

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
 Data File : VN057207.D
 Acq On : 12 Aug 2019 11:23
 Operator : JC/SP
 Sample : K4221-02DL 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN-002-SEWER-OUTLET-02DL

Quant Time: Aug 13 01:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	168879	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	869103	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	667365	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	326682	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.92	95	199146	20.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	66.80%
63) Toluene-d8	9.56	98	1009138	32.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.20%

Target Compounds

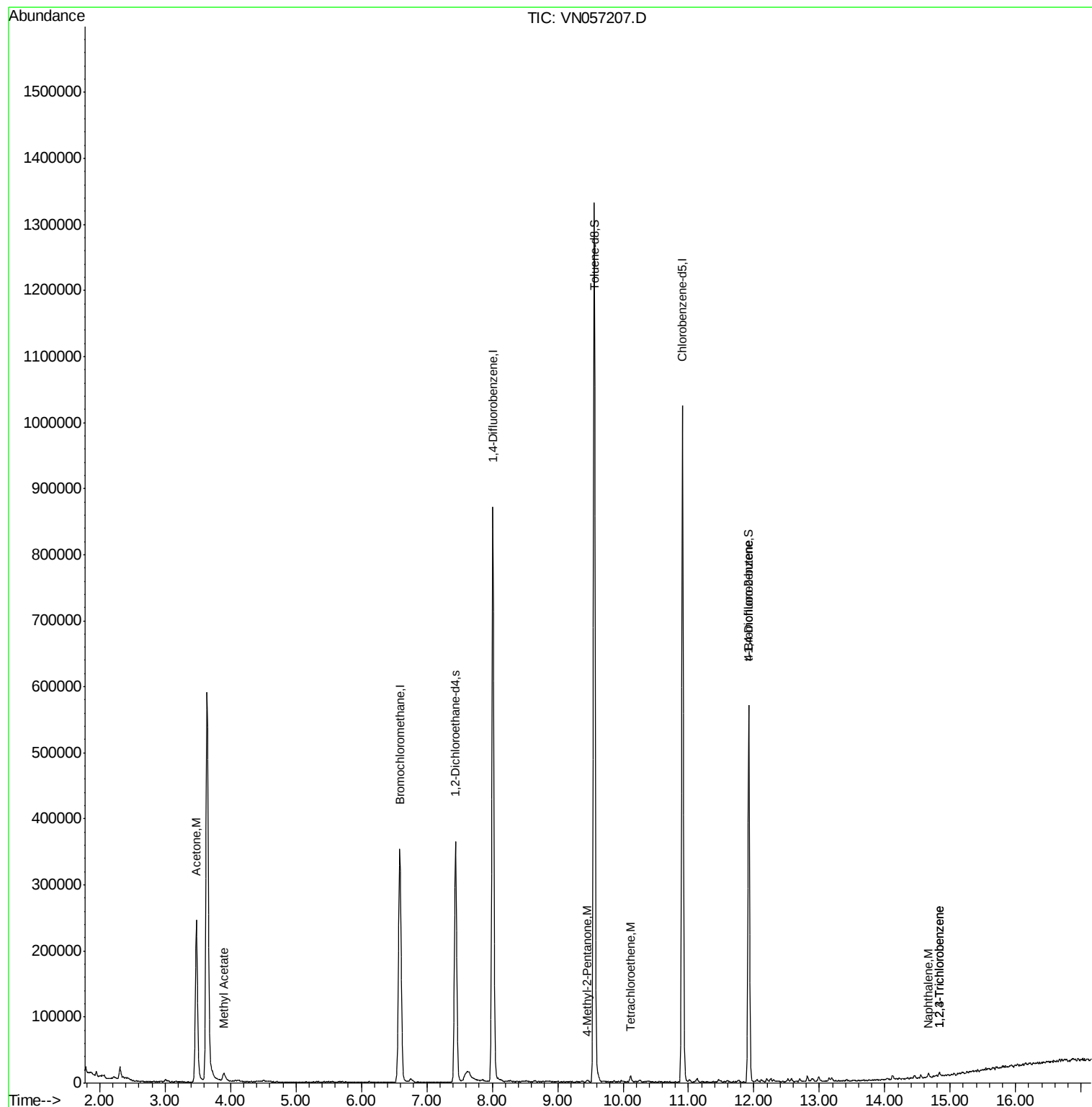
					Qvalue	
12) Methyl Acetate	3.90	43	12034	1.193	ug/l	90
15) Acetone	3.48	58	122717	87.888	ug/l	91
58) 4-Methyl-2-Pentanone	9.45	43	1974	0.230	ug/l #	63
61) Tetrachloroethene	10.11	164	2357	0.230	ug/l	87
77) t-1,4-Dichloro-2-butene	11.92	75	91500	28.259	ug/l #	13
89) 1,2,4-Trichlorobenzene	14.83	180	3063	9.379	ug/l	90
91) Naphthalene	14.67	128	4566	0.383	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	3063	8.727	ug/l	88

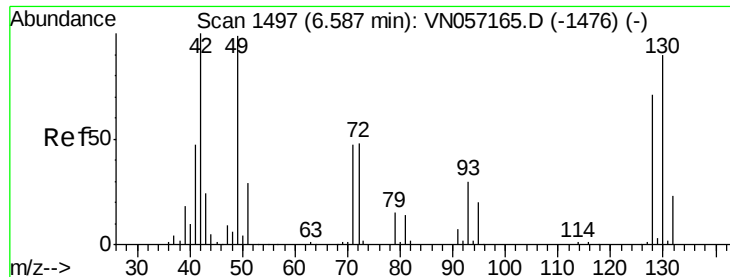
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sun Aug 11 03:53:25 2019
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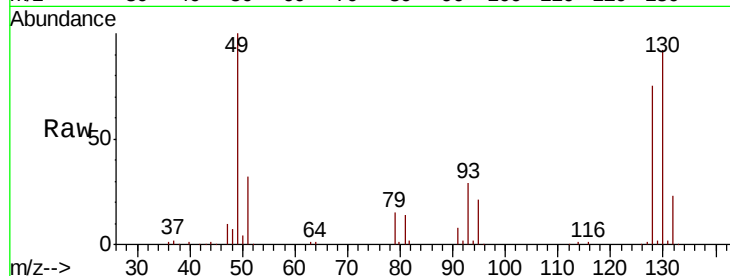




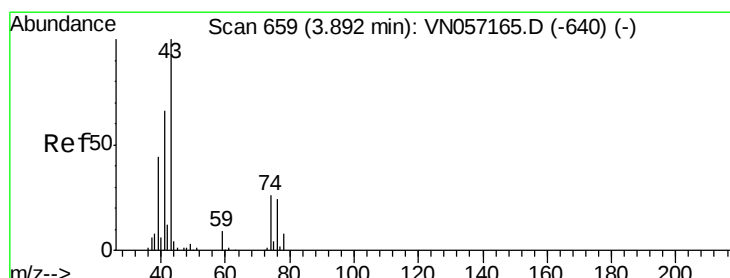
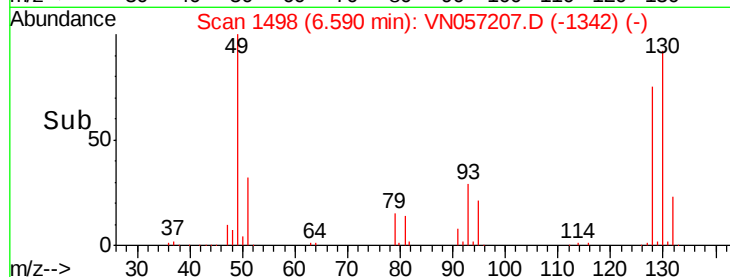
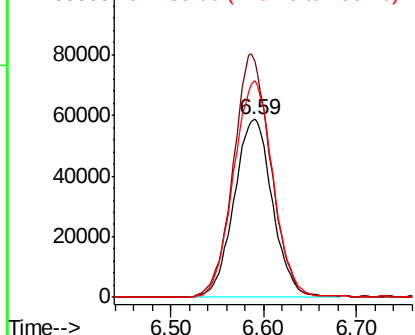
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 6.59 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VN057207.D
 Acq: 12 Aug 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN-002-SEWER-OUTLET-02DL

Tgt Ion:128 Resp: 168879
 Ion Ratio Lower Upper
 128 100
 49 133.2 0.0 361.0
 130 124.8 0.0 329.5

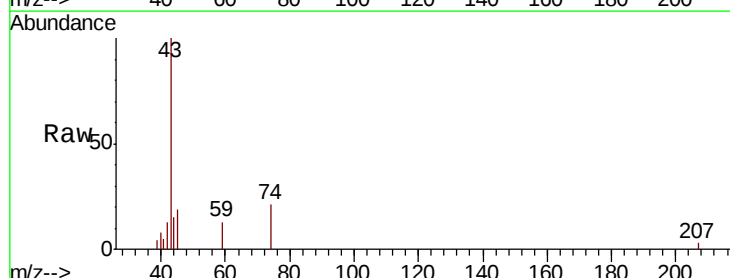


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

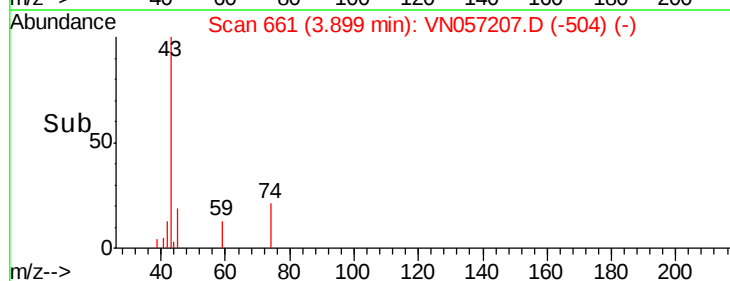
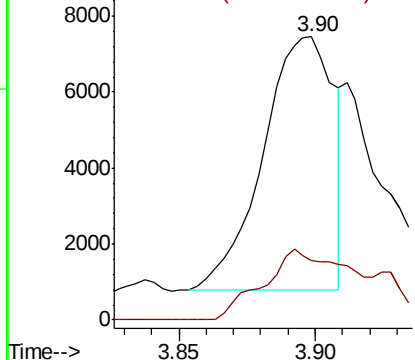


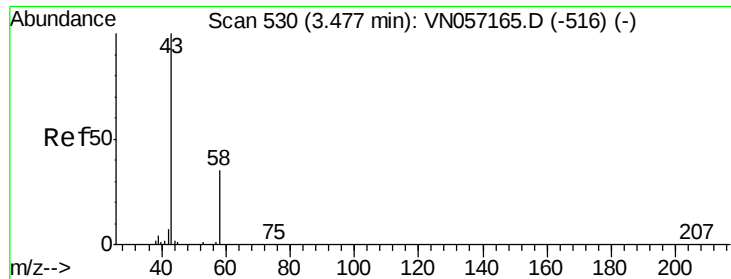
#12
 Methyl Acetate
 Concen: 1.193 ug/l
 RT: 3.90 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VN057207.D
 Acq: 12 Aug 2019 11:23

Tgt Ion: 43 Resp: 12034
 Ion Ratio Lower Upper
 43 100
 74 20.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 74.00 (73.70 to 74.70): VN

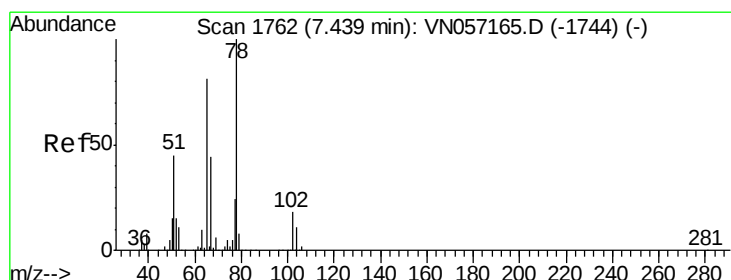
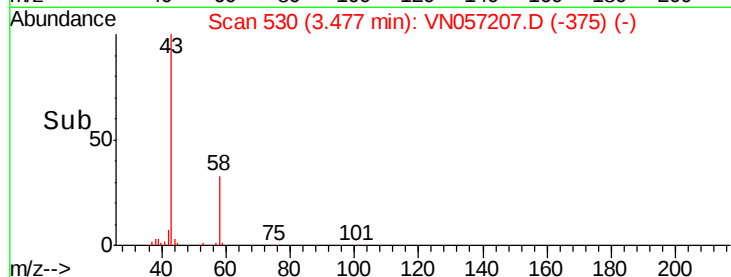
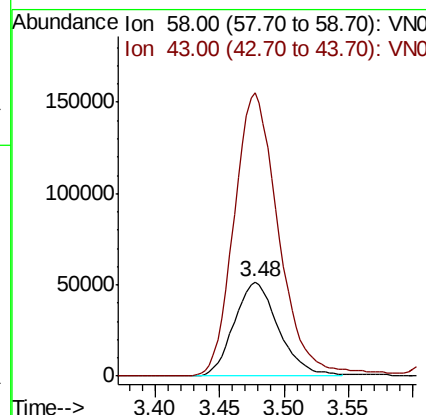
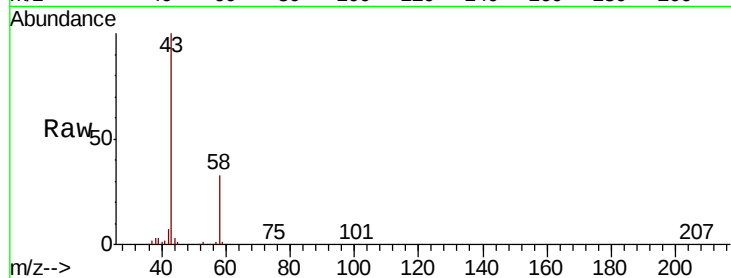




#15
Acetone
Concen: 87.888 ug/l
RT: 3.48 min Scan# 530
Delta R.T. -0.00 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

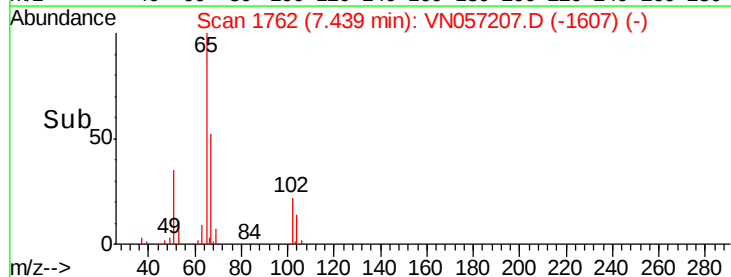
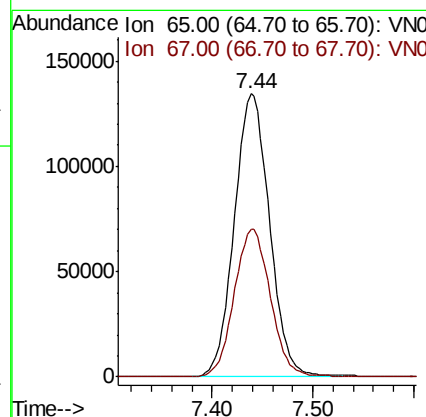
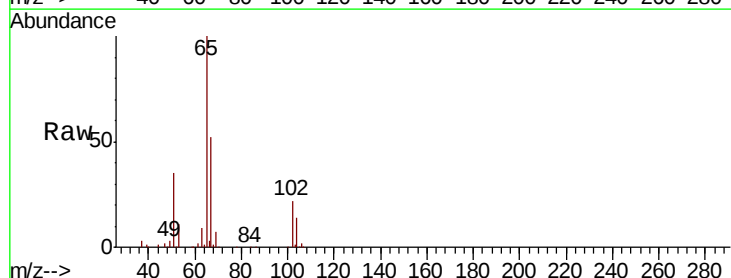
Instrument :
MSVOA_N
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DSN-002-SEWER-OUTLET-02DL

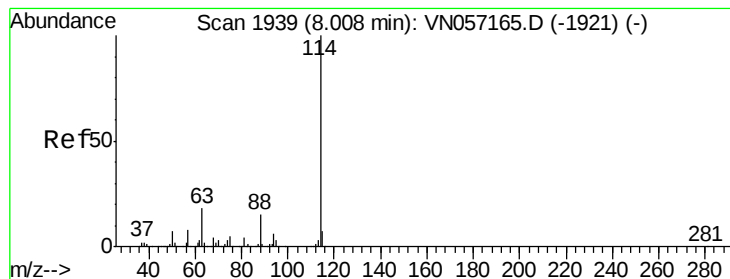
Tgt Ion: 58 Resp: 122717
Ion Ratio Lower Upper
58 100
43 300.6 226.2 339.2



#27
1,2-Dichloroethane-d4
Concen: 29.676 ug/l
RT: 7.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

Tgt Ion: 65 Resp: 326682
Ion Ratio Lower Upper
65 100
67 53.4 42.4 63.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057207.D

Acq: 12 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

DSN-002-SEWER-OUTLET-02DL

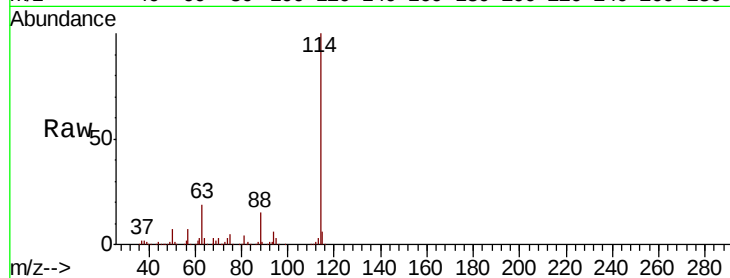
Tgt Ion:114 Resp: 869103

Ion Ratio Lower Upper

114 100

63 18.6 14.6 21.8

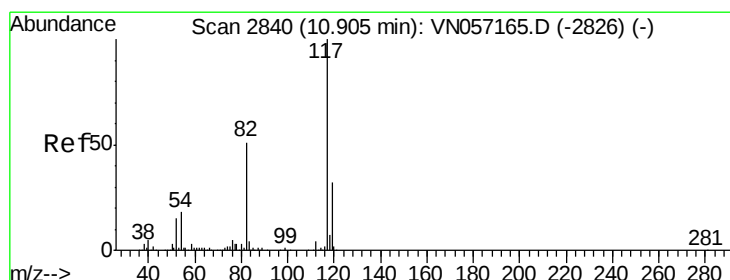
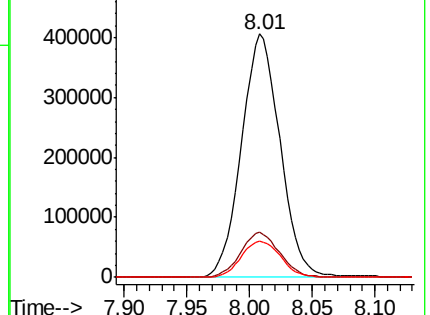
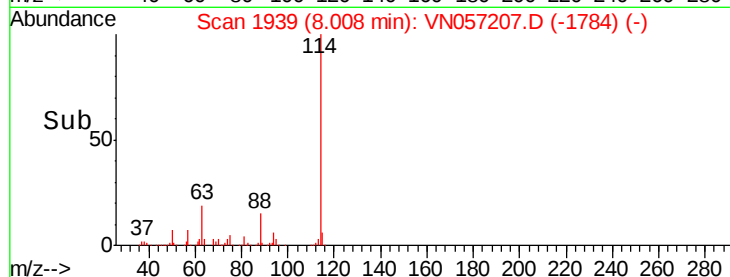
88 15.2 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN

Ion 88.00 (87.70 to 88.70): VN



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057207.D

Acq: 12 Aug 2019 11:23

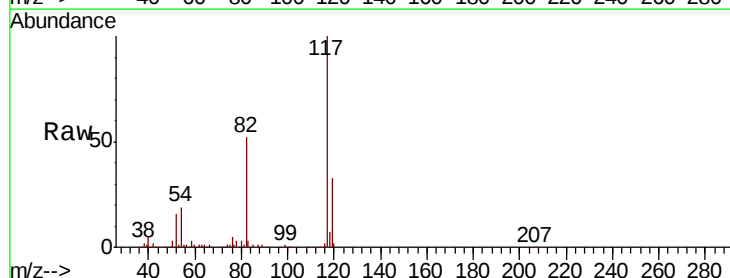
Tgt Ion:117 Resp: 667365

Ion Ratio Lower Upper

117 100

82 52.7 41.5 62.3

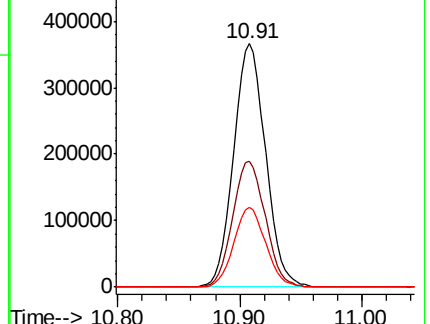
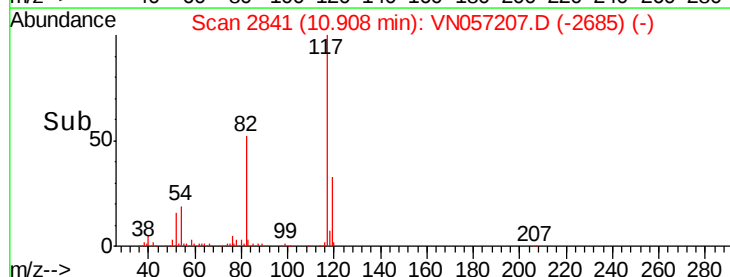
119 32.9 26.1 39.1

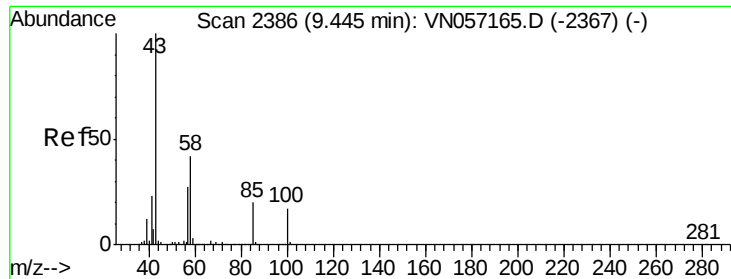


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V

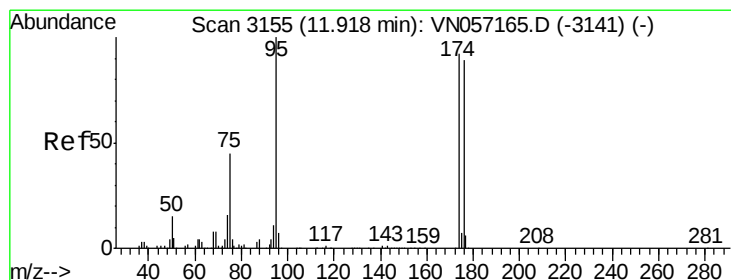
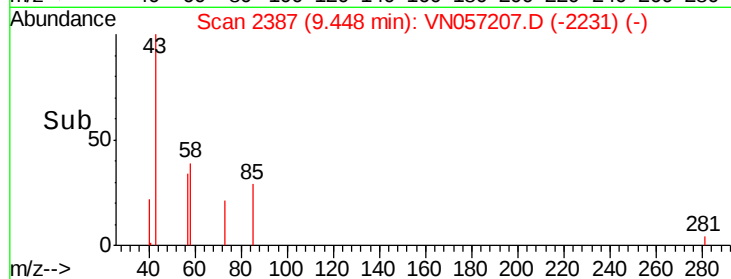
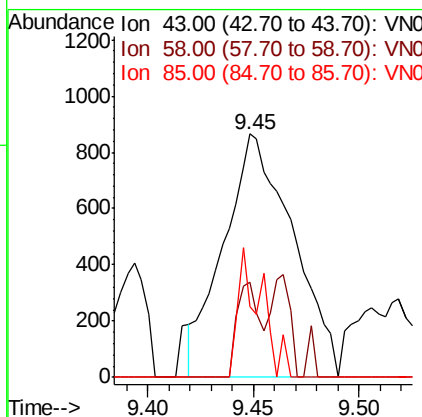
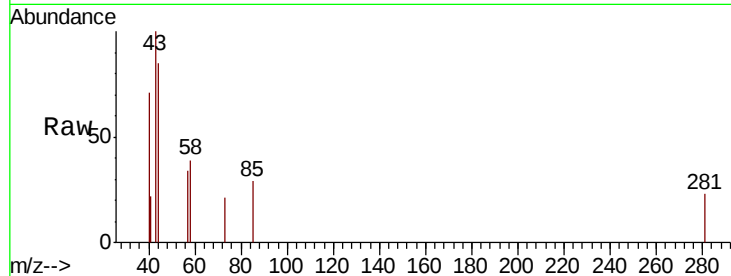




#58
 4-Methyl-2-Pentanone
 Concen: 0.230 ug/l
 RT: 9.45 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: VN057207.D
 Acq: 12 Aug 2019 11:23

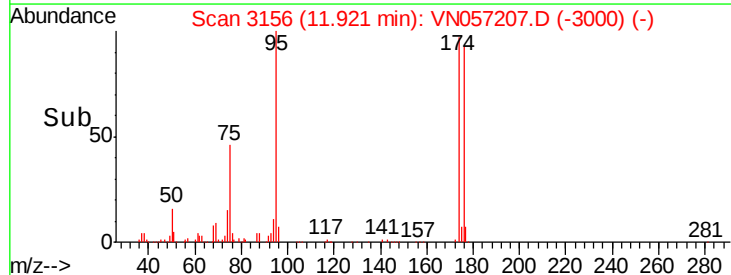
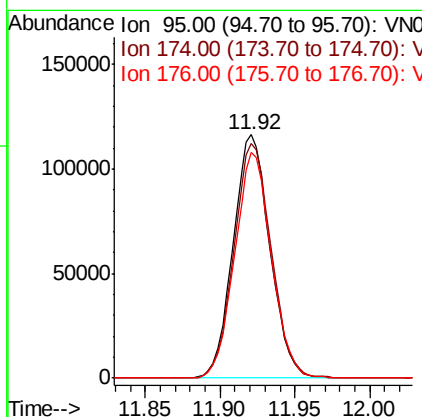
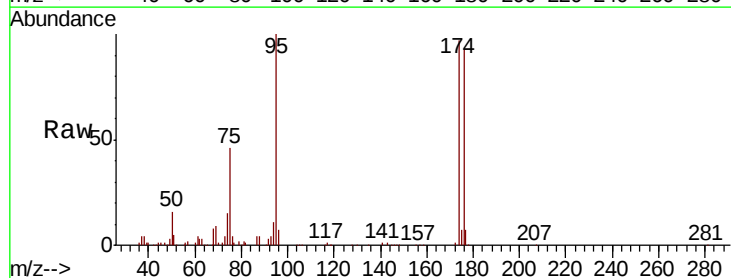
Instrument :
 MSVOA_N
 ClientSampleId :
 DSN-002-SEWER-OUTLET-02DL

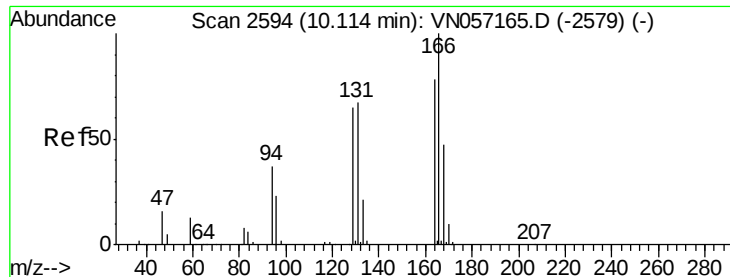
Tgt Ion: 43 Resp: 1974
 Ion Ratio Lower Upper
 43 100
 58 12.4 32.8 49.2#
 85 11.0 16.4 24.6#



#60
 4-Bromofluorobenzene
 Concen: 20.041 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057207.D
 Acq: 12 Aug 2019 11:23

Tgt Ion: 95 Resp: 199146
 Ion Ratio Lower Upper
 95 100
 174 97.7 74.9 112.3
 176 92.8 72.1 108.1

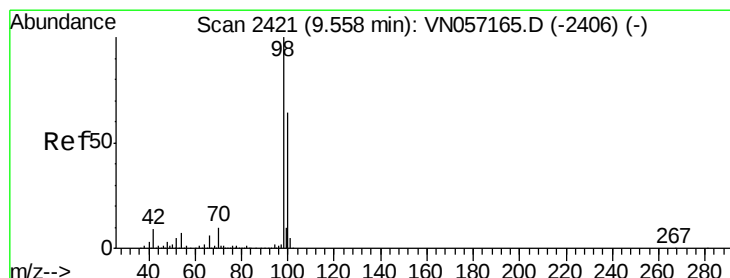
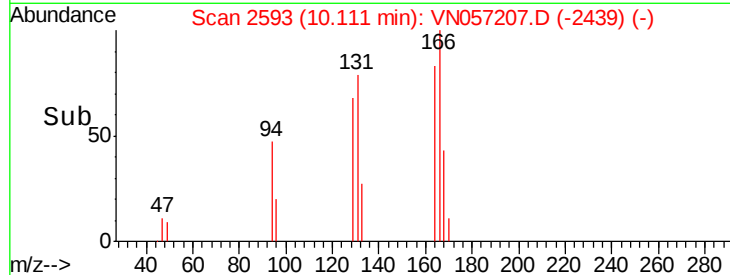
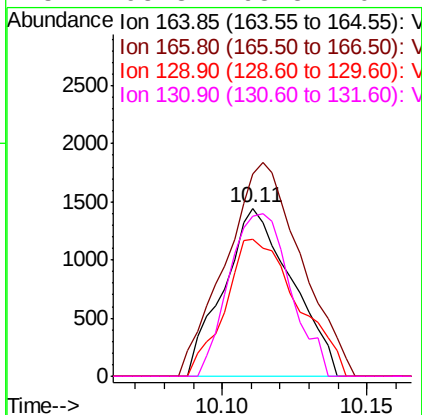
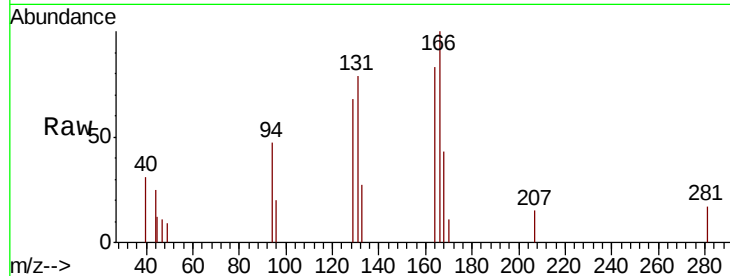




#61
Tetrachloroethene
Concen: 0.230 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. -0.00 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

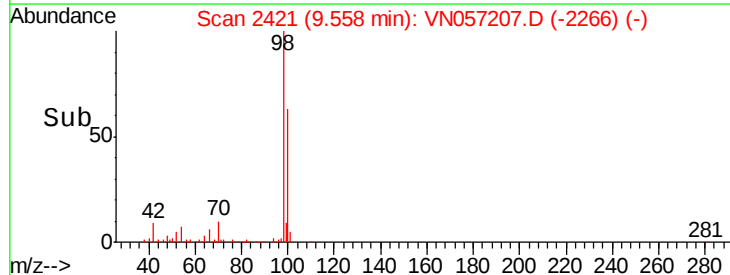
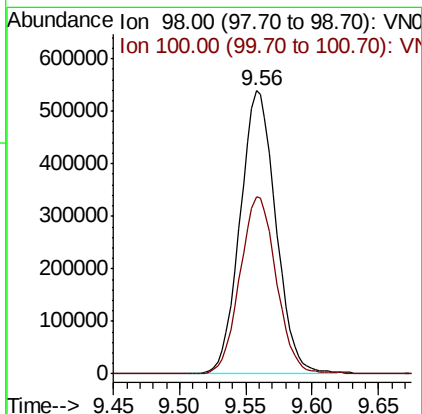
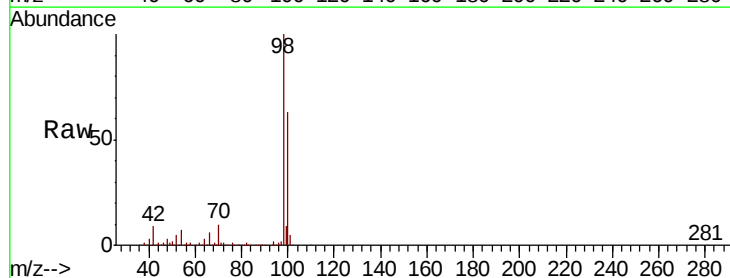
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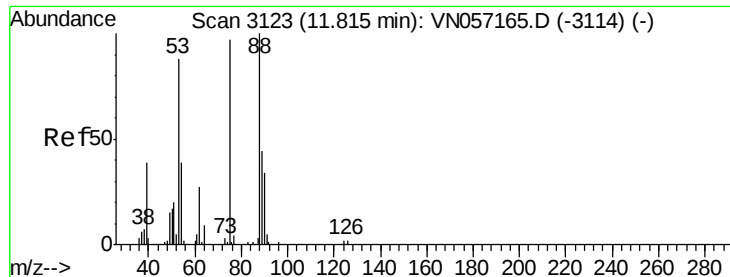
Tgt Ion:164 Resp: 2357
Ion Ratio Lower Upper
164 100
166 104.8 103.0 154.6
129 81.6 67.3 100.9
131 95.3 68.5 102.7



#63
Toluene-d8
Concen: 32.757 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

Tgt Ion: 98 Resp: 1009138
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6

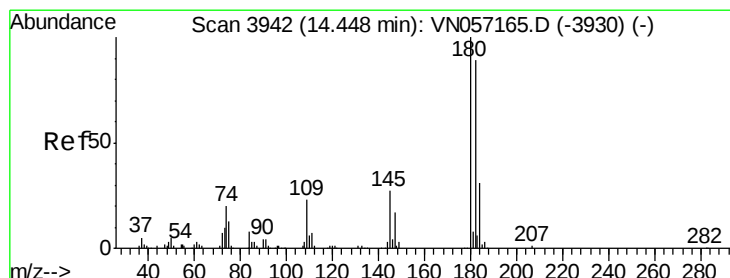
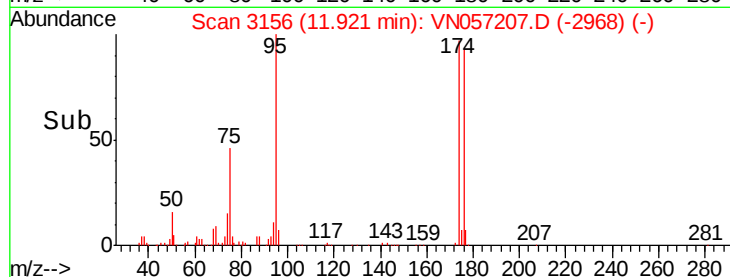
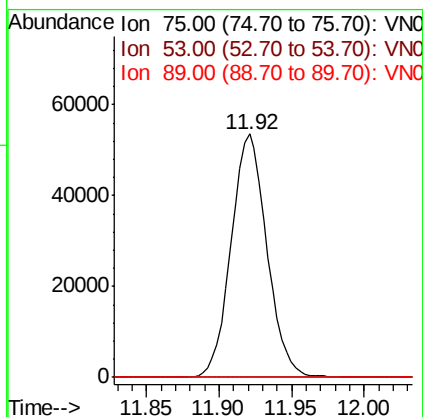
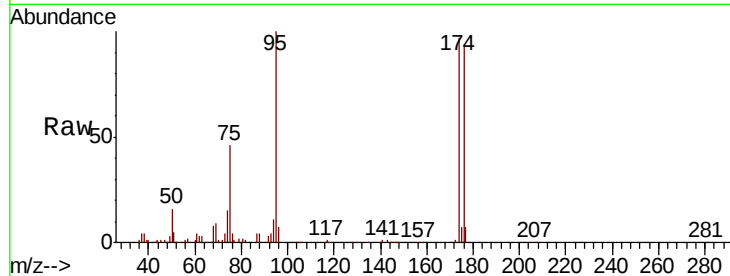




#77
t-1,4-Dichloro-2-butene
Concen: 28.259 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.11 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

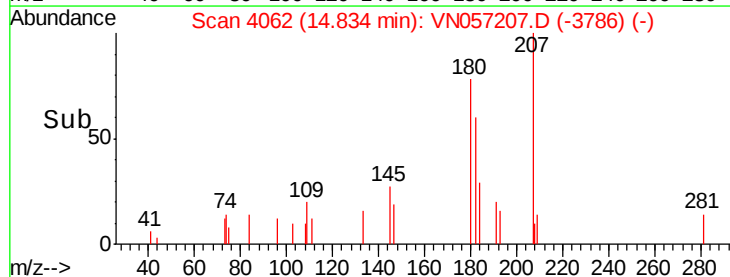
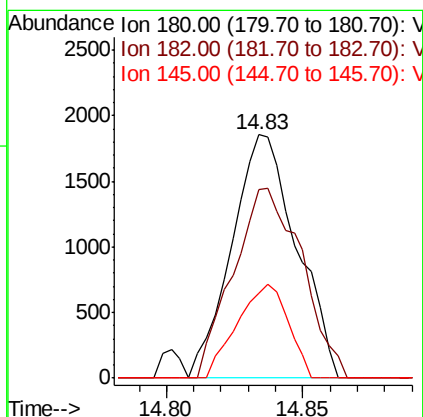
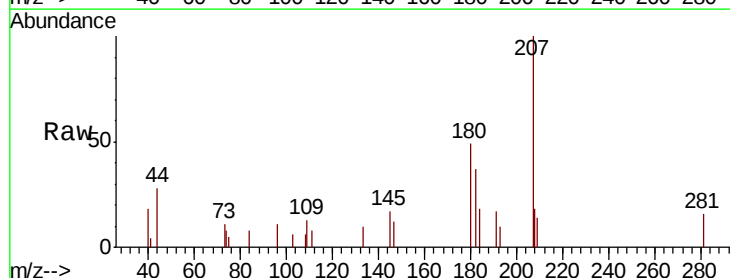
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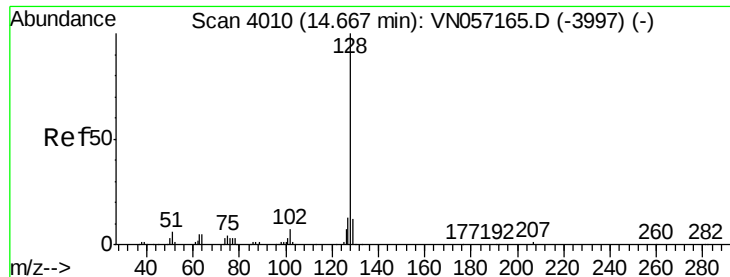
Tgt Ion: 75 Resp: 91500
Ion Ratio Lower Upper
75 100
53 0.0 45.4 136.2#
89 0.0 23.5 70.6#



#89
1,2,4-Trichlorobenzene
Concen: 9.379 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.39 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

Tgt Ion: 180 Resp: 3063
Ion Ratio Lower Upper
180 100
182 82.6 75.0 112.6
145 30.4 21.7 32.5

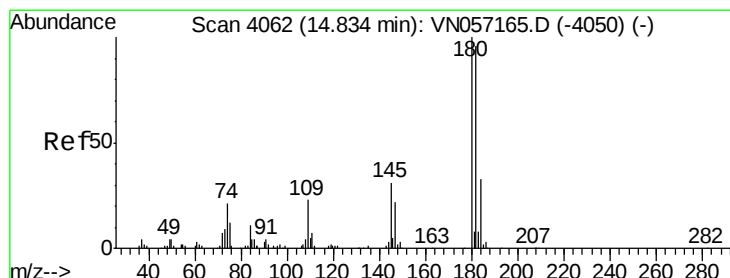
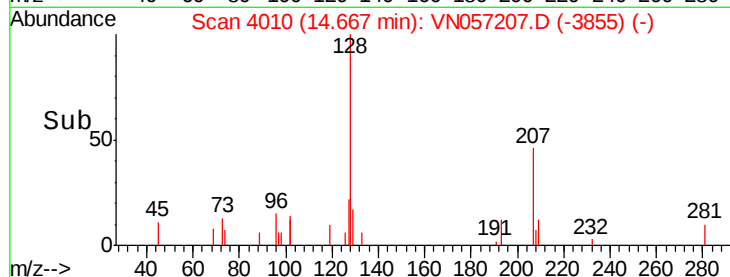
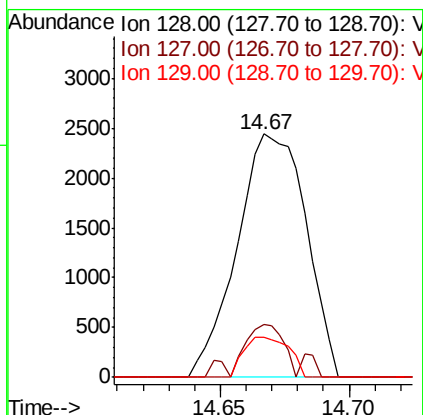
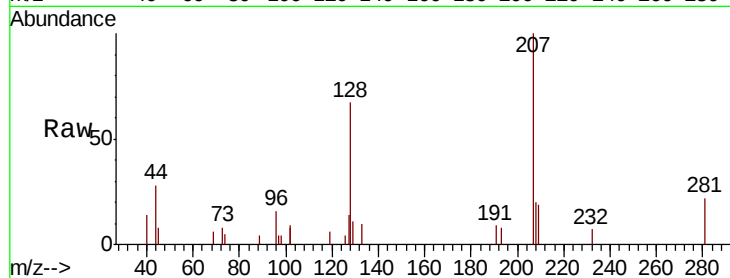




#91
Naphthalene
Concen: 0.383 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-02DL

Tgt Ion:128 Resp: 4566
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.8 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 8.727 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057207.D
Acq: 12 Aug 2019 11:23

Tgt Ion:180 Resp: 3063
Ion Ratio Lower Upper
180 100
182 82.6 0.0 195.8
145 30.4 0.0 61.2

