Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058680.D
Acq On : 10 Oct 2019 21:30
Operator : JC/SP
Sample : K5301-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EFF-WASTE-WATER

Quant Time: Oct 11 08:56:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.18	128	69039	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.57	114	410665	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	360102	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.01	65	191158	32.62	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 108.73%				
60) 4-Bromofluorobenzene	12.40	95	182796	29.02	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 96.73%				
63) Toluene-d8	10.09	98	512838	30.16	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.53%				
Target Compounds							Qvalue
12) Methyl Acetate	4.31	43	1306234	226.016	ug/l		97
15) Acetone	3.79	58	2667593	3946.365	ug/l	#	50
20) Diisopropyl ether	5.92	45	16639	1.136	ug/l	#	78
25) Chloroform	7.36	83	9214	1.139	ug/l		93
30) 2-Butanone	6.82	43	9572	2.620	ug/l	#	74
44) Isopropyl Acetate	8.15	43	5273952	454.098	ug/l		93
58) 4-Methyl-2-Pentanone	9.98	43	96365	14.669	ug/l		99
59) 2-Hexanone	10.75	43	16035	3.114	ug/l		98

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

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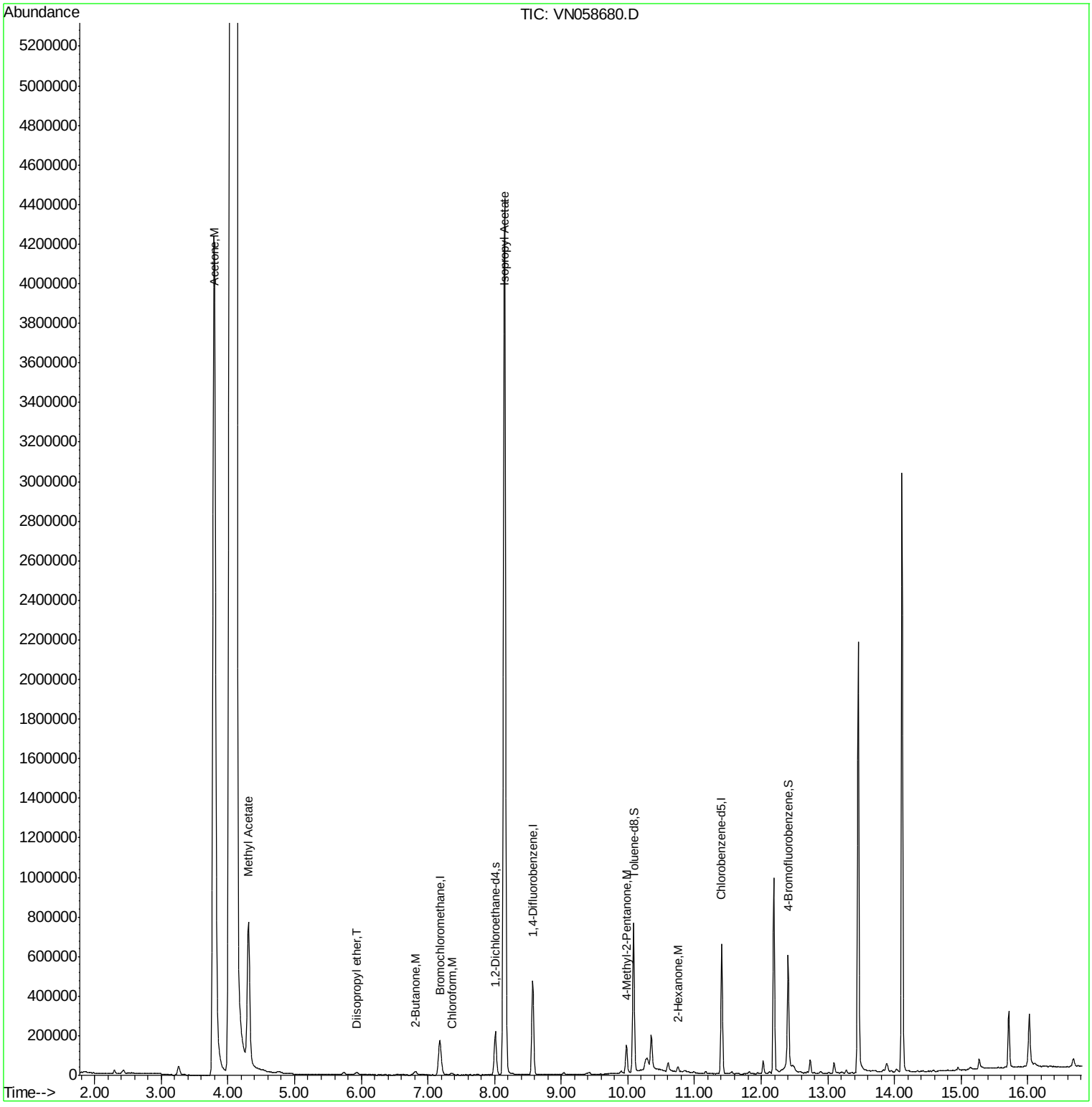
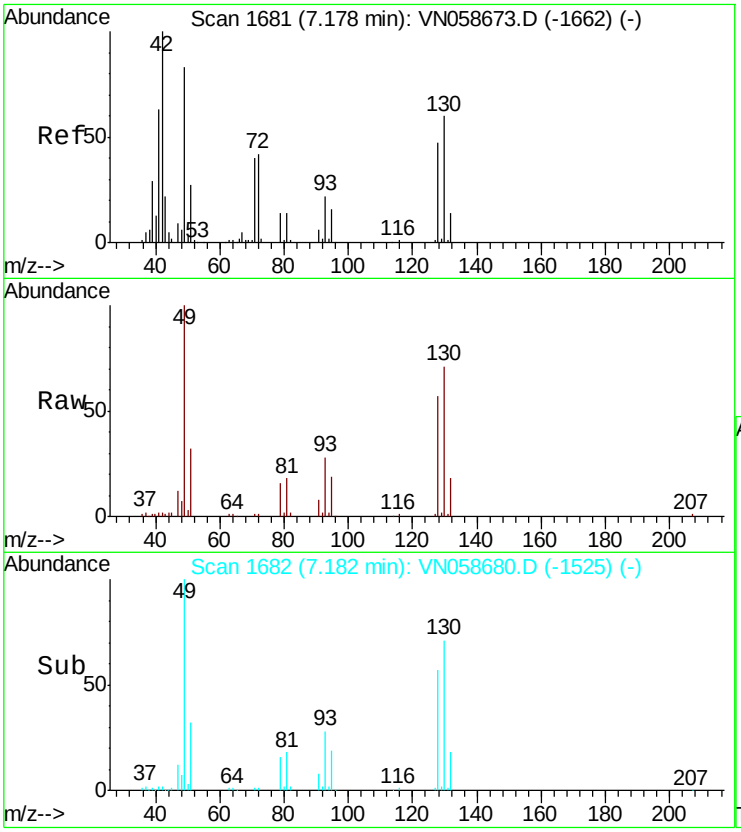
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration



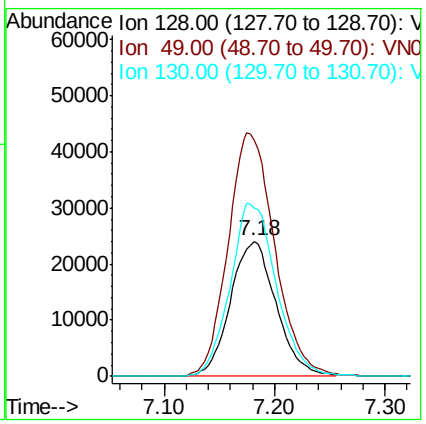


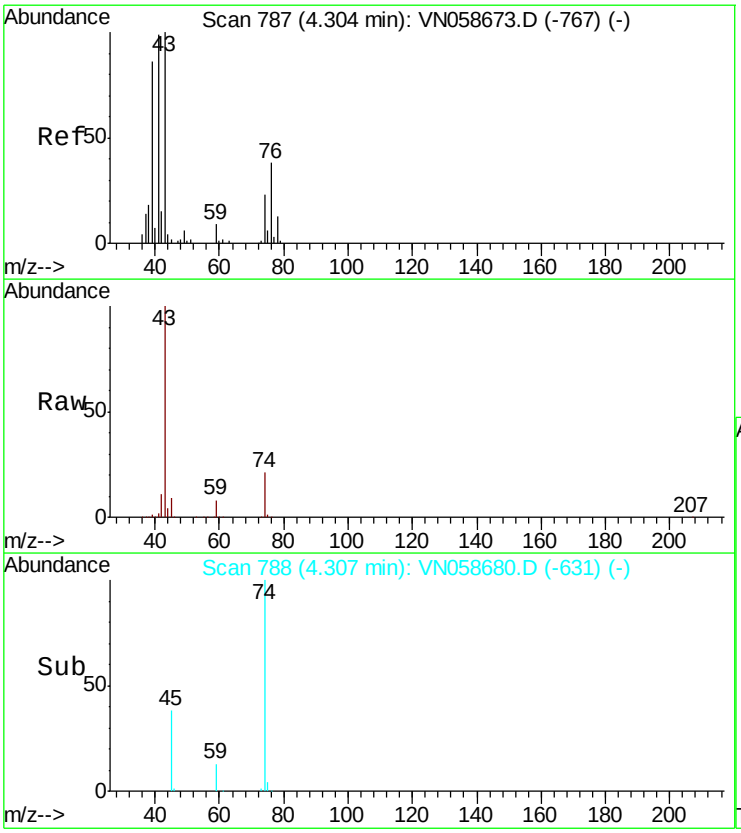
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:128 Resp: 69039

Ion	Ratio	Lower	Upper
128	100		
49	184.0	0.0	453.5
130	129.6	0.0	314.2

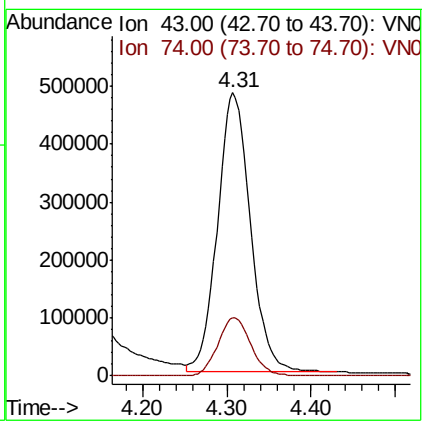


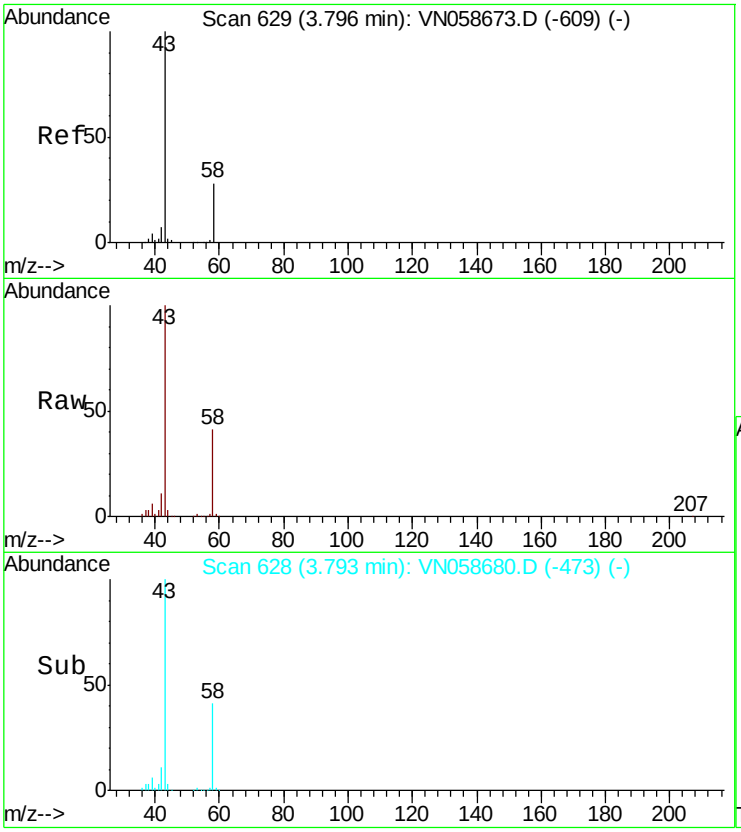


#12
Methyl Acetate
Concen: 226.016 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 43 Resp: 1306234

Ion	Ratio	Lower	Upper
43	100		
74	21.2	18.1	27.1



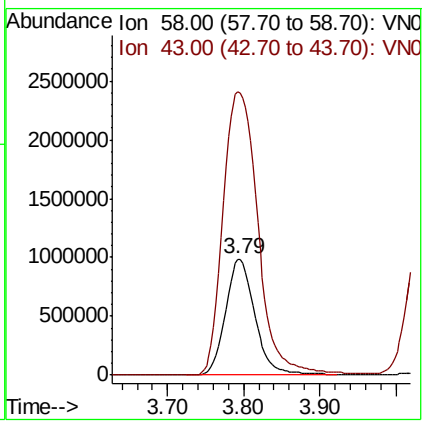


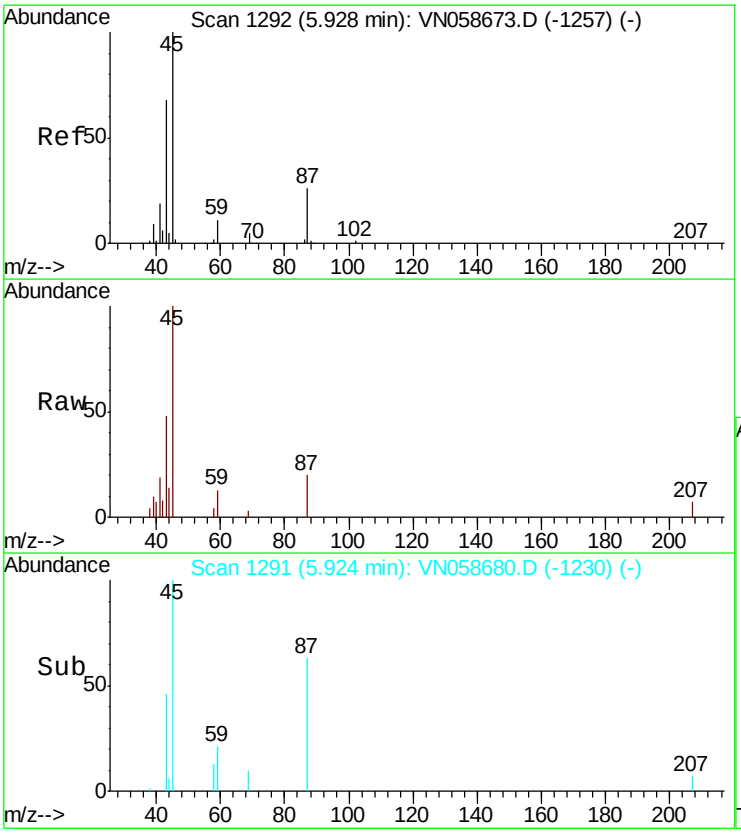
#15
Acetone
Concen: 3946.365 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 58 Resp: 2667593

Ion	Ratio	Lower	Upper
58	100		
43	243.7	281.7	422.5#

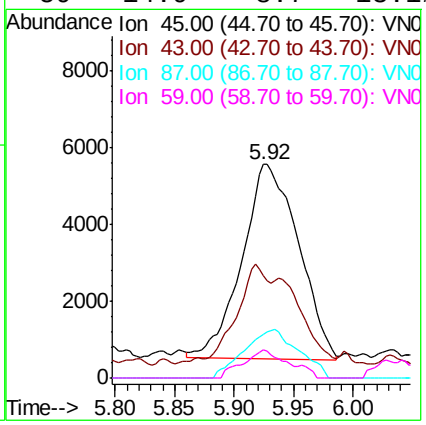


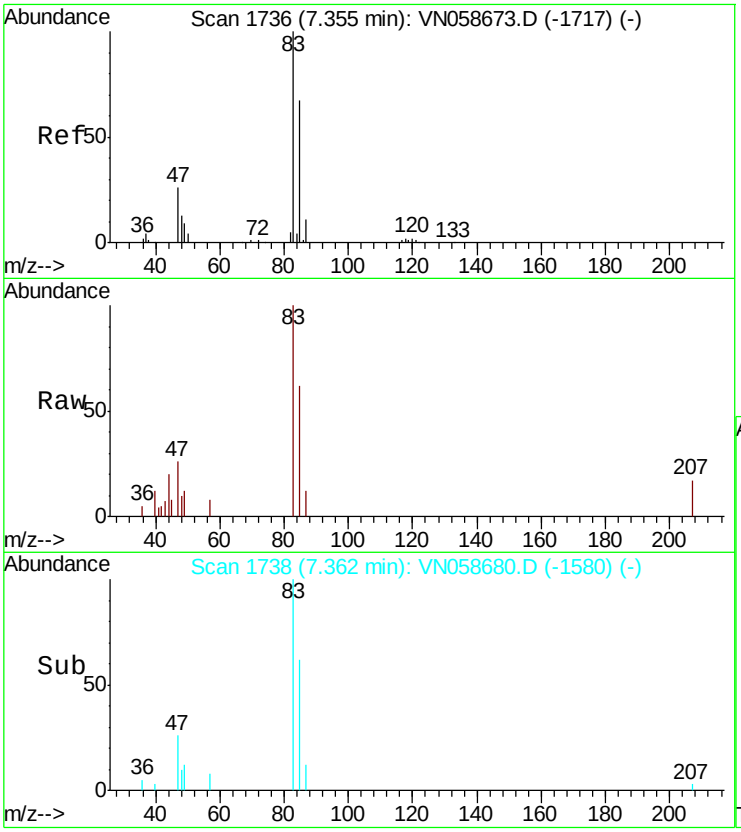


#20
Diisopropyl ether
Concen: 1.136 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 45 Resp: 16639

Ion	Ratio	Lower	Upper
45	100		
43	44.7	54.7	82.1#
87	22.4	21.5	32.3
59	14.9	8.7	13.1#

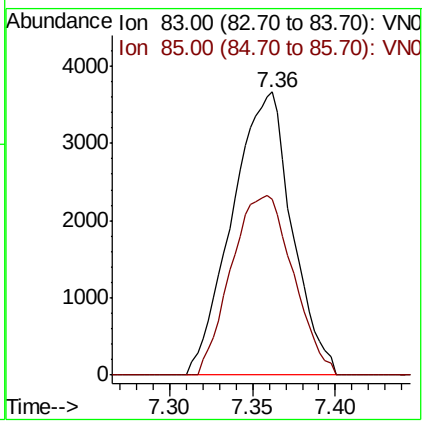




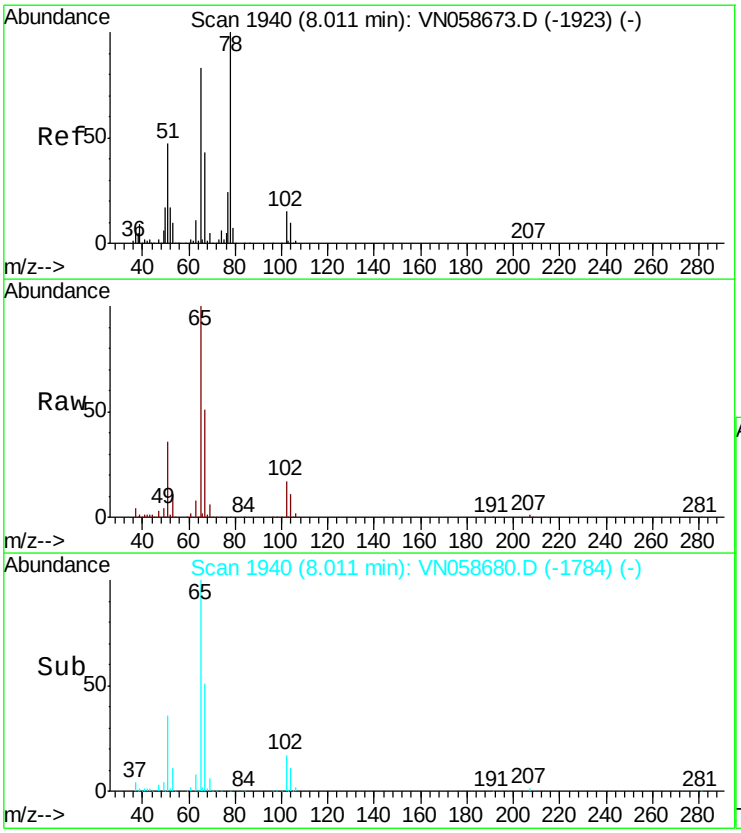
#25
Chloroform
Concen: 1.139 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 83 Resp: 9214

Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.8	80.8



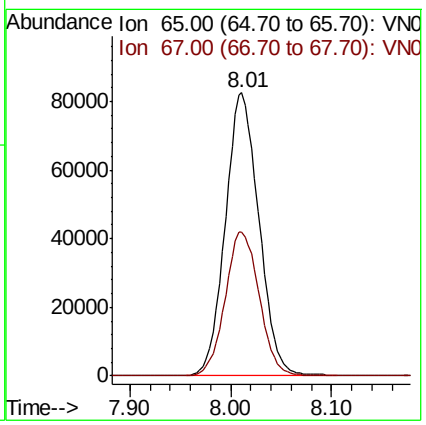
Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

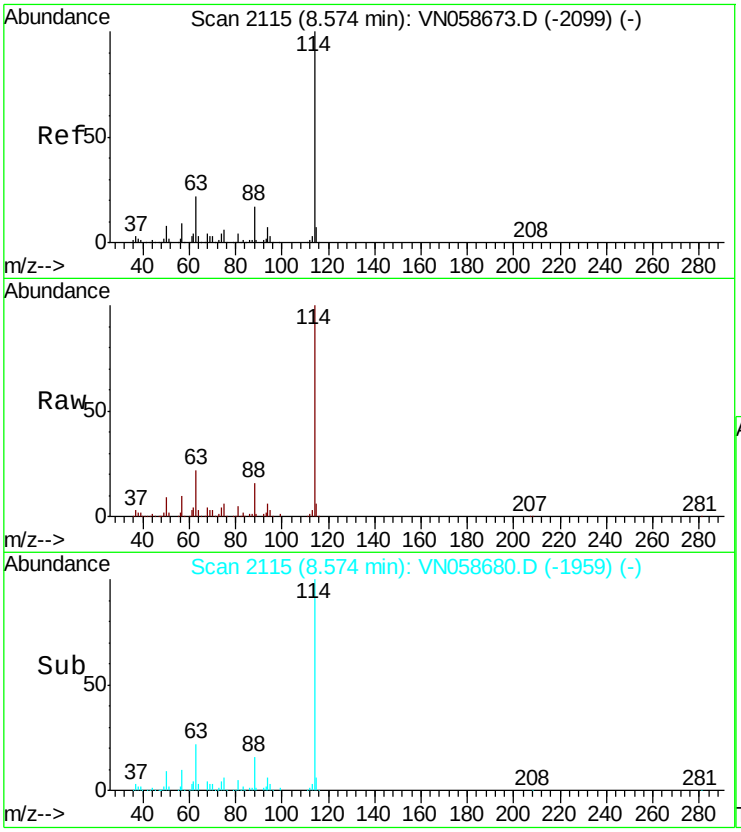


#27
1,2-Dichloroethane-d4
Concen: 32.623 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 65 Resp: 191158

Ion	Ratio	Lower	Upper
65	100		
67	51.3	41.5	62.3



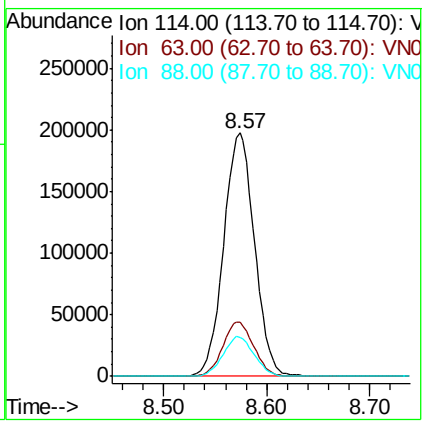


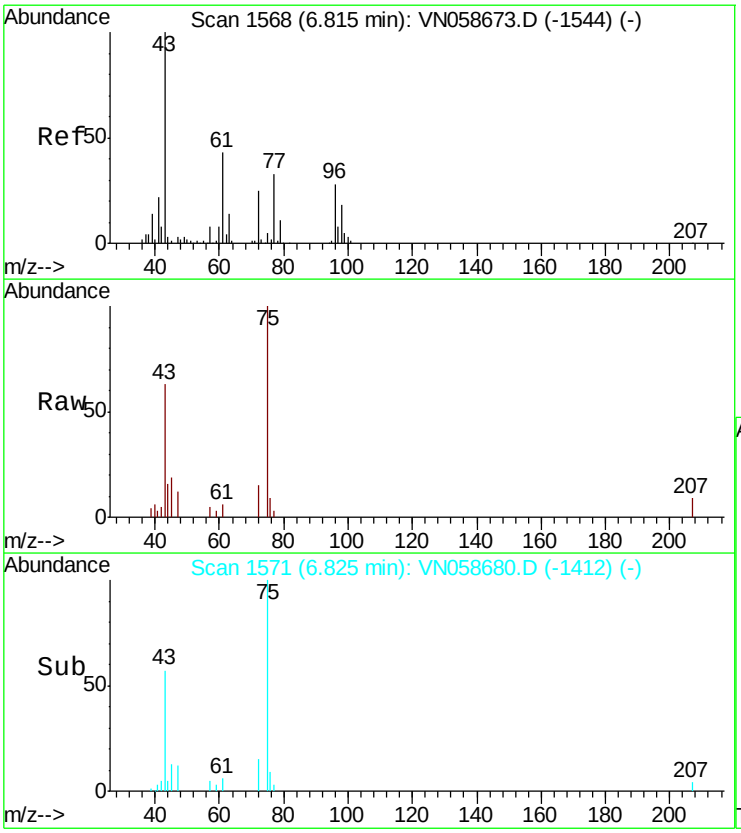
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:114 Resp: 410665

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.1	27.1
88	16.4	13.0	19.4

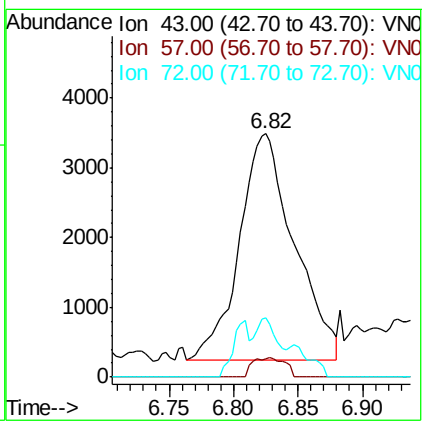


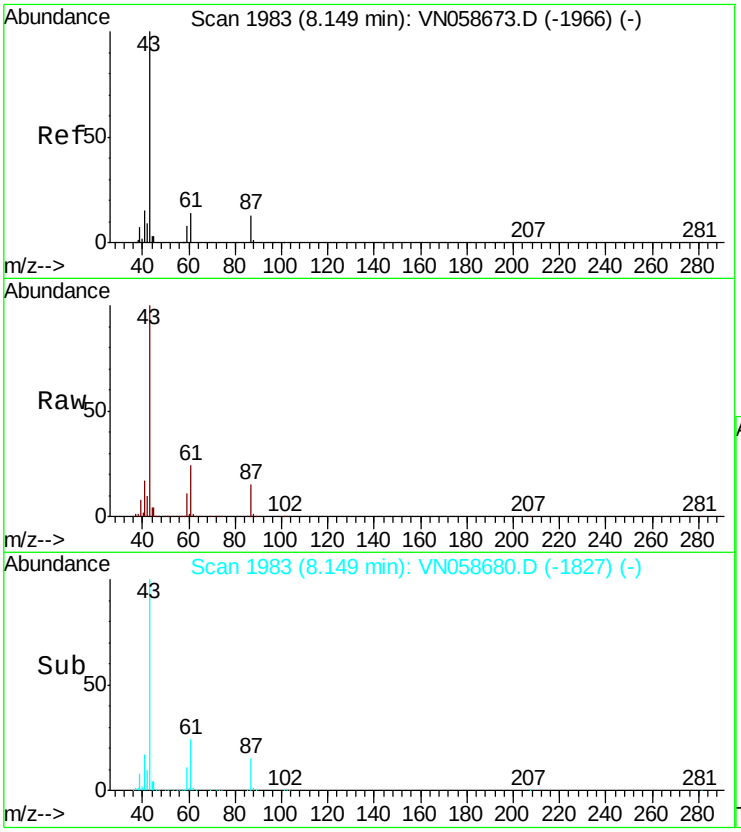


#30
2-Butanone
Concen: 2.620 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 43 Resp: 9572

Ion	Ratio	Lower	Upper
43	100		
57	5.1	6.5	9.7#
72	8.9	20.1	30.1#



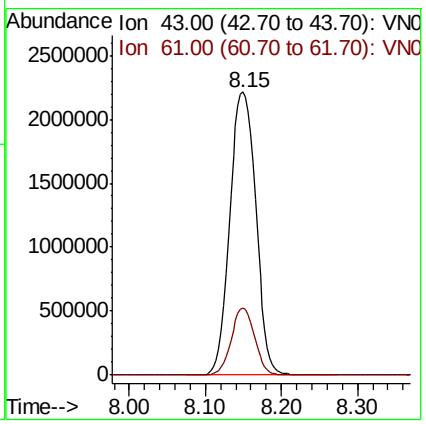


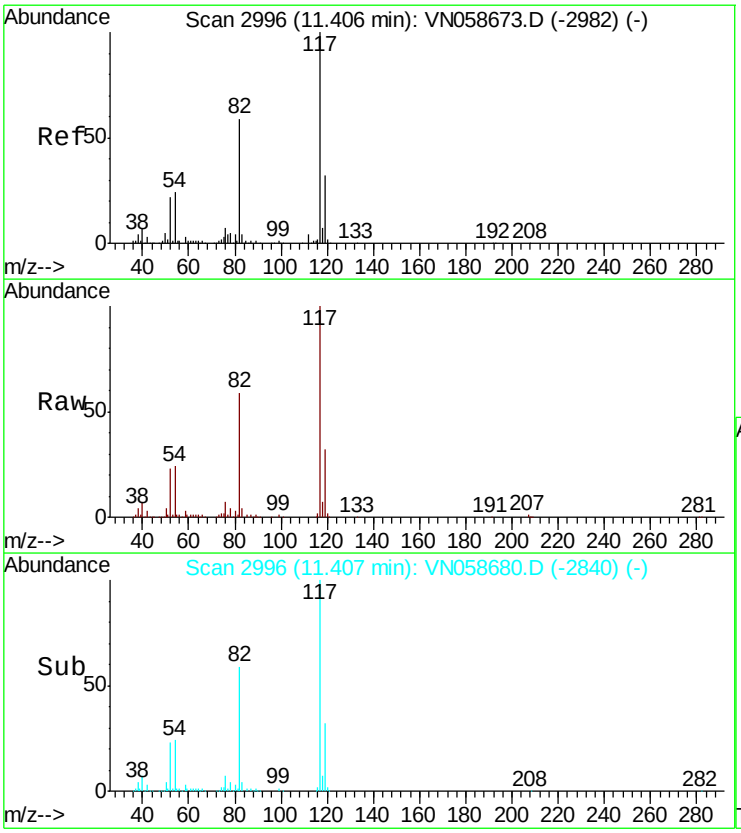
#44
Isopropyl Acetate
Concen: 454.098 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 43 Resp: 5273952

Ion	Ratio	Lower	Upper
43	100		
61	21.3	19.9	29.9

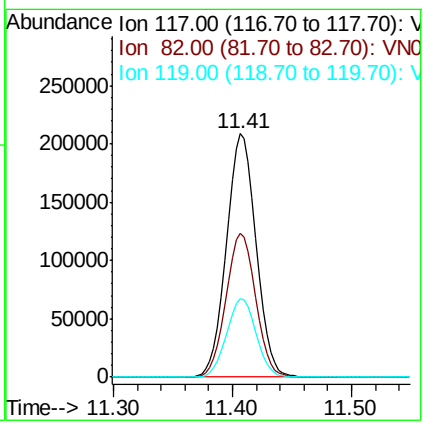


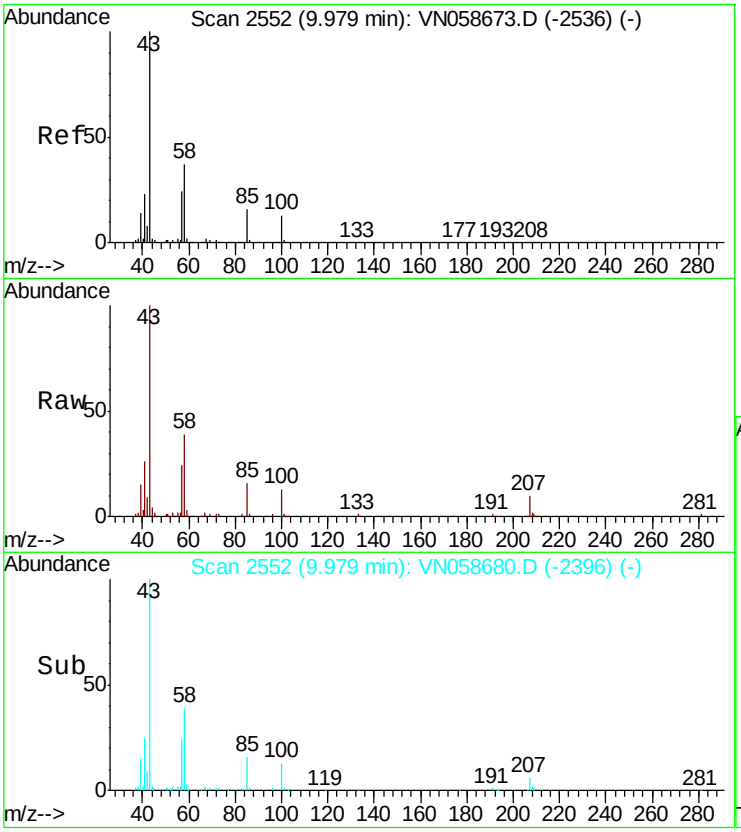


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion:117 Resp: 360102

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.9	70.3
119	32.3	25.8	38.6



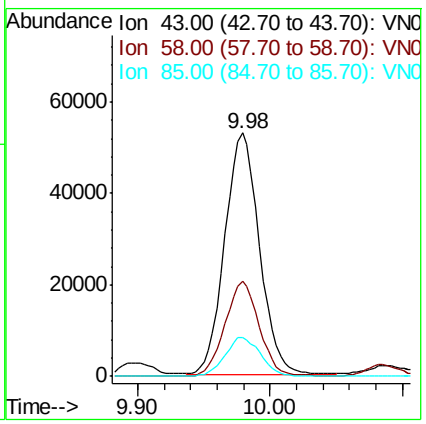


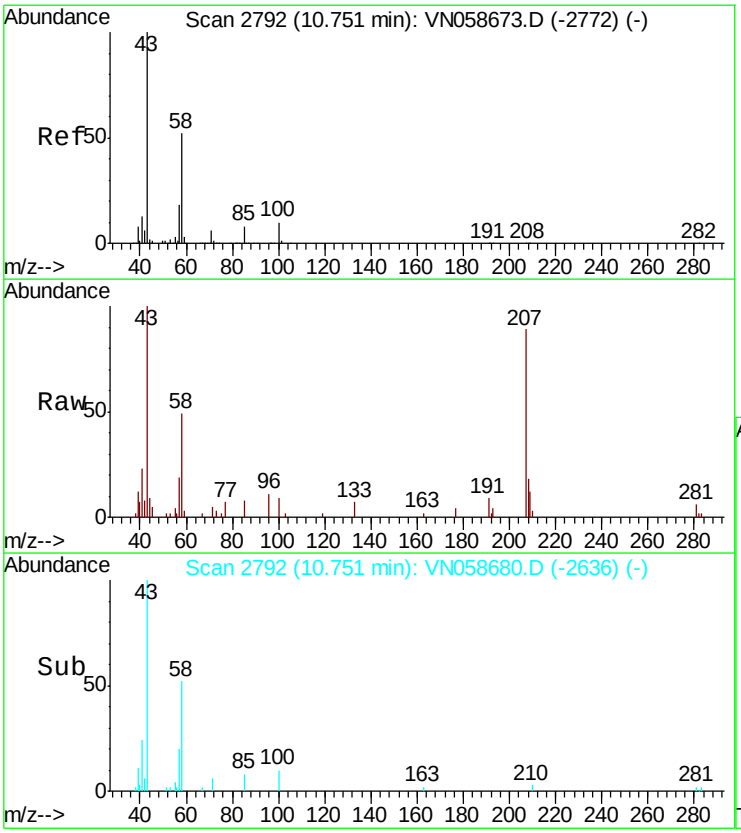
#58
4-Methyl-2-Pentanone
Concen: 14.669 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 43 Resp: 96365

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.1	45.1
85	16.4	13.2	19.8

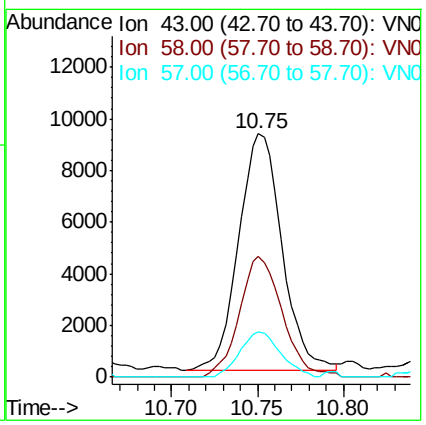


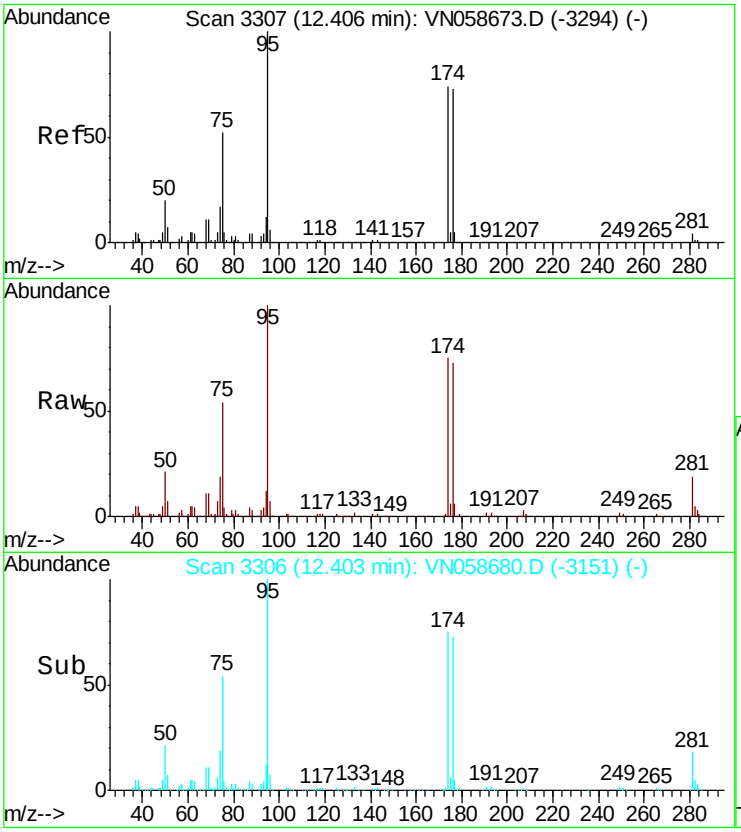


#59
2-Hexanone
Concen: 3.114 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 43 Resp: 16035

Ion	Ratio	Lower	Upper
43	100		
58	50.3	41.4	62.0
57	17.9	14.7	22.1



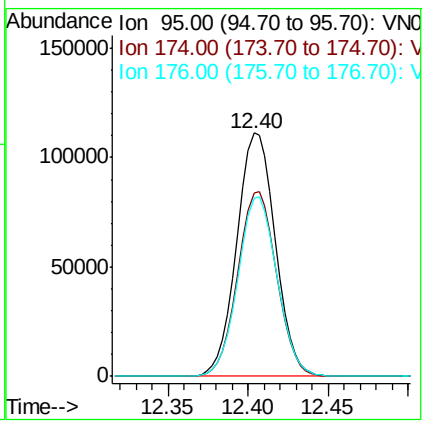


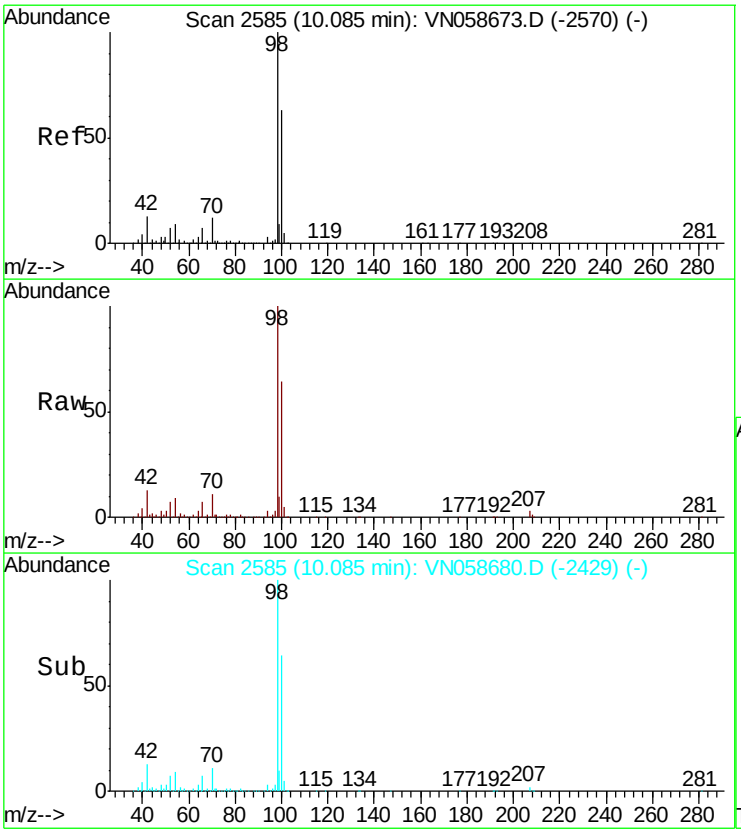
#60
4-Bromofluorobenzene
Concen: 29.019 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Instrument :
MSVOA_N
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion: 95 Resp: 182796

Ion	Ratio	Lower	Upper
95	100		
174	76.3	59.9	89.9
176	74.8	58.3	87.5





#63
Toluene-d8
Concen: 30.162 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058680.D
Acq: 10 Oct 2019 21:30

Tgt Ion: 98 Resp: 512838

Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.6	75.8