

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052314.D
 Acq On : 14 Nov 2018 15:49
 Operator : MD\SY
 Sample : J5164-09 0.2ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
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 11/20/2018 2:53:55 PM

Quant Time: Nov 15 04:45:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	246948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	370155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	185928	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	7.59	113	142115	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.09	98	543074	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	154755	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	771	0.295	ug/l	89
3) Chloromethane	2.06	50	1304	0.359	ug/l	98
4) Vinyl Chloride	2.19	62	942	0.300	ug/l #	73
5) Bromomethane	2.57	94	631	0.322	ug/l #	64
7) Trichlorofluoromethane	3.03	101	1186	0.273	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	779	0.284	ug/l	89
14) Allyl chloride	4.33	41	1900m	0.364	ug/l	
16) Acetone	3.82	43	2294	2.389	ug/l	97
17) Carbon Disulfide	4.07	76	3362	0.461	ug/l #	83
18) Methyl Acetate	4.34	43	1520m	0.992	ug/l	
19) Methyl tert-butyl Ether	5.05	73	1842m	0.252	ug/l	
20) Methylene Chloride	4.56	84	1949	Below Cal	#	74
21) trans-1,2-Dichloroethene	5.05	96	989m	0.361	ug/l	
22) Diisopropyl ether	5.96	45	3181	0.299	ug/l #	81
23) Vinyl Acetate	5.90	43	6341	0.878	ug/l	98
24) 1,1-Dichloroethane	5.84	63	1448	0.254	ug/l #	85
25) 2-Butanone	6.85	43	1798m	1.330	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	761	0.239	ug/l	93
28) Bromochloromethane	7.19	49	879	0.299	ug/l #	41
29) Tetrahydrofuran	7.21	42	564	0.635	ug/l #	55
30) Chloroform	7.37	83	2866	0.527	ug/l	88
31) Cyclohexane	7.67	56	8586	0.571	ug/l #	23
32) 1,1,1-Trichloroethane	7.57	97	1253	0.270	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	1374	0.314	ug/l	93
38) Carbon Tetrachloride	7.78	117	830	0.206	ug/l #	59
39) Methylcyclohexane	9.09	83	1710	0.342	ug/l #	74
40) Benzene	8.04	78	2980	0.238	ug/l	98
41) Methacrylonitrile	7.18	41	530m	3.973	ug/l	
42) 1,2-Dichloroethane	8.13	62	1268	0.284	ug/l	92
43) Isopropyl Acetate	8.20	43	4725	0.770	ug/l #	69
44) Trichloroethene	8.84	130	892	0.289	ug/l	85
45) 1,2-Dichloropropane	9.12	63	864	0.243	ug/l #	85
46) Dibromomethane	9.21	93	451	0.219	ug/l #	54
47) Bromodichloromethane	9.41	83	1137	0.270	ug/l #	82

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 MDL-WATER-03-QT4-2018

Manual Integrations
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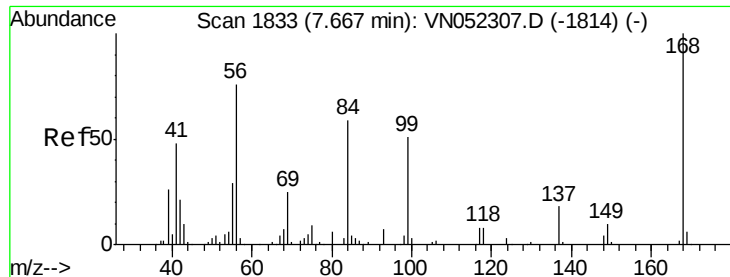
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Quant Time: Nov 15 04:45:10 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

48) Methyl methacrylate	9.20	41	1138	0.366	ug/l #	34
51) 4-Methyl-2-Pentanone	9.99	43	3075	0.996	ug/l #	80
52) Toluene	10.16	92	1879	0.251	ug/l	94
53) t-1,3-Dichloropropene	10.39	75	1059	0.249	ug/l #	54
54) cis-1,3-Dichloropropene	9.84	75	1160	0.239	ug/l #	80
55) 1,1,2-Trichloroethane	10.56	97	704	0.259	ug/l	91
57) 1,3-Dichloropropane	10.70	76	1262	0.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1996	0.982	ug/l #	83
59) 2-Hexanone	10.75	43	2923	1.376	ug/l	94
61) 1,2-Dibromoethane	11.01	107	656	0.243	ug/l	87
64) Tetrachloroethene	10.63	164	708	0.269	ug/l #	81
65) Chlorobenzene	11.43	112	2211	0.283	ug/l	94
67) Ethyl Benzene	11.51	91	3320	0.244	ug/l	96
68) m/p-Xylenes	11.62	106	2589	0.522	ug/l	99
69) o-Xylene	11.94	106	1106	0.233	ug/l	75
70) Styrene	11.96	104	2059	0.270	ug/l	90
73) Isopropylbenzene	12.25	105	2925	0.285	ug/l	82
74) N-amyl acetate	12.07	43	1513	0.413	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.51	83	908m	0.365	ug/l	
76) 1,2,3-Trichloropropane	12.55	75	655m	0.302	ug/l	
77) Bromobenzene	12.53	156	789	0.330	ug/l	87
78) n-propylbenzene	12.59	91	3225	0.268	ug/l	90
79) 2-Chlorotoluene	12.67	91	2225	0.317	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	2186	0.267	ug/l	92
82) 4-Chlorotoluene	12.77	91	2564	0.356	ug/l	88
83) tert-Butylbenzene	12.99	119	2159	0.299	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	2262	0.276	ug/l	99
85) sec-Butylbenzene	13.17	105	2606	0.265	ug/l	98
86) p-Isopropyltoluene	13.29	119	2065	0.248	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	1298	0.306	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	1670m	0.396	ug/l	
89) n-Butylbenzene	13.61	91	1832	0.256	ug/l	87
90) Hexachloroethane	13.87	117	384	0.260	ug/l	61
91) 1,2-Dichlorobenzene	13.65	146	1305	0.317	ug/l	92
93) 1,2,4-Trichlorobenzene	14.92	180	610m	2.561	ug/l	
94) Hexachlorobutadiene	15.01	225	355	0.377	ug/l #	50
95) Naphthalene	15.13	128	1362	2.890	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	499	0.319	ug/l #	68

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



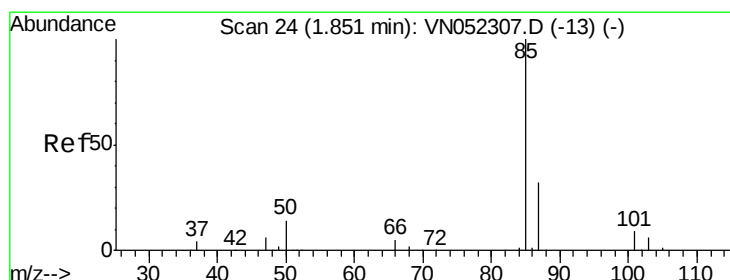
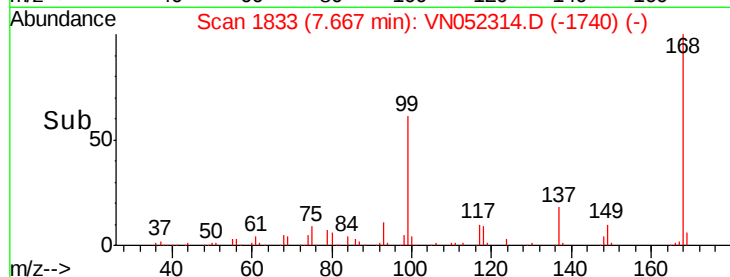
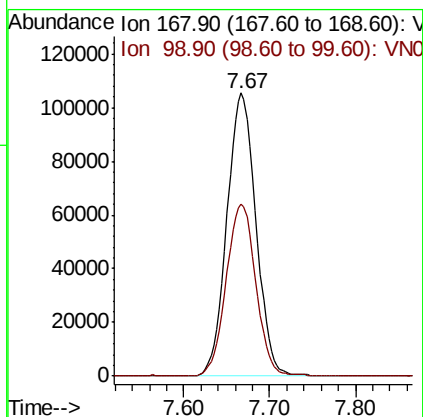
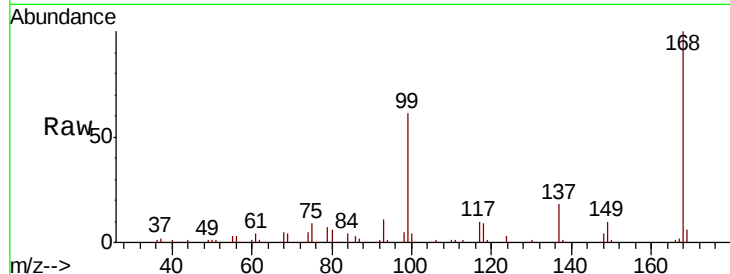
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion:168 Resp: 246948
Ion Ratio Lower Upper
168 100
99 60.6 47.9 71.9

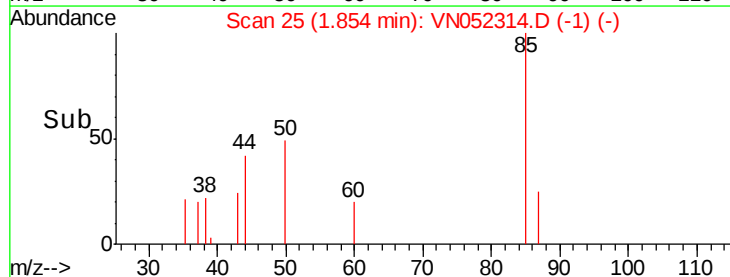
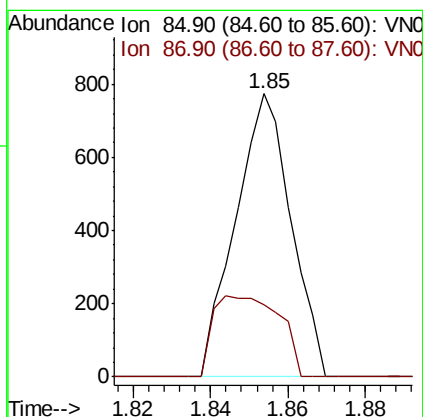
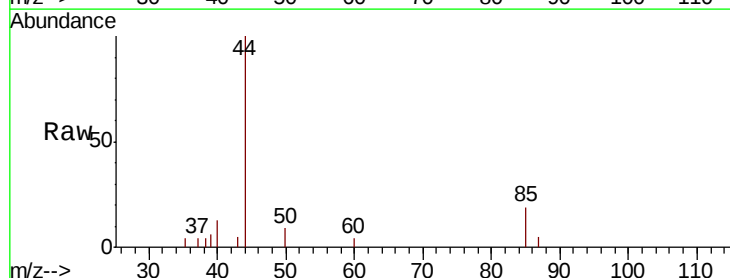
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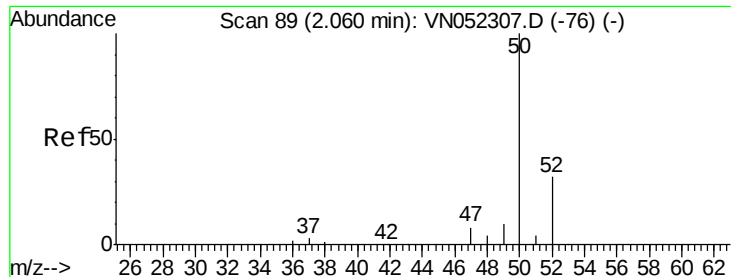
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#2
Dichlorodifluoromethane
Concen: 0.295 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 85 Resp: 771
Ion Ratio Lower Upper
85 100
87 25.4 15.9 47.6





#3

Chloromethane

Concen: 0.359 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 50 Resp: 1304

Ion Ratio Lower Upper

50 100

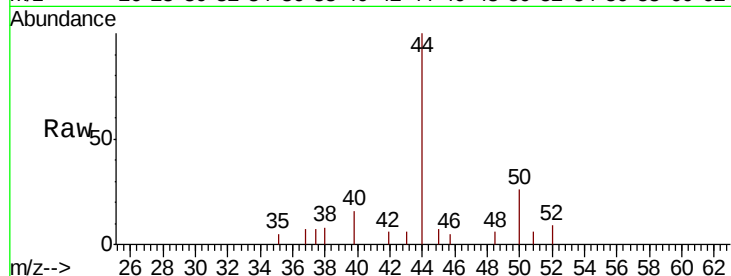
52 33.1 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

800

600

400

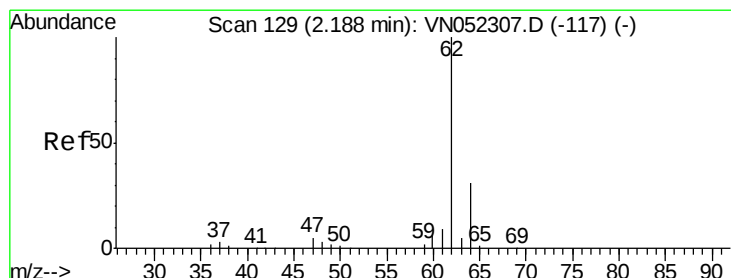
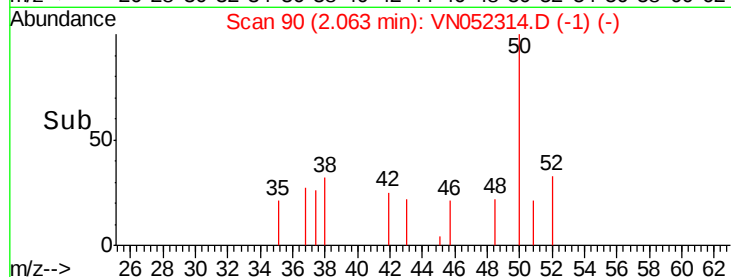
200

0

2.05

2.10

Time-->



#4

Vinyl Chloride

Concen: 0.300 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052314.D

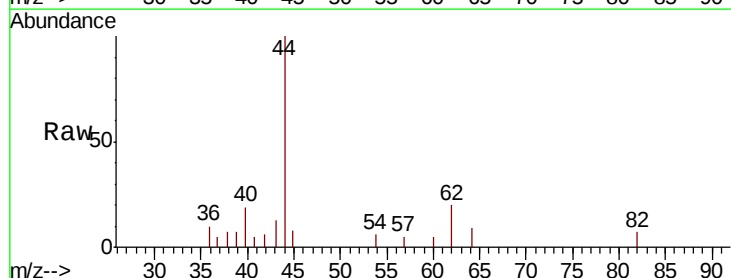
Acq: 14 Nov 2018 15:49

Tgt Ion: 62 Resp: 942

Ion Ratio Lower Upper

62 100

64 46.3 25.2 37.8#



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

600

400

200

0

2.14

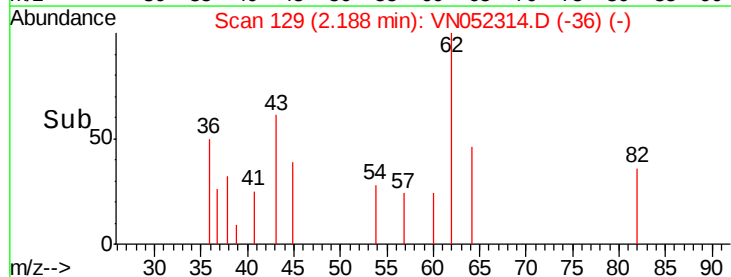
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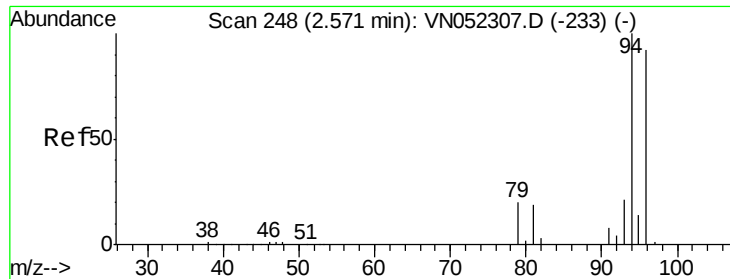
2.18

2.20

2.22

Time-->





#5

Bromomethane

Concen: 0.322 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

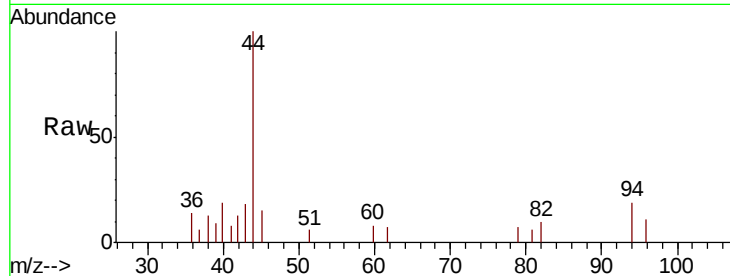
96 57.5 73.6 110.4#

Manual Integrations

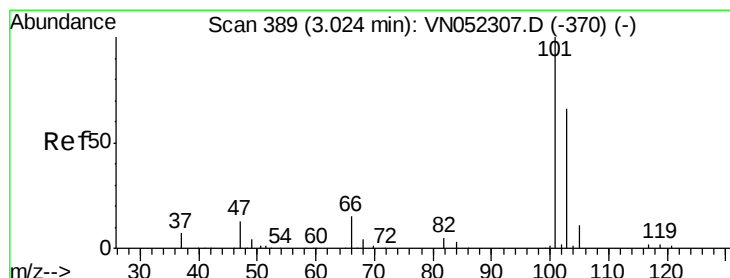
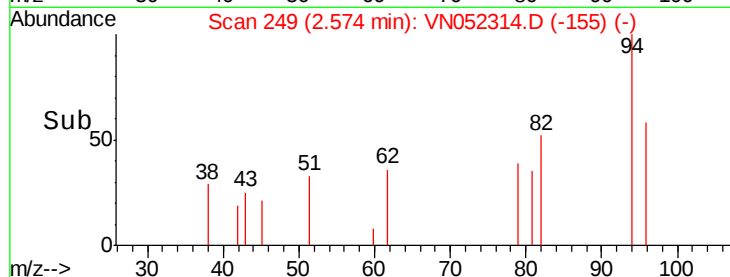
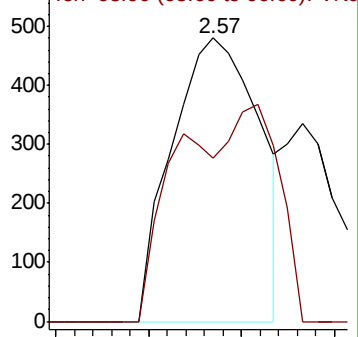
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Abundance Ion 93.90 (93.60 to 94.60): VN052314.D (-233) (-)



#7

Trichlorofluoromethane

Concen: 0.273 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.00 min

Lab File: VN052314.D

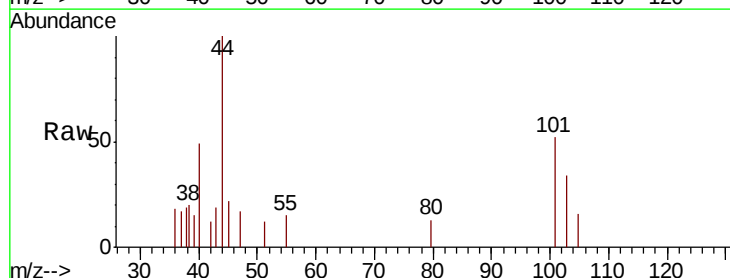
Acq: 14 Nov 2018 15:49

Tgt Ion: 101 Resp: 1186

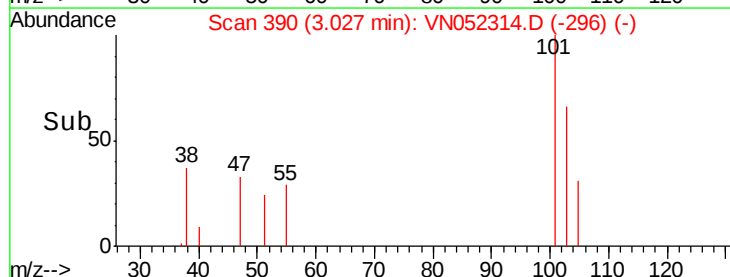
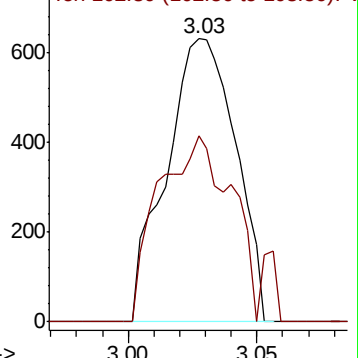
Ion Ratio Lower Upper

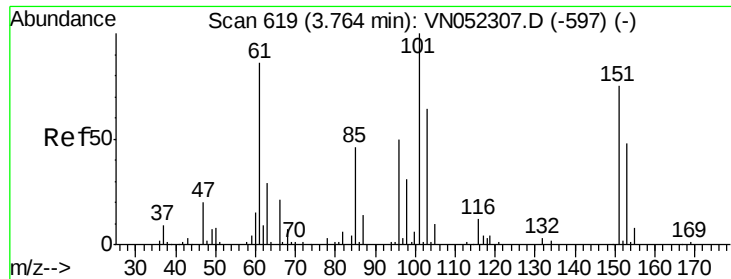
101 100

103 65.5 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): VN052314.D (-370) (-)





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.284 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

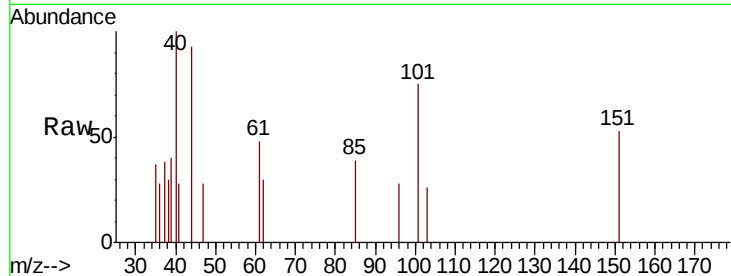
ClientSampleId :

MDL-WATER-03-QT4-2018

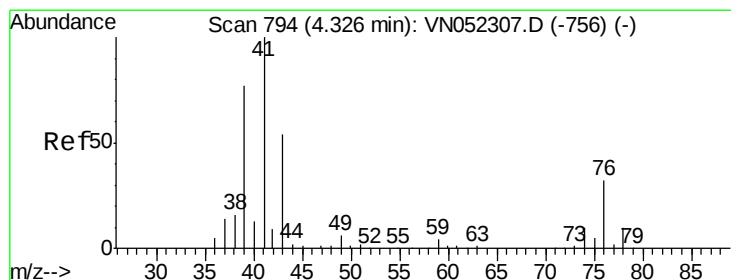
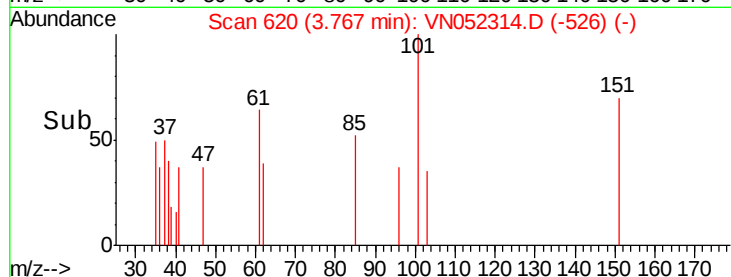
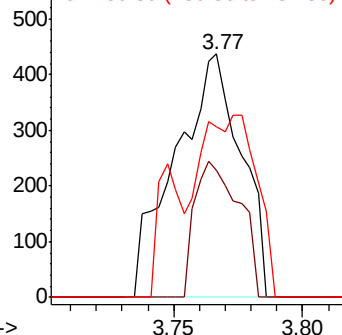
Tot Ion:	101	Resp:	779
Ion Ratio	Lower	Upper	
101	100		
85	38.1	37.4	56.0
151	65.3	58.6	88.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#14

Allyl chloride

Concen: 0.364 ug/l m

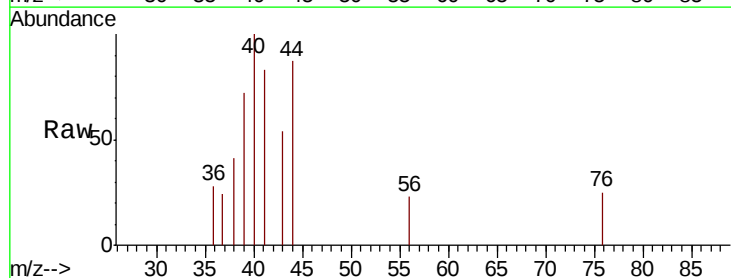
RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

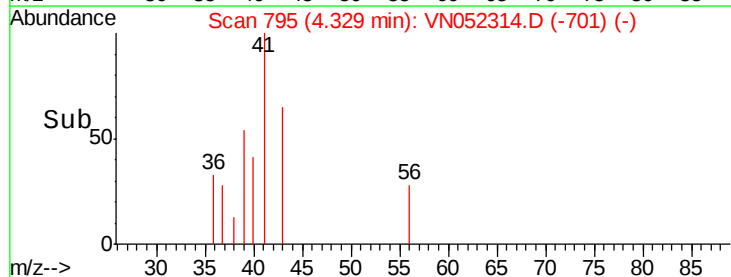
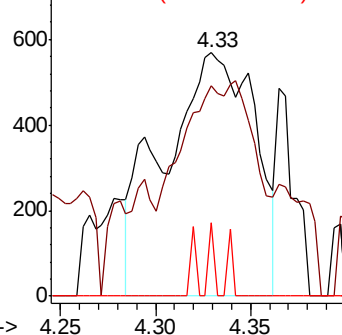
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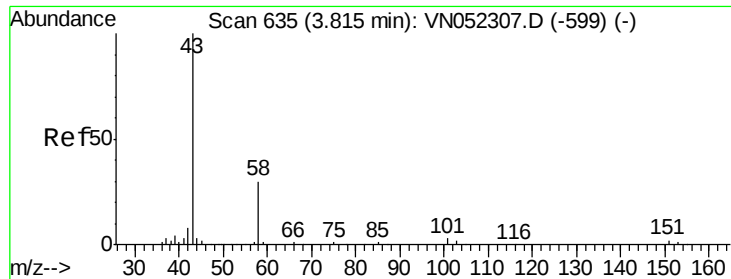
Acq: 14 Nov 2018 15:49

Tgt Ion:	41	Resp:	1900
Ion Ratio	Lower	Upper	
41	100		
39	22.1	59.1	88.7#
76	0.0	24.1	36.1#



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 75.90 (75.60 to 76.60): V





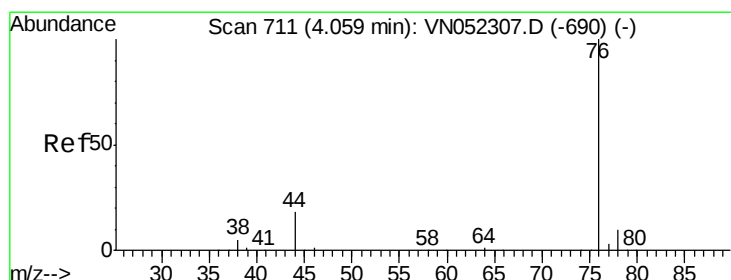
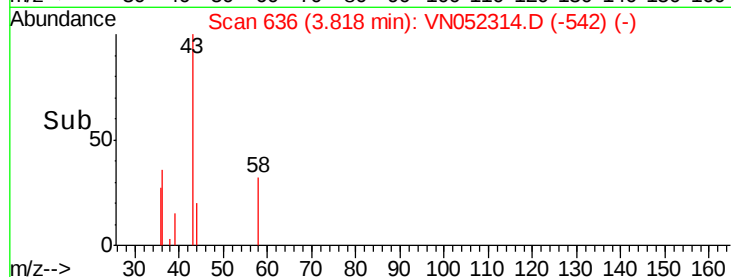
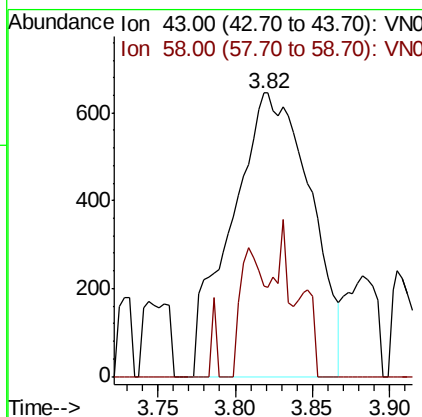
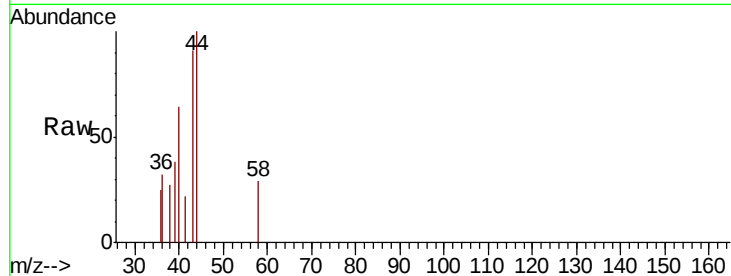
#16
Acetone
Concen: 2.389 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
58 32.1 24.2 36.4

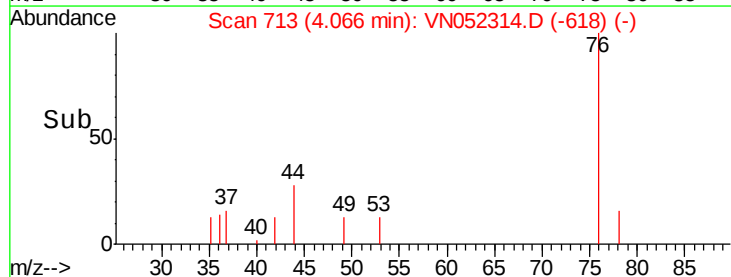
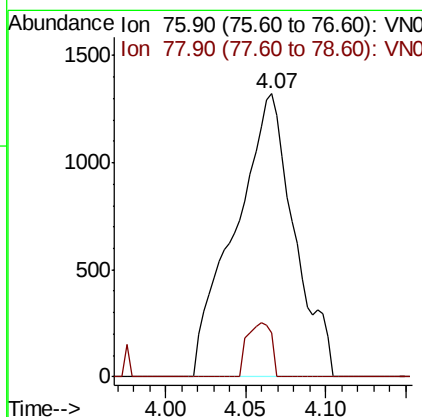
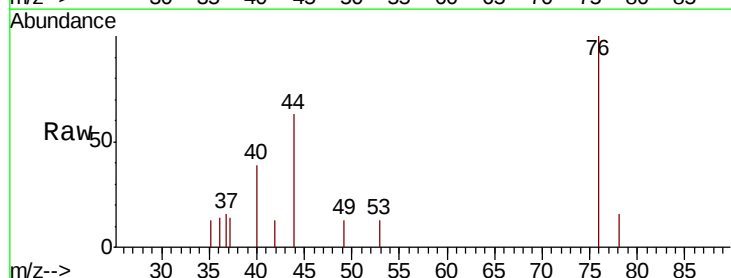
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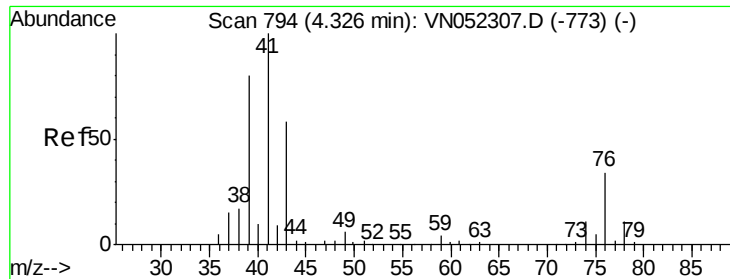
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#17
Carbon Disulfide
Concen: 0.461 ug/l
RT: 4.07 min Scan# 713
Delta R.T. 0.01 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 76 Resp: 3362
Ion Ratio Lower Upper
76 100
78 15.7 7.7 11.5#





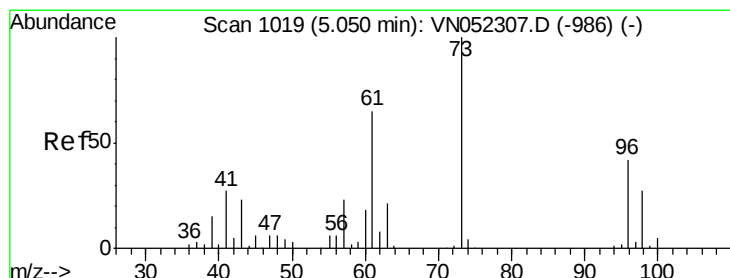
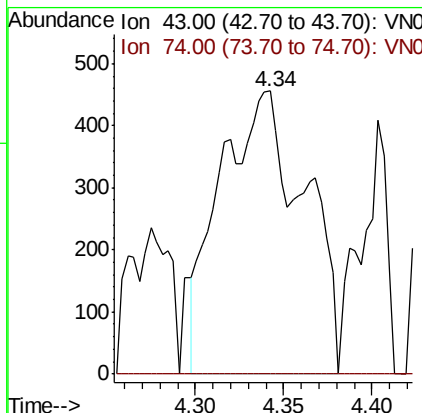
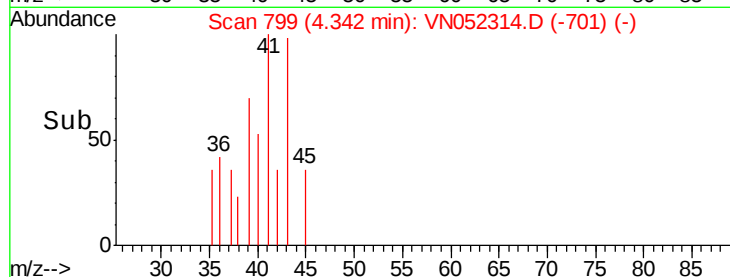
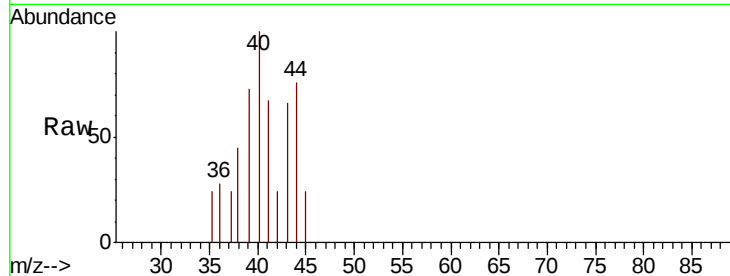
#18
Methyl Acetate
Concen: 0.992 ug/l m
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 43 Resp: 1520
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#

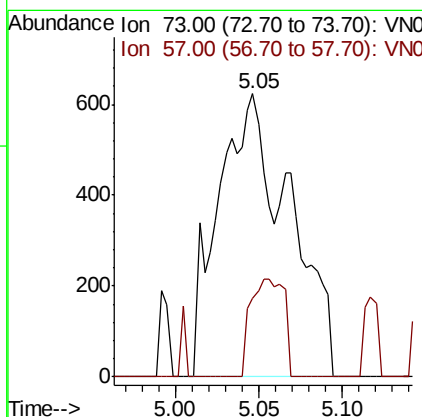
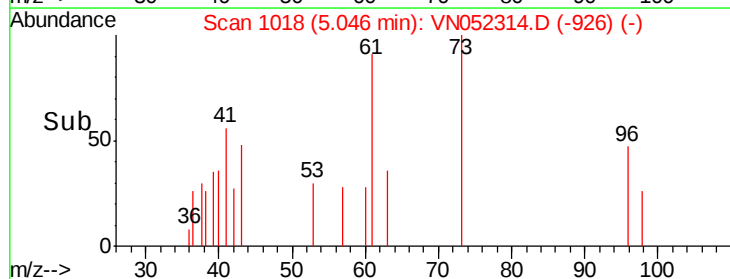
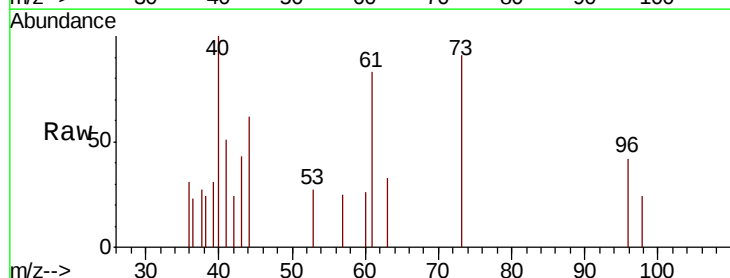
Manual Integrations
APPROVED

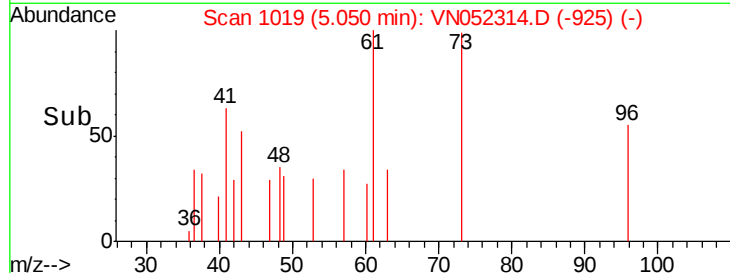
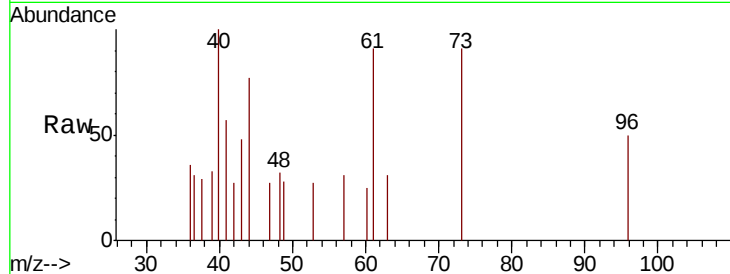
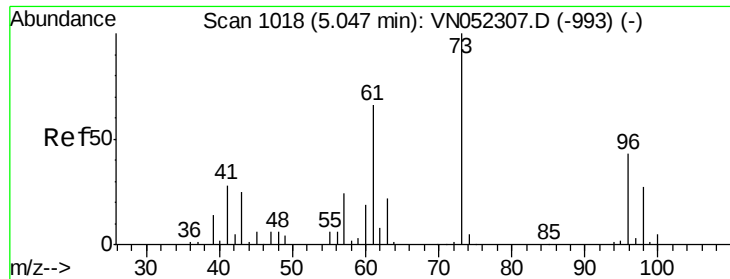
MMDadoda
11/20/2018 2:53:55 PM



#19
Methyl tert-butyl Ether
Concen: 0.252 ug/l m
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 73 Resp: 1842
Ion Ratio Lower Upper
73 100
57 27.9 18.7 28.1





#21

trans-1,2-Dichloroethene

Concen: 0.361 ug/l m

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

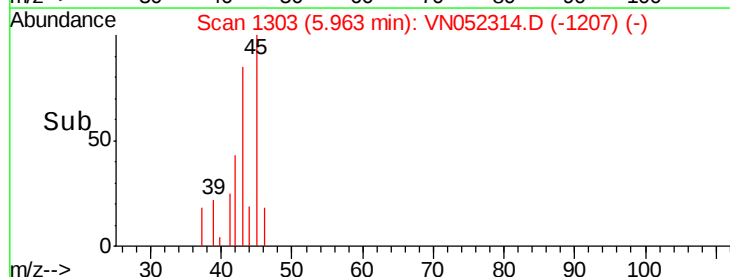
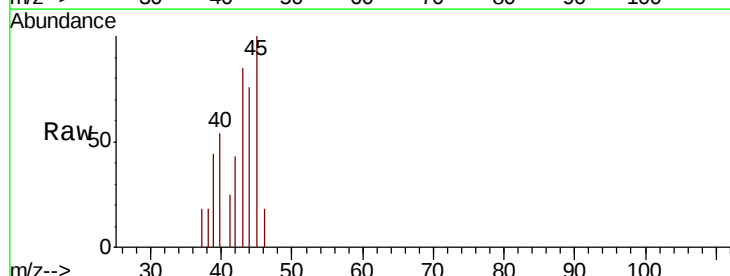
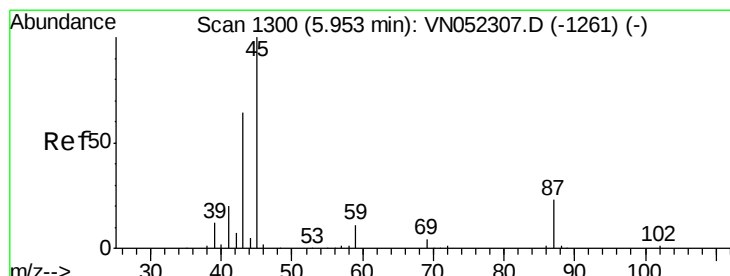
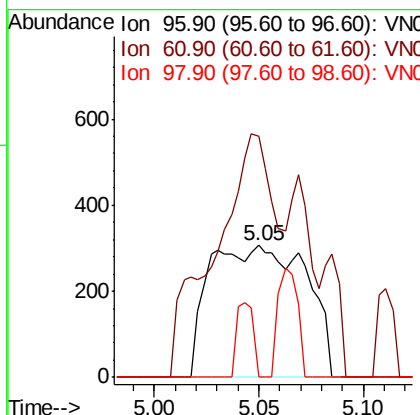
Tot Ion: 96 Resp: 989

Ion	Ratio	Lower	Upper
96	100		
61	183.0	123.6	185.4
98	0.0	50.7	76.1#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Manual Integrations
APPROVED

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11/20/2018 2:53:55 PM



#22

Diisopropyl ether

Concen: 0.299 ug/l

RT: 5.96 min Scan# 1303

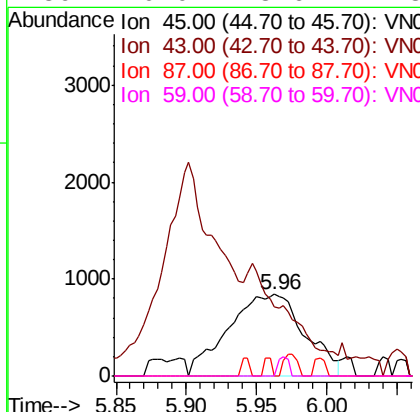
Delta R.T. 0.01 min

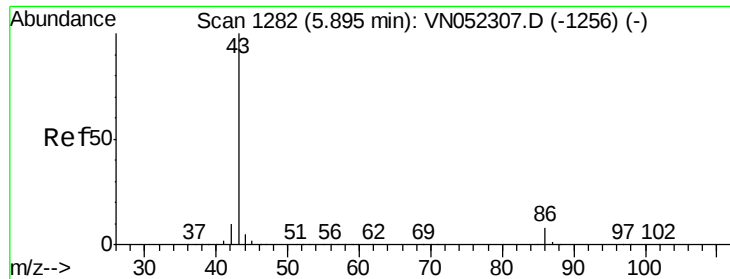
Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion: 45 Resp: 3181

Ion	Ratio	Lower	Upper
45	100		
43	59.2	51.4	77.2
87	0.0	18.8	28.2#
59	0.0	8.6	12.8#





#23

Vinyl Acetate

Concen: 0.878 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 43 Resp: 6341

Ion Ratio Lower Upper

43 100

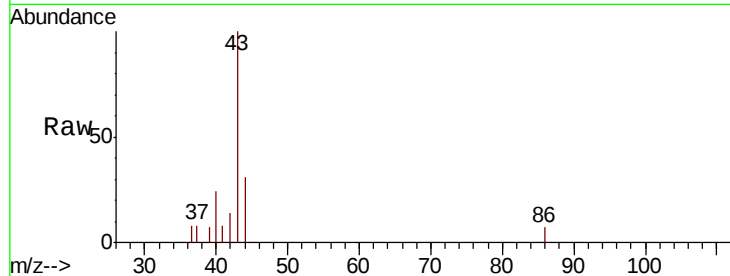
86 7.2 6.5 9.7

Manual Integrations

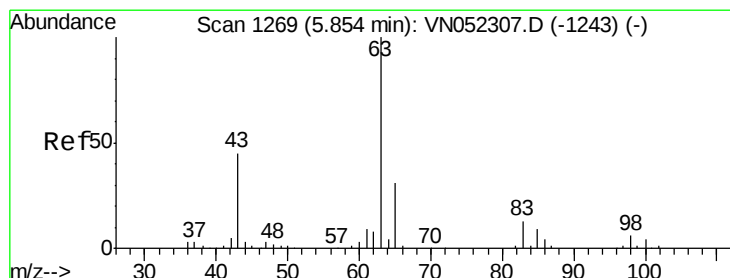
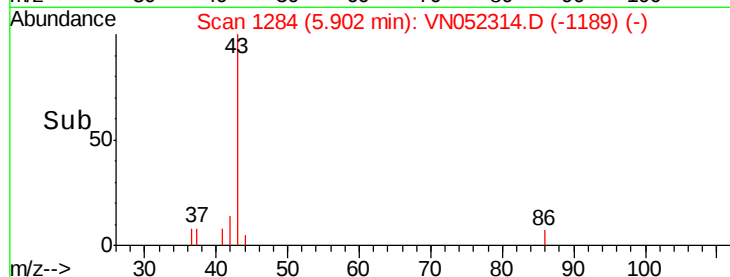
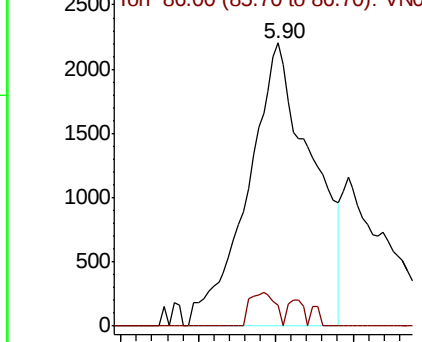
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Abundance Ion 43.00 (42.70 to 43.70): VN052314.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 0.254 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

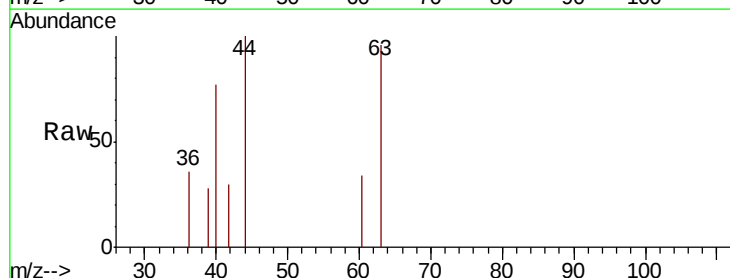
Tgt Ion: 63 Resp: 1448

Ion Ratio Lower Upper

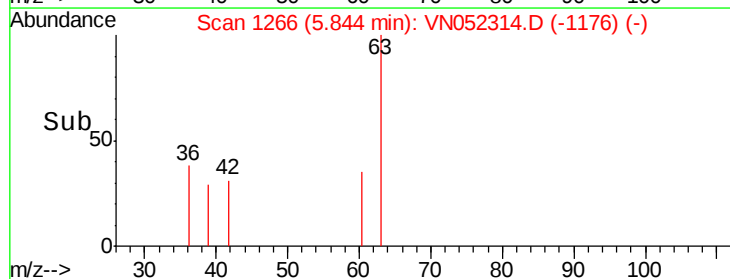
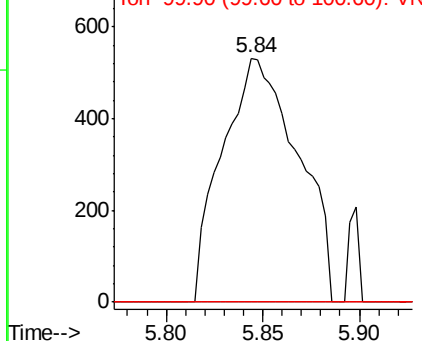
63 100

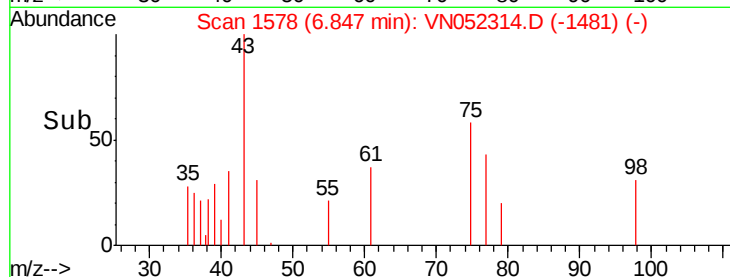
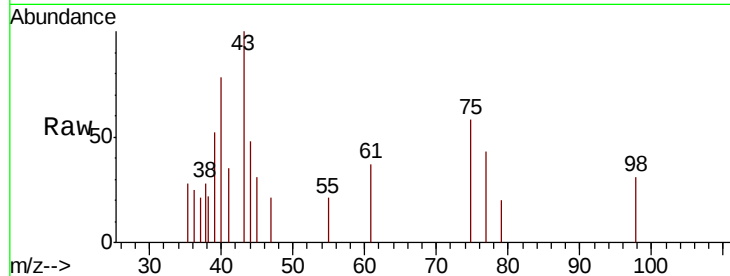
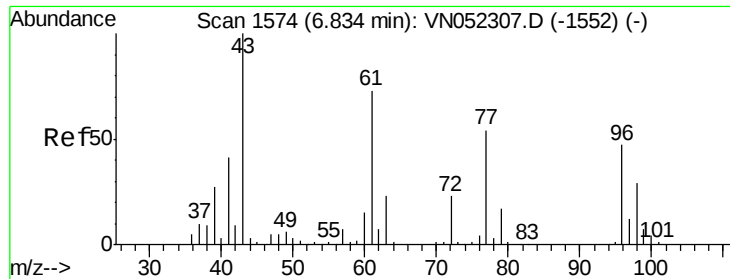
98 0.0 2.9 8.6#

100 0.0 1.9 5.7#



Abundance Ion 62.90 (62.60 to 63.60): VN052314.D (-1176) (-)





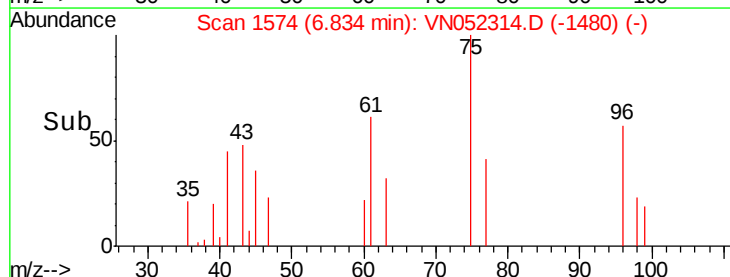
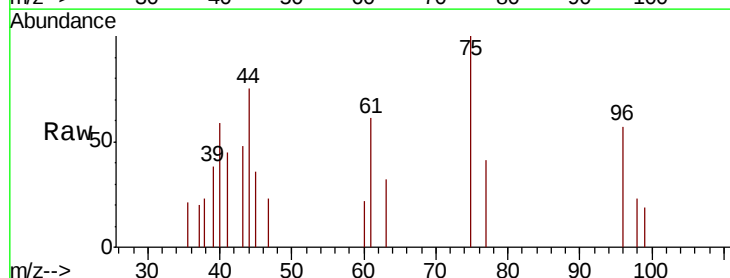
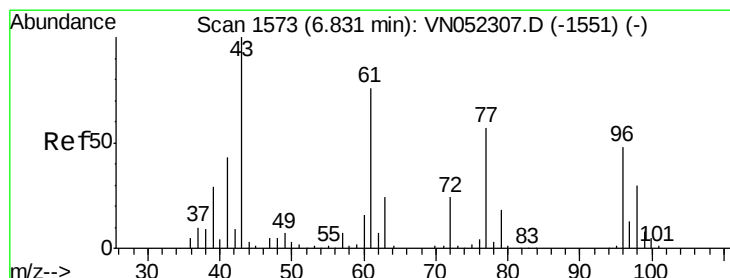
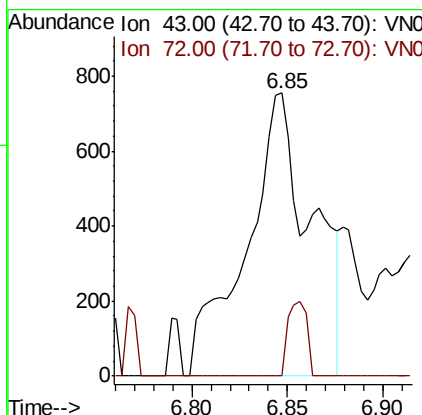
#25
2-Butanone
Concen: 1.330 ug/l m
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tot Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

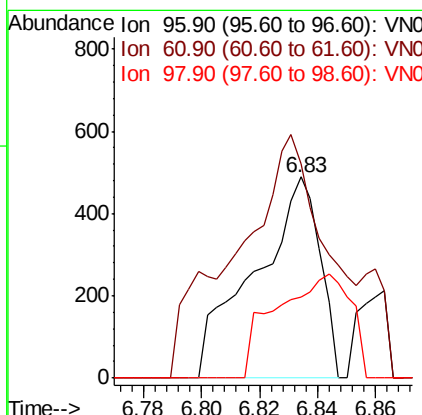
Manual Integrations
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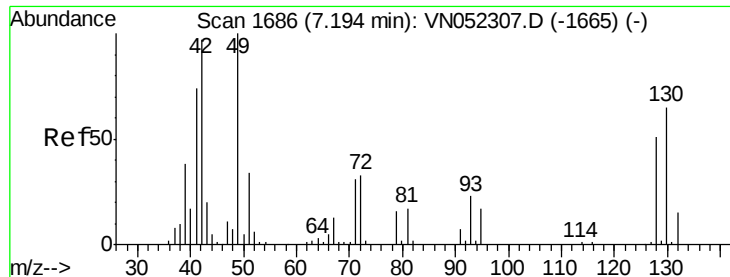
MMDadoda
11/20/2018 2:53:55 PM



#27
cis-1,2-Dichloroethene
Concen: 0.239 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 96 Resp: 761
Ion Ratio Lower Upper
96 100
61 169.5 0.0 316.8
98 59.5 0.0 126.6





#28

Bromochloromethane

Concen: 0.299 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

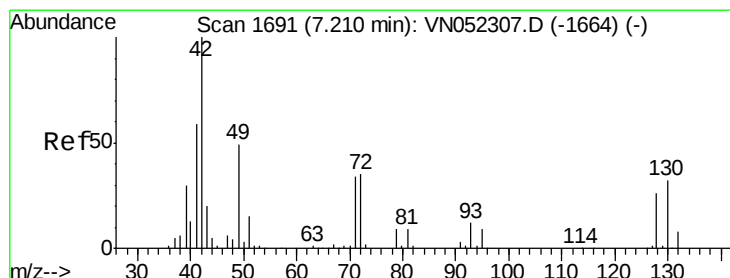
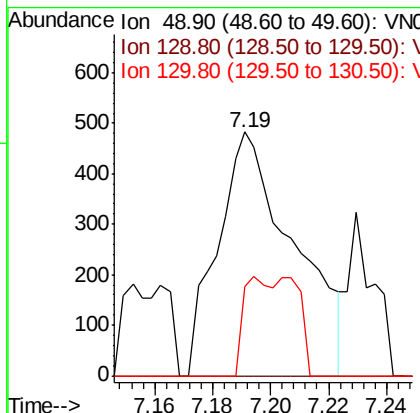
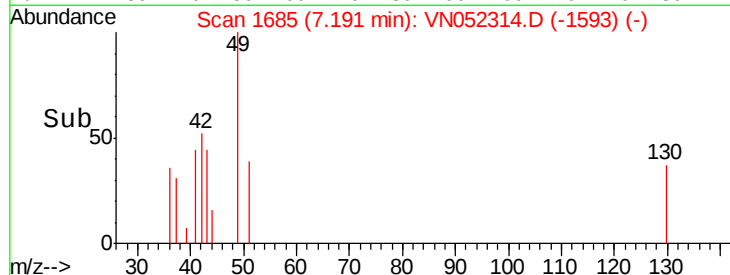
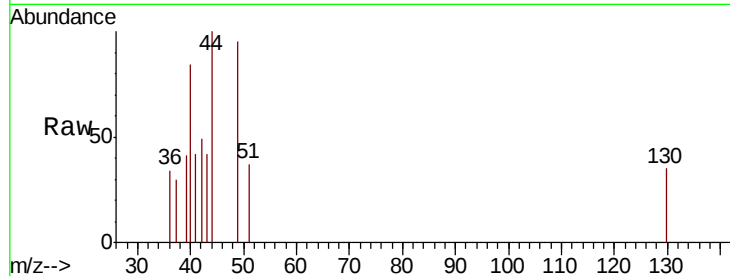
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	15.9	50.4	75.6#

Manual Integrations
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11/20/2018 2:53:55 PM



#29

Tetrahydrofuran

Concen: 0.635 ug/l

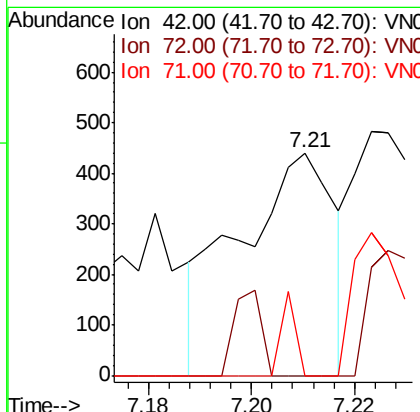
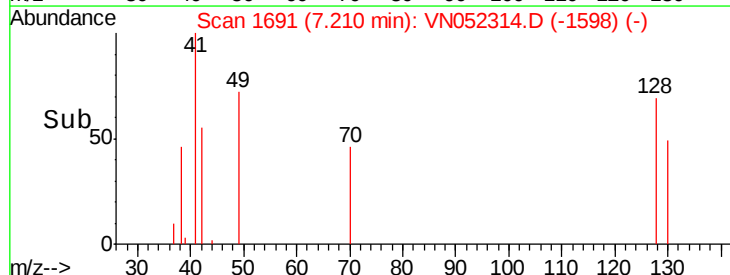
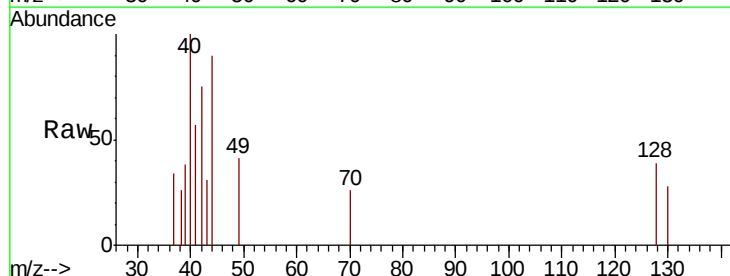
RT: 7.21 min Scan# 1691

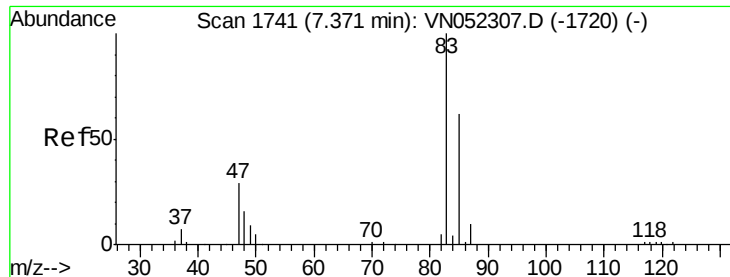
Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
42	100		
72	11.0	28.6	42.8#
71	5.7	26.7	40.1#





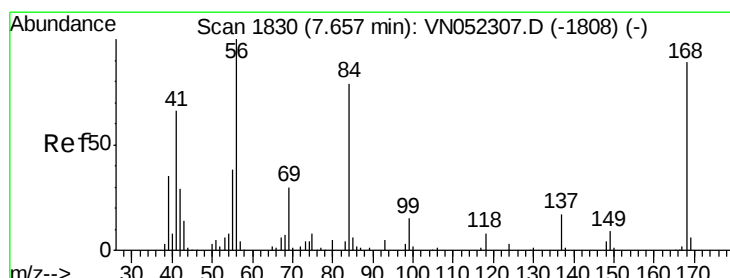
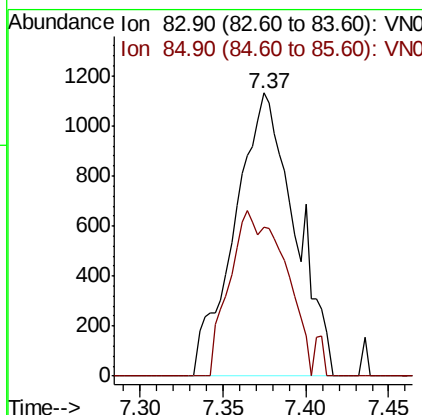
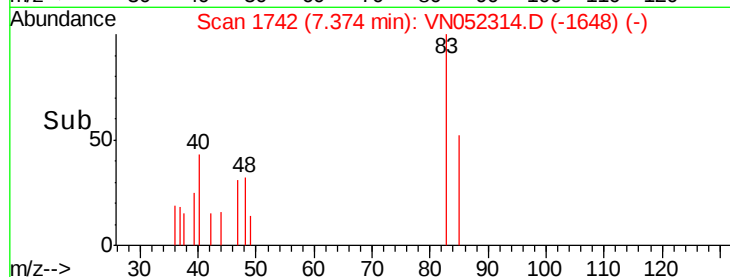
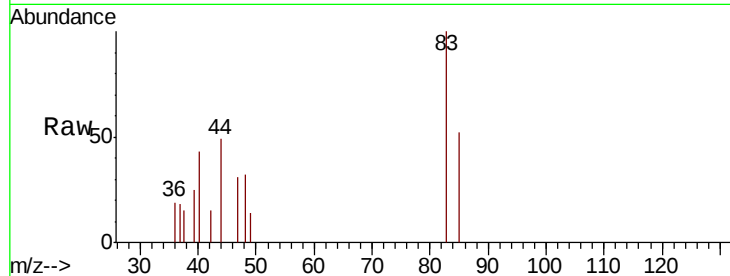
#30
Chloroform
Concen: 0.527 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 83 Resp: 2866
Ion Ratio Lower Upper
83 100
85 52.5 49.4 74.2

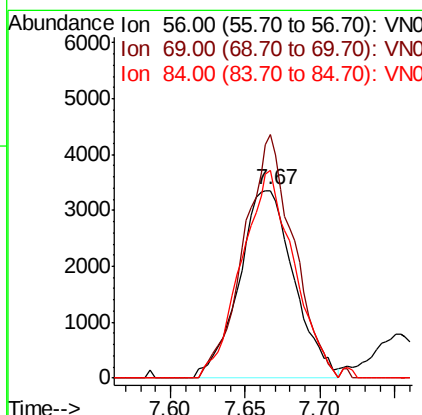
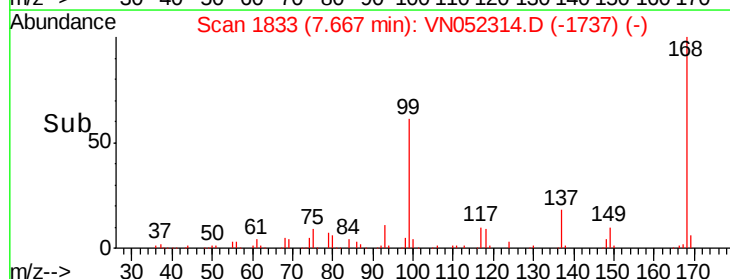
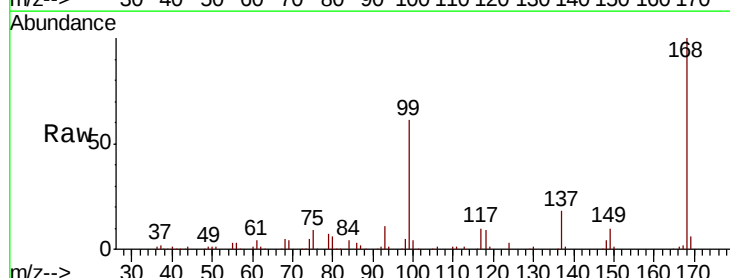
Manual Integrations
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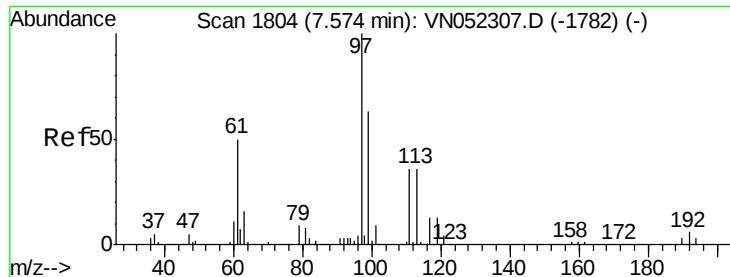
MMDadoda
11/20/2018 2:53:55 PM



#31
Cyclohexane
Concen: 0.571 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 56 Resp: 8586
Ion Ratio Lower Upper
56 100
69 129.7 23.8 35.8#
84 110.4 63.0 94.6#





#32

1,1,1-Trichloroethane

Concen: 0.270 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

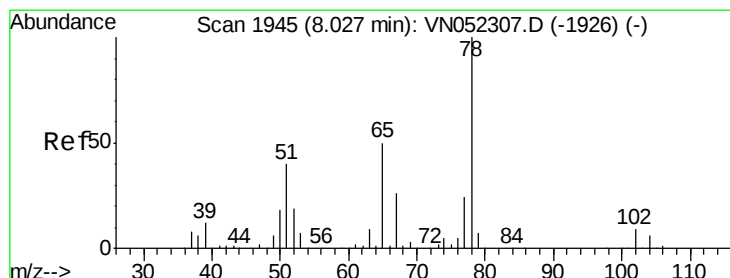
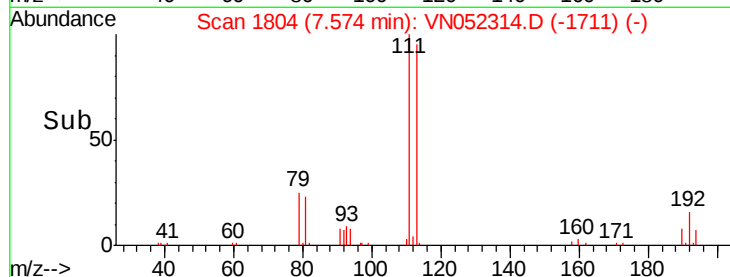
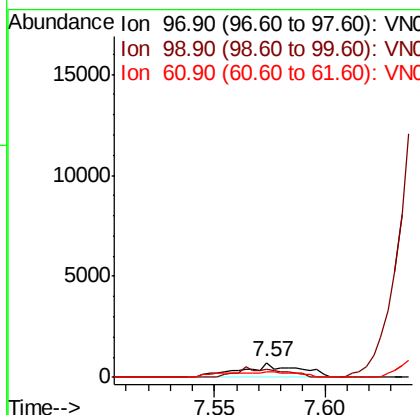
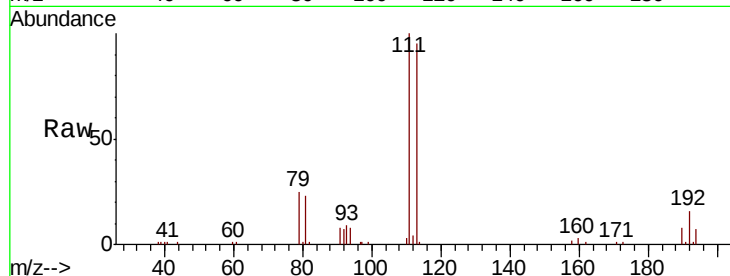
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	97	Resp:	1253
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.2	75.2#
61	26.3	40.2	60.4#

Manual Integrations
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11/20/2018 2:53:55 PM



#33

1,2-Dichloroethane-d4

Concen: 0.270 ug/l

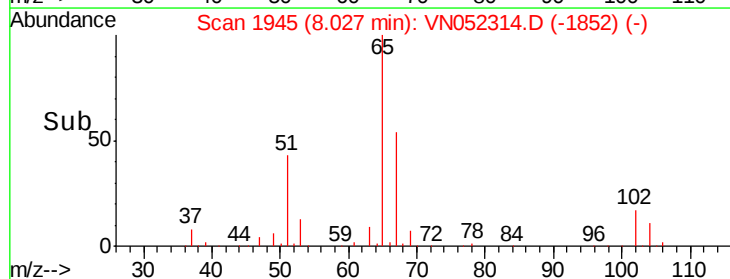
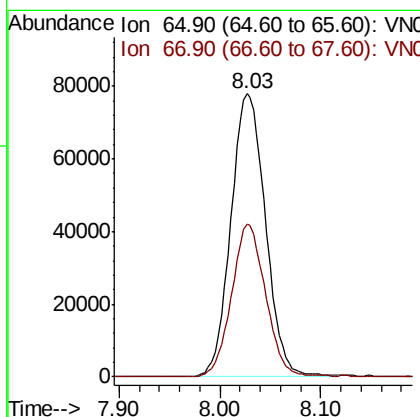
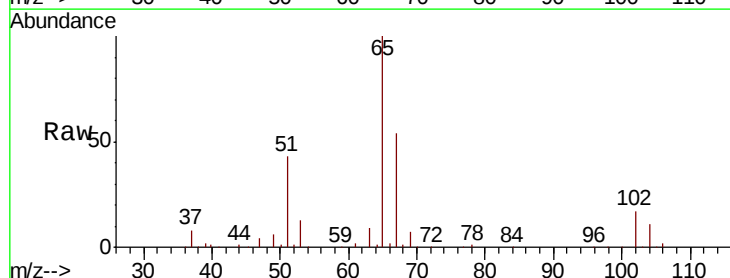
RT: 8.03 min Scan# 1945

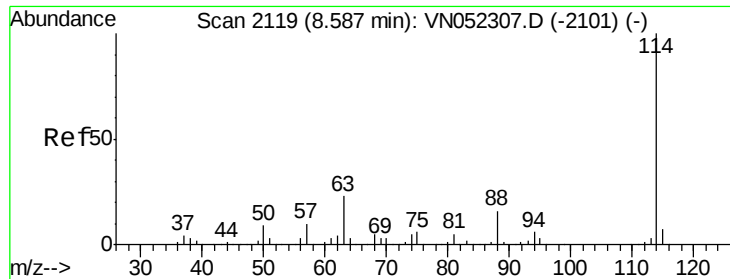
Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	65	Resp:	185928
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.2





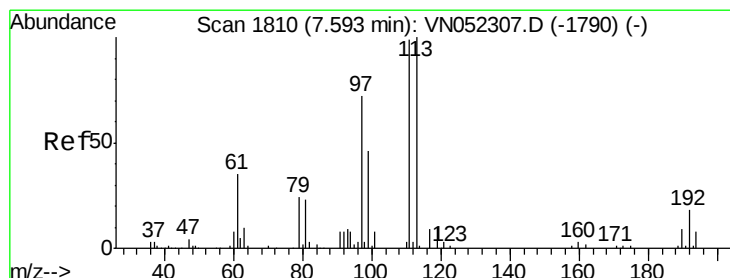
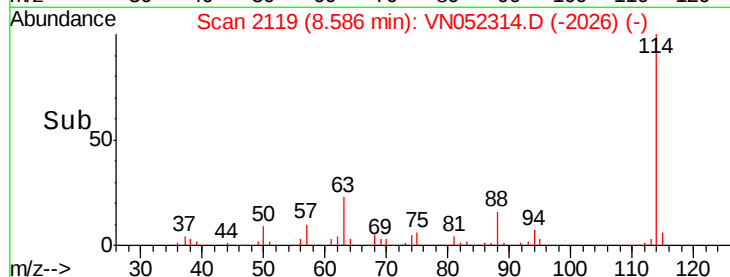
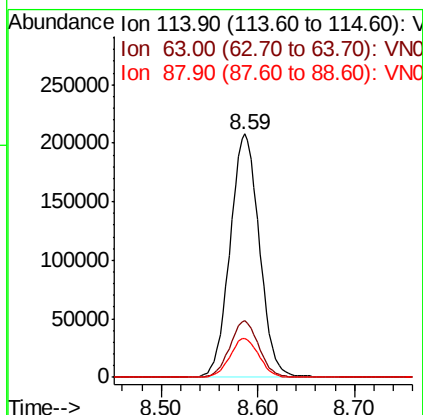
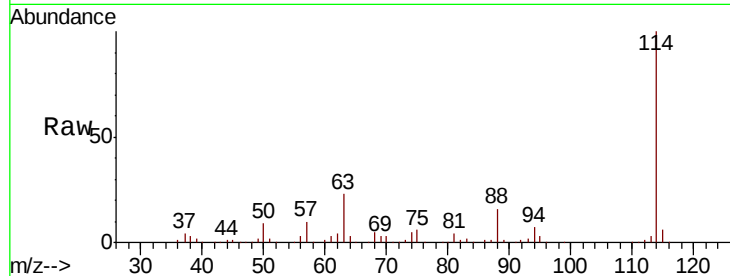
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
114	100	436990		
63	23.2		0.0	45.4
88	16.1		0.0	31.2

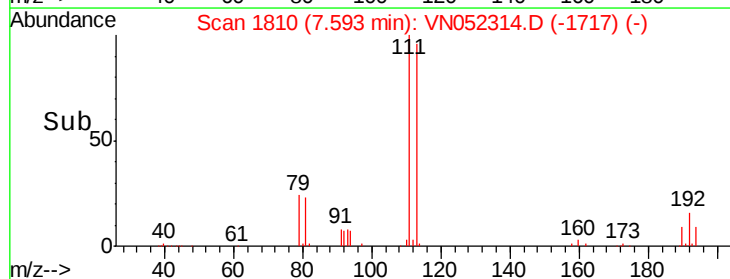
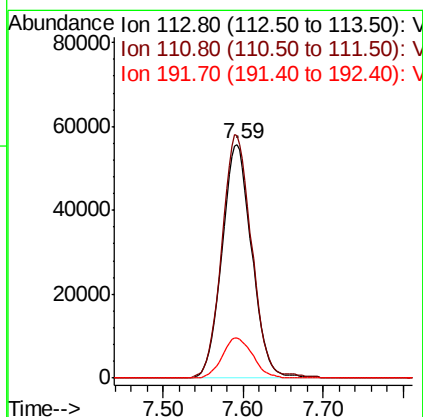
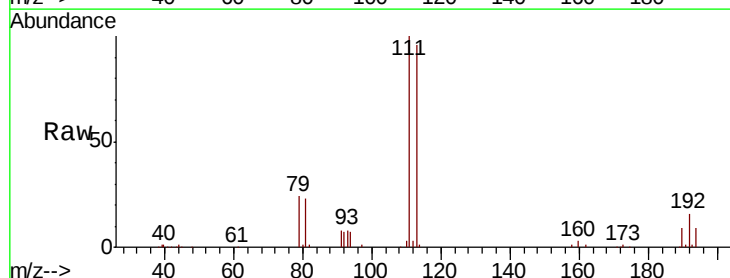
Manual Integrations
APPROVED

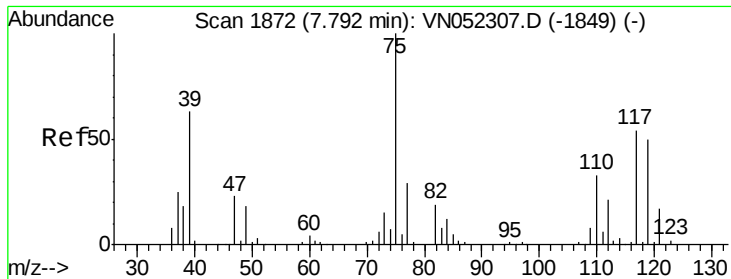
MMDadoda
11/20/2018 2:53:55 PM



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	142115		
111	103.4		81.0	121.6
192	17.5		13.8	20.6





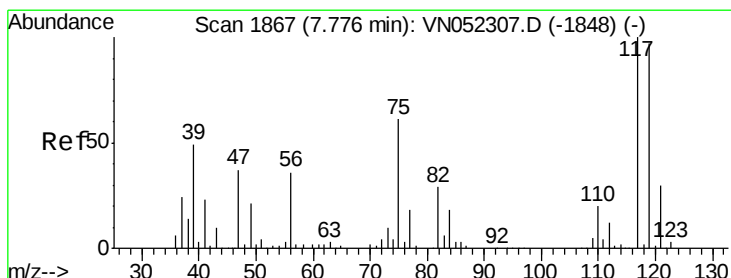
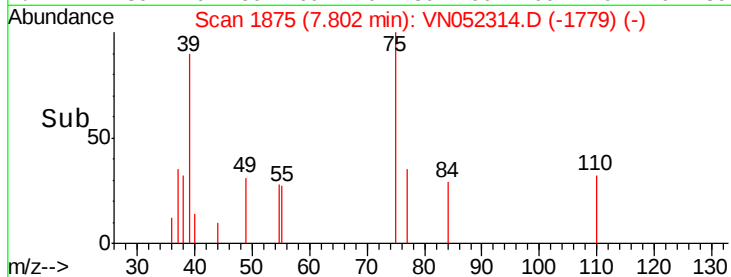
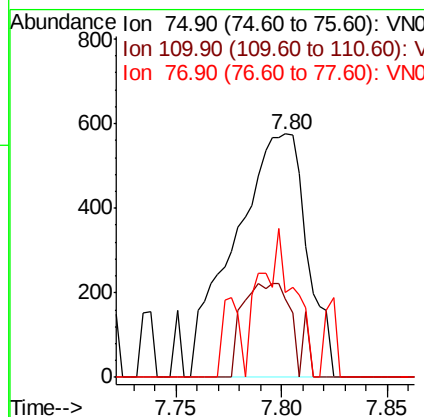
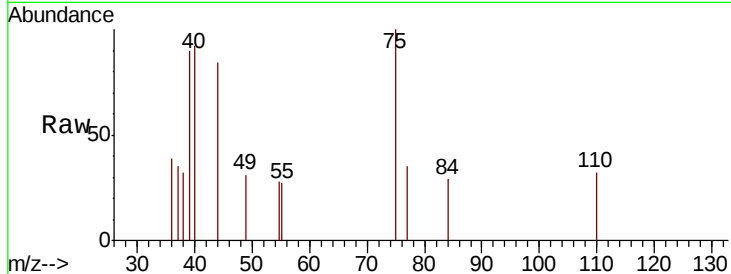
#36
 1,1-Dichloropropene
 Concen: 0.314 ug/l
 RT: 7.80 min Scan# 1875
 Delta R.T. 0.01 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
75	100		
110	26.9	16.5	49.5
77	28.5	24.2	36.2

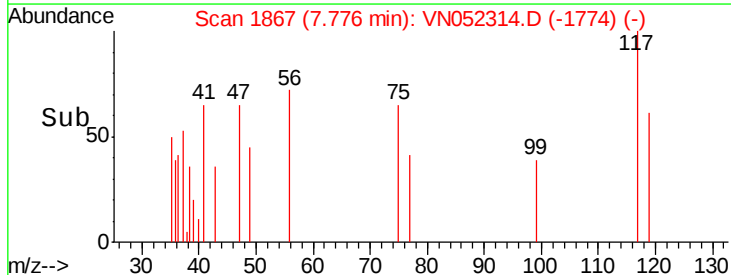
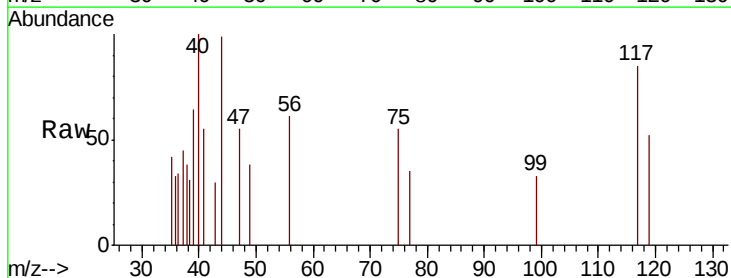
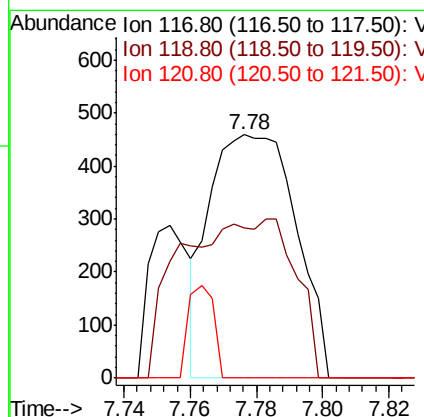
Manual Integrations
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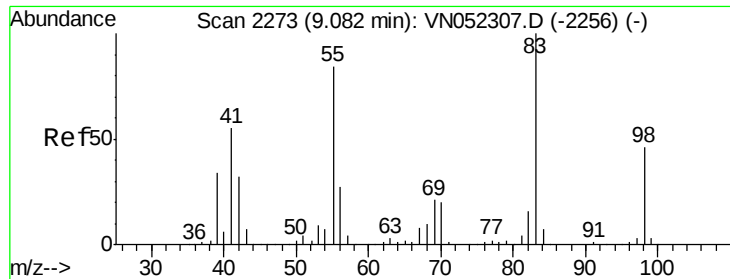
MMDadoda
 11/20/2018 2:53:55 PM



#38
 Carbon Tetrachloride
 Concen: 0.206 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	61.4	77.4	116.0#
121	0.0	24.0	36.0#





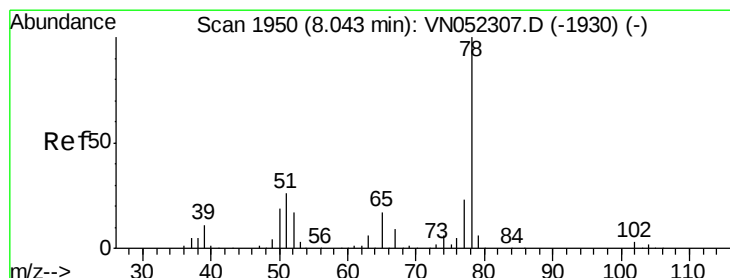
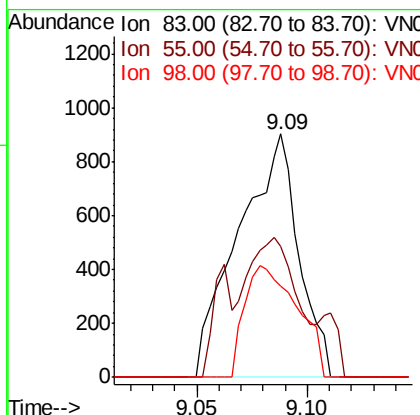
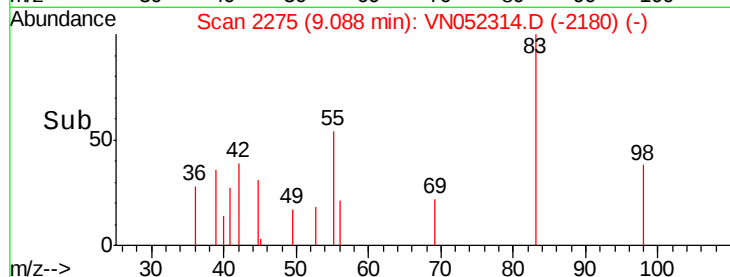
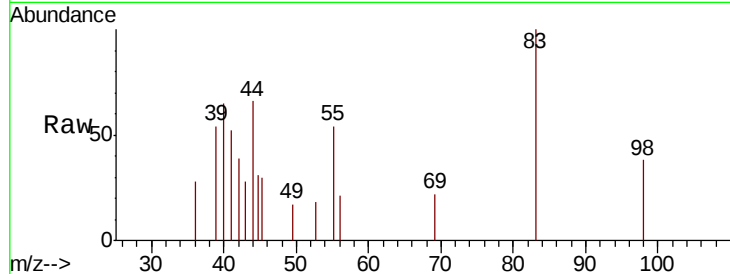
#39
Methvlcvclohexane
Concen: 0.342 ug/l
RT: 9.09 min Scan# 2275
Delta R.T. 0.01 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 83 Resp: 1710
Ion Ratio Lower Upper
83 100
55 53.6 66.8 100.2#
98 37.7 36.4 54.6

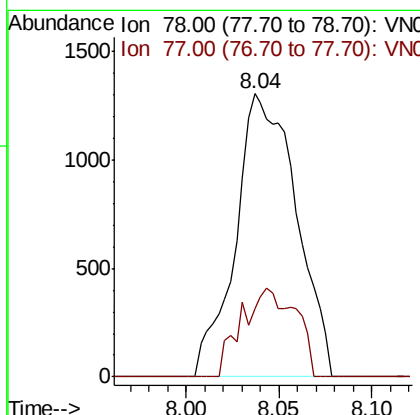
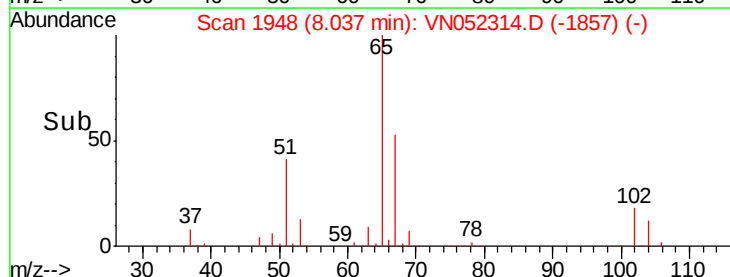
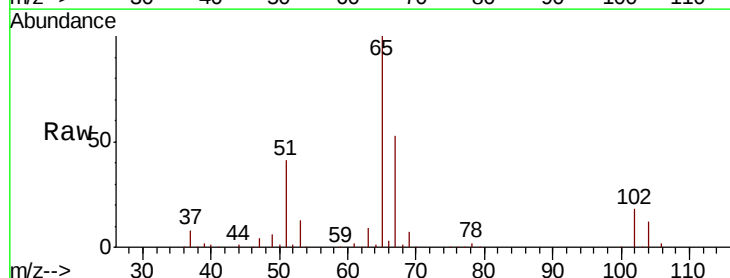
Manual Integrations
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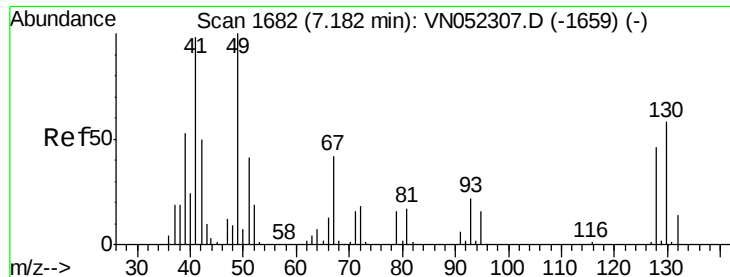
MMDadoda
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#40
Benzene
Concen: 0.238 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.01 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 78 Resp: 2980
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1





#41

Methacrylonitrile

Concen: 3.973 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

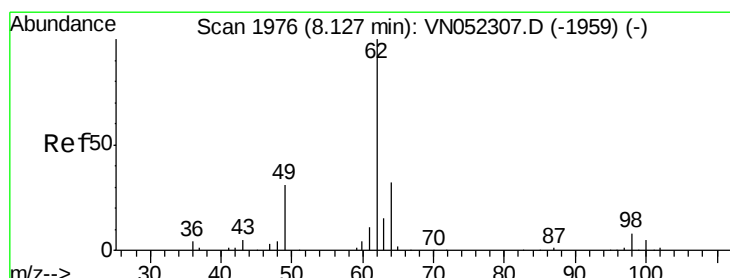
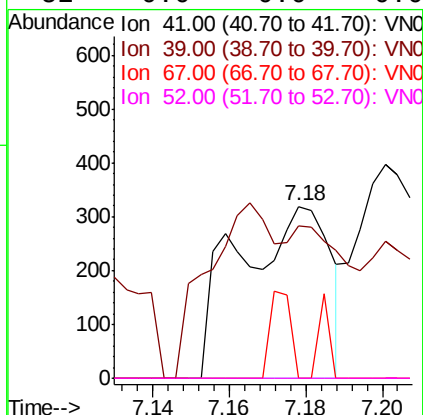
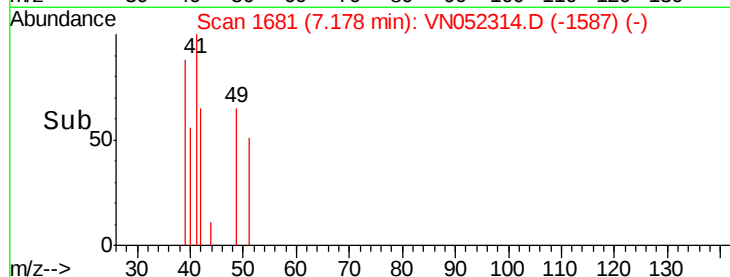
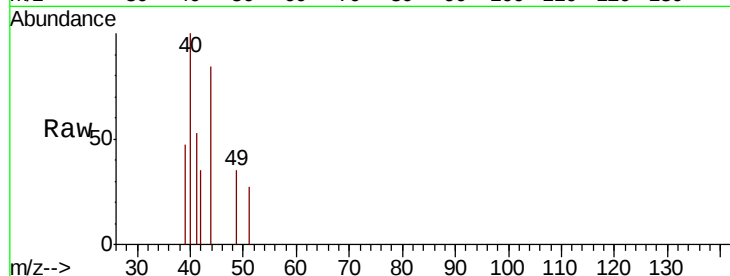
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	5.7	0.0	0.0#
52	0.0	0.0	0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 0.284 ug/l

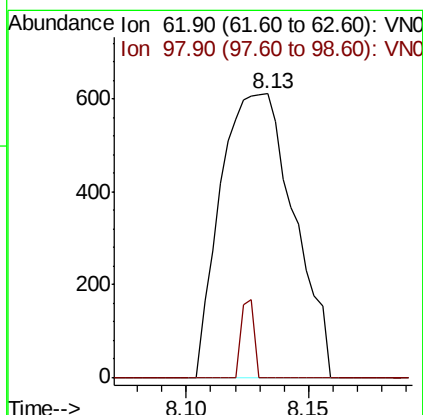
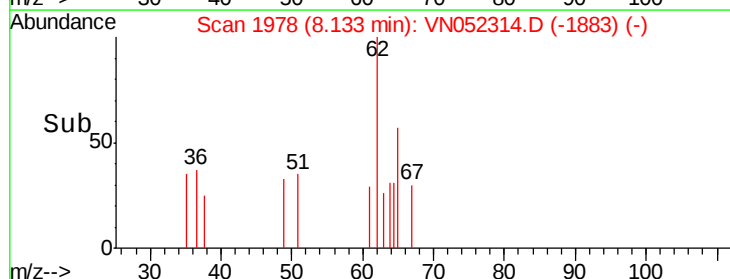
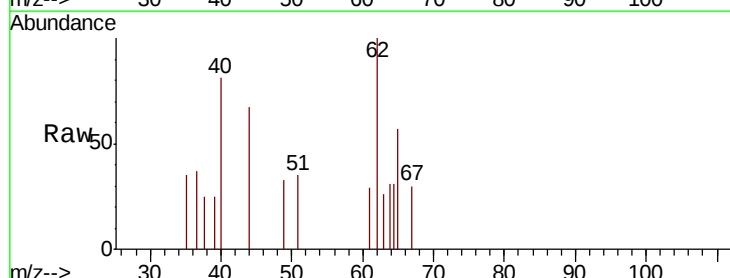
RT: 8.13 min Scan# 1978

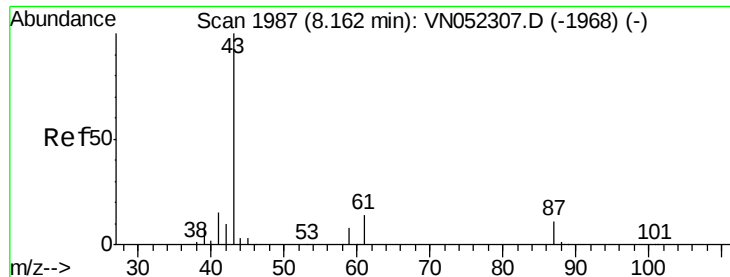
Delta R.T. 0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 0.770 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

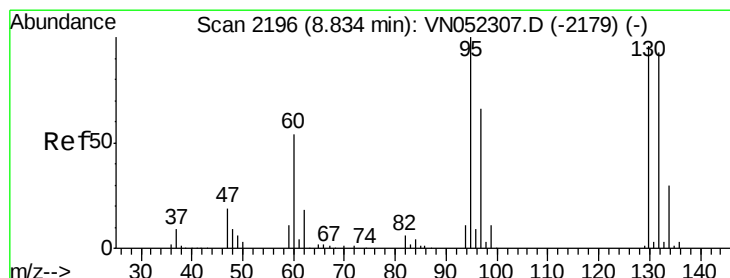
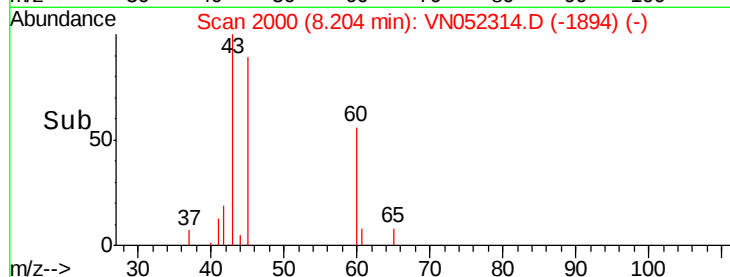
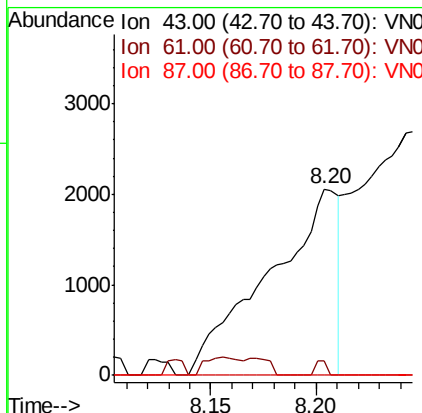
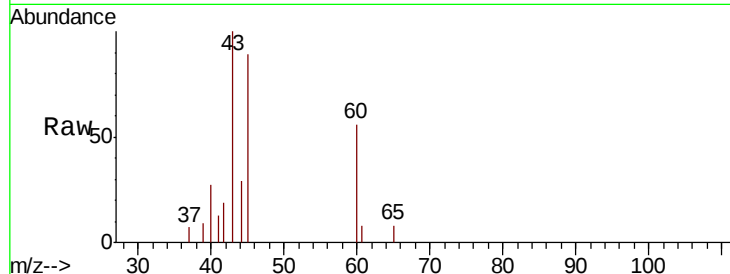
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	43	Resp:	4725
Ion	Ratio	Lower	Upper
43	100		
61	1.3	12.0	18.0#
87	0.0	8.3	12.5#

Manual Integrations
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#44

Trichloroethene

Concen: 0.289 ug/l

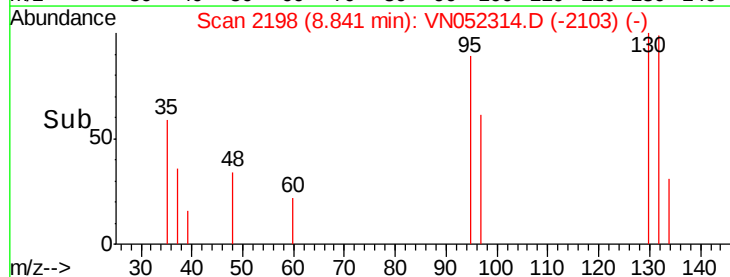
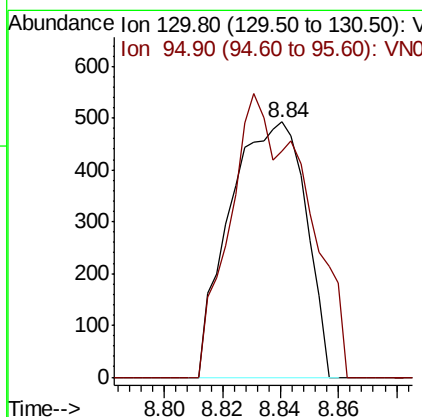
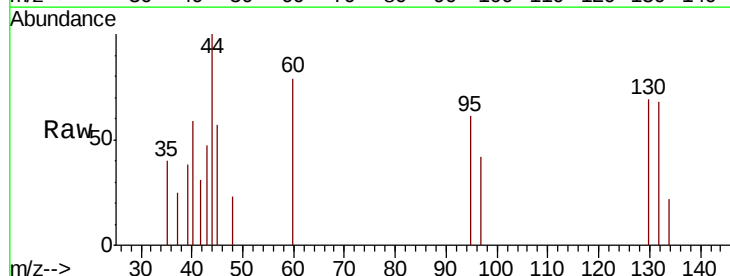
RT: 8.84 min Scan# 2198

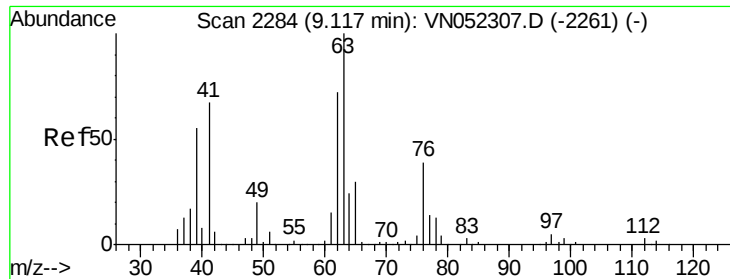
Delta R.T. 0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	130	Resp:	892
Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	208.4





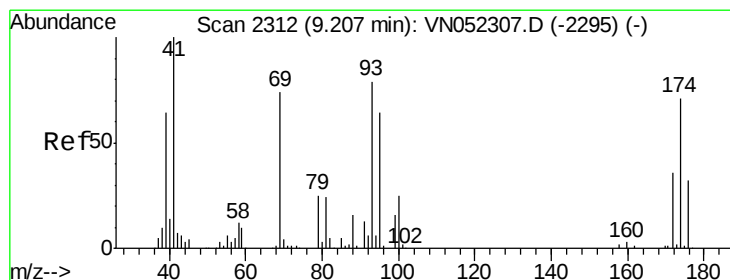
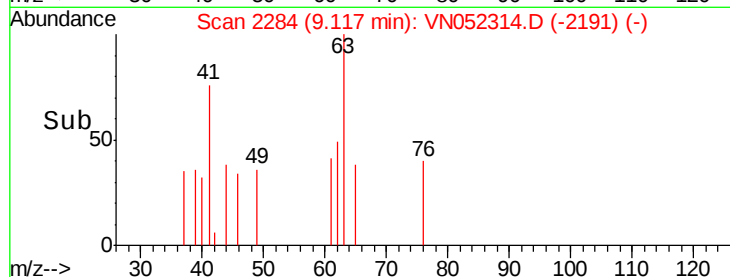
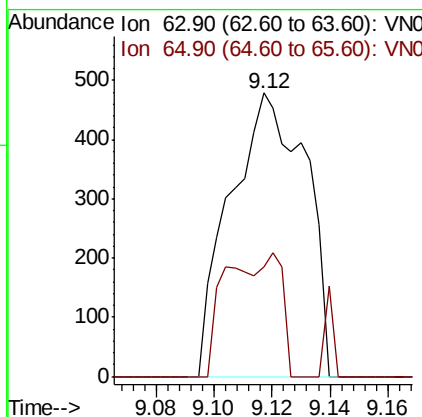
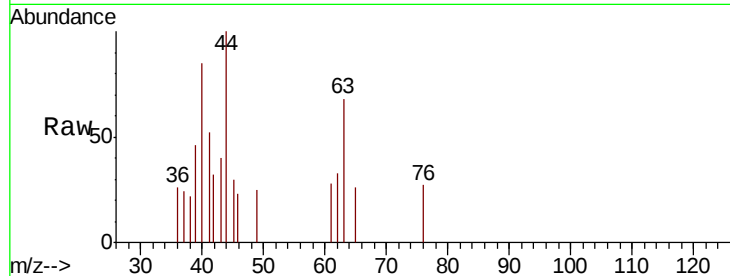
#45
 1,2-Dichloropropane
 Concen: 0.243 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion: 63 Resp: 864
 Ion Ratio Lower Upper
 63 100
 65 38.5 24.2 36.4#

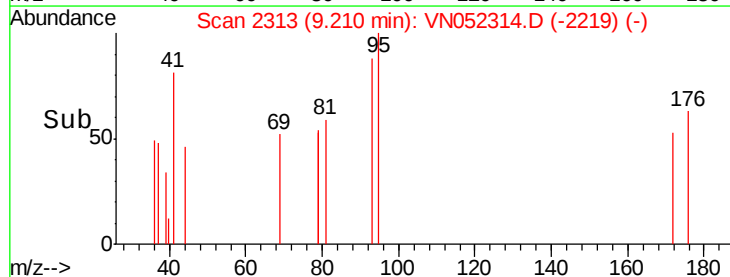
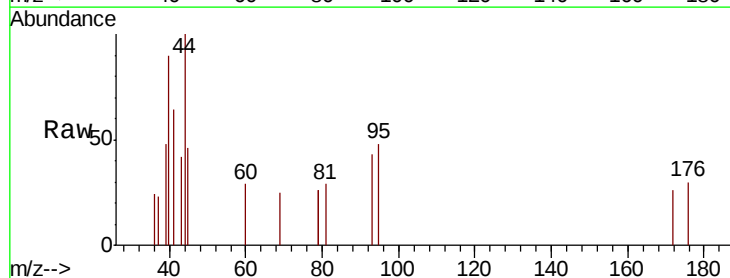
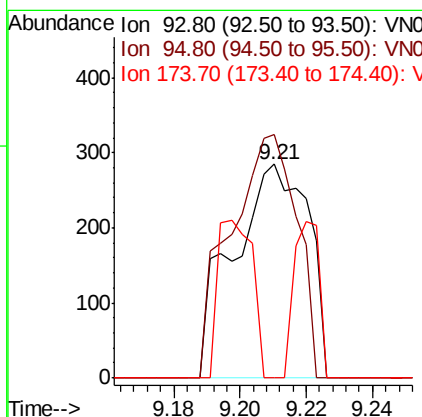
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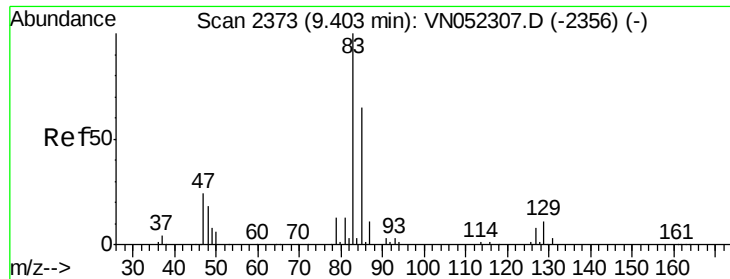
MMDadoda
 11/20/2018 2:53:55 PM



#46
 Dibromomethane
 Concen: 0.219 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion: 93 Resp: 451
 Ion Ratio Lower Upper
 93 100
 95 100.2 64.2 96.2#
 174 25.1 70.9 106.3#





#47

Bromodichloromethane

Concen: 0.270 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

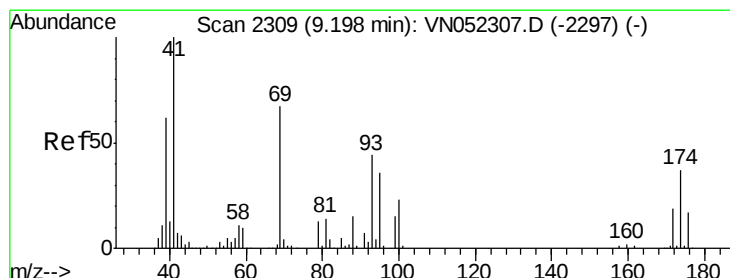
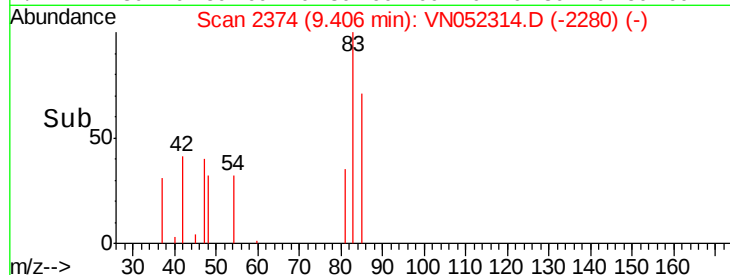
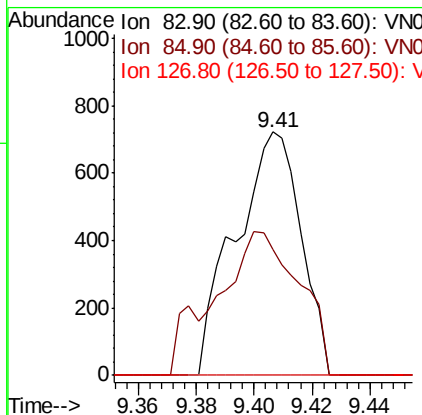
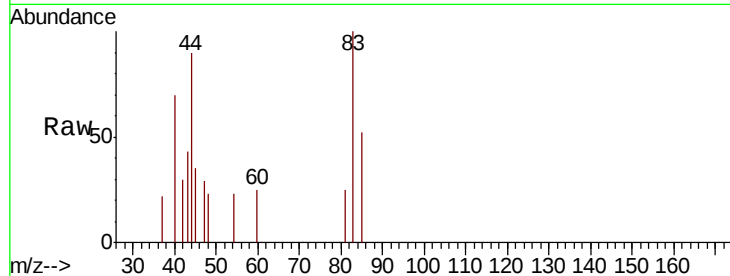
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	83	Resp:	1137
Ion Ratio	Lower	Upper	
83	100		
85	51.6	52.2	78.4#
127	0.0	6.7	10.1#

Manual Integrations
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11/20/2018 2:53:55 PM



#48

Methyl methacrylate

Concen: 0.366 ug/l

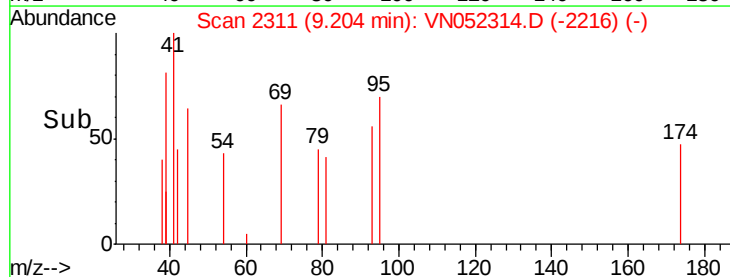
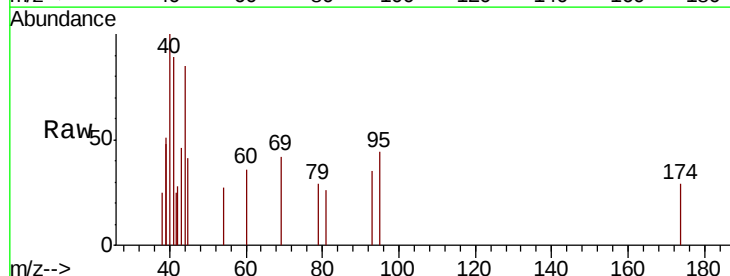
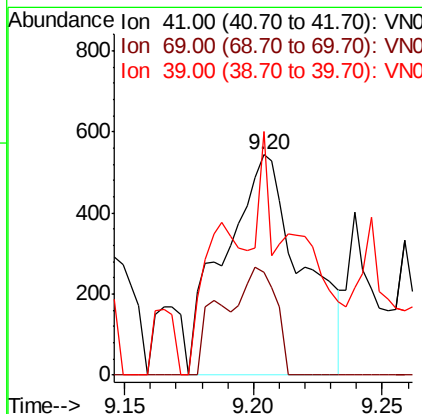
RT: 9.20 min Scan# 2311

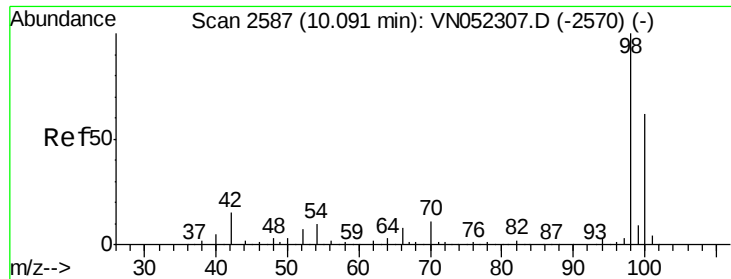
Delta R.T. 0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	41	Resp:	1138
Ion Ratio	Lower	Upper	
41	100		
69	22.1	57.1	85.7#
39	7.2	52.5	78.7#





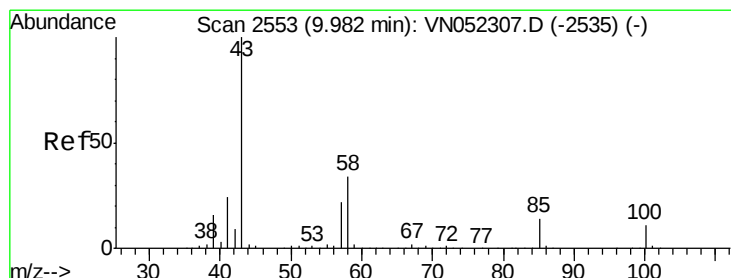
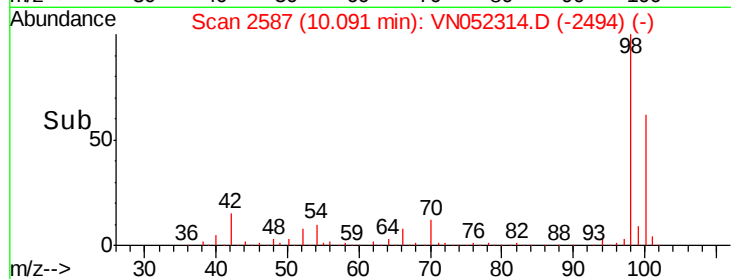
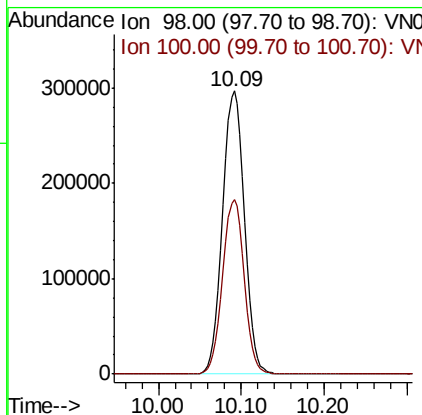
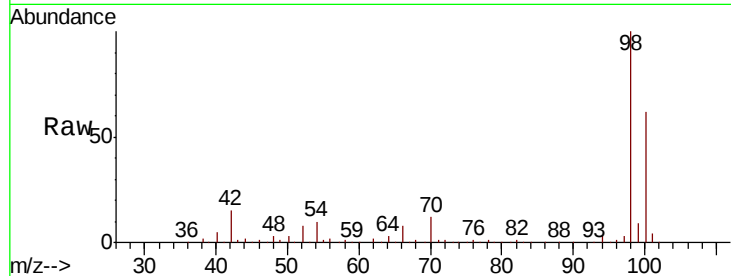
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 98 Resp: 543074
Ion Ratio Lower Upper
98 100
100 61.1 49.5 74.3

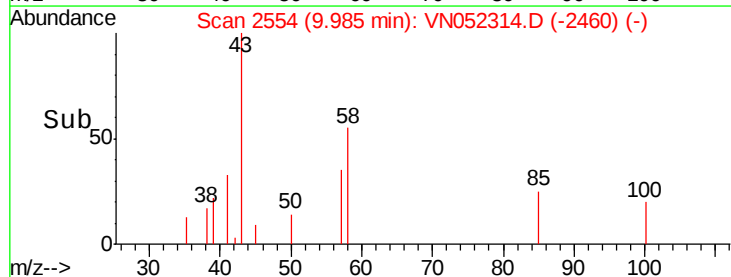
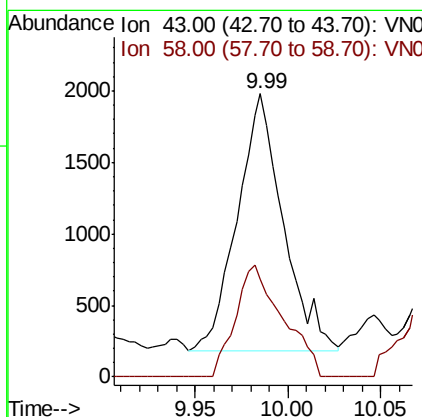
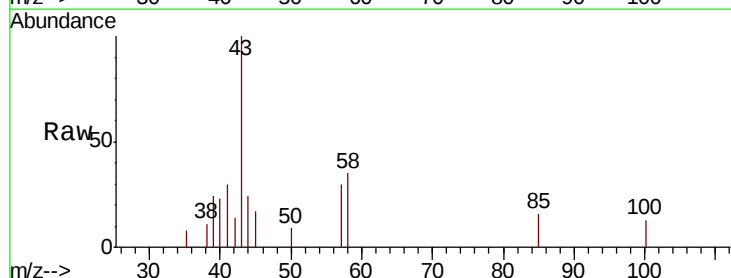
Manual Integrations
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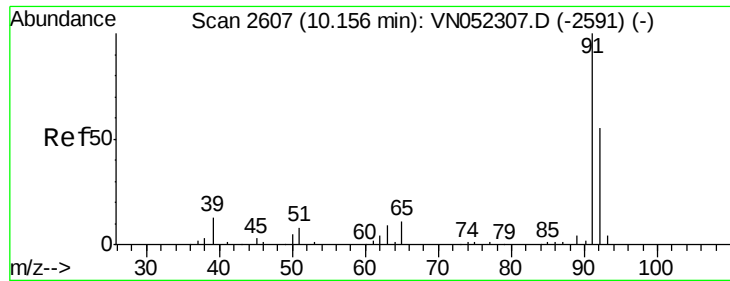
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 0.996 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 43 Resp: 3075
Ion Ratio Lower Upper
43 100
58 45.1 27.0 40.6#





#52

Toluene

Concen: 0.251 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 92 Resp: 1879

Ion Ratio Lower Upper

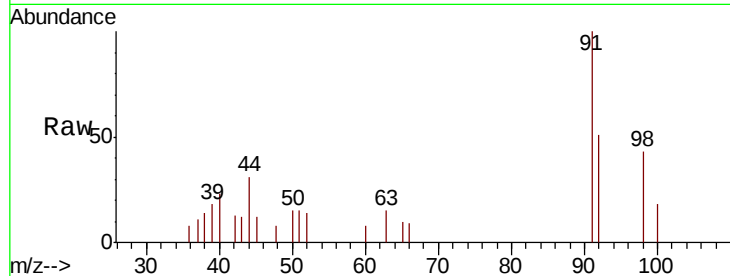
92 100

91 188.6 143.6 215.4

Manual Integrations
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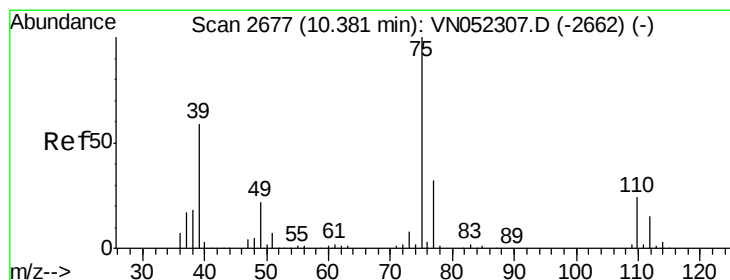
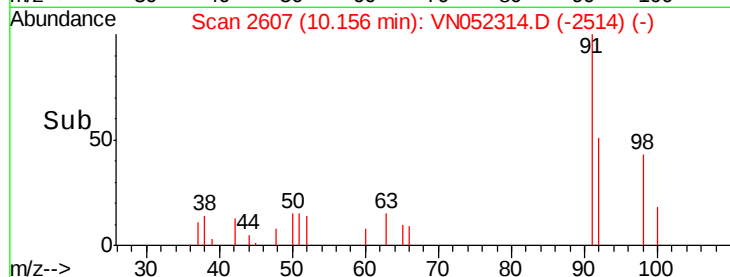
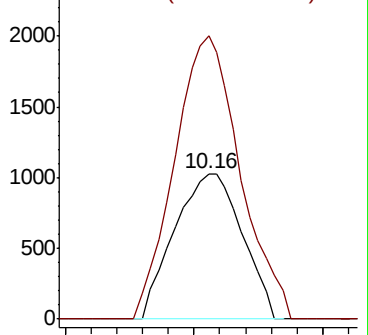
MMDadoda

11/20/2018 2:53:55 PM



Abundance Ion 92.00 (91.70 to 92.70): VN052314.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052314.D (-2514) (-)



#53

t-1,3-Dichloropropene

Concen: 0.249 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN052314.D

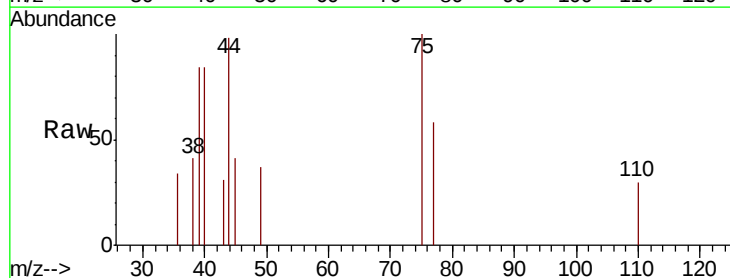
Acq: 14 Nov 2018 15:49

Tgt Ion: 75 Resp: 1059

Ion Ratio Lower Upper

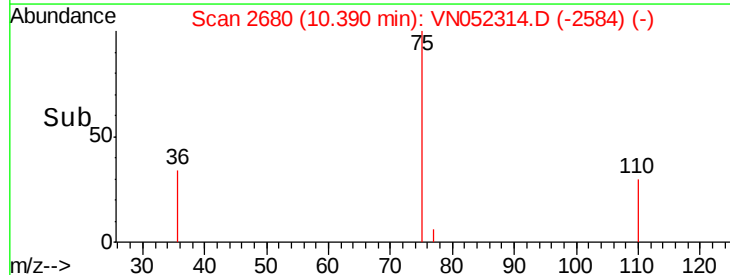
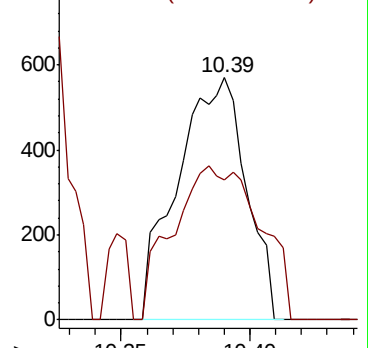
75 100

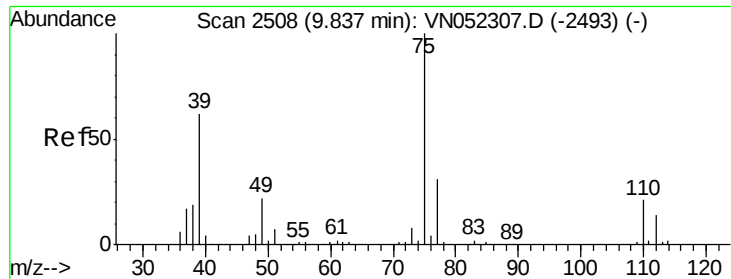
77 57.5 25.7 38.5#



Abundance Ion 74.90 (74.60 to 75.60): VN052314.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN052314.D (-2584) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.239 ug/l

RT: 9.84 min Scan# 2510

Delta R.T. 0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

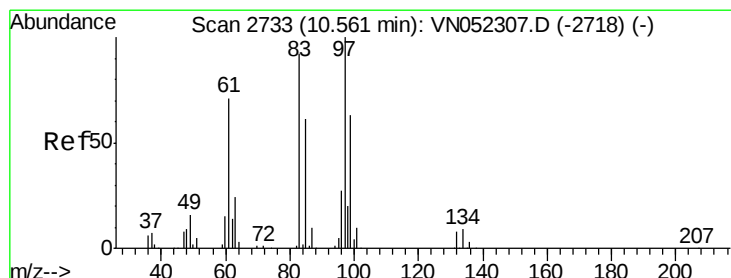
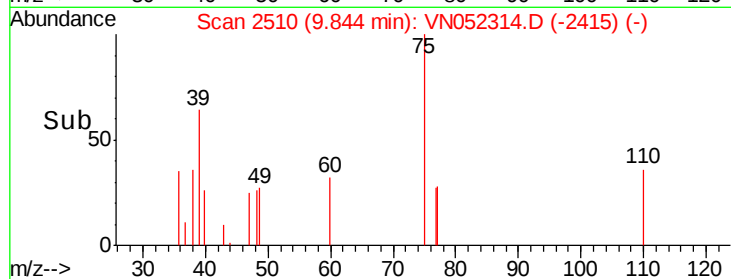
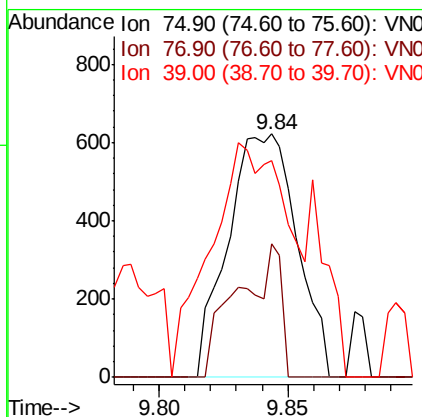
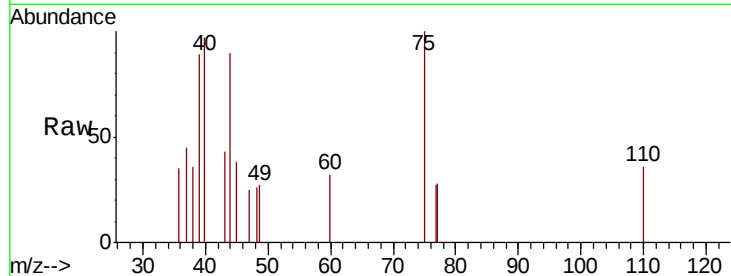
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	75	Resp:	1160
Ion	Ratio	Lower	Upper
75	100		
77	55.0	24.6	36.8#
39	56.6	49.9	74.9

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#55

1,1,2-Trichloroethane

Concen: 0.259 ug/l

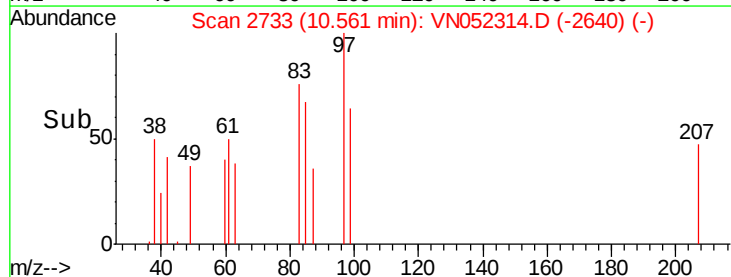
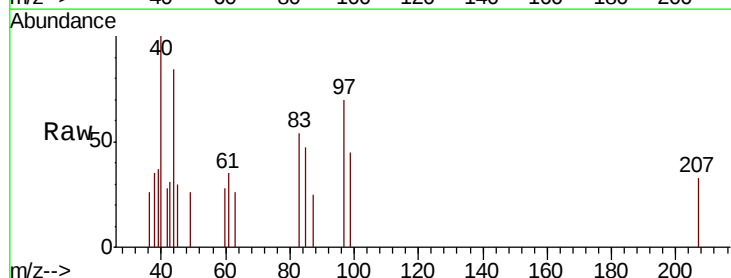
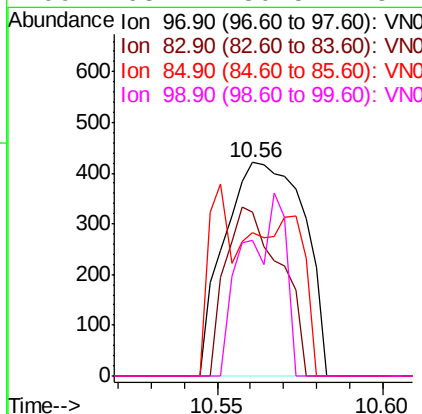
RT: 10.56 min Scan# 2733

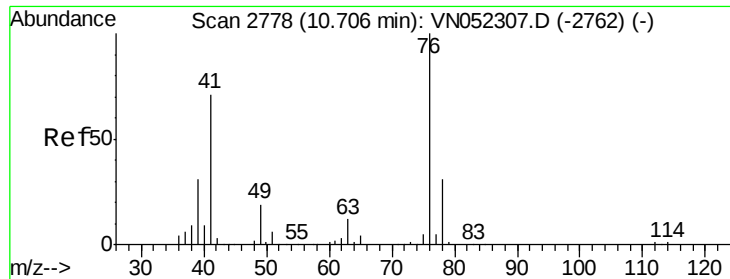
Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	97	Resp:	704
Ion	Ratio	Lower	Upper
97	100		
83	76.5	73.8	110.6
85	67.0	49.0	73.4
99	63.7	50.5	75.7





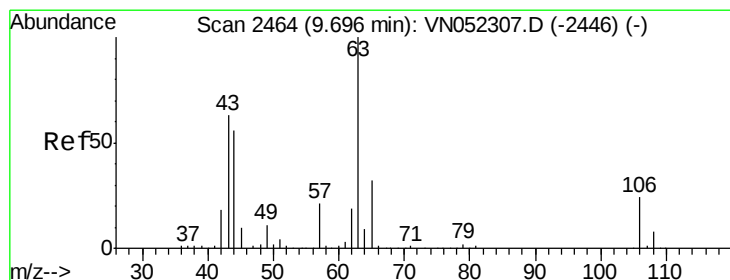
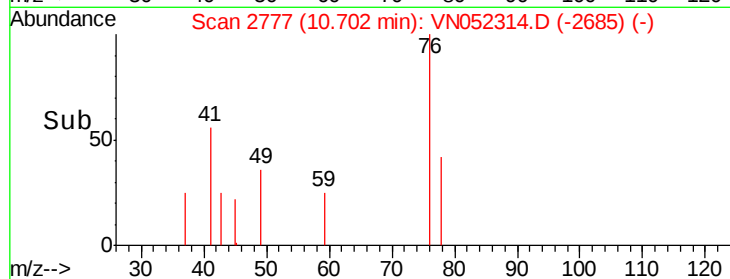
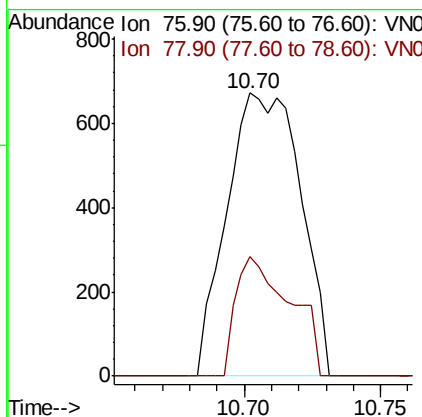
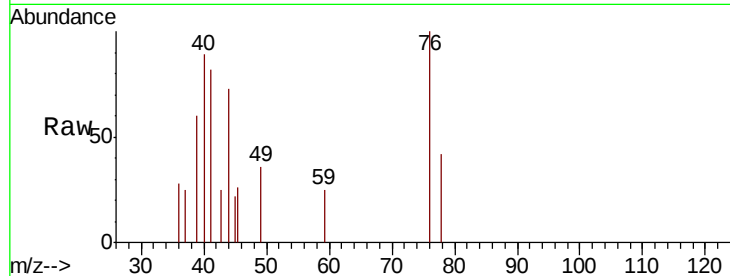
#57
 1,3-Dichloropropane
 Concen: 0.263 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion: 76 Resp: 1262
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.7 38.5

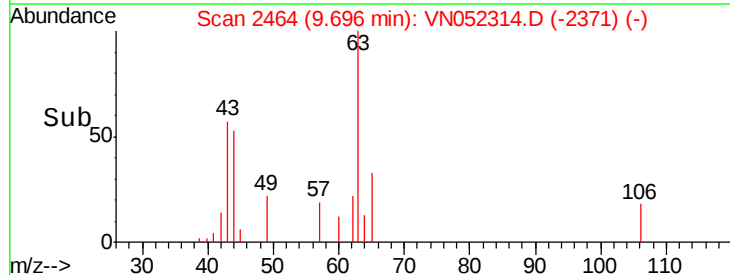
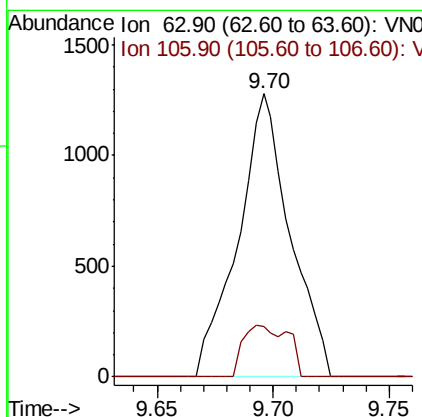
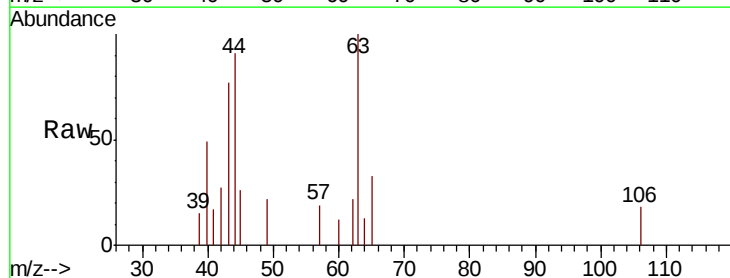
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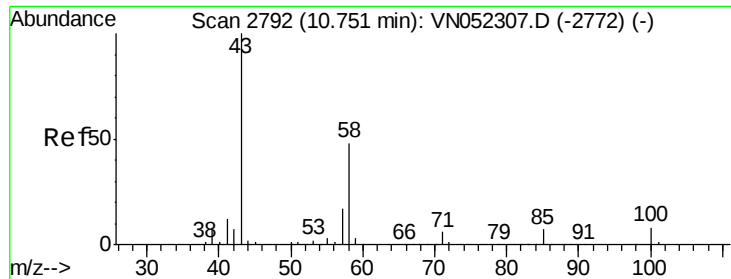
MMDadoda
 11/20/2018 2:53:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.982 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion: 63 Resp: 1996
 Ion Ratio Lower Upper
 63 100
 106 15.5 19.3 28.9#





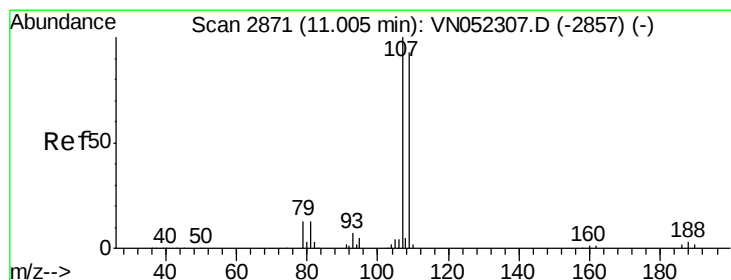
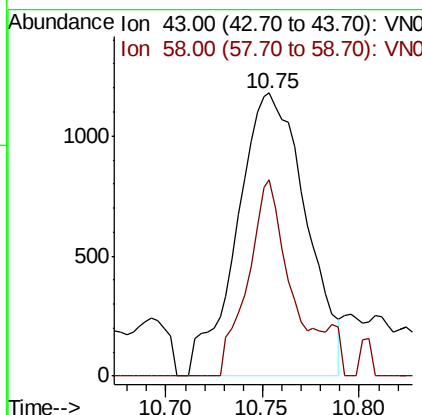
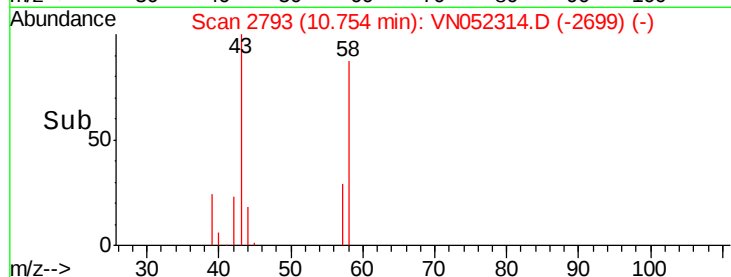
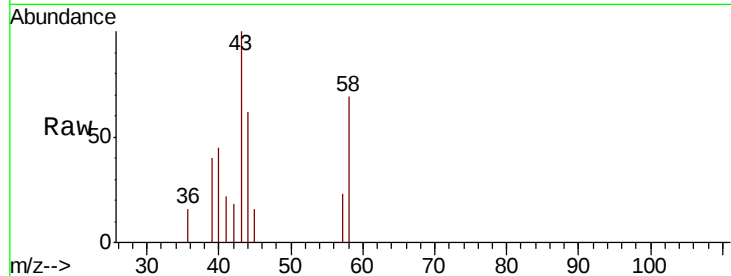
#59
2-Hexanone
Concen: 1.376 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 43 Resp: 2923
Ion Ratio Lower Upper
43 100
58 43.4 23.5 70.6

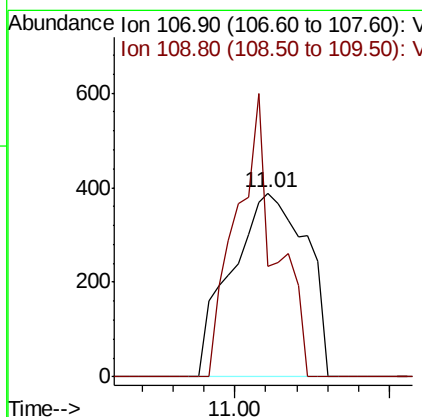
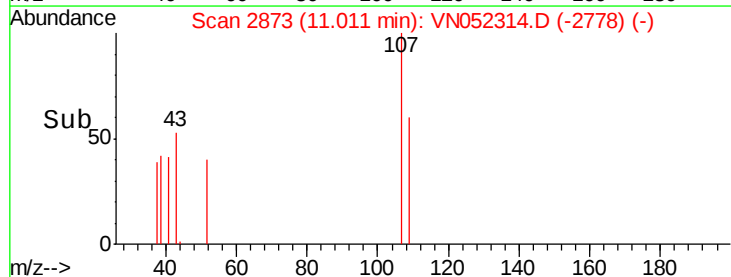
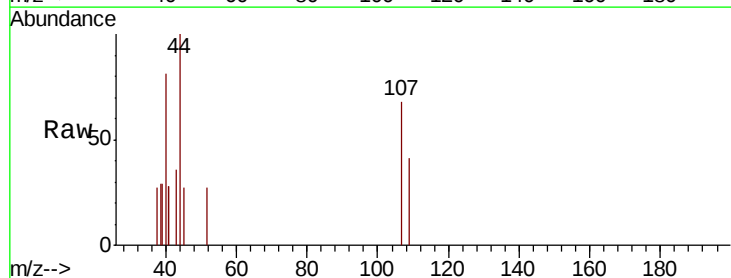
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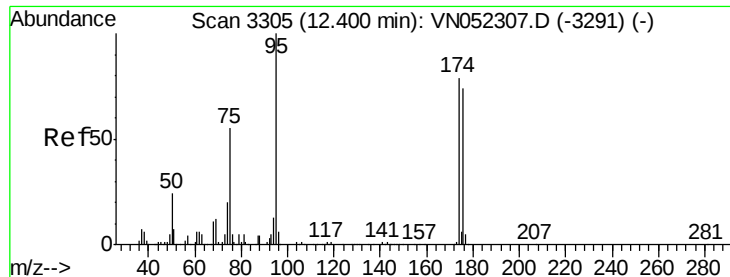
MMDadoda
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#61
1,2-Dibromoethane
Concen: 0.243 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.01 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 107 Resp: 656
Ion Ratio Lower Upper
107 100
109 81.1 74.9 112.3





#62

4-Bromofluorobenzene

Concen: 0.243 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

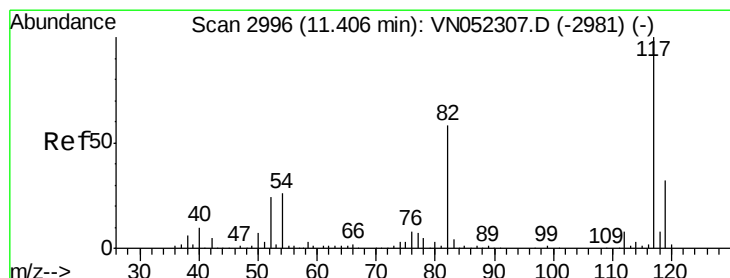
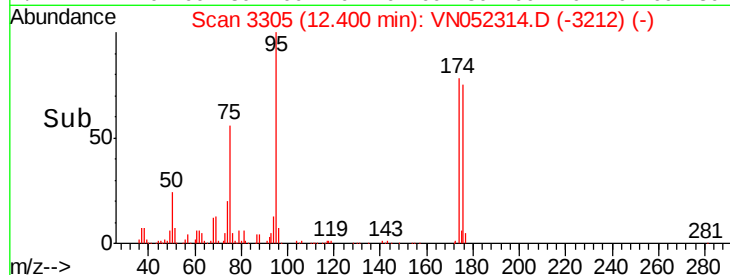
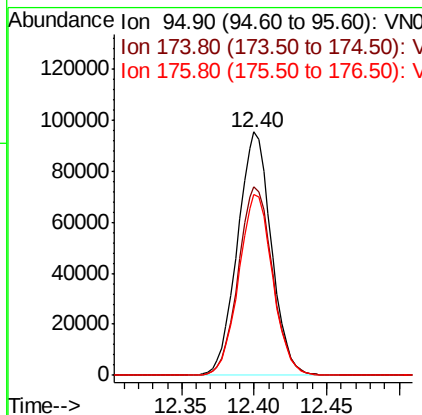
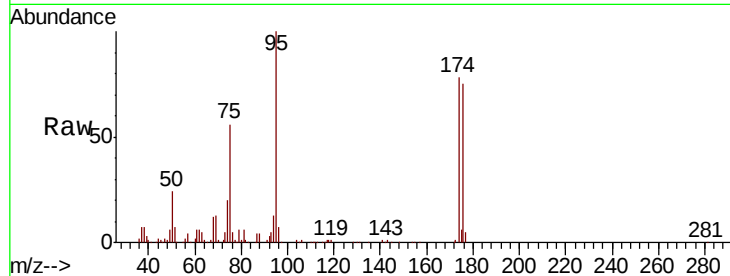
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	95	Resp:	154755
Ion Ratio	Lower	Upper	
95	100		
174	78.4	0.0	156.0
176	74.4	0.0	148.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

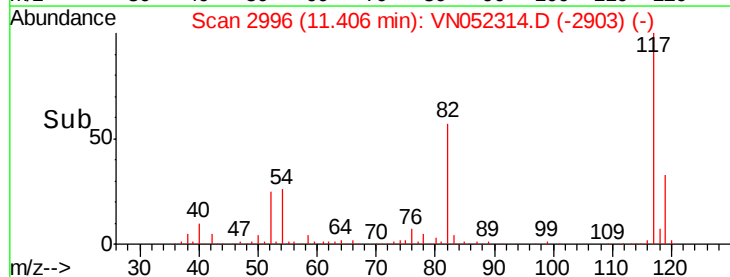
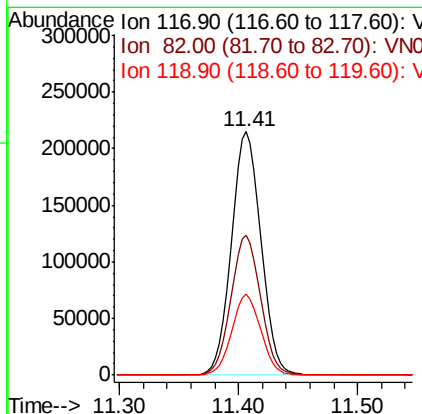
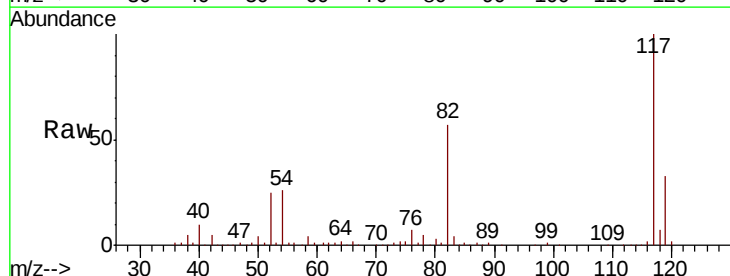
RT: 11.41 min Scan# 2996

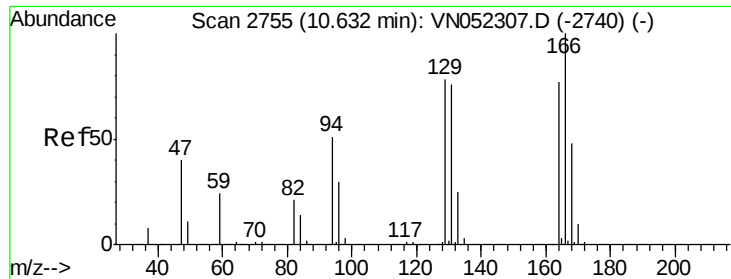
Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	117	Resp:	370155
Ion Ratio	Lower	Upper	
117	100		
82	57.5	46.5	69.7
119	33.1	25.7	38.5





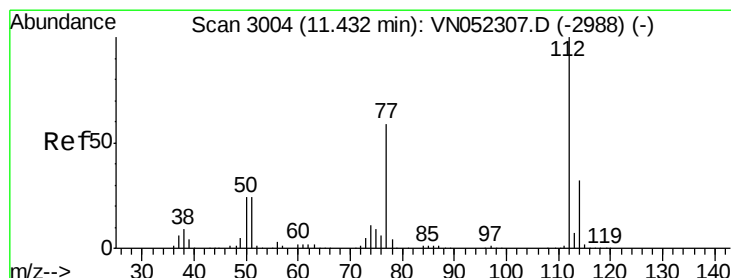
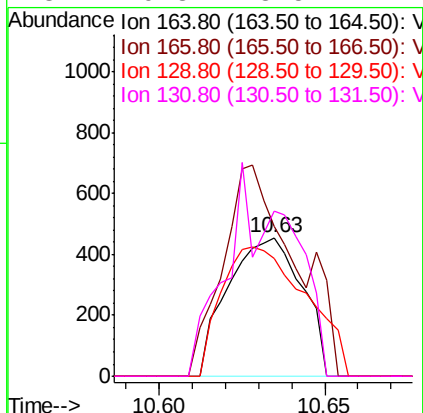
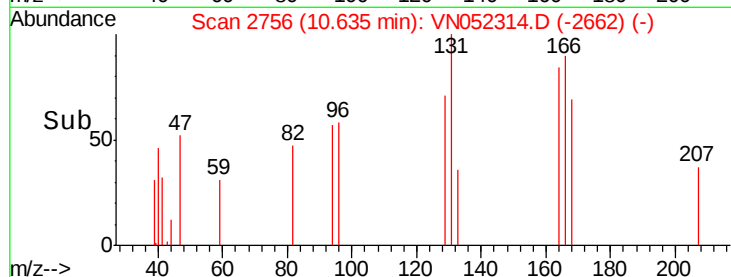
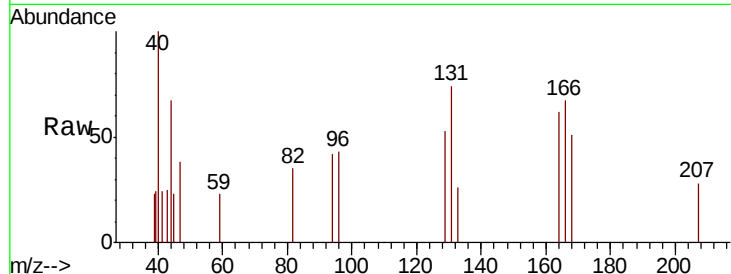
#64
Tetrachloroethene
Concen: 0.269 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	107.9	103.8	155.6
129	84.4	80.7	121.1
131	119.3	78.5	117.7#

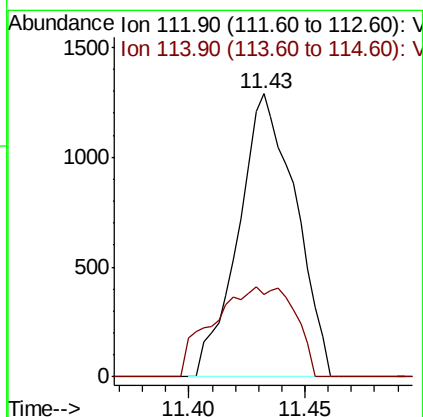
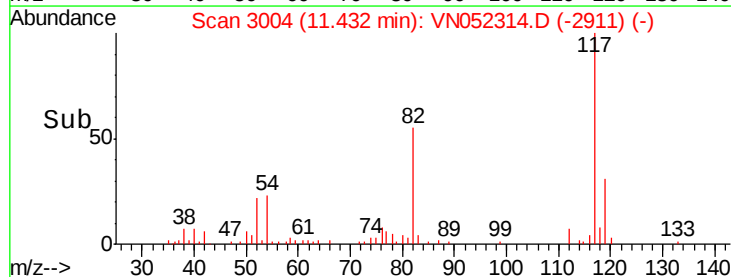
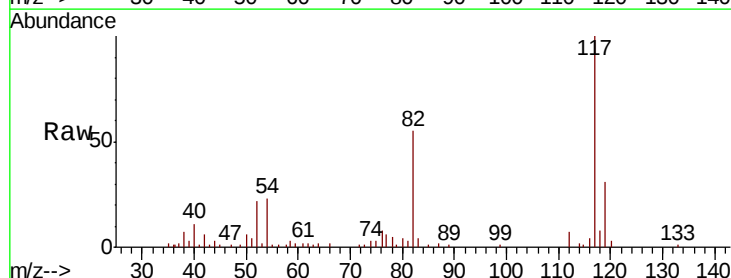
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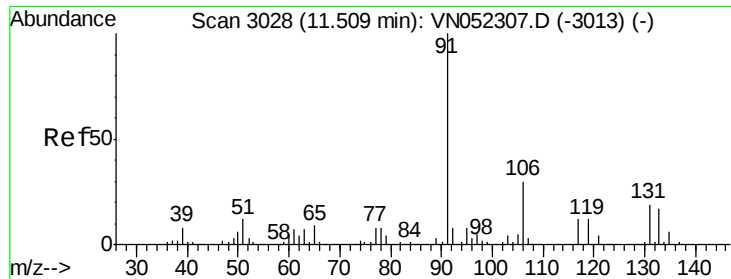
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#65
Chlorobenzene
Concen: 0.283 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.9	38.9





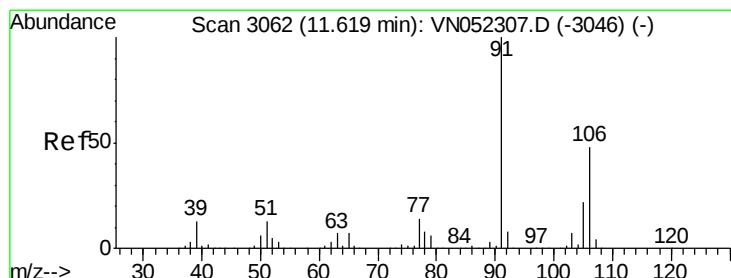
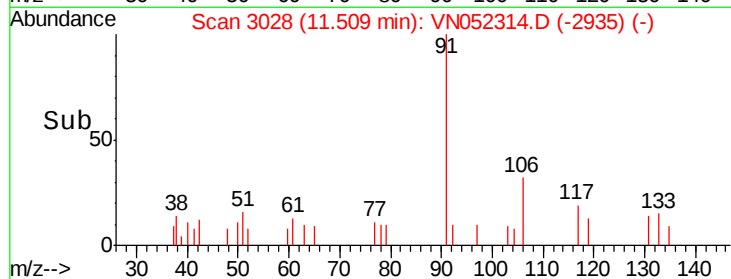
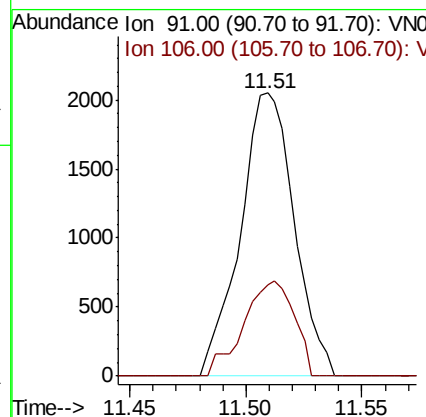
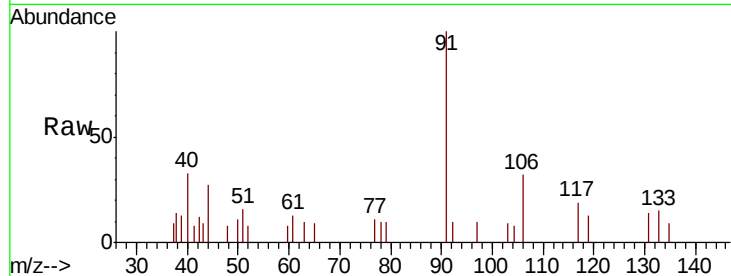
#67
Ethyl Benzene
Concen: 0.244 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 91 Resp: 3320
Ion Ratio Lower Upper
91 100
106 32.5 24.2 36.2

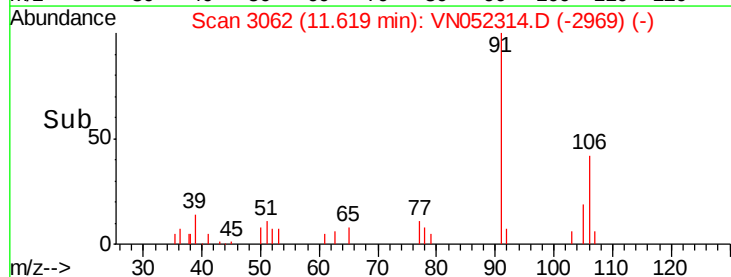
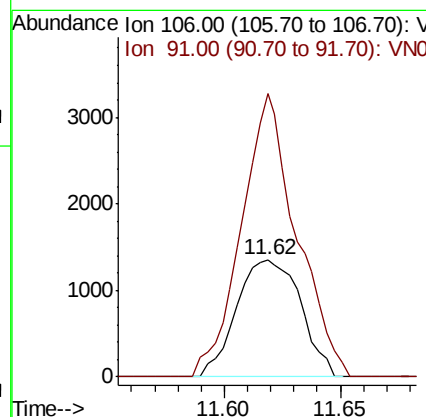
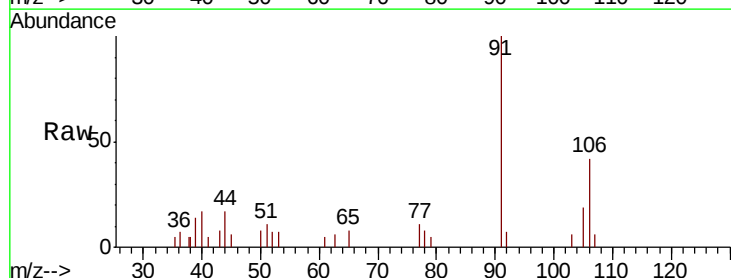
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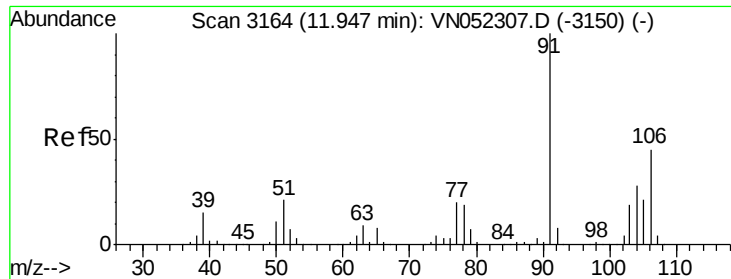
MMDadoda
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#68
m/p-Xylenes
Concen: 0.522 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion: 106 Resp: 2589
Ion Ratio Lower Upper
106 100
91 209.0 165.5 248.3





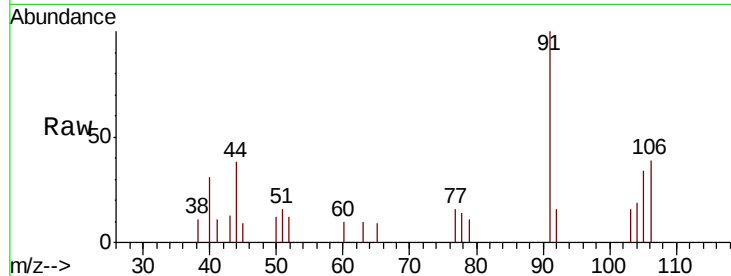
#69
o-Xylene
Concen: 0.233 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

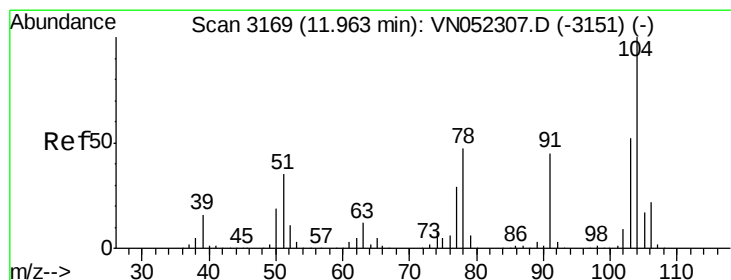
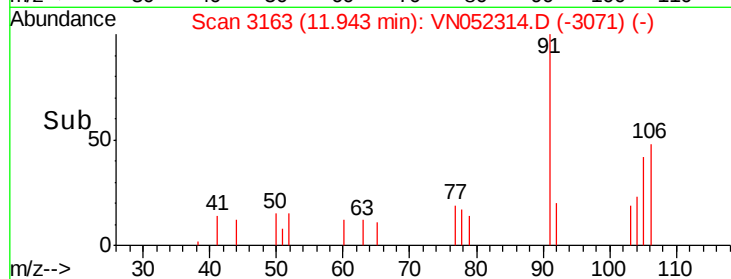
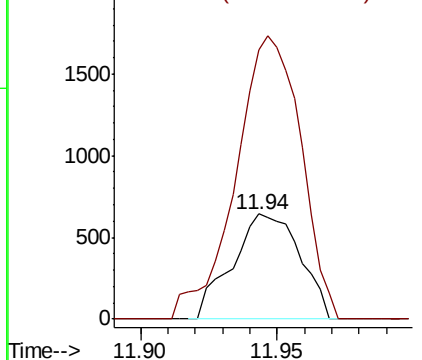
Tot Ion:106 Resp: 1106
Ion Ratio Lower Upper
106 100
91 259.9 110.0 330.0

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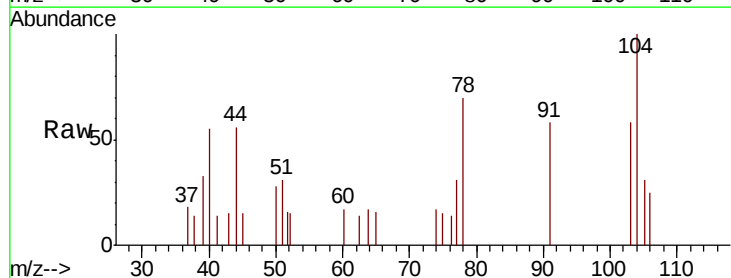


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

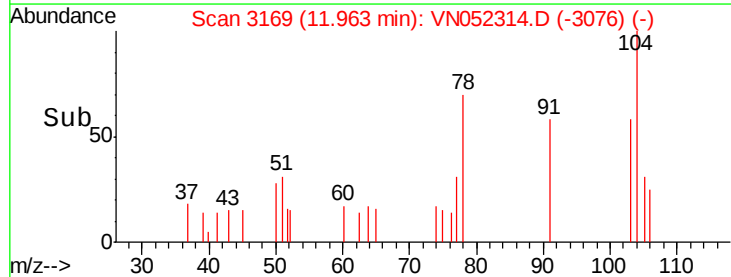
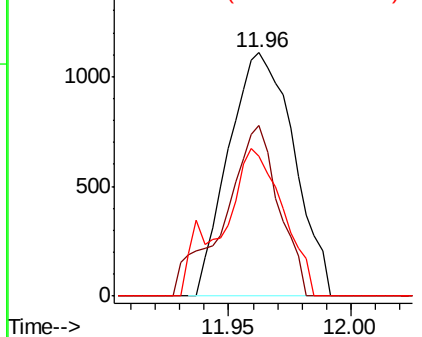


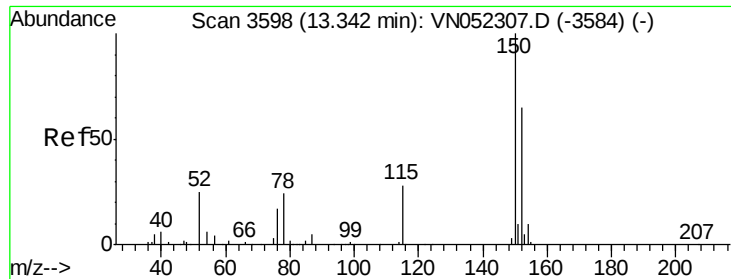
#70
Styrene
Concen: 0.270 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion:104 Resp: 2059
Ion Ratio Lower Upper
104 100
78 58.3 42.7 64.1
103 47.5 45.4 68.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

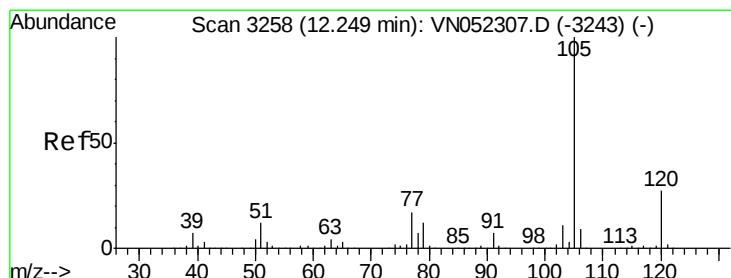
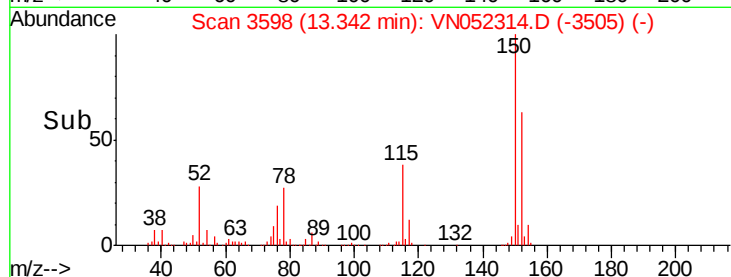
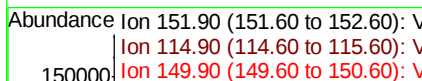
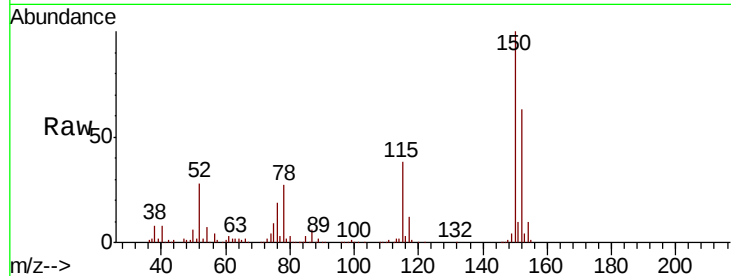
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	152	Resp:	127825
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.3	91.0
150	158.3	0.0	348.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.285 ug/l

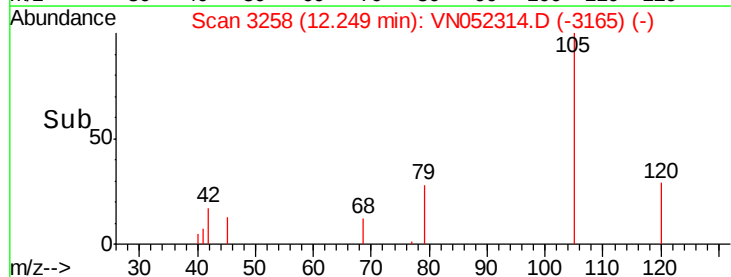
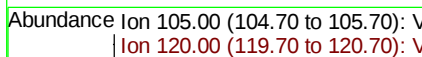
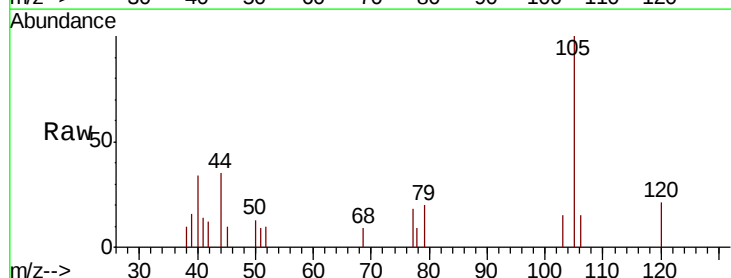
RT: 12.25 min Scan# 3258

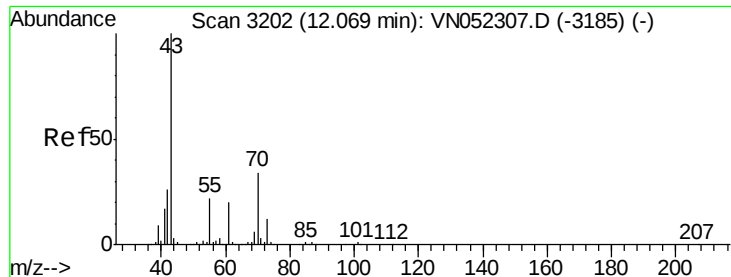
Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	105	Resp:	2925
Ion Ratio	Lower	Upper	
105	100		
120	17.6	13.4	40.1





#74

N-amvl acetate

Concen: 0.413 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

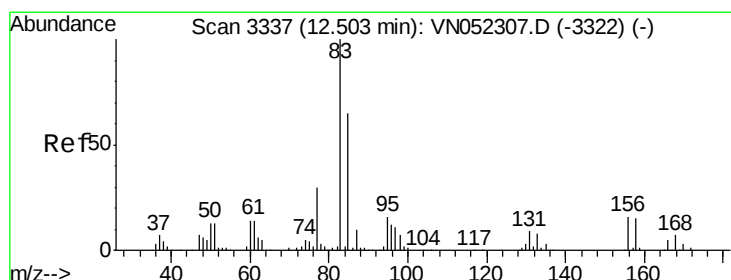
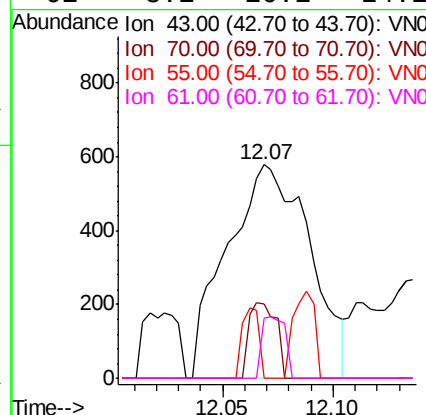
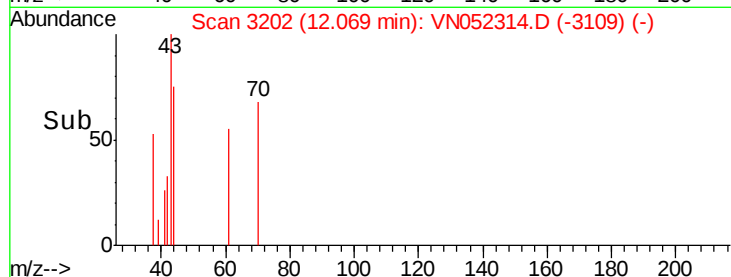
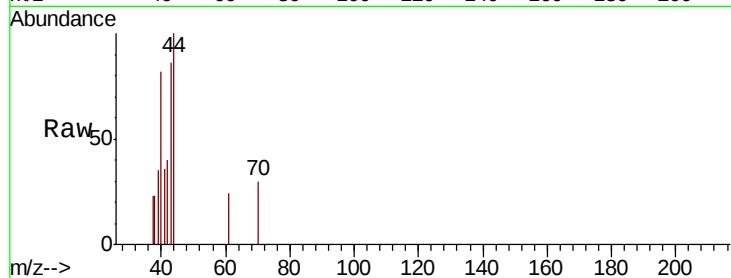
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	43	Resp:	1513
Ion	Ratio	Lower	Upper
43	100		
70	11.6	27.1	40.7#
55	6.7	17.4	26.0#
61	8.1	16.1	24.1#

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.365 ug/l m

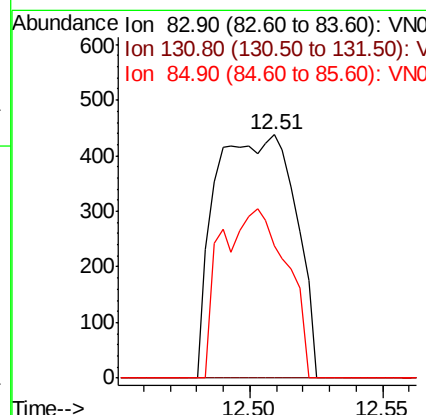
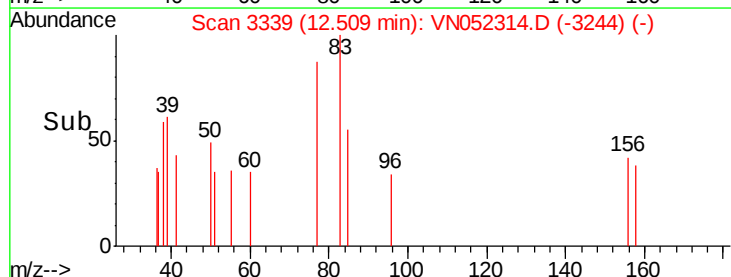
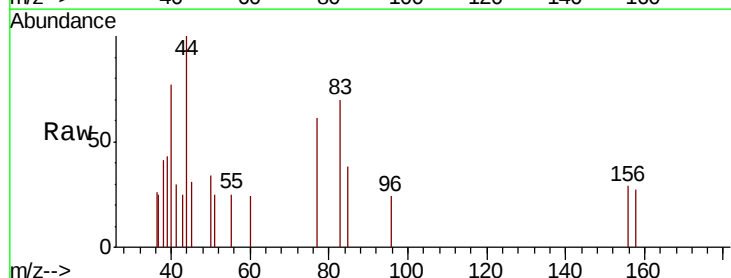
RT: 12.51 min Scan# 3339

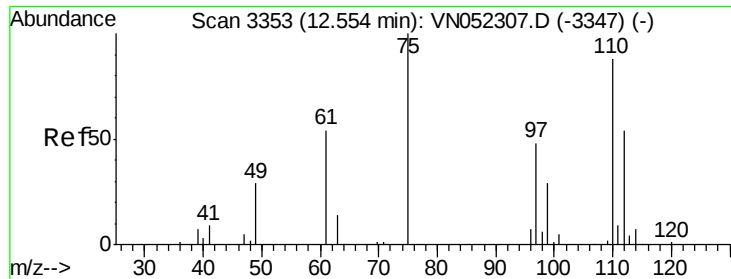
Delta R.T. 0.01 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Tgt Ion:	83	Resp:	908
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.1#
85	15.6	32.4	97.2#





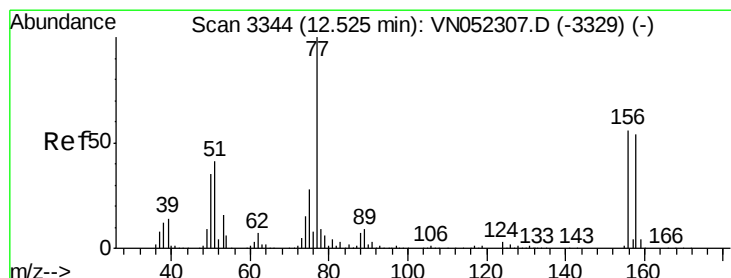
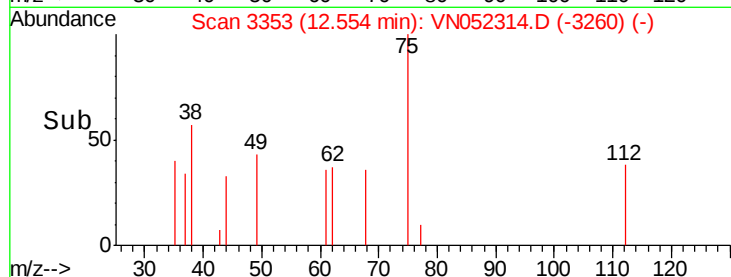
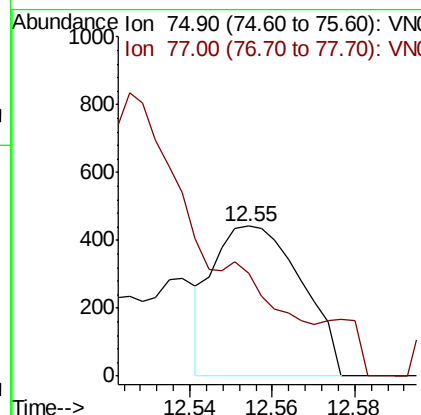
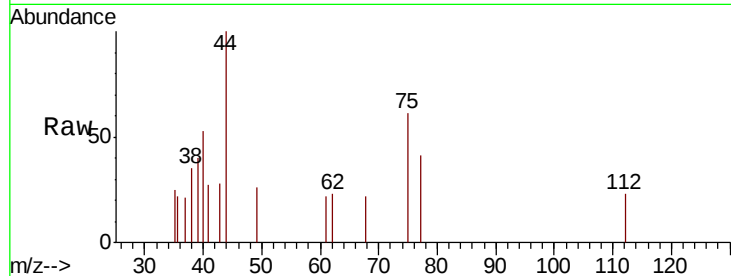
#76
 1,2,3-Trichloropropane
 Concen: 0.302 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion: 75 Resp: 655
 Ion Ratio Lower Upper
 75 100
 77 173.4 0.0 0.0#

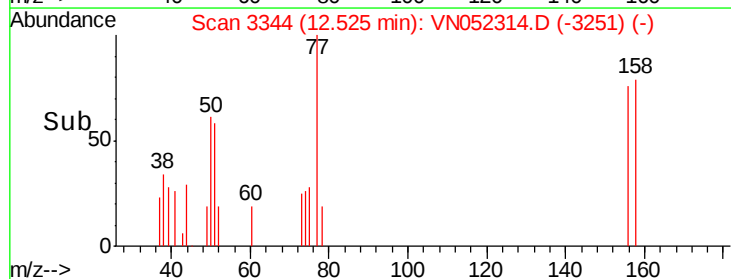
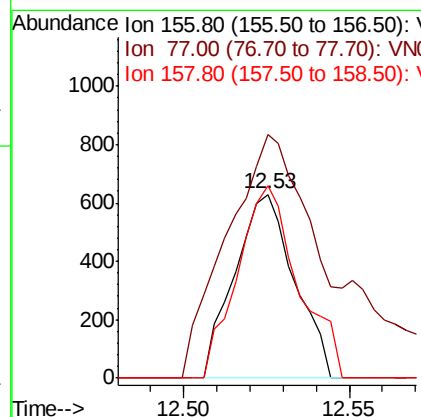
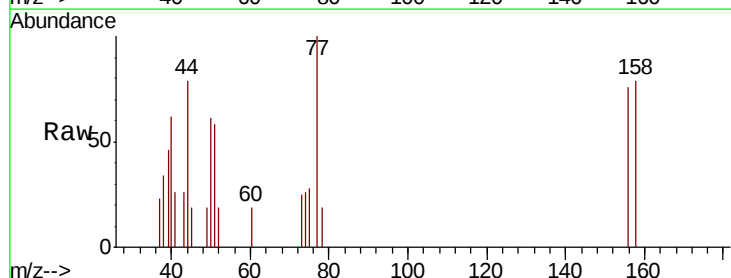
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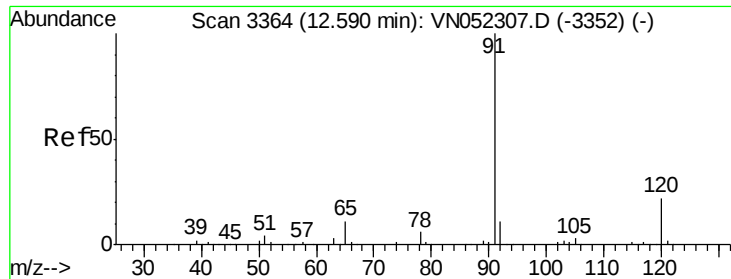
MMDadoda
 11/20/2018 2:53:55 PM



#77
 Bromobenzene
 Concen: 0.330 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion: 156 Resp: 789
 Ion Ratio Lower Upper
 156 100
 77 228.1 103.6 310.9
 158 106.6 48.1 144.4





#78

n-propylbenzene

Concen: 0.268 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 91 Resp: 3225

Ion Ratio Lower Upper

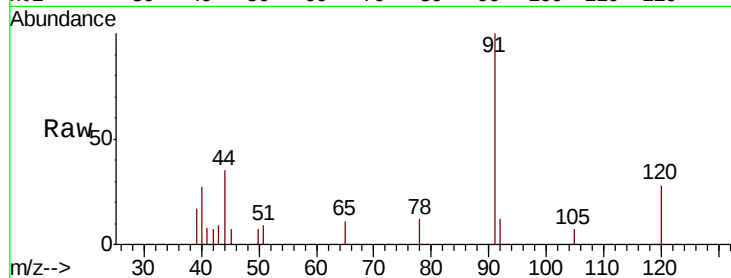
91 100

120 26.9 11.1 33.1

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3352) (-)

12.59

2500

2000

1500

1000

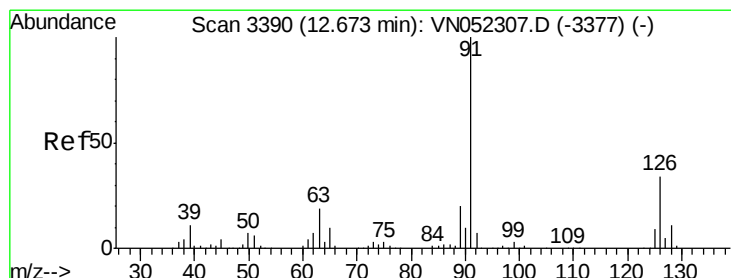
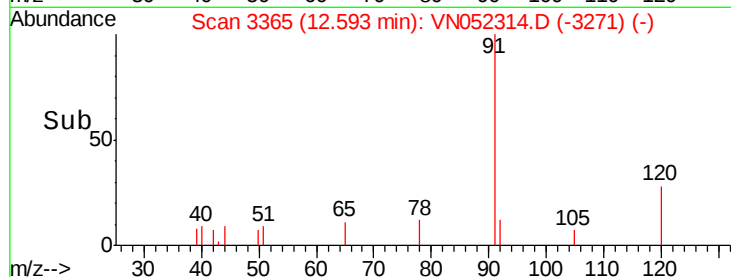
500

0

12.55

12.60

Time-->



#79

2-Chlorotoluene

Concen: 0.317 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052314.D

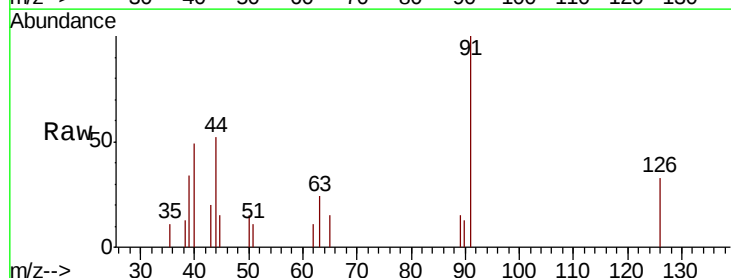
Acq: 14 Nov 2018 15:49

Tgt Ion: 91 Resp: 2225

Ion Ratio Lower Upper

91 100

126 31.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

12.67

1500

1000

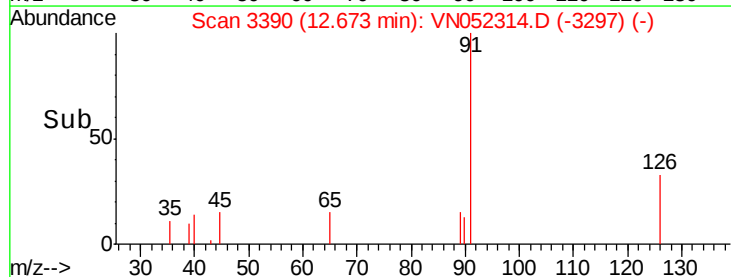
500

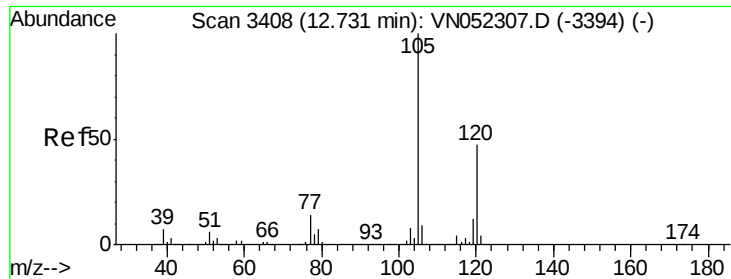
0

12.65

12.70

Time-->





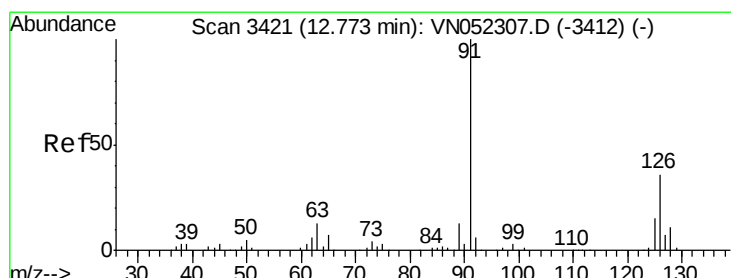
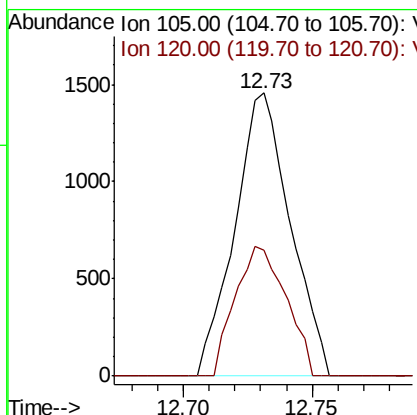
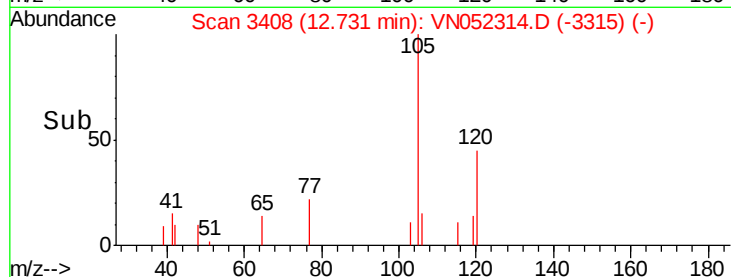
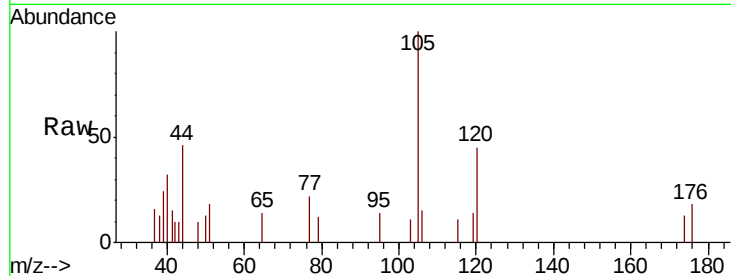
#80
 1,3,5-Trimethylbenzene
 Concen: 0.267 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion:105 Resp: 2186
 Ion Ratio Lower Upper
 105 100
 120 42.0 23.7 71.1

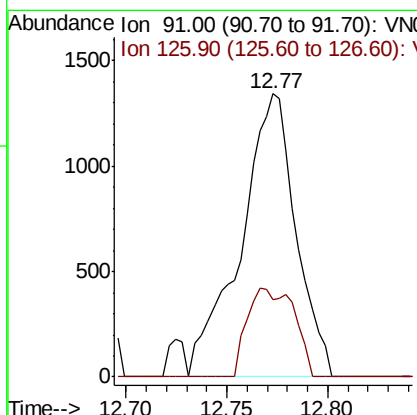
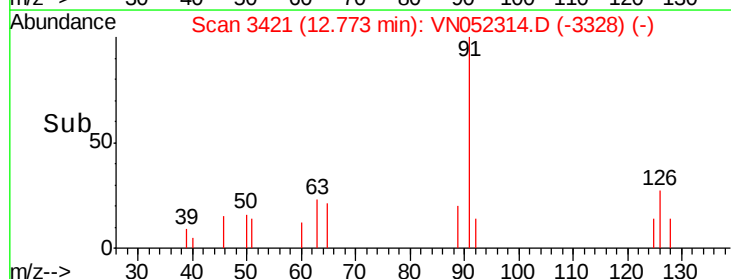
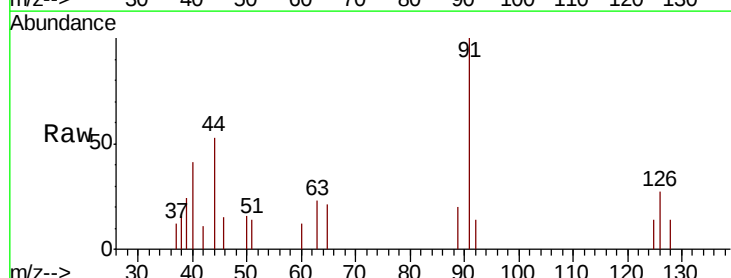
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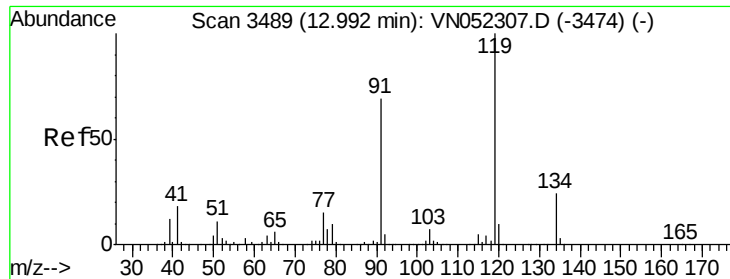
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 0.356 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion: 91 Resp: 2564
 Ion Ratio Lower Upper
 91 100
 126 26.8 17.0 50.9





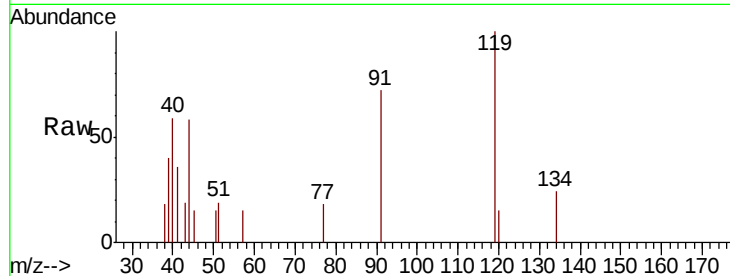
#83
tert-Butylbenzene
Concen: 0.299 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.8	101.3
134	15.7	11.9	35.9

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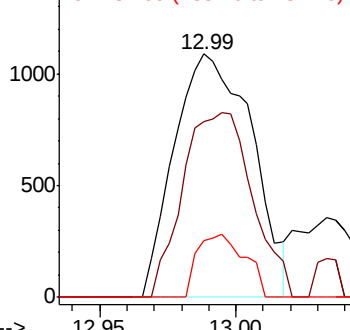


Abundance

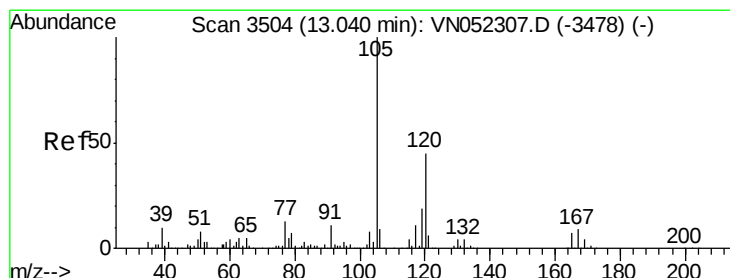
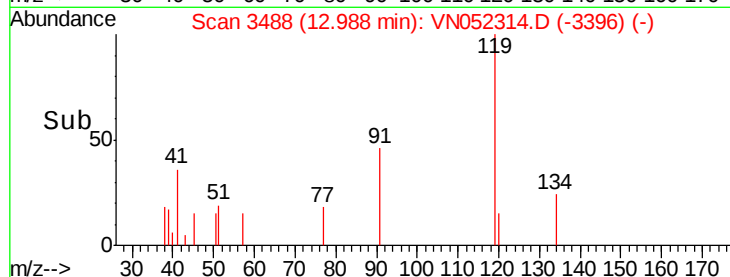
Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

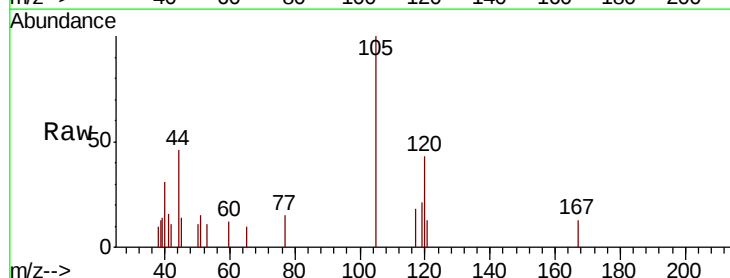


Time-->



#84
1,2,4-Trimethylbenzene
Concen: 0.276 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

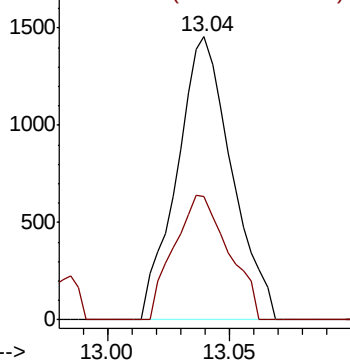
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.5	67.5



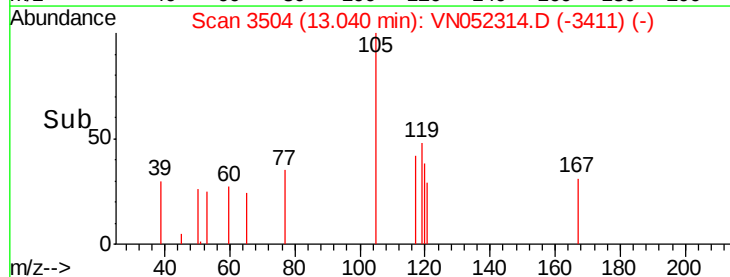
Abundance

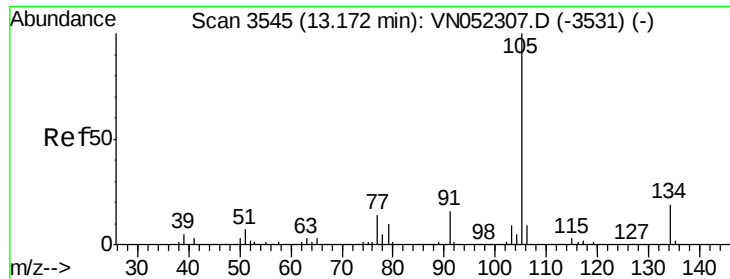
Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 0.265 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:105 Resp: 2606

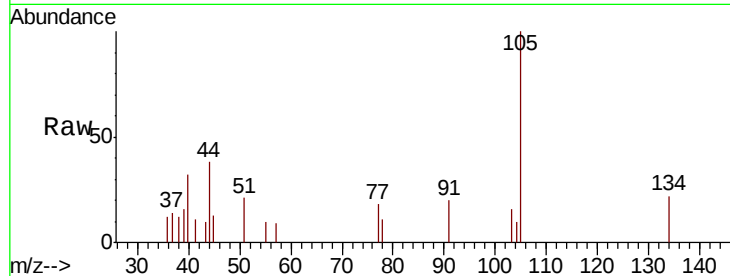
Ion Ratio Lower Upper

105 100

134 18.2 9.5 28.5

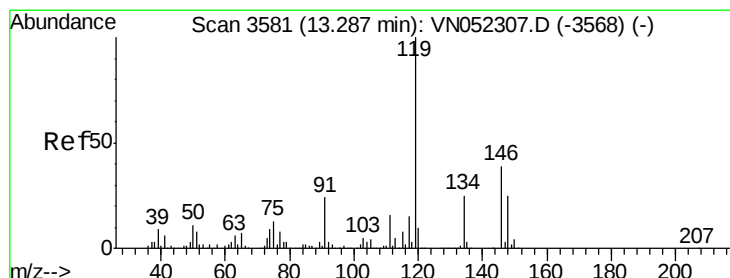
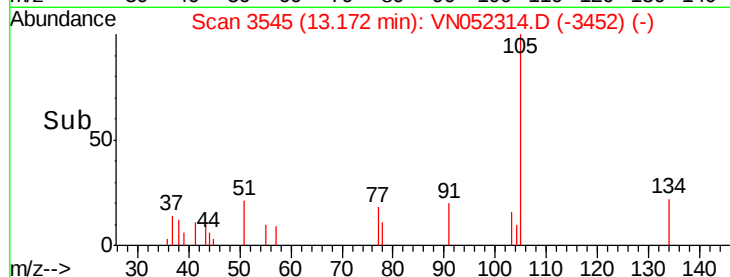
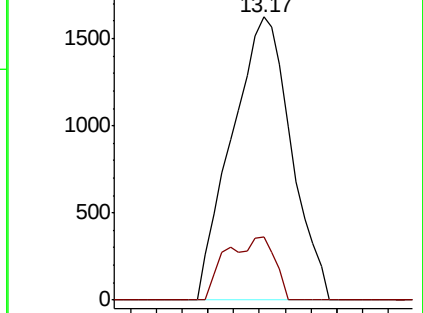
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.248 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

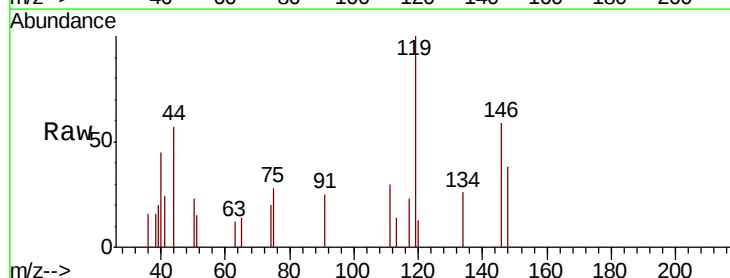
Tgt Ion:119 Resp: 2065

Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

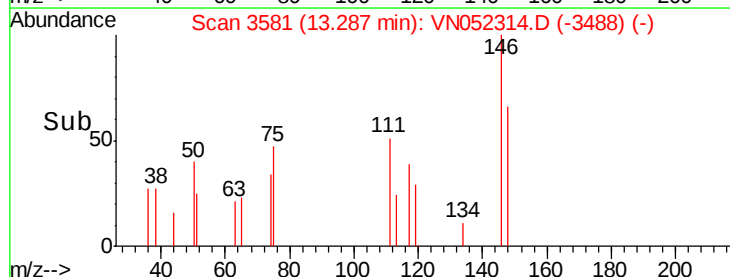
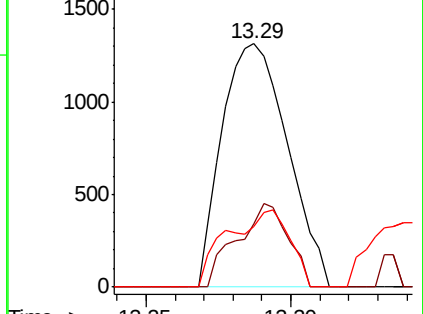
91 30.1 12.4 37.0

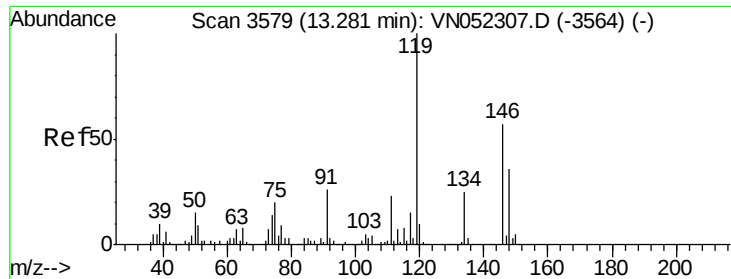


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





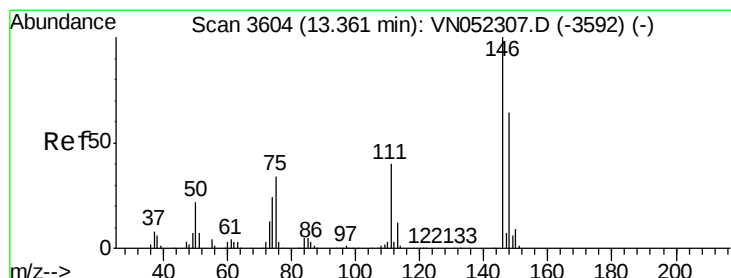
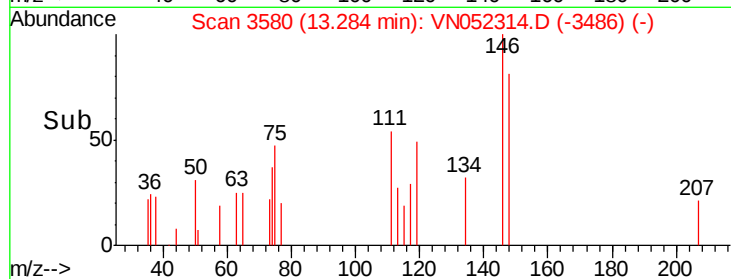
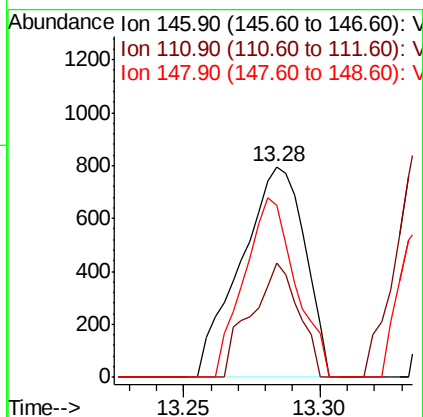
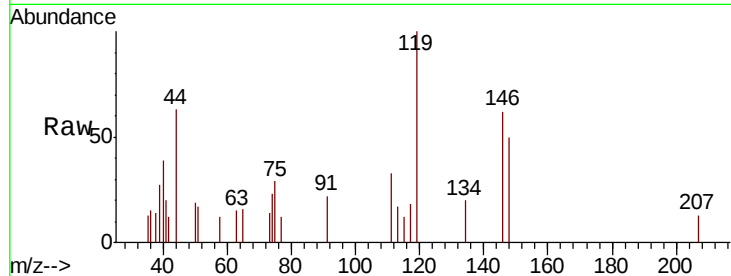
#87
 1,3-Dichlorobenzene
 Concen: 0.306 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	68.4	31.8	95.4

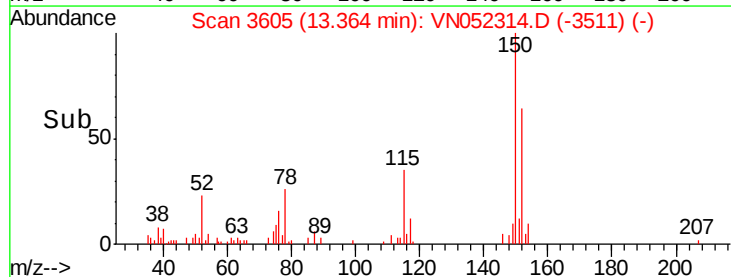
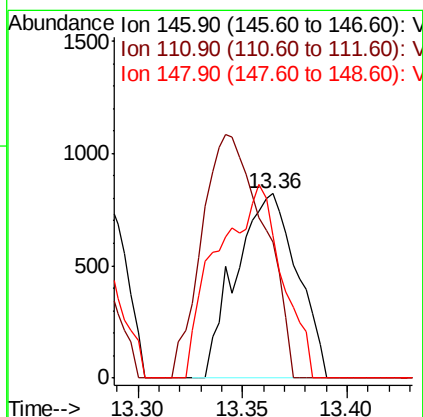
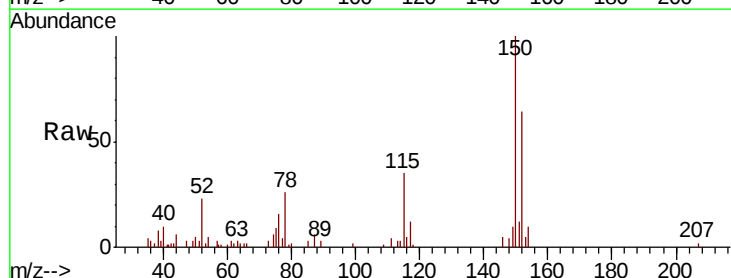
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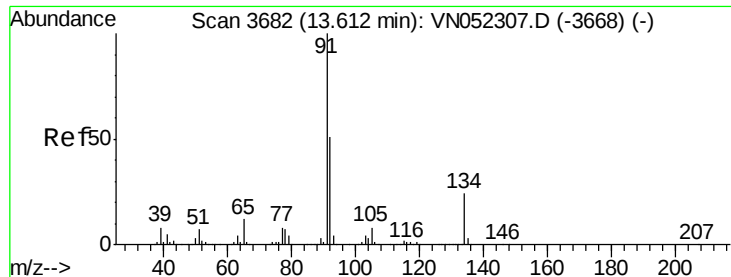
MMDadoda
 11/20/2018 2:53:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.396 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	20.6	61.8
148	53.2	32.4	97.2





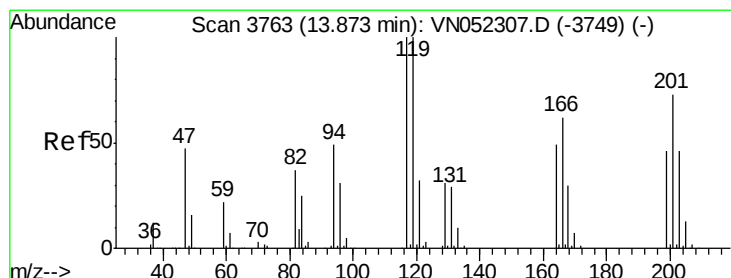
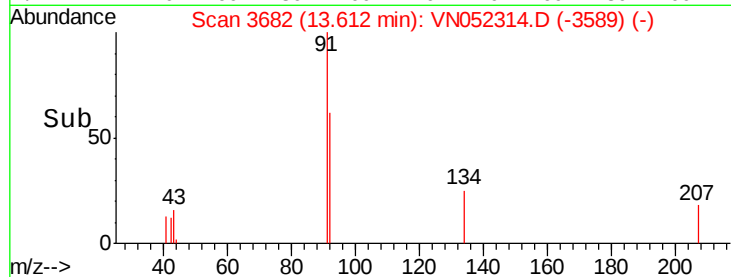
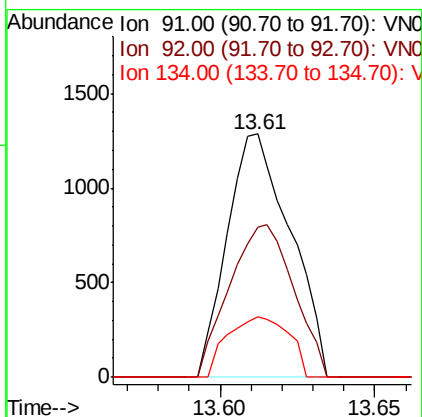
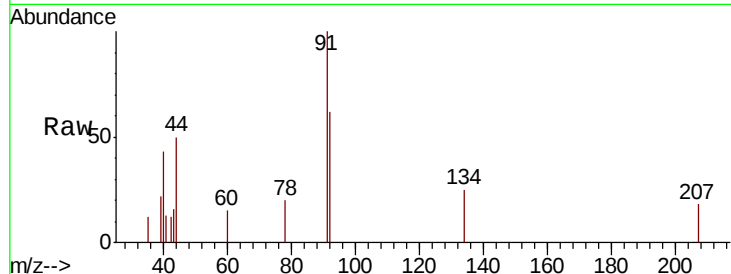
#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.7	25.4	76.2
134	24.2	12.2	36.4

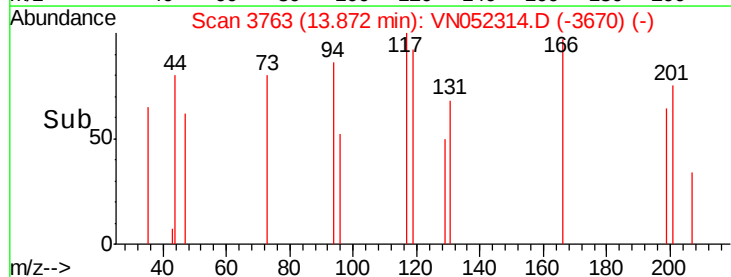
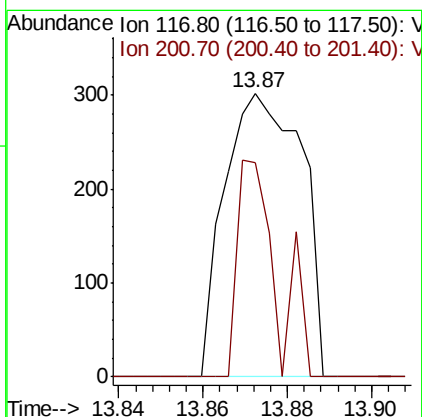
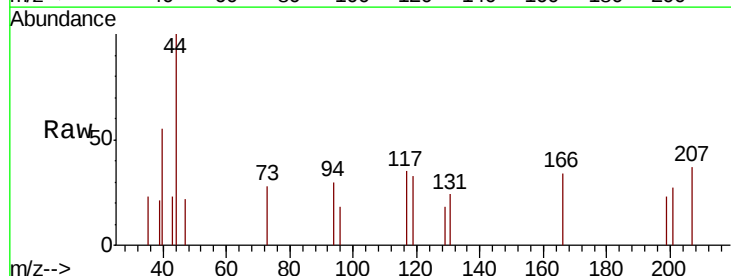
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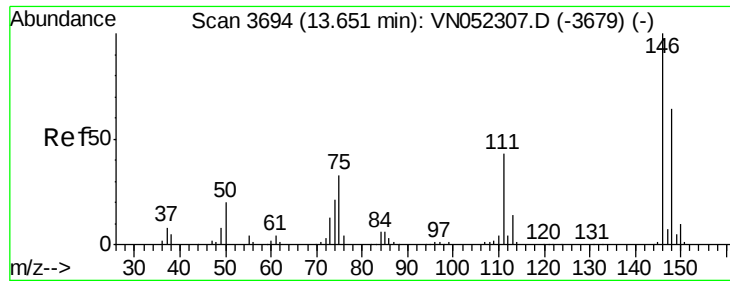
MMDadoda
11/20/2018 2:53:55 PM



#90
Hexachloroethane
Concen: 0.260 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052314.D
Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	38.5	35.3	105.9





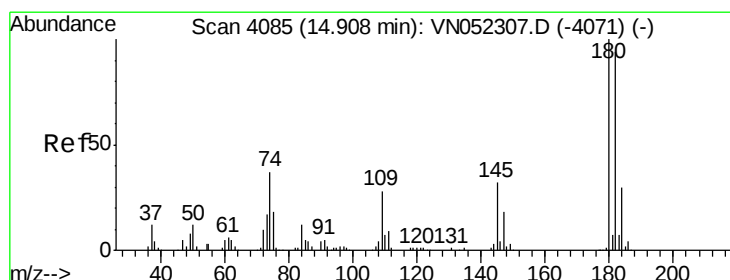
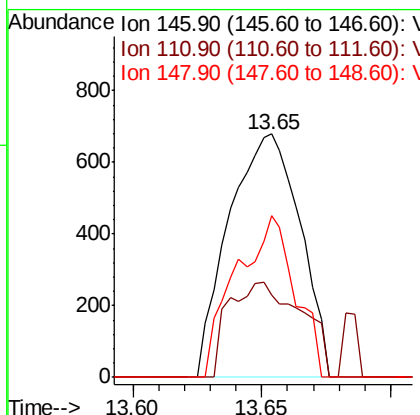
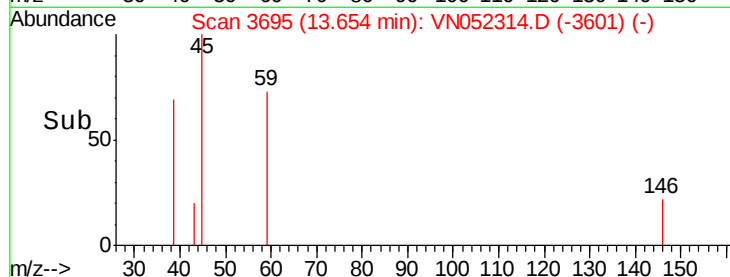
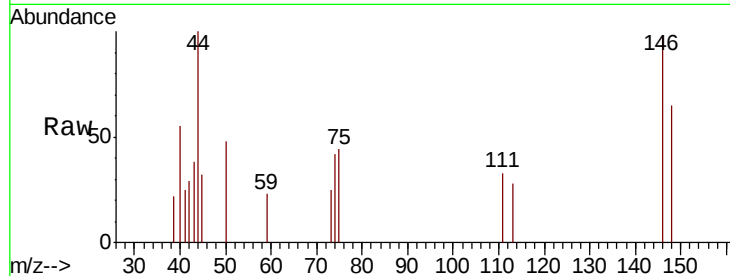
#91
 1,2-Dichlorobenzene
 Concen: 0.317 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.3	63.9
148	55.5	31.6	94.8

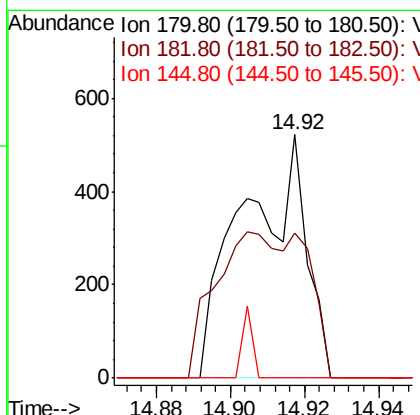
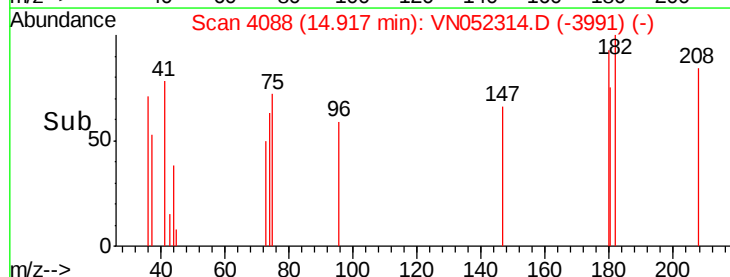
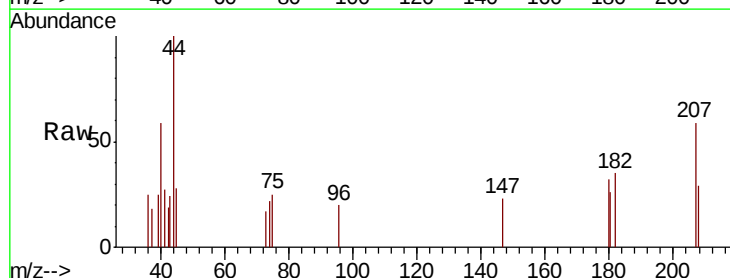
Manual Integrations
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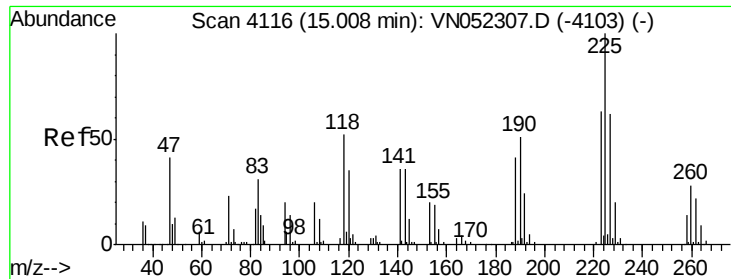
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 2.561 ug/l m
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.6	142.9
145	4.9	15.5	46.5#





#94

Hexachlorobutadiene

Concen: 0.377 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

Instrument :

MSVOA_N

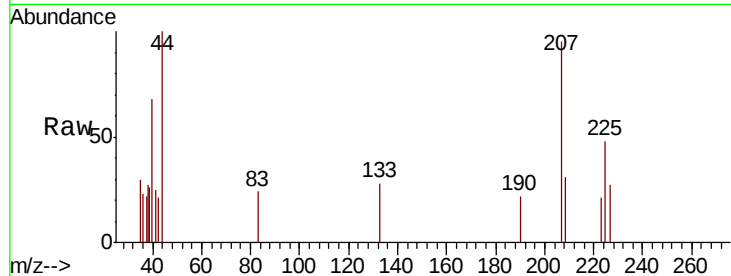
ClientSampleId :

MDL-WATER-03-QT4-2018

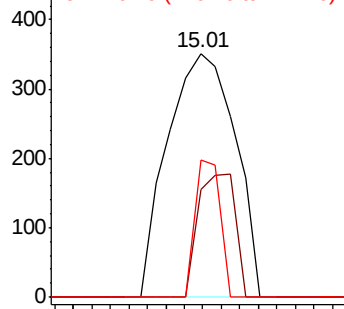
Tot Ion:	225	Resp:	355
Ion Ratio	Lower	Upper	
225	100		
223	27.6	31.9	95.5#
227	21.1	31.6	95.0#

Manual Integrations
APPROVED

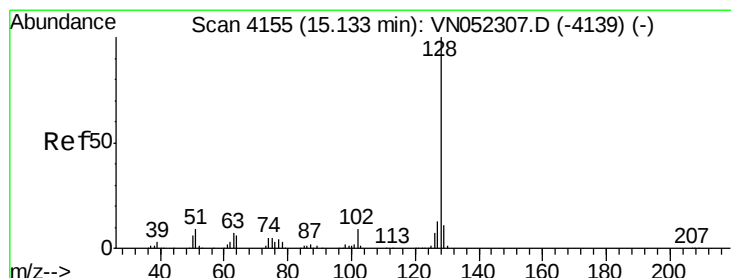
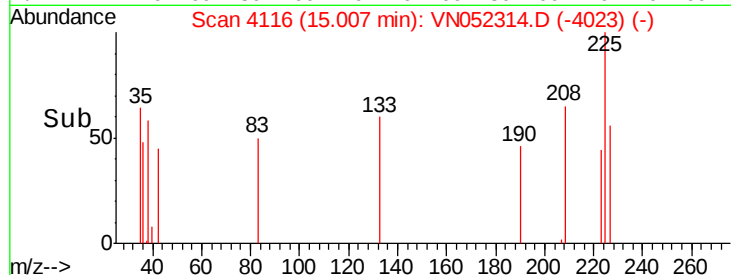
MMDadoda
11/20/2018 2:53:55 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time--> 14.98 15.00 15.02



#95

Naphthalene

Concen: 2.890 ug/l

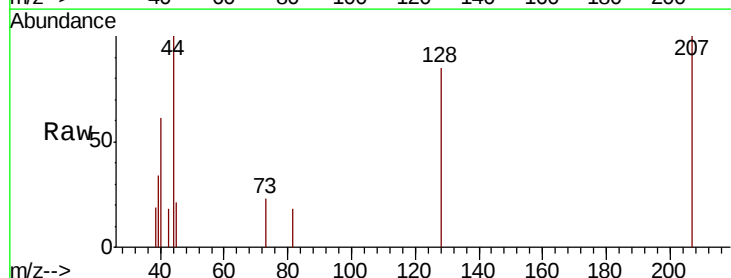
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

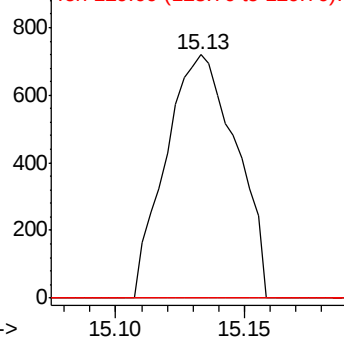
Lab File: VN052314.D

Acq: 14 Nov 2018 15:49

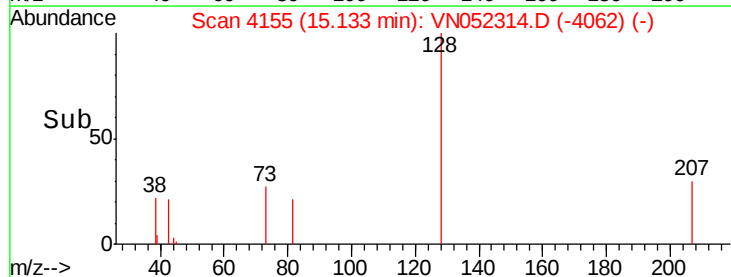
Tgt Ion:	128	Resp:	1362
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

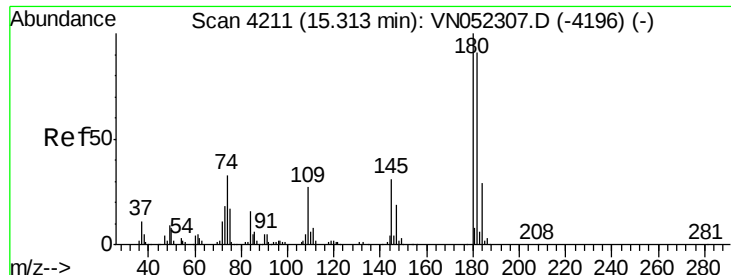


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 0.319 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.01 min
 Lab File: VN052314.D
 Acq: 14 Nov 2018 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	71.3	46.5	139.3
145	0.0	16.4	49.2#

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:53:55 PM

