Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
Data File : VN053338.D
Acq On : 10 Jan 2019 13:41
Operator : MD\SY
Sample : K1103-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Quant Time: Jan 11 05:41:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	154353	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	875416	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	776753	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	294832	30.07	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.23%				
60) 4-Bromofluorobenzene	12.40	95	341743	28.75	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 95.83%				
63) Toluene-d8	10.09	98	1034172	29.55	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.50%				
Target Compounds							Qvalue
5) Bromomethane	2.57	94	1884	0.246	ug/l		92
13) Acrolein	3.61	56	1706	2.038	ug/l	#	49
14) Acrylonitrile	4.99	53	19501	6.218	ug/l	#	88
15) Acetone	3.82	58	75929	113.924	ug/l		91
17) Allyl chloride	4.06	41	22546	1.594	ug/l		79
25) Chloroform	7.37	83	986268	58.160	ug/l		100
30) 2-Butanone	6.84	43	2524	0.763	ug/l	#	78
33) Carbon Tetrachloride	7.37	117	11218	0.922	ug/l		95
41) Bromodichloromethane	9.40	83	10444	0.826	ug/l		96
45) 1,4-Dioxane	9.20	88	67	0.796	ug/l	#	1
47) n-amyl Acetate	12.03	43	28631	2.369	ug/l	#	65
50) 1,1,2-Trichloroethane	10.10	97	31424	3.724	ug/l	#	1
56) Bromoform	12.40	173	2551	0.393	ug/l	#	1
59) 2-Hexanone	10.75	43	5218	1.021	ug/l		99
85) n-Butylbenzene	13.62	91	6666	0.232	ug/l		93
88) 1,2-Dibromo-3-Chloropropan	14.11	75	4443	3.313	ug/l	#	1
89) 1,2,4-Trichlorobenzene	14.91	180	5011	0.570	ug/l		95
90) Hexachlorobutadiene	15.01	225	1946	0.366	ug/l		88
91) Naphthalene	15.14	128	11407	0.611	ug/l		98
92) 1,2,3-Trichlorobenzene	15.31	180	5445	0.694	ug/l		96

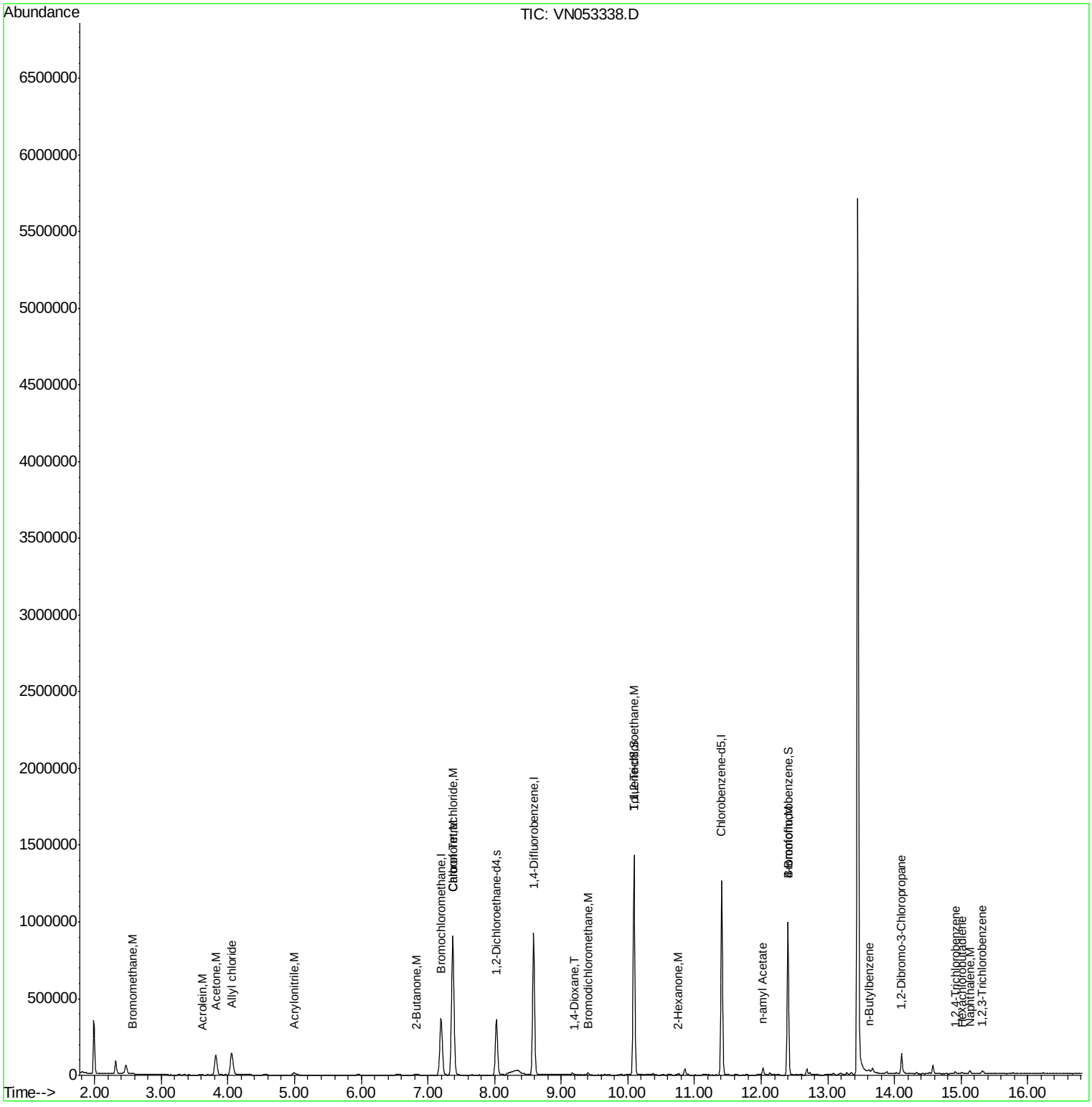
(#) = qualifier out of range (m) = manual integration (+) = signals summed

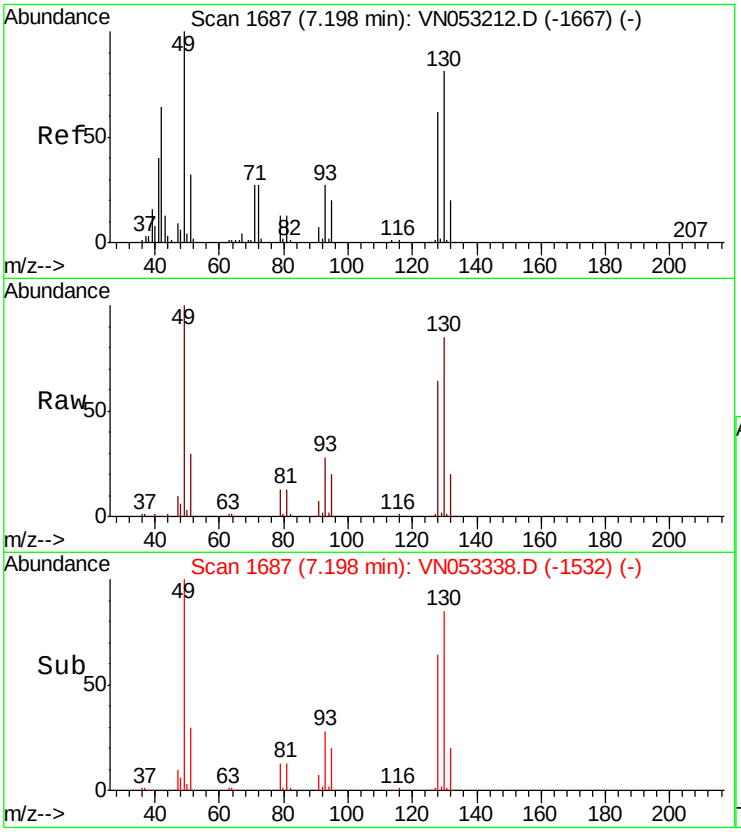
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
Data File : VN053338.D
Acq On : 10 Jan 2019 13:41
Operator : MD\SY
Sample : K1103-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Jan 11 05:41:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration



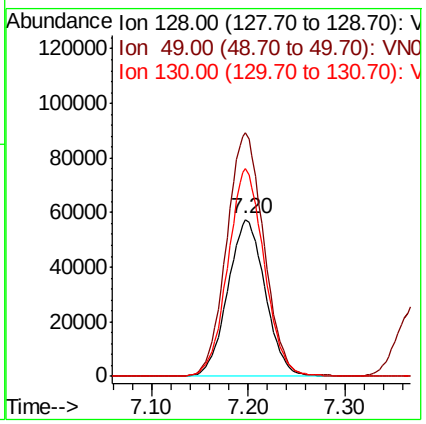


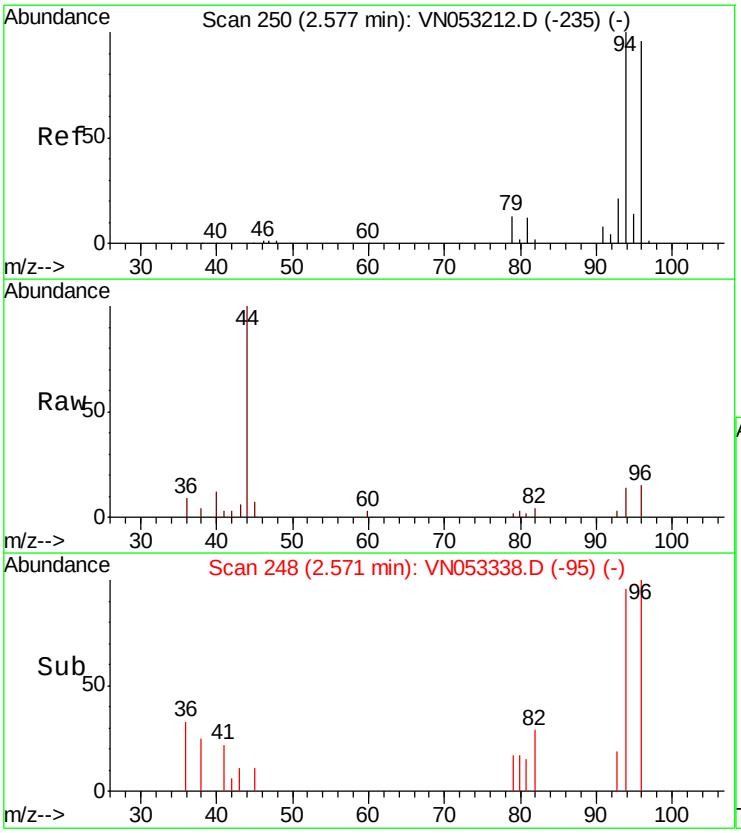
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 154353

Ion	Ratio	Lower	Upper
128	100		
49	154.5	0.0	431.8
130	128.9	0.0	317.0

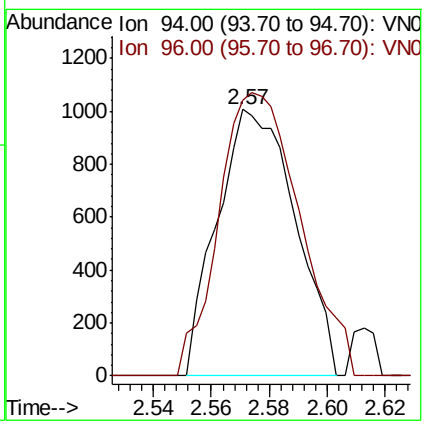


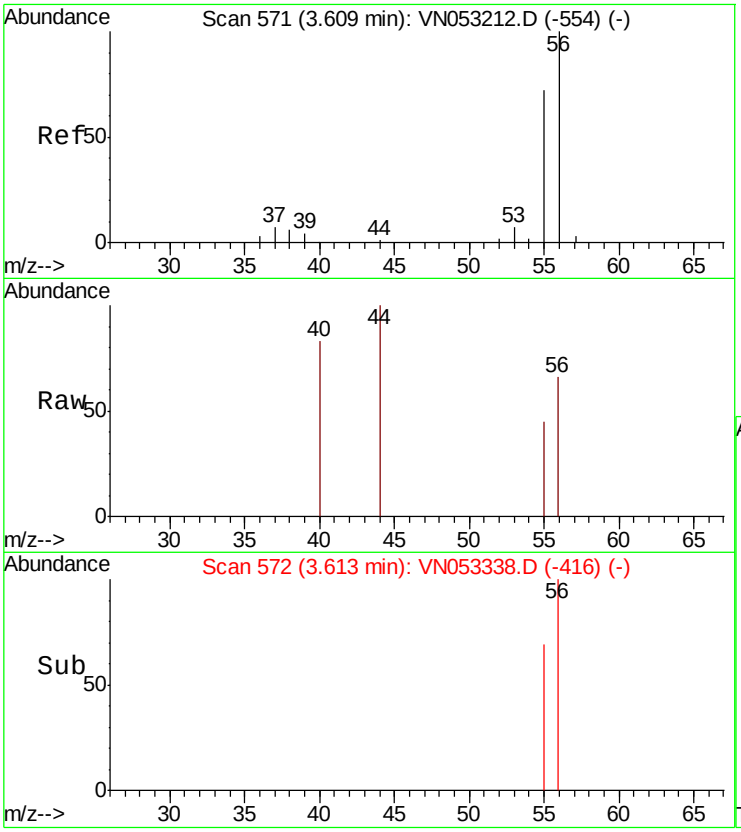


#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.01 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 94 Resp: 1884

Ion	Ratio	Lower	Upper
94	100		
96	87.7	76.2	114.2



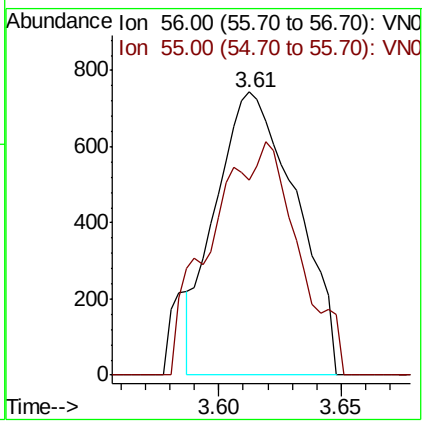


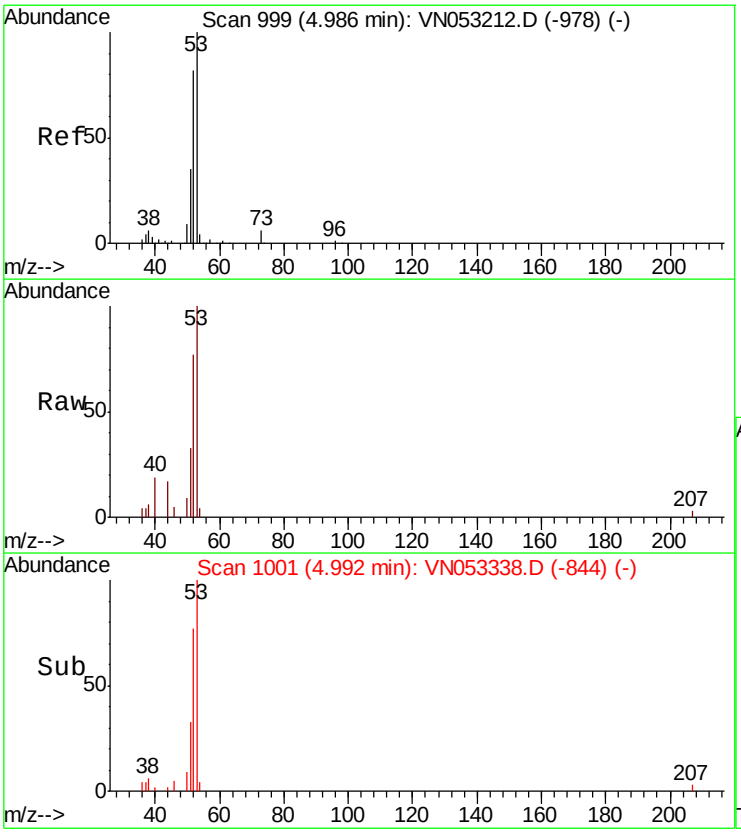
#13
Acrolein
Concen: 2.038 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 56 Resp: 1706

Ion	Ratio	Lower	Upper
56	100		
55	28.5	56.7	85.1#

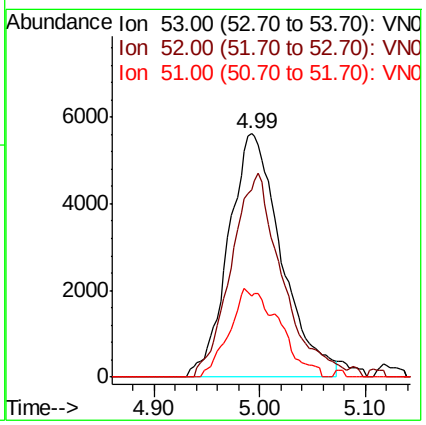


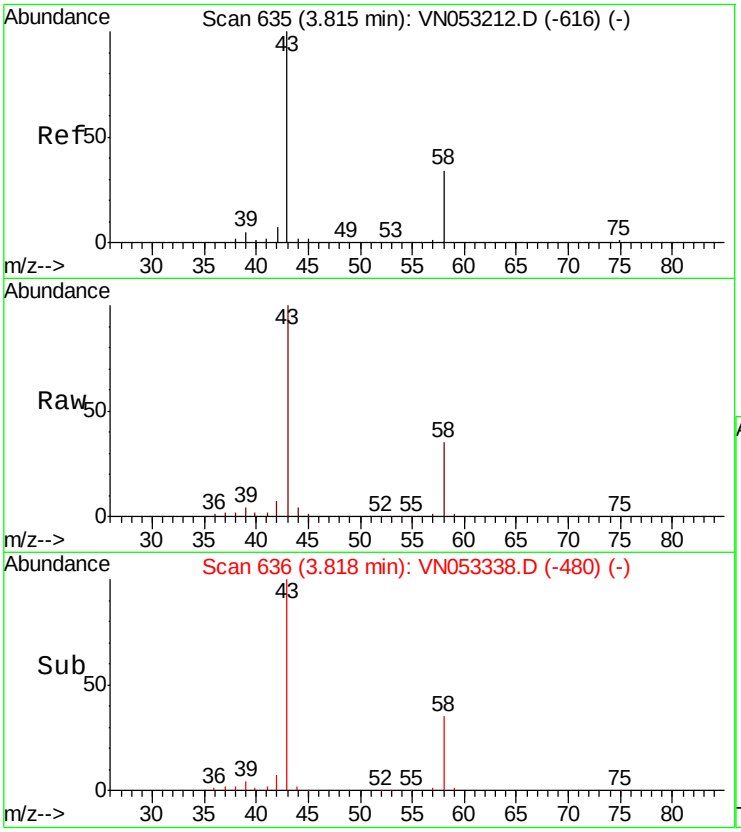


#14
Acrylonitrile
Concen: 6.218 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 53 Resp: 19501

Ion	Ratio	Lower	Upper
53	100		
52	77.3	39.9	119.7
51	15.5	17.6	52.9#



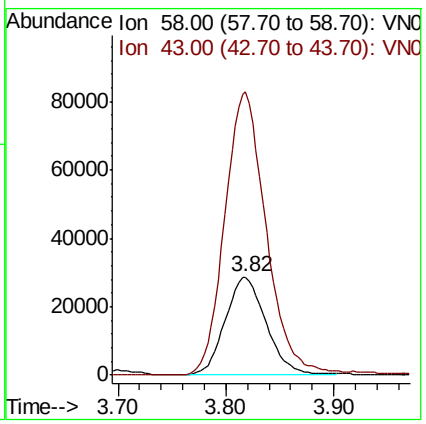


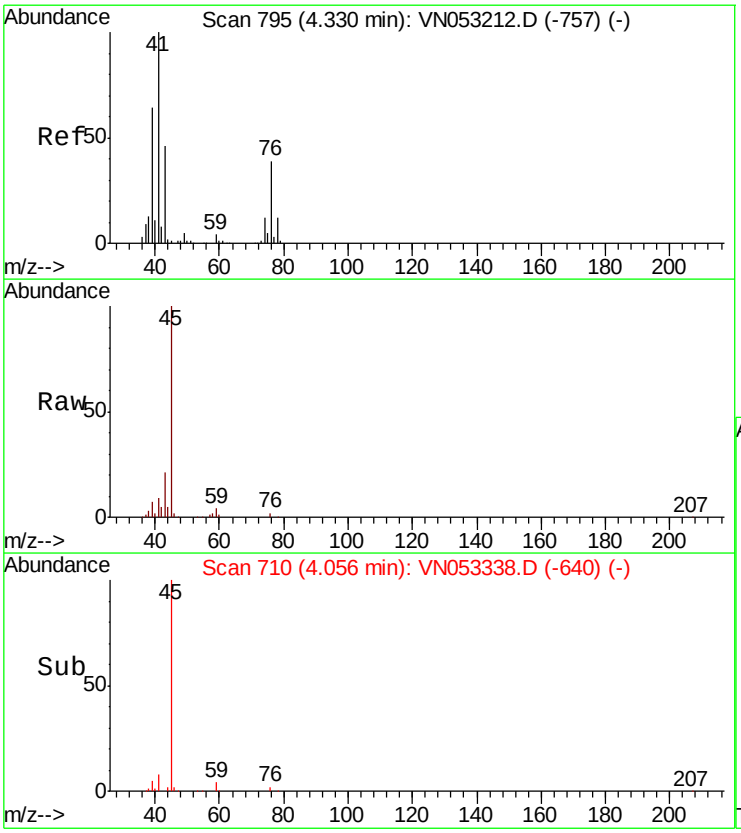
#15
Acetone
Concen: 113.924 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 58 Resp: 75929

Ion	Ratio	Lower	Upper
58	100		
43	287.1	243.6	365.4

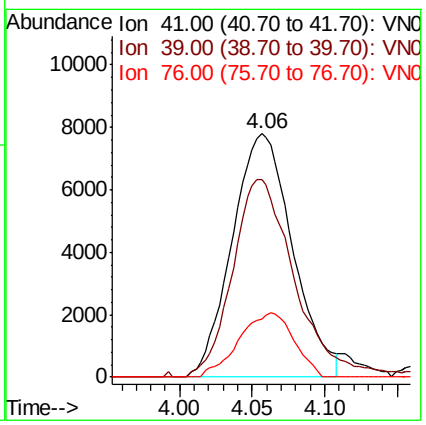


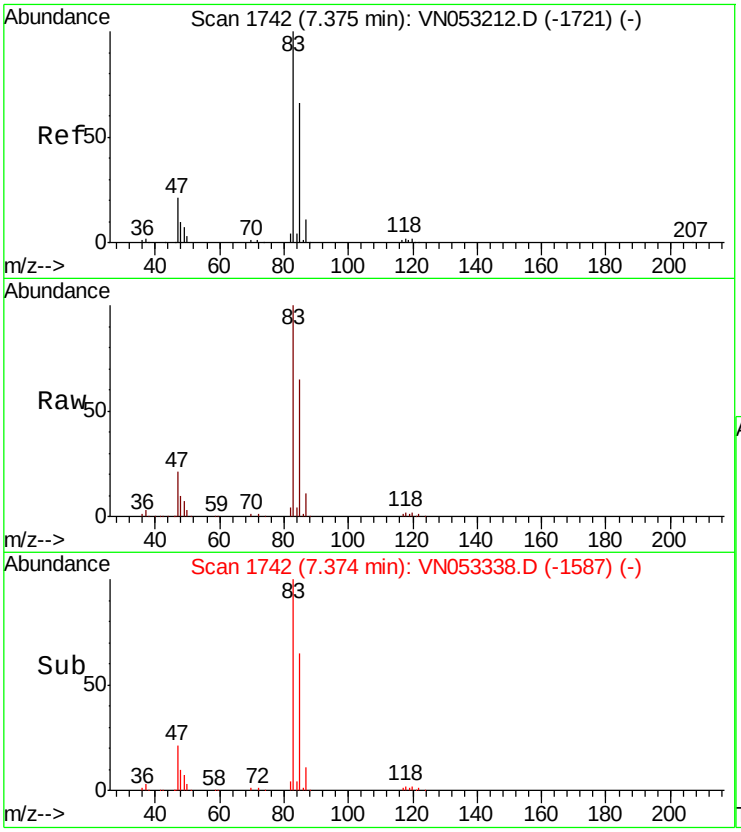


#17
Allyl chloride
Concen: 1.594 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.27 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 41 Resp: 22546

Ion	Ratio	Lower	Upper
41	100		
39	81.2	32.8	98.3
76	23.8	18.6	55.8



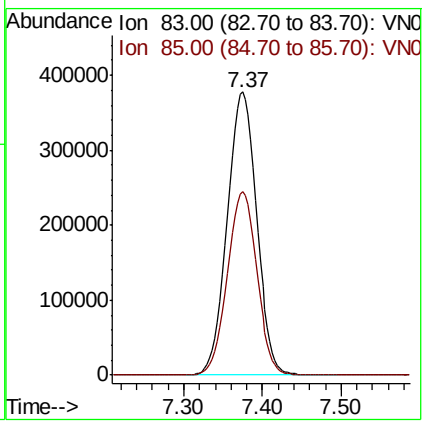


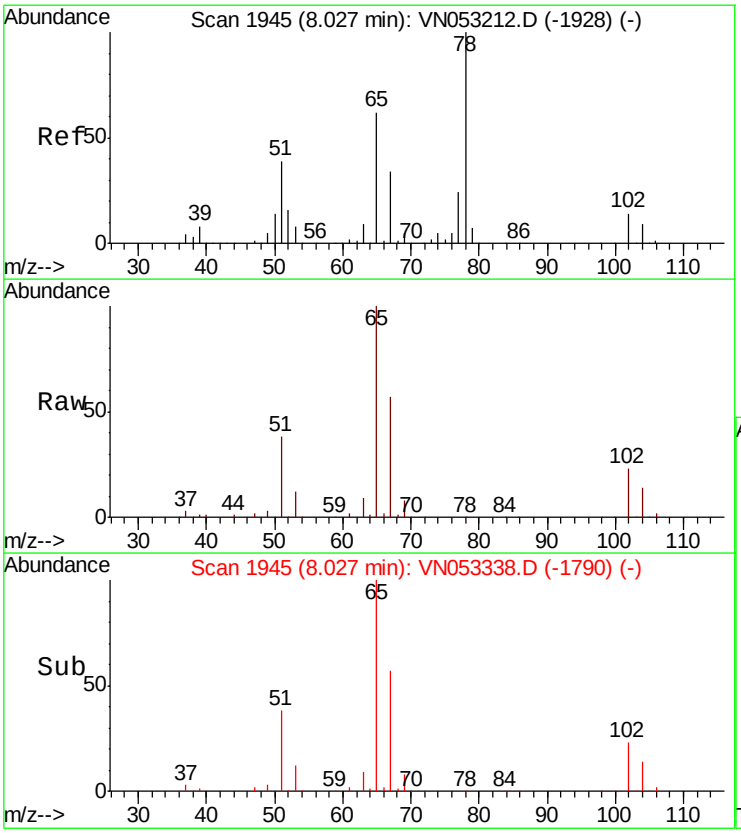
#25
Chloroform
Concen: 58.160 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 83 Resp: 986268

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5

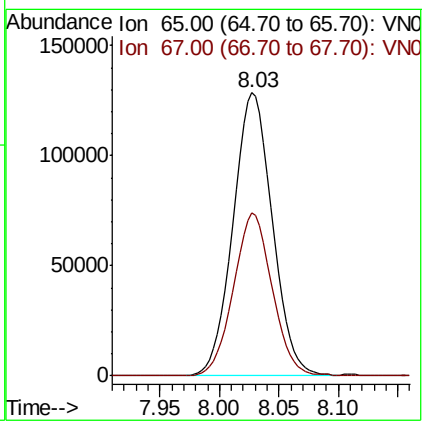


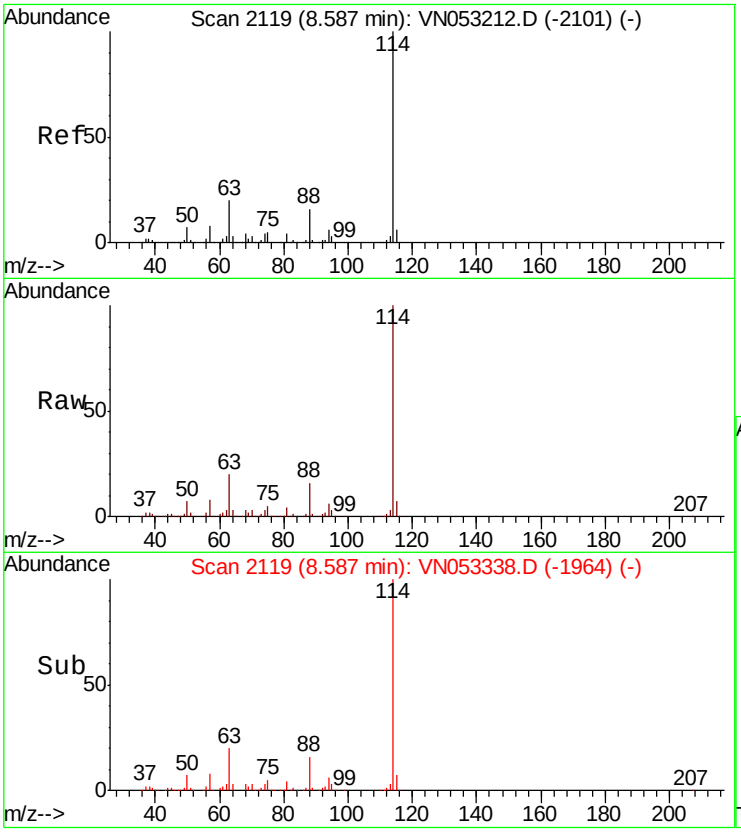


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 65 Resp: 294832

Ion	Ratio	Lower	Upper
65	100		
67	56.5	44.6	66.8



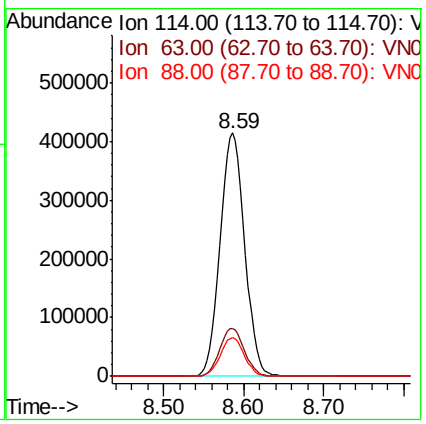


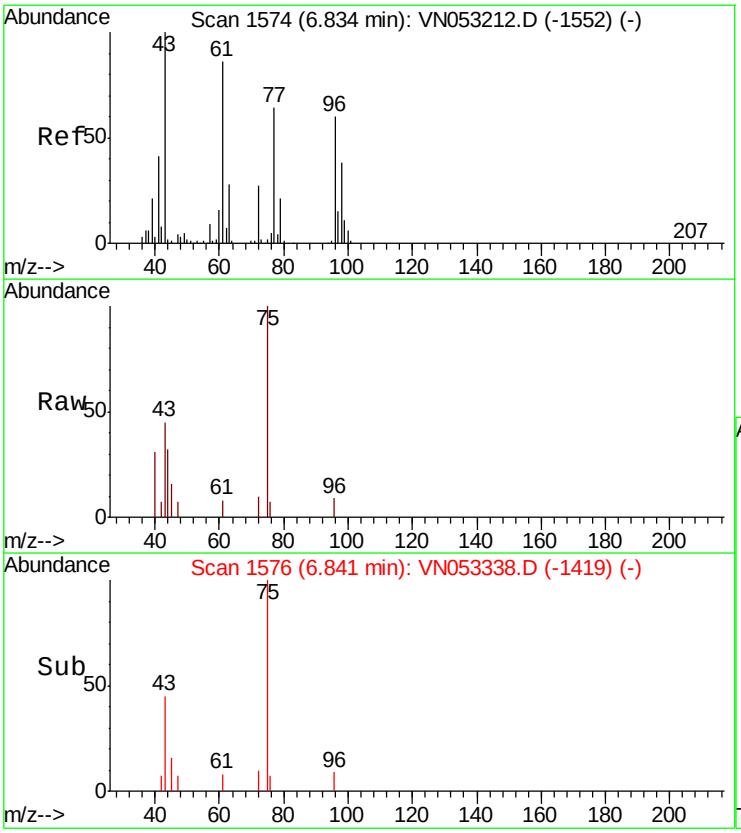
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion:114 Resp: 875416

Ion	Ratio	Lower	Upper
114	100		
63	19.7	16.9	25.3
88	15.5	12.8	19.2

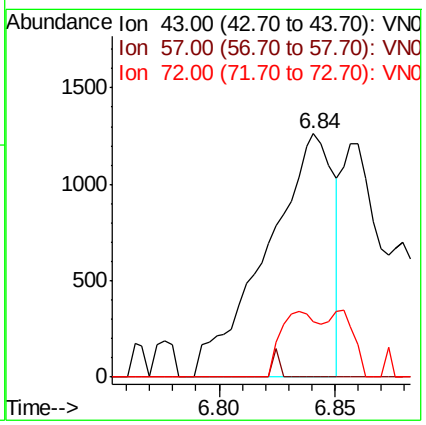


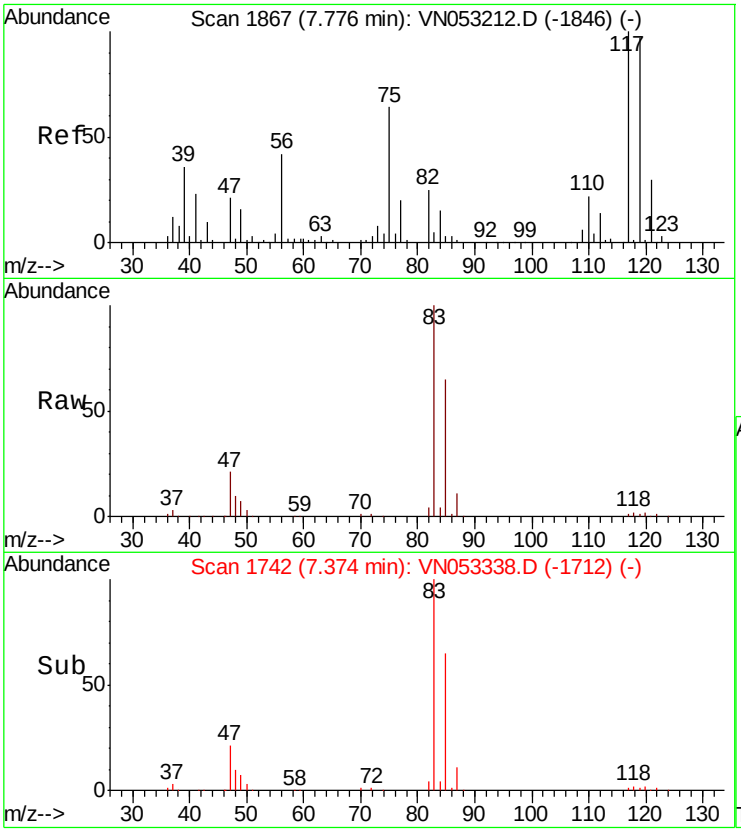


#30
2-Butanone
Concen: 0.763 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 43 Resp: 2524

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.2	9.4#
72	15.4	21.0	31.6#



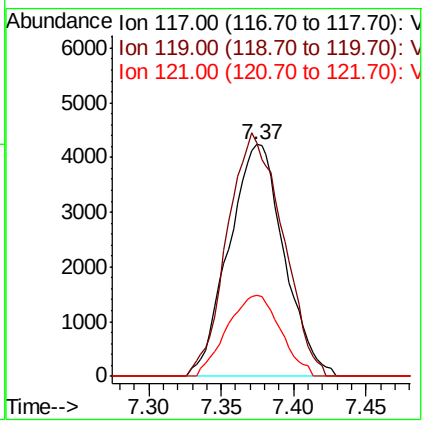


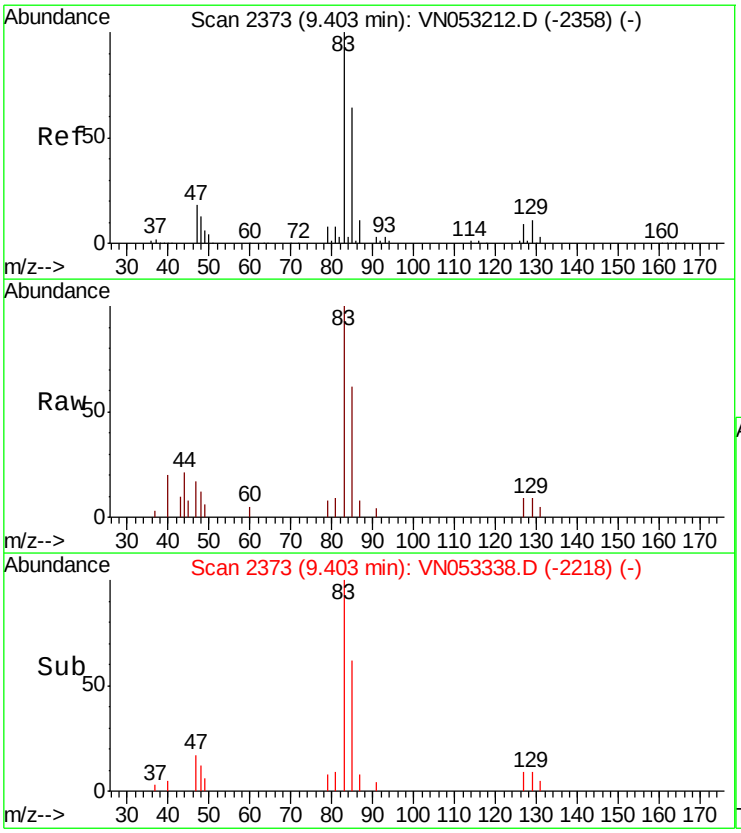
#33
Carbon Tetrachloride
Concen: 0.922 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.40 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:117 Resp: 11218

Ion	Ratio	Lower	Upper
117	100		
119	101.1	77.3	115.9
121	35.1	24.9	37.3

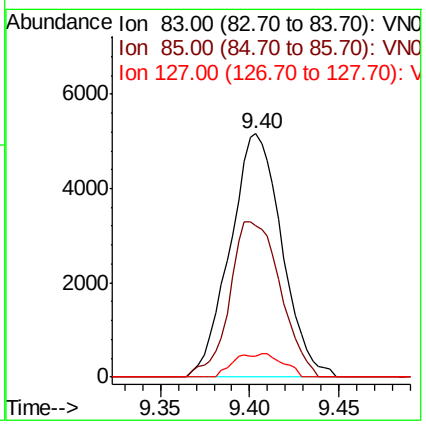


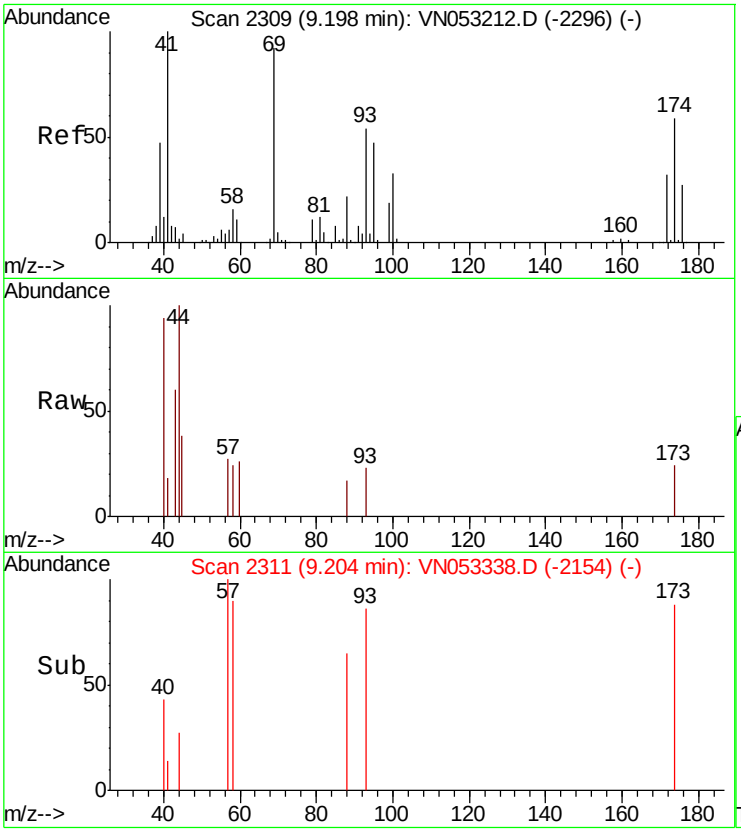


#41
Bromodichloromethane
Concen: 0.826 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 83 Resp: 10444

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.4	78.6
127	8.7	6.6	9.8



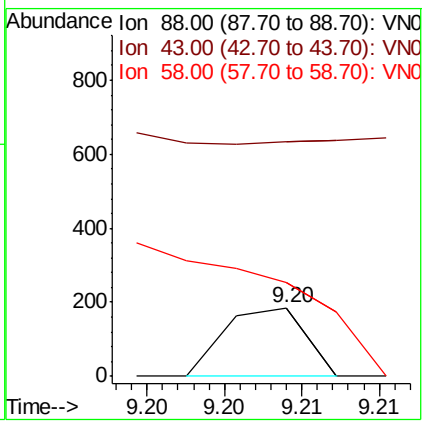


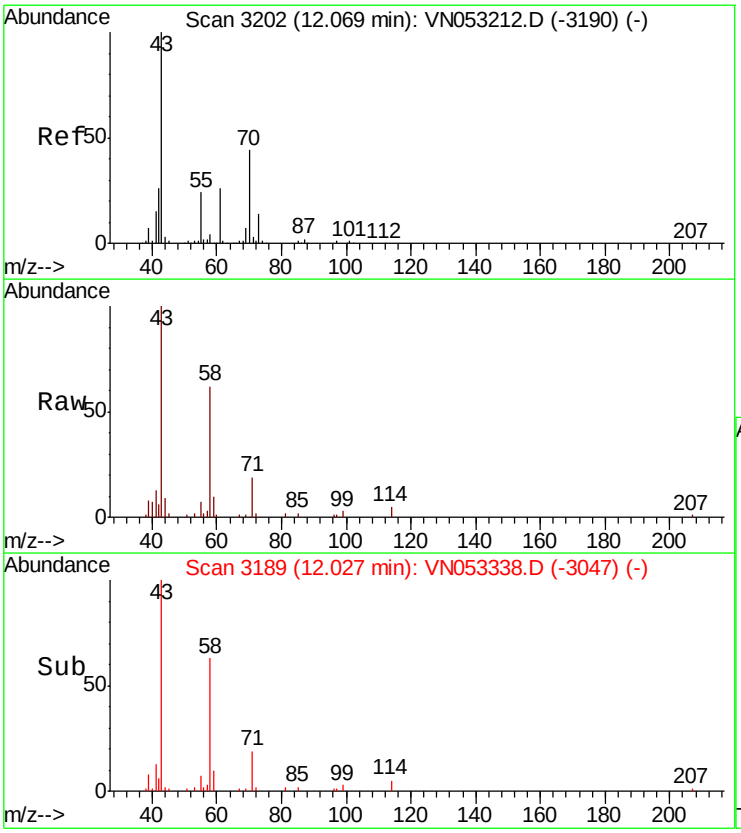
#45
1,4-Dioxane
Concen: 0.796 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 88 Resp: 67

Ion	Ratio	Lower	Upper
88	100		
43	192.5	29.5	44.3#
58	0.0	61.5	92.3#

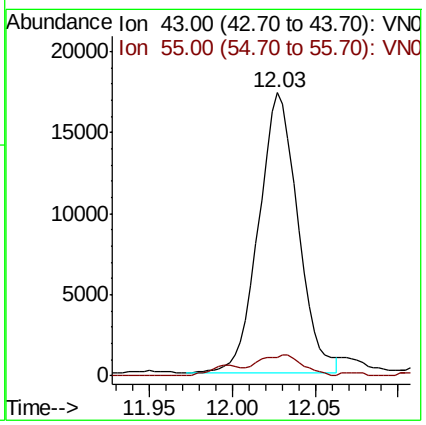


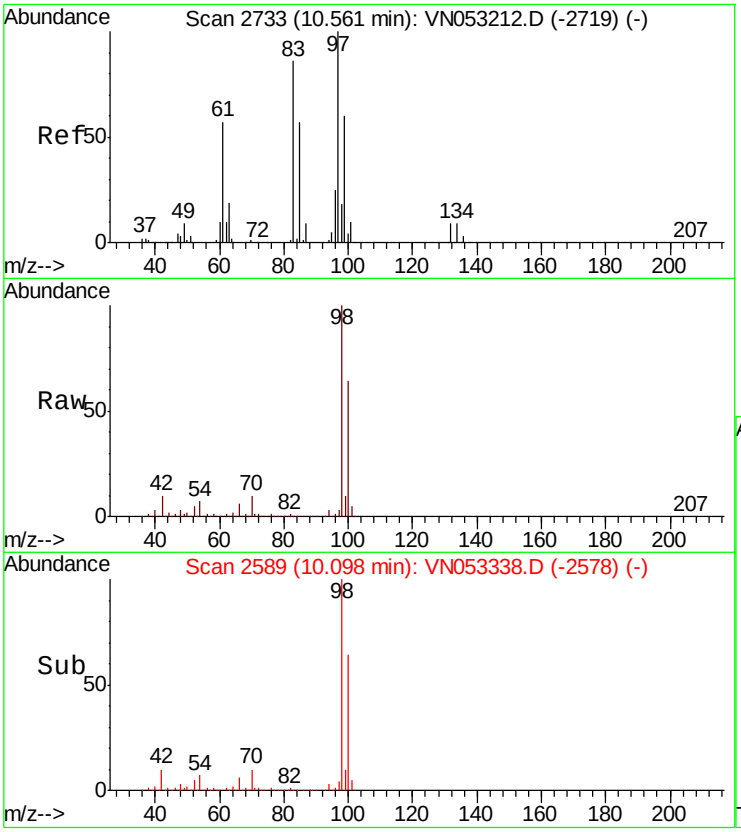


#47
n-amyl Acetate
Concen: 2.369 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 43 Resp: 28631

Ion	Ratio	Lower	Upper
43	100		
55	8.2	21.1	31.7#



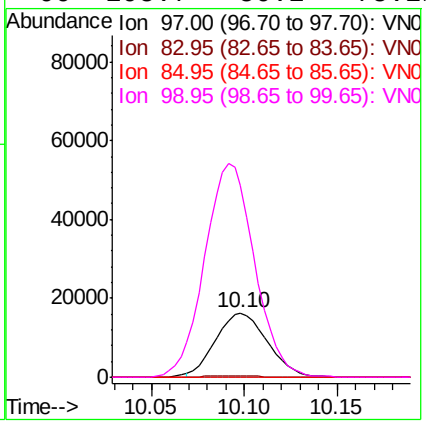


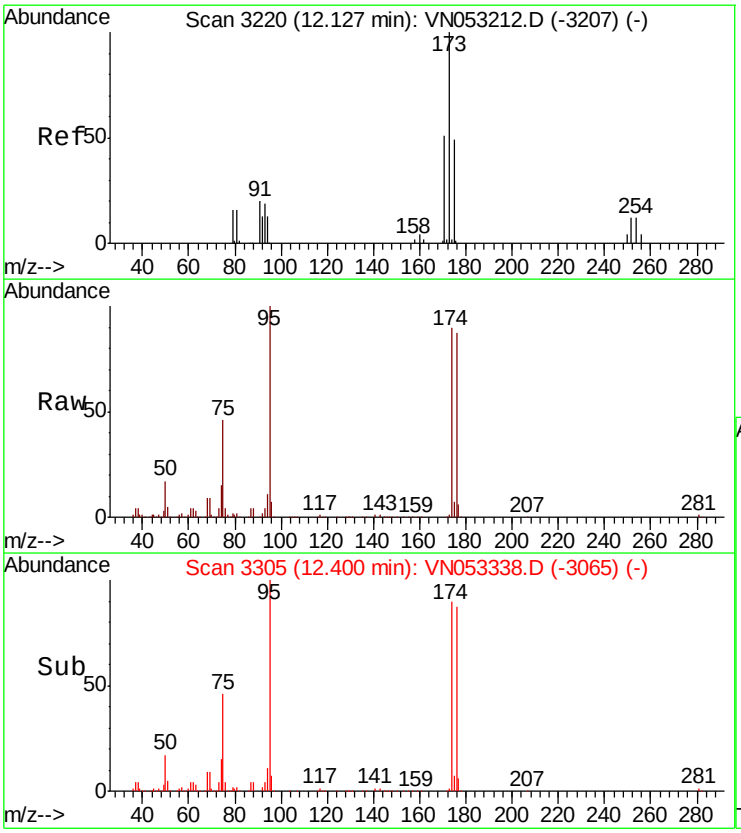
#50
1,1,2-Trichloroethane
Concen: 3.724 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 97 Resp: 31424

Ion	Ratio	Lower	Upper
97	100		
83	2.5	70.4	105.6#
85	0.0	45.0	67.6#
99	295.7	50.2	75.2#

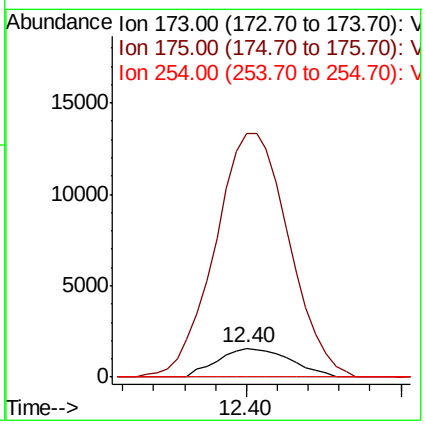


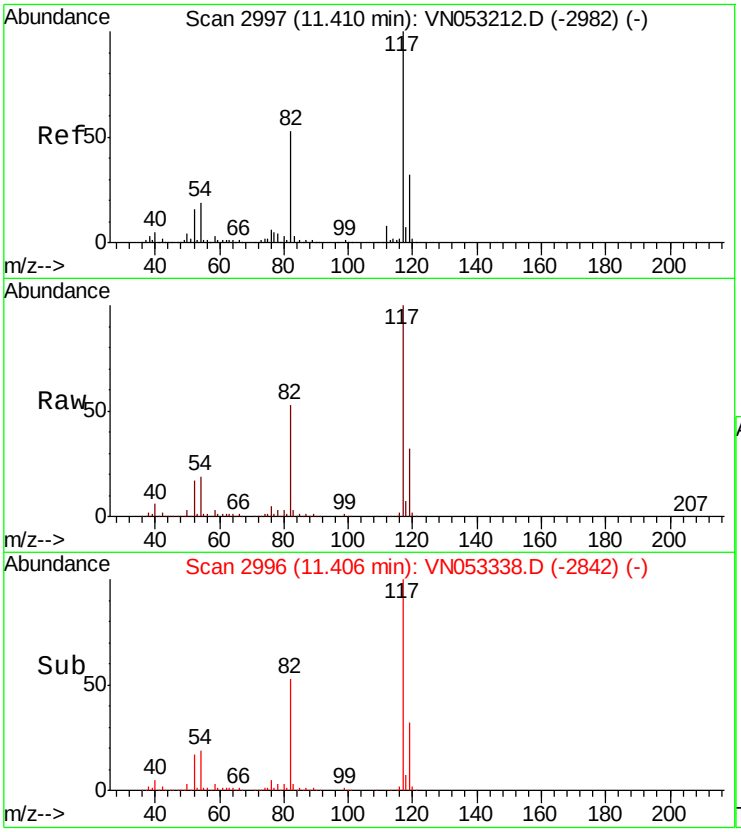


#56
Bromoform
Concen: 0.393 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion:173 Resp: 2551

Ion	Ratio	Lower	Upper
173	100		
175	868.5	38.7	58.1#
254	0.0	8.4	12.6#



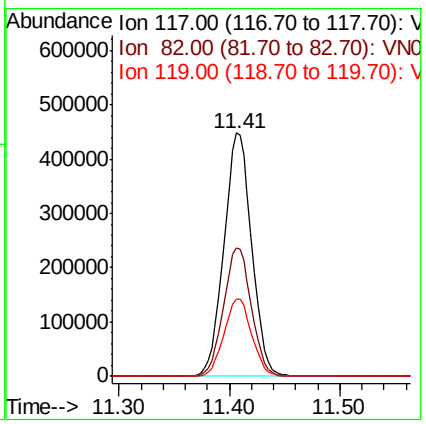


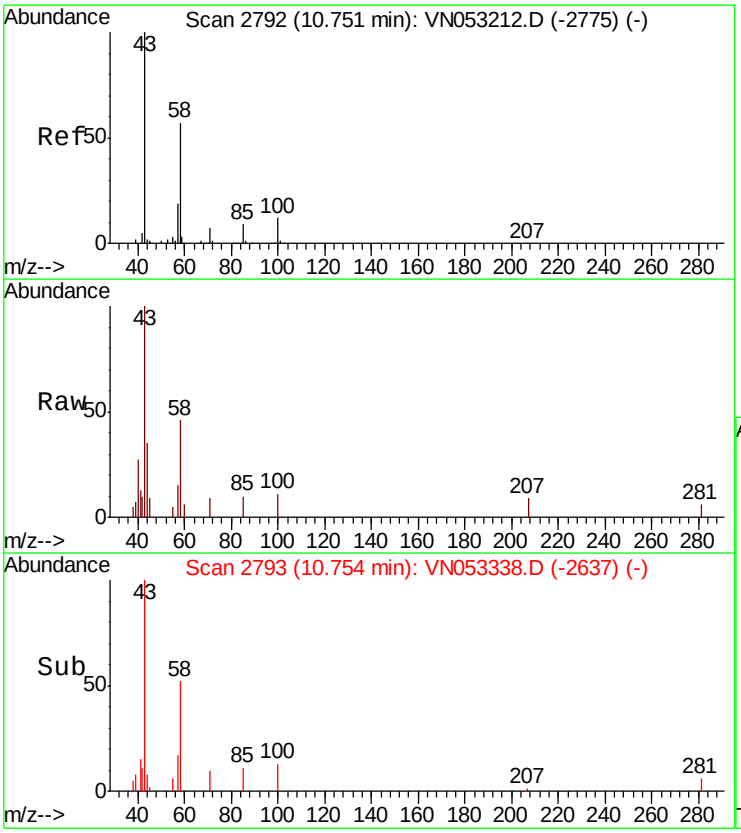
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion:117 Resp: 776753

Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.2	66.2
119	31.9	25.4	38.2

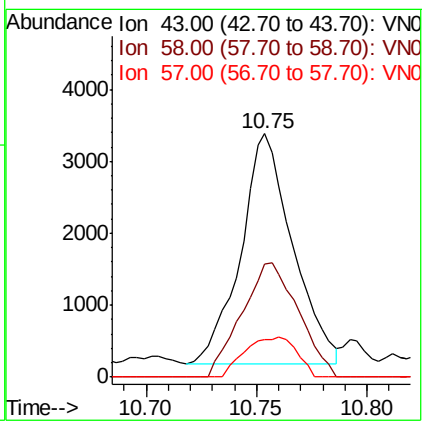


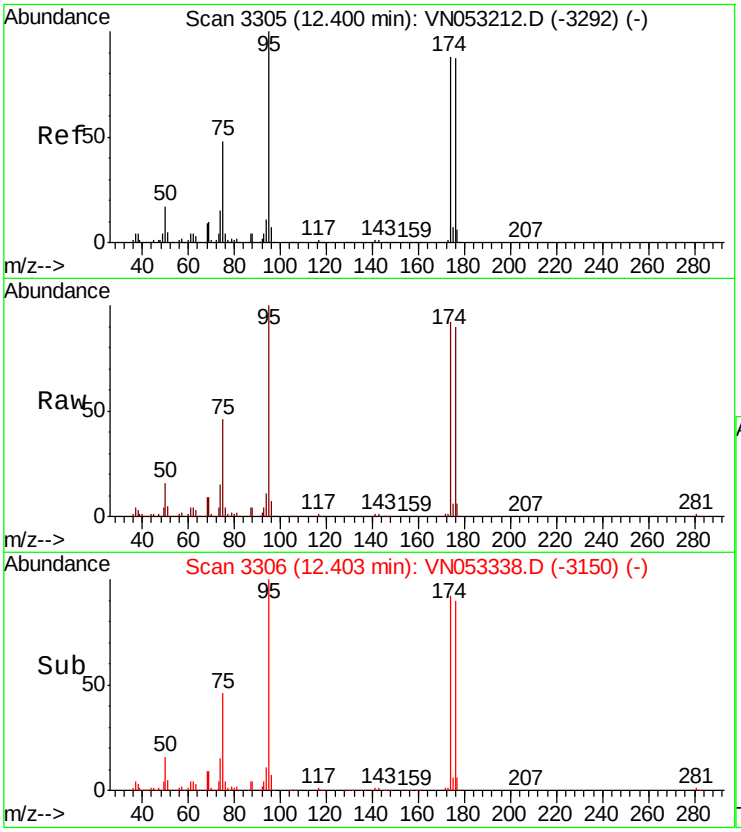


#59
2-Hexanone
Concen: 1.021 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 43 Resp: 5218

Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.2	64.8
57	17.2	14.9	22.3



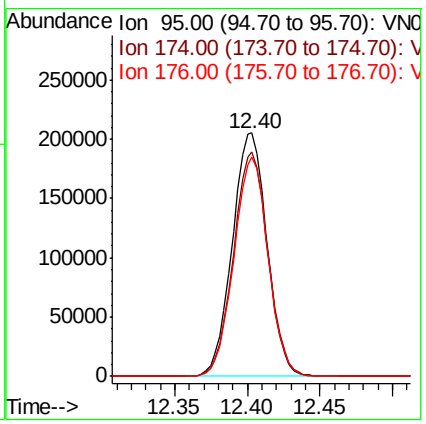


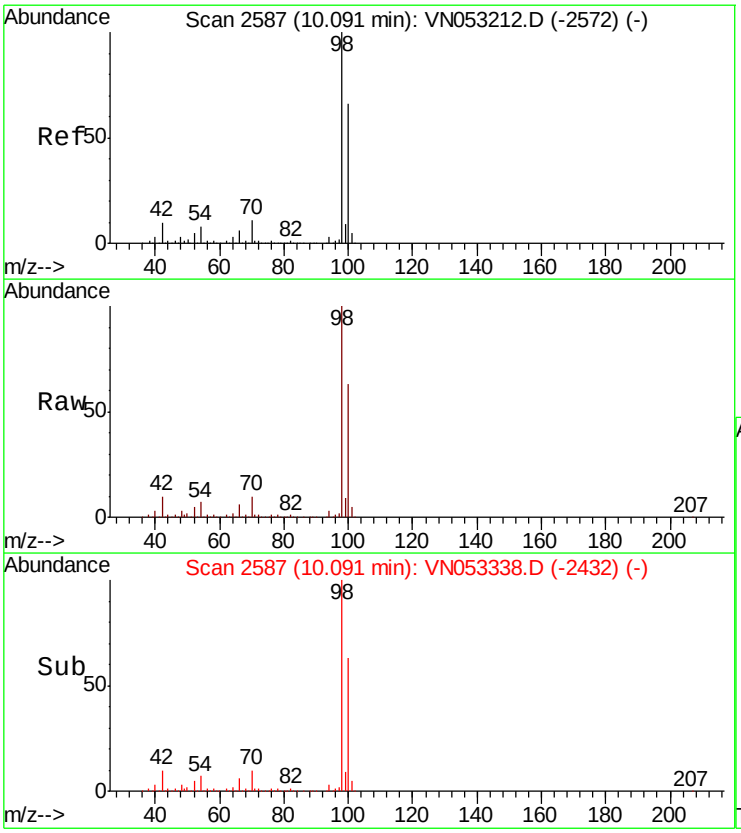
#60
4-Bromofluorobenzene
Concen: 1.021 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 95 Resp: 341743

Ion	Ratio	Lower	Upper
95	100		
174	91.4	67.9	101.9
176	88.4	66.4	99.6

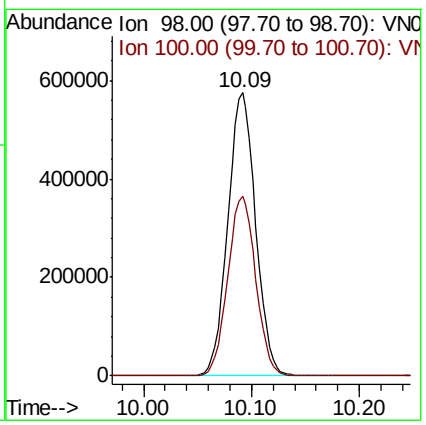


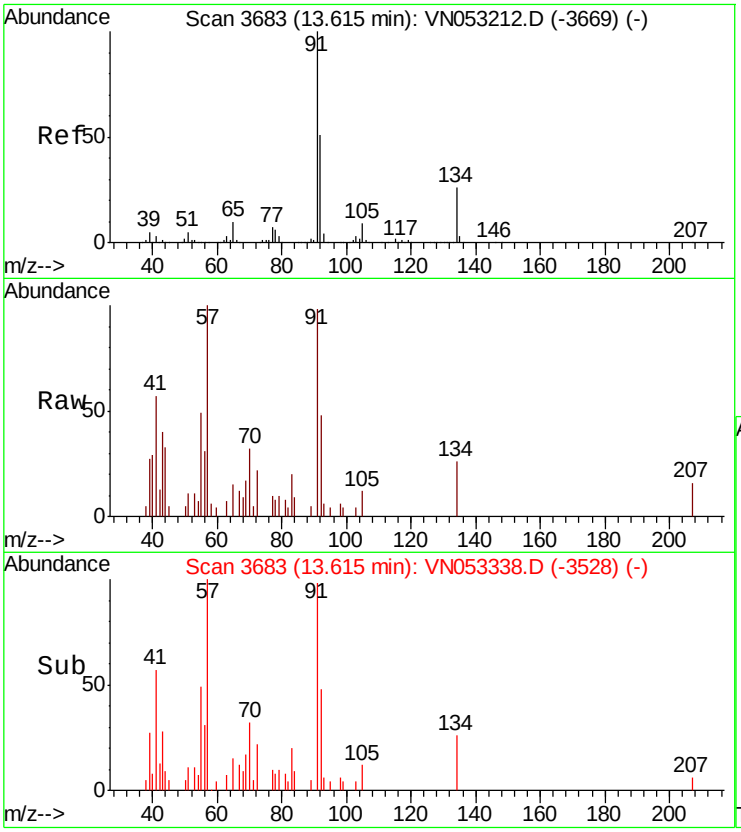


#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 98 Resp: 1034172

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7



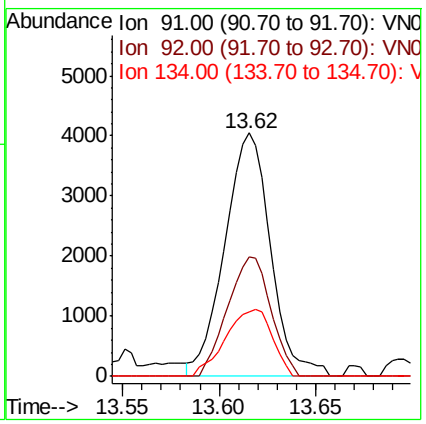


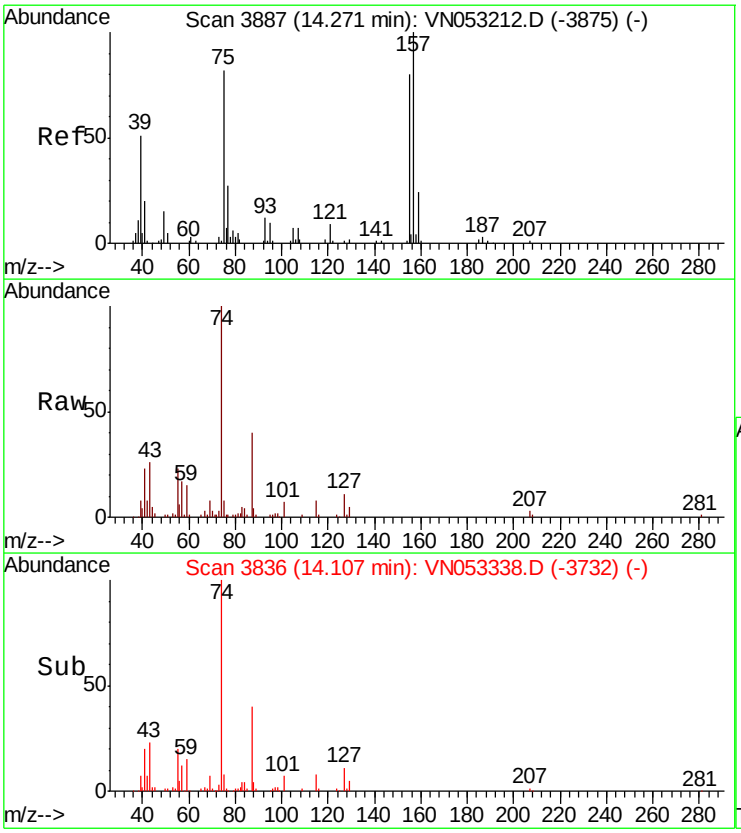
#85
n-Butylbenzene
Concen: 0.232 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 91 Resp: 6666

Ion	Ratio	Lower	Upper
91	100		
92	46.4	0.0	104.2
134	28.0	0.0	50.6

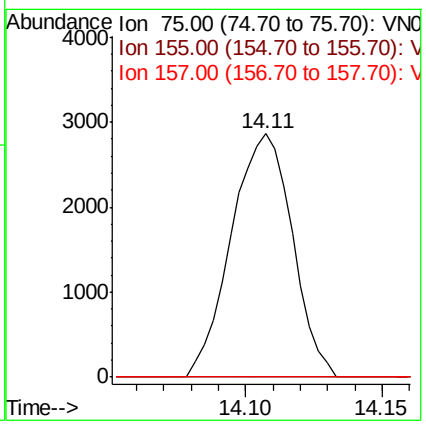


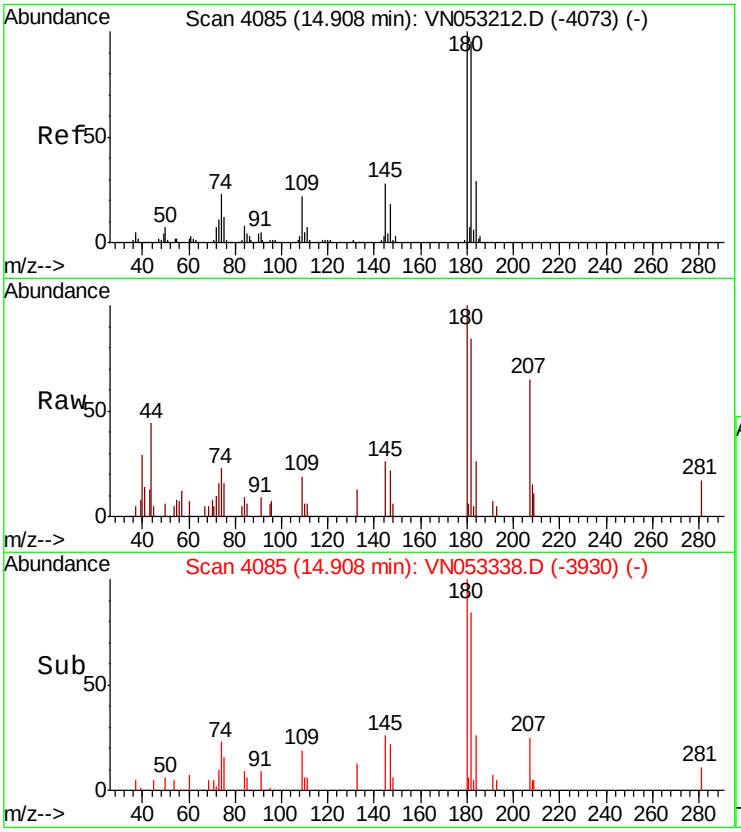


#88
1,2-Dibromo-3-Chloropropane
Concen: 3.313 ug/l
RT: 14.11 min Scan# 3836
Delta R.T. -0.16 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 75 Resp: 4443

Ion	Ratio	Lower	Upper
75	100		
155	0.0	72.2	108.2#
157	0.0	94.2	141.2#



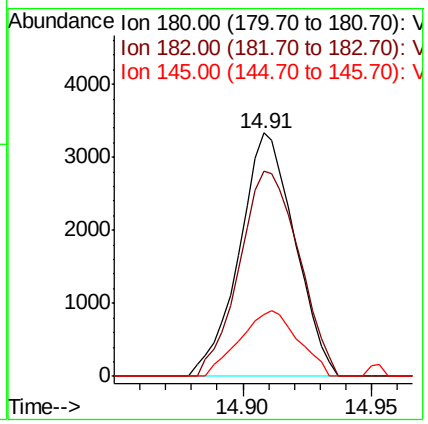


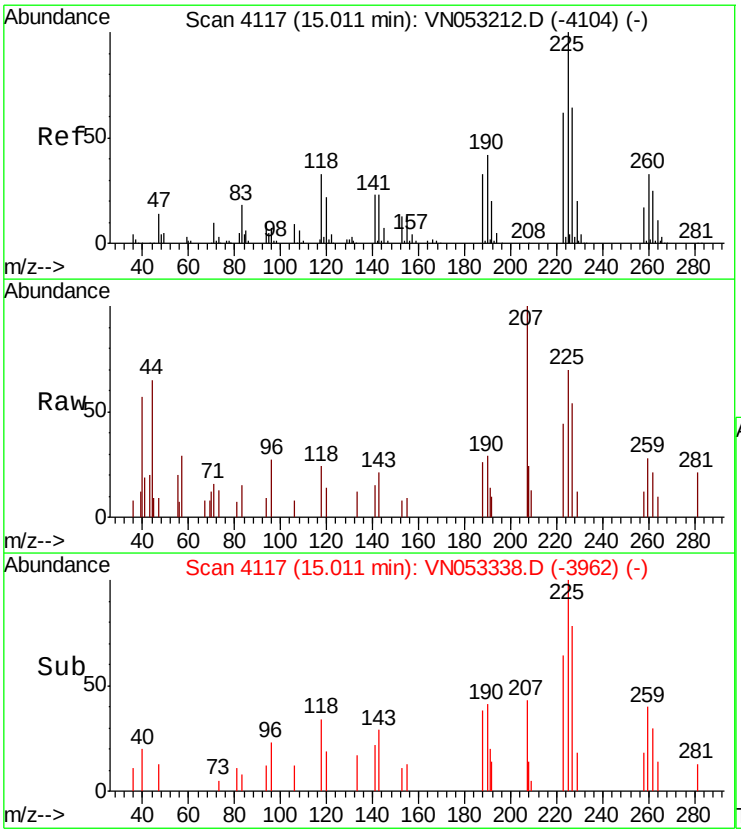
#89
1,2,4-Trichlorobenzene
Concen: 0.570 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:180 Resp: 5011

Ion	Ratio	Lower	Upper
180	100		
182	90.3	76.6	114.8
145	28.2	23.6	35.4

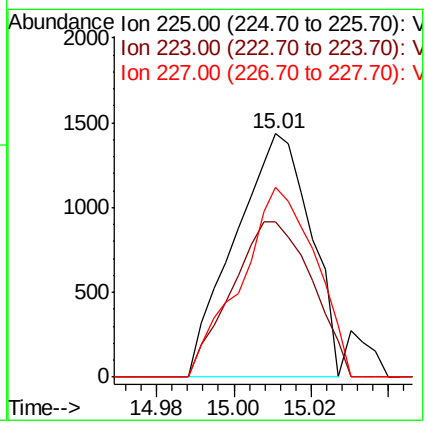


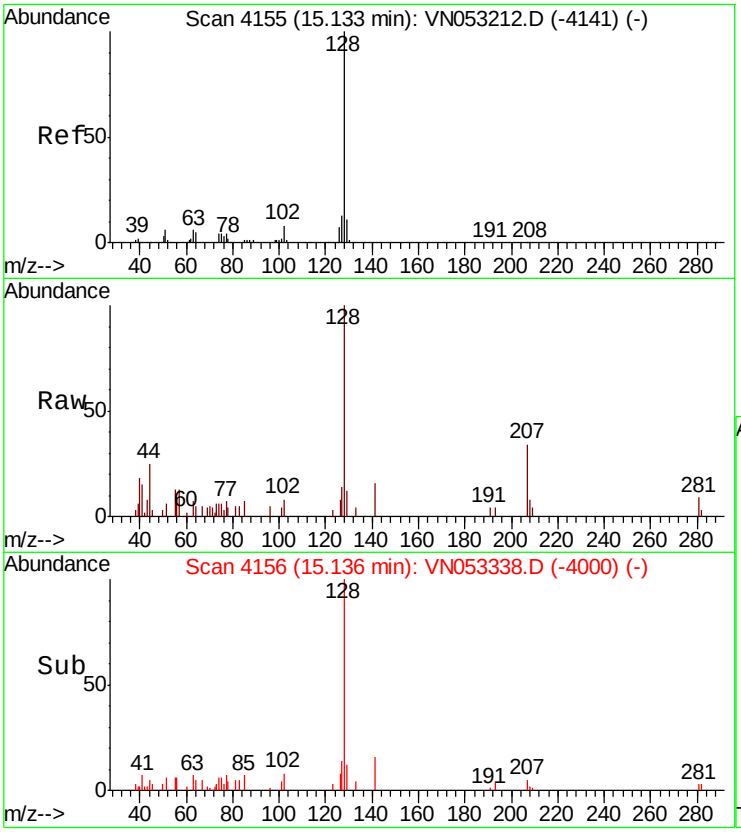


#90
Hexachlorobutadiene
Concen: 0.366 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion:225 Resp: 1946

Ion	Ratio	Lower	Upper
225	100		
223	68.0	0.0	125.6
227	77.3	0.0	127.8



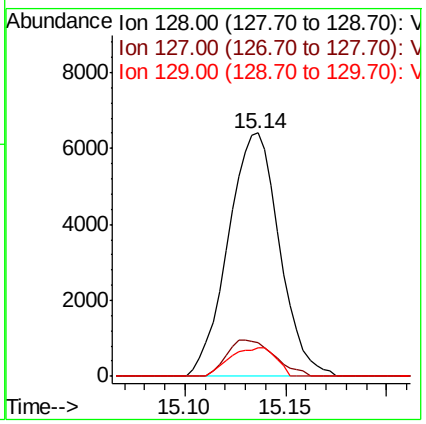


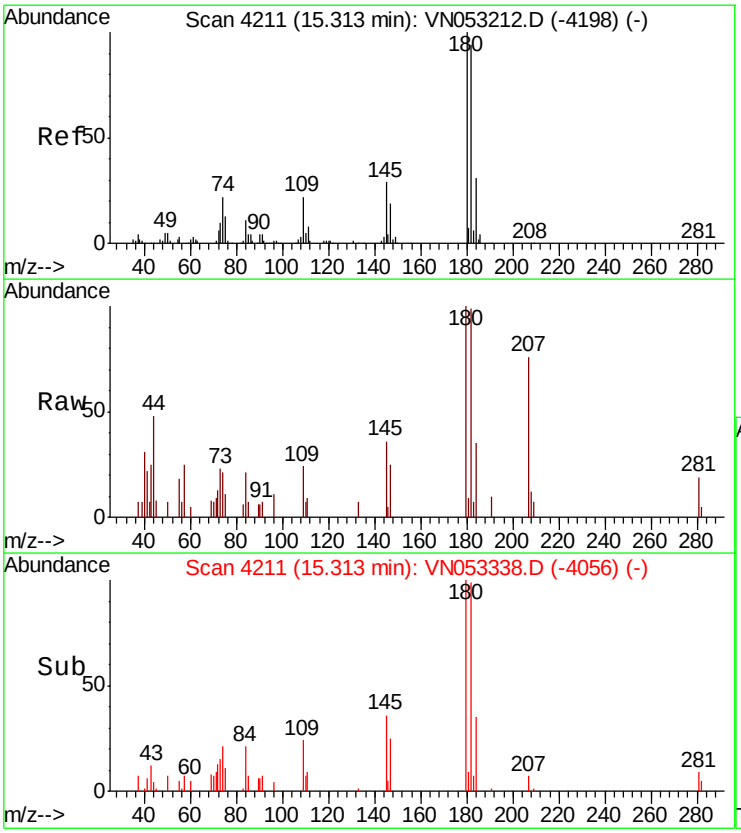
#91
Naphthalene
Concen: 0.611 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 11407

Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.9	14.9
129	10.6	8.5	12.7





#92
1,2,3-Trichlorobenzene
Concen: 0.694 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053338.D
Acq: 10 Jan 2019 13:41

Tgt Ion:180 Resp: 5445

Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	196.2
145	26.6	0.0	62.2