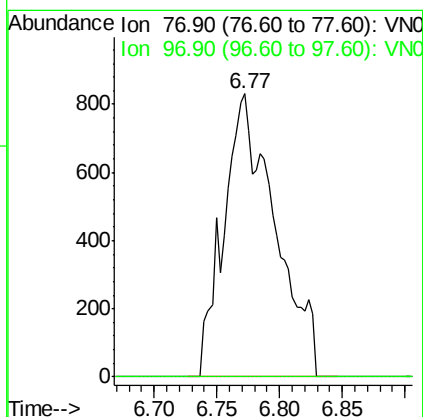
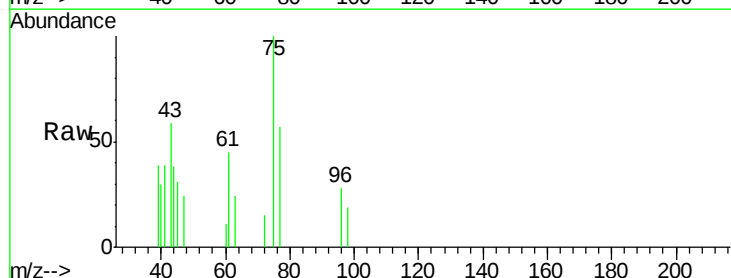
Acq: 22 Oct 2020 20:28

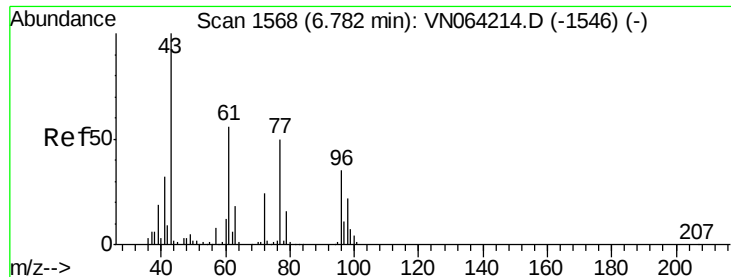
Tgt Ion: 77 Resp: 2363

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#27

cis-1,2-Dichloroethene

Concen: 0.565 ug/l m

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

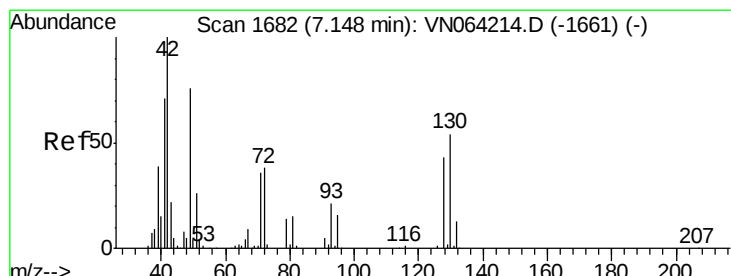
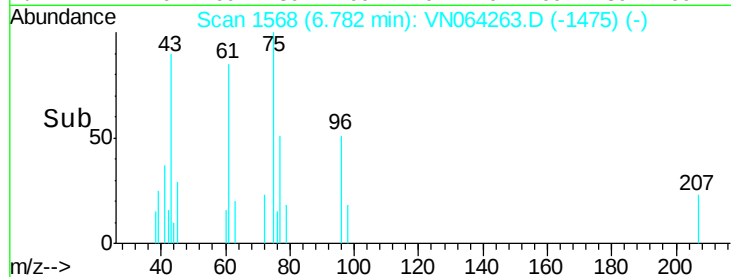
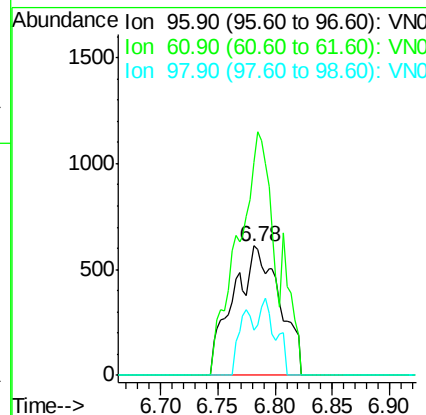
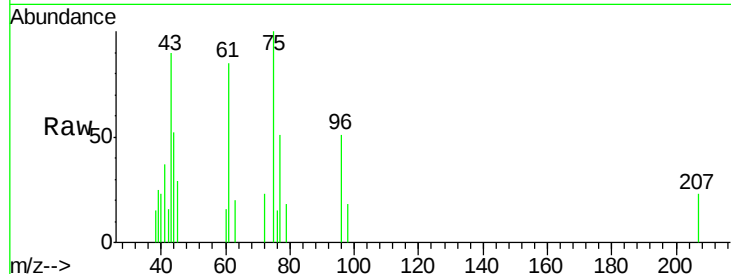
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	1727
Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	330.0
98	22.0	0.0	130.6

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#28

Bromochloromethane

Concen: 0.446 ug/l

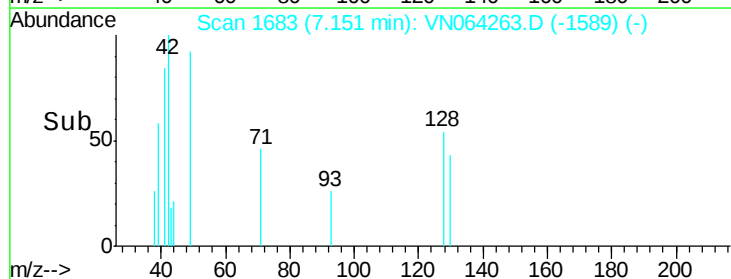
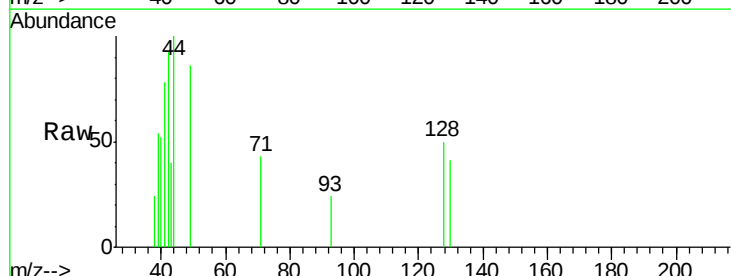
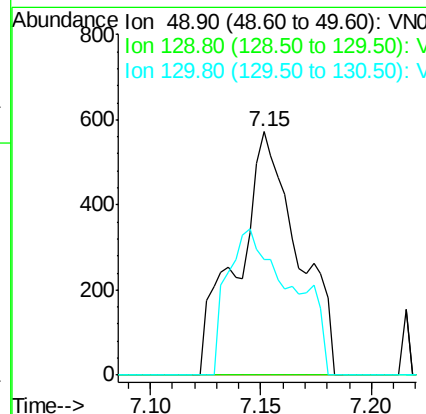
RT: 7.15 min Scan# 1683

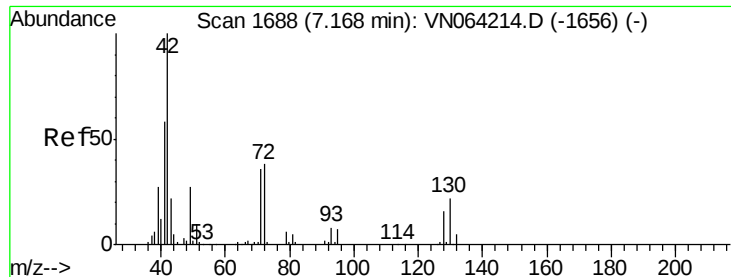
Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	49	Resp:	1088
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	64.3	58.8	88.2





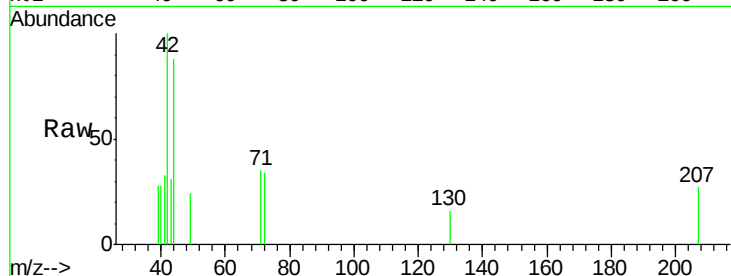
#29
Tetrahydrofuran
Concen: 2.896 ug/l m
RT: 7.18 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

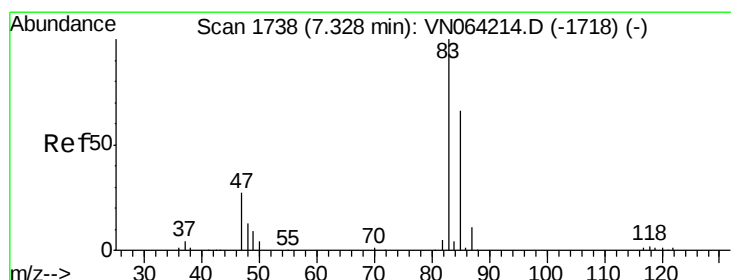
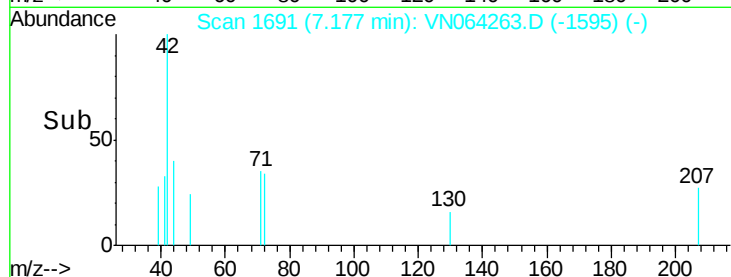
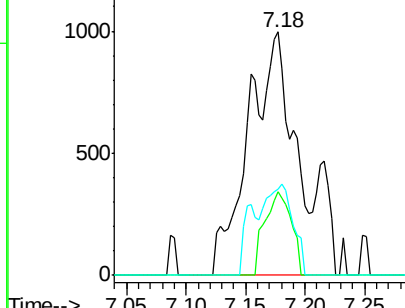
Tot Ion	Ratio	Lower	Upper
42	100		
72	17.7	30.8	46.2#
71	20.2	29.0	43.6#

Manual Integrations
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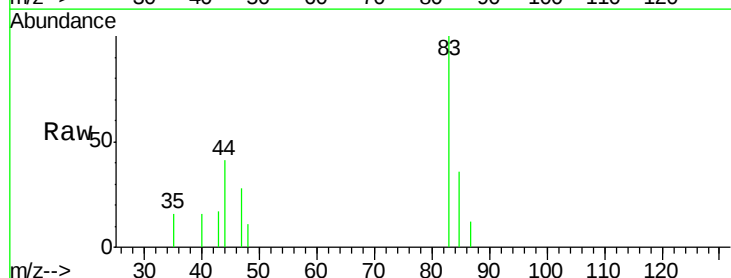


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

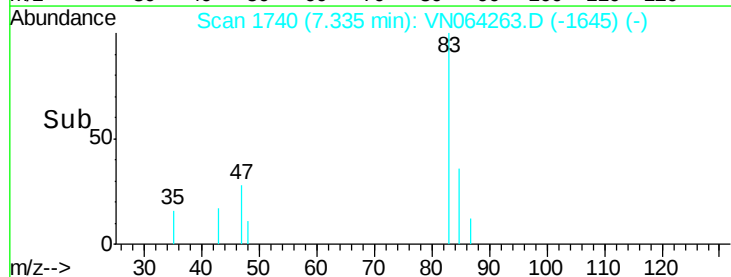
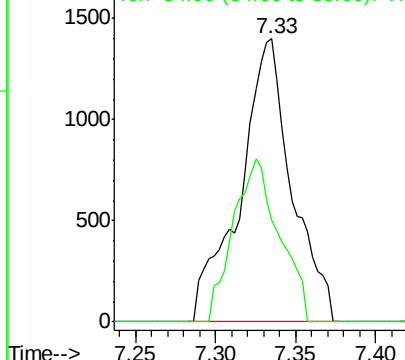


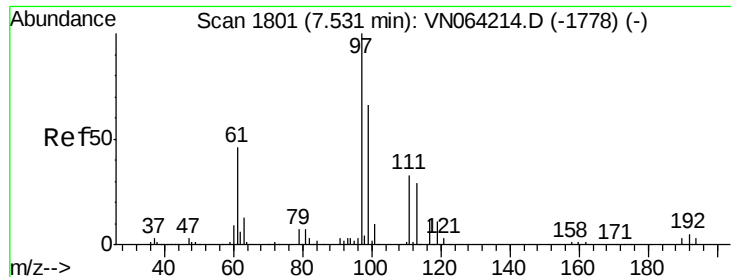
#30
Chloroform
Concen: 0.571 ug/l
RT: 7.33 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	35.7	52.5	78.7#



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC





#32

1,1,1-Trichloroethane

Concen: 0.449 ug/l m

RT: 7.53 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

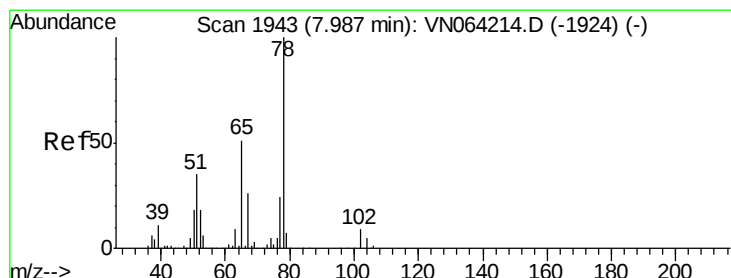
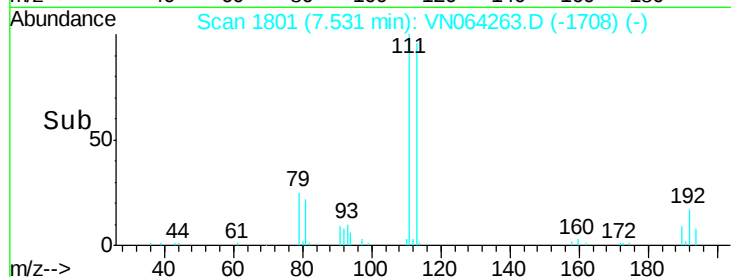
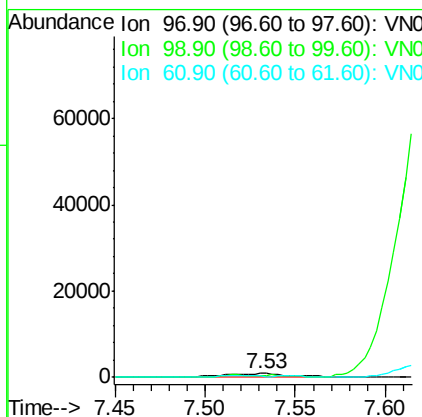
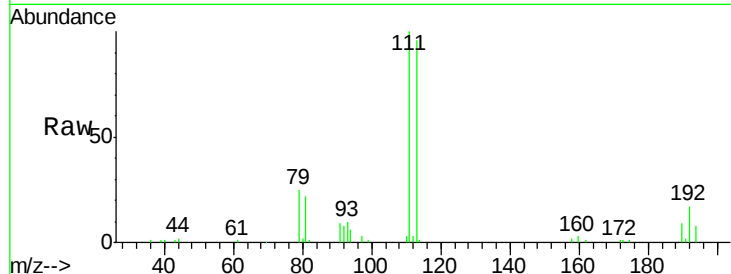
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	97	Resp:	2303
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.2	76.8#
61	18.9	36.3	54.5#

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#33

1,2-Dichloroethane-d4

Concen: 51.683 ug/l

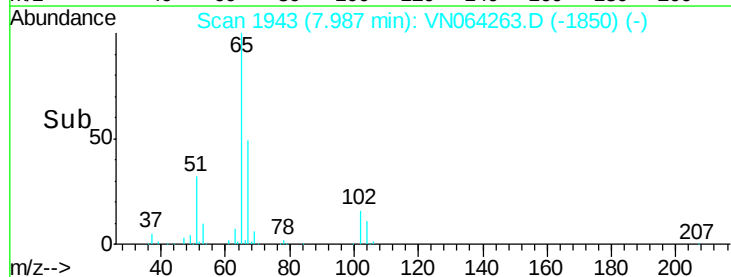
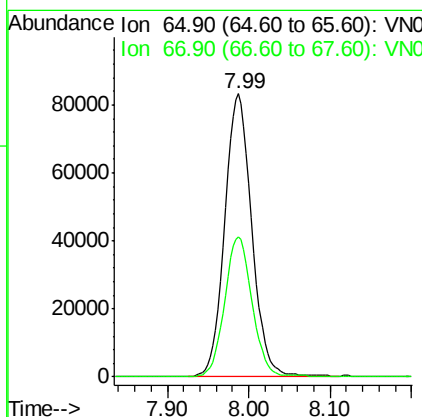
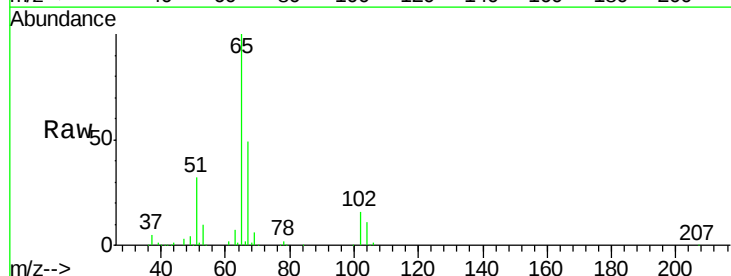
RT: 7.99 min Scan# 1943

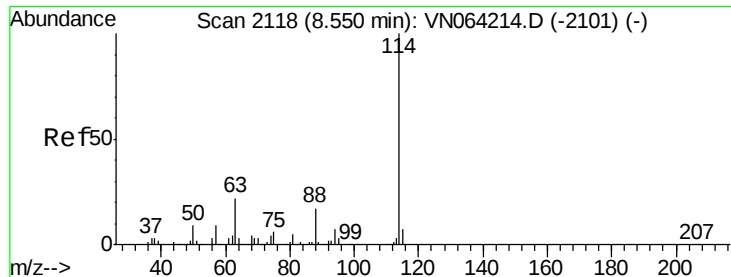
Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	65	Resp:	194946
Ion Ratio	Lower	Upper	
65	100		
67	49.9	0.0	100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

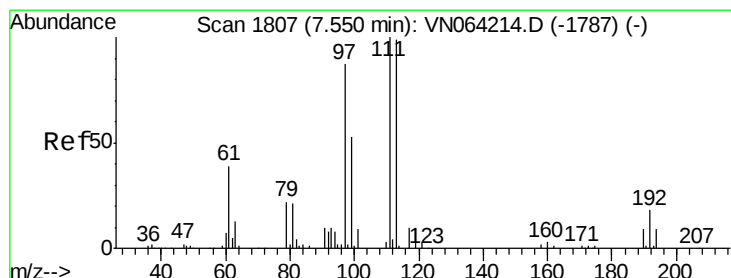
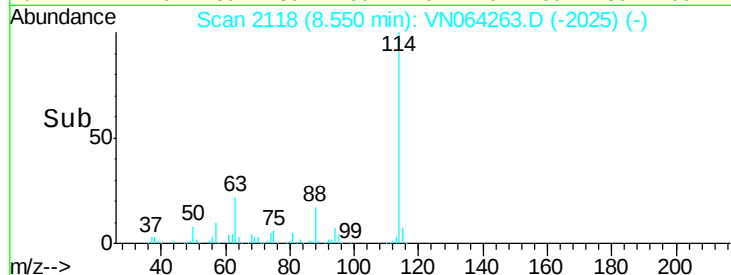
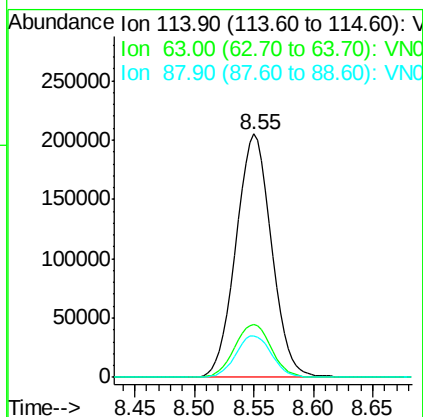
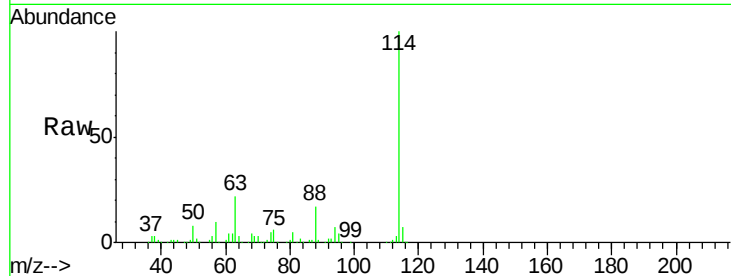
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
114	100	425521		
63	21.8	0.0	44.0	
88	16.9	0.0	34.2	

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#35

Dibromofluoromethane

Concen: 47.792 ug/l

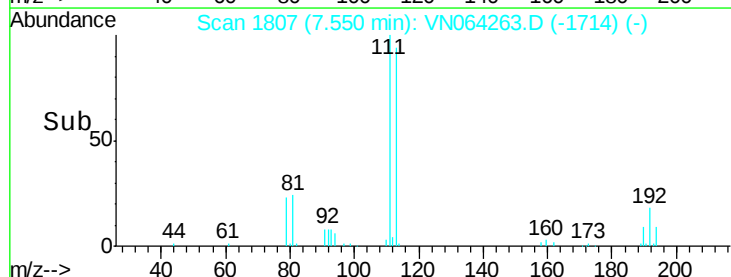
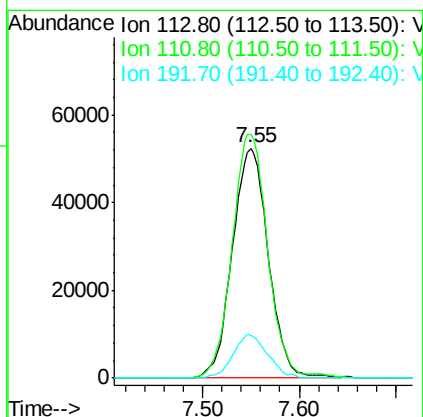
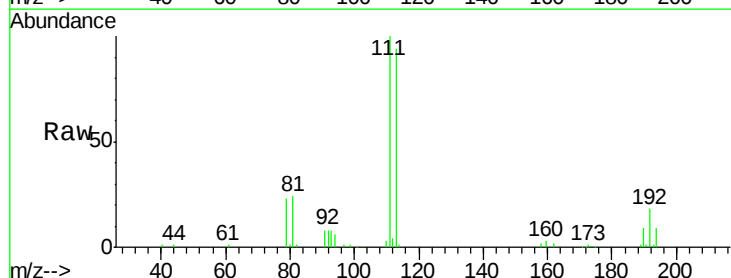
RT: 7.55 min Scan# 1807

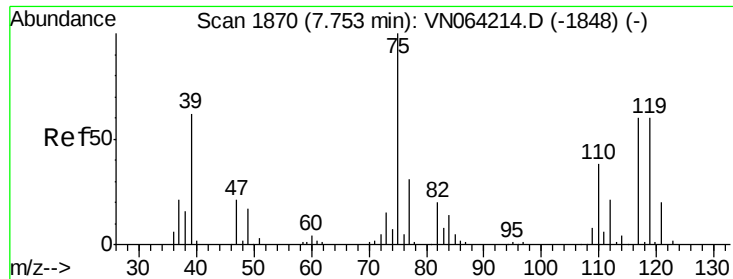
Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	135206		
111	104.0	84.2	126.2	
192	18.3	15.2	22.8	





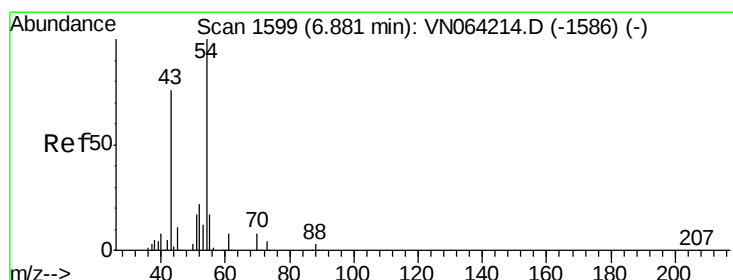
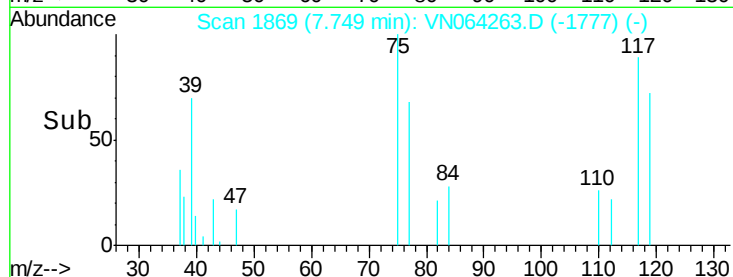
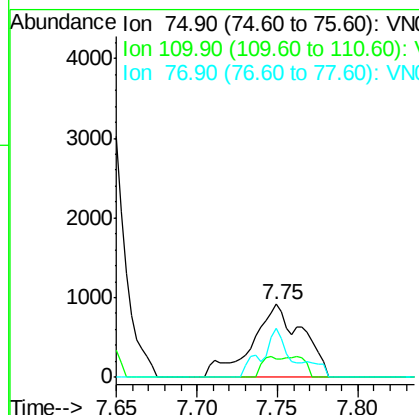
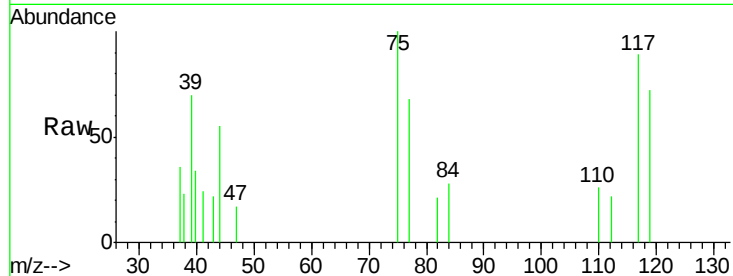
#36
 1,1-Dichloropropene
 Concen: 0.470 ug/l m
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.2	51.6#
77	34.9	24.9	37.3

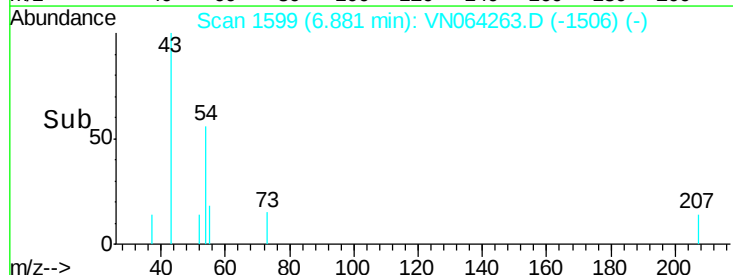
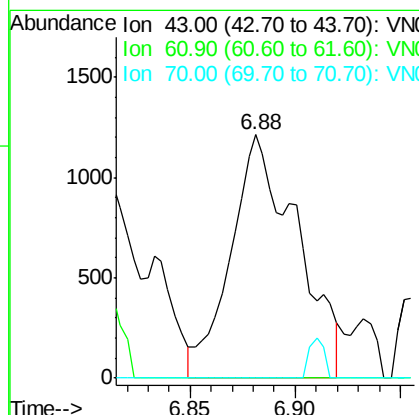
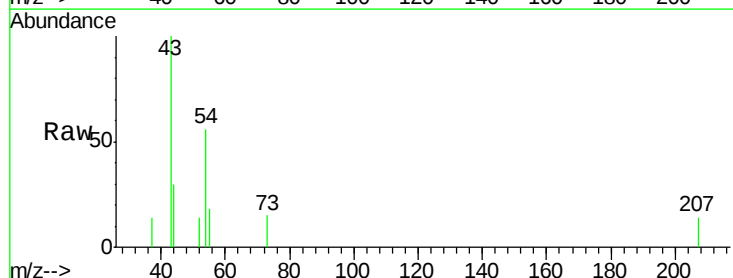
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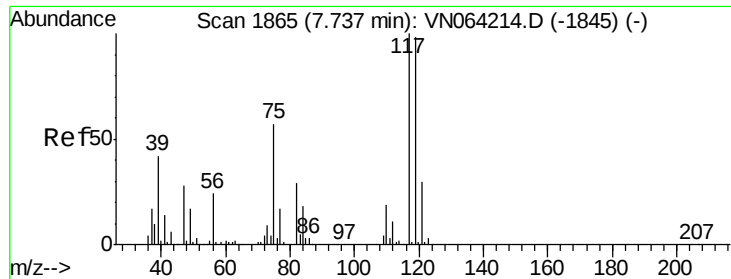
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.690 ug/l m
 RT: 6.88 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.5	11.3#





#38

Carbon Tetrachloride

Concen: 0.486 ug/l m

RT: 7.73 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

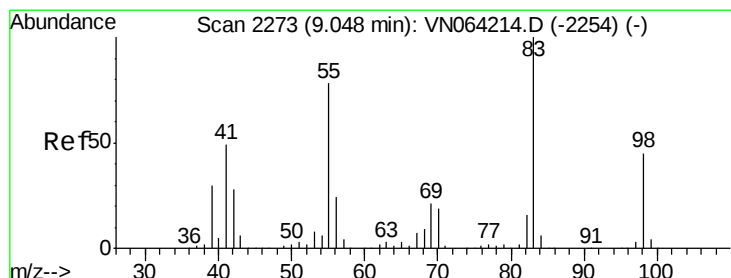
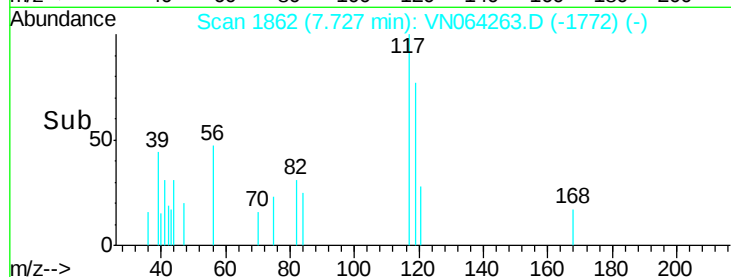
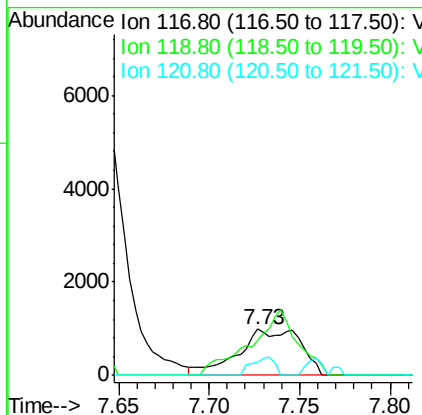
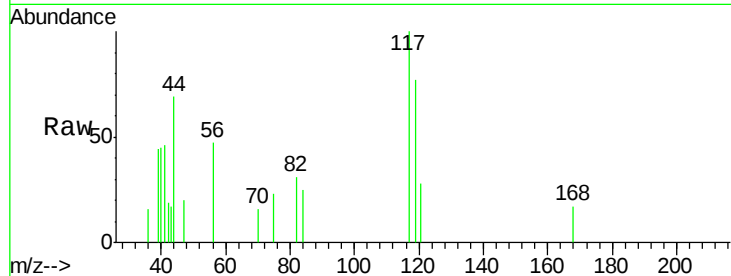
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	117	Resp:	2347
Ion	Ratio	Lower	Upper
117	100		
119	77.4	78.5	117.7#
121	28.2	24.3	36.5

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#39

Methylcyclohexane

Concen: 0.483 ug/l m

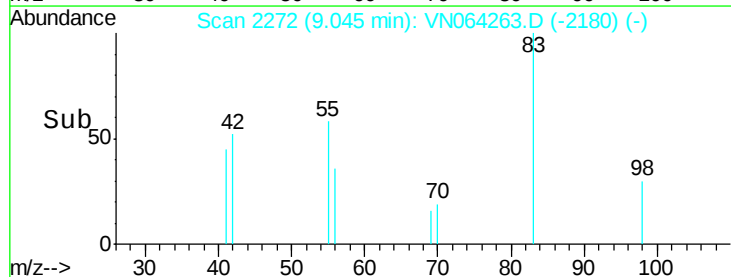
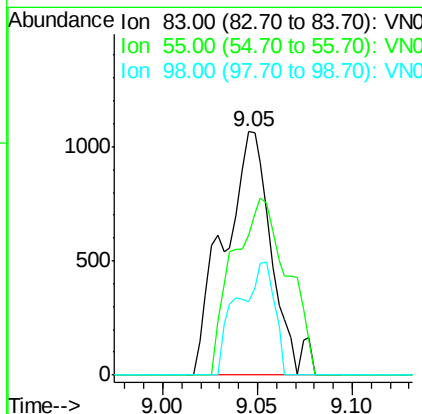
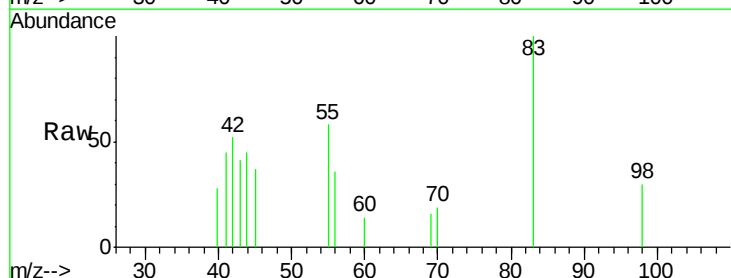
RT: 9.05 min Scan# 2272

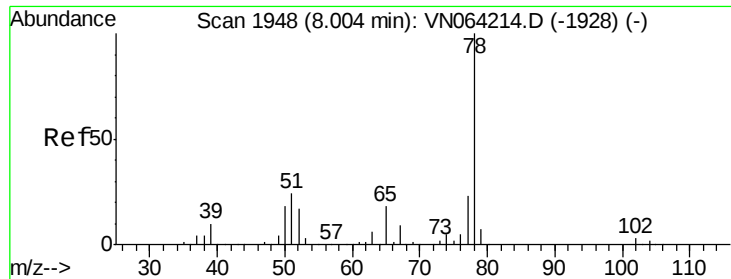
Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	83	Resp:	1862
Ion	Ratio	Lower	Upper
83	100		
55	57.7	62.2	93.2#
98	30.1	35.9	53.9#





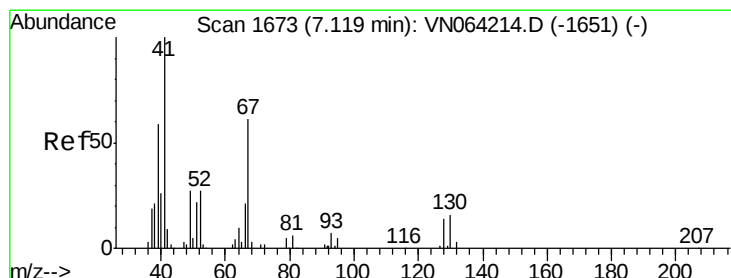
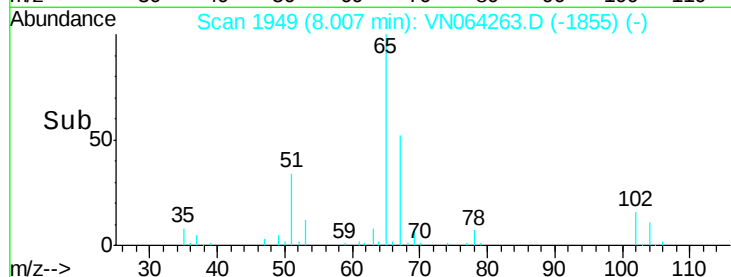
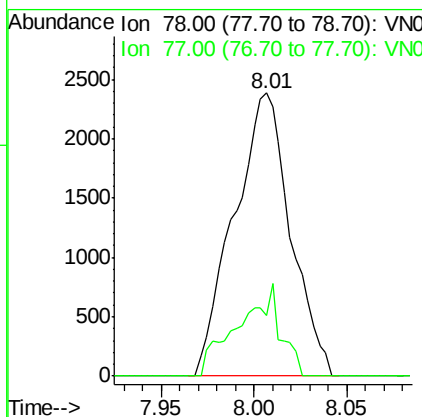
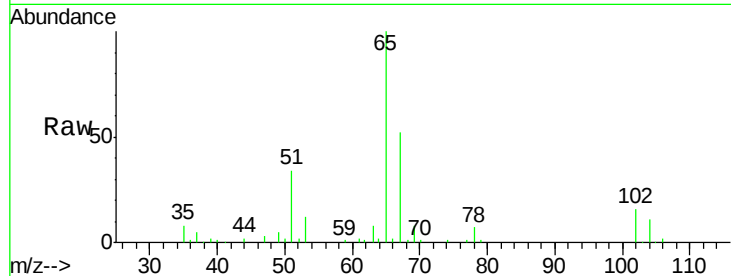
#40
Benzene
Concen: 0.433 ug/l
RT: 8.01 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion: 78 Resp: 5075
Ion Ratio Lower Upper
78 100
77 21.5 18.3 27.5

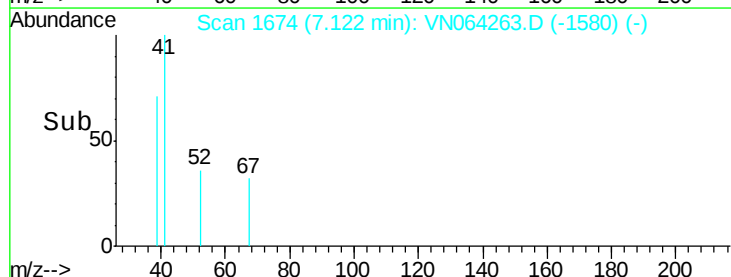
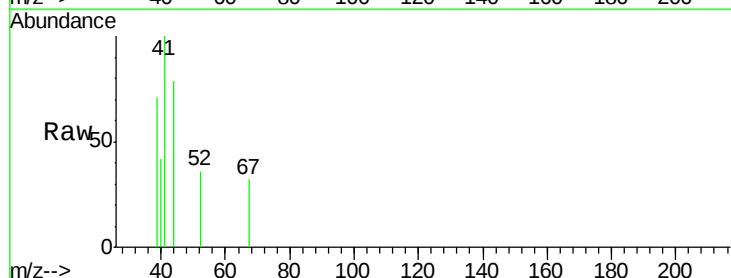
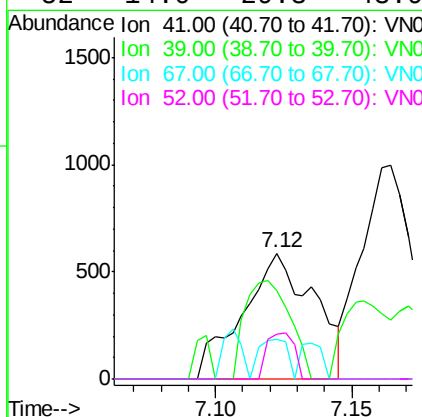
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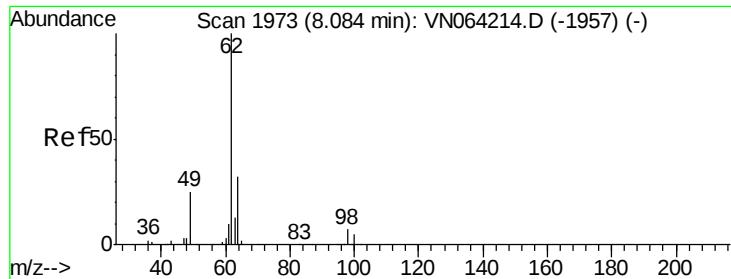
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#41
Methacrylonitrile
Concen: 0.527 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion: 41 Resp: 1065
Ion Ratio Lower Upper
41 100
39 49.3 50.5 75.7#
67 12.6 63.2 94.8#
52 14.0 29.3 43.9#





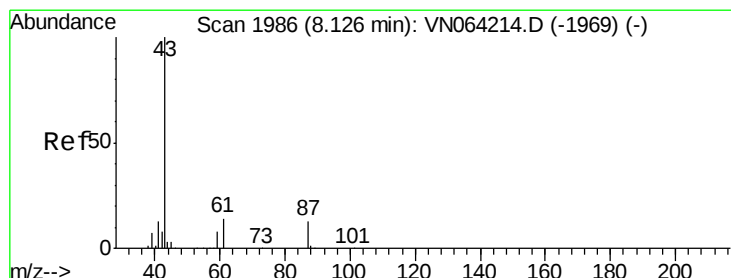
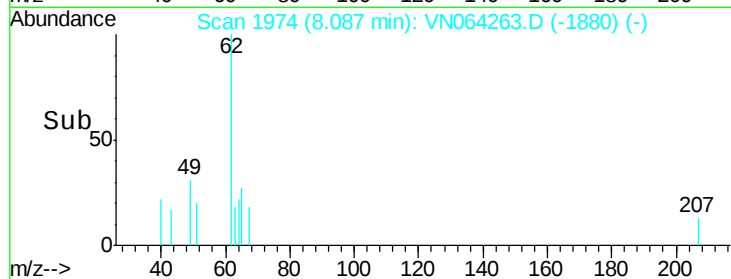
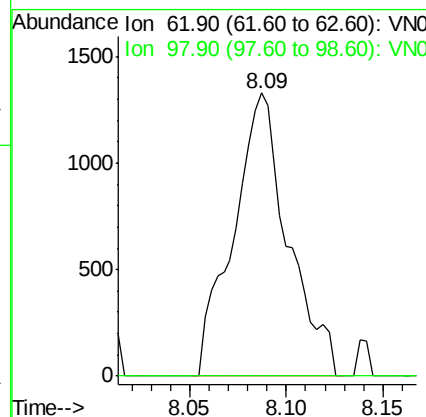
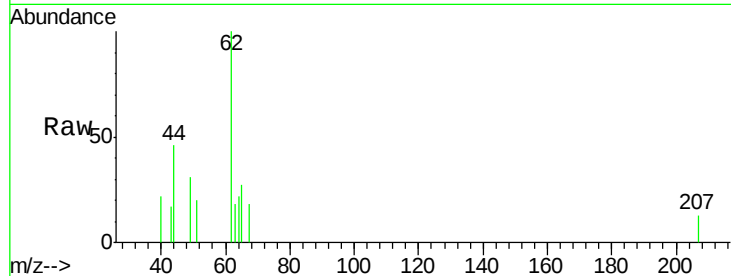
#42
 1,2-Dichloroethane
 Concen: 0.520 ug/l
 RT: 8.09 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Resp	Lower	Upper
62	100	2611		
98	0.0	0.0	0.0	15.0

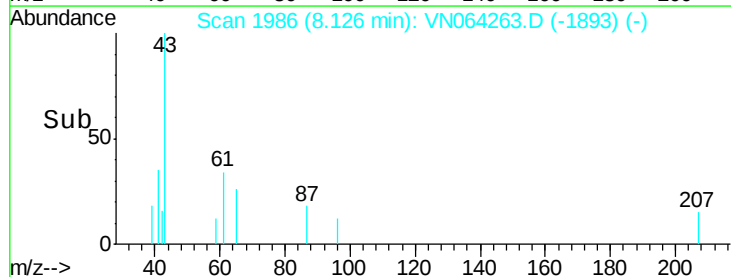
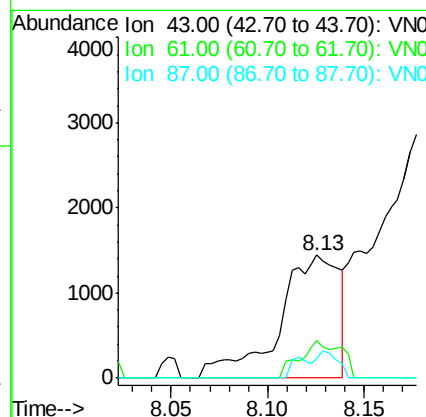
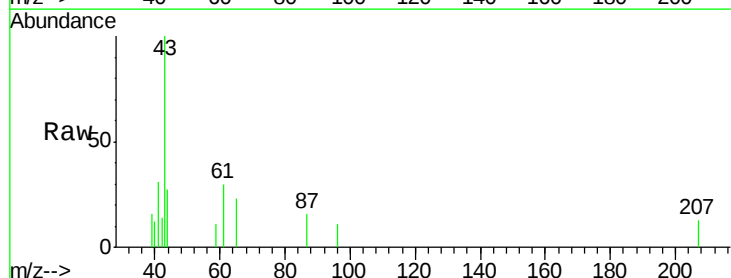
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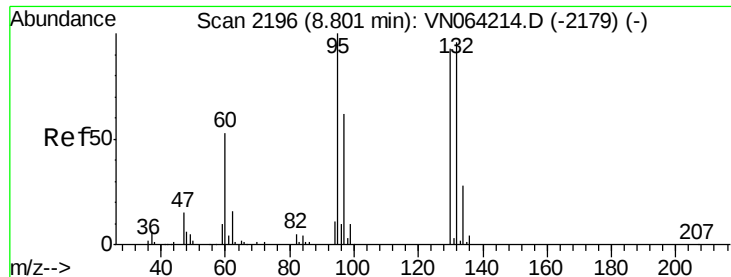
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#43
 Isopropyl Acetate
 Concen: 0.436 ug/l
 RT: 8.13 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3129		
61	20.6	19.6	19.6	29.4
87	7.5	9.8	9.8	14.6#





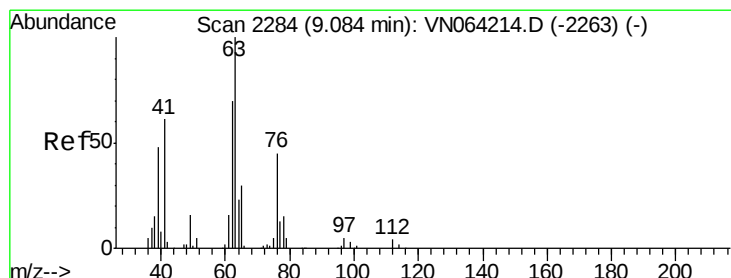
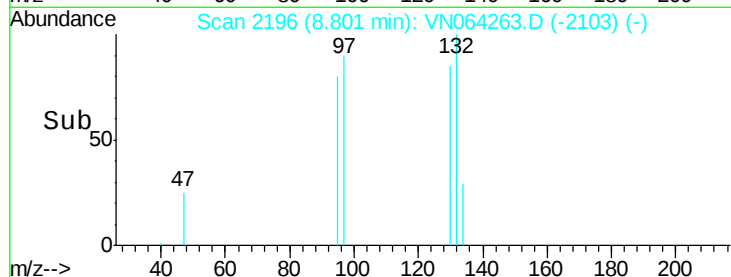
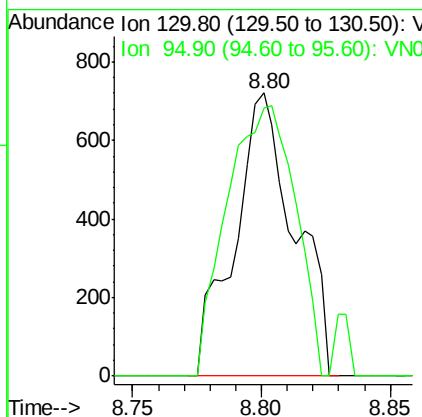
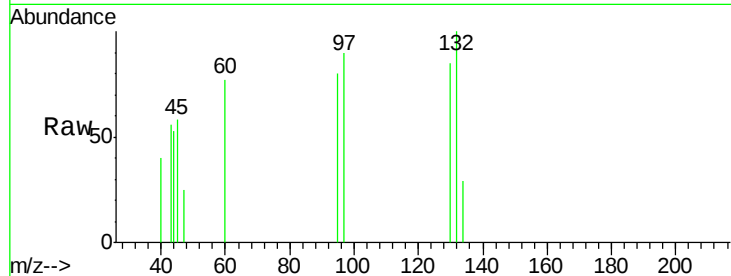
#44
 Trichloroethene
 Concen: 0.367 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion:130 Resp: 1171
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 214.0

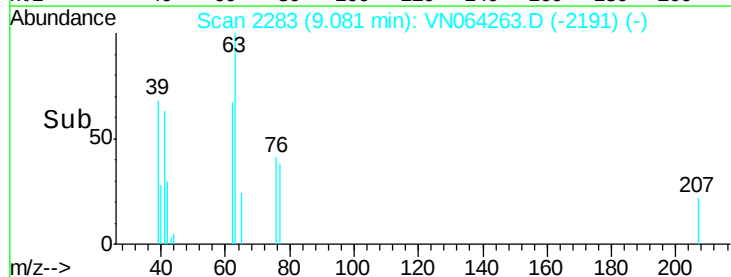
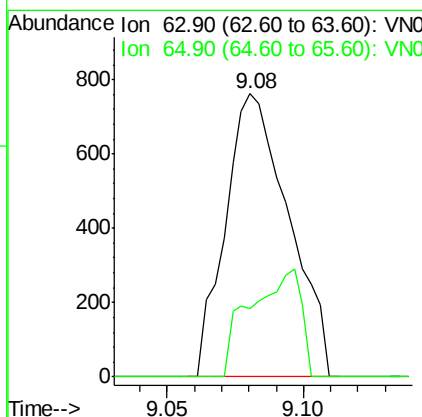
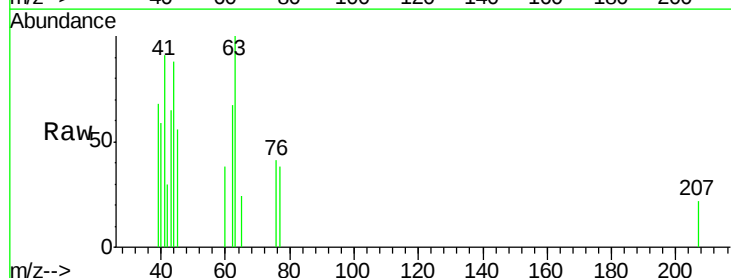
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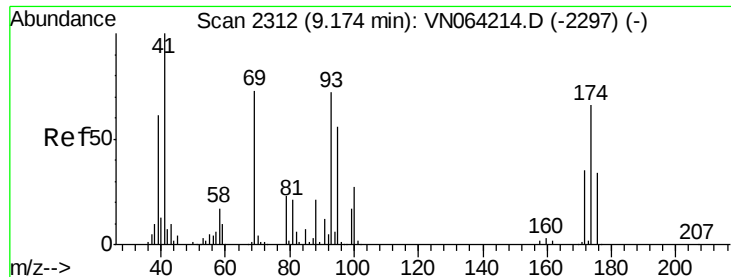
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#45
 1,2-Dichloropropane
 Concen: 0.393 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion: 63 Resp: 1228
 Ion Ratio Lower Upper
 63 100
 65 24.0 24.0 36.0





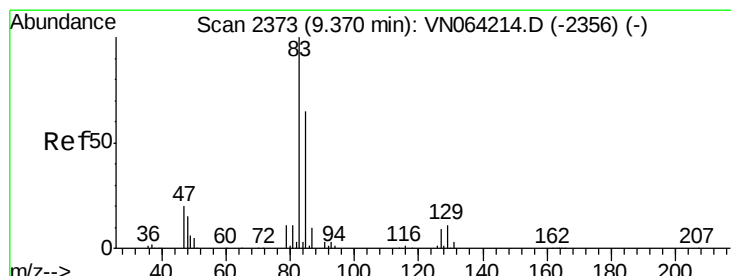
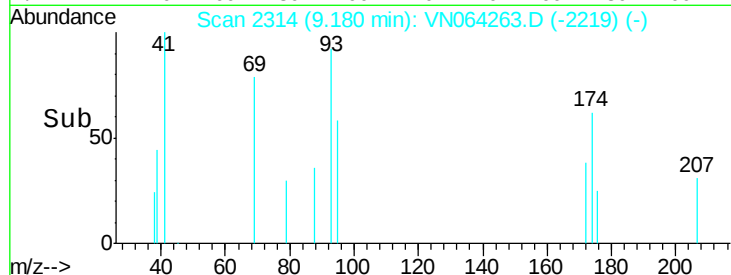
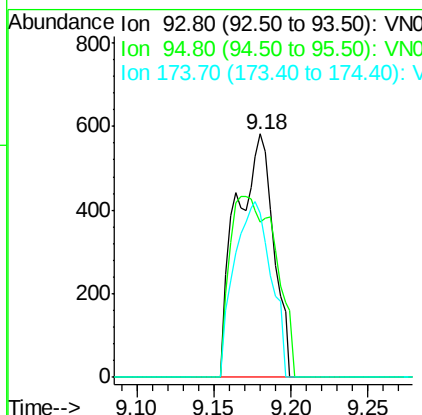
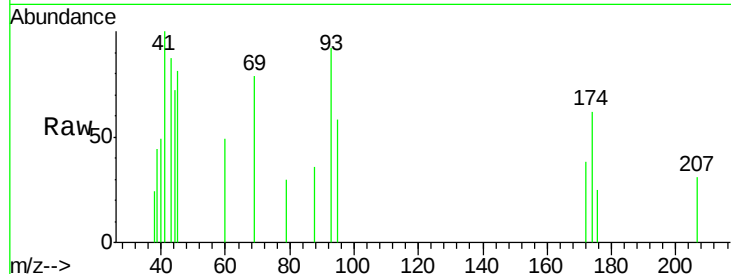
#46
Dibromomethane
Concen: 0.460 ug/l m
RT: 9.18 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion: 93 Resp: 966
Ion Ratio Lower Upper
93 100
95 92.5 63.0 94.4
174 71.2 72.9 109.3#

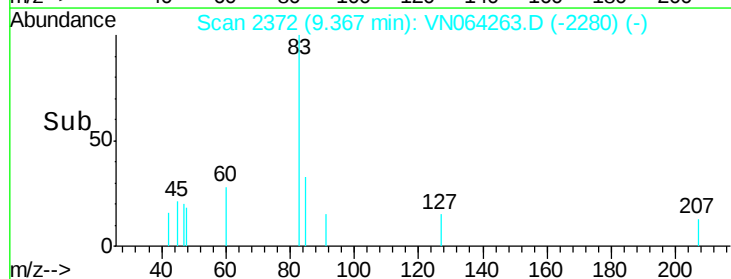
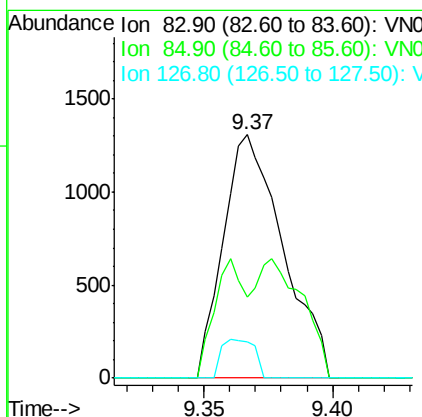
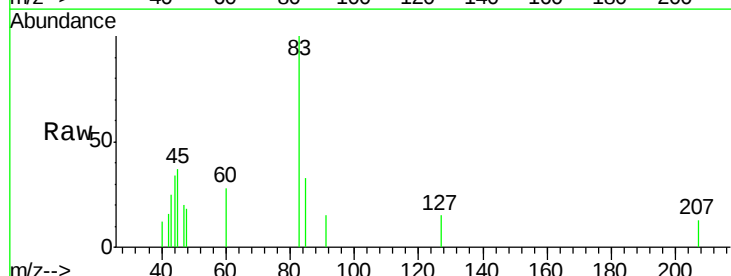
Manual Integrations
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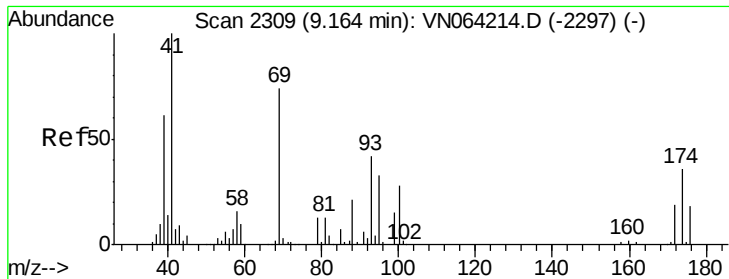
MMDadoda
10/23/2020 3:37:35 PM



#47
Bromodichloromethane
Concen: 0.453 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion: 83 Resp: 2102
Ion Ratio Lower Upper
83 100
85 33.4 51.8 77.8#
127 15.0 7.4 11.0#





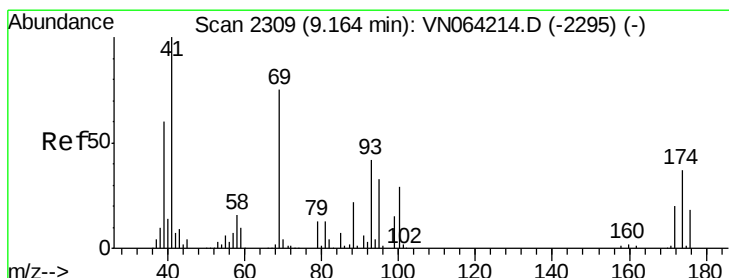
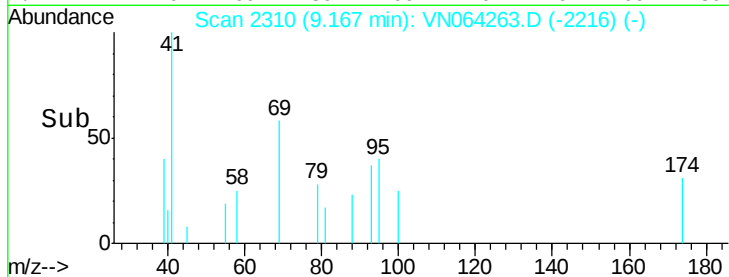
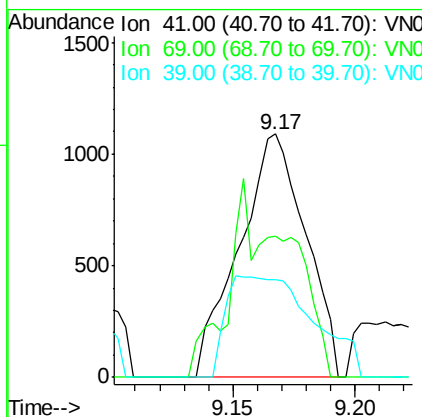
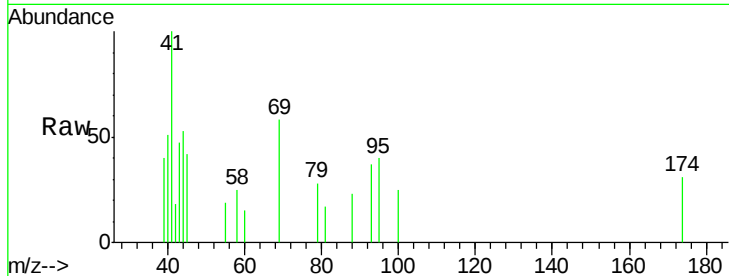
#48
Methvl methacrylate
Concen: 0.549 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion: 41 Resp: 2060
Ion Ratio Lower Upper
41 100
69 34.8 57.3 85.9#
39 54.5 48.6 73.0

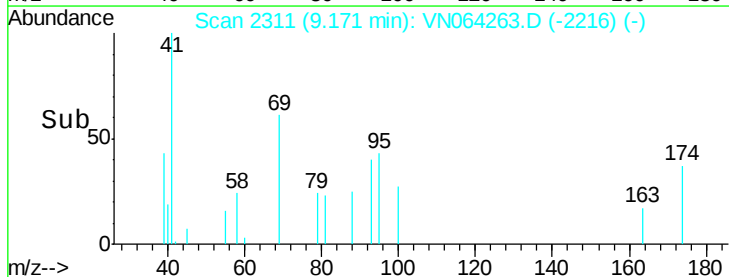
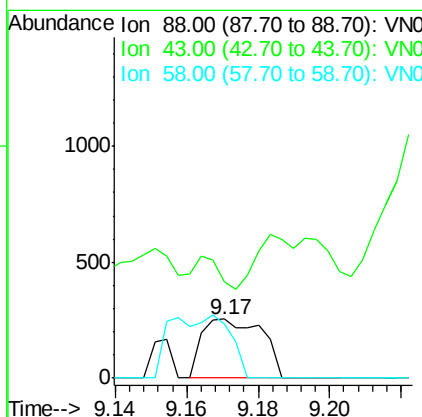
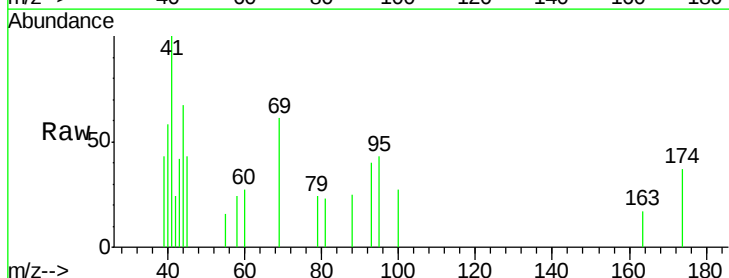
Manual Integrations
APPROVED

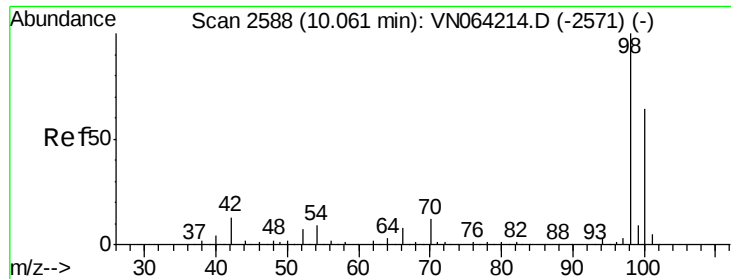
MMDadoda
10/23/2020 3:37:35 PM



#49
1,4-Dioxane
Concen: 6.701 ug/l m
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion: 88 Resp: 294
Ion Ratio Lower Upper
88 100
43 32.3 34.6 52.0#
58 47.6 59.0 88.6#





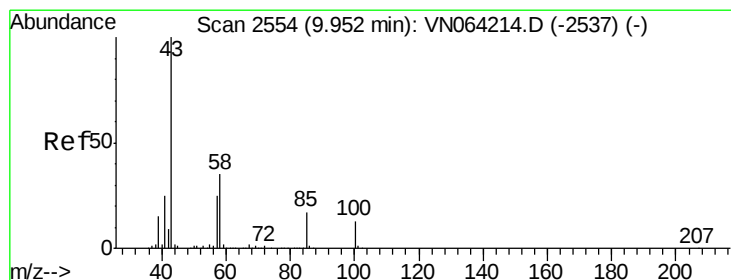
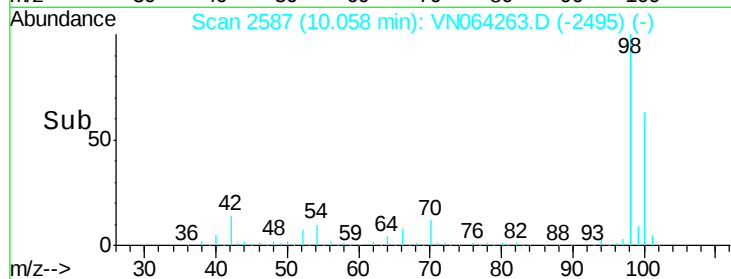
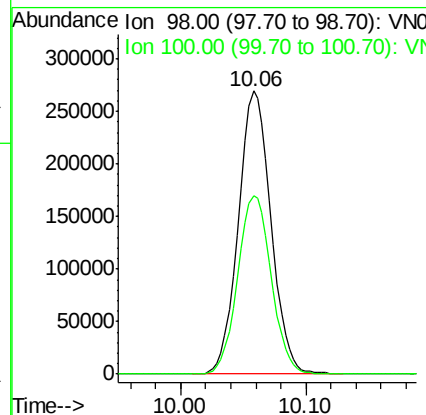
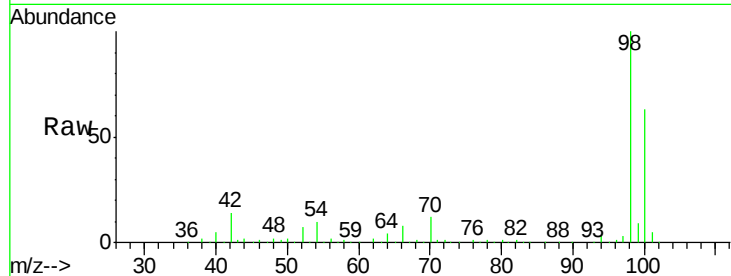
#50
Toluene-d8
Concen: 47.466 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.8	76.2

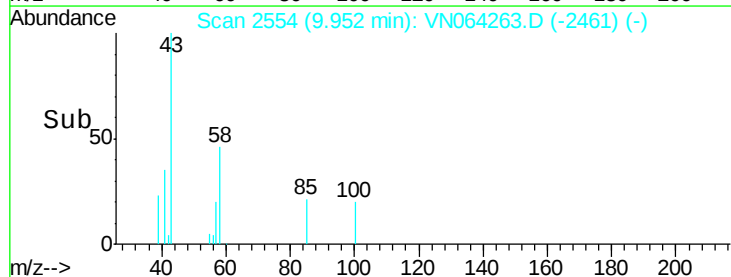
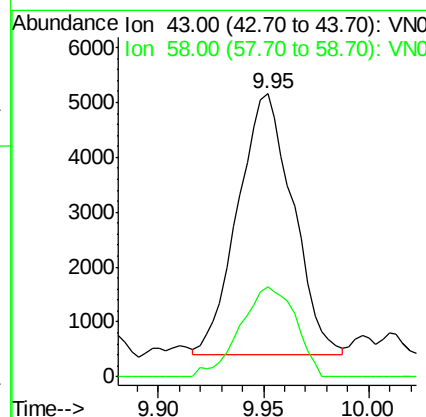
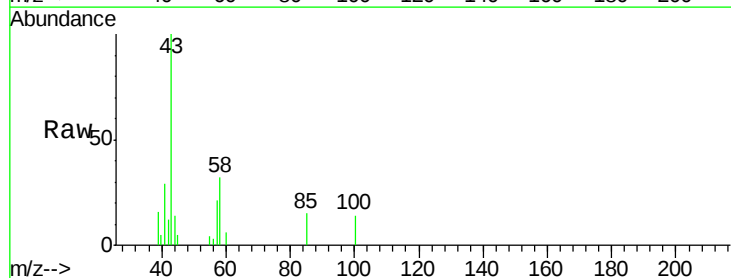
Manual Integrations
APPROVED

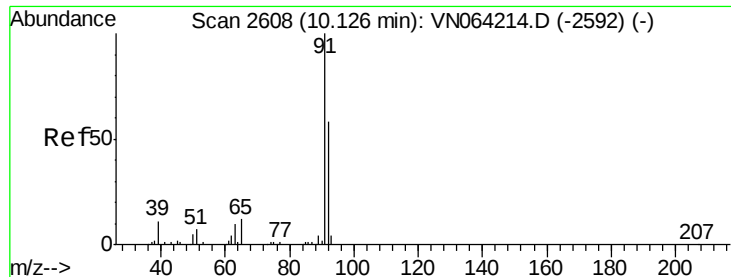
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 2.256 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.6	42.8





#52

Toluene

Concen: 0.387 ug/l

RT: 10.13 min Scan# 2610

Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 92 Resp: 2903

Ion Ratio Lower Upper

92 100

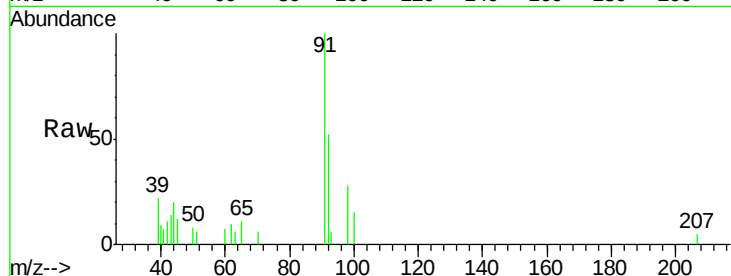
91 204.2 137.4 206.2

Manual Integrations

APPROVED

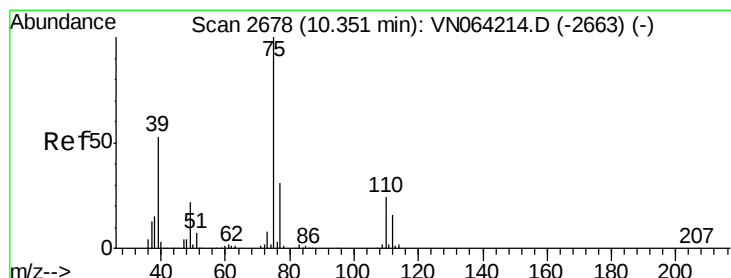
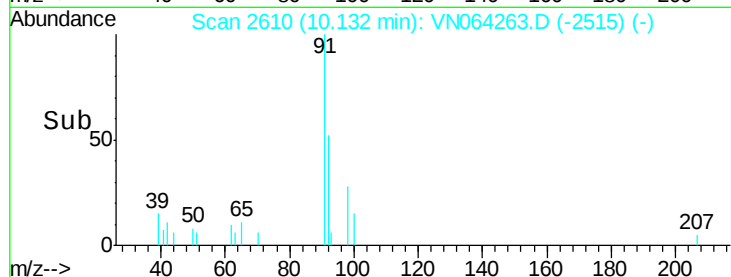
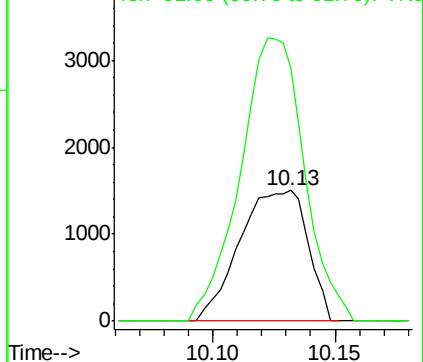
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.382 ug/l

RT: 10.36 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN064263.D

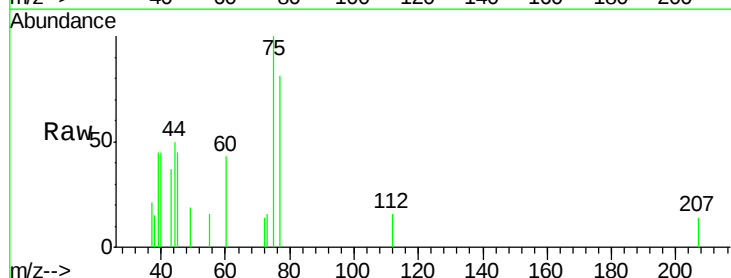
Acq: 22 Oct 2020 20:28

Tgt Ion: 75 Resp: 1970

Ion Ratio Lower Upper

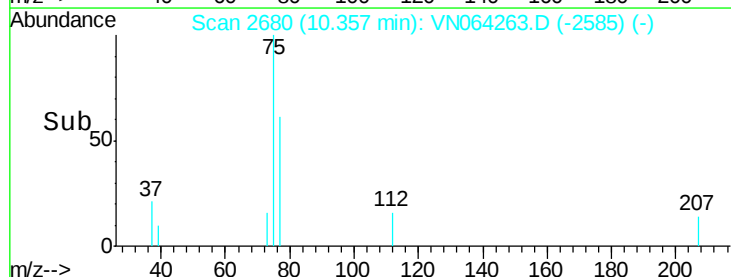
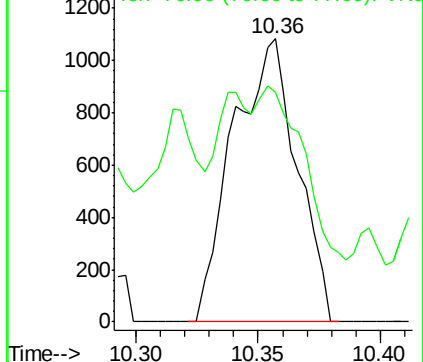
75 100

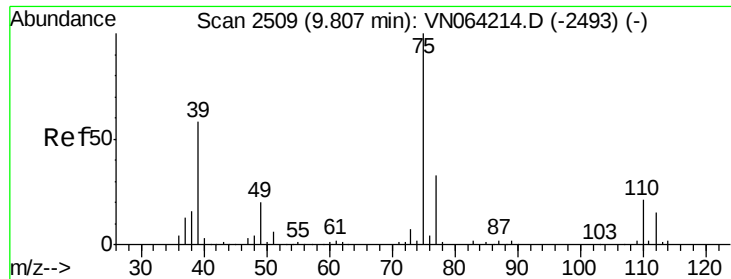
77 56.8 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

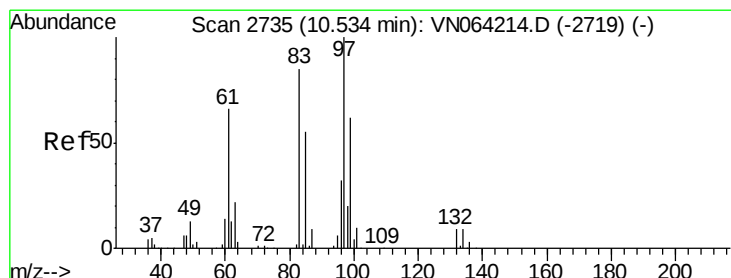
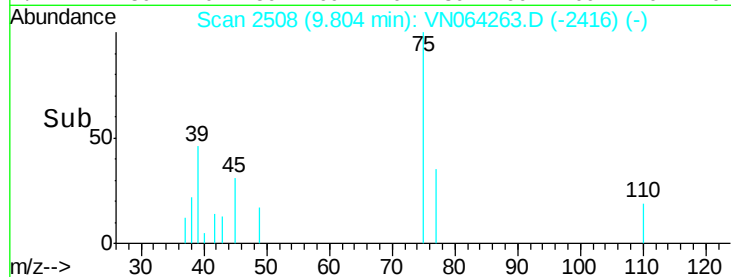
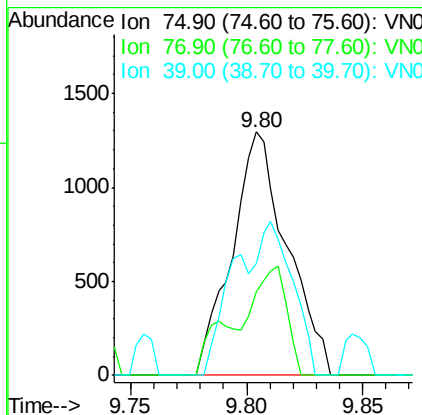
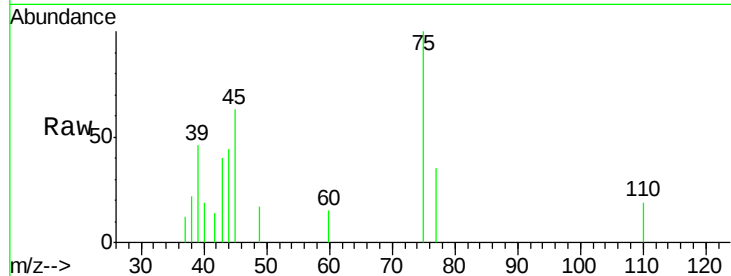
cis-1,3-Dichloropropene
Concen: 0.394 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.6	26.6	39.8
39	46.0	46.7	70.1#

Manual Integrations
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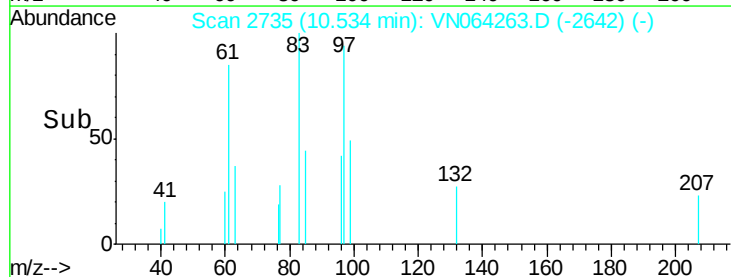
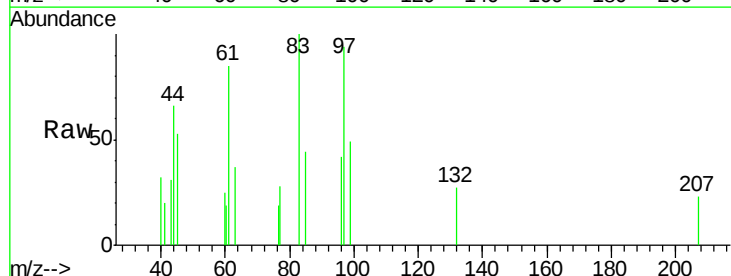
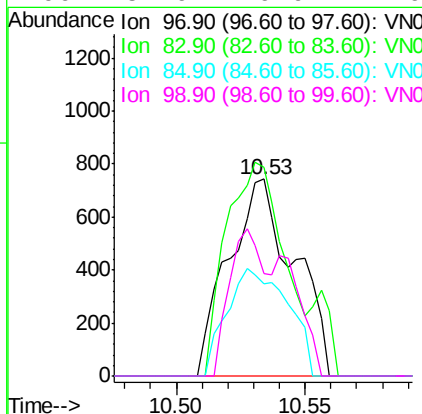
MMDadoda
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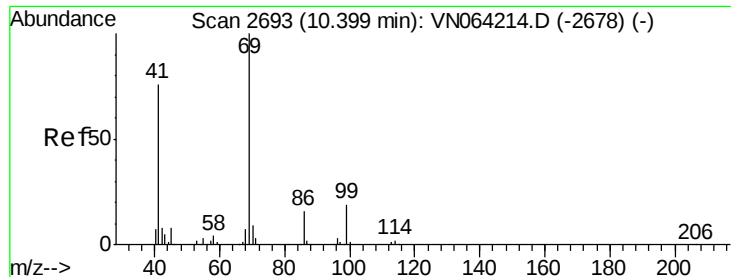


#55

1,1,2-Trichloroethane
Concen: 0.465 ug/l
RT: 10.53 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	106.2	67.8	101.6#
85	46.9	43.6	65.4
99	51.9	49.9	74.9





#56

Ethyl methacrylate

Concen: 0.474 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

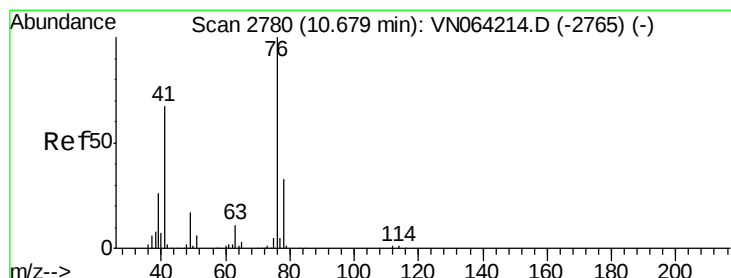
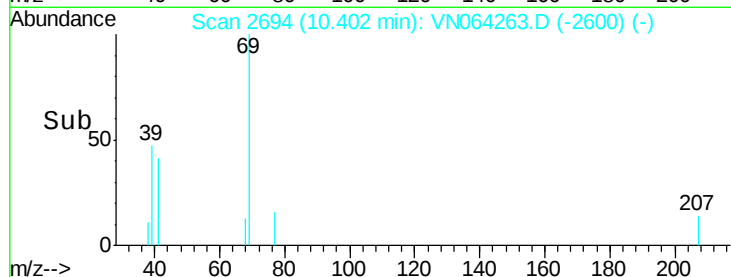
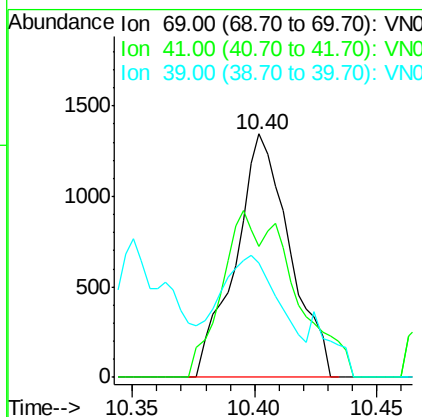
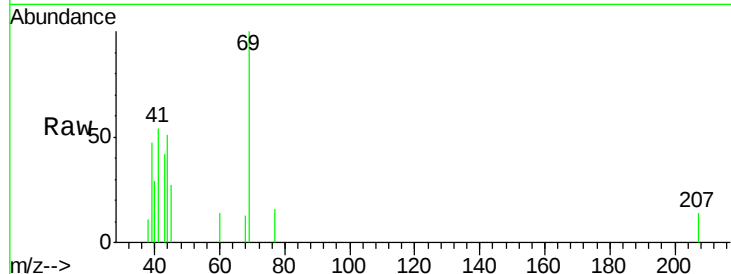
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	69	Resp:	2072
Ion Ratio	Lower	Upper	
69	100		
41	47.2	61.4	92.2#
39	39.8	36.0	54.0

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.441 ug/l

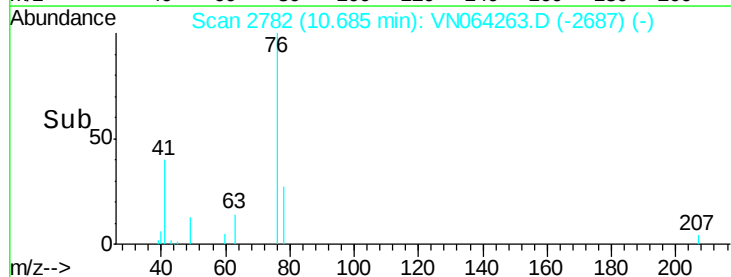
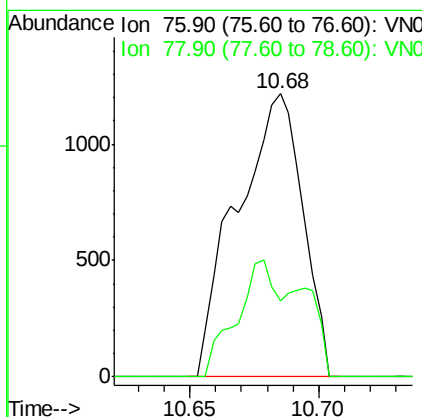
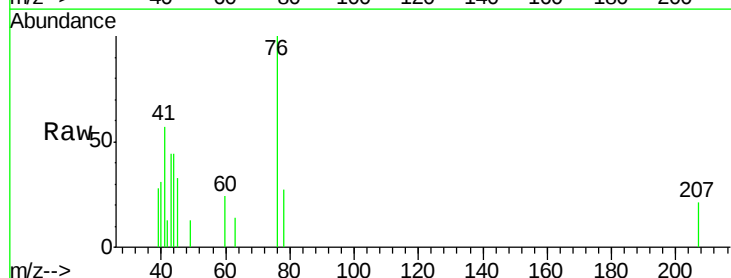
RT: 10.68 min Scan# 2782

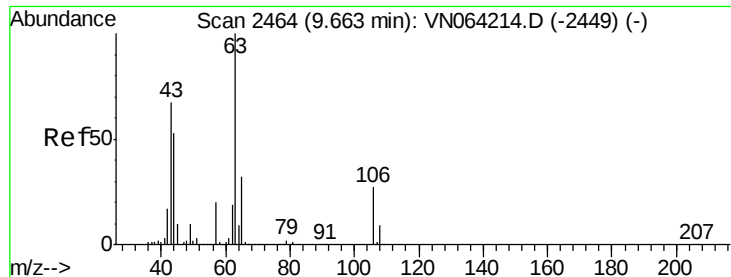
Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	76	Resp:	2166
Ion Ratio	Lower	Upper	
76	100		
78	25.3	26.2	39.2#





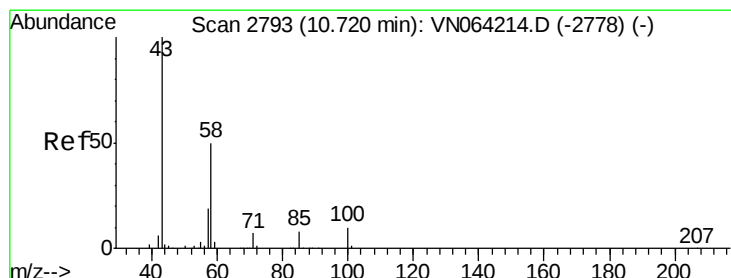
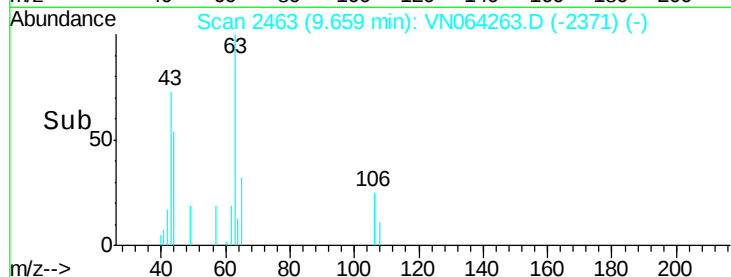
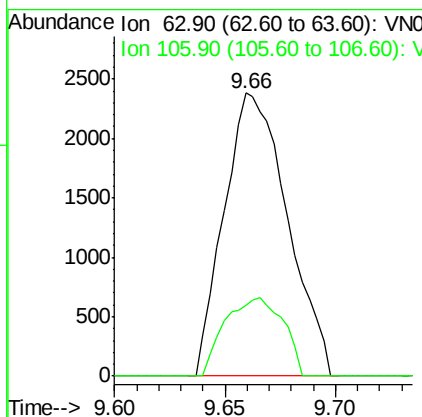
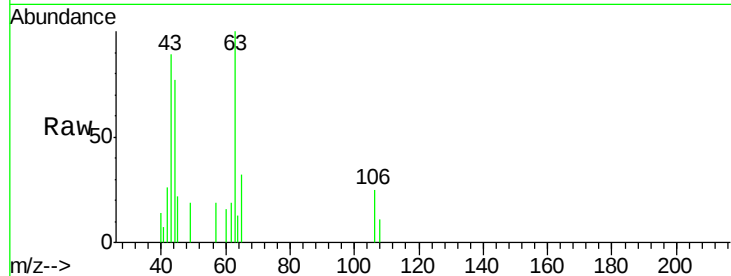
#58
 2-Chloroethyl Vinyl ether
 Concen: 2.104 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion: 63 Resp: 4741
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.3 31.9

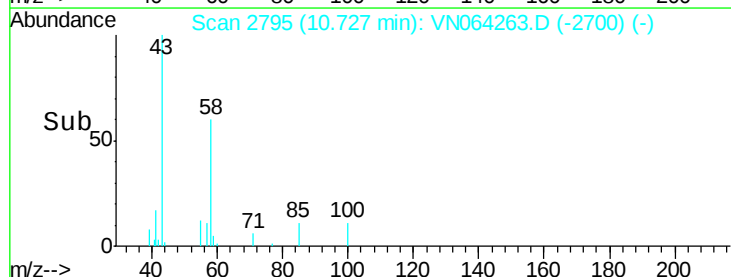
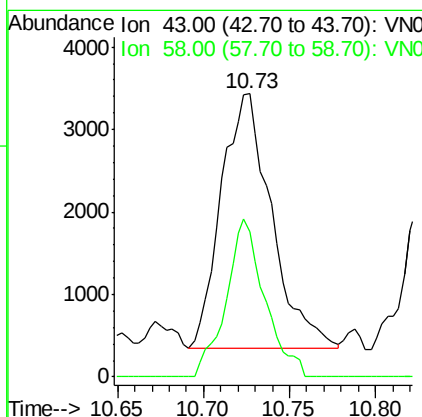
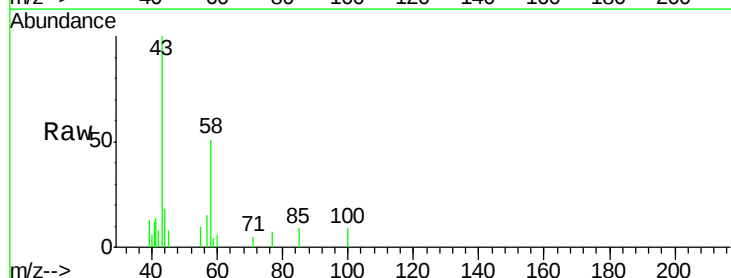
Manual Integrations
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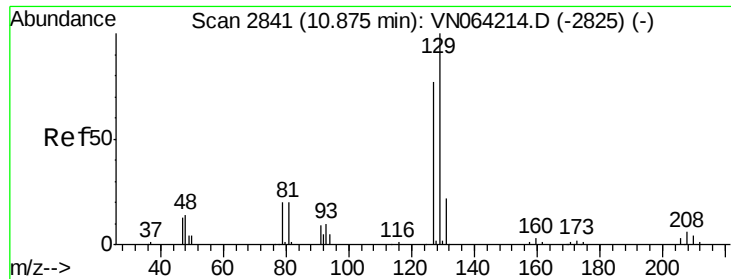
MMDadoda
 10/23/2020 3:37:35 PM



#59
 2-Hexanone
 Concen: 2.253 ug/l
 RT: 10.73 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion: 43 Resp: 6312
 Ion Ratio Lower Upper
 43 100
 58 47.1 24.8 74.3





#60

Dibromochloromethane

Concen: 0.386 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:129 Resp: 1413

Ion Ratio Lower Upper

129 100

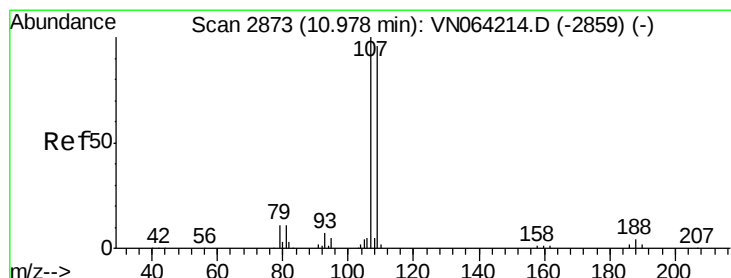
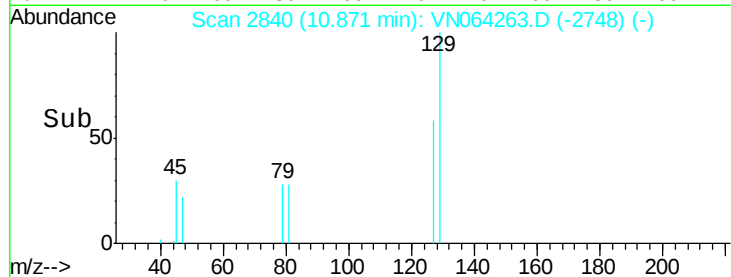
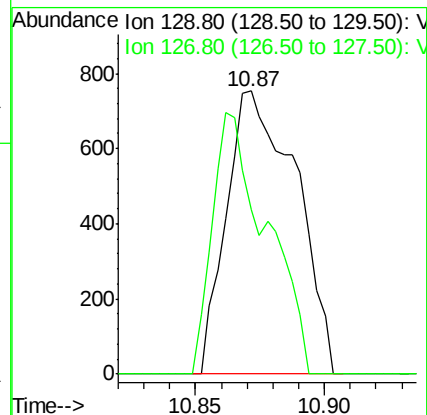
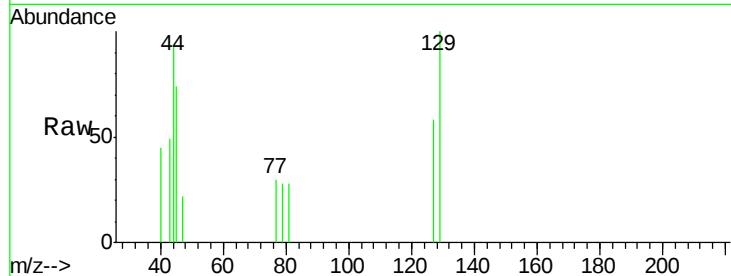
127 71.8 38.8 116.3

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 0.424 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064263.D

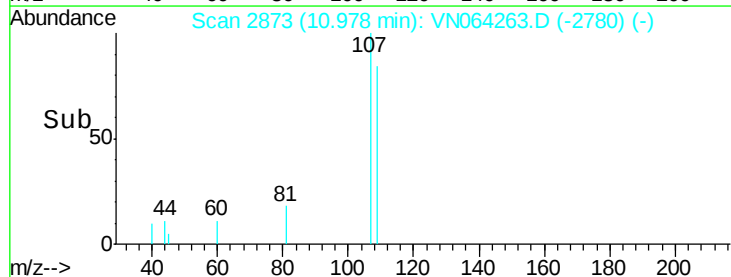
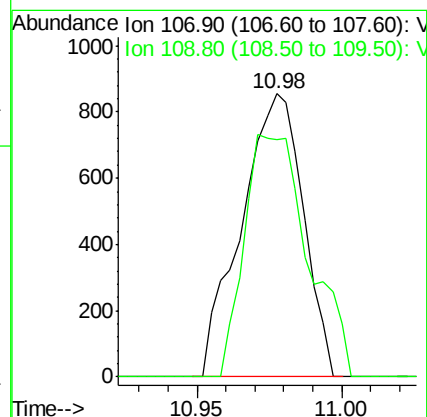
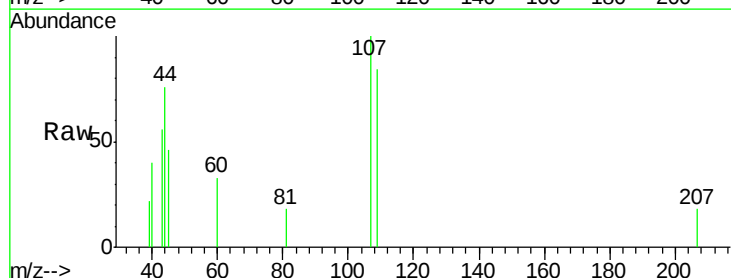
Acq: 22 Oct 2020 20:28

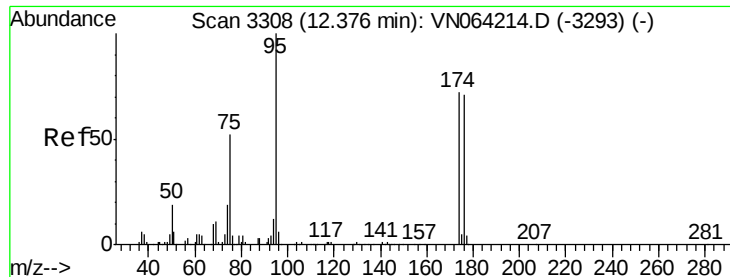
Tgt Ion:107 Resp: 1267

Ion Ratio Lower Upper

107 100

109 88.2 76.2 114.4





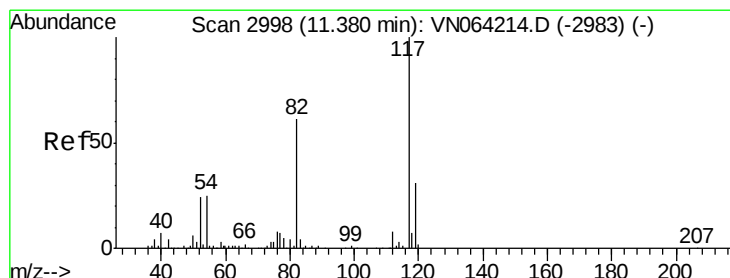
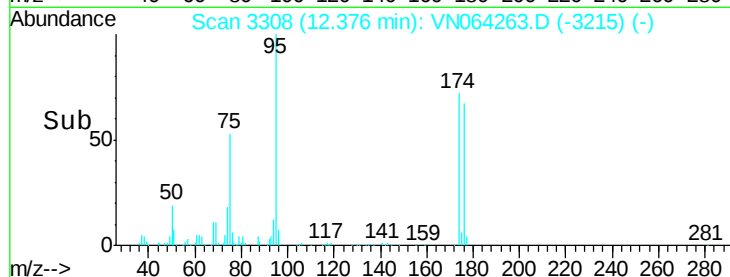
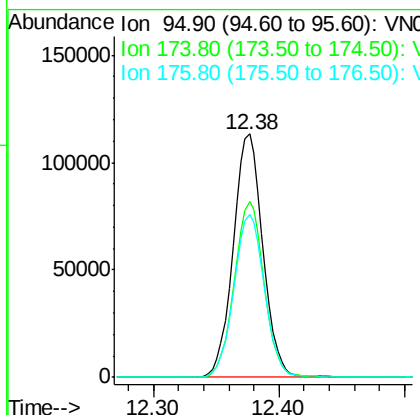
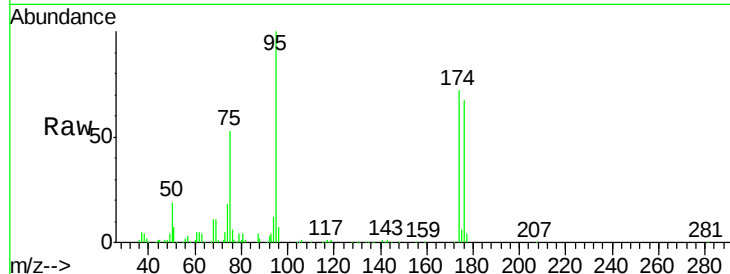
#62
4-Bromofluorobenzene
Concen: 44.540 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	144.4
176	68.9	0.0	139.2

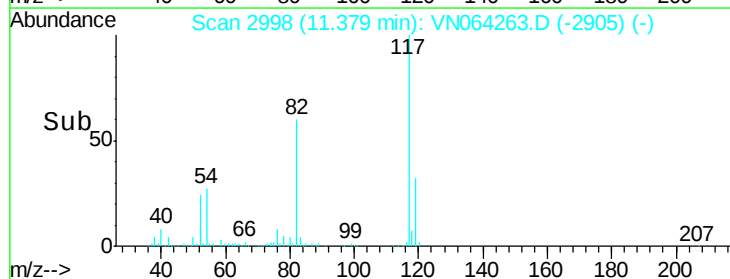
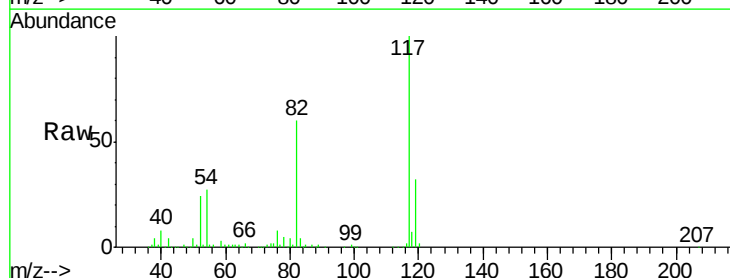
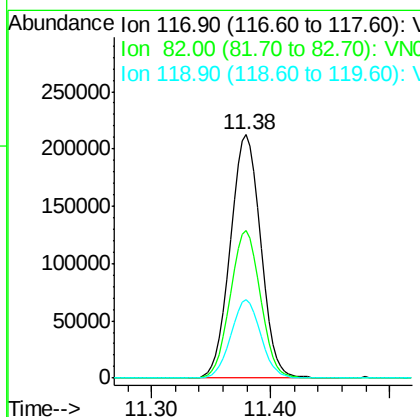
Manual Integrations
APPROVED

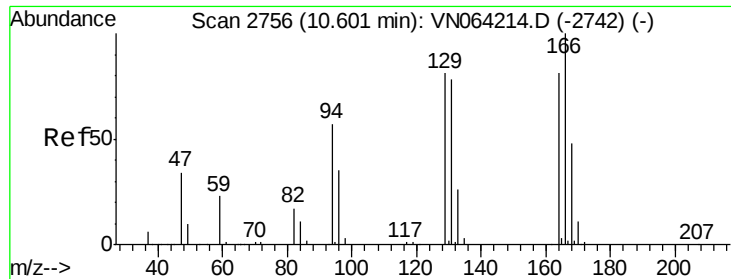
MMDadoda
10/23/2020 3:37:35 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.8	73.2
119	32.3	24.7	37.1





#64

Tetrachloroethene

Concen: 0.458 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:164 Resp: 1389

Ion Ratio Lower Upper

164 100

166 137.7 98.9 148.3

129 110.0 79.9 119.9

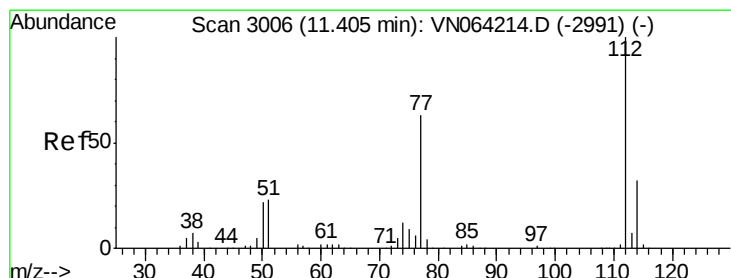
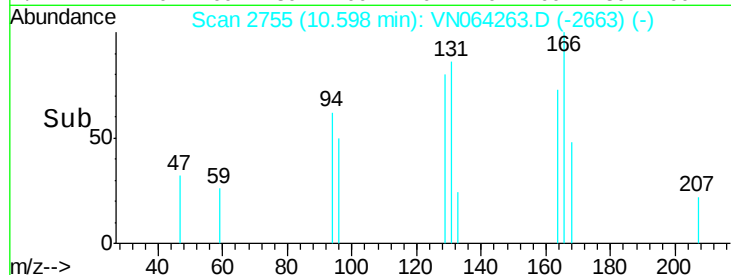
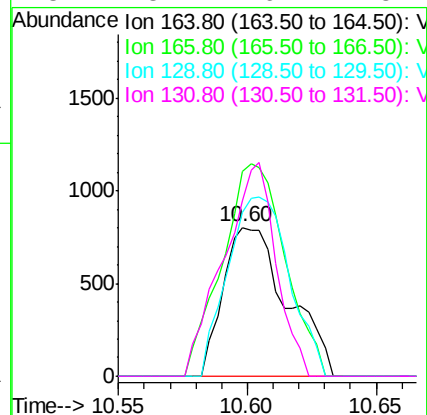
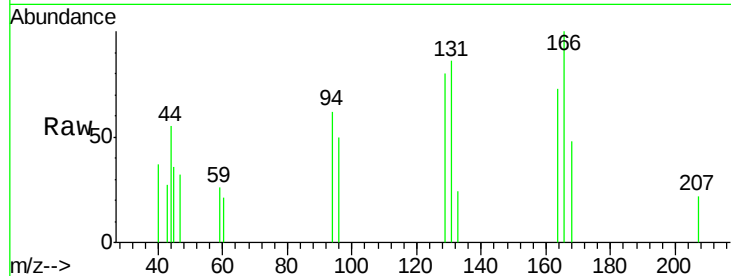
131 118.1 76.7 115.1#

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#65

Chlorobenzene

Concen: 0.474 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064263.D

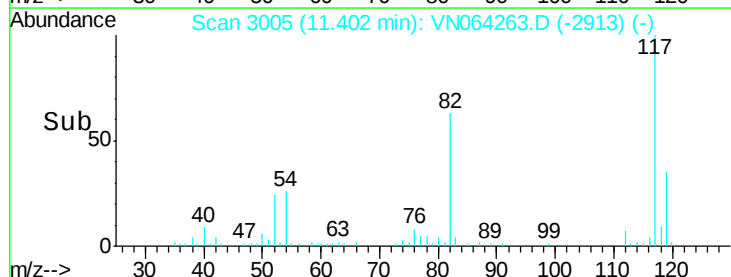
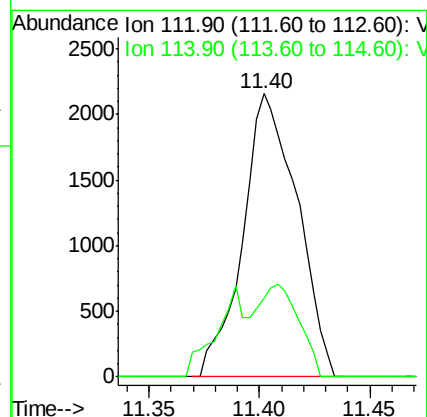
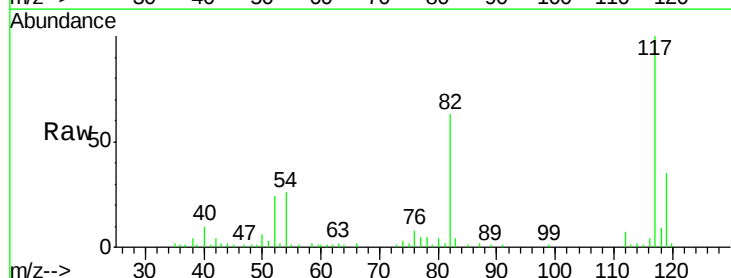
Acq: 22 Oct 2020 20:28

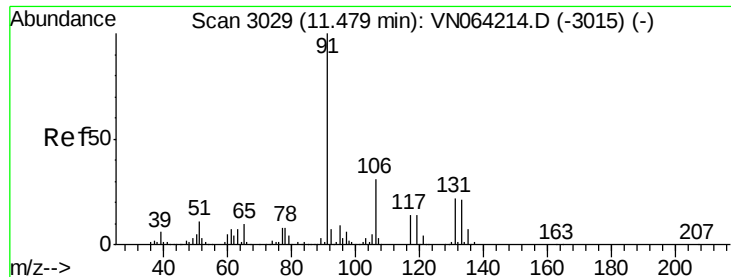
Tgt Ion:112 Resp: 3695

Ion Ratio Lower Upper

112 100

114 27.8 25.7 38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 0.465 ug/l m

RT: 11.49 min Scan# 3031

Delta R.T. 0.01 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

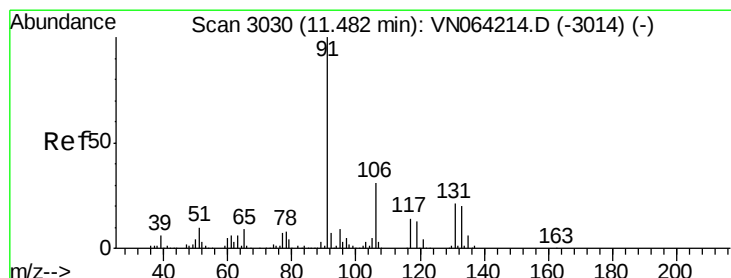
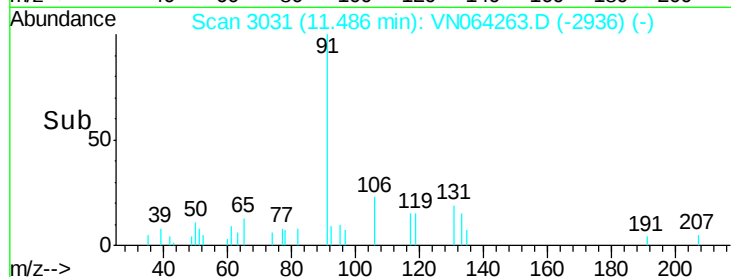
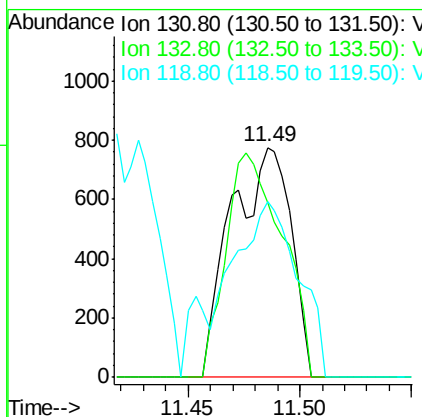
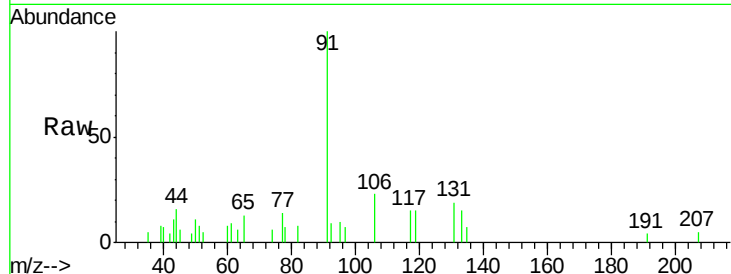
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.8	143.4
119	0.0	32.2	96.6#

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#67

Ethyl Benzene

Concen: 0.461 ug/l

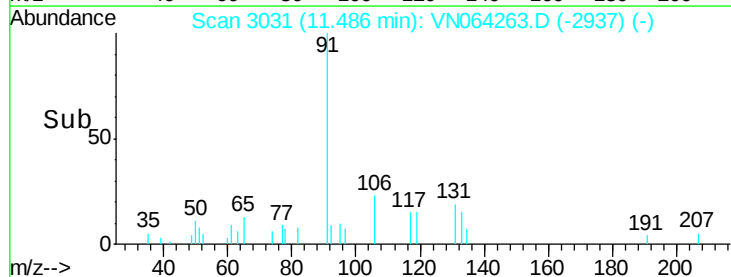
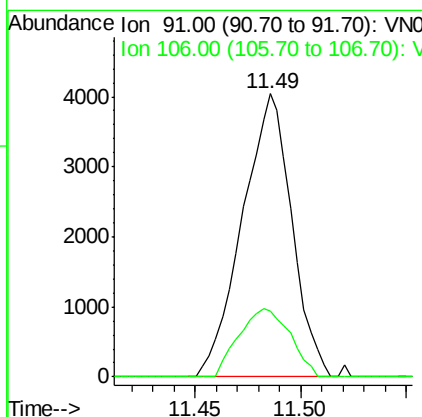
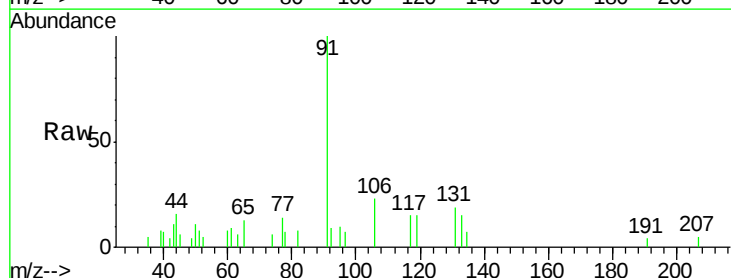
RT: 11.49 min Scan# 3031

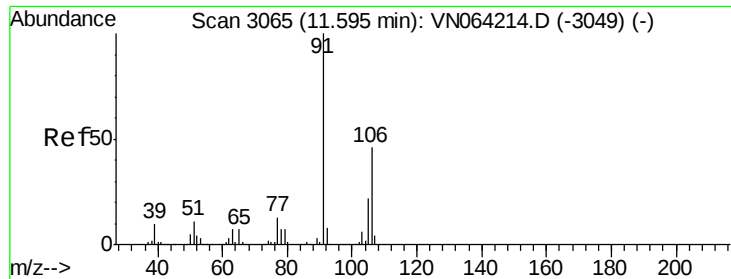
Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.2	24.8	37.2#





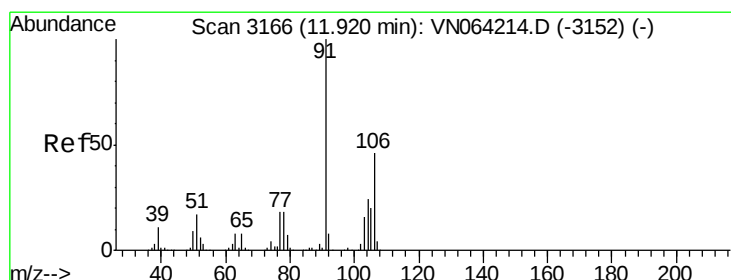
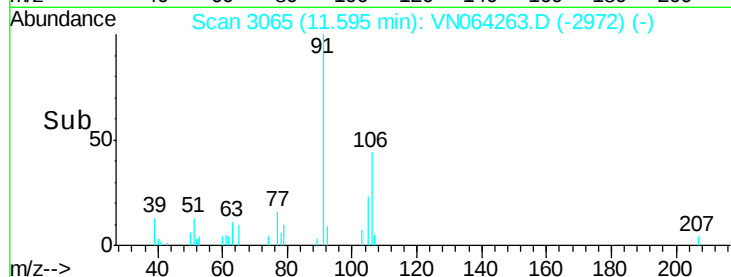
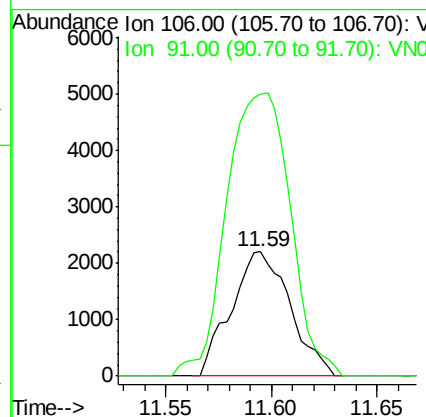
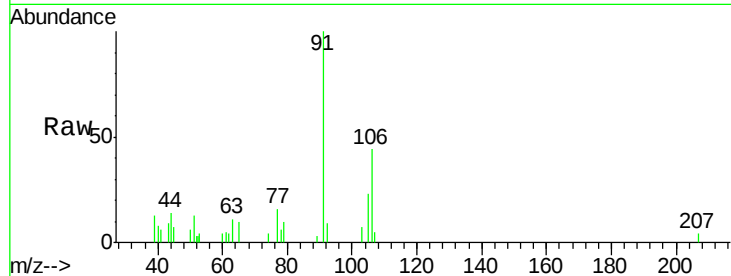
#68
m/p-Xylenes
Concen: 0.807 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion:106 Resp: 4283
Ion Ratio Lower Upper
106 100
91 246.6 172.2 258.2

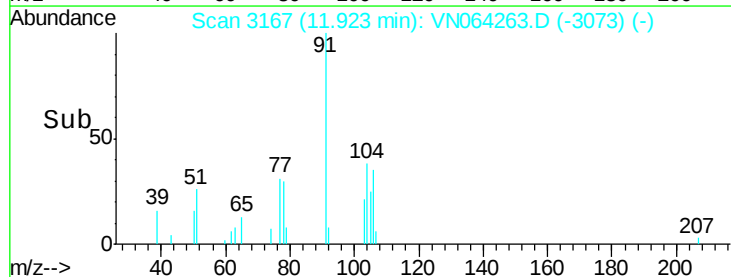
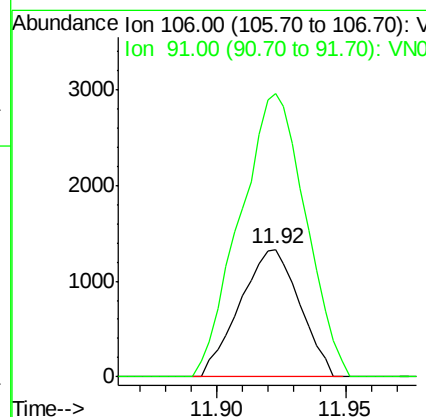
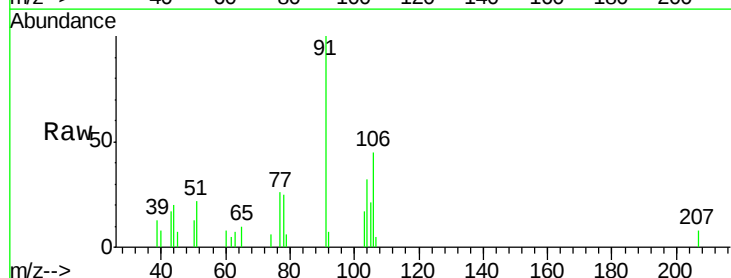
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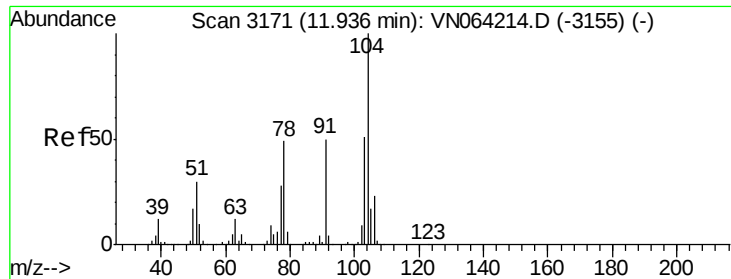
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#69
o-Xylene
Concen: 0.420 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion:106 Resp: 2155
Ion Ratio Lower Upper
106 100
91 243.6 109.9 329.6





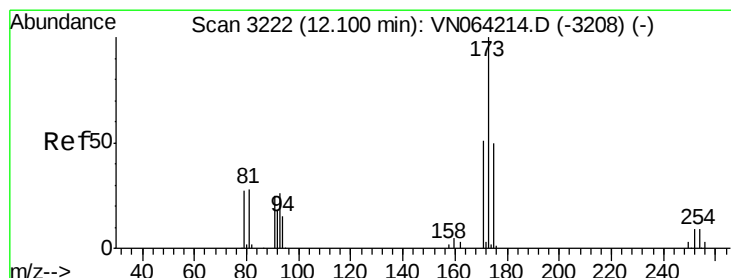
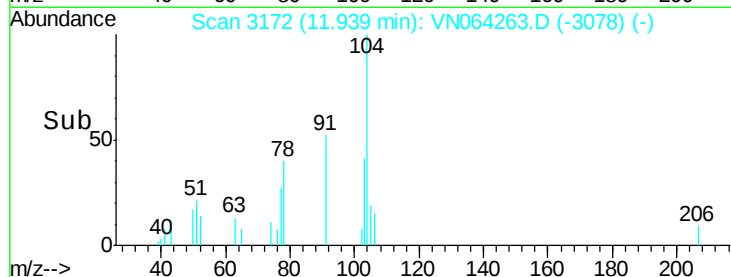
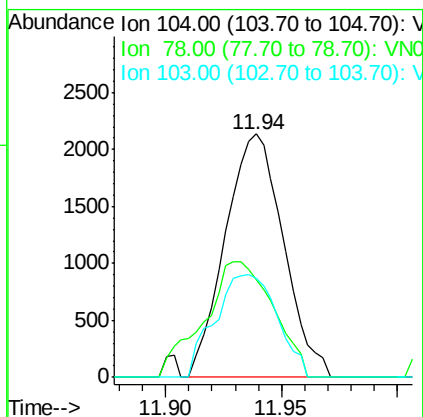
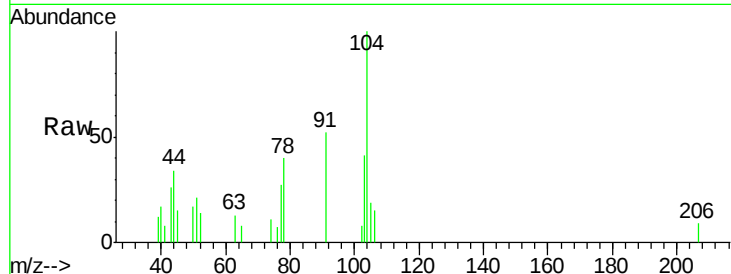
#70
Stvrene
Concen: 0.433 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.8	43.8	65.6
103	45.2	43.4	65.2

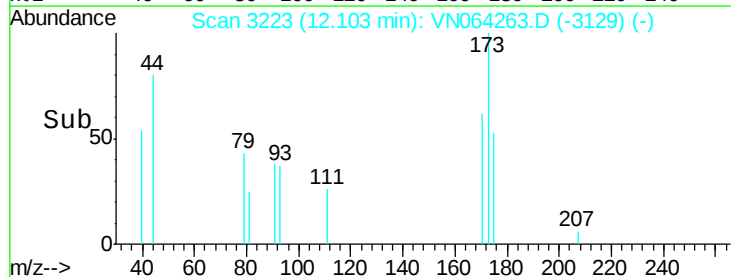
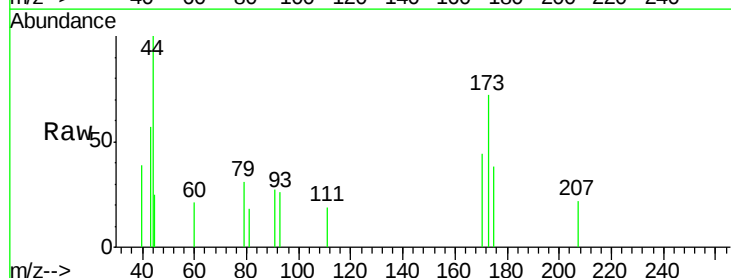
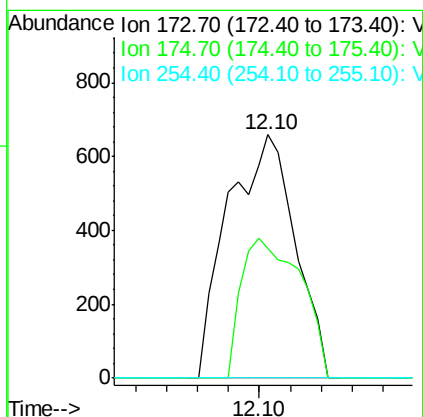
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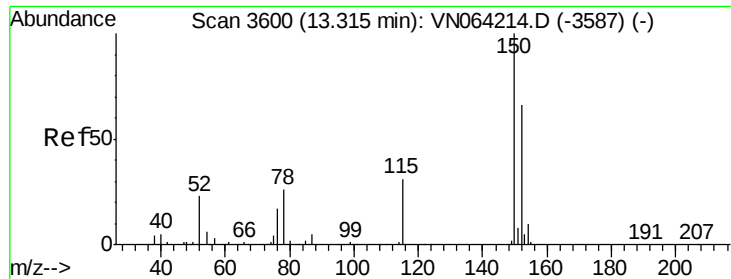
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#71
Bromoform
Concen: 0.416 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	25.1	75.3
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:152 Resp: 164004

Ion Ratio Lower Upper

152 100

115 63.1 32.0 96.2

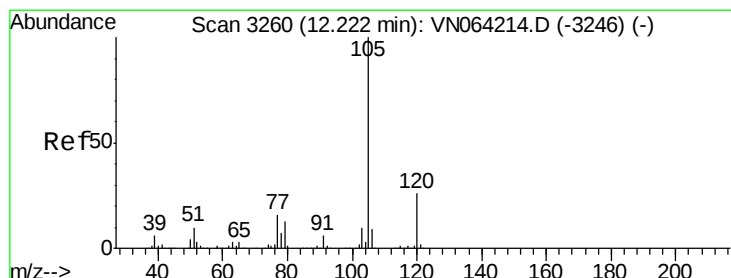
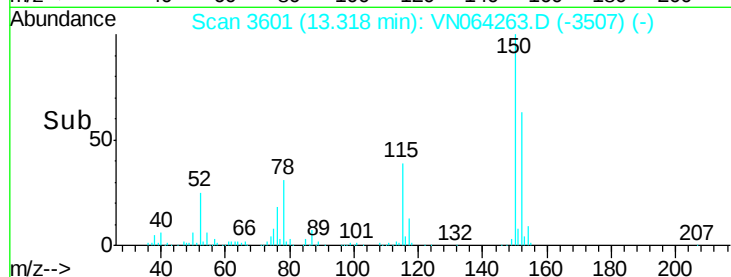
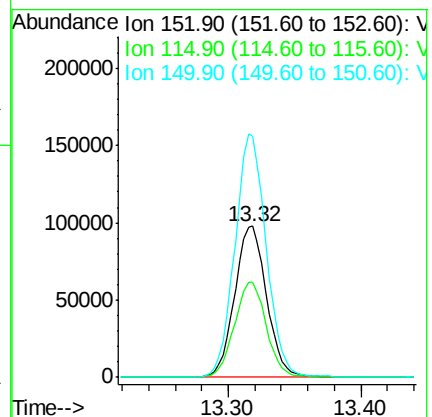
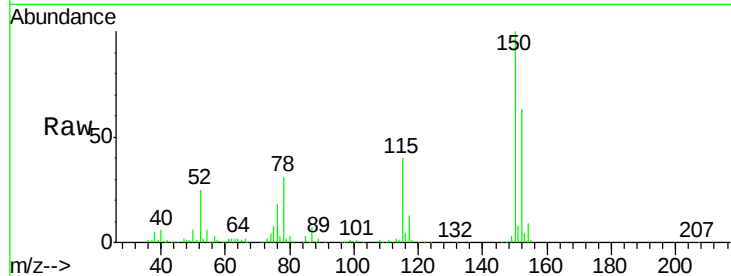
150 158.3 0.0 356.6

Manual Integrations

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#73

Isopropylbenzene

Concen: 0.465 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064263.D

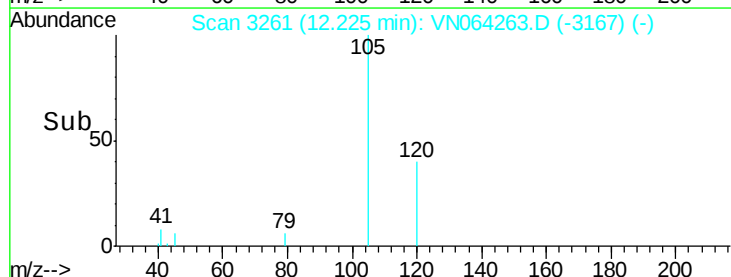
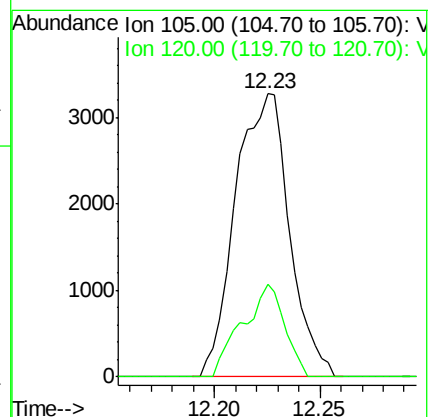
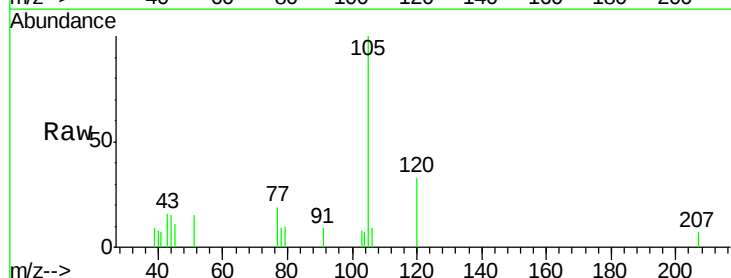
Acq: 22 Oct 2020 20:28

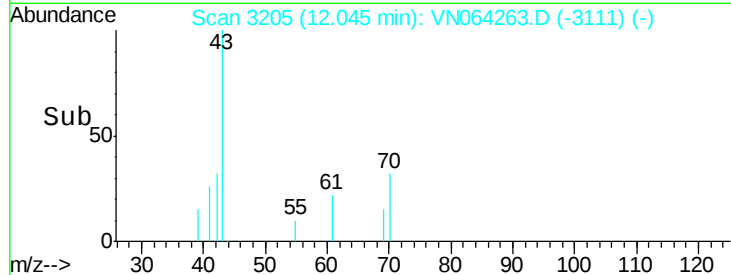
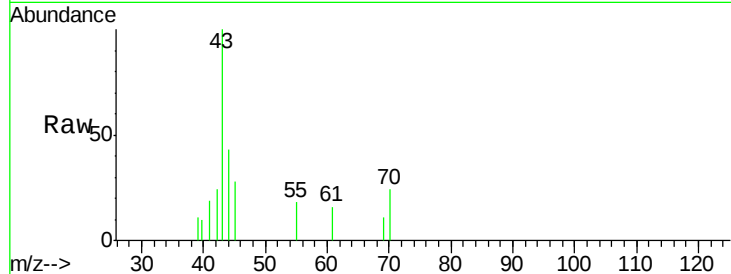
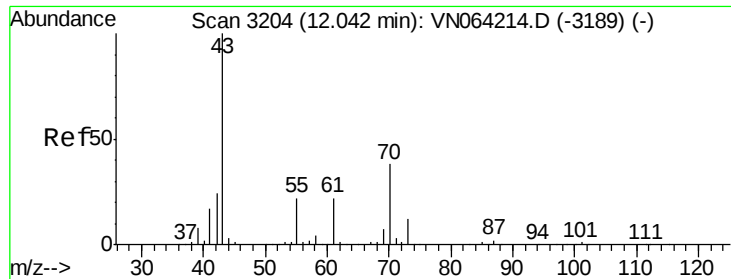
Tgt Ion:105 Resp: 5812

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7





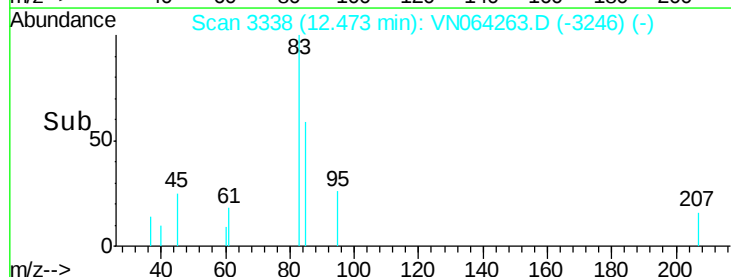
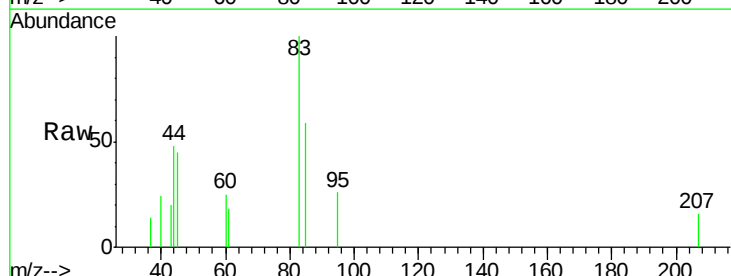
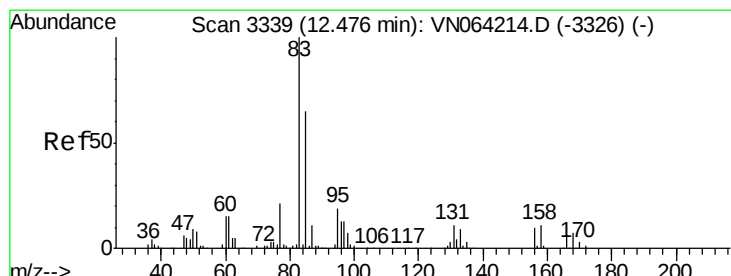
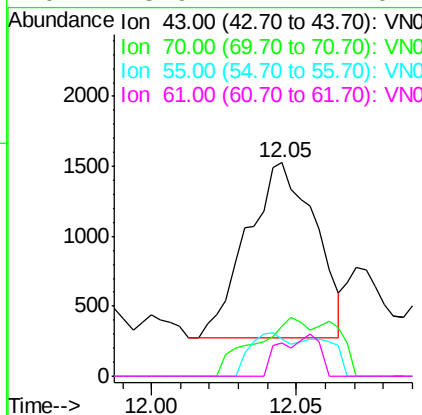
#74
N-amvl acetate
Concen: 0.379 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tot Ion	Ratio	Lower	Upper
43	100		
70	26.6	30.2	45.4#
55	14.4	18.0	27.0#
61	13.9	17.4	26.2#

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

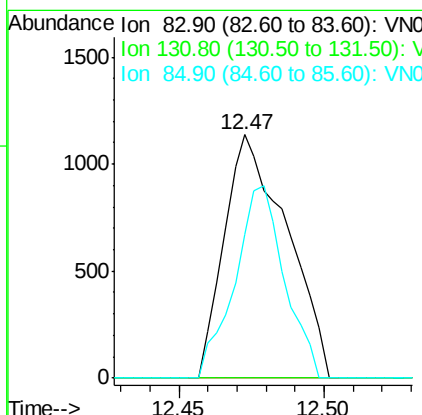
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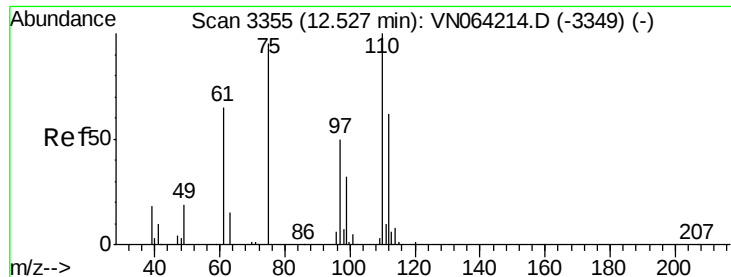
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#75
1,1,2,2-Tetrachloroethane
Concen: 0.513 ug/l
RT: 12.47 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.7#
85	62.6	32.4	97.0





#76

1,2,3-Trichloropropane

Concen: 0.406 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 75 Resp: 1405

Ion Ratio Lower Upper

75 100

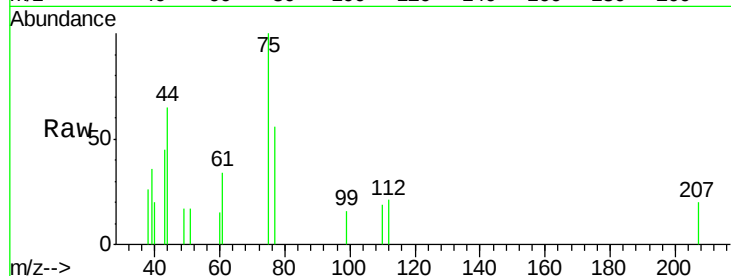
77 0.0 0.0 0.0

Manual Integrations

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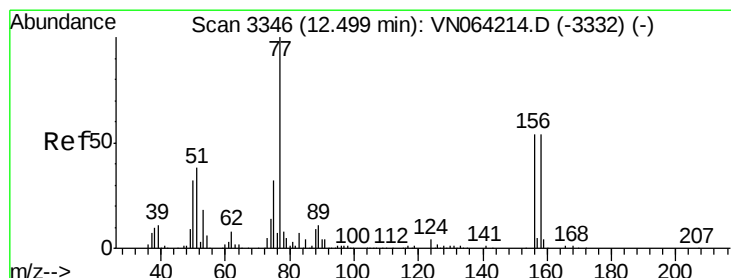
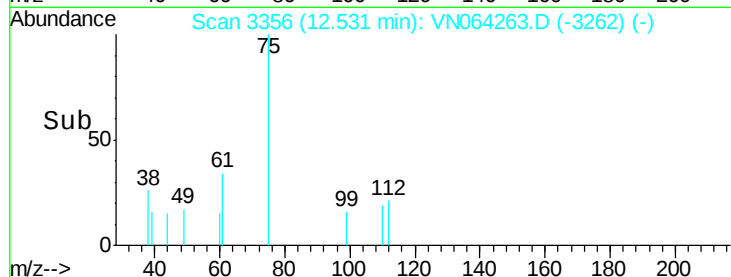
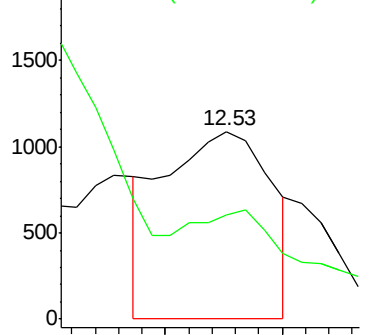
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Abundance Ion 74.90 (74.60 to 75.60): VN064263.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064263.D (-3262) (-)



#77

Bromobenzene

Concen: 0.525 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

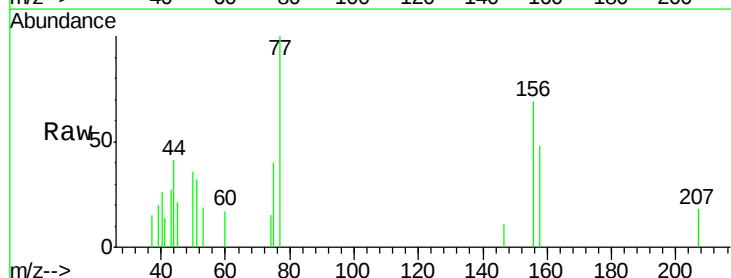
Tgt Ion: 156 Resp: 1549

Ion Ratio Lower Upper

156 100

77 191.2 111.1 333.4

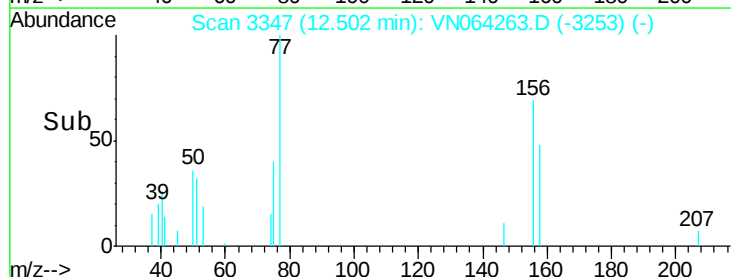
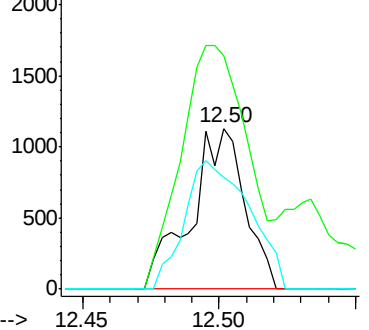
158 96.2 50.0 150.1

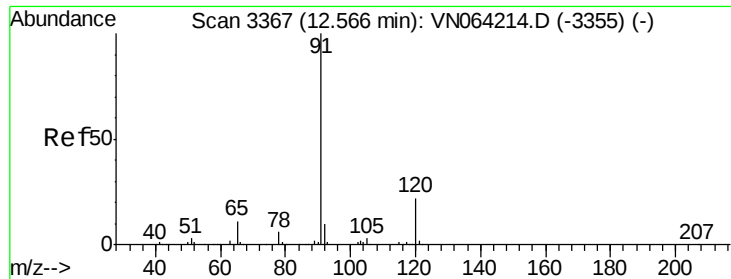


Abundance Ion 155.80 (155.50 to 156.50): VN064263.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN064263.D (-3253) (-)

Ion 157.80 (157.50 to 158.50): VN064263.D (-3253) (-)





#78

n-propylbenzene

Concen: 0.482 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 6802

Ion Ratio Lower Upper

91 100

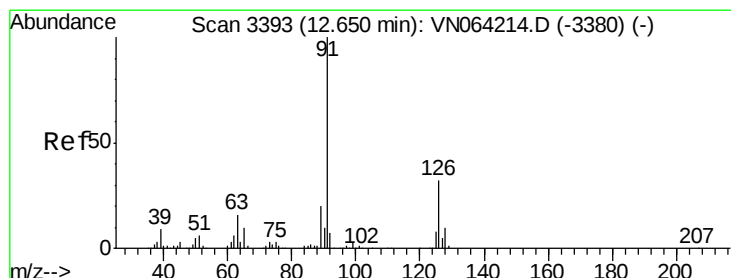
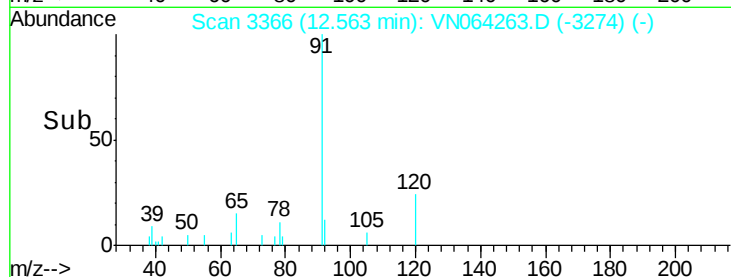
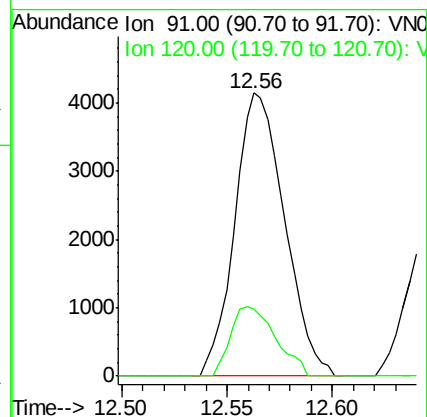
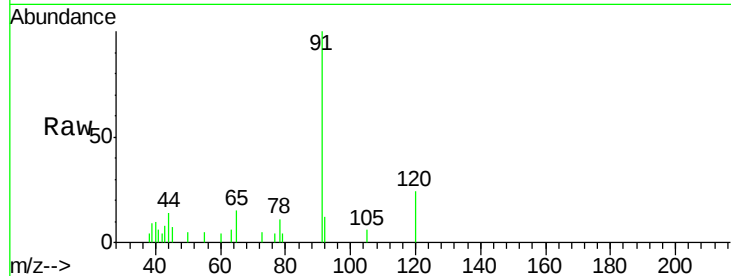
120 22.2 11.1 33.1

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#79

2-Chlorotoluene

Concen: 0.414 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064263.D

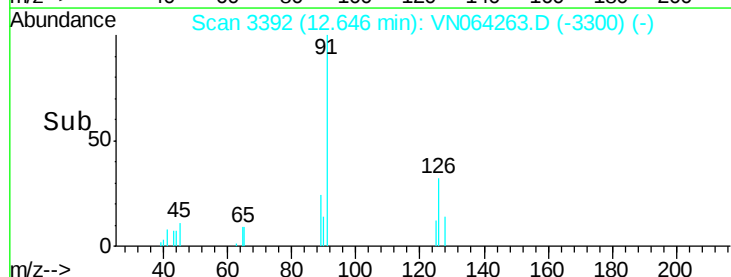
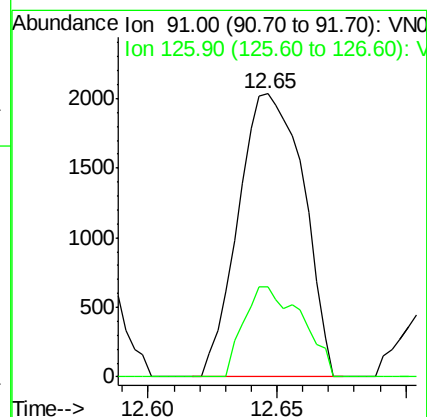
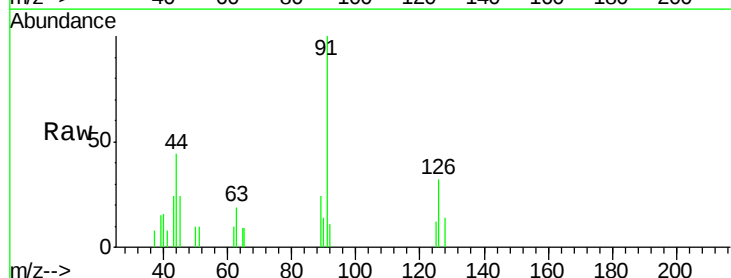
Acq: 22 Oct 2020 20:28

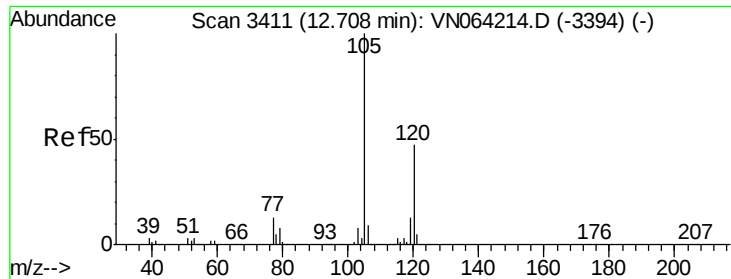
Tgt Ion: 91 Resp: 3582

Ion Ratio Lower Upper

91 100

126 28.4 16.0 48.0





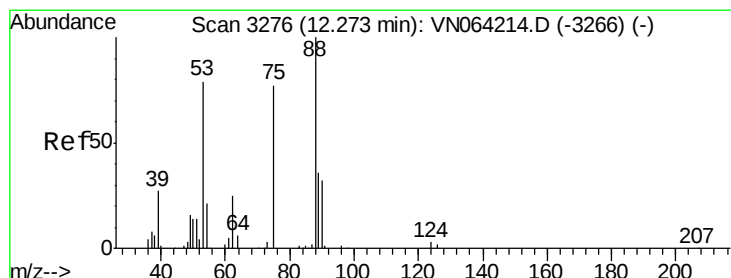
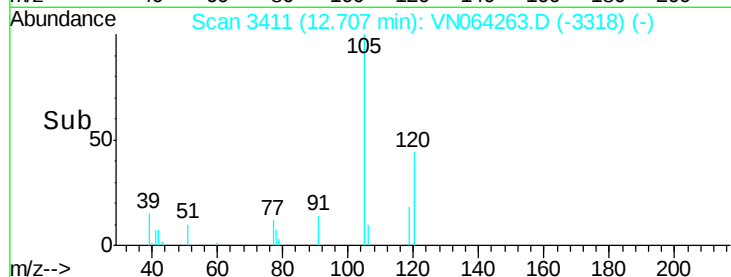
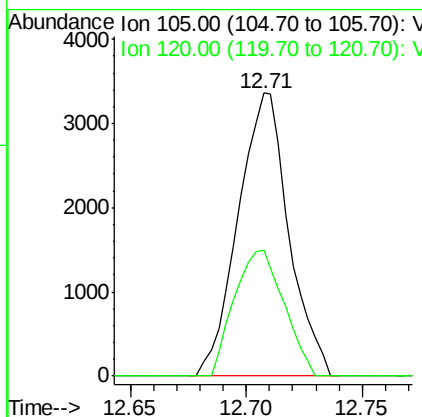
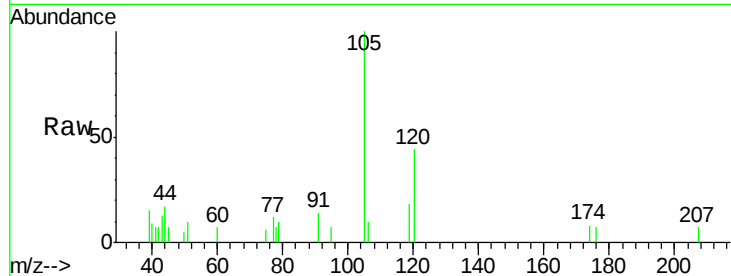
#80
 1,3,5-Trimethylbenzene
 Concen: 0.483 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion:105 Resp: 5108
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.4 70.0

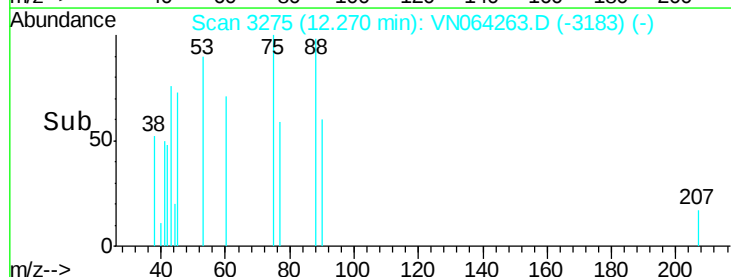
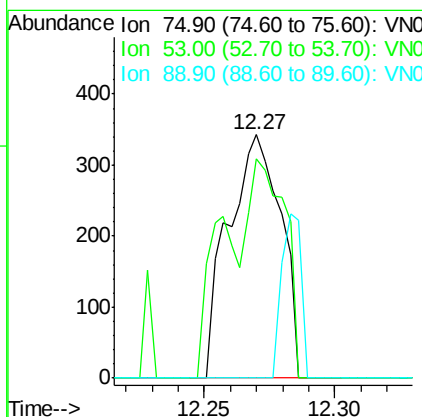
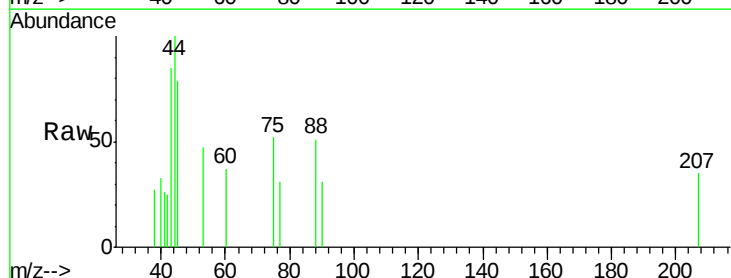
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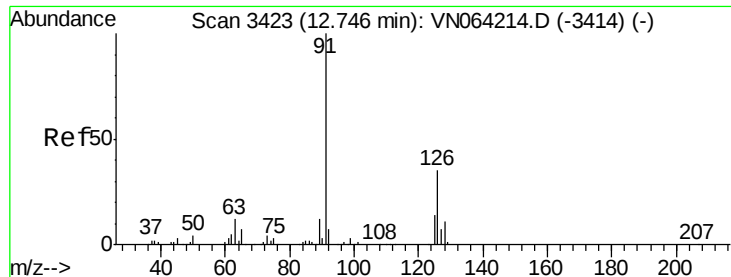
MMDadoda
 10/23/2020 3:37:35 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.350 ug/l m
 RT: 12.27 min Scan# 3275
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion: 75 Resp: 479
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.0 38.7 58.1#





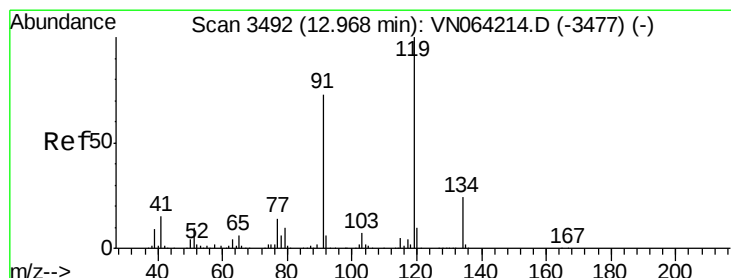
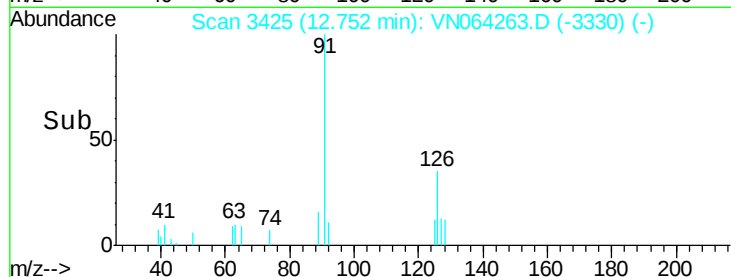
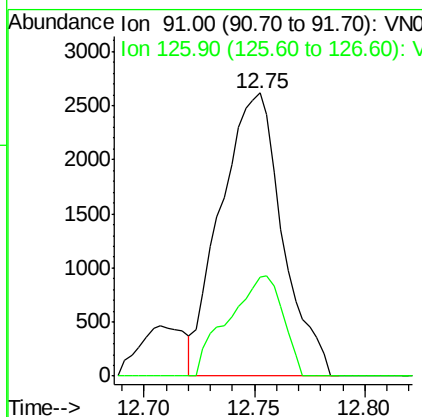
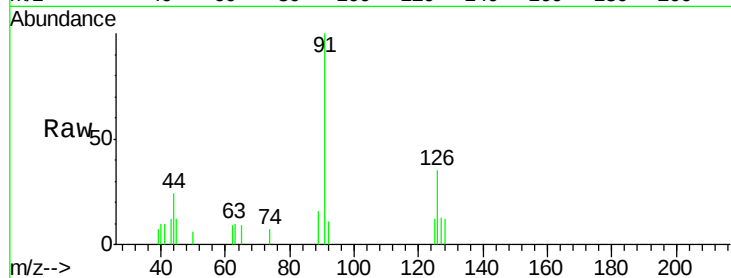
#82
4-Chlorotoluene
Concen: 0.561 ug/l
RT: 12.75 min Scan# 3425
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion: 91 Resp: 5073
Ion Ratio Lower Upper
91 100
126 31.3 15.8 47.3

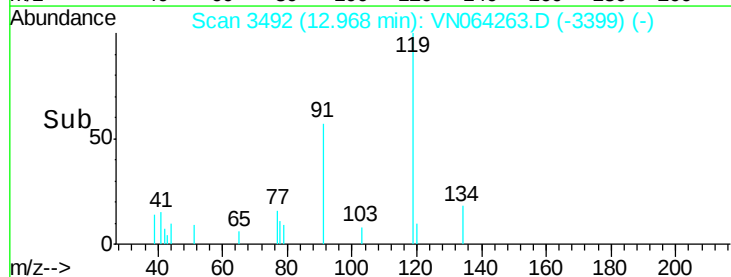
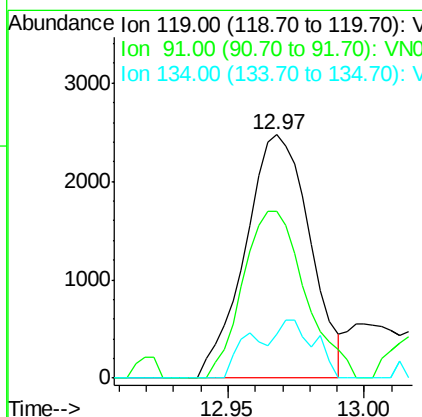
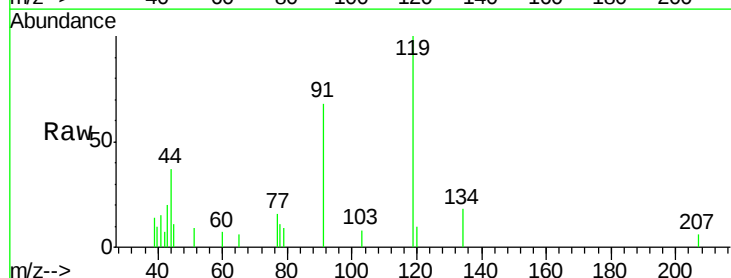
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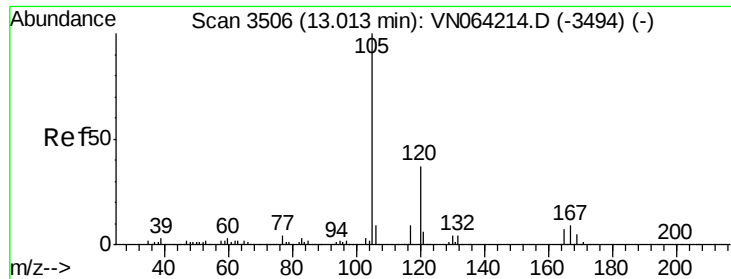
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#83
tert-Butylbenzene
Concen: 0.470 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion: 119 Resp: 4071
Ion Ratio Lower Upper
119 100
91 65.9 35.1 105.3
134 14.1 11.6 34.8





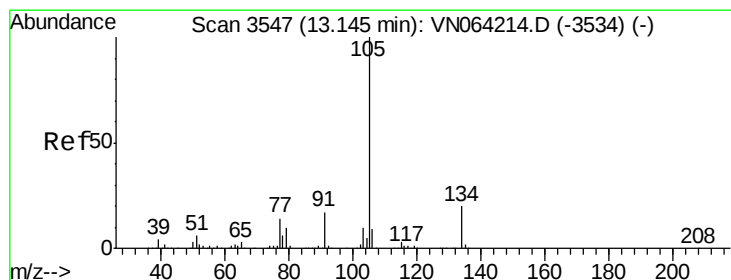
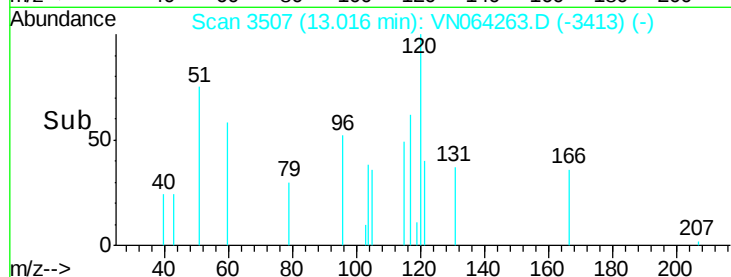
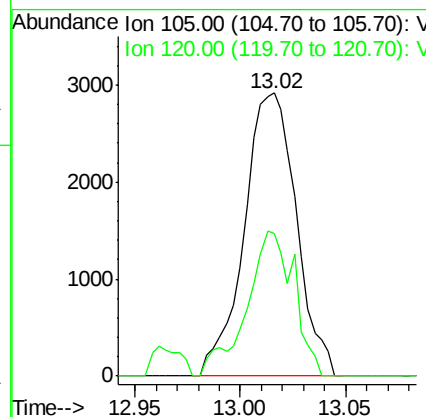
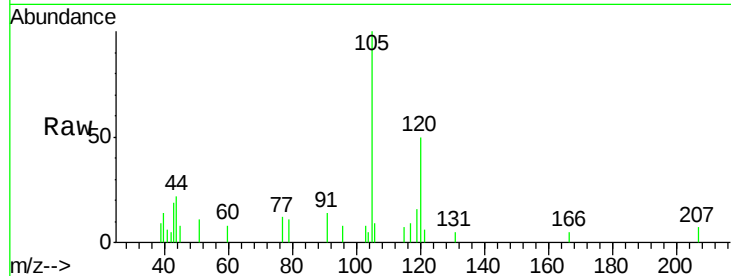
#84
 1,2,4-Trimethylbenzene
 Concen: 0.477 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion:105 Resp: 5022
 Ion Ratio Lower Upper
 105 100
 120 46.7 21.5 64.5

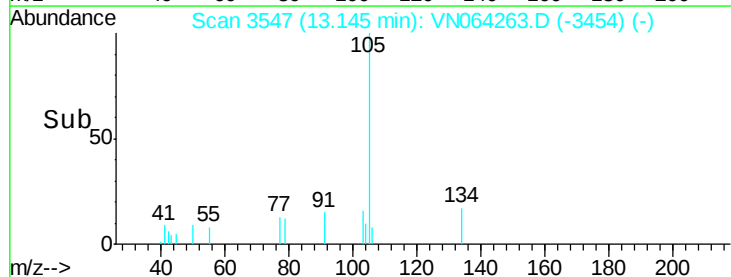
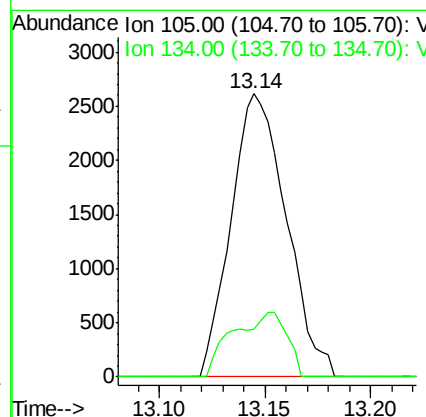
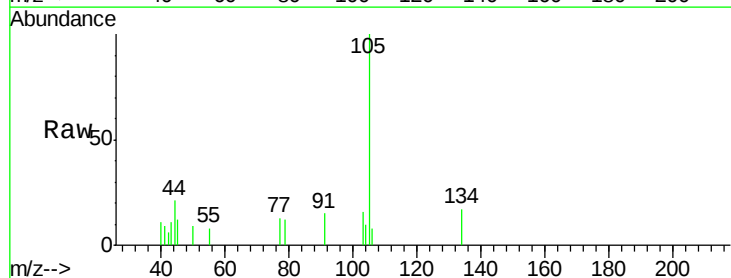
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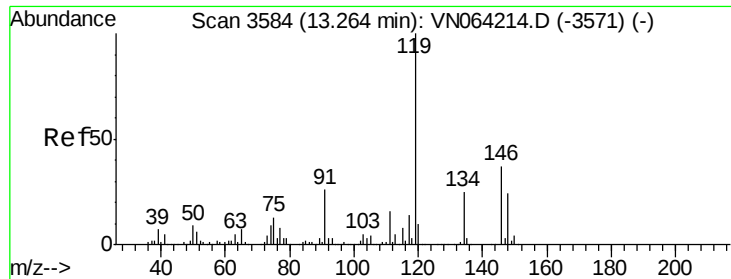
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#85
 sec-Butylbenzene
 Concen: 0.435 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion:105 Resp: 4754
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.7 29.1





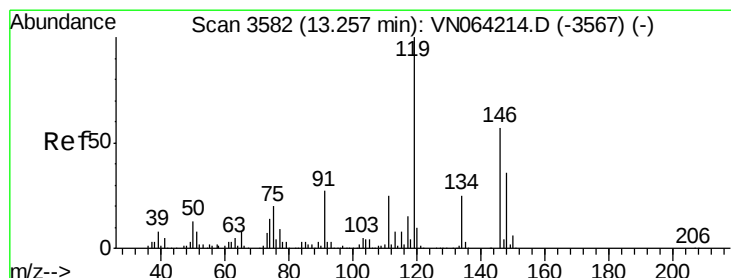
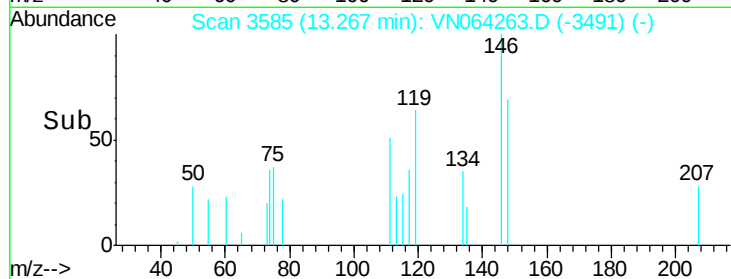
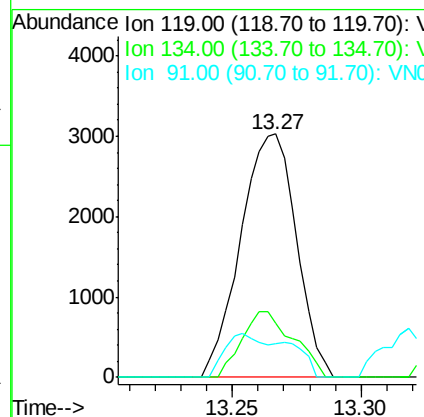
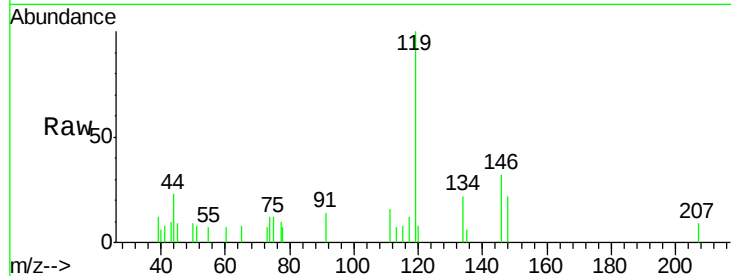
#86
 p-Isopropyltoluene
 Concen: 0.457 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.3
91	12.6	13.4	40.2#

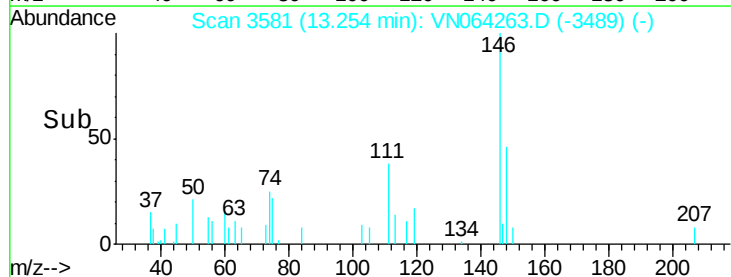
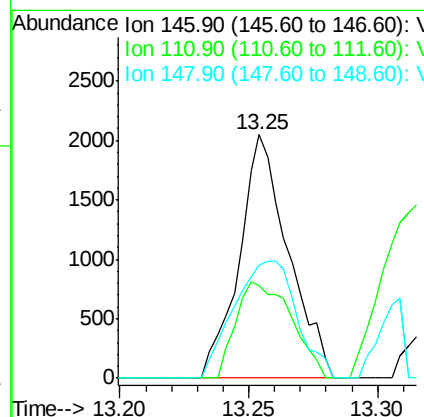
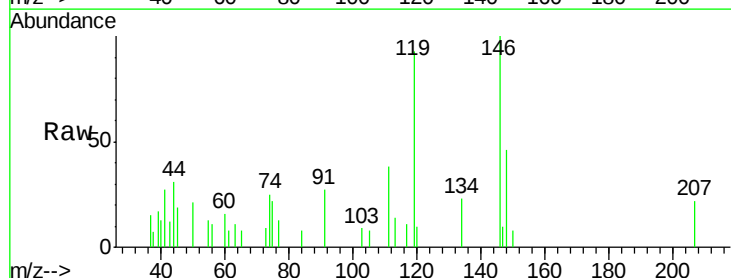
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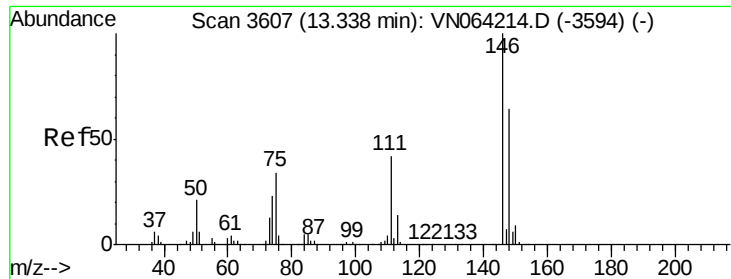
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 0.516 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	65.0
148	61.8	31.7	95.1





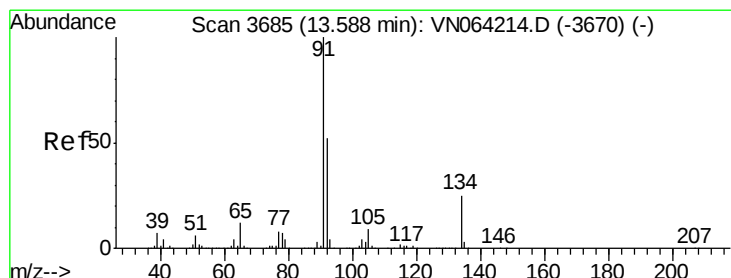
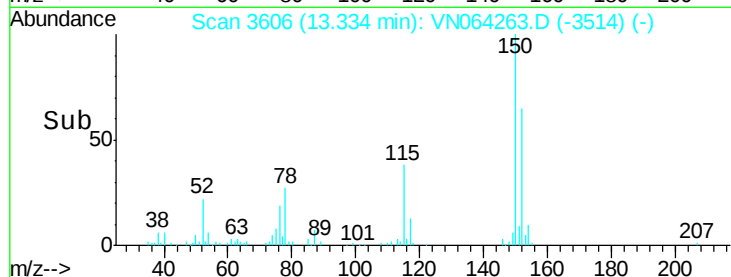
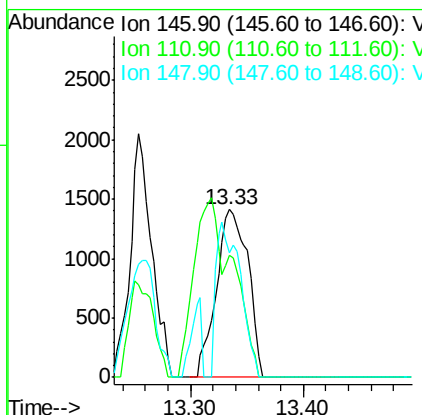
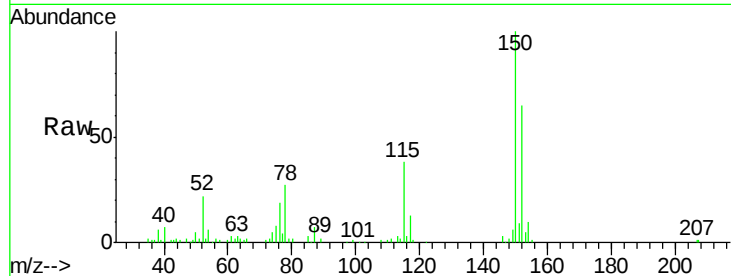
#88
 1,4-Dichlorobenzene
 Concen: 0.508 ug/l m
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.5	64.5
148	61.4	32.0	96.0

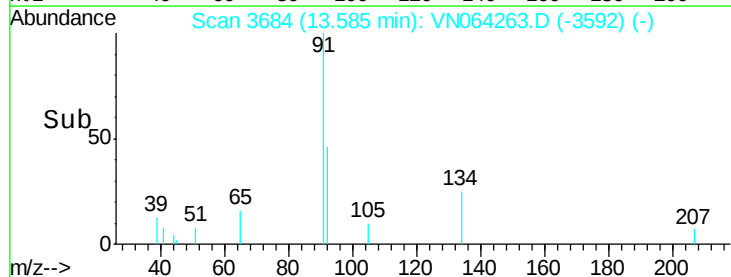
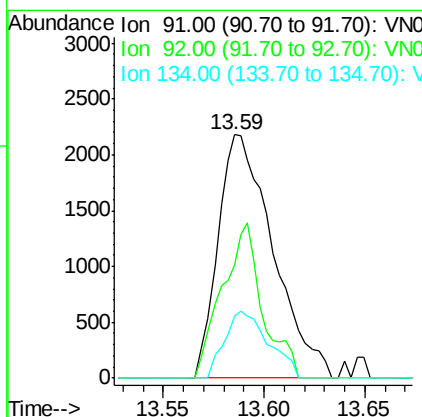
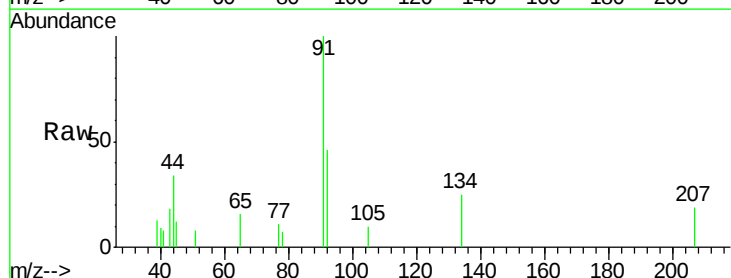
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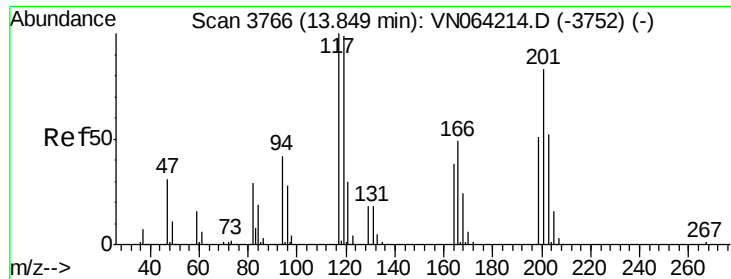
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#89
 n-Butylbenzene
 Concen: 0.464 ug/l
 RT: 13.59 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.7	25.7	77.0
134	22.0	12.3	36.8





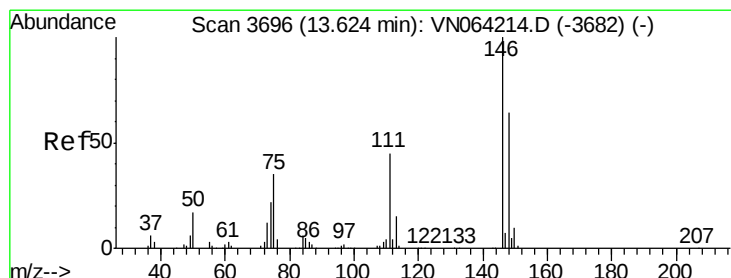
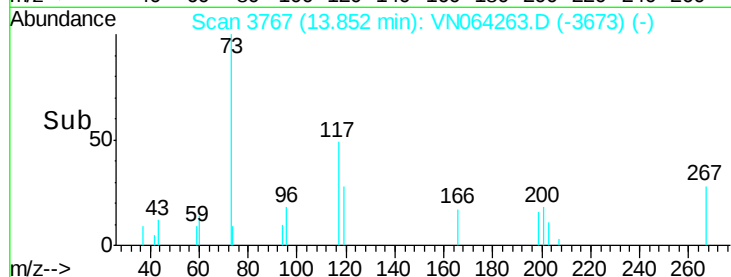
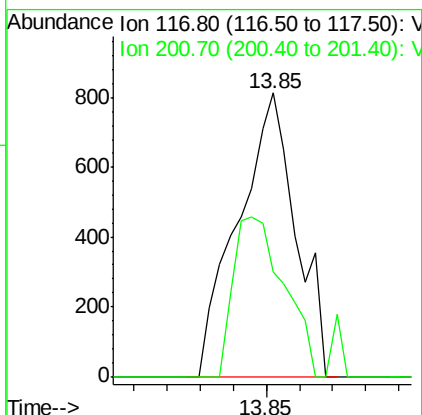
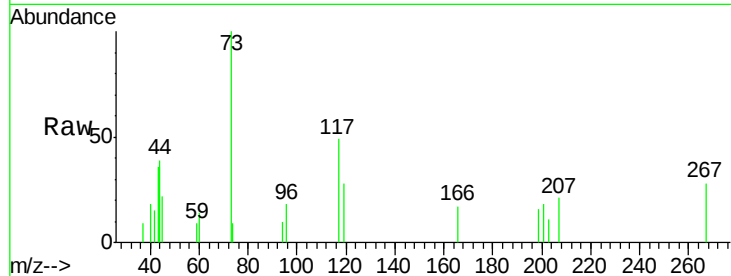
#90
Hexachloroethane
Concen: 0.549 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
117	100		
201	49.3	40.1	120.3

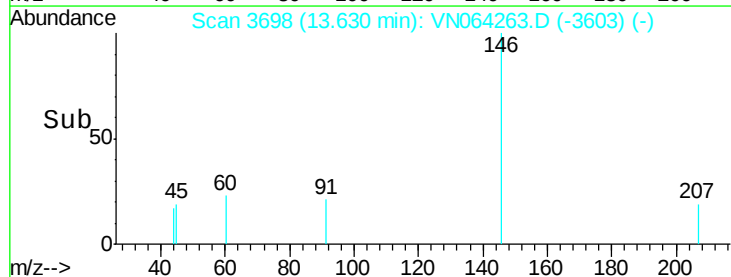
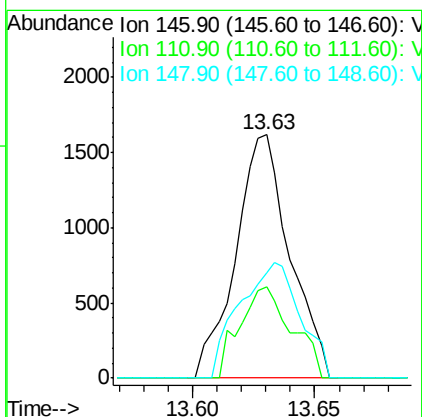
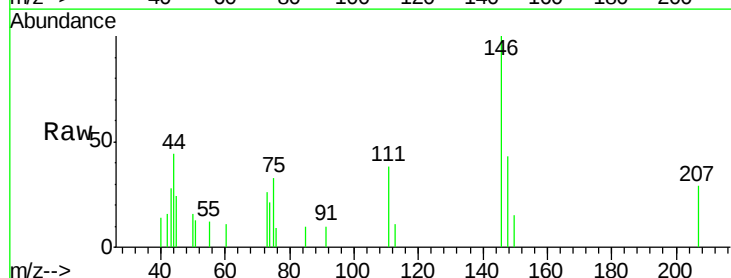
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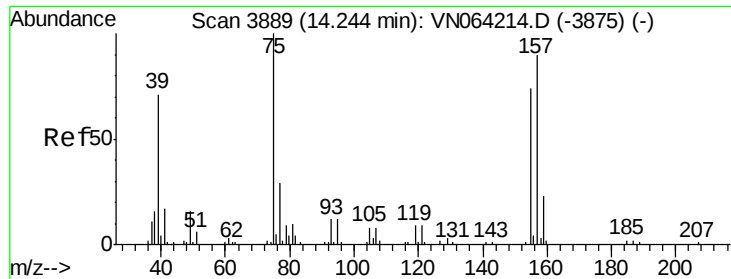
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 0.481 ug/l
RT: 13.63 min Scan# 3698
Delta R.T. 0.01 min
Lab File: VN064263.D
Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	22.9	68.7
148	53.5	31.9	95.5





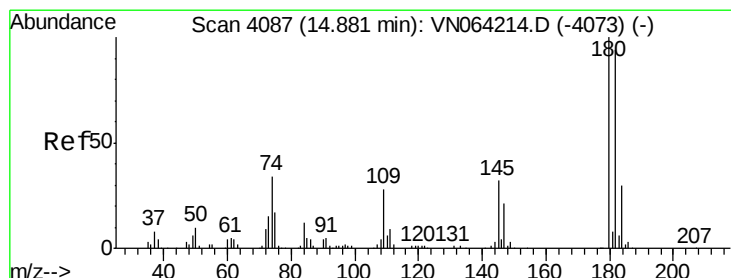
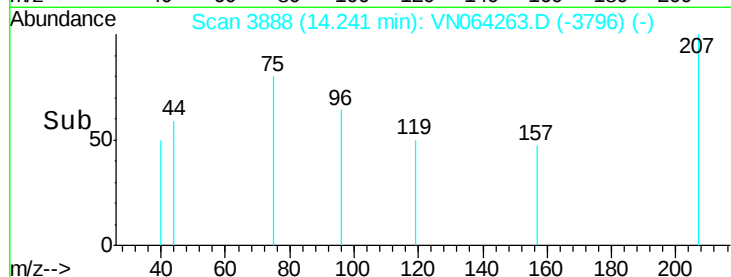
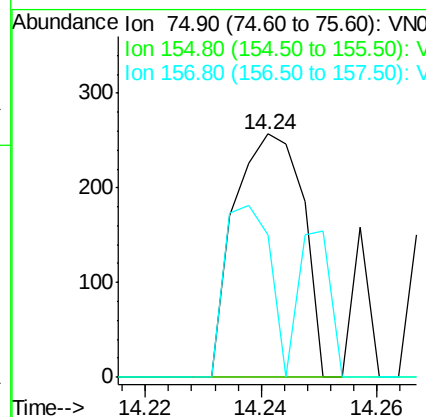
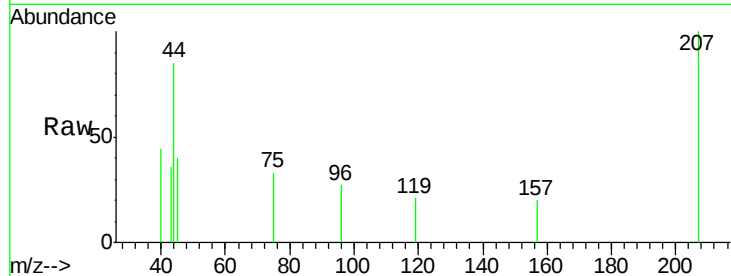
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.254 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.9	110.7#
157	46.7	44.6	133.8

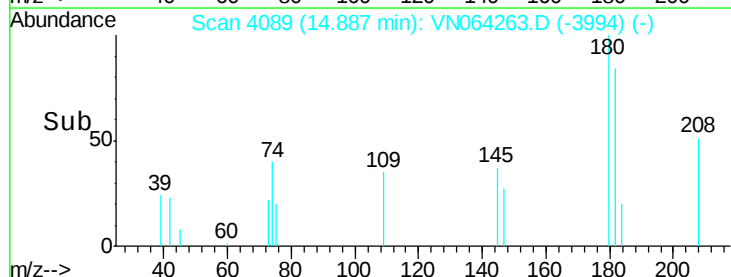
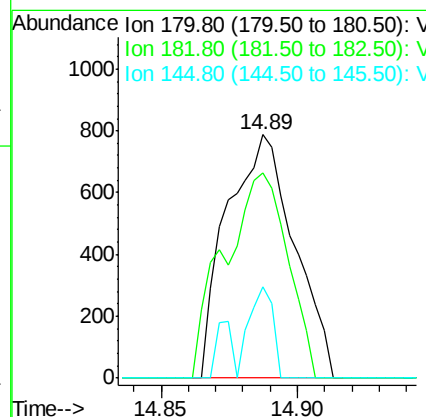
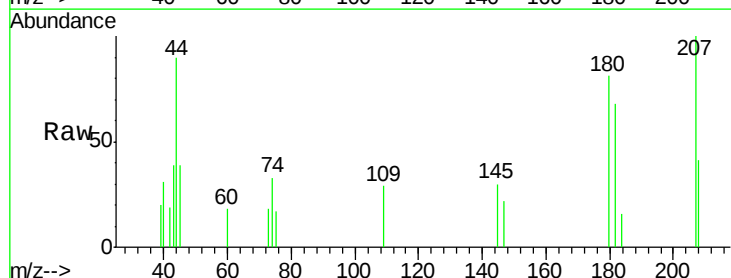
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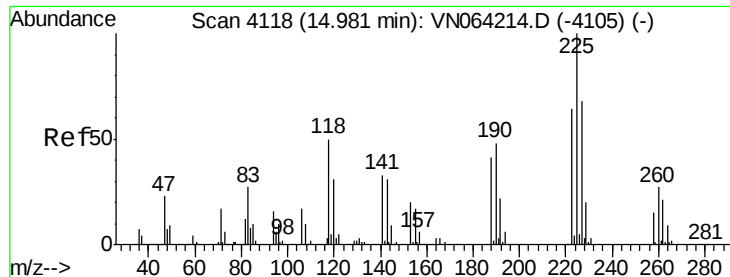
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.466 ug/l
 RT: 14.89 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.3	46.9	140.7
145	13.2	16.1	48.3#





#94

Hexachlorobutadiene

Concen: 0.539 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Instrument :

MSVOA_N

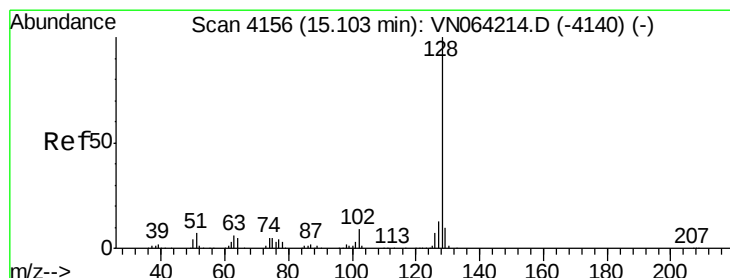
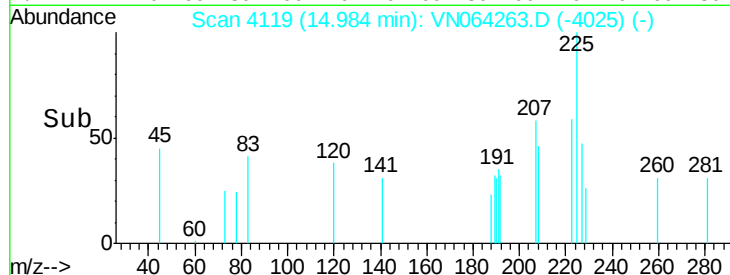
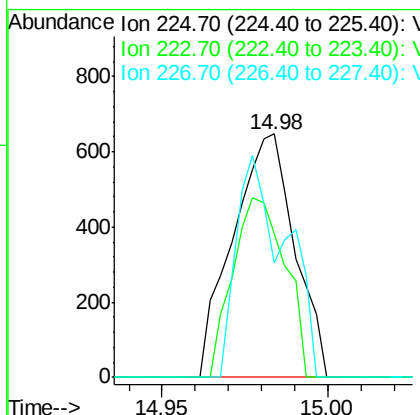
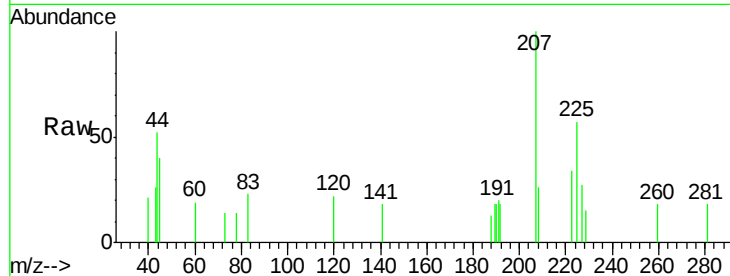
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	225	Resp:	841
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.5	94.5
227	72.4	32.1	96.5

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#95

Naphthalene

Concen: 0.502 ug/l

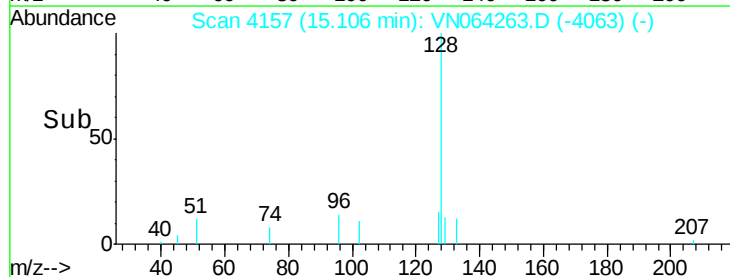
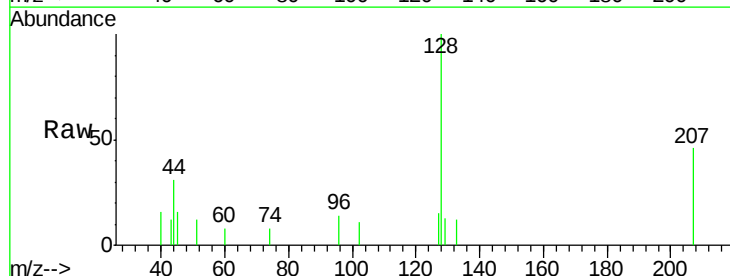
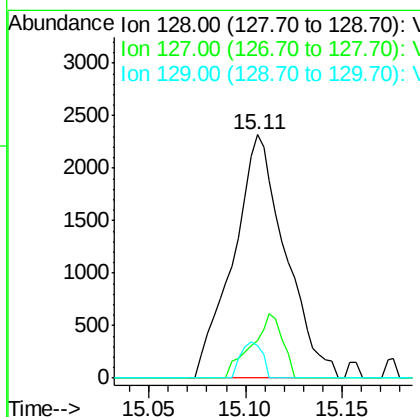
RT: 15.11 min Scan# 4157

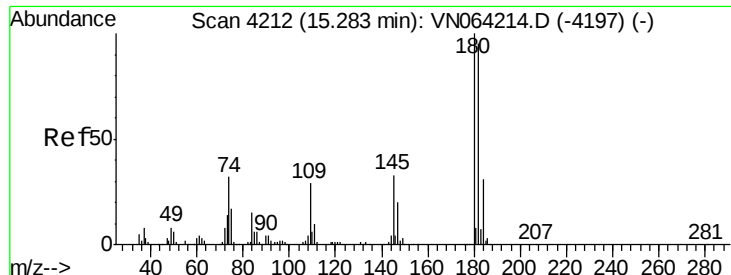
Delta R.T. 0.00 min

Lab File: VN064263.D

Acq: 22 Oct 2020 20:28

Tgt Ion:	128	Resp:	4348
Ion Ratio	Lower	Upper	
128	100		
127	15.5	10.5	15.7
129	6.0	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.440 ug/l m
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064263.D
 Acq: 22 Oct 2020 20:28

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	26.3	48.0	144.2#
145	33.0	17.1	51.3

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