

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050311.D
 Acq On : 3 Aug 2018 14:24
 Operator : MD\SY
 Sample : J4341-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:23 AM

Quant Time: Aug 03 23:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.23	128	959	30.00	ug/l	0.04
28) 1,4-Difluorobenzene	8.23	114	142	30.00	ug/l	-0.35
57) Chlorobenzene-d5	11.54	117	786090	30.00	ug/l	0.14

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.19	65	287	4.40	ug/l	0.16
Spiked Amount	30.000	Range	50 - 169	Recovery	=	14.67%#
60) 4-Bromofluorobenzene	12.47	95	341385	28.27	ug/l	0.06
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.23%
63) Toluene-d8	10.38	98	956843	25.48	ug/l	0.29
Spiked Amount	30.000	Range	66 - 137	Recovery	=	84.93%

Target Compounds

					Ovalue	
8) Diethyl Ether	3.60	74	101	3.18	ug/l #	3
9) 1,1,2-Trichlorotrifluoroet	3.72	101	110	1.91	ug/l	71
10) 1,1-Dichloroethene	3.76	96	35	0.68	ug/l #	86
11) Methyl Iodide	3.97	142	102	1.36	ug/l #	43
12) Methyl Acetate	3.98	43	1388	23.70	ug/l #	52
13) Acrolein	3.71	56	241	66.58	ug/l	85
14) Acrylonitrile	4.72	53	1332	68.15	ug/l #	40
15) Acetone	3.78	58	86	16.56	ug/l	96
16) Carbon Disulfide	3.64	76	179	1.14	ug/l	95
17) Allyl chloride	4.09	41	4571	56.61	ug/l #	68
18) Methylene Chloride	4.58	84	258	4.37	ug/l #	4
19) trans-1,2-Dichloroethene	5.06	96	40	0.73	ug/l #	1
21) 1,1-Dichloroethane	6.36	63	1014	9.74	ug/l	99
22) cis-1,2-Dichloroethene	6.86	96	651	10.72	ug/l #	1
23) tert-Butyl Alcohol	4.47	59	83225	19057.17	ug/l #	100
24) Methyl tert-Butyl Ether	5.08	73	84	0.60	ug/l #	57
25) Chloroform	7.40	83	741	7.03	ug/l #	21
26) Cyclohexane	7.68	56	42	0.51	ug/l #	44
29) 1,1-Dichloropropene	7.59	75	206	93.48	ug/l	76
30) 2-Butanone	6.64	43	1109	1603.70	ug/l #	14
31) 2,2-Dichloropropane	6.93	77	1138	467.17	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	157	60.53	ug/l #	29
33) Carbon Tetrachloride	7.65	117	400	172.99	ug/l #	69
34) Benzene	8.05	78	135	20.17	ug/l #	1
35) Methacrylonitrile	7.02	41	292	370.86	ug/l #	1
36) 1,2-Dichloroethane	8.13	62	14	6.37	ug/l #	74
38) Methylcyclohexane	9.16	83	17014	7323.47	ug/l #	29
39) 1,2-Dichloropropane	9.16	63	168138	95367.55	ug/l #	46
40) Dibromomethane	9.65	93	188	172.53	ug/l	99
41) Bromodichloromethane	9.80	83	9030	3928.66	ug/l	93
42) Vinyl Acetate	6.27	43	2316	711.71	ug/l	97
43) Ethyl Acetate	6.64	43	1109	767.99	ug/l #	22
44) Isopropyl Acetate	7.94	43	1878	702.06	ug/l	92
45) 1,4-Dioxane	9.16	88	127152	7223491.28	ug/l #	26
46) Methyl methacrylate	9.45	41	174	134.18	ug/l	61
47) n-amyl Acetate	12.30	43	461	221.48	ug/l	92
48) t-1,3-Dichloropropene	10.61	75	744	339.59	ug/l	93

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 DSN001-SEWER-OUTLET-001

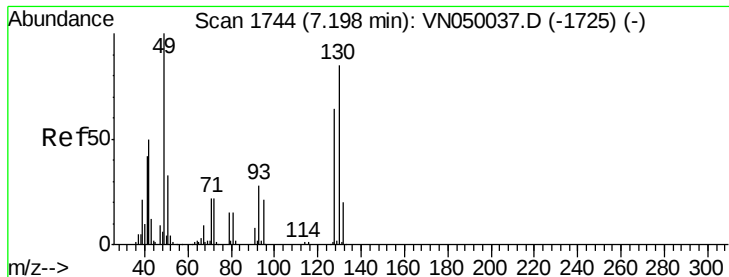
Manual Integrations
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Quant Time: Aug 03 23:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) cis-1,3-Dichloropropene	9.89	75	103	40.01	ug/l #	69
50) 1,1,2-Trichloroethane	10.53	97	60	38.36	ug/l #	21
51) Ethyl methacrylate	10.39	69	4194	2209.20	ug/l	89
52) 1,3-Dichloropropane	10.90	76	294	114.47	ug/l	81
53) Dibromochloromethane	11.08	129	2750	1549.27	ug/l	95
54) 1,2-Dibromoethane	11.18	107	32	20.89	ug/l #	2
55) 2-Chloroethyl vinyl ether	9.59	63	65	75.65	ug/l #	1
56) Bromoform	12.21	173	3141	2506.02	ug/l #	93
80) 1,2,4-Trimethylbenzene	13.09	105	14647	0.39	ug/l	34
88) 1,2-Dibromo-3-Chloropropan	14.28	75	628	0.33	ug/l #	31
89) 1,2,4-Trichlorobenzene	15.32	180	6969	0.72	ug/l	98
91) Naphthalene	15.14	128	44652	9.11	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	6969	0.71	ug/l	98

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



#1

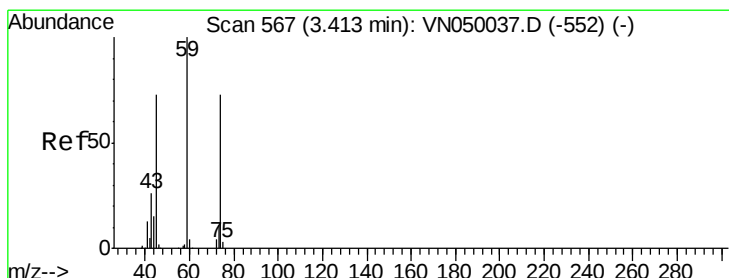
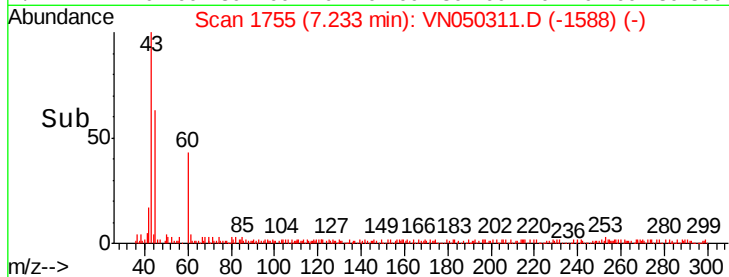
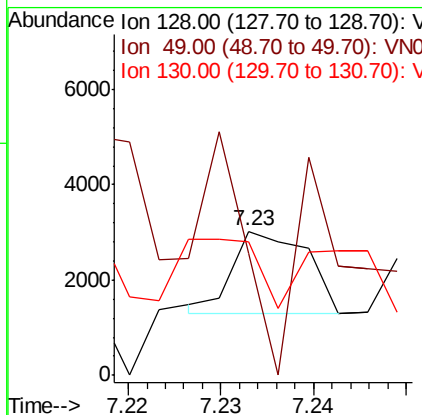
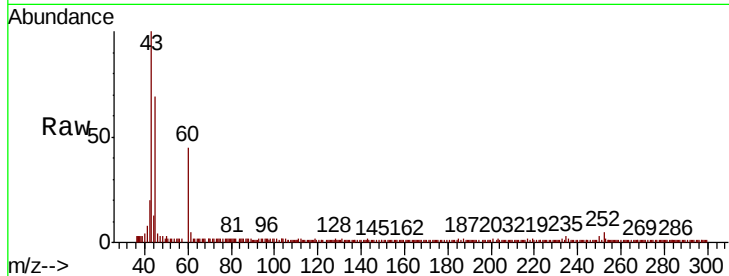
Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.23 min Scan# 1755
 Delta R.T. 0.04 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
128	100		
49	203.4	0.0	378.3
130	86.0	0.0	320.7

Manual Integrations
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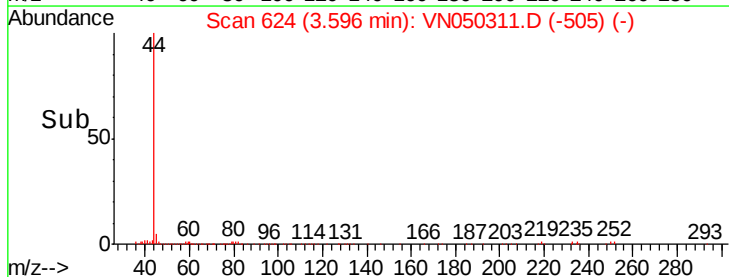
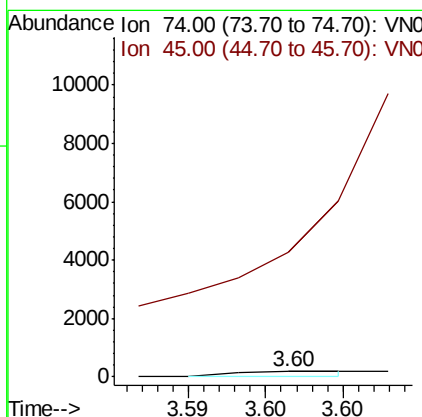
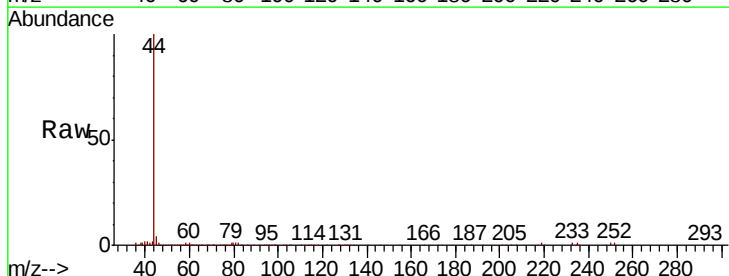
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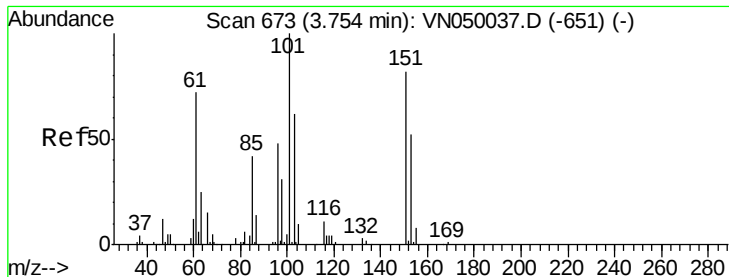


#8

Diethyl Ether
 Concen: 3.18 ug/l
 RT: 3.60 min Scan# 624
 Delta R.T. 0.18 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	0.0	18.7	167.9#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.91 ug/l

RT: 3.72 min Scan# 663

Delta R.T. -0.03 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

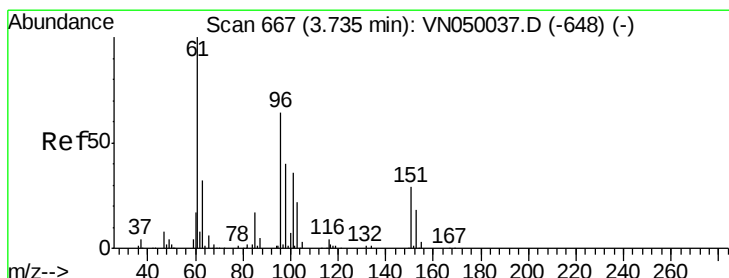
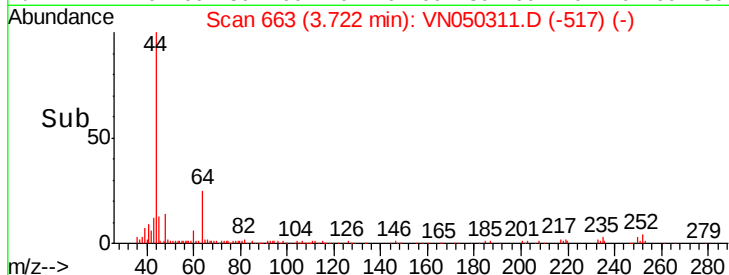
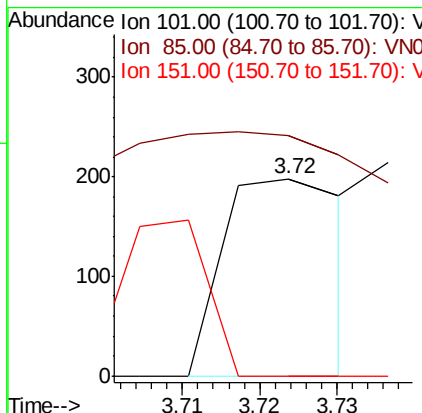
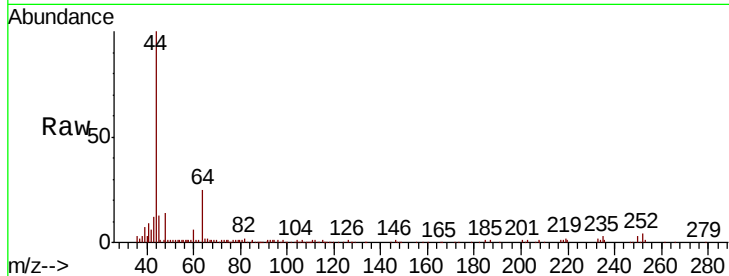
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	101	Resp:	110
Ion Ratio	Lower	Upper	
101	100		
85	54.5	0.0	83.0
151	53.6	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 0.68 ug/l

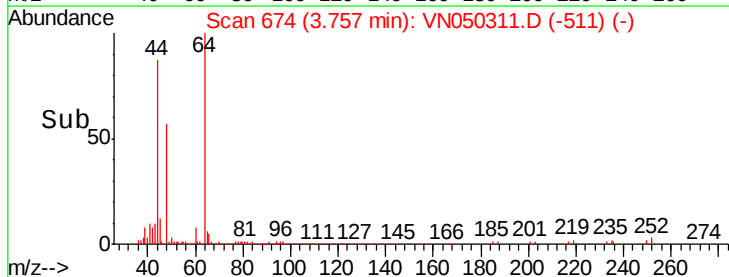
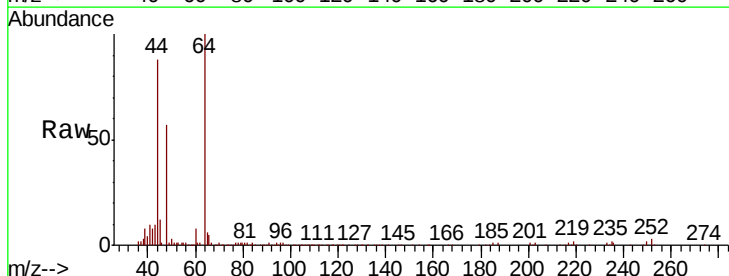
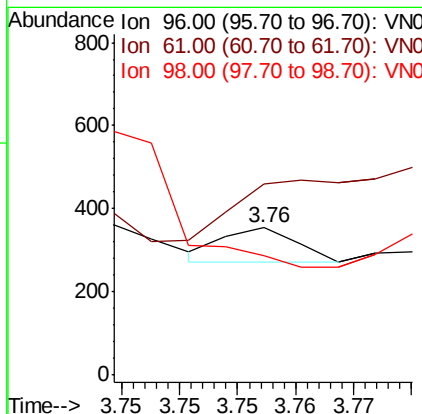
RT: 3.76 min Scan# 674

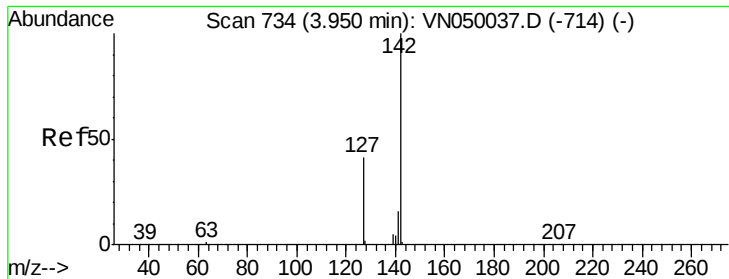
Delta R.T. 0.02 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	96	Resp:	35
Ion Ratio	Lower	Upper	
96	100		
61	167.9	130.6	195.8
98	35.8	53.5	80.3#





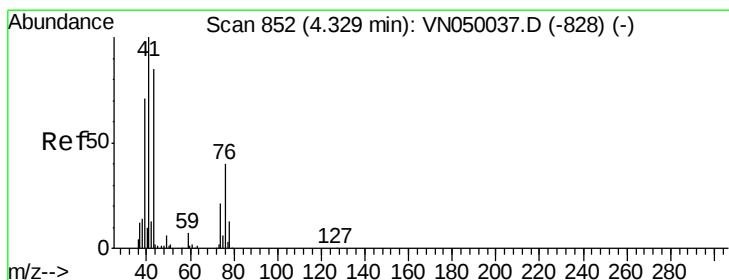
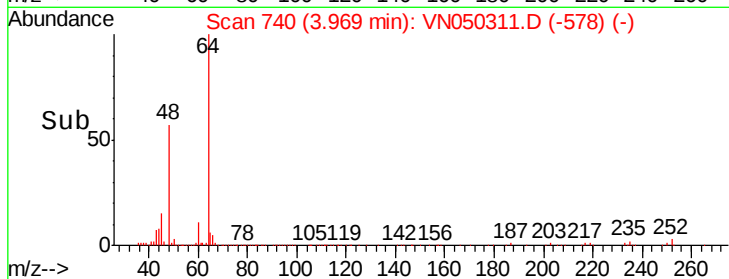
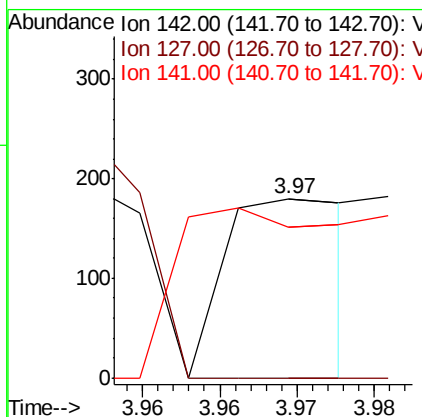
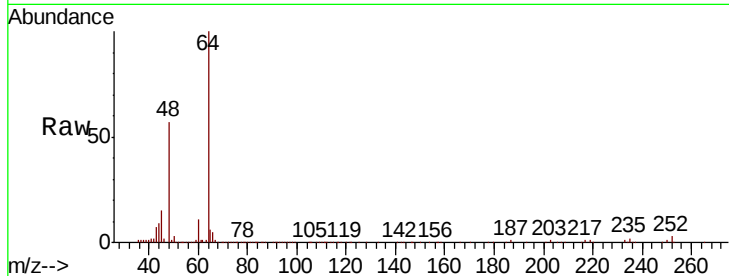
#11
Methyl Iodide
Concen: 1.36 ug/l
RT: 3.97 min Scan# 740
Delta R.T. 0.02 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion:	142	Resp:	102
Ion Ratio	Lower	Upper	
142	100		
127	0.0	20.2	60.5#
141	0.0	6.9	20.6#

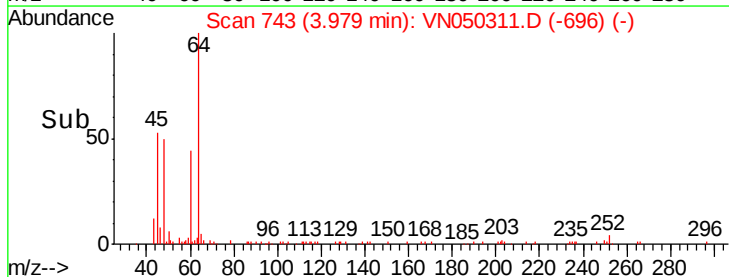
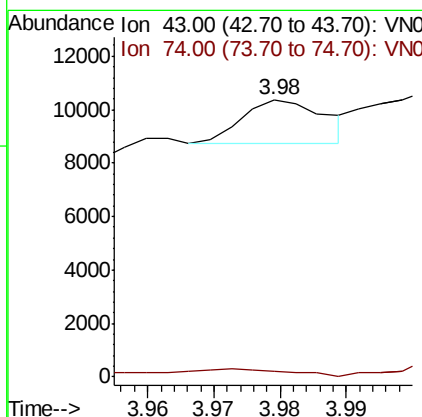
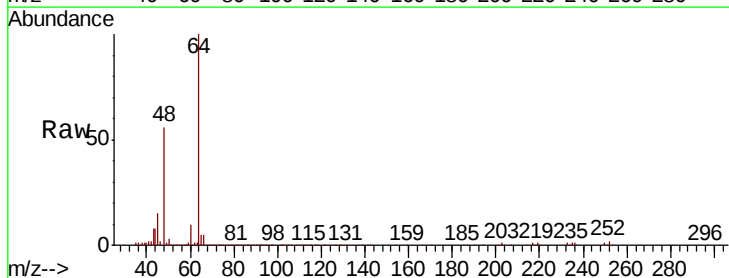
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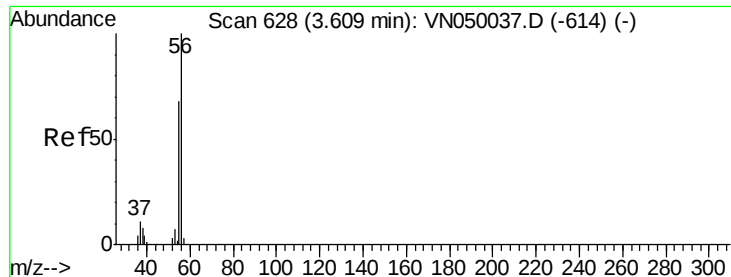
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#12
Methyl Acetate
Concen: 23.70 ug/l
RT: 3.98 min Scan# 743
Delta R.T. -0.35 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion:	43	Resp:	1388
Ion Ratio	Lower	Upper	
43	100		
74	0.2	19.3	28.9#





#13

Acrolein

Concen: 66.58 ug/l

RT: 3.71 min Scan# 660

Delta R.T. 0.10 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

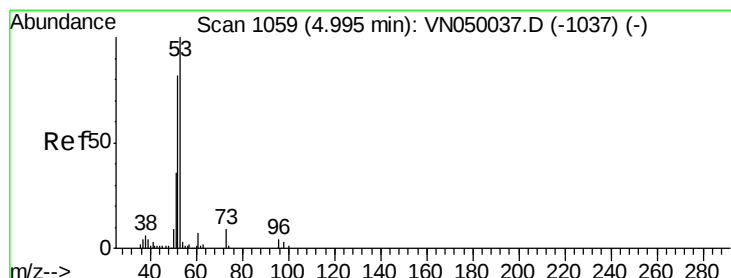
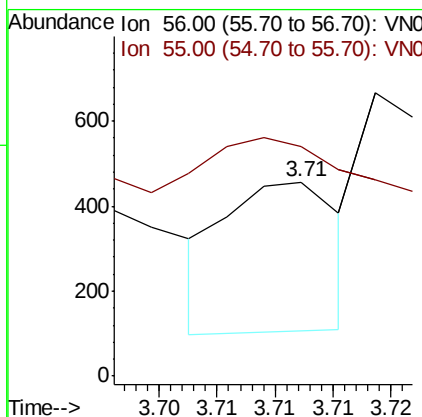
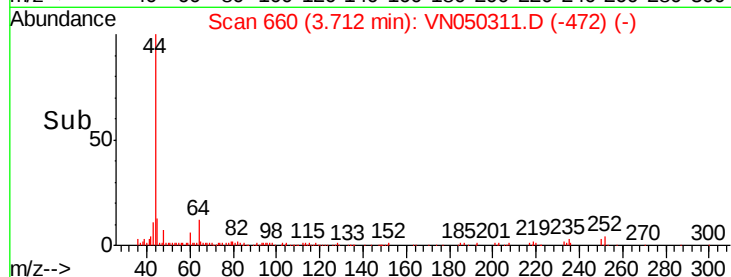
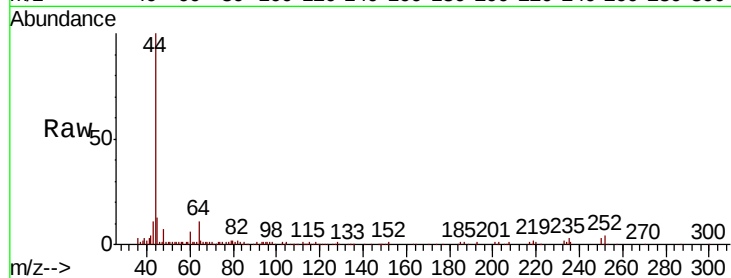
55 86.3 58.6 88.0

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#14

Acrylonitrile

Concen: 68.15 ug/l

RT: 4.72 min Scan# 974

Delta R.T. -0.27 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

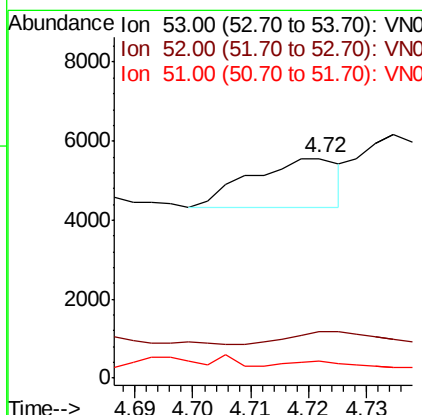
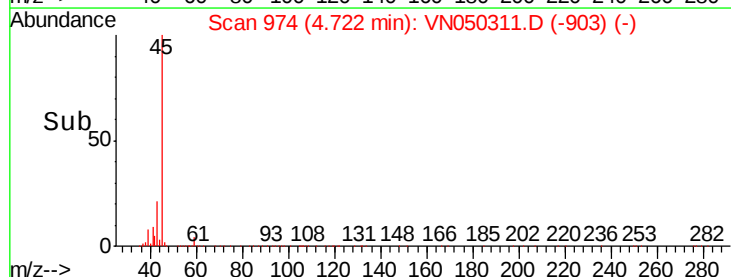
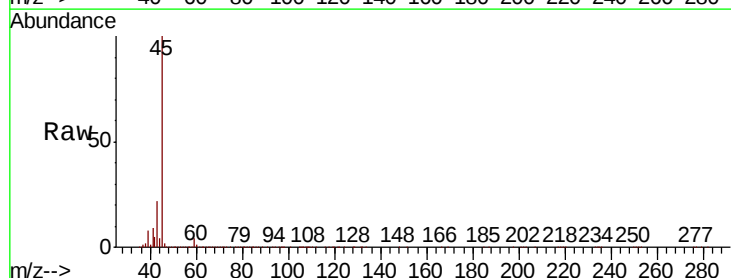
Tgt Ion: 53 Resp: 1332

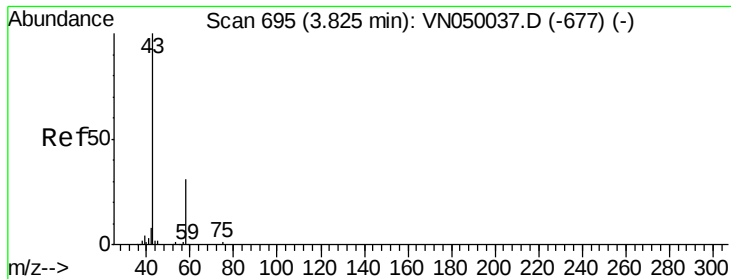
Ion Ratio Lower Upper

53 100

52 23.4 41.5 124.5#

51 9.8 18.7 56.1#





#15

Acetone

Concen: 16.56 ug/l

RT: 3.78 min Scan# 680

Delta R.T. -0.05 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion: 58 Resp: 86

Ion Ratio Lower Upper

58 100

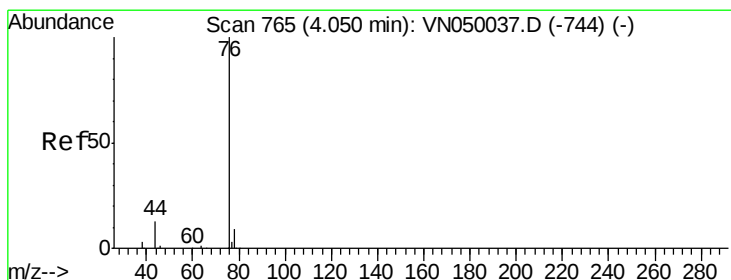
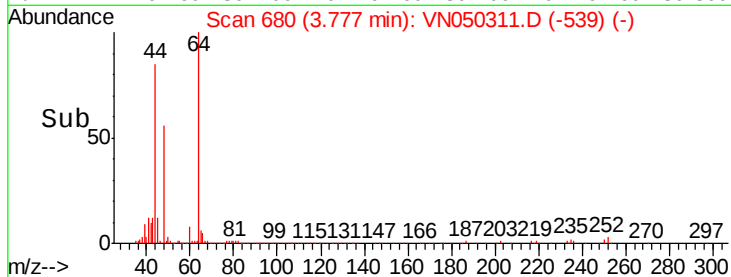
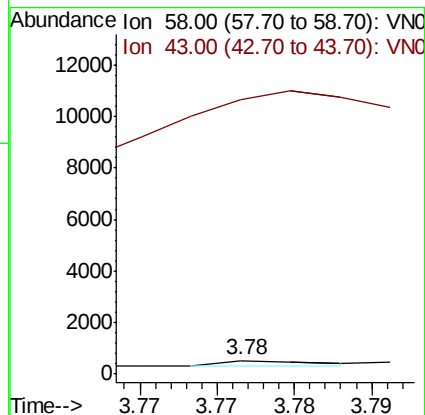
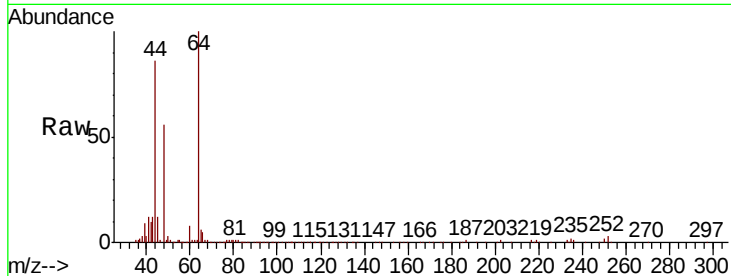
43 323.2 252.0 378.0

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#16

Carbon Disulfide

Concen: 1.14 ug/l

RT: 3.64 min Scan# 638

Delta R.T. -0.41 min

Lab File: VN050311.D

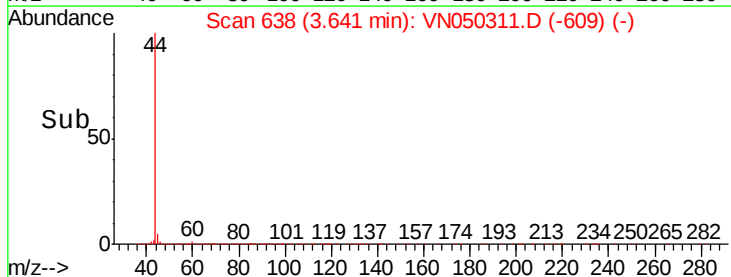
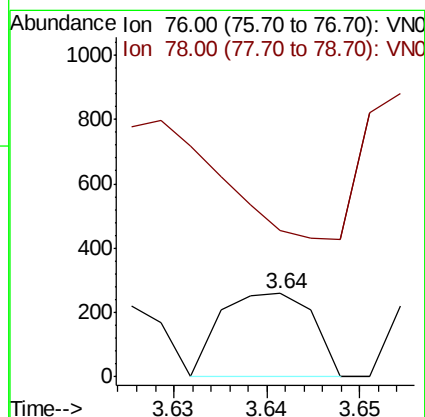
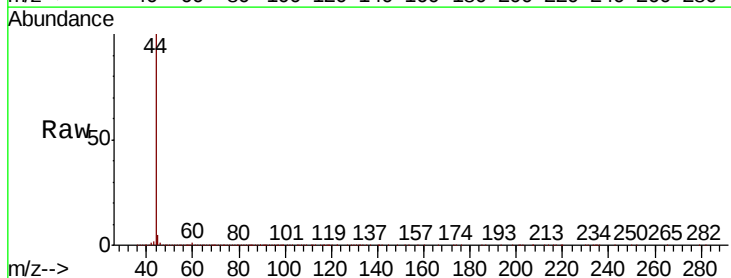
Acq: 3 Aug 2018 14:24

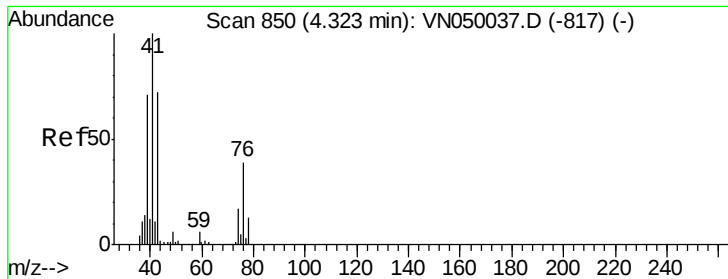
Tgt Ion: 76 Resp: 179

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9





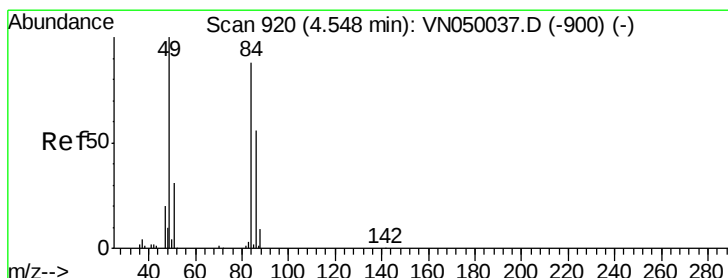
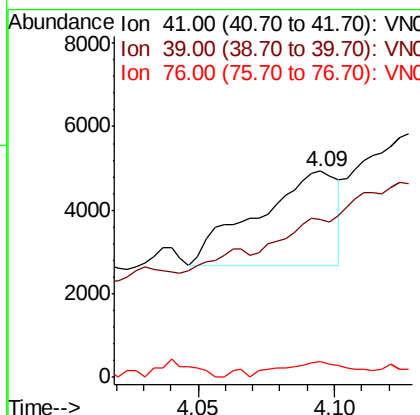
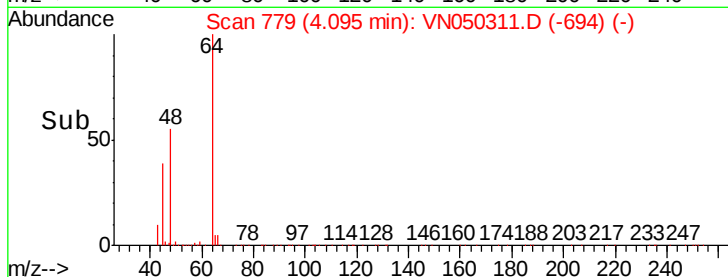
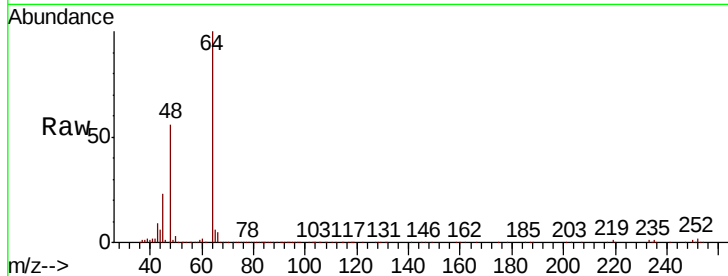
#17
Allvl chloride
Concen: 56.61 ug/l
RT: 4.09 min Scan# 779
Delta R.T. -0.23 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	35.4	106.3
76	5.2	19.7	59.1#

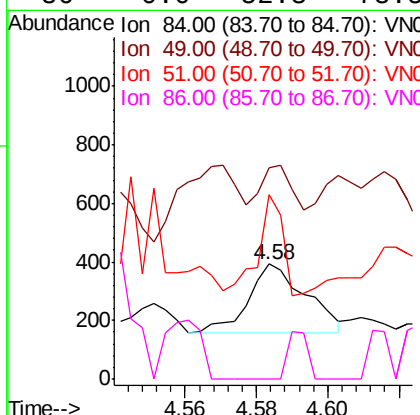
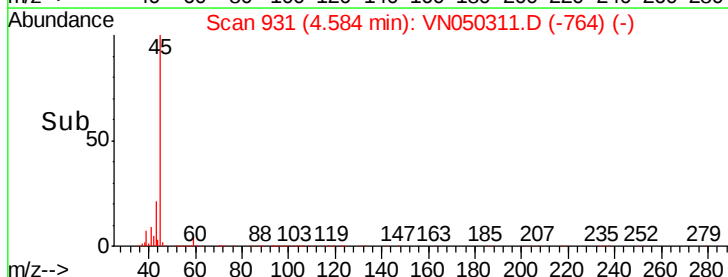
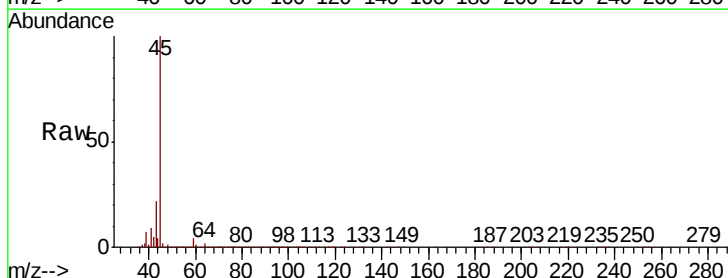
Manual Integrations
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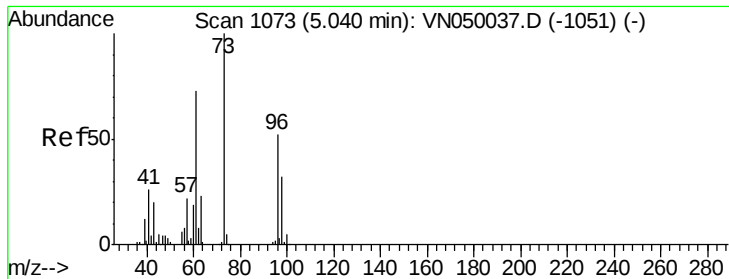
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#18
Methylene Chloride
Concen: 4.37 ug/l
RT: 4.58 min Scan# 931
Delta R.T. 0.04 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	20.9	95.1	142.7#
51	120.9	28.8	43.2#
86	0.0	52.3	78.5#





#19

trans-1,2-Dichloroethene

Concen: 0.73 ug/l

RT: 5.06 min Scan# 1080

Delta R.T. 0.02 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

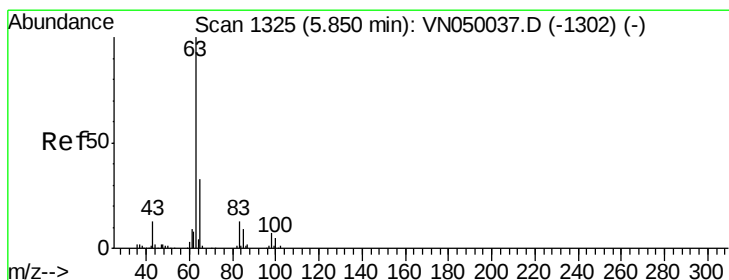
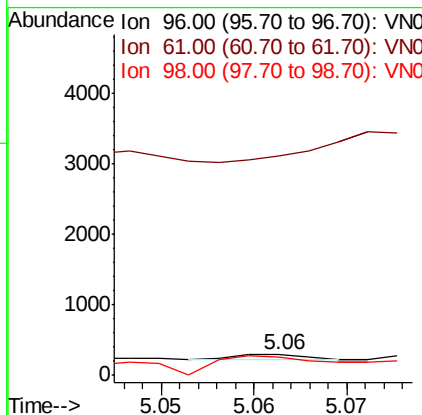
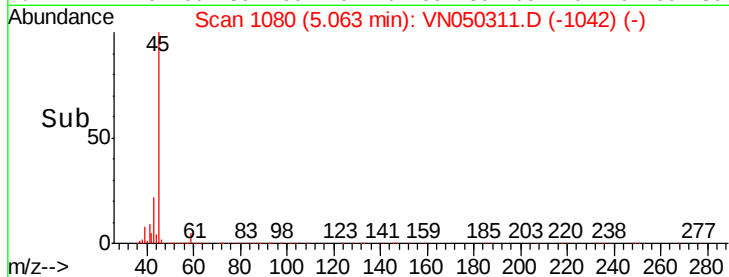
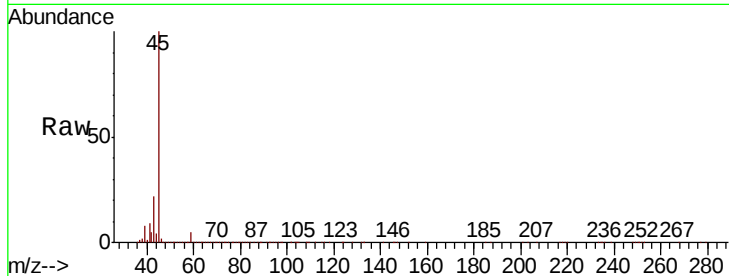
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	96	Resp:	40
Ion	Ratio	Lower	Upper
96	100		
61	111.0	112.1	168.1#
98	367.1	51.3	76.9#

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#21

1,1-Dichloroethane

Concen: 9.74 ug/l

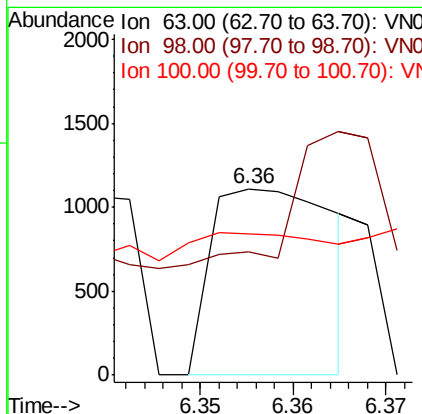
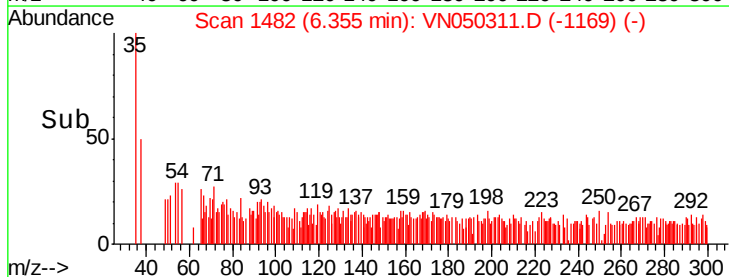
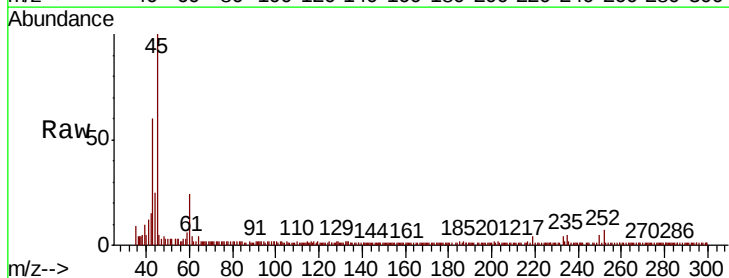
RT: 6.36 min Scan# 1482

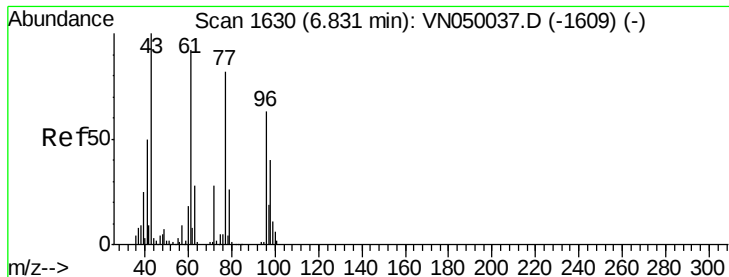
Delta R.T. 0.50 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	63	Resp:	1014
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.3	2.3	6.8





#22

cis-1,2-Dichloroethene

Concen: 10.72 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.03 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

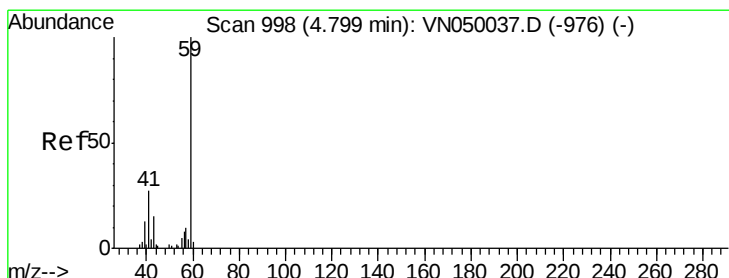
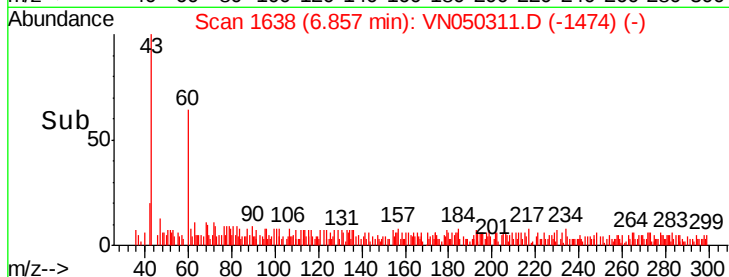
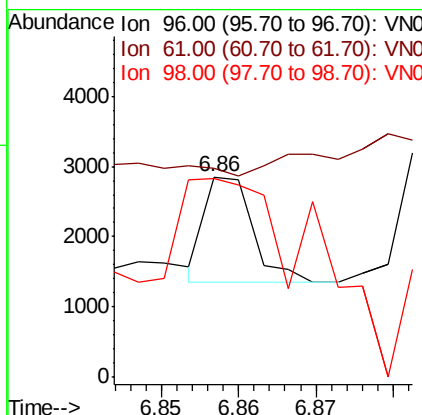
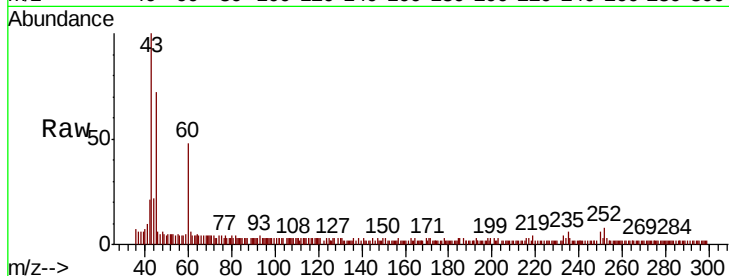
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	96	Resp:	651
Ion	Ratio	Lower	Upper
96	100		
61	29.0	114.2	171.2#
98	179.9	51.7	77.5#

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8/6/2018 11:38:23 AM



#23

tert-Butyl Alcohol

Concen: 19057.17 ug/l

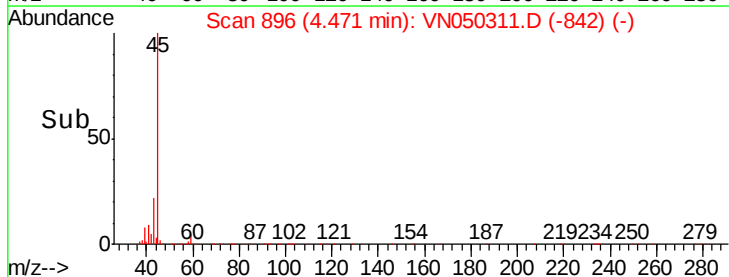
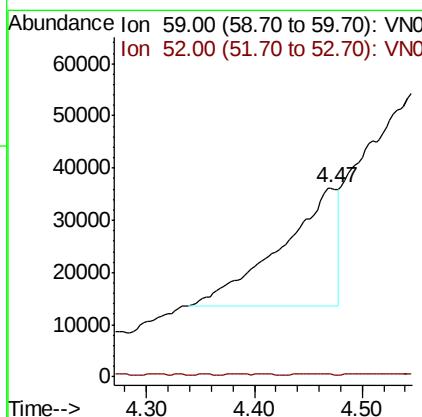
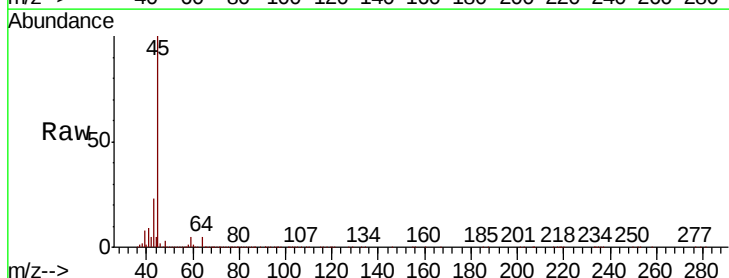
RT: 4.47 min Scan# 896

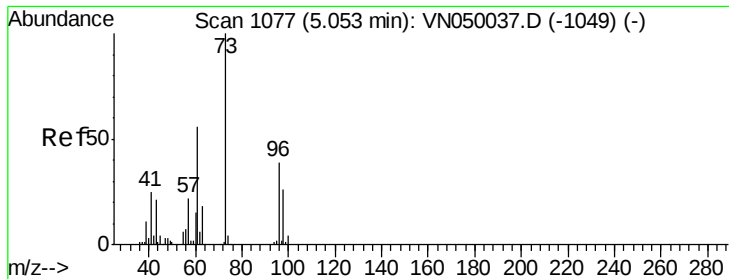
Delta R.T. -0.33 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	59	Resp:	83225
Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1#





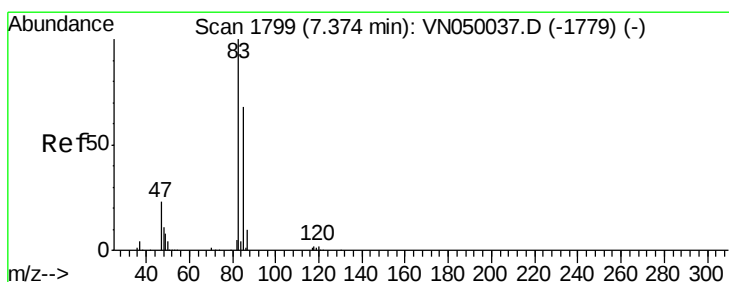
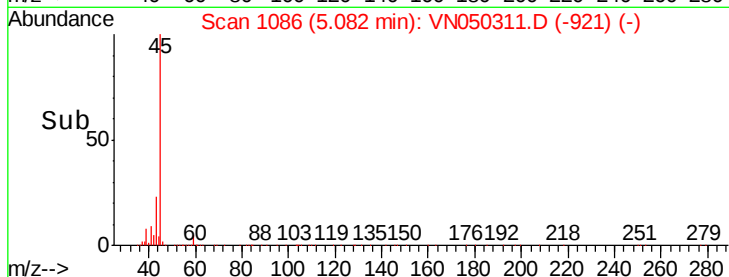
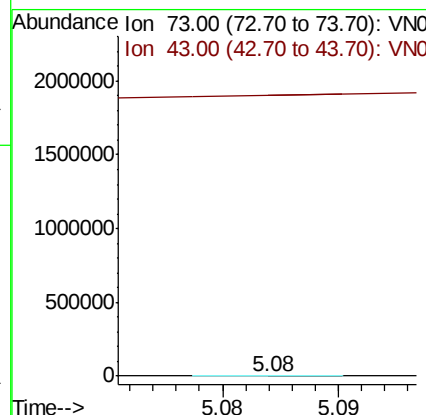
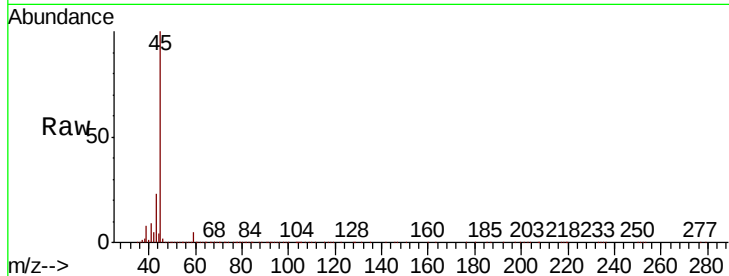
#24
Methvl tert-Butvl Ether
Concen: 0.60 ug/l
RT: 5.08 min Scan# 1086
Delta R.T. 0.03 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion: 73 Resp: 84
Ion Ratio Lower Upper
73 100
43 0.0 15.5 23.3#

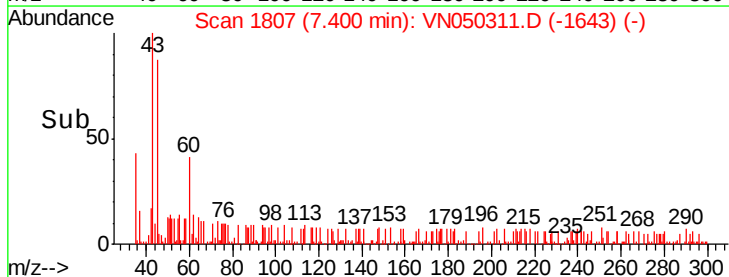
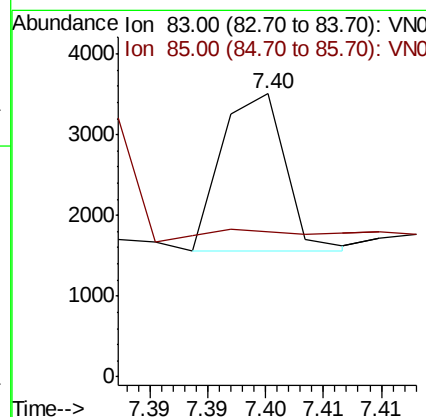
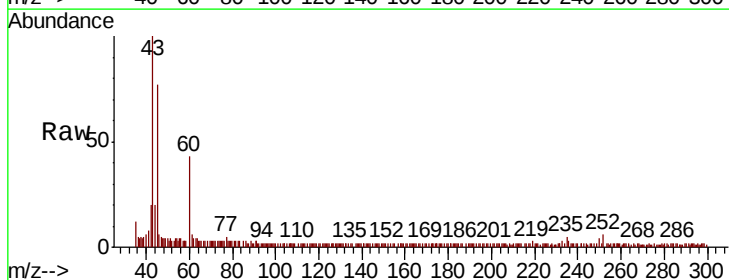
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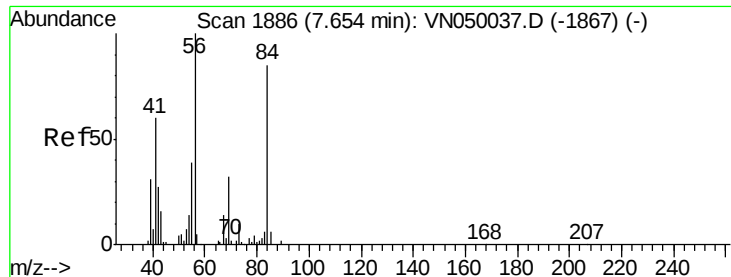
MMDadoda
8/6/2018 11:38:23 AM



#25
Chloroform
Concen: 7.03 ug/l
RT: 7.40 min Scan# 1807
Delta R.T. 0.03 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion: 83 Resp: 741
Ion Ratio Lower Upper
83 100
85 2.7 52.1 78.1#





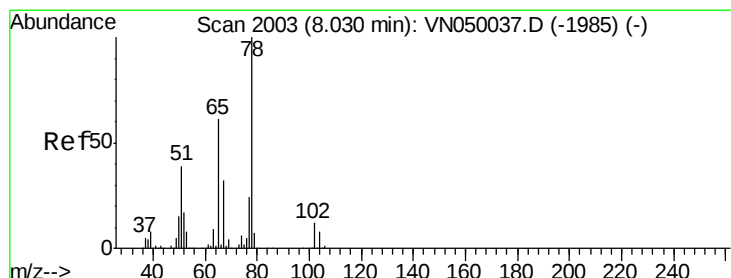
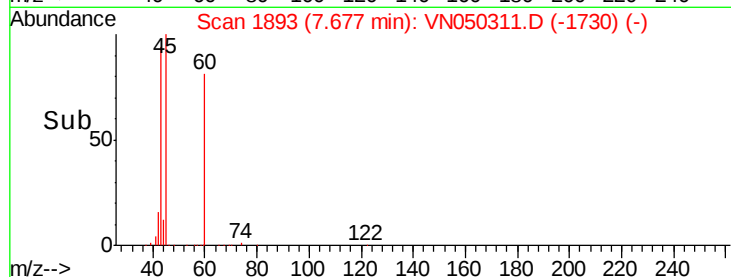
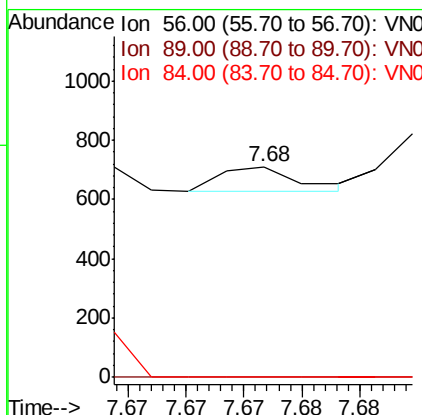
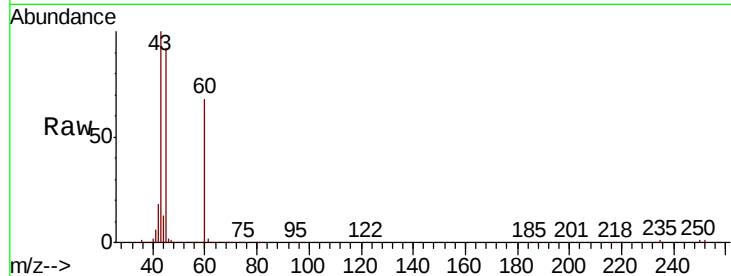
#26
Cyclohexane
Concen: 0.51 ug/l
RT: 7.68 min Scan# 1893
Delta R.T. 0.02 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
56	100		
89	0.0	3.0	4.4#
84	140.5	69.8	104.8#

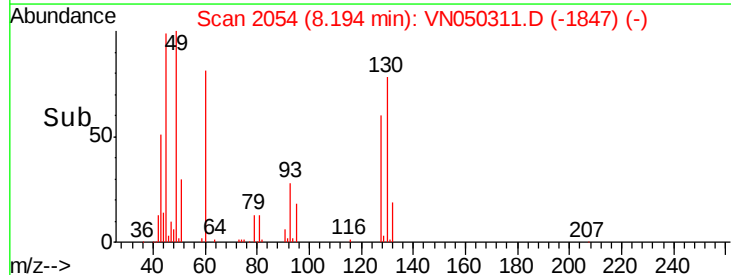
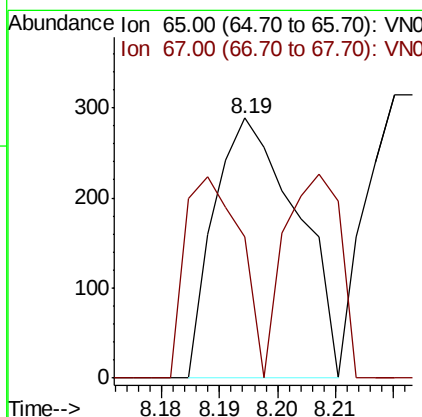
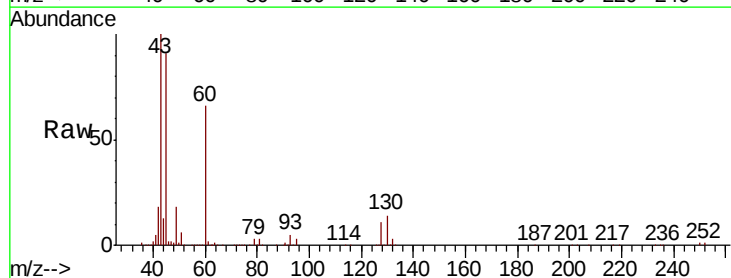
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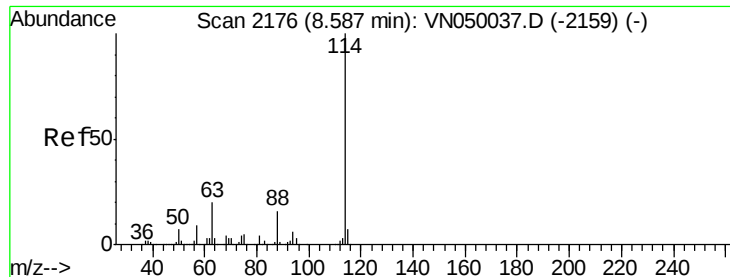
MMDadoda
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#27
1,2-Dichloroethane-d4
Concen: 4.40 ug/l
RT: 8.19 min Scan# 2054
Delta R.T. 0.16 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	42.7	64.1





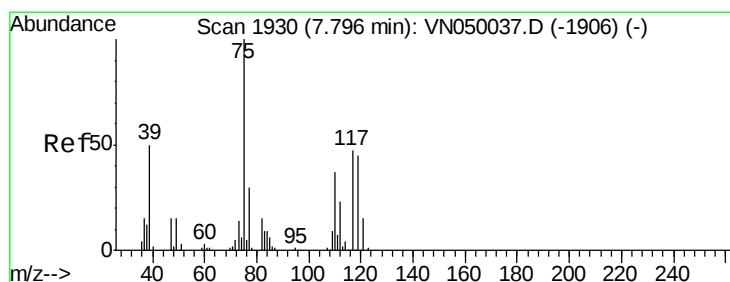
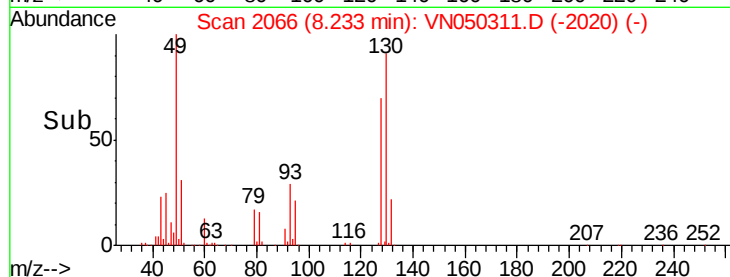
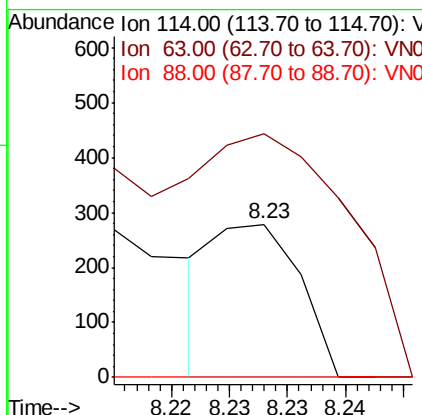
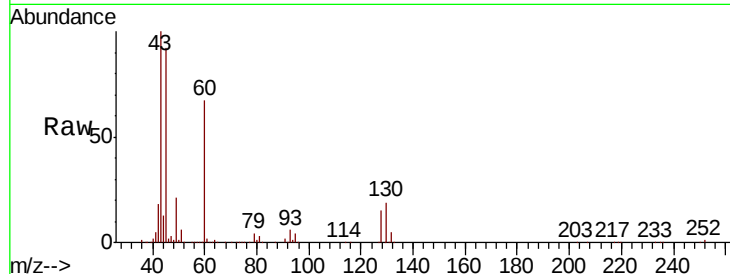
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.23 min Scan# 2066
 Delta R.T. -0.35 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Tot Ion:	114	Resp:	142
Ion	Ratio	Lower	Upper
114	100		
63	297.9	16.2	24.2#
88	0.0	12.3	18.5#

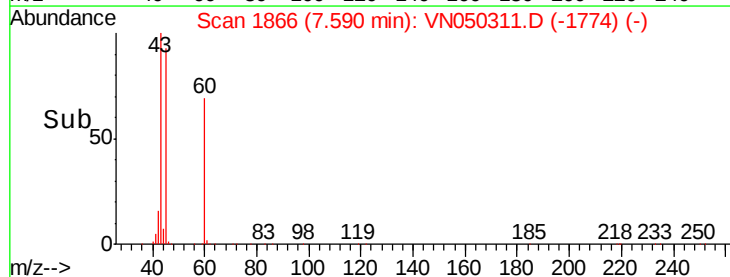
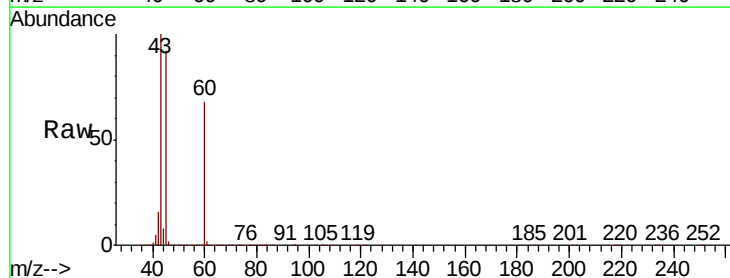
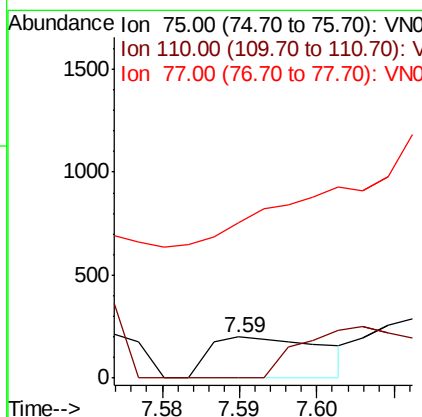
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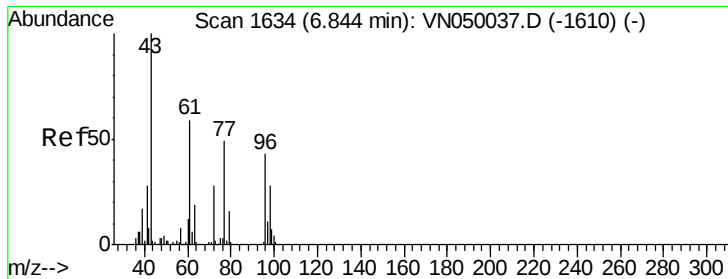
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 8/6/2018 11:38:23 AM



#29
 1,1-Dichloropropene
 Concen: 93.48 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.21 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Tgt Ion:	75	Resp:	206
Ion	Ratio	Lower	Upper
75	100		
110	52.4	0.0	73.2
77	19.4	0.0	62.0





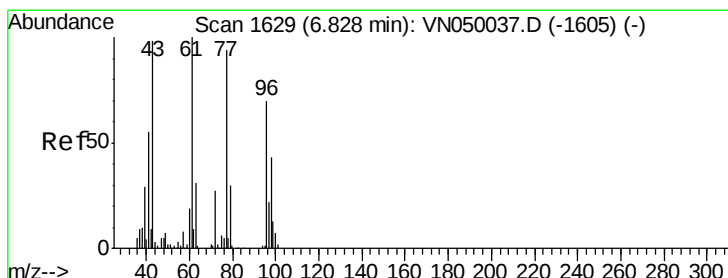
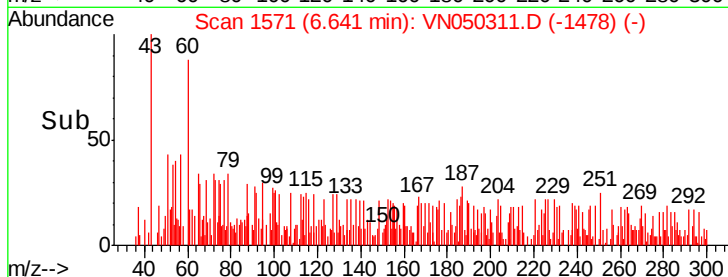
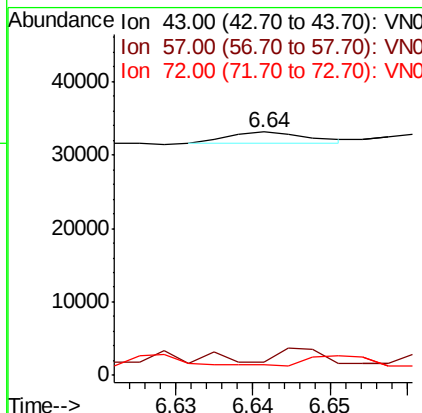
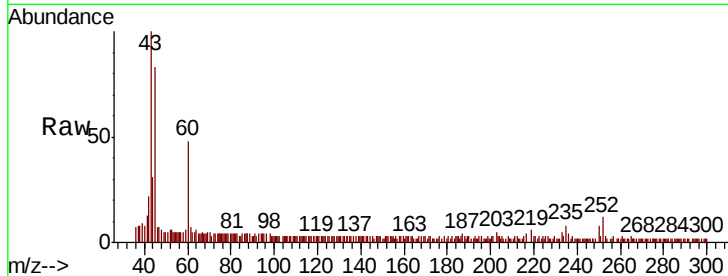
#30
2-Butanone
Concen: 1603.70 ug/l
RT: 6.64 min Scan# 1571
Delta R.T. -0.20 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
43	100		
57	77.6	6.8	10.2#
72	0.0	21.4	32.0#

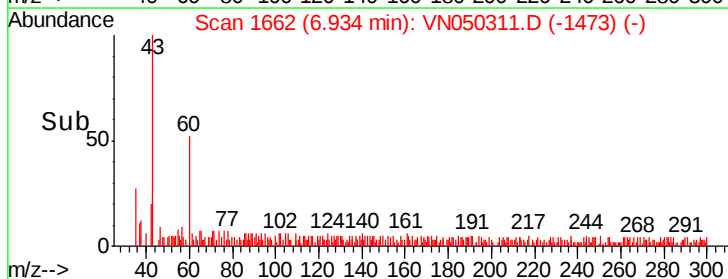
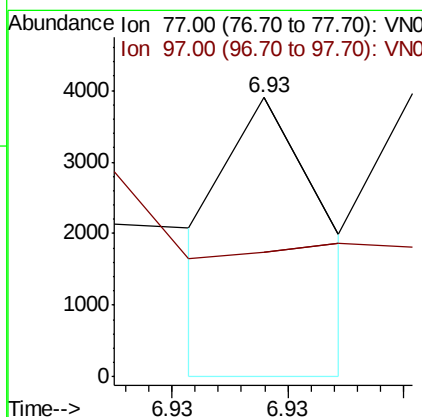
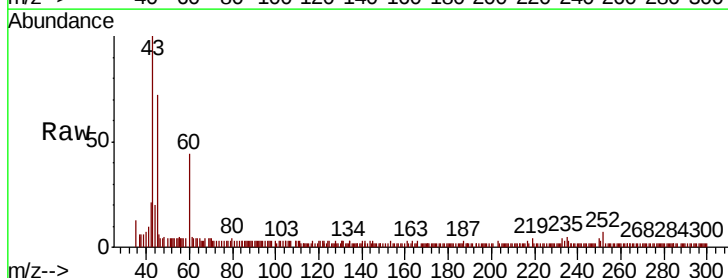
Manual Integrations
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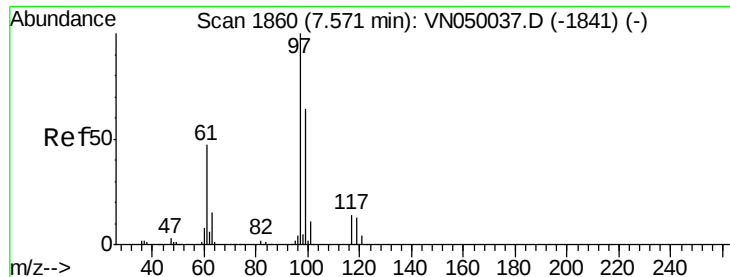
MMDadoda
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#31
2,2-Dichloropropane
Concen: 467.17 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.11 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.9	18.9	28.3





#32

1,1,1-Trichloroethane

Concen: 60.53 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

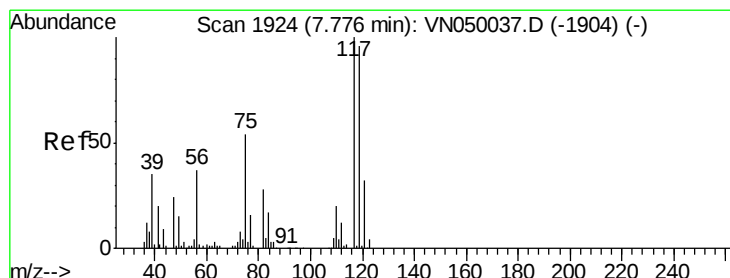
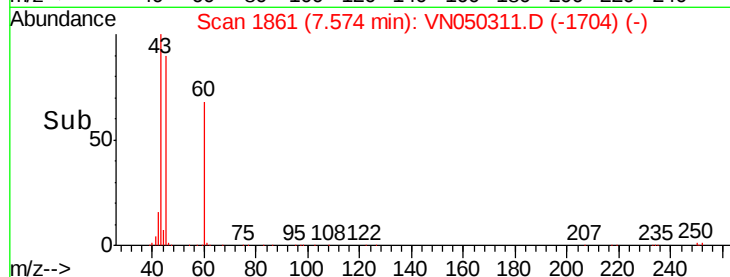
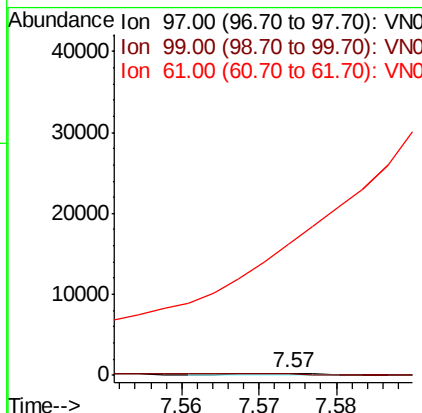
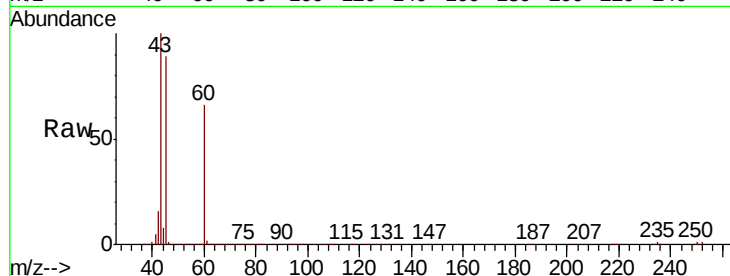
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	97	Resp:	157
Ion	Ratio	Lower	Upper
97	100		
99	121.7	51.2	76.8#
61	0.0	35.3	52.9#

Manual Integrations
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#33

Carbon Tetrachloride

Concen: 172.99 ug/l

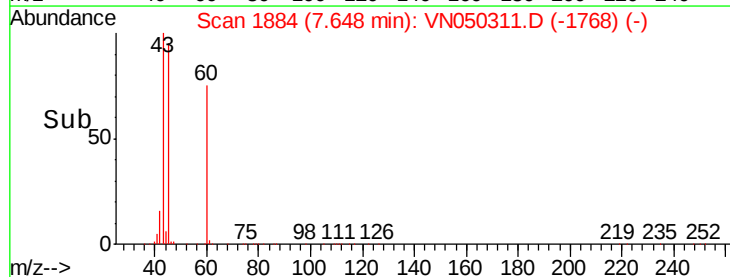
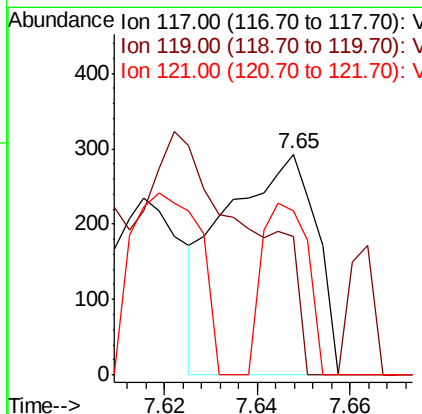
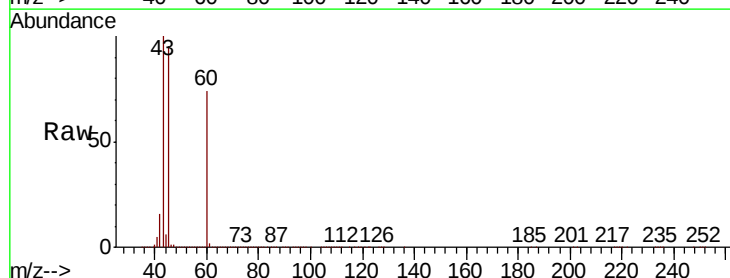
RT: 7.65 min Scan# 1884

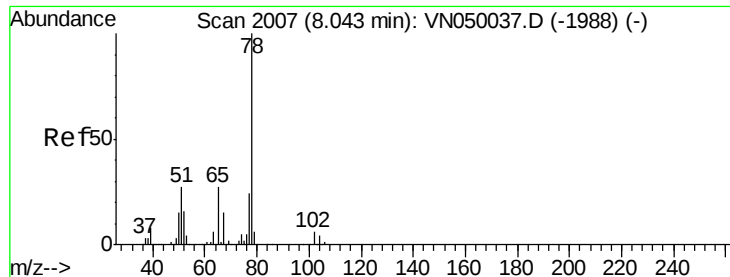
Delta R.T. -0.13 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	117	Resp:	400
Ion	Ratio	Lower	Upper
117	100		
119	62.5	76.9	115.3#
121	18.4	24.4	36.6#





#34

Benzene

Concen: 20.17 ug/l

RT: 8.05 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

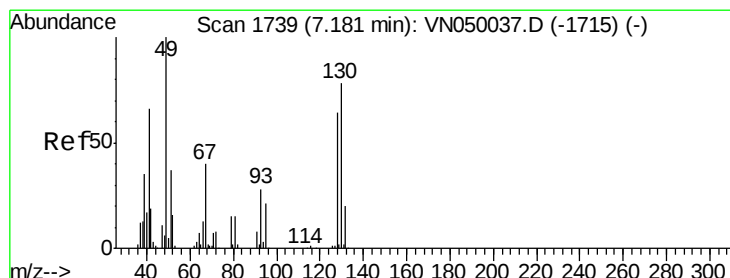
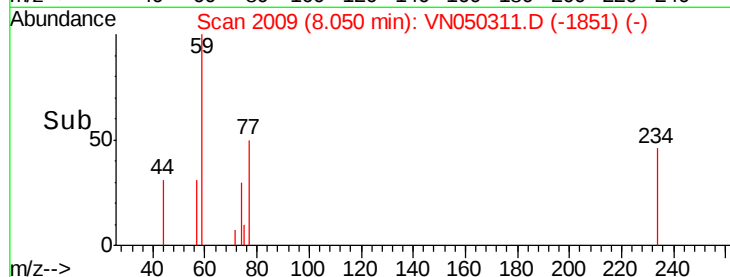
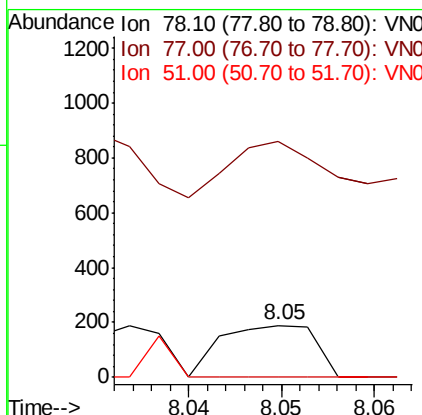
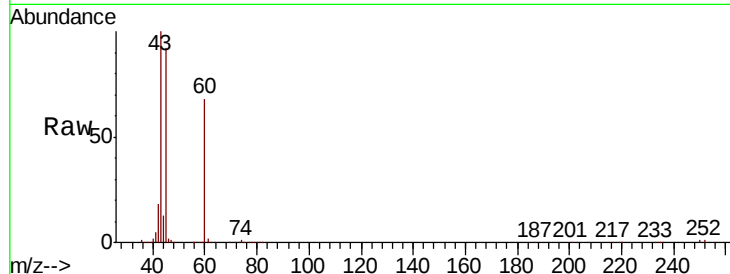
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	78	Resp:	135
Ion	Ratio	Lower	Upper
78	100		
77	106.8	19.1	28.7#
51	0.0	21.0	31.4#

Manual Integrations
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#35

Methacrylonitrile

Concen: 370.86 ug/l

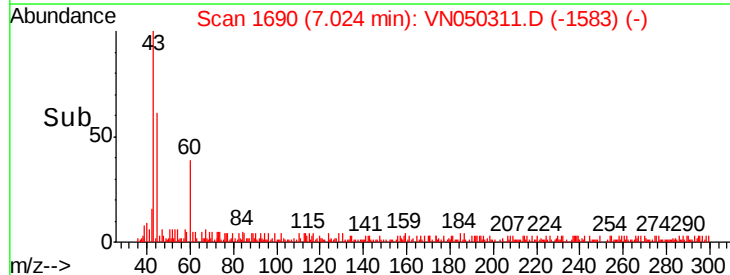
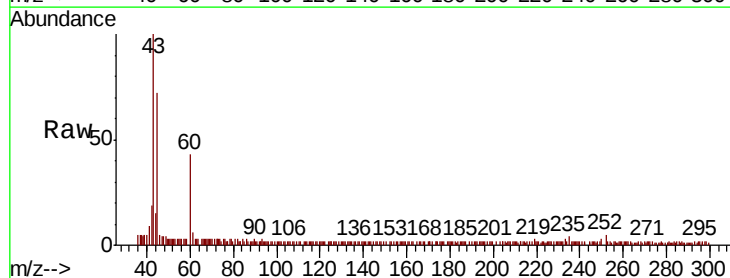
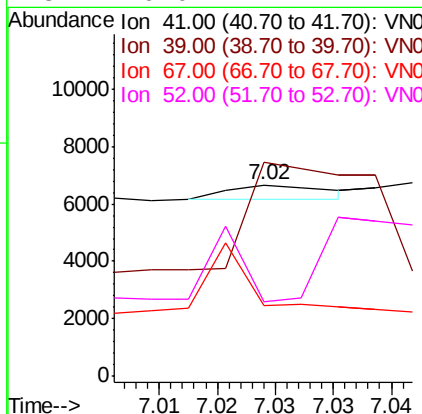
RT: 7.02 min Scan# 1690

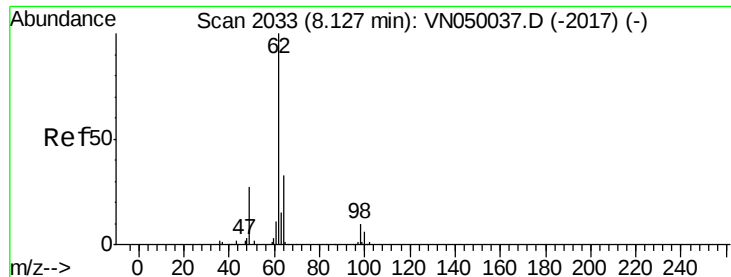
Delta R.T. -0.16 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	41	Resp:	292
Ion	Ratio	Lower	Upper
41	100		
39	751.4	27.6	82.7#
67	5.2	35.1	105.5#
52	0.0	14.1	42.4#





#36

1,2-Dichloroethane

Concen: 6.37 ug/l

RT: 8.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

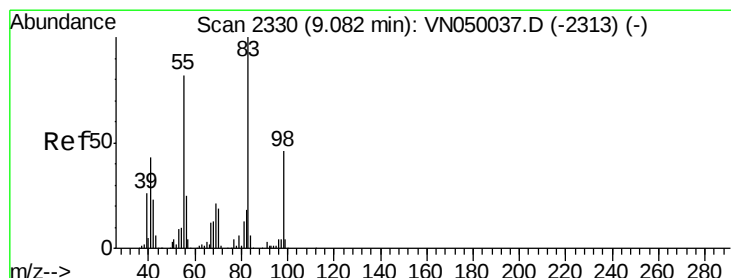
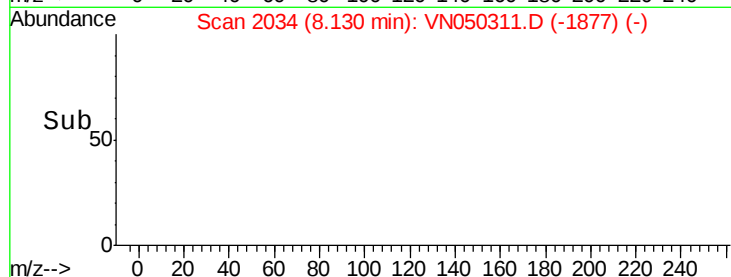
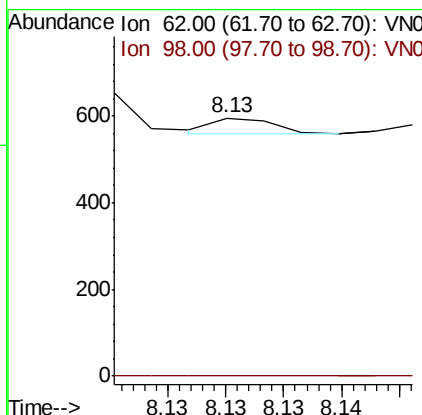
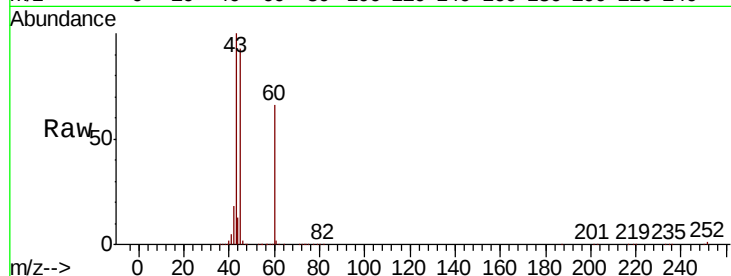
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.8	11.6#

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#38

Methylcyclohexane

Concen: 7323.47 ug/l

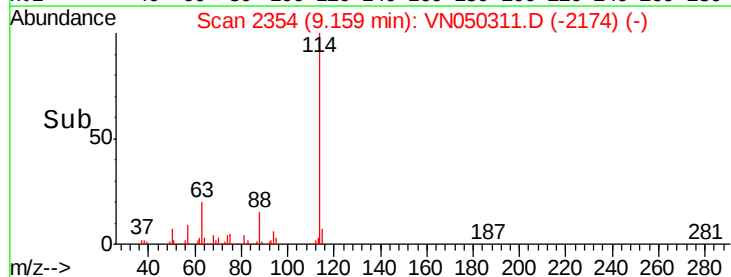
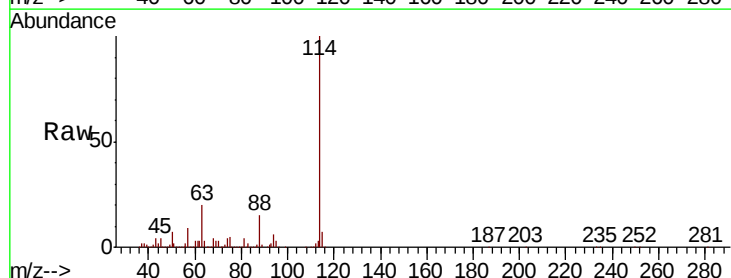
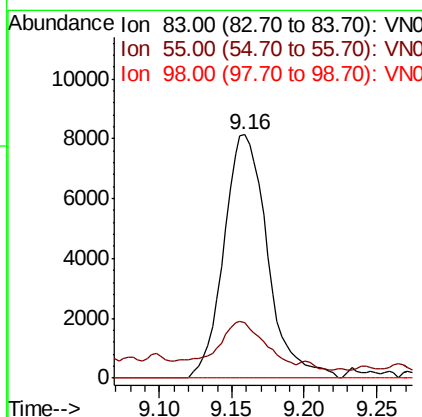
RT: 9.16 min Scan# 2354

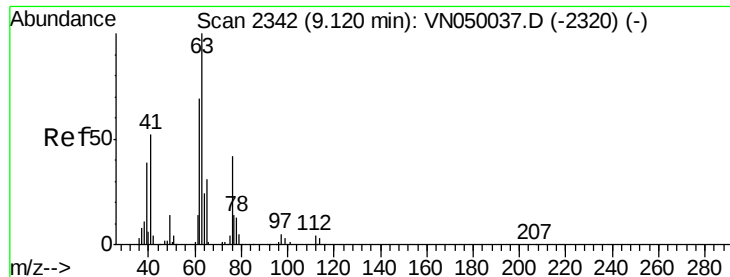
Delta R.T. 0.08 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	15.7	39.3	117.8#
98	0.0	23.0	69.0#





#39

1,2-Dichloropropane

Concen: 95367.55 ug/l

RT: 9.16 min Scan# 2354

Delta R.T. 0.04 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion: 63 Resp: 168138

Ion Ratio Lower Upper

63 100

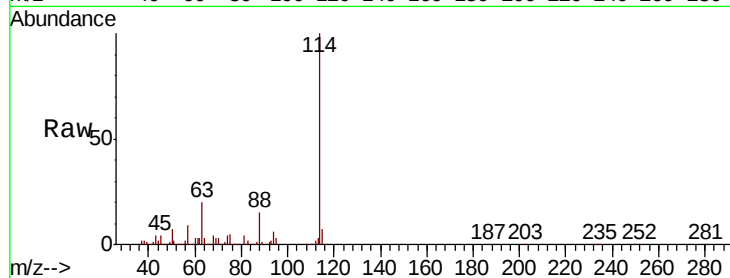
65 0.7 24.2 36.2#

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.16

80000

60000

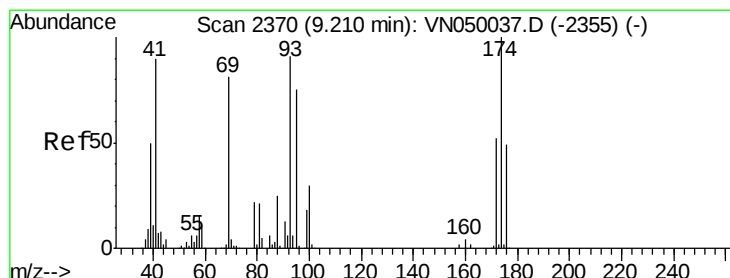
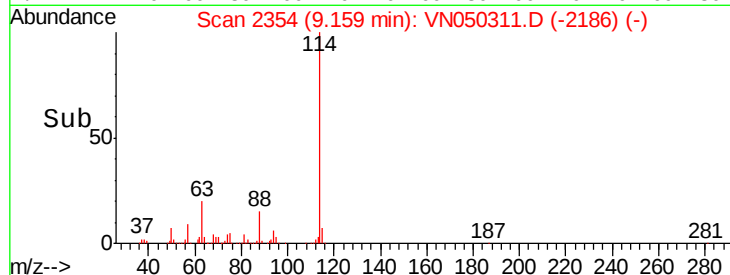
40000

20000

0

9.05 9.10 9.15 9.20 9.25

Time-->



#40

Dibromomethane

Concen: 172.53 ug/l

RT: 9.65 min Scan# 2508

Delta R.T. 0.44 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

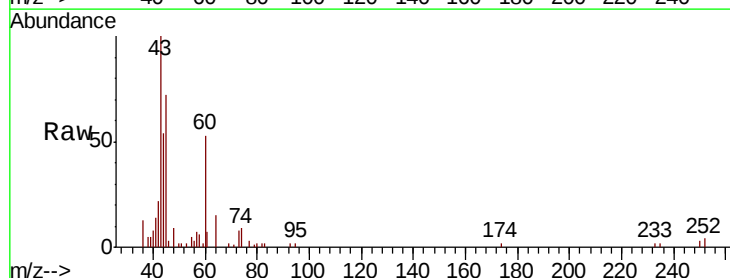
Tgt Ion: 93 Resp: 188

Ion Ratio Lower Upper

93 100

95 85.6 0.0 165.6

174 111.7 0.0 223.2



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

300

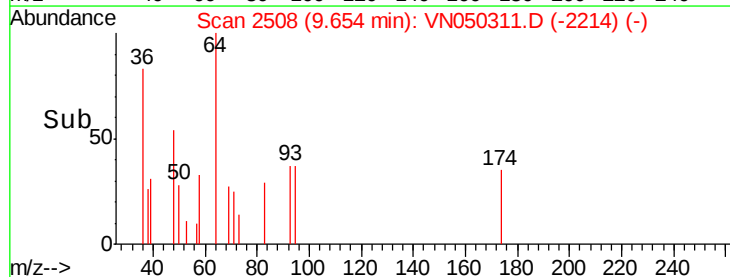
200

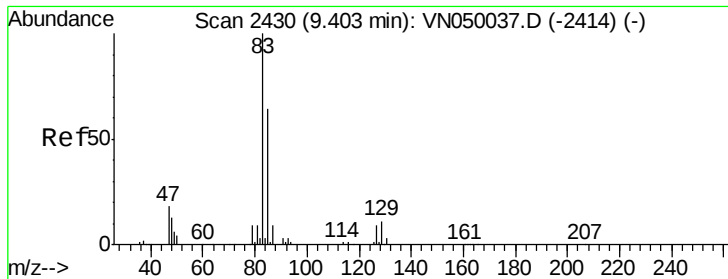
100

0

9.64 9.65 9.66

Time-->





#41

Bromodichloromethane

Concen: 3928.66 ug/l

RT: 9.80 min Scan# 2554

Delta R.T. 0.40 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

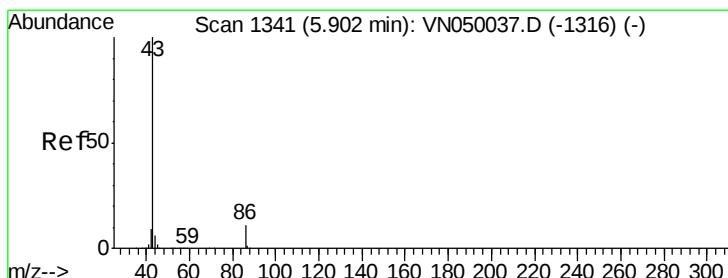
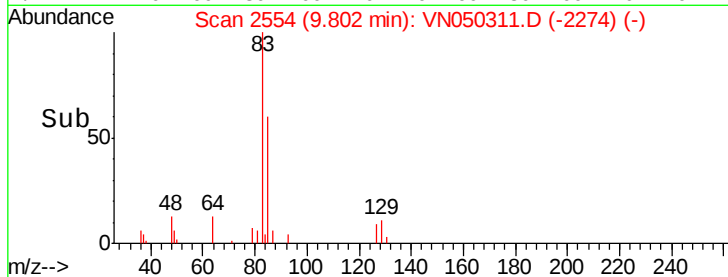
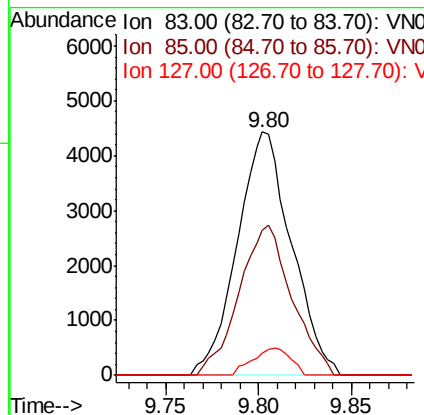
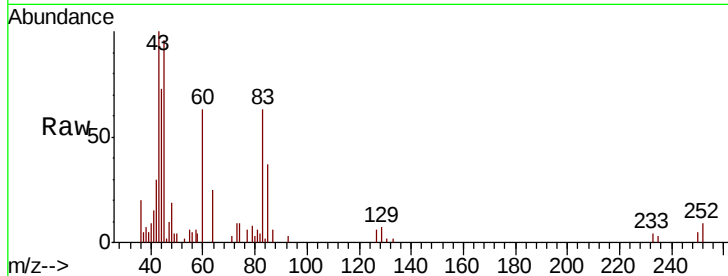
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	83	Resp:	9030
Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.6	78.8
127	9.0	7.0	10.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 711.71 ug/l

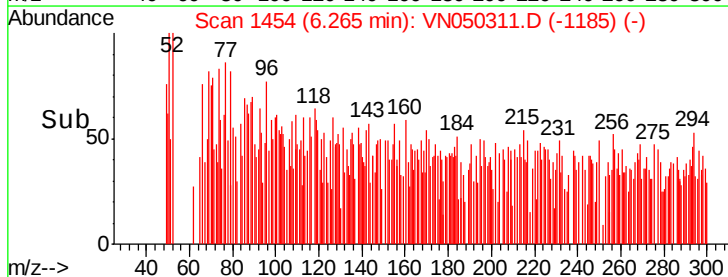
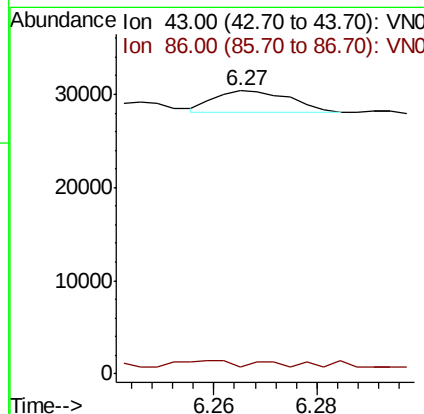
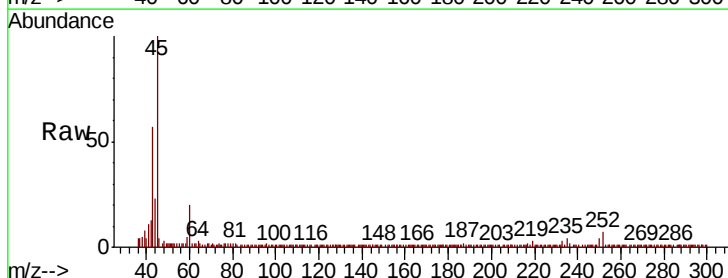
RT: 6.27 min Scan# 1454

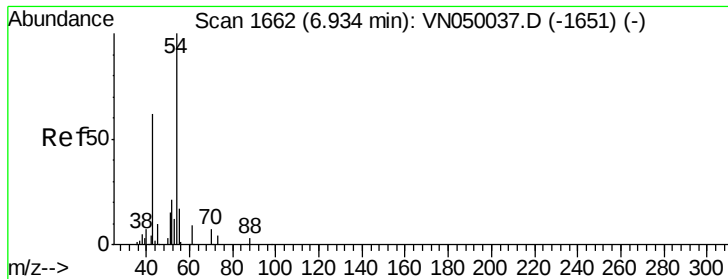
Delta R.T. 0.36 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	43	Resp:	2316
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.3	10.9





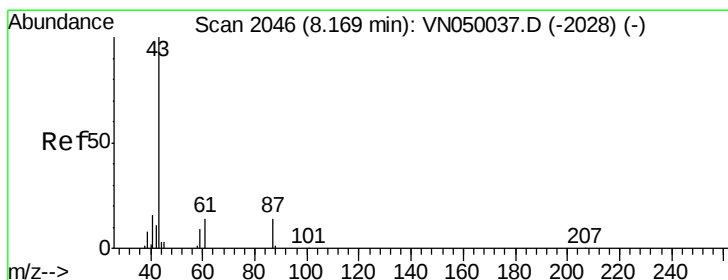
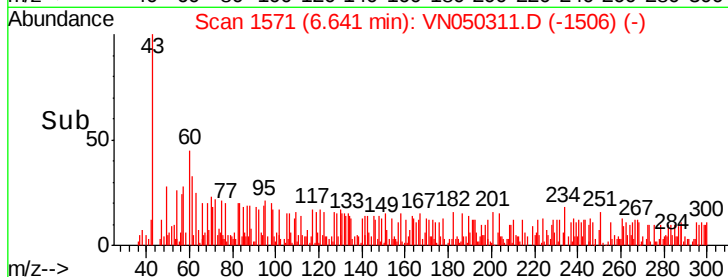
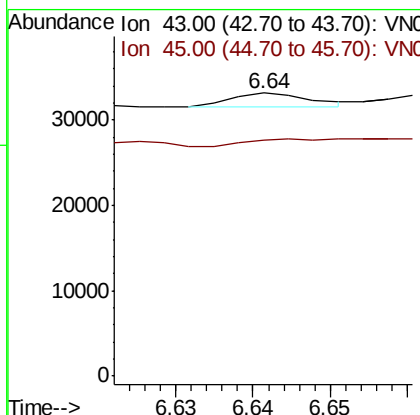
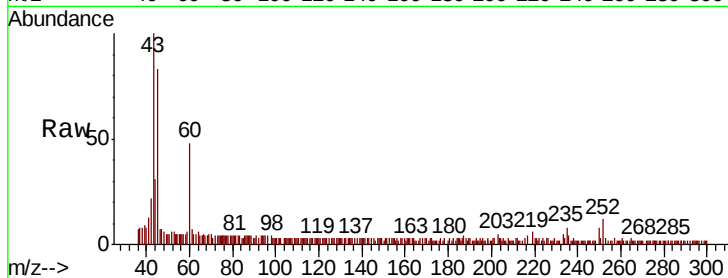
#43
Ethyl Acetate
Concen: 767.99 ug/l
RT: 6.64 min Scan# 1571
Delta R.T. -0.29 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
45 49.4 13.0 19.6#

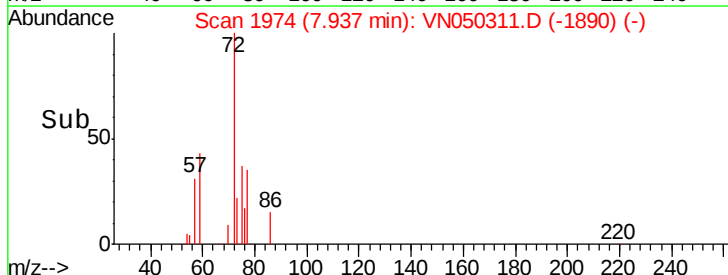
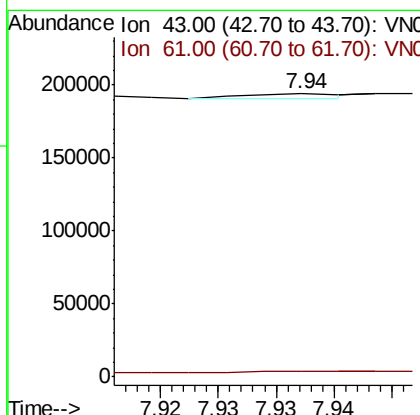
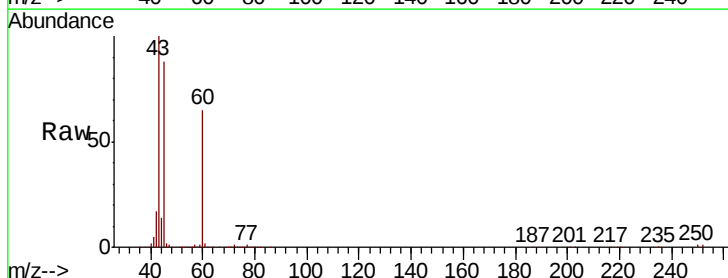
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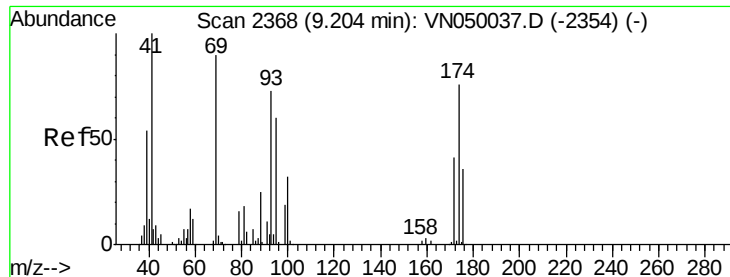
MMDadoda
8/6/2018 11:38:23 AM



#44
Isopropyl Acetate
Concen: 702.06 ug/l
RT: 7.94 min Scan# 1974
Delta R.T. -0.23 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
61 24.1 16.4 24.6





#45

1,4-Dioxane

Concen: 7223491.28 ug/l

RT: 9.16 min Scan# 2354

Delta R.T. -0.04 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

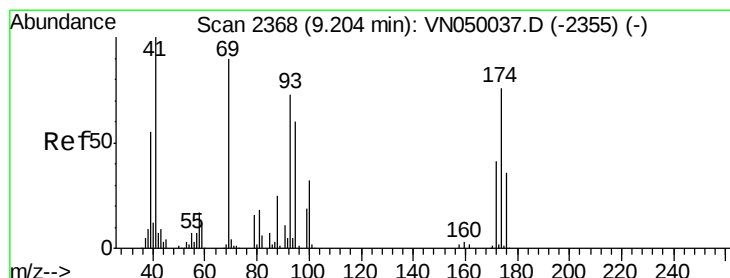
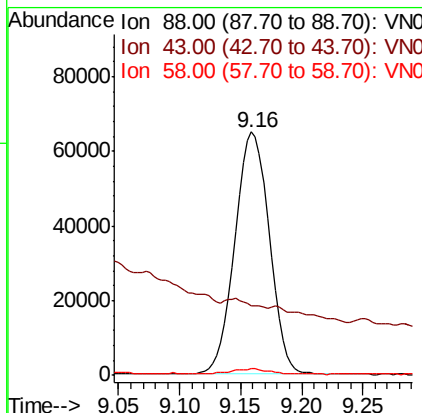
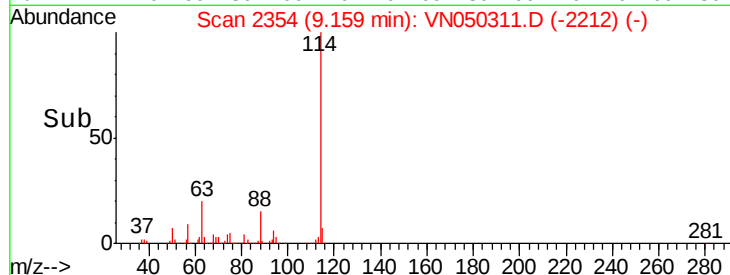
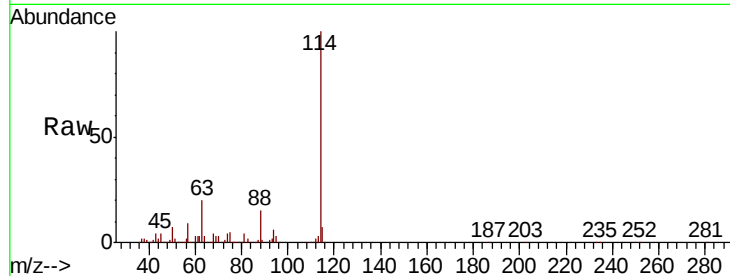
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion	88	Resp	127152
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.9	40.3#
58	2.0	53.6	80.4#

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#46

Methyl methacrylate

Concen: 134.18 ug/l

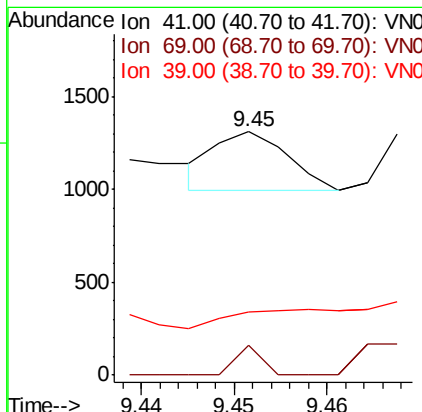
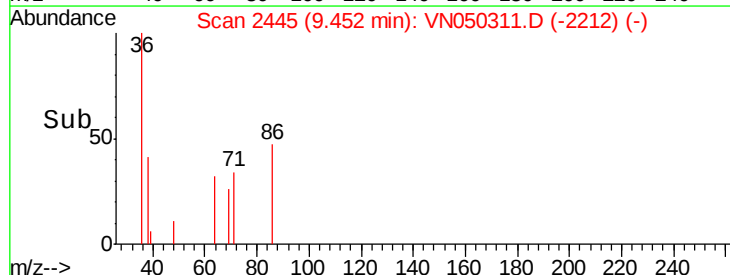
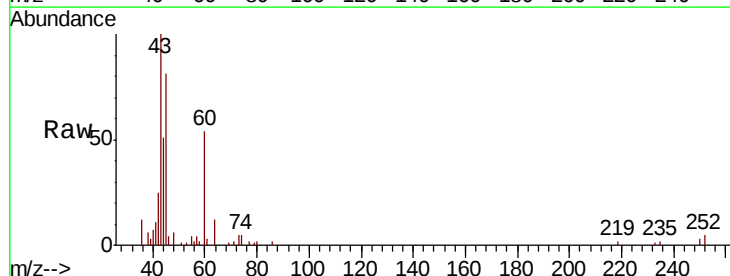
RT: 9.45 min Scan# 2445

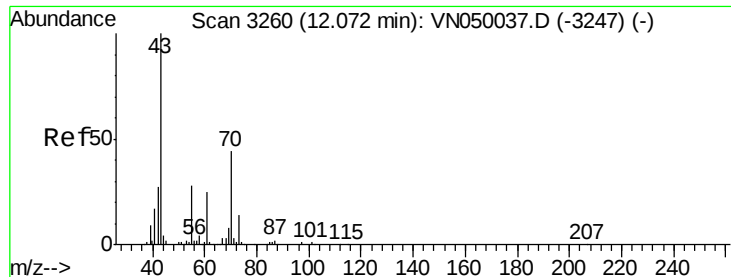
Delta R.T. 0.25 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion	41	Resp	174
Ion	Ratio	Lower	Upper
41	100		
69	51.3	44.0	132.1
39	27.0	27.0	80.8





#47

n-amvl Acetate

Concen: 221.48 ug/l

RT: 12.30 min Scan# 3330

Delta R.T. 0.23 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion: 43 Resp: 461

Ion Ratio Lower Upper

43 100

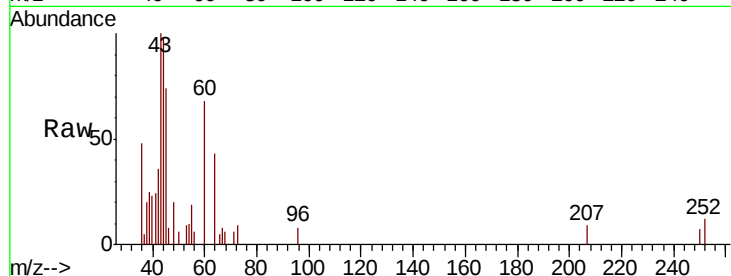
55 30.2 21.0 31.4

Manual Integrations

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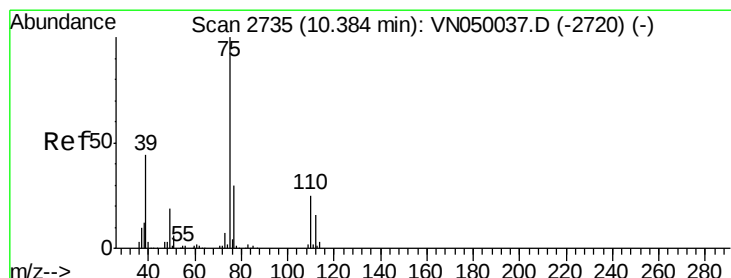
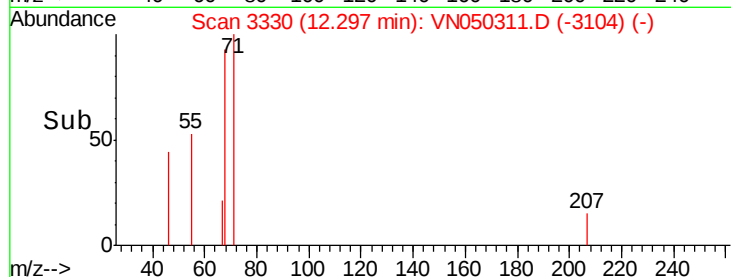
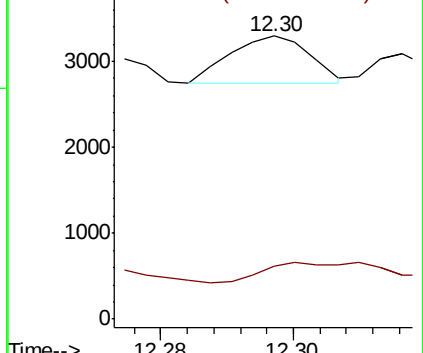
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 339.59 ug/l

RT: 10.61 min Scan# 2805

Delta R.T. 0.23 min

Lab File: VN050311.D

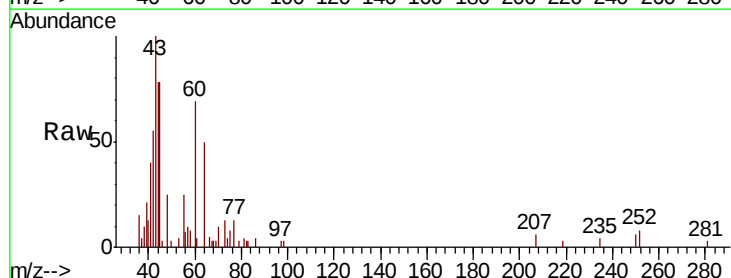
Acq: 3 Aug 2018 14:24

Tgt Ion: 75 Resp: 744

Ion Ratio Lower Upper

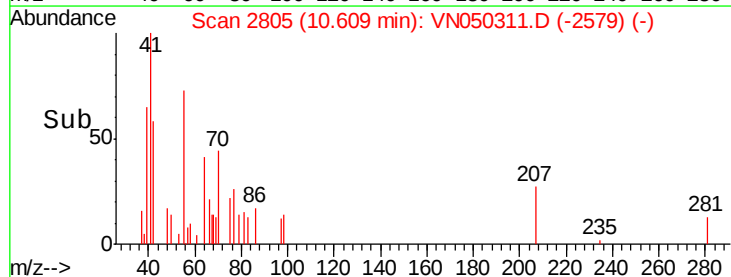
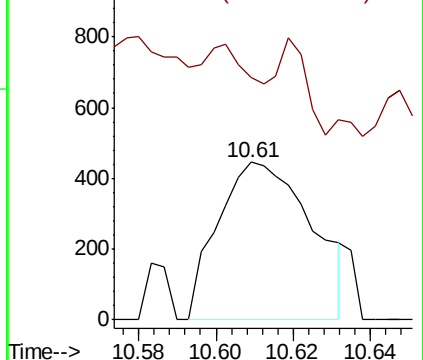
75 100

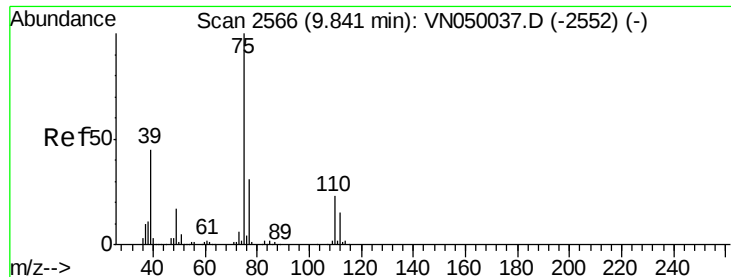
77 27.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





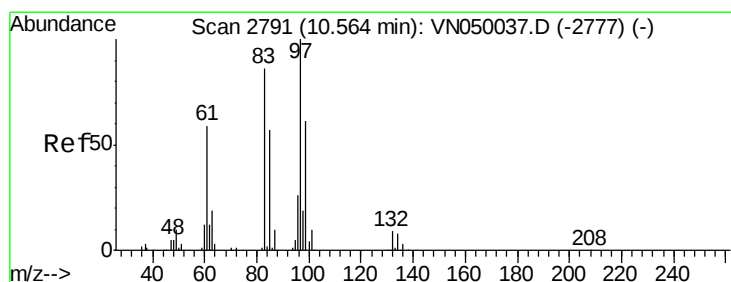
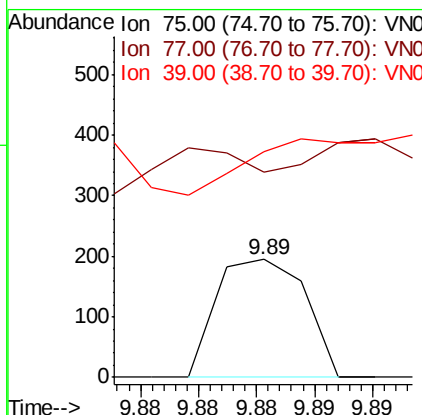
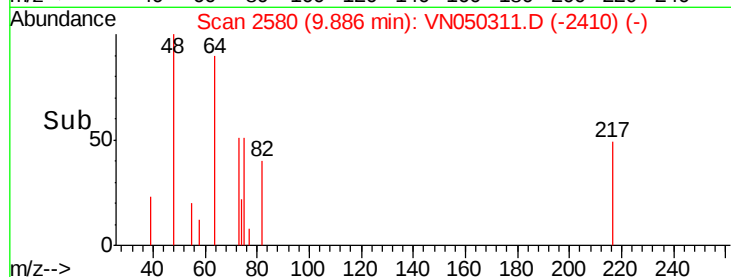
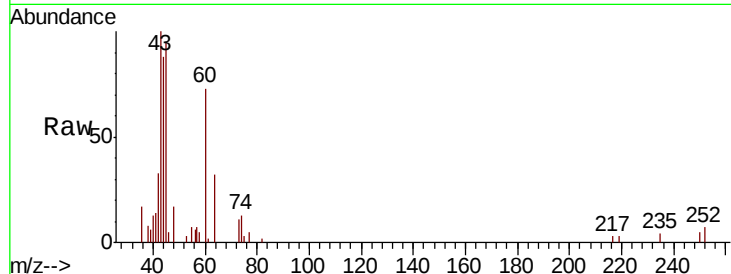
#49
 cis-1,3-Dichloropropene
 Concen: 40.01 ug/l
 RT: 9.89 min Scan# 2580
 Delta R.T. 0.05 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.7	38.5#
39	37.4	36.3	54.5

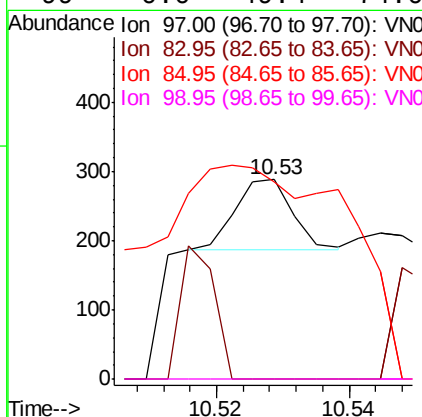
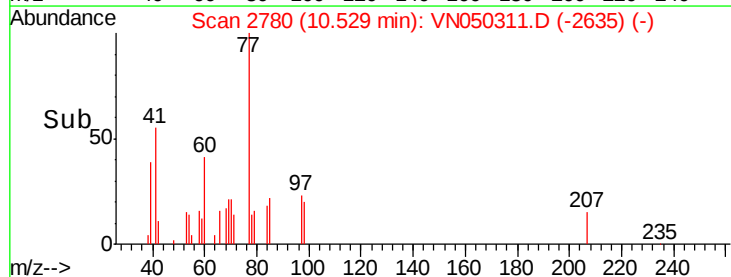
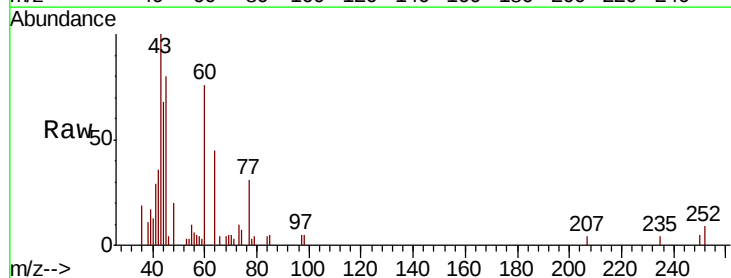
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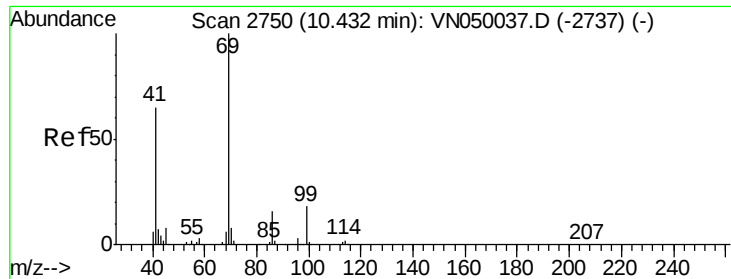
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#50
 1,1,2-Trichloroethane
 Concen: 38.36 ug/l
 RT: 10.53 min Scan# 2780
 Delta R.T. -0.04 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	16.0	45.4	68.2#
99	0.0	49.4	74.0#





#51

Ethyl methacrylate

Concen: 2209.20 ug/l

RT: 10.39 min Scan# 2736

Delta R.T. -0.04 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

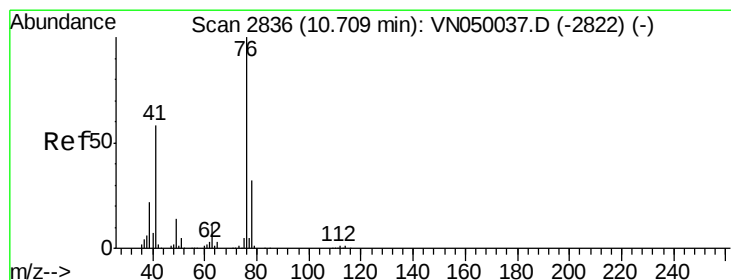
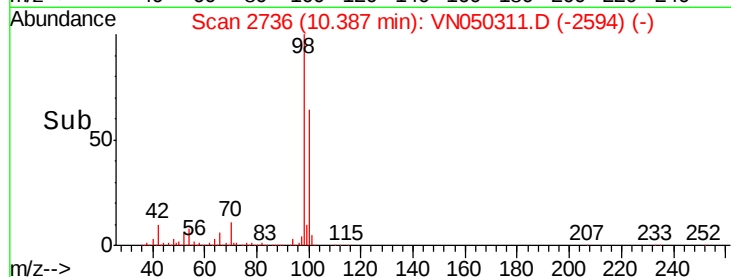
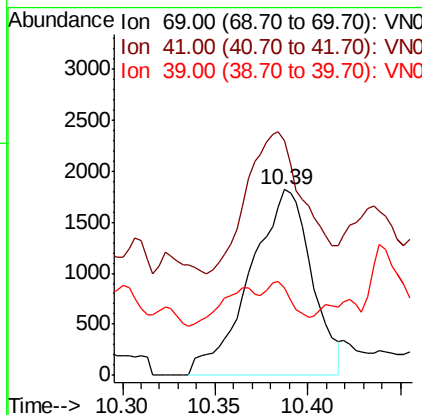
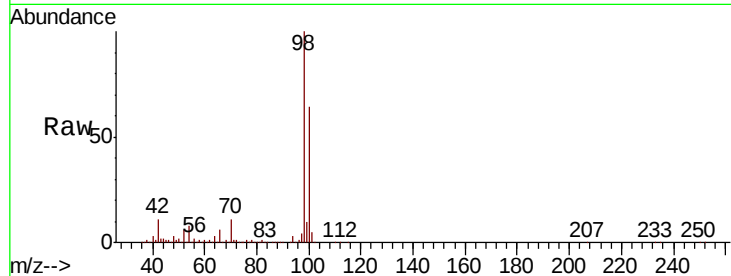
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	69	Resp:	4194
Ion	Ratio	Lower	Upper
69	100		
41	67.3	31.9	95.9
39	20.5	16.7	50.1

Manual Integrations
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8/6/2018 11:38:23 AM



#52

1,3-Dichloropropane

Concen: 114.47 ug/l

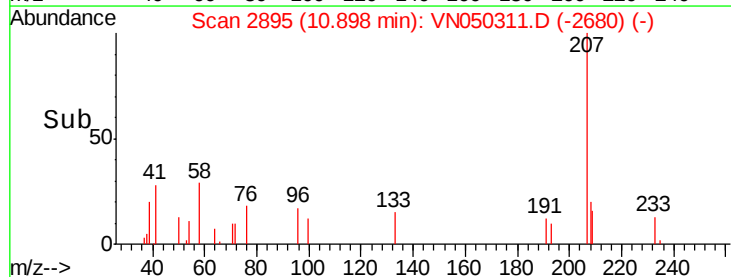
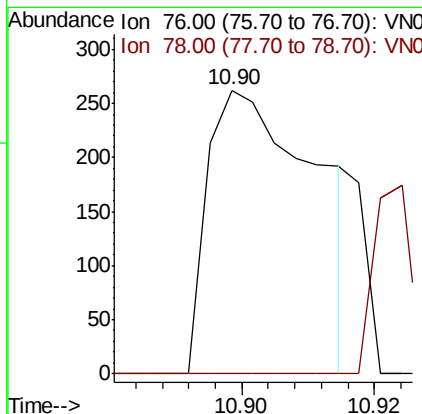
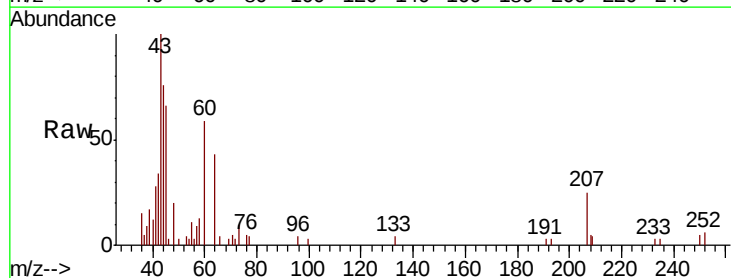
RT: 10.90 min Scan# 2895

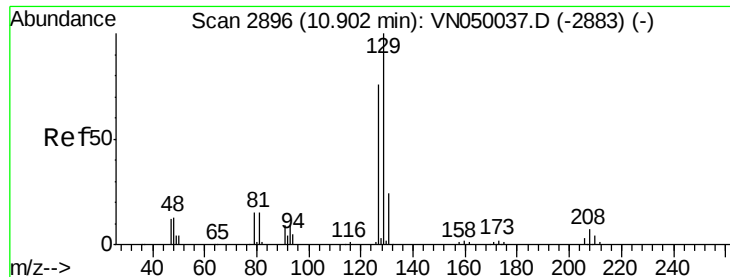
Delta R.T. 0.19 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	76	Resp:	294
Ion	Ratio	Lower	Upper
76	100		
78	22.1	0.0	65.6





#53

Dibromochloromethane

Concen: 1549.27 ug/l

RT: 11.08 min Scan# 2951

Delta R.T. 0.18 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:129 Resp: 2750

Ion Ratio Lower Upper

129 100

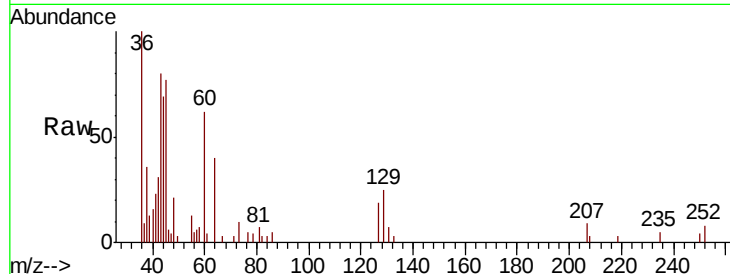
127 71.7 38.1 114.5

Manual Integrations

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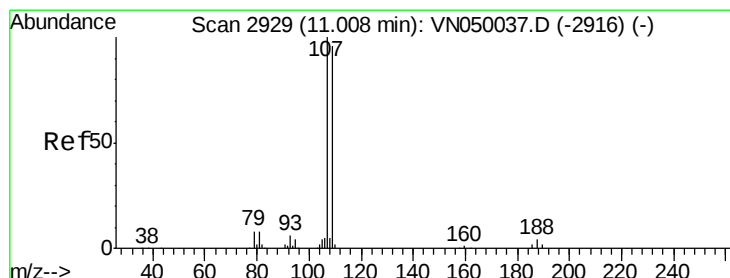
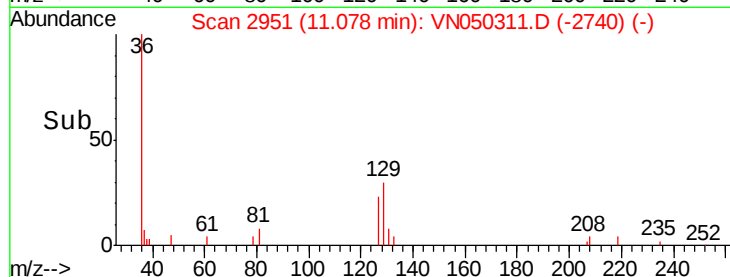
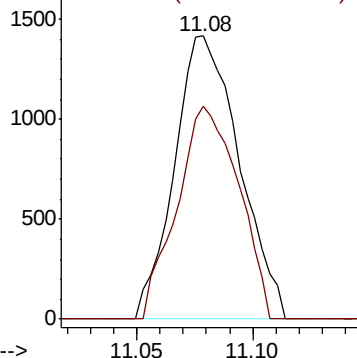
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.89 ug/l

RT: 11.18 min Scan# 2983

Delta R.T. 0.17 min

Lab File: VN050311.D

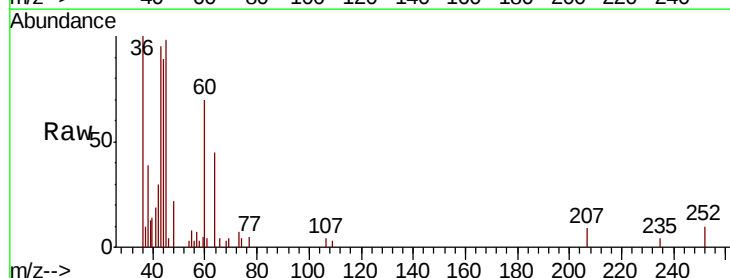
Acq: 3 Aug 2018 14:24

Tgt Ion:107 Resp: 32

Ion Ratio Lower Upper

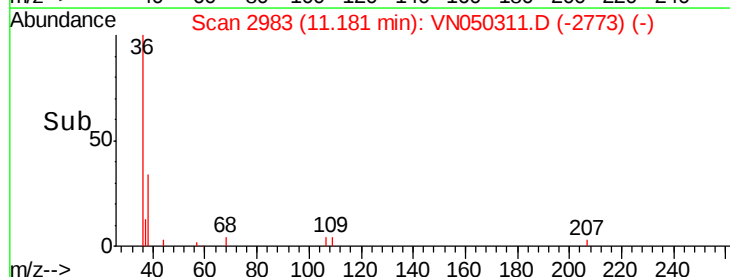
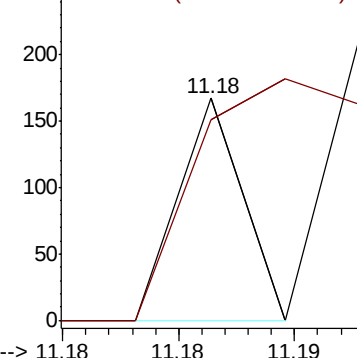
107 100

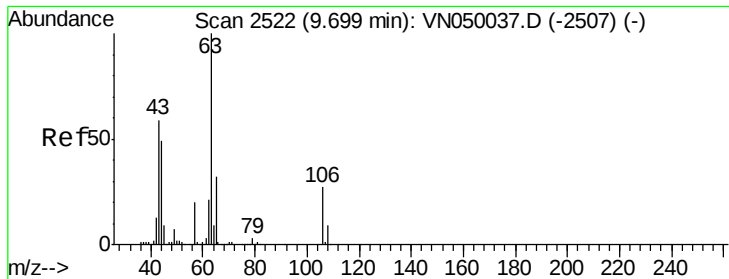
109 0.0 76.2 114.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 75.65 ug/l

RT: 9.59 min Scan# 2489

Delta R.T. -0.11 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

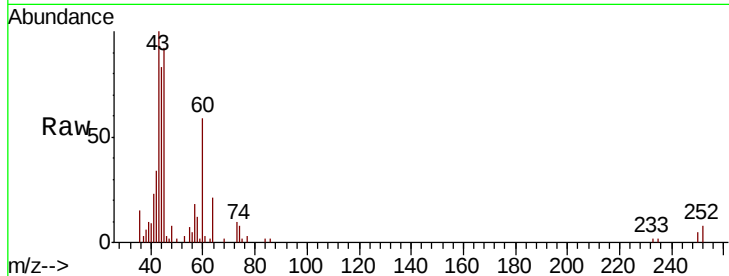
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	63	Resp:	65
Ion	Ratio	Lower	Upper
63	100		
65	152.3	25.5	38.3#
106	0.0	21.8	32.6#

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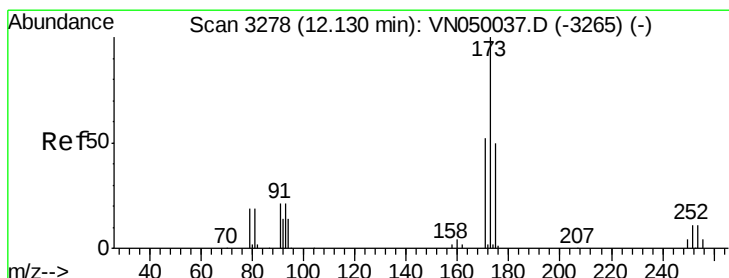
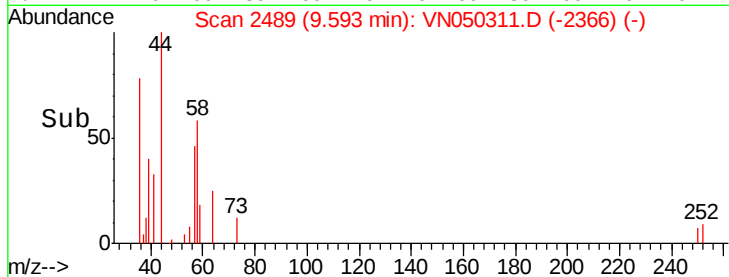
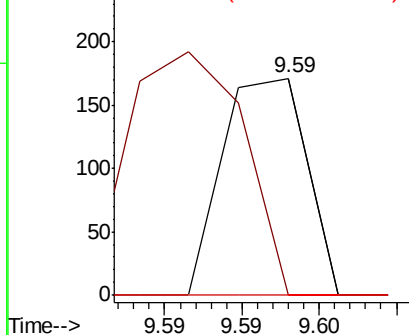


Abundance

Ion 63.00 (62.70 to 63.70): VN050037.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050037.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050037.D (-2507) (-)



#56

Bromoform

Concen: 2506.02 ug/l

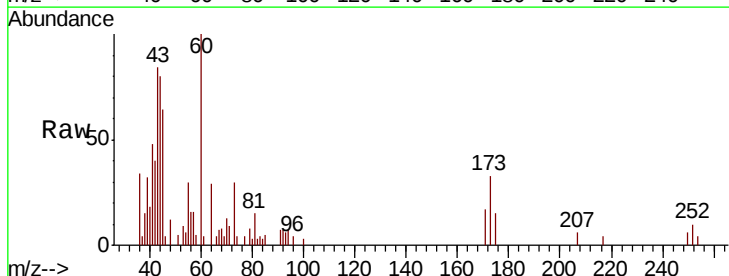
RT: 12.21 min Scan# 3302

Delta R.T. 0.08 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	173	Resp:	3141
Ion	Ratio	Lower	Upper
173	100		
175	45.0	38.6	57.8
254	5.6	8.8	13.2#

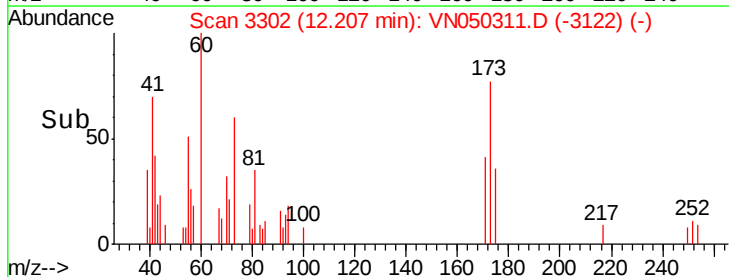
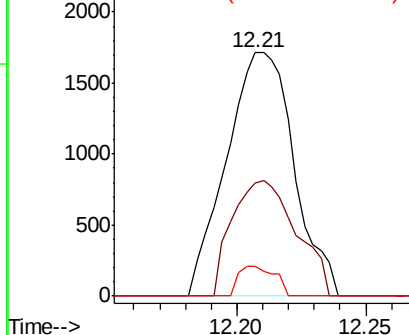


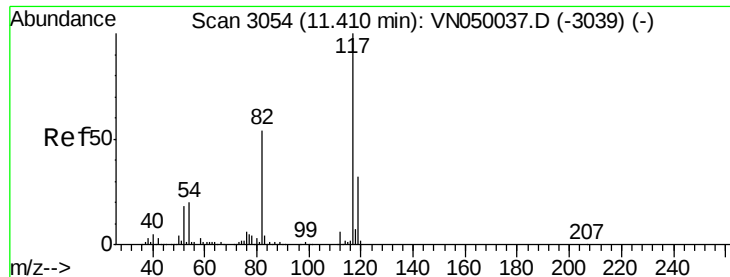
Abundance

Ion 173.00 (172.70 to 173.70): VN050037.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050037.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050037.D (-3265) (-)





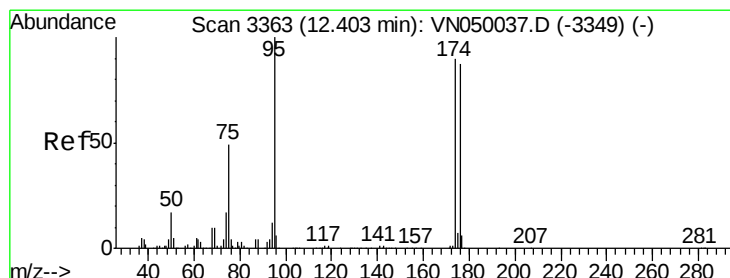
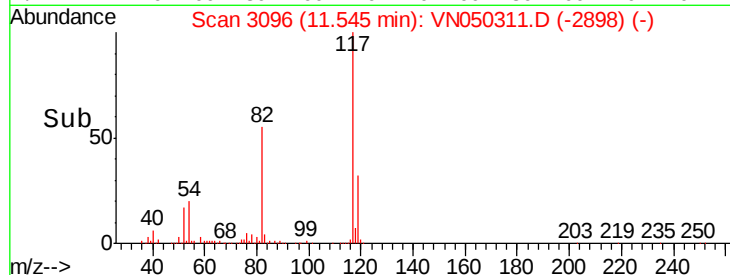
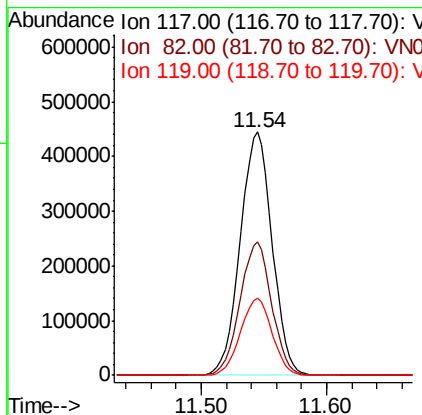
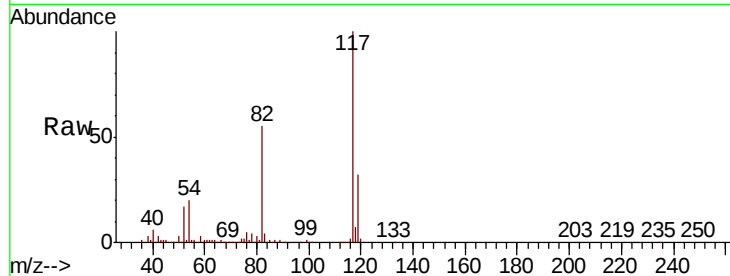
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.54 min Scan# 3096
Delta R.T. 0.14 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Instrument :
MSVOA_N
ClientSampleId :
DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.4	63.6
119	31.5	25.4	38.0

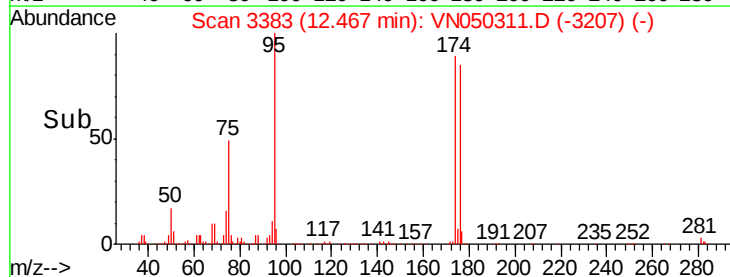
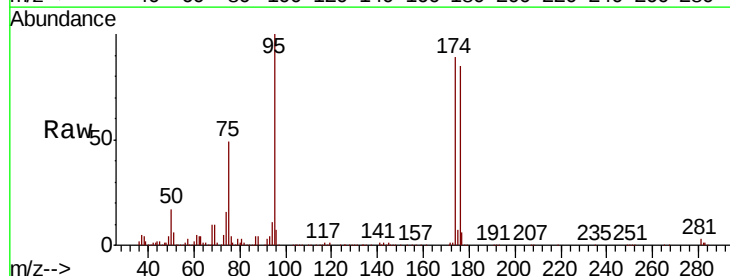
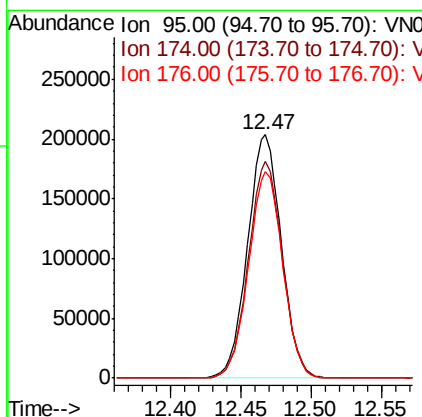
Manual Integrations
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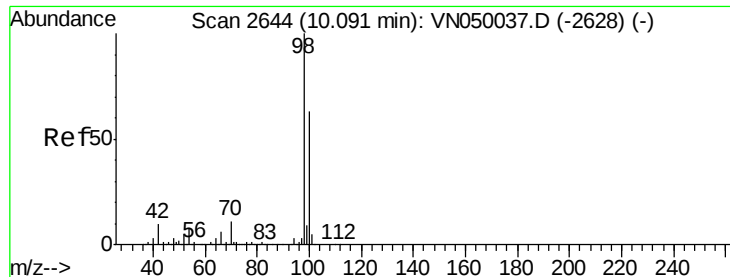
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#60
4-Bromofluorobenzene
Concen: 28.27 ug/l
RT: 12.47 min Scan# 3383
Delta R.T. 0.06 min
Lab File: VN050311.D
Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	72.3	108.5
176	85.7	70.0	105.0





#63

Toluene-d8

Concen: 25.48 ug/l

RT: 10.38 min Scan# 2733

Delta R.T. 0.29 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion: 98 Resp: 956843

Ion Ratio Lower Upper

98 100

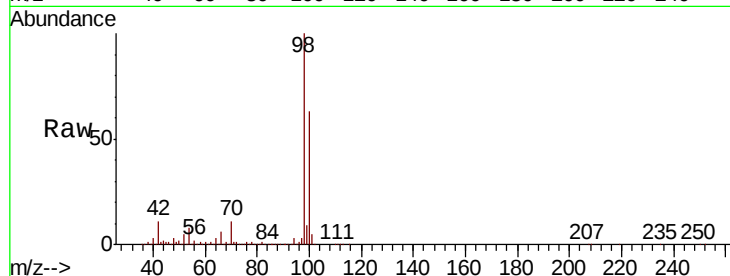
100 63.3 51.2 76.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN050037.D

Ion 100.00 (99.70 to 100.70): VN050037.D

10.38

600000

500000

400000

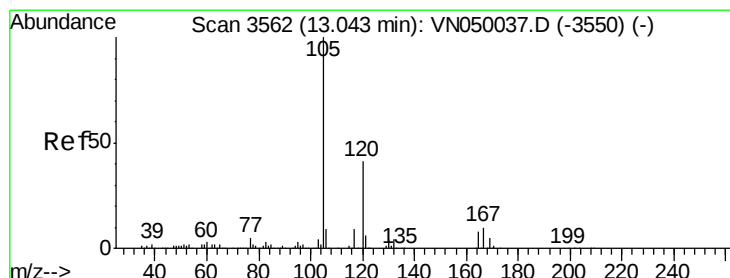
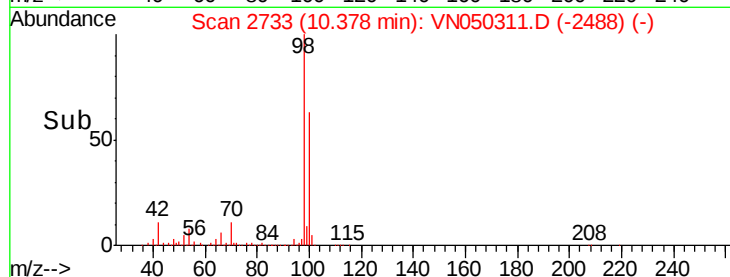
300000

200000

100000

0

Time-->



#80

1,2,4-Trimethylbenzene

Concen: 0.39 ug/l

RT: 13.09 min Scan# 3576

Delta R.T. 0.05 min

Lab File: VN050311.D

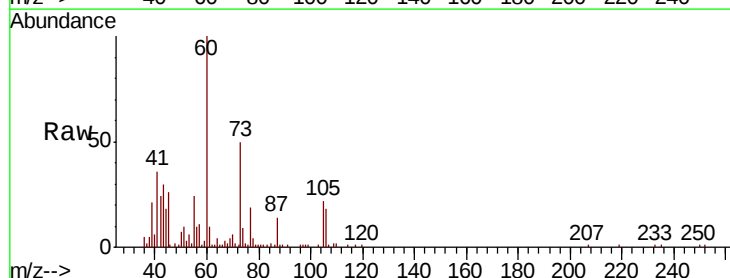
Acq: 3 Aug 2018 14:24

Tgt Ion:105 Resp: 14647

Ion Ratio Lower Upper

105 100

120 1.9 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D

Ion 120.00 (119.70 to 120.70): VN050037.D

13.09

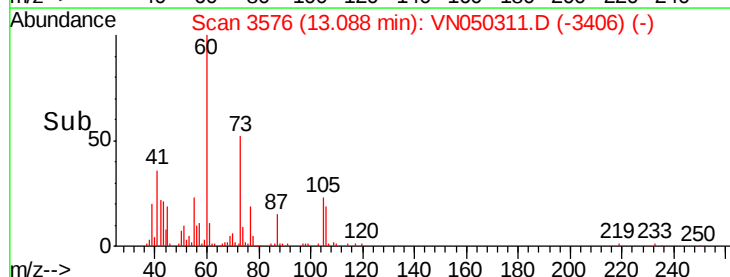
6000

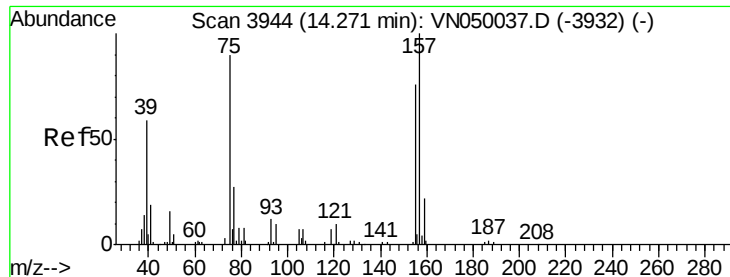
4000

2000

0

Time-->





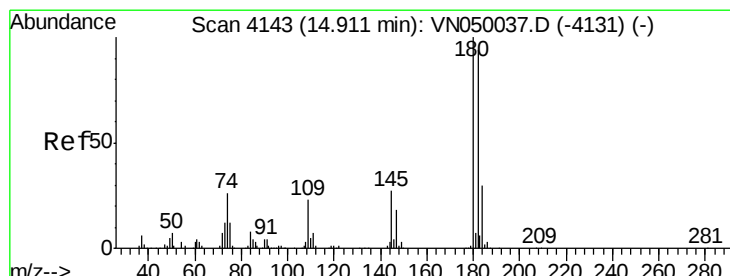
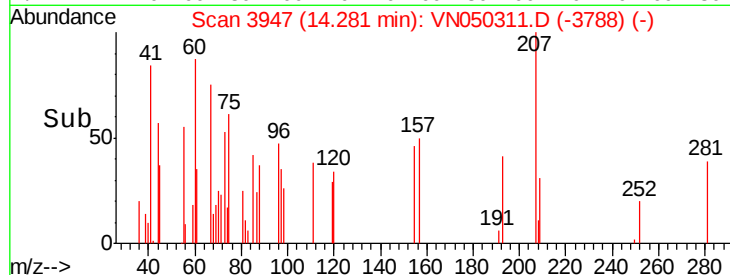
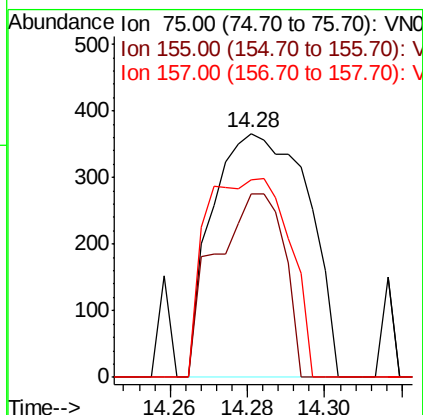
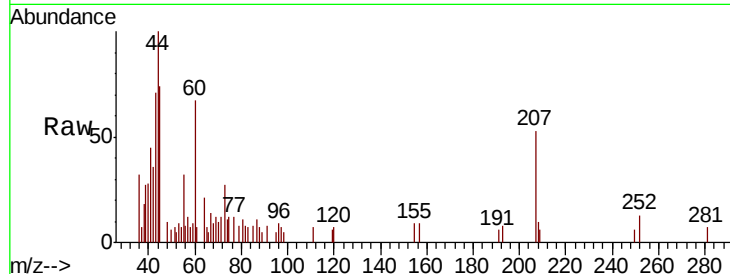
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.33 ug/l
 RT: 14.28 min Scan# 3947
 Delta R.T. 0.01 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Tot Ion	Ratio	Lower	Upper
75	100		
155	36.9	73.0	109.6#
157	33.3	94.9	142.3#

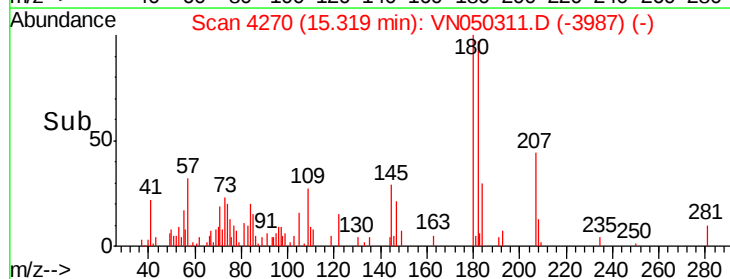
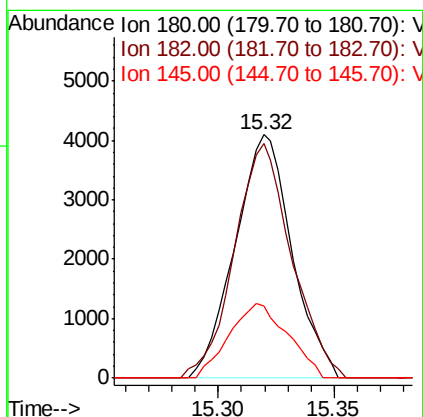
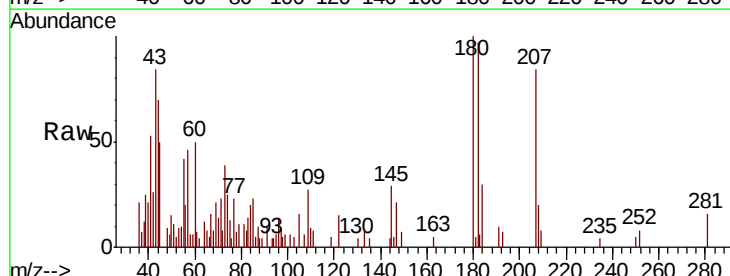
Manual Integrations
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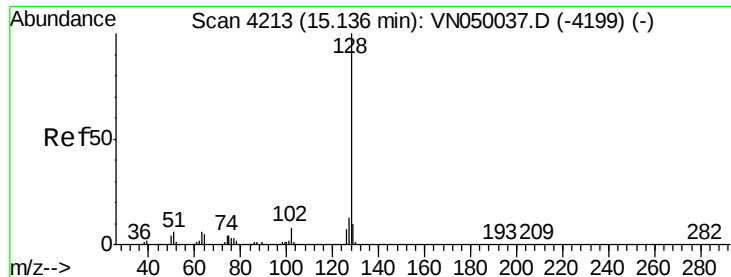
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 8/6/2018 11:38:23 AM



#89
 1,2,4-Trichlorobenzene
 Concen: 0.72 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.41 min
 Lab File: VN050311.D
 Acq: 3 Aug 2018 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
145	31.5	23.4	35.0





#91

Naphthalene

Concen: 9.11 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Instrument :

MSVOA_N

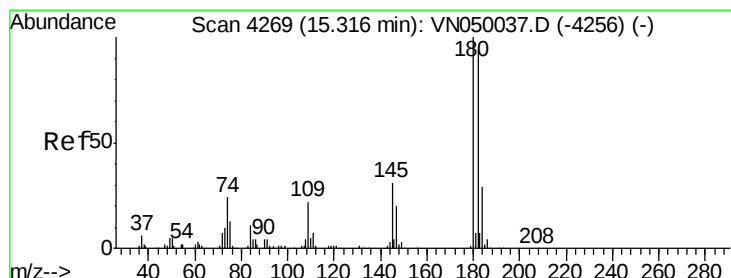
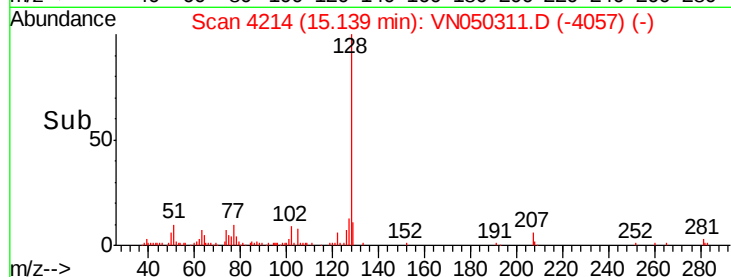
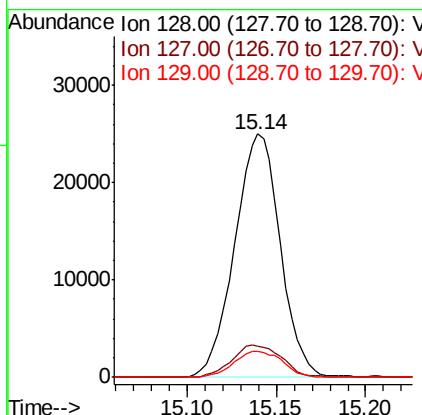
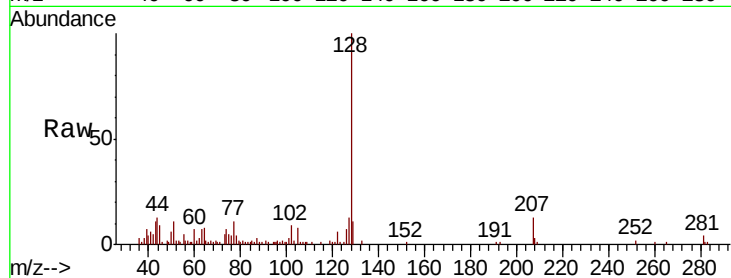
ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion:	128	Resp:	44652
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.2	15.4
129	11.3	9.0	13.4

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 0.71 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050311.D

Acq: 3 Aug 2018 14:24

Tgt Ion:	180	Resp:	6969
Ion Ratio	Lower	Upper	
180	100		
182	96.9	0.0	188.8
145	31.5	0.0	60.8

