Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
Data File : VN057171.D
Acq On : 10 Aug 2019 13:03
Operator : JC/SP
Sample : K4221-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DSN-001-SEWER-OUTLET-01

Quant Time: Aug 11 03:57:06 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	6.58	128	177239	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	948252	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	746457	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.44	65	345260	29.88	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.60%			
60) 4-Bromofluorobenzene	11.92	95	233848	21.04	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 70.13%			
63) Toluene-d8	9.56	98	1119303	32.48	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 108.27%			
Target Compounds						Qvalue
12) Methyl Acetate	3.90	43	16026	1.514	ug/l	98
13) Acrolein	3.31	56	472	0.404	ug/l #	40
15) Acetone	3.48	58	284206	193.942	ug/l	99
16) Carbon Disulfide	3.72	76	7059	0.258	ug/l #	75
23) tert-Butyl Alcohol	4.23	59	800	0.549	ug/l #	100
25) Chloroform	6.76	83	48389	2.474	ug/l	88
41) Bromodichloromethane	8.85	83	4888	0.340	ug/l #	92
53) Dibromochloromethane	10.39	129	2389	0.205	ug/l	71
56) Bromoform	11.64	173	5513	0.641	ug/l #	94
59) 2-Hexanone	10.24	43	1930	0.280	ug/l #	65
61) Tetrachloroethene	10.11	164	7397	0.646	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.45	180	3986	9.432	ug/l	94
90) Hexachlorobutadiene	14.55	225	1744	0.230	ug/l	51
91) Naphthalene	14.67	128	5440	0.408	ug/l #	84
92) 1,2,3-Trichlorobenzene	14.83	180	5881	8.988	ug/l	82

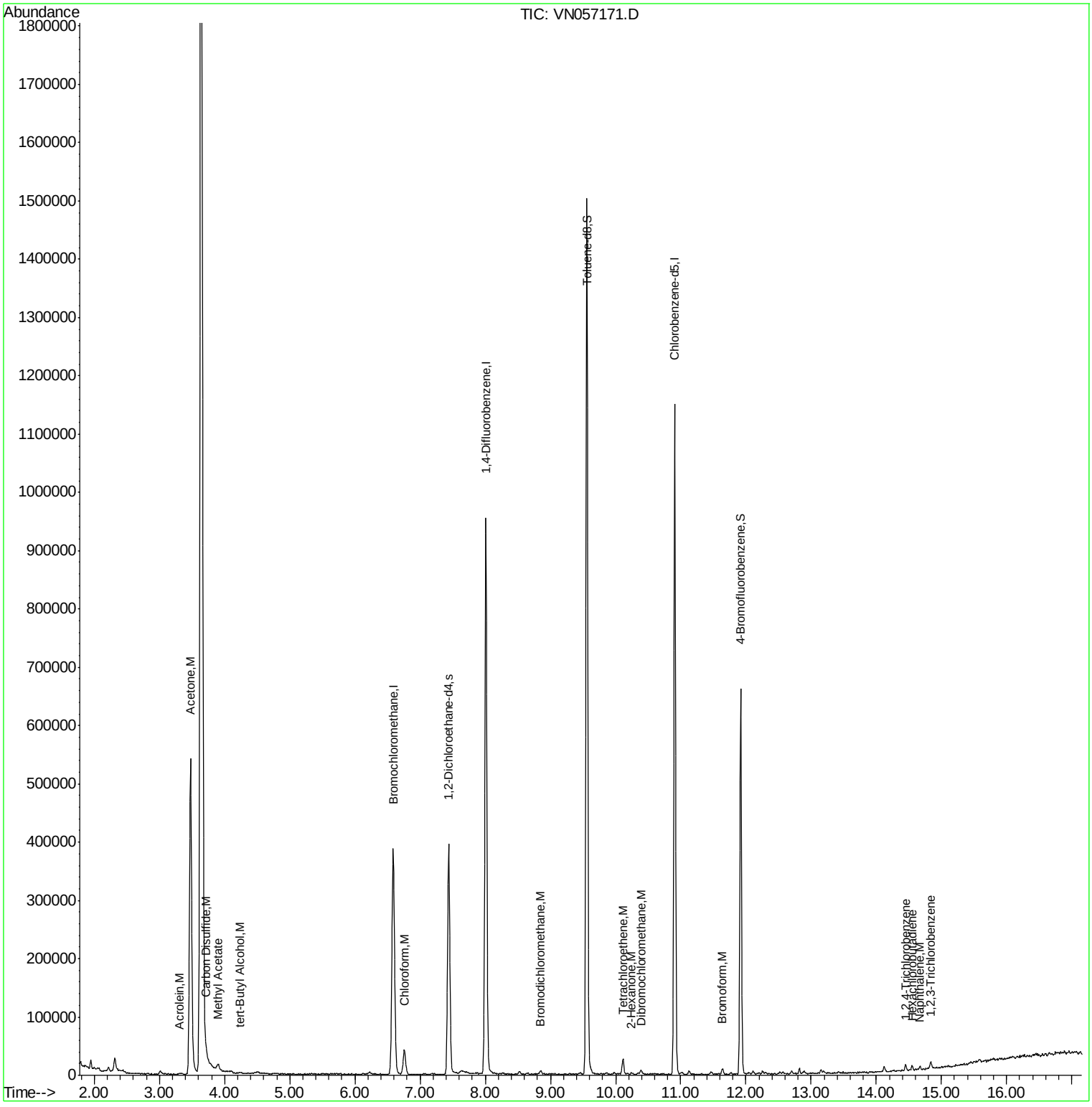
(#) = qualifier out of range (m) = manual integration (+) = signals summed

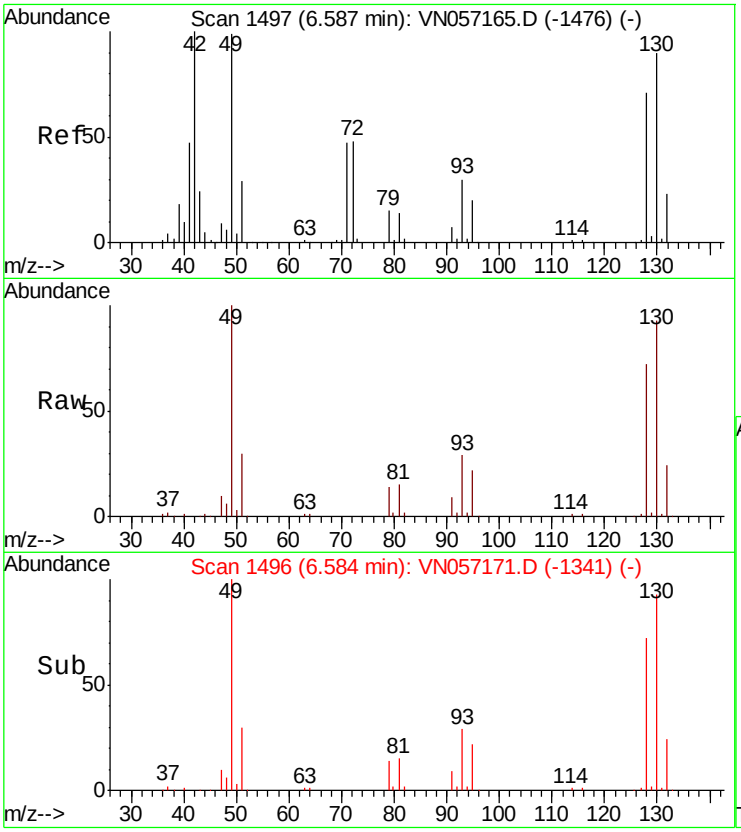
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
Data File : VN057171.D
Acq On : 10 Aug 2019 13:03
Operator : JC/SP
Sample : K4221-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Quant Time: Aug 11 03:57:06 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



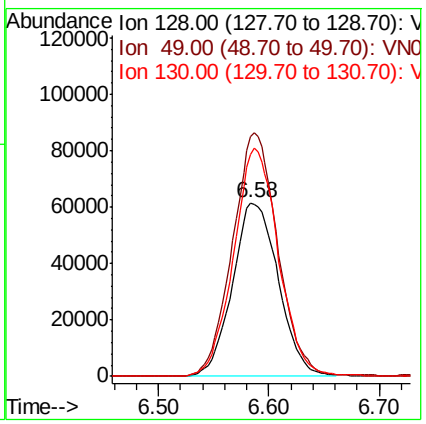


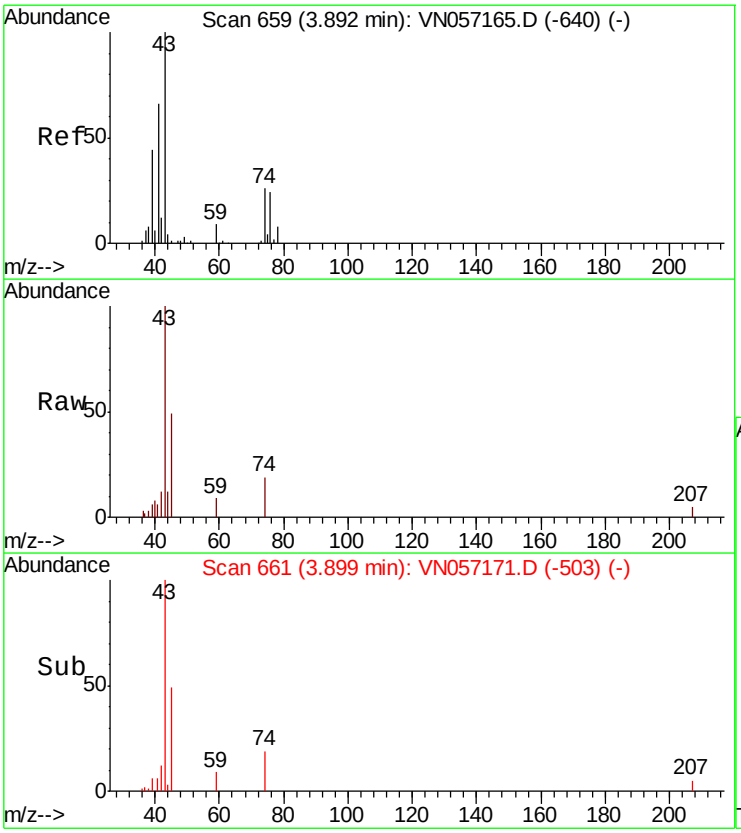
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 6.58 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion:128 Resp: 177239

Ion	Ratio	Lower	Upper
128	100		
49	138.0	0.0	361.0
130	128.6	0.0	329.5

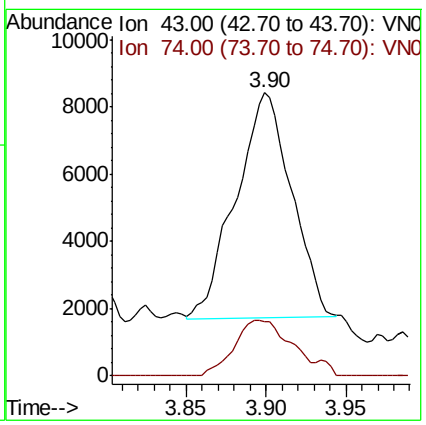


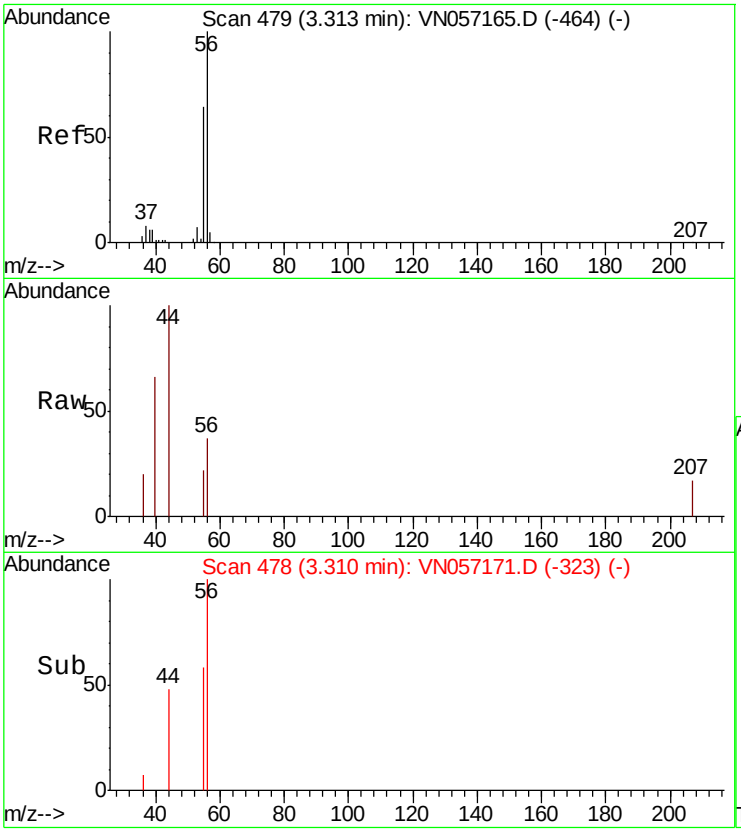


#12
Methyl Acetate
Concen: 1.514 ug/l
RT: 3.90 min Scan# 661
Delta R.T. 0.01 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 43 Resp: 16026

Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.5	30.7



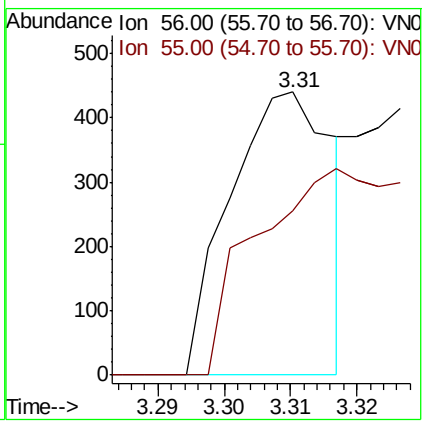


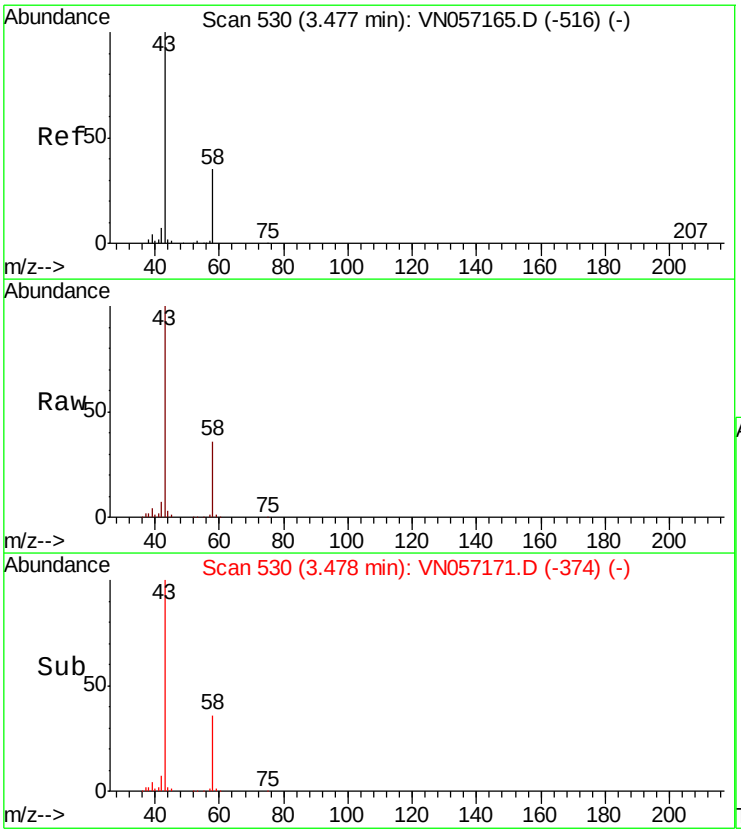
#13
Acrolein
Concen: 0.404 ug/l
RT: 3.31 min Scan# 478
Delta R.T. -0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion: 56 Resp: 472

Ion	Ratio	Lower	Upper
56	100		
55	21.4	56.5	84.7#

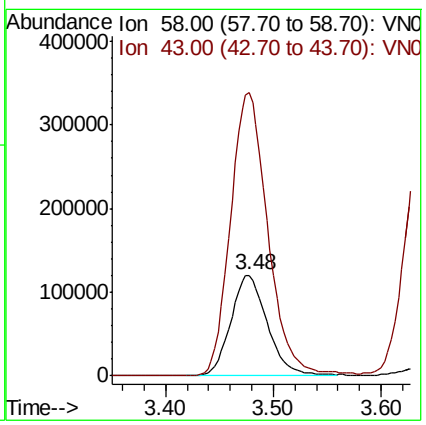


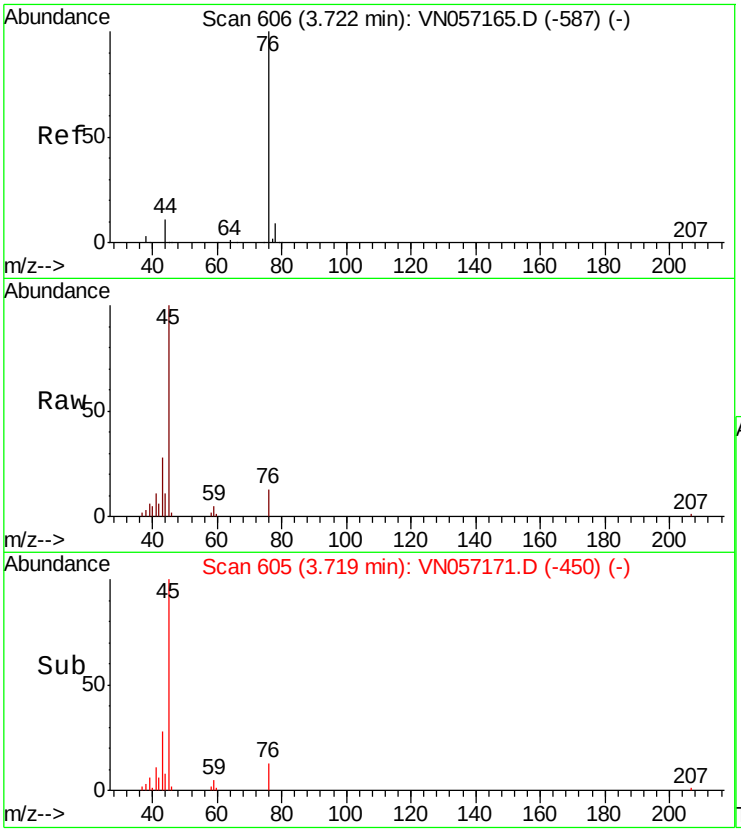


#15
Acetone
Concen: 193.942 ug/l
RT: 3.48 min Scan# 530
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 58 Resp: 284206

Ion	Ratio	Lower	Upper
58	100		
43	281.4	226.2	339.2



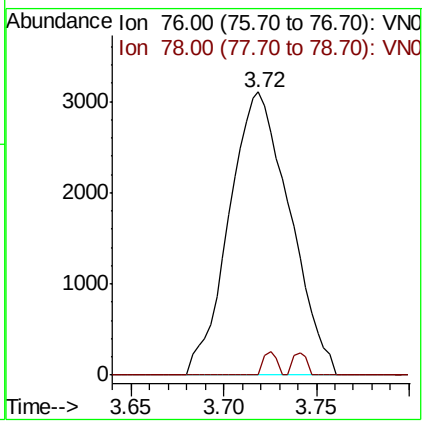


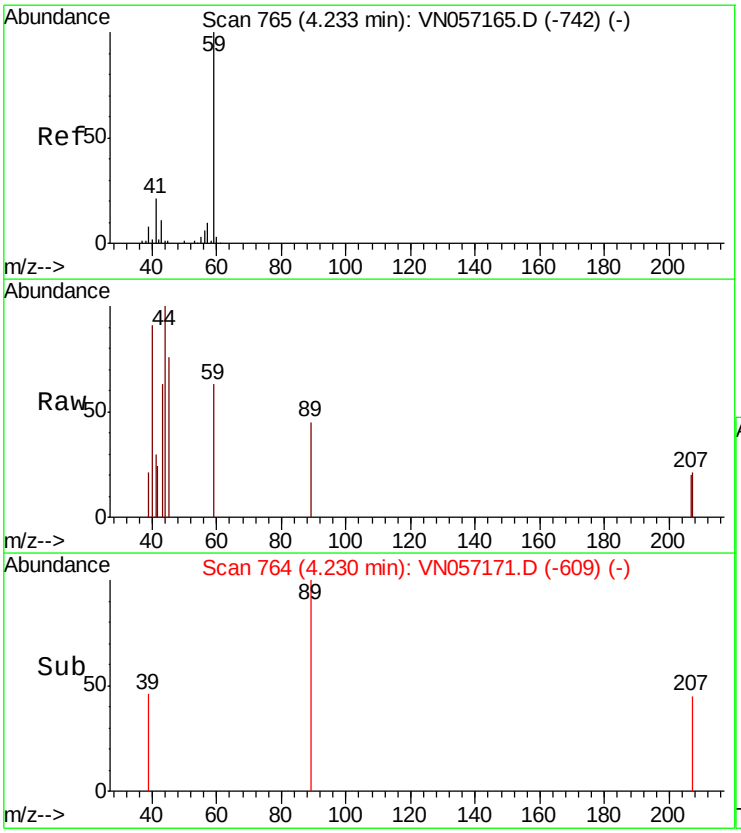
#16
Carbon Disulfide
Concen: 0.258 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion: 76 Resp: 7059

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

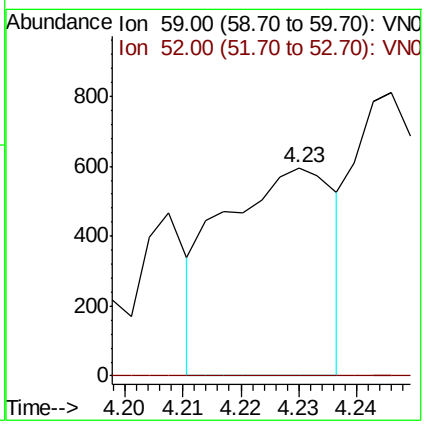


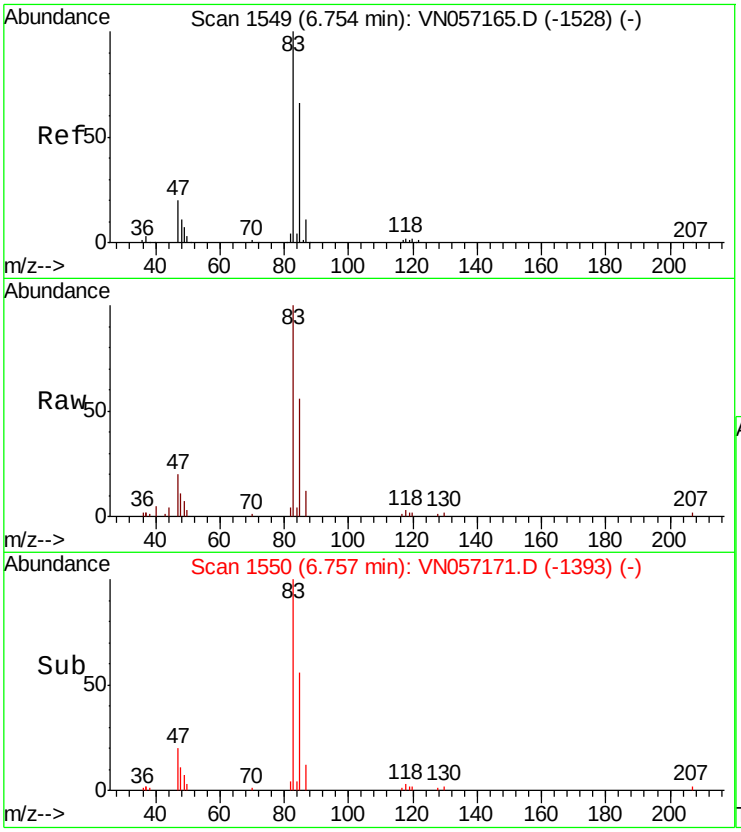


#23
tert-Butyl Alcohol
Concen: 0.549 ug/l
RT: 4.23 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 59 Resp: 800

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.2#



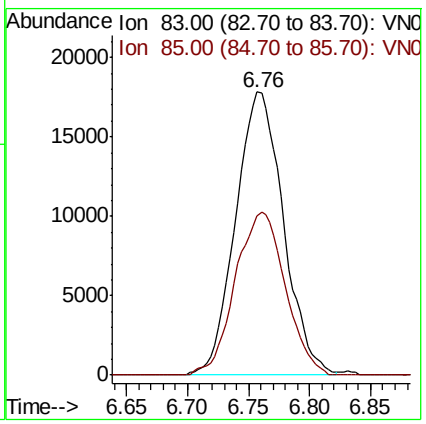


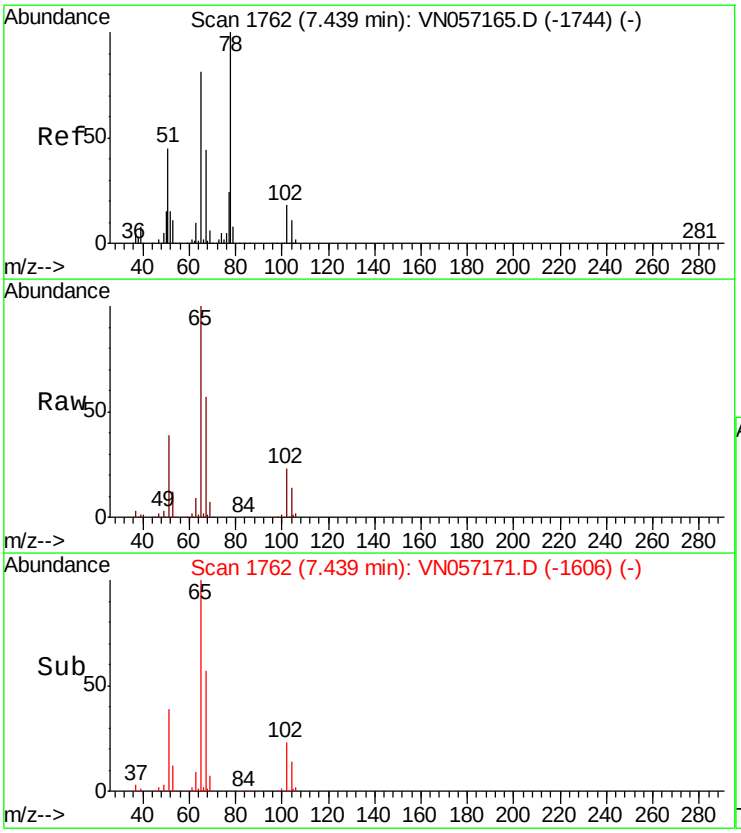
#25
Chloroform
Concen: 2.474 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion: 83 Resp: 48389

Ion	Ratio	Lower	Upper
83	100		
85	56.3	52.5	78.7

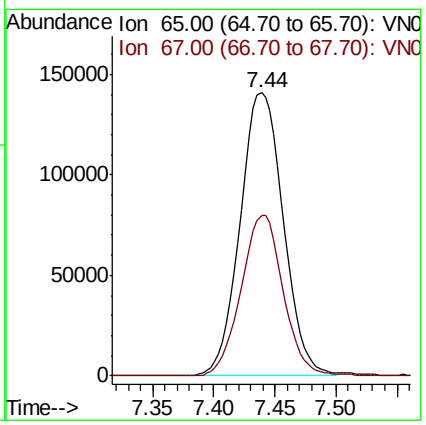


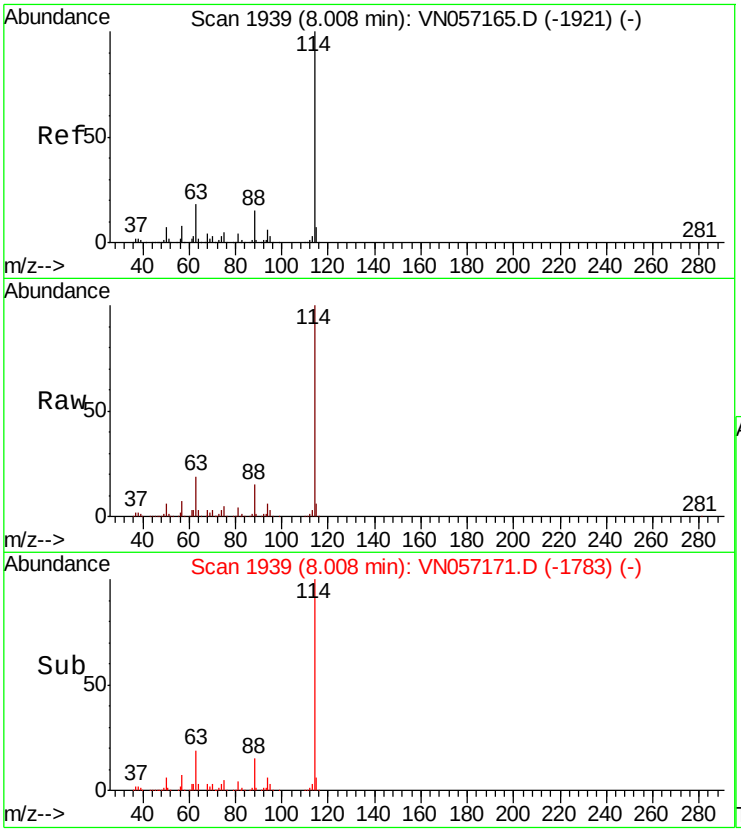


#27
1,2-Dichloroethane-d4
Concen: 29.884 ug/l
RT: 7.44 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 65 Resp: 345260

Ion	Ratio	Lower	Upper
65	100		
67	55.3	42.4	63.6



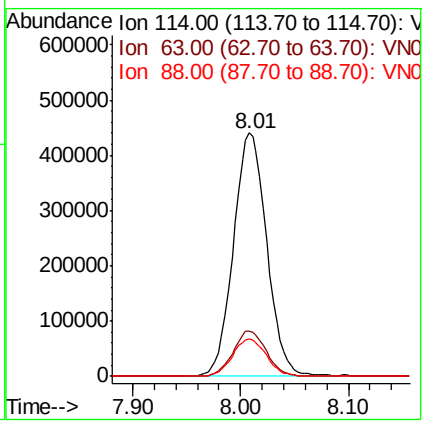


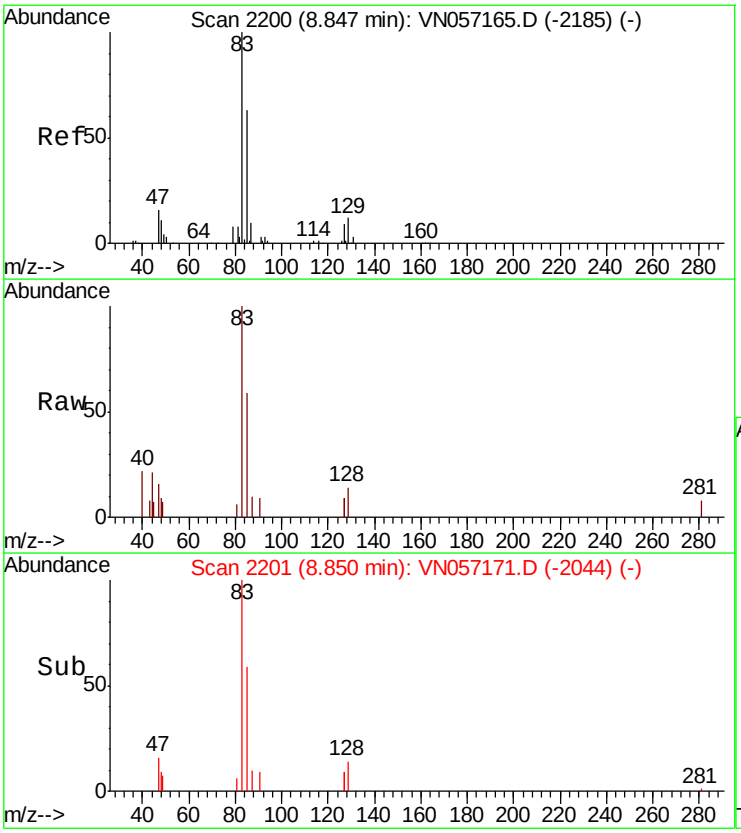
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion:114 Resp: 948252

Ion	Ratio	Lower	Upper
114	100		
63	18.7	14.6	21.8
88	15.6	12.2	18.2

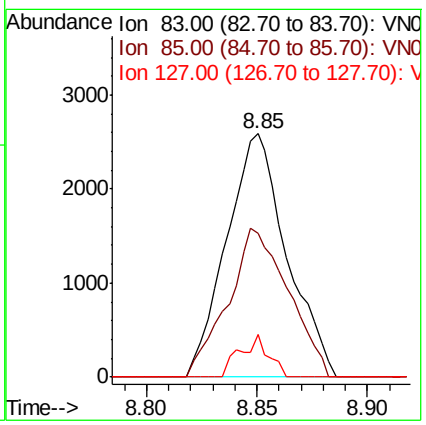


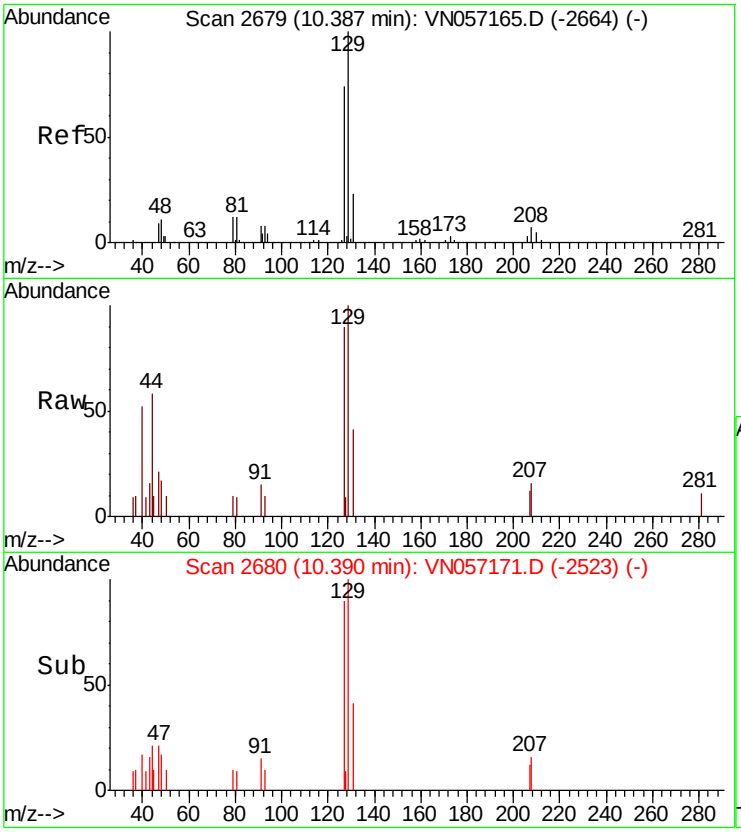


#41
Bromodichloromethane
Concen: 0.340 ug/l
RT: 8.85 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 83 Resp: 4888

Ion	Ratio	Lower	Upper
83	100		
85	59.0	50.6	76.0
127	17.6	7.0	10.6#



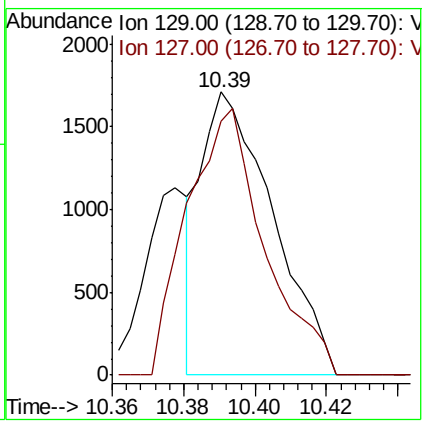


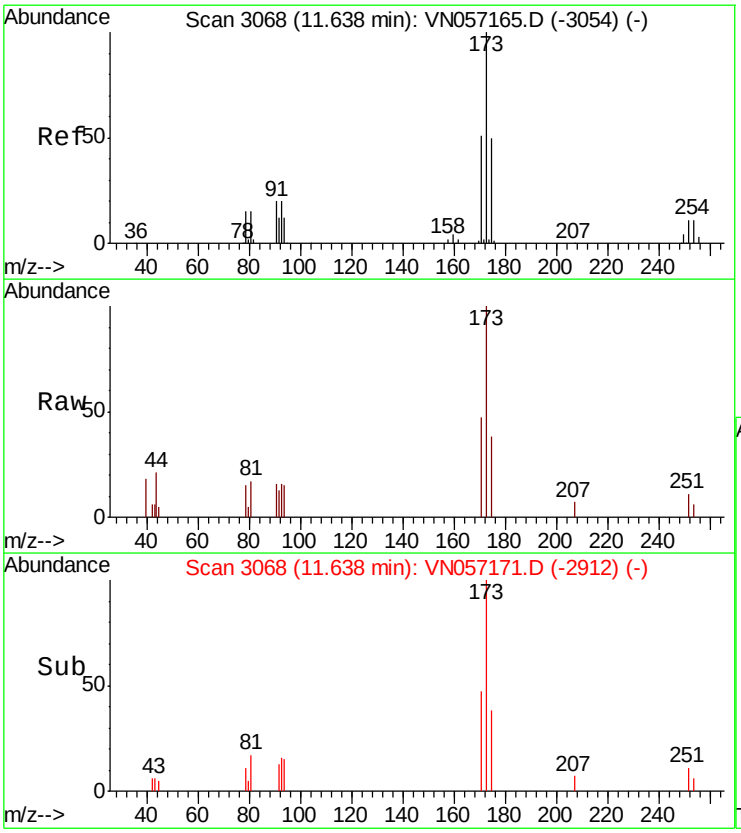
#53
Dibromochloromethane
Concen: 0.205 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion:129 Resp: 2389

Ion	Ratio	Lower	Upper
129	100		
127	101.0	38.2	114.6

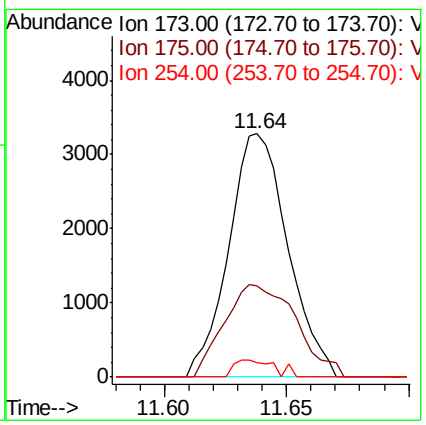


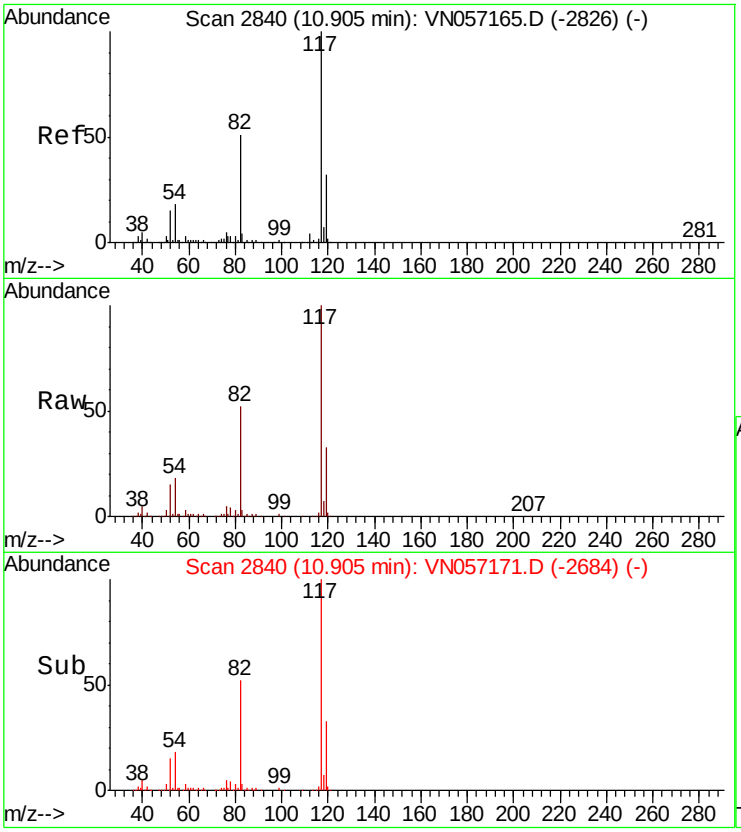


#56
Bromoform
Concen: 0.641 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion:173 Resp: 5513

Ion	Ratio	Lower	Upper
173	100		
175	46.3	39.0	58.4
254	3.6	8.6	13.0#



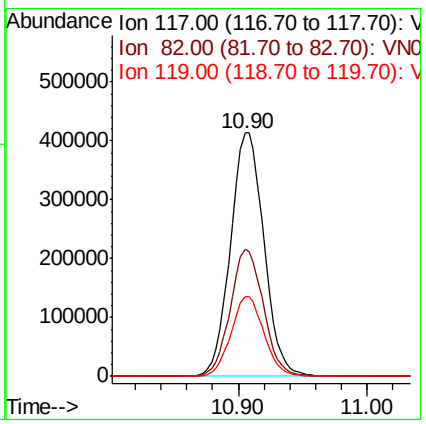


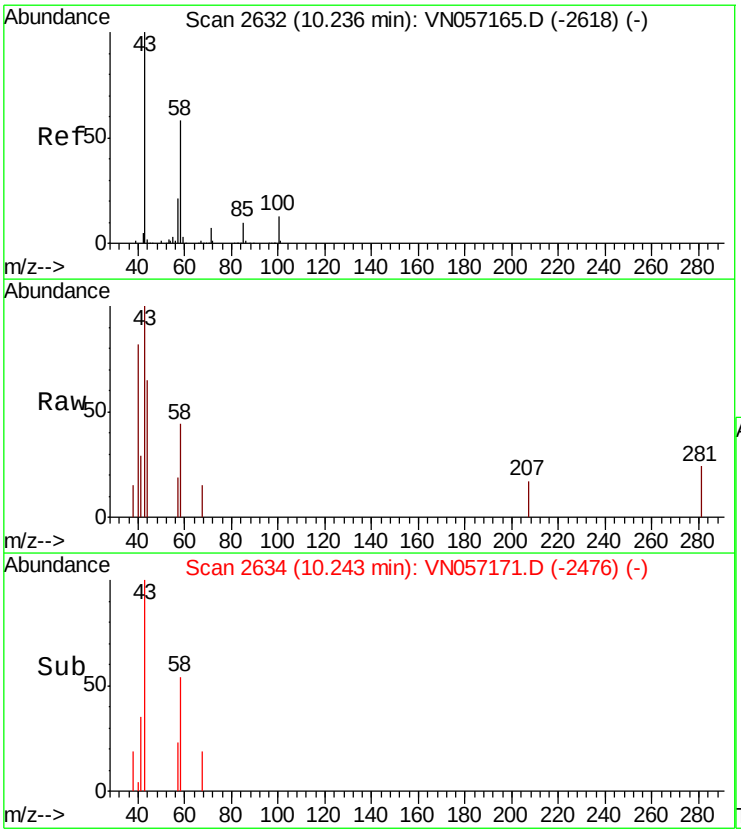
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion:117 Resp: 746457

Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.5	62.3
119	32.2	26.1	39.1

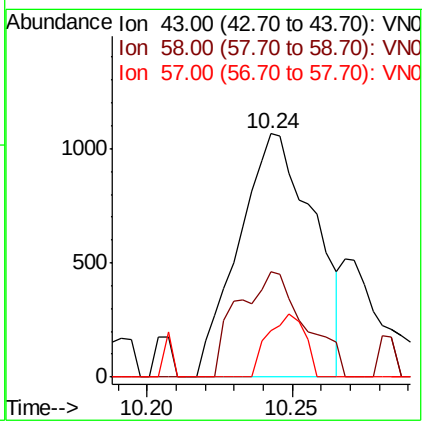


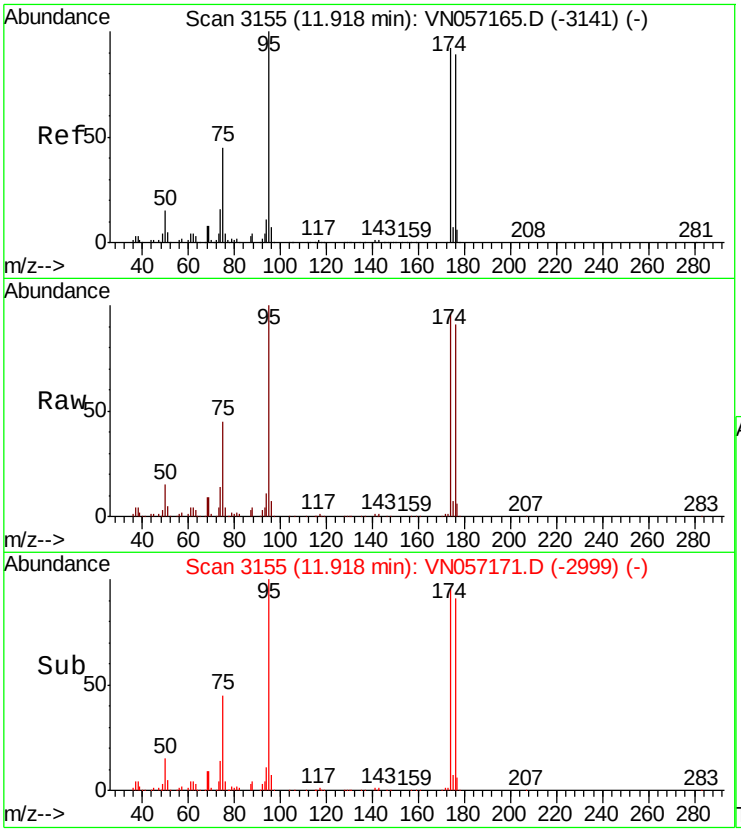


#59
2-Hexanone
Concen: 0.280 ug/l
RT: 10.24 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 43 Resp: 1930

Ion	Ratio	Lower	Upper
43	100		
58	26.0	45.4	68.2#
57	12.7	16.1	24.1#



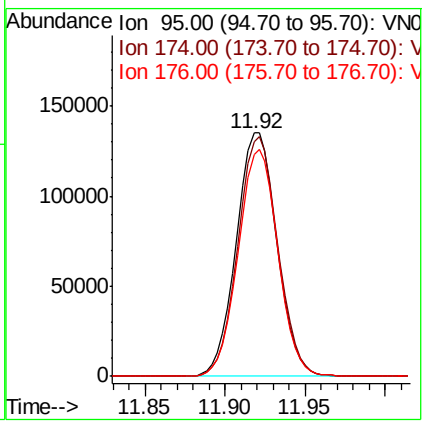


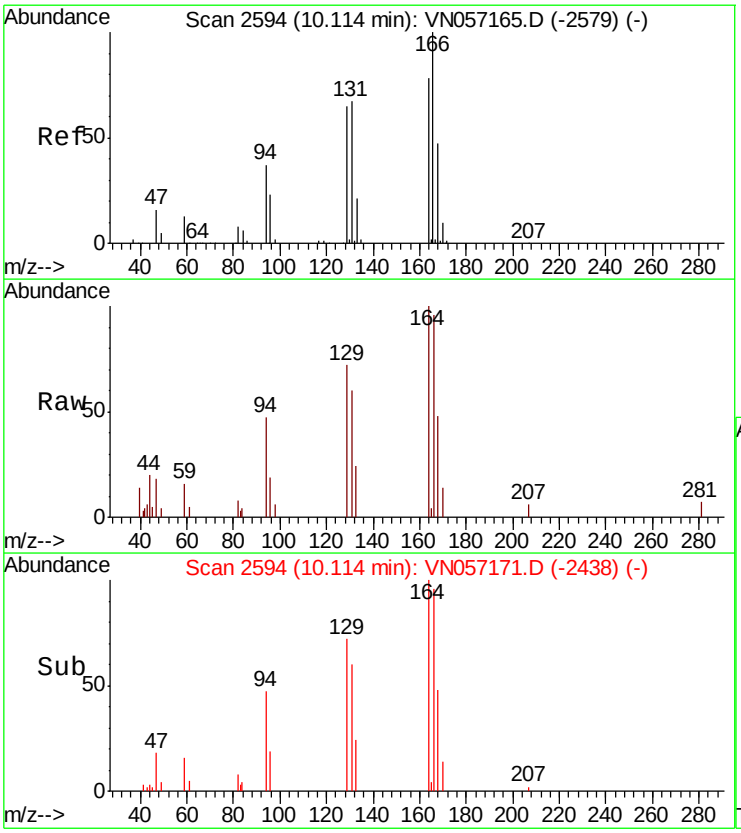
#60
4-Bromofluorobenzene
Concen: 21.039 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion: 95 Resp: 233848

Ion	Ratio	Lower	Upper
95	100		
174	96.4	74.9	112.3
176	90.9	72.1	108.1

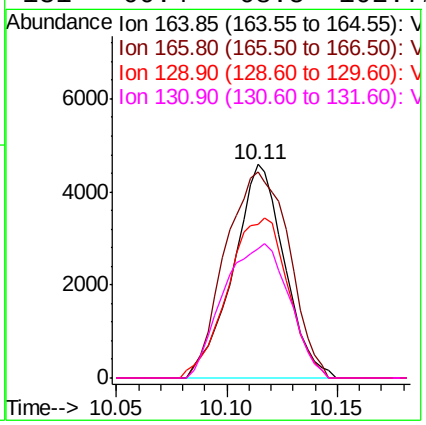


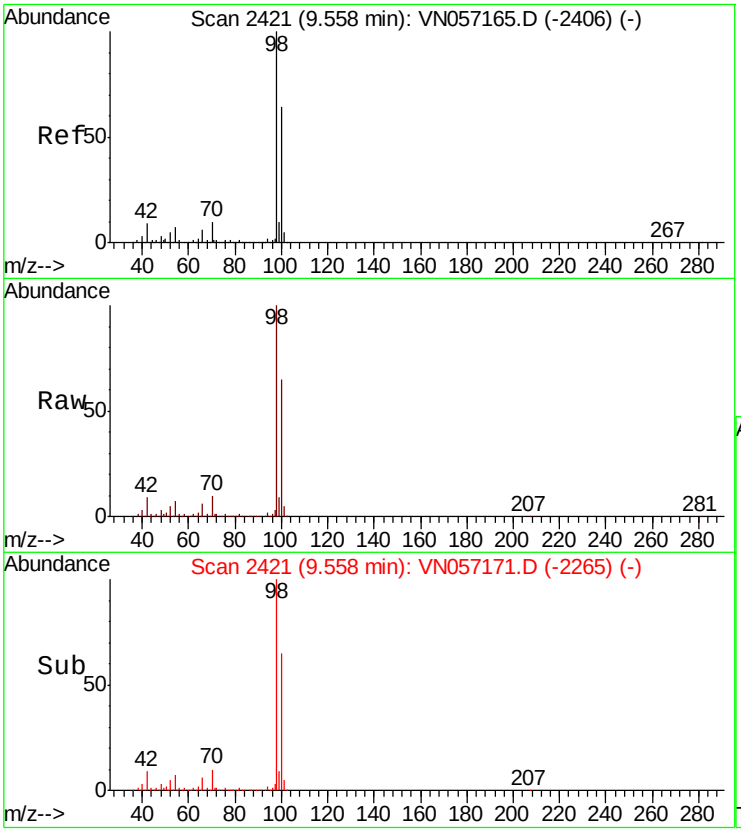


#61
Tetrachloroethene
Concen: 0.646 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion:164 Resp: 7397

Ion	Ratio	Lower	Upper
164	100		
166	96.5	103.0	154.6#
129	72.2	67.3	100.9
131	60.4	68.5	102.7#



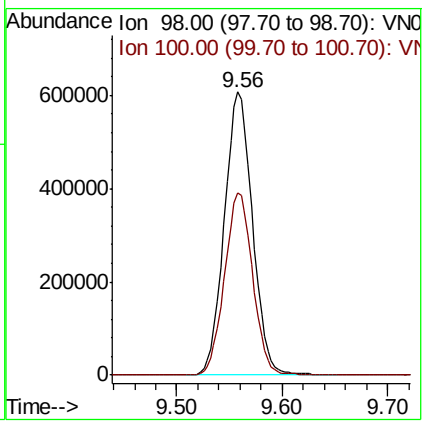


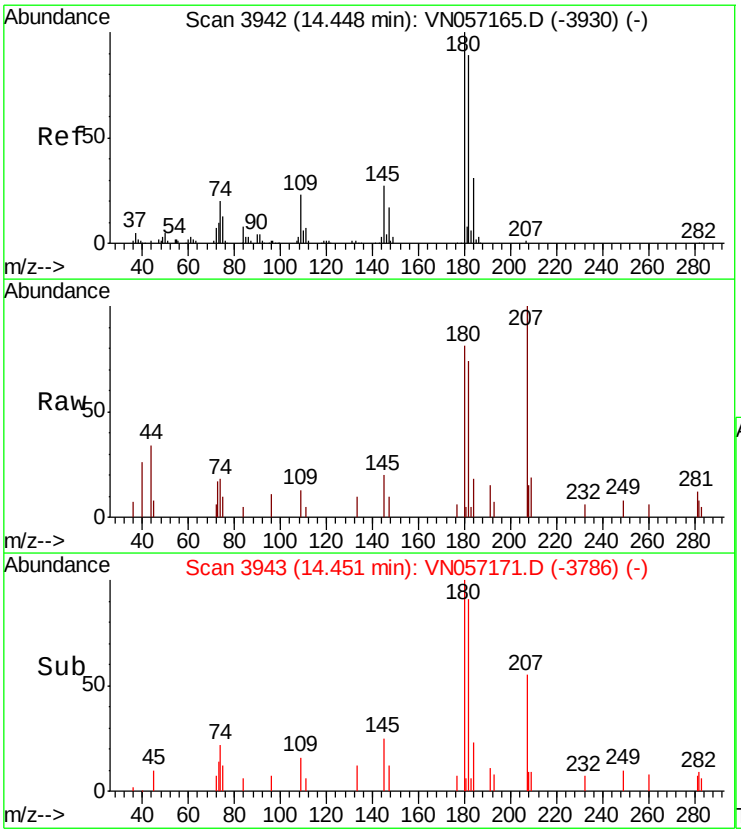
#63
Toluene-d8
Concen: 32.483 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion: 98 Resp: 1119303

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6

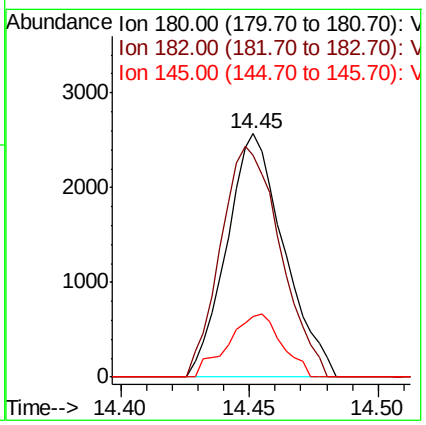


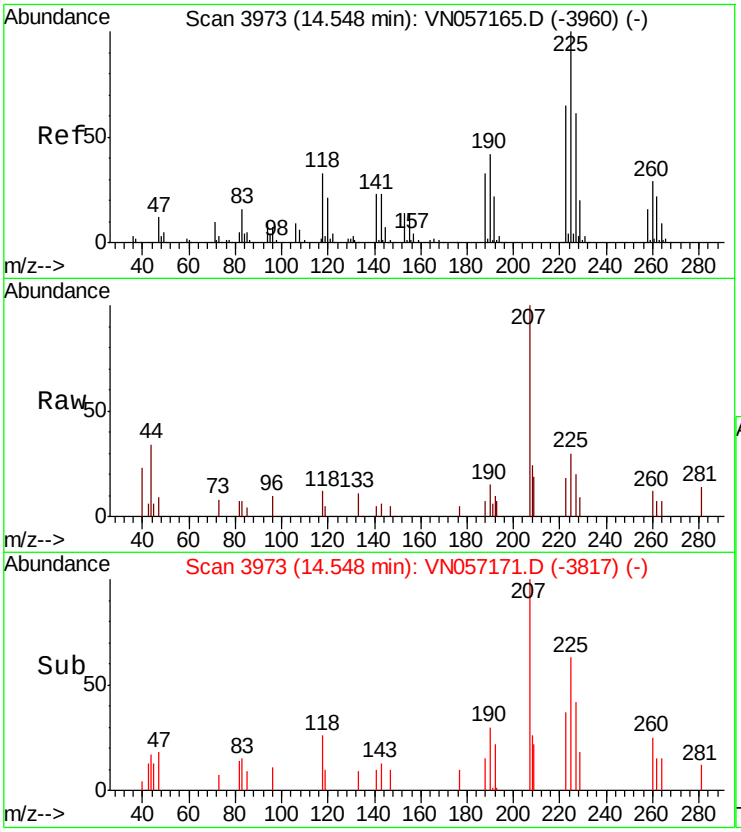


#89
1,2,4-Trichlorobenzene
Concen: 9.432 ug/l
RT: 14.45 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion:180 Resp: 3986

Ion	Ratio	Lower	Upper
180	100		
182	98.6	75.0	112.6
145	22.2	21.7	32.5



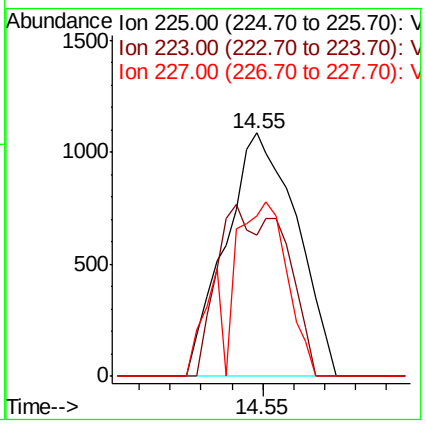


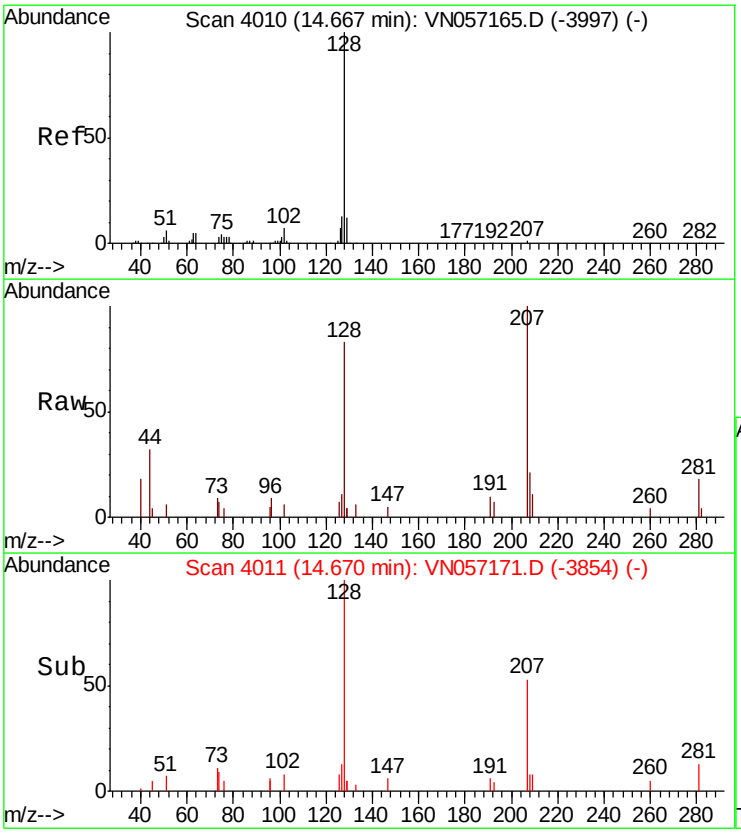
#90
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 14.55 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion:225 Resp: 1744

Ion	Ratio	Lower	Upper
225	100		
223	38.8	0.0	128.0
227	11.0	0.0	125.6

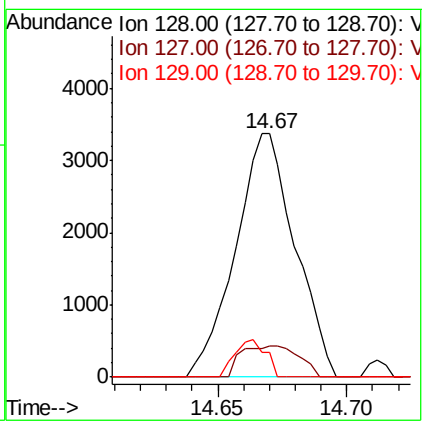


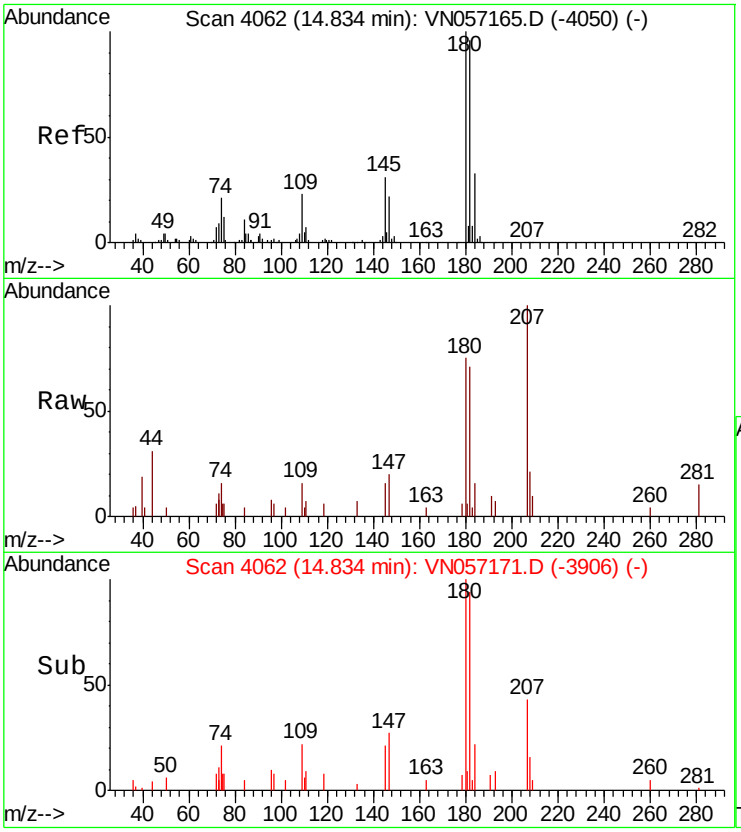


#91
Naphthalene
Concen: 0.408 ug/l
RT: 14.67 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion:128 Resp: 5440

Ion	Ratio	Lower	Upper
128	100		
127	3.9	10.2	15.4#
129	8.0	8.6	13.0#





#92
1,2,3-Trichlorobenzene
Concen: 8.988 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tgt Ion:180 Resp: 5881

Ion	Ratio	Lower	Upper
180	100		
182	81.2	0.0	195.8
145	18.0	0.0	61.2