Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051691.D
Acq On : 5 Oct 2018 16:59
Operator : MD\SY
Sample : J5231-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Quant Time: Oct 05 23:08:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	97471	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	546954	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	451138	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	198042	29.27	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 97.57%				
60) 4-Bromofluorobenzene	12.40	95	180786	26.26	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 87.53%				
63) Toluene-d8	10.09	98	632036	31.55	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 105.17%				
Target Compounds							Qvalue
3) Chloromethane	2.06	50	1123	0.201	ug/l		99
8) Diethyl Ether	3.33	74	541	0.208	ug/l		82
12) Methyl Acetate	4.33	43	3359	0.936	ug/l	#	75
13) Acrolein	3.55	56	212	0.803	ug/l		99
15) Acetone	3.82	58	2130895	6082.268	ug/l		81
16) Carbon Disulfide	4.06	76	4125	0.317	ug/l	#	75
18) Methylene Chloride	4.55	84	2598	0.506	ug/l	#	68
20) Diisopropyl ether	5.96	45	25615	1.719	ug/l	#	77
25) Chloroform	7.38	83	33056	3.143	ug/l		90
30) 2-Butanone	6.85	43	6314	3.566	ug/l	#	55
44) Isopropyl Acetate	8.17	43	2463	0.299	ug/l	#	67
47) n-amyl Acetate	12.02	43	34158	4.884	ug/l	#	66
56) Bromoform	12.40	173	2039	0.412	ug/l	#	1
58) 4-Methyl-2-Pentanone	9.99	43	16499	4.454	ug/l	#	94
59) 2-Hexanone	10.75	43	65315	26.052	ug/l	#	94
62) Toluene	10.16	91	5257	0.230	ug/l		90
71) 1,1,2,2-Tetrachloroethane	12.53	83	3710	0.652	ug/l	#	74
72) 1,2,3-Trichloropropane	12.40	75	100451	22.127	ug/l		1
89) 1,2,4-Trichlorobenzene	14.91	180	680	6.928	ug/l	#	59
91) Naphthalene	15.13	128	3880	0.358	ug/l	#	89

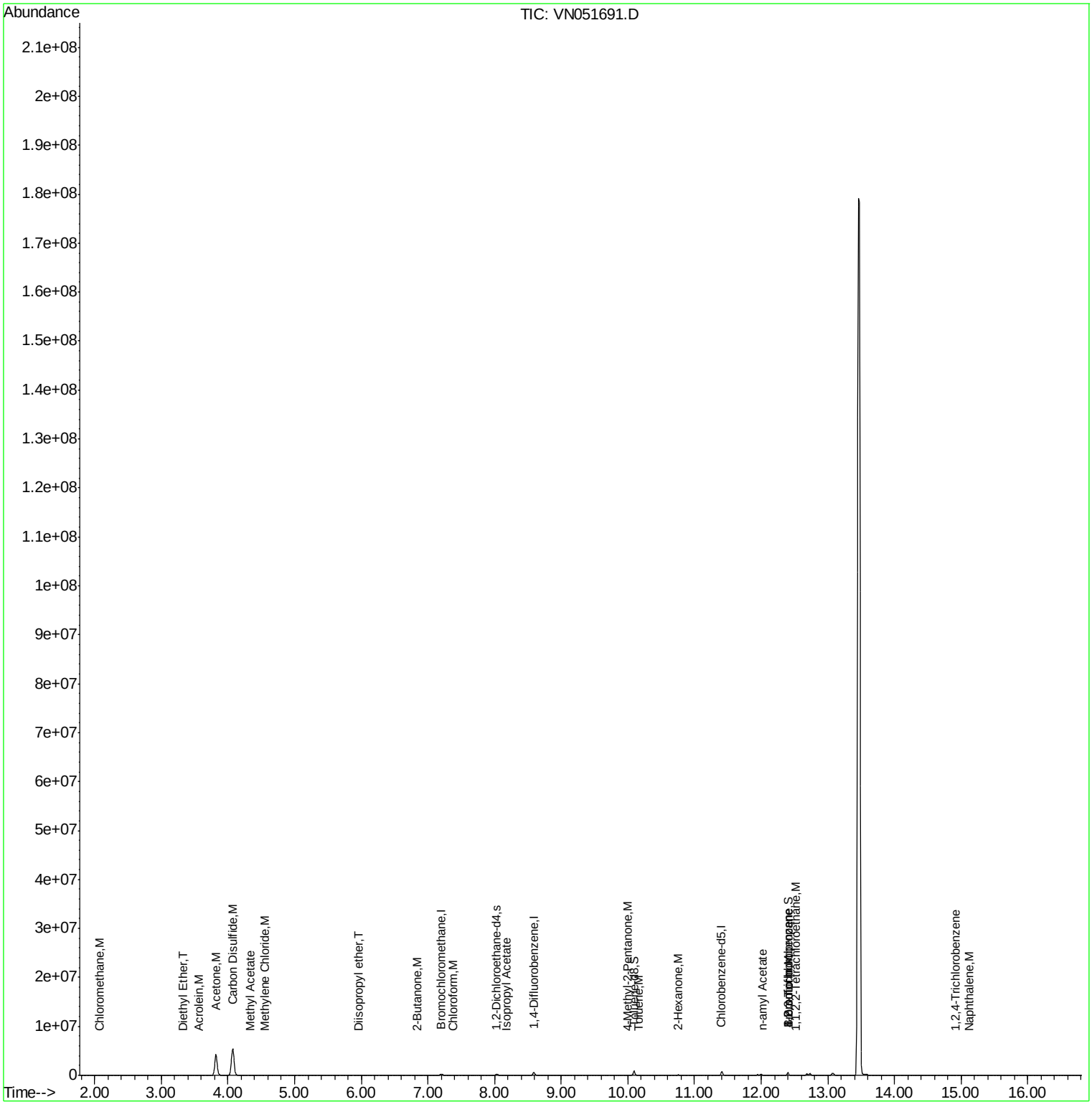
(#) = qualifier out of range (m) = manual integration (+) = signals summed

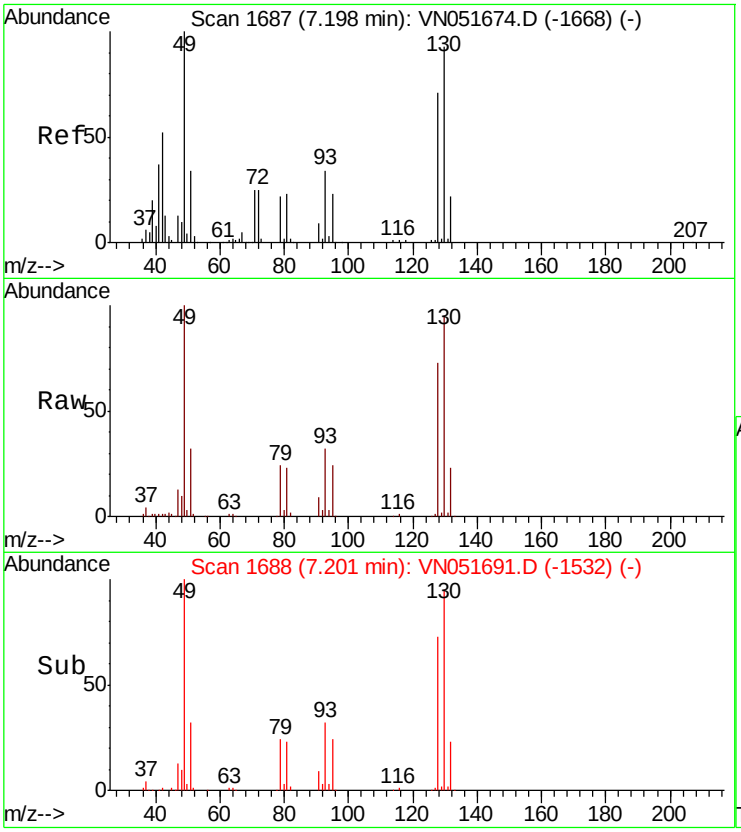
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051691.D
Acq On : 5 Oct 2018 16:59
Operator : MD\SY
Sample : J5231-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Oct 05 23:08:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration



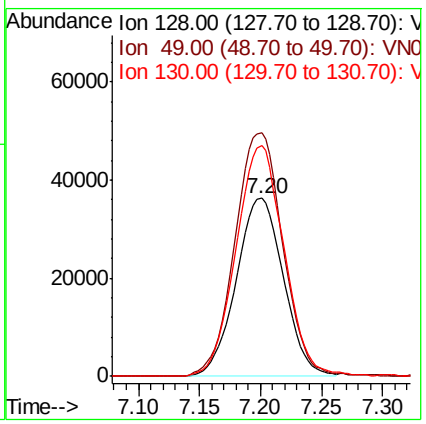


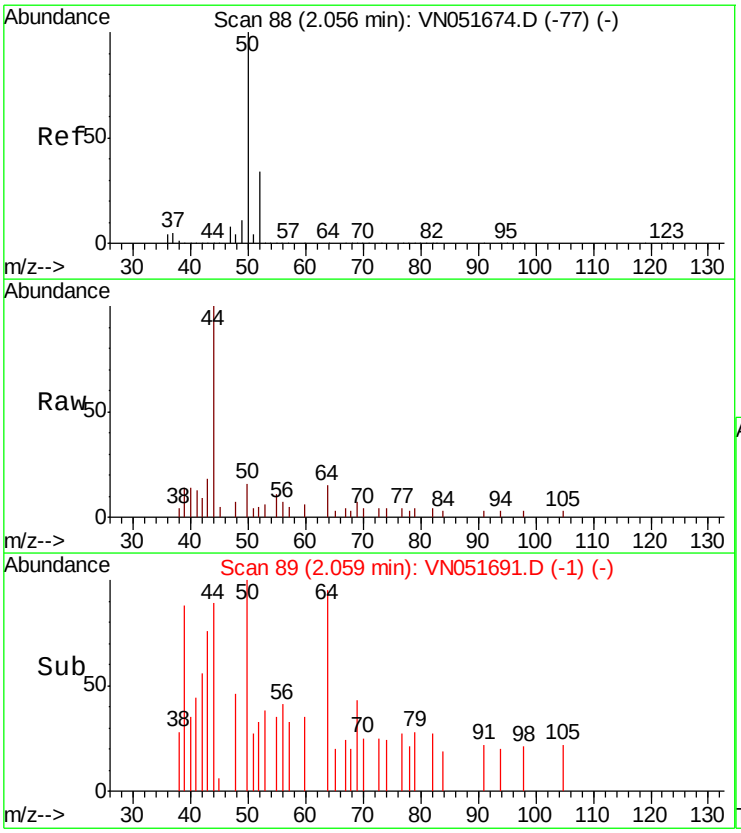
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 97471

Ion	Ratio	Lower	Upper
128	100		
49	139.1	0.0	403.3
130	131.7	0.0	326.0

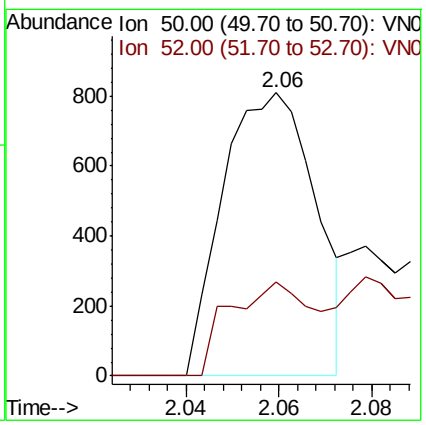


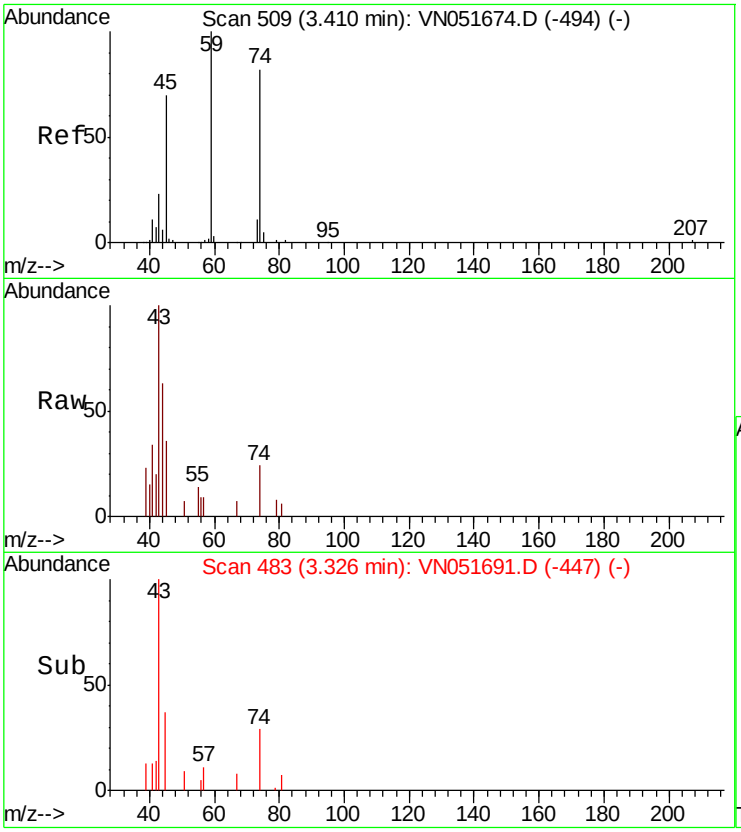


#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 50 Resp: 1123

Ion	Ratio	Lower	Upper
50	100		
52	33.3	27.2	40.8



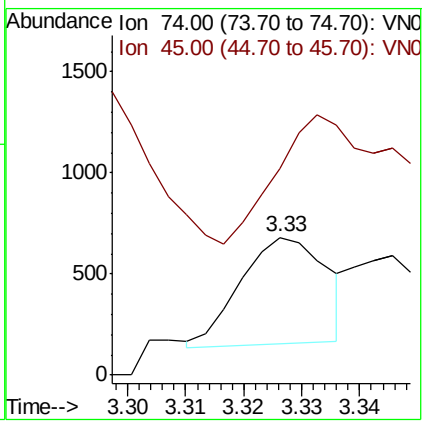


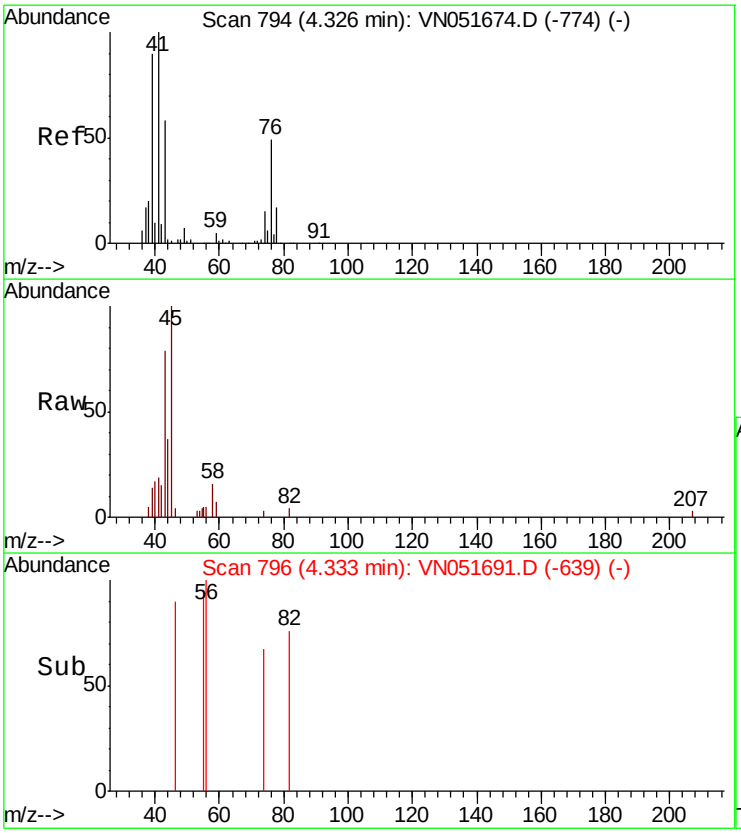
#8
Diethyl Ether
Concen: 0.208 ug/l
RT: 3.33 min Scan# 483
Delta R.T. -0.08 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 74 Resp: 541

Ion	Ratio	Lower	Upper
74	100		
45	122.0	20.7	186.5

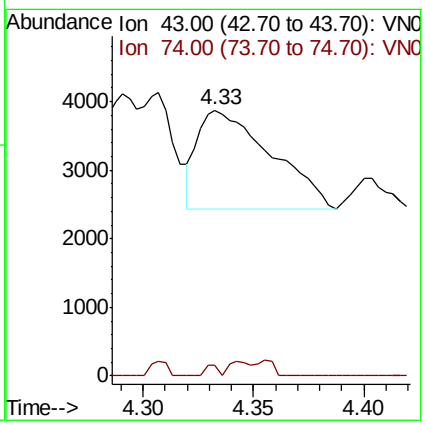


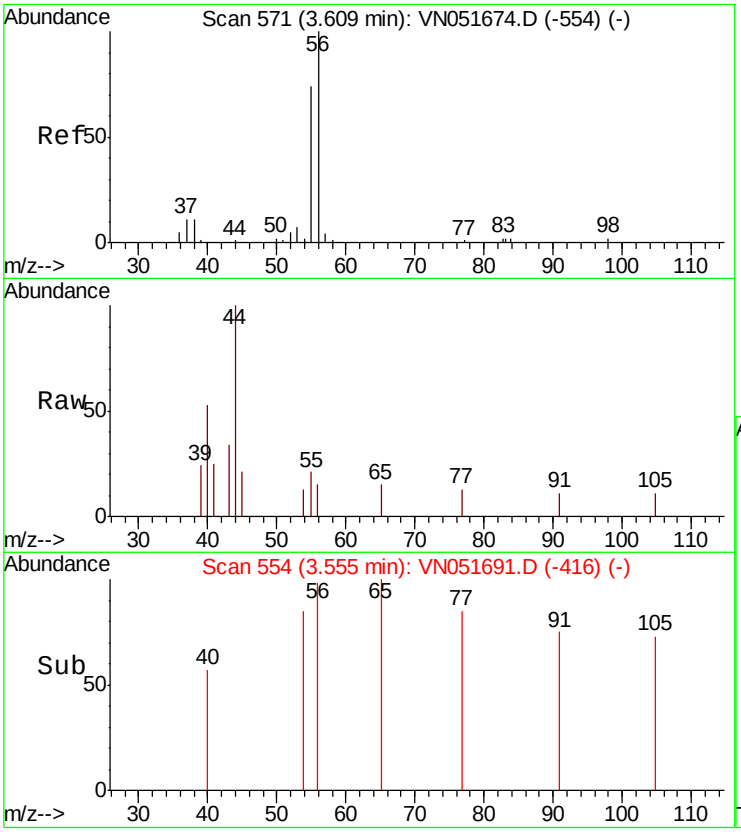


#12
Methyl Acetate
Concen: 0.936 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 43 Resp: 3359

Ion	Ratio	Lower	Upper
43	100		
74	14.1	21.8	32.6#



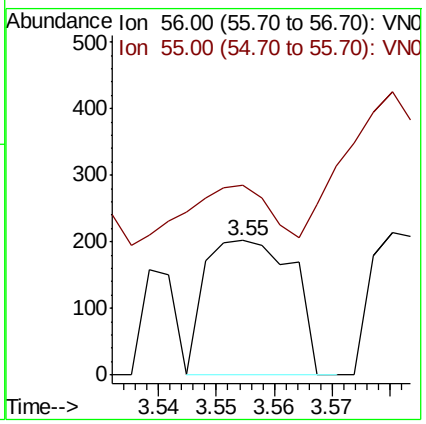


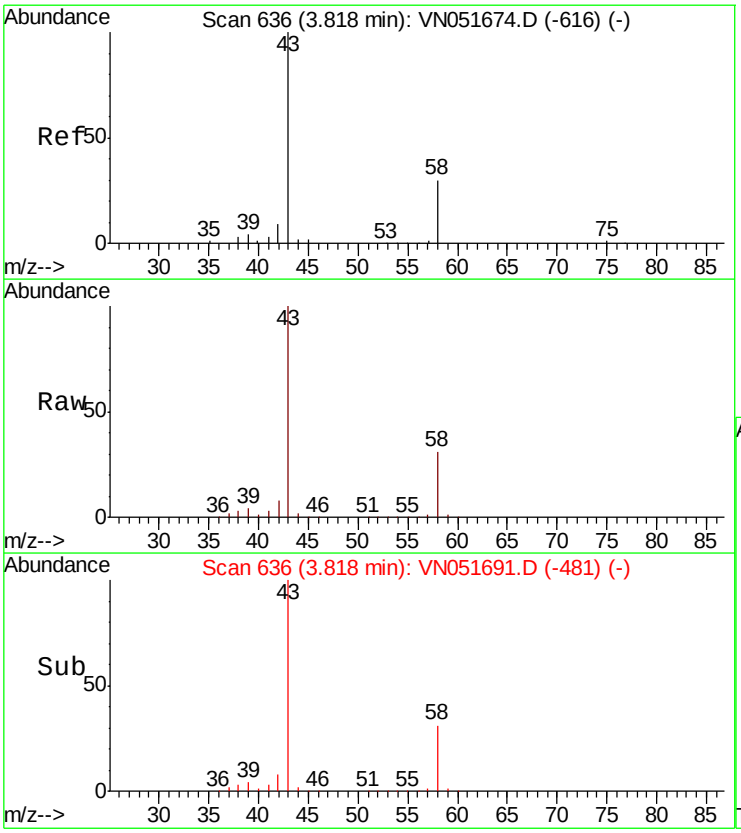
#13
Acrolein
Concen: 0.803 ug/l
RT: 3.55 min Scan# 554
Delta R.T. -0.05 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 56 Resp: 212

Ion	Ratio	Lower	Upper
56	100		
55	78.8	64.0	96.0

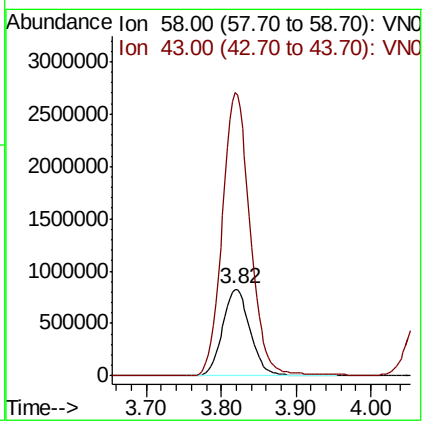


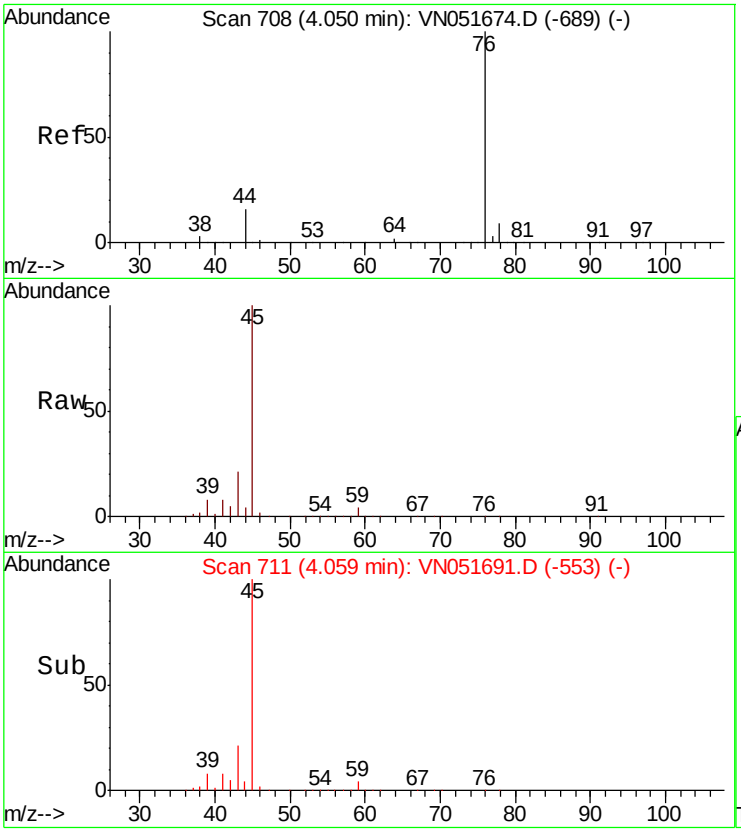


#15
Acetone
Concen: 6082.268 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 58 Resp: 2130895

Ion	Ratio	Lower	Upper
58	100		
43	325.9	232.2	348.2



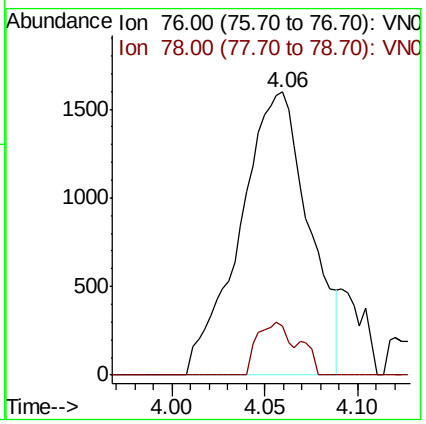


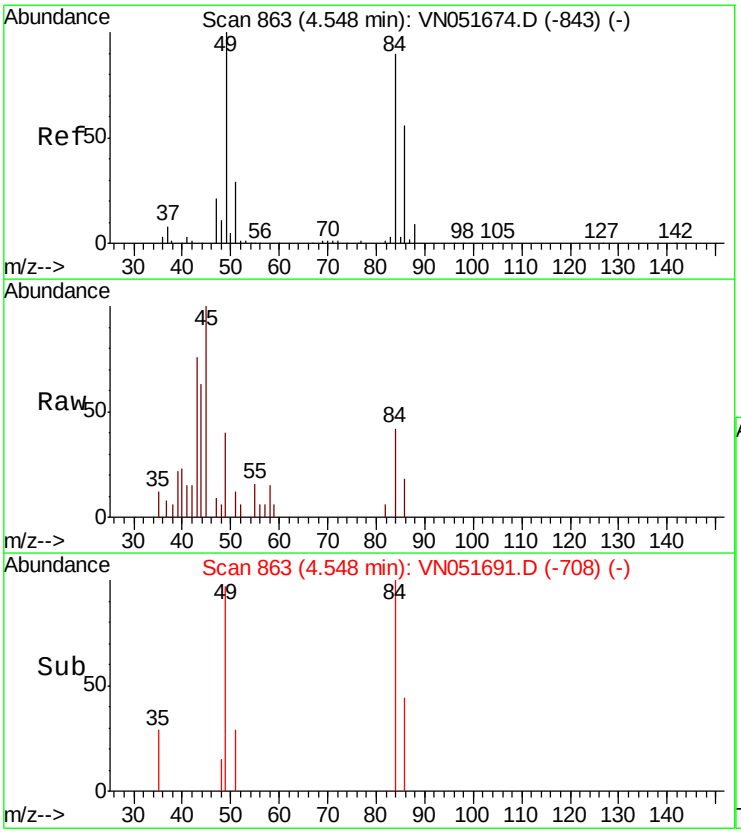
#16
Carbon Disulfide
Concen: 0.317 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.01 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 76 Resp: 4125

Ion	Ratio	Lower	Upper
76	100		
78	17.2	6.7	10.1#

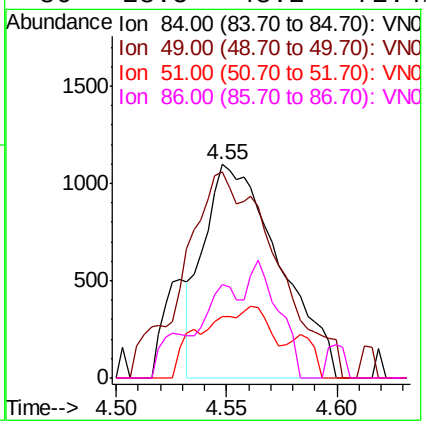


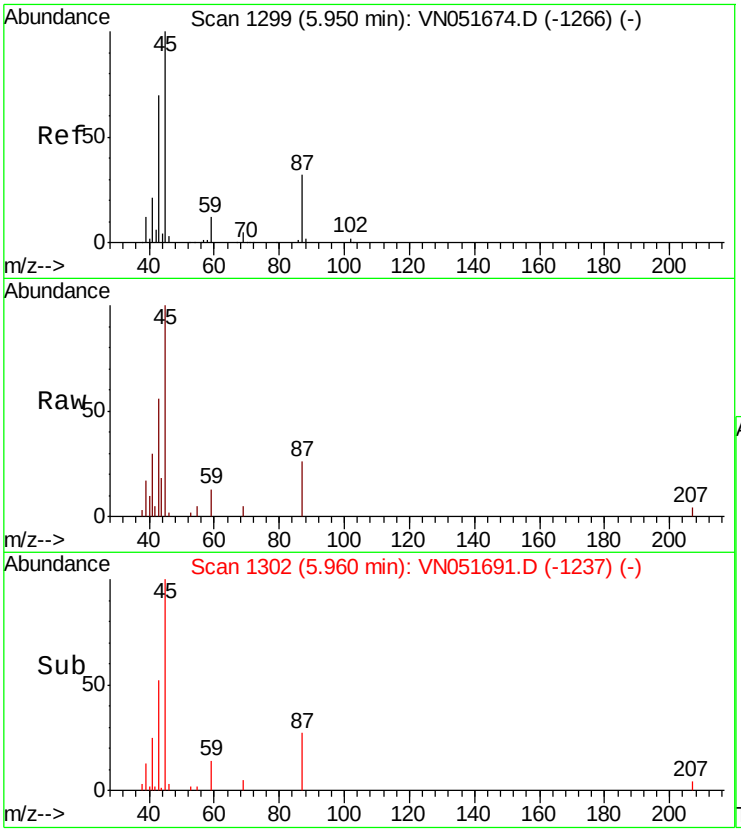


#18
Methylene Chloride
Concen: 0.506 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 84 Resp: 2598

Ion	Ratio	Lower	Upper
84	100		
49	79.0	91.6	137.4#
51	28.7	29.8	44.6#
86	28.5	48.2	72.4#



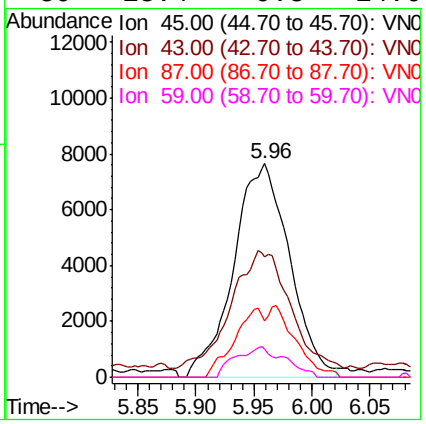


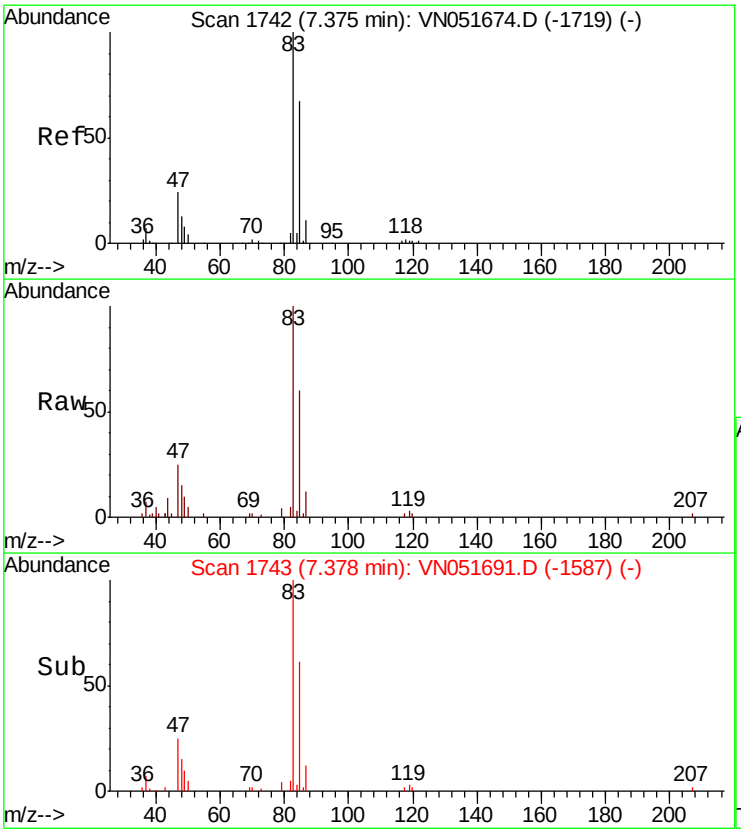
#20
Diisopropyl ether
Concen: 1.719 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 45 Resp: 25615

Ion	Ratio	Lower	Upper
45	100		
43	49.6	62.1	93.1#
87	26.3	19.9	29.9
59	13.4	9.8	14.6

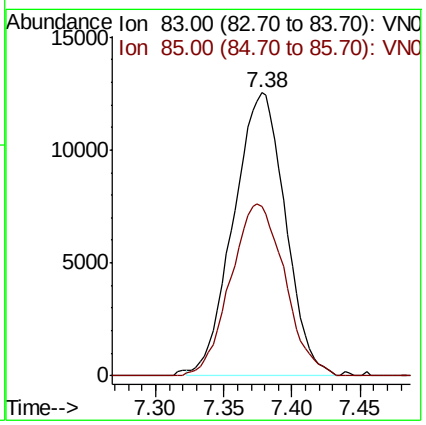


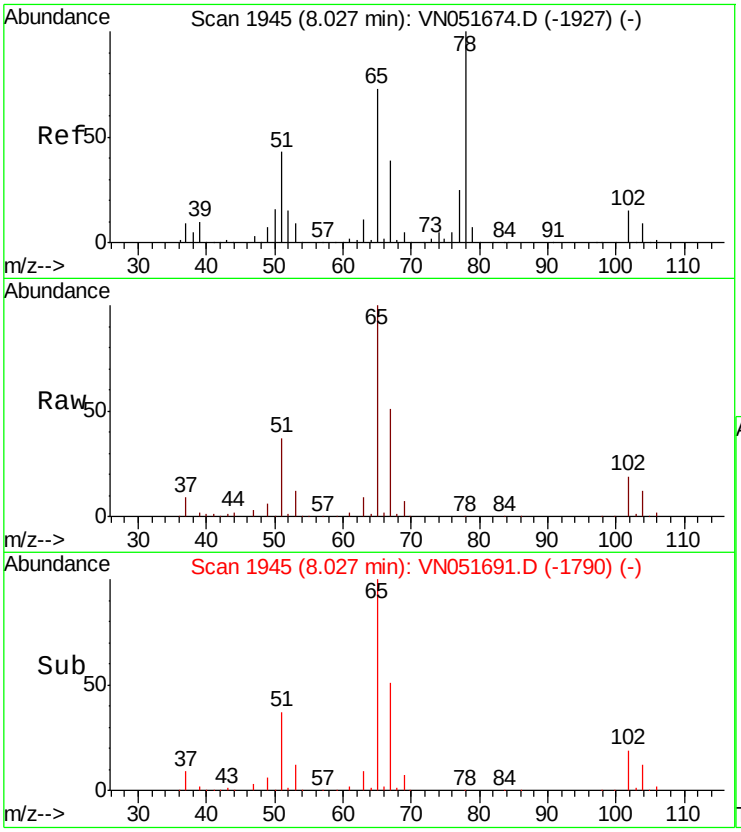


#25
Chloroform
Concen: 3.143 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 83 Resp: 33056

Ion	Ratio	Lower	Upper
83	100		
85	59.9	54.6	82.0



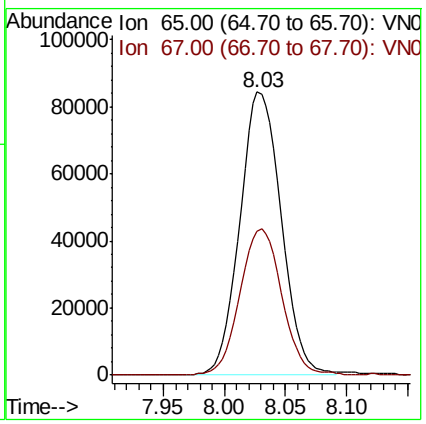


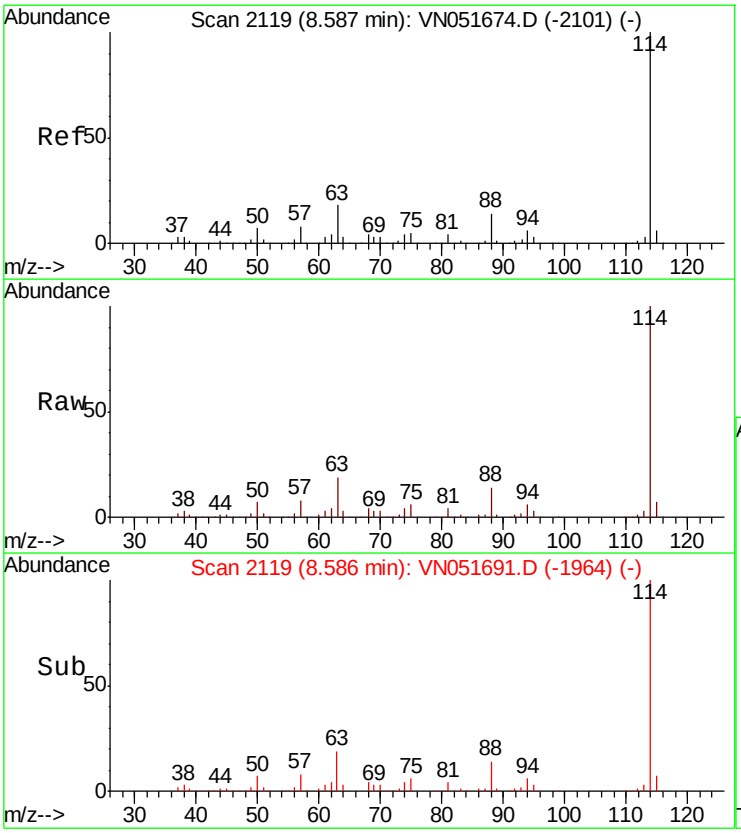
#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 65 Resp: 198042

Ion	Ratio	Lower	Upper
65	100		
67	52.0	41.8	62.8

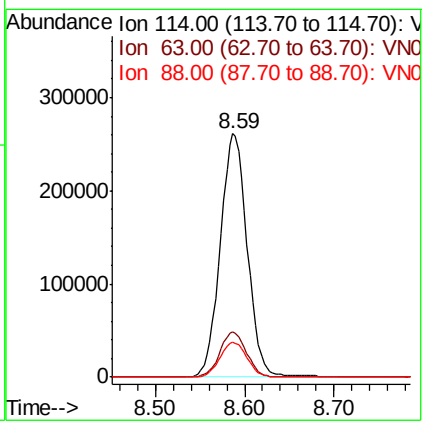


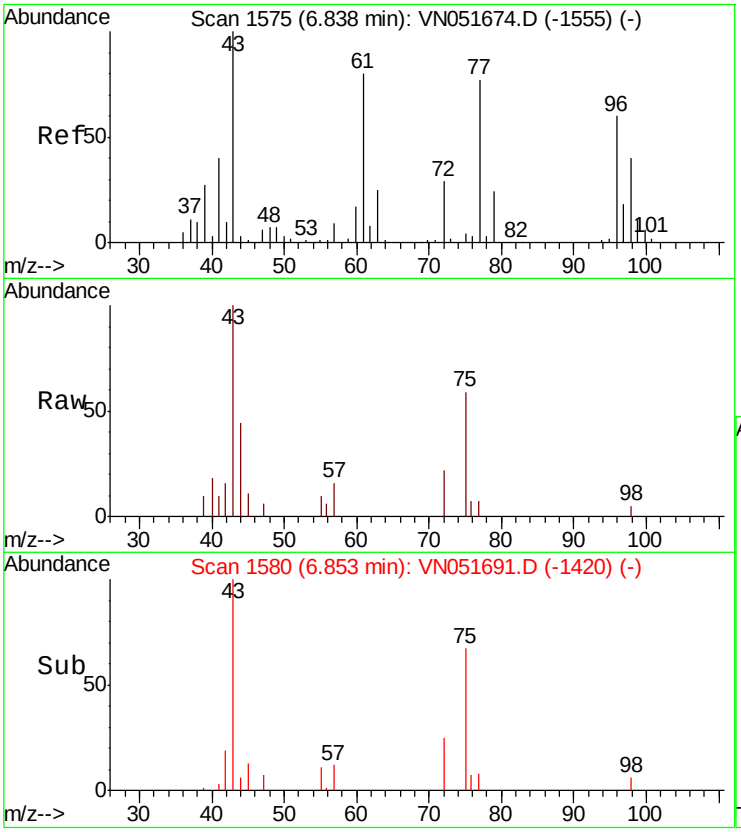


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion:114 Resp: 546954

Ion	Ratio	Lower	Upper
114	100		
63	18.6	16.2	24.2
88	14.3	12.2	18.4



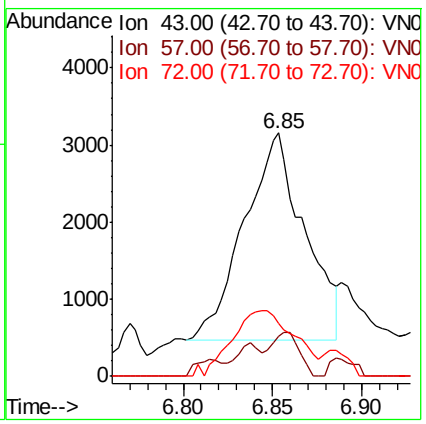


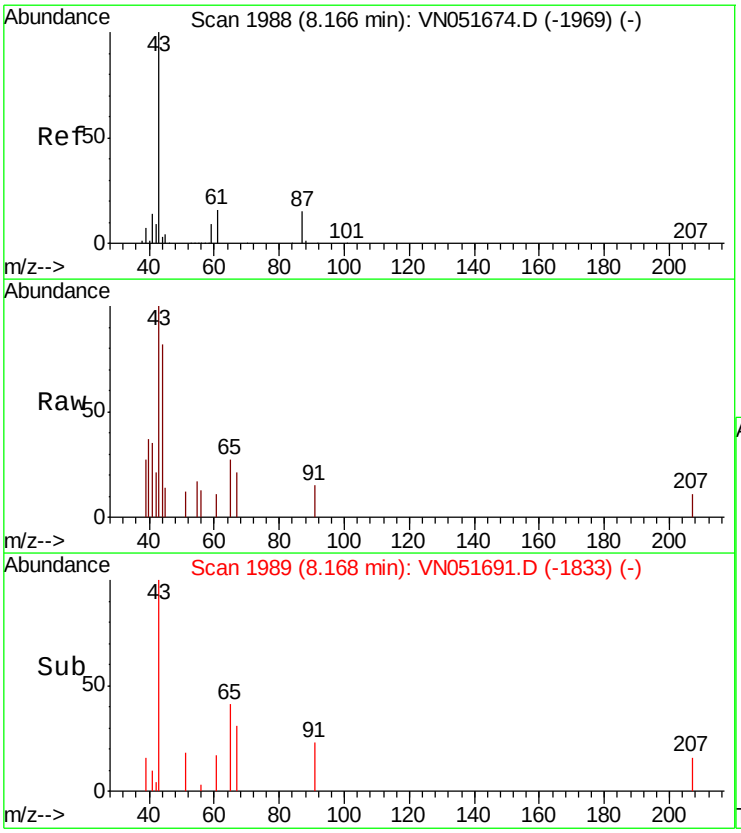
#30
2-Butanone
Concen: 3.566 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 43 Resp: 6314

Ion	Ratio	Lower	Upper
43	100		
57	10.1	4.5	6.7#
72	0.0	21.5	32.3#

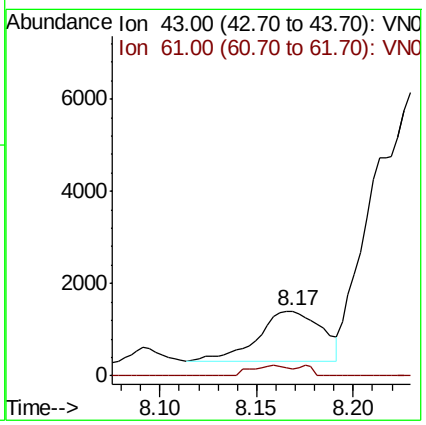


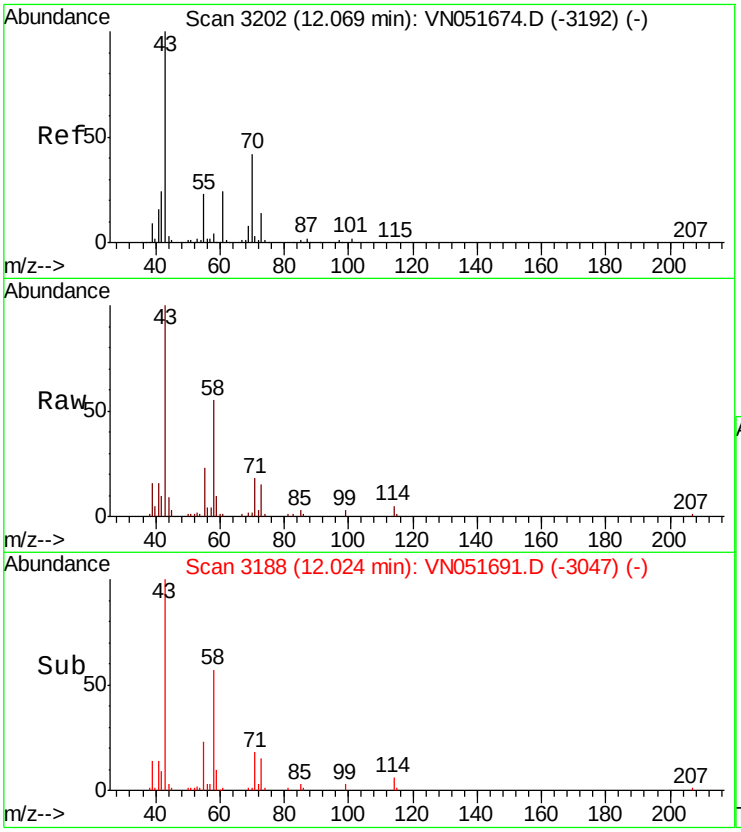


#44
Isopropyl Acetate
Concen: 0.299 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 43 Resp: 2463

Ion	Ratio	Lower	Upper
43	100		
61	5.0	15.9	23.9#



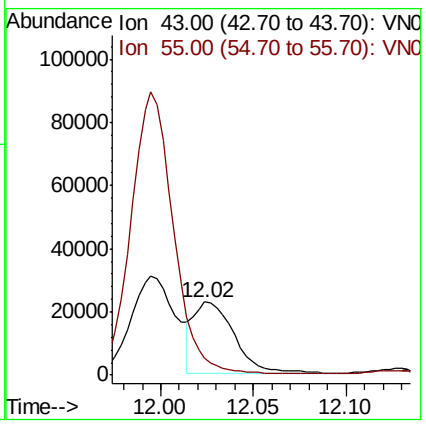


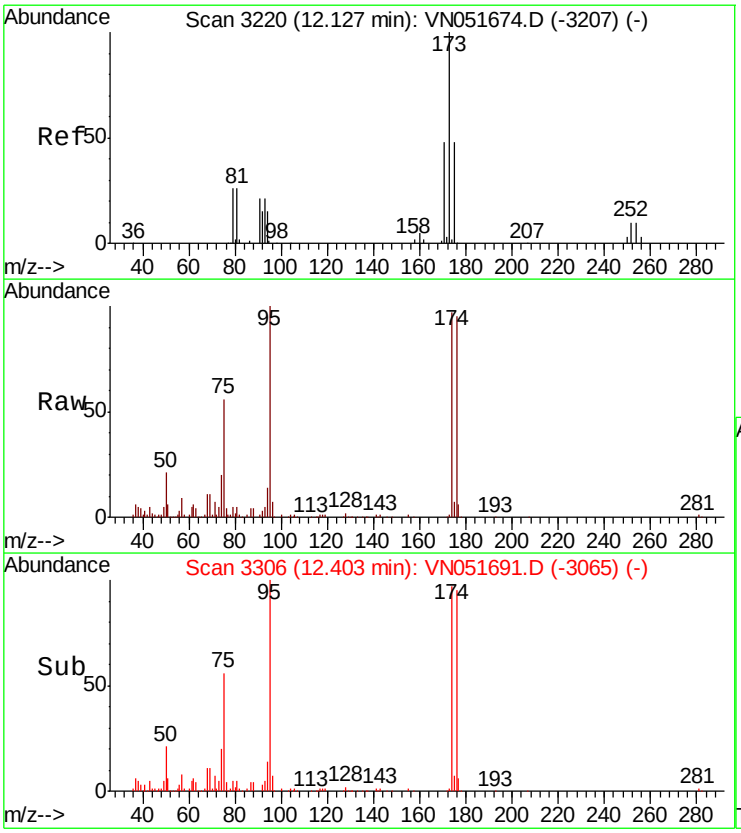
#47
n-amyl Acetate
Concen: 4.884 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.05 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 43 Resp: 34158

Ion	Ratio	Lower	Upper
43	100		
55	0.9	12.2	18.4#

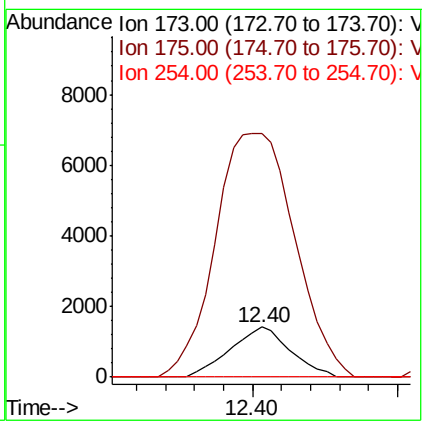


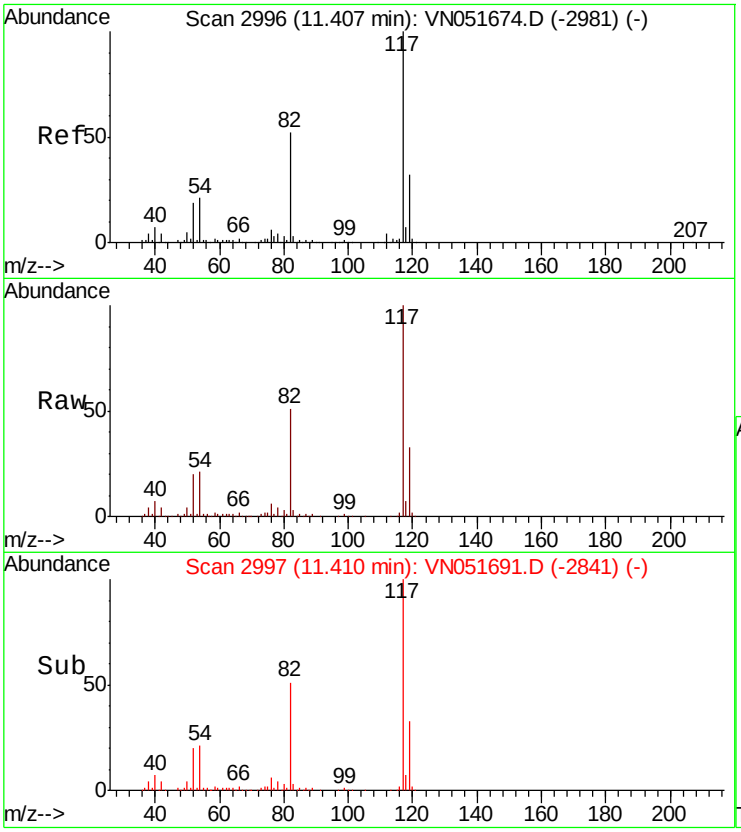


#56
Bromoform
Concen: 0.412 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion:173 Resp: 2039

Ion	Ratio	Lower	Upper
173	100		
175	641.9	35.8	53.8#
254	0.0	8.6	13.0#



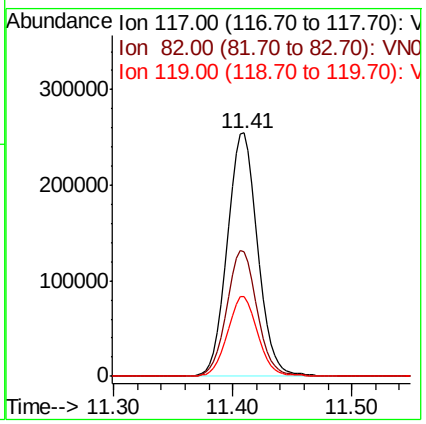


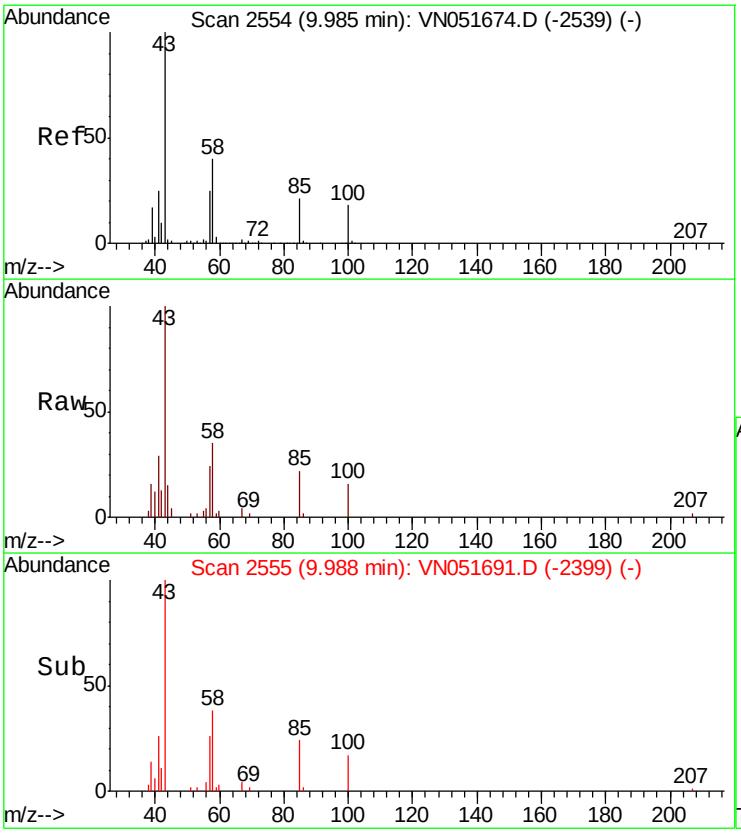
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:117 Resp: 451138

Ion	Ratio	Lower	Upper
117	100		
82	51.7	44.1	66.1
119	32.8	25.8	38.8

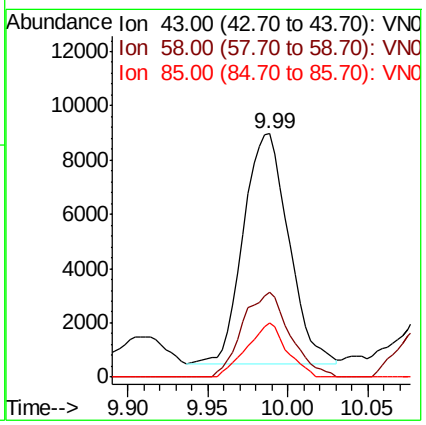


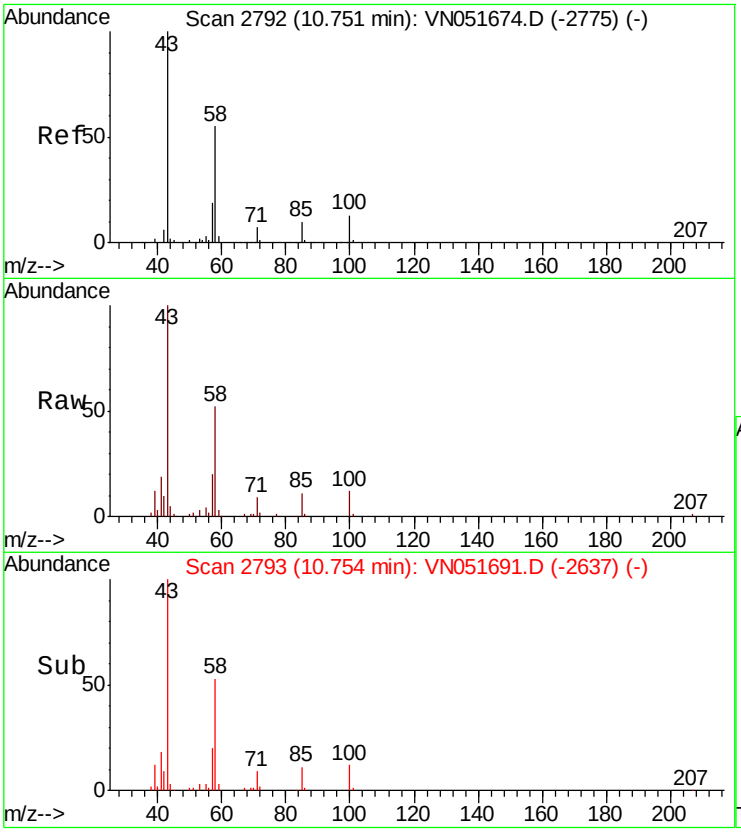


#58
4-Methyl-2-Pentanone
Concen: 4.454 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 43 Resp: 16499

Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.3	43.9
85	20.7	12.6	18.8#



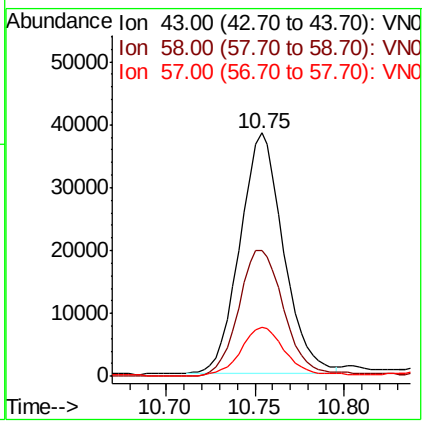


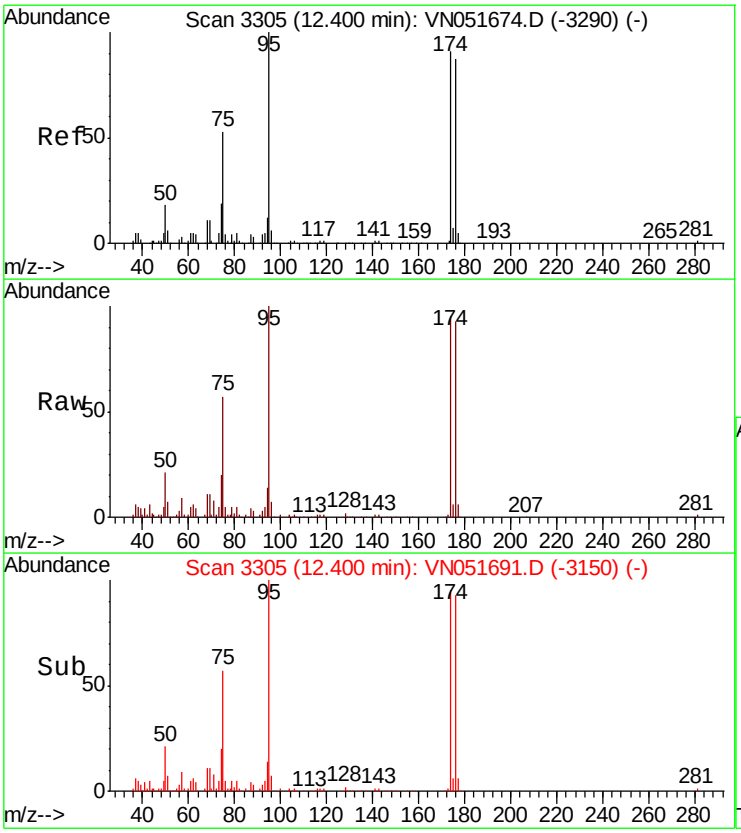
#59
2-Hexanone
Concen: 26.052 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 43 Resp: 65315

Ion	Ratio	Lower	Upper
43	100		
58	54.5	41.3	61.9
57	21.3	13.4	20.0#

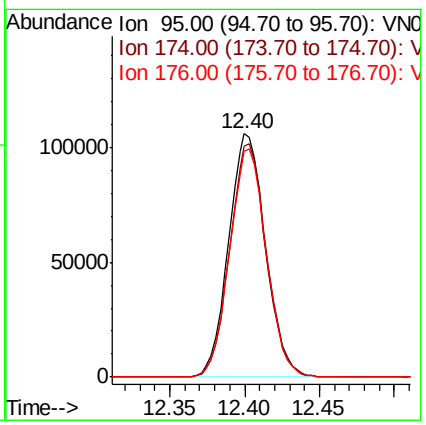


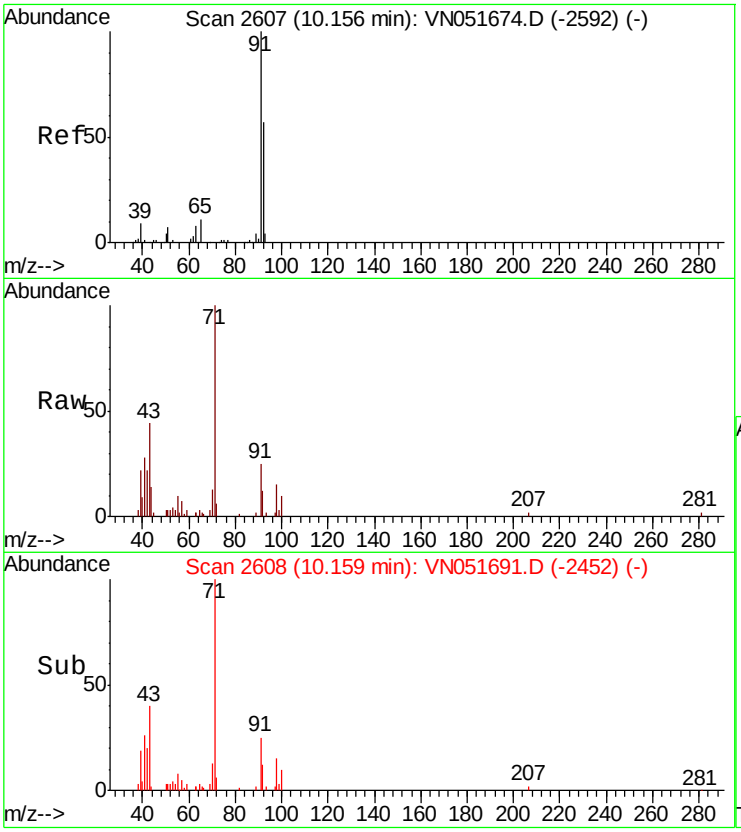


#60
4-Bromofluorobenzene
Concen: 26.052 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 95 Resp: 180786

Ion	Ratio	Lower	Upper
95	100		
174	95.4	73.5	110.3
176	93.5	70.2	105.2



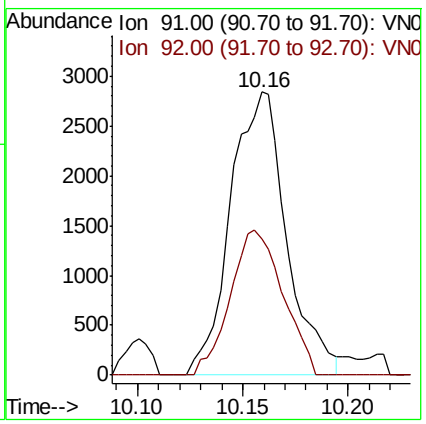


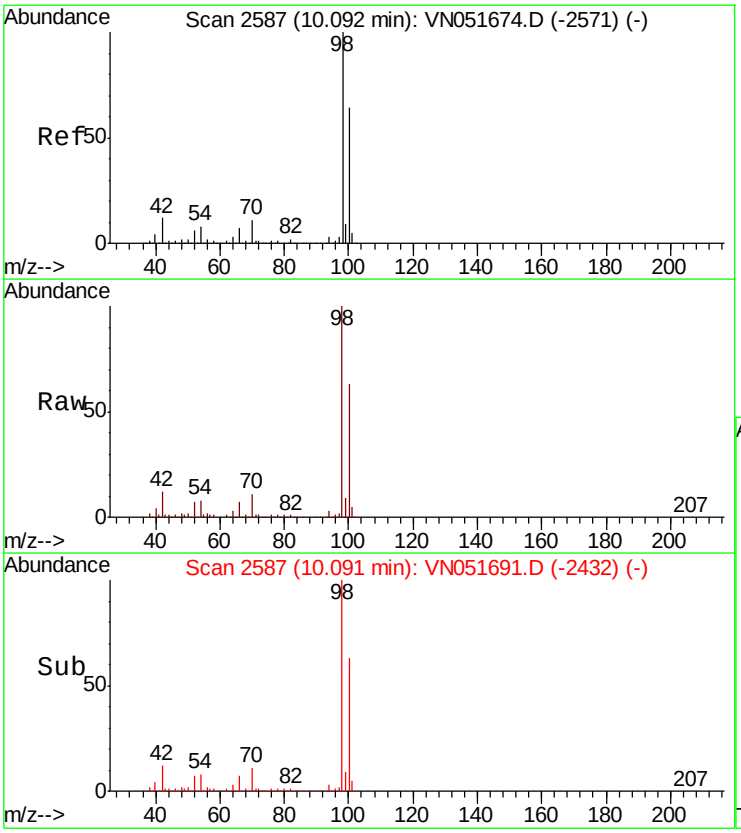
#62
Toluene
Concen: 0.230 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 91 Resp: 5257

Ion	Ratio	Lower	Upper
91	100		
92	48.1	44.6	66.8

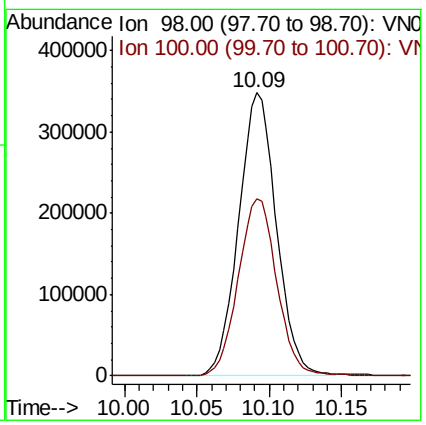


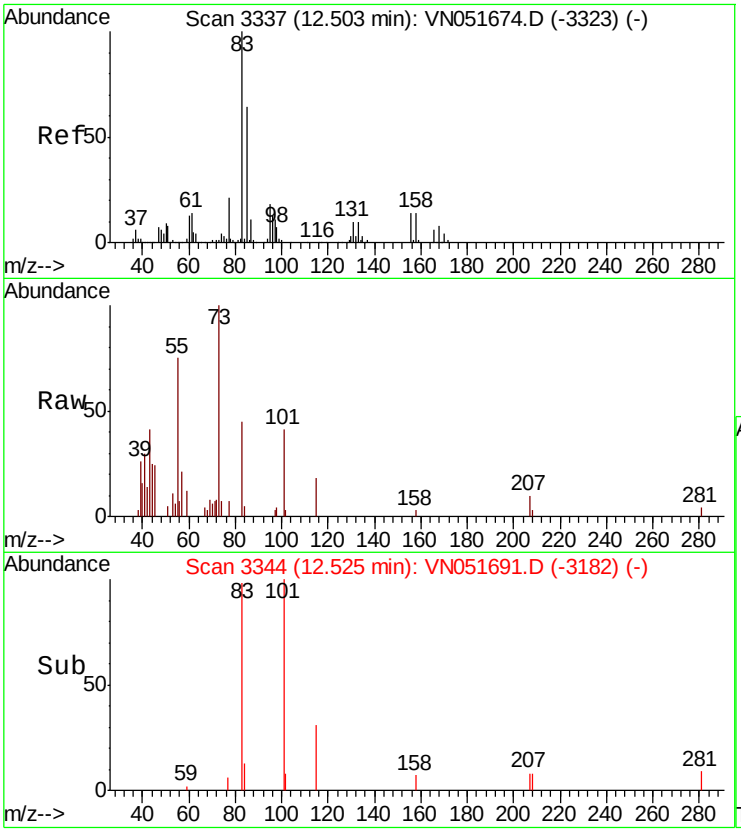


#63
Toluene-d8
Concen: 0.230 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 98 Resp: 632036

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.8	76.2



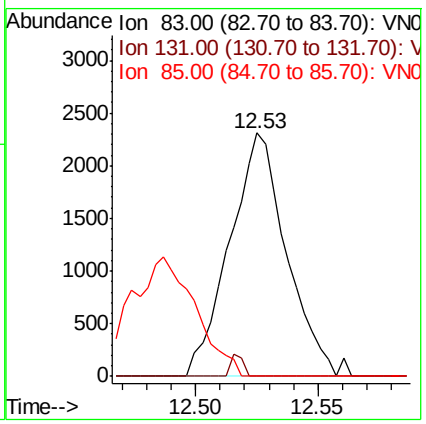


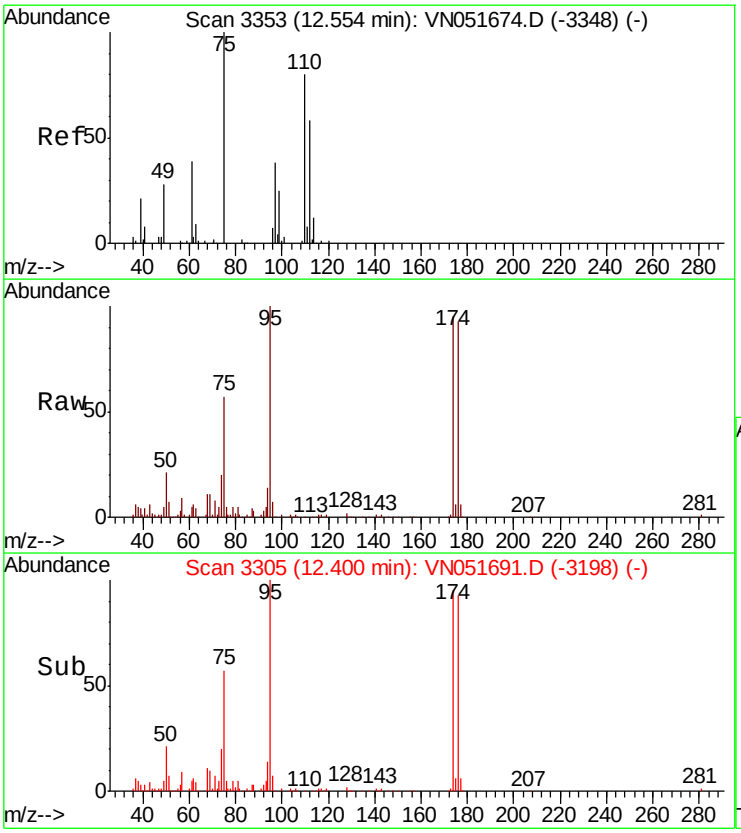
#71
1,1,2,2-Tetrachloroethane
Concen: 0.652 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.02 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 83 Resp: 3710

Ion	Ratio	Lower	Upper
83	100		
131	2.0	5.5	16.4#
85	41.0	30.6	91.8

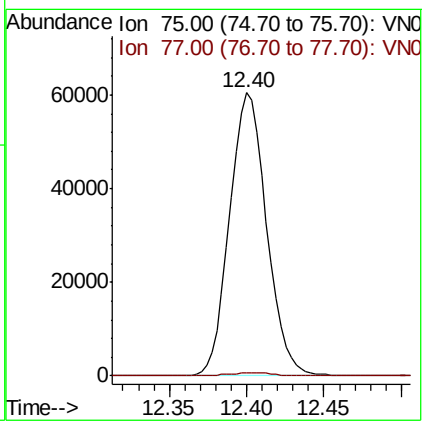


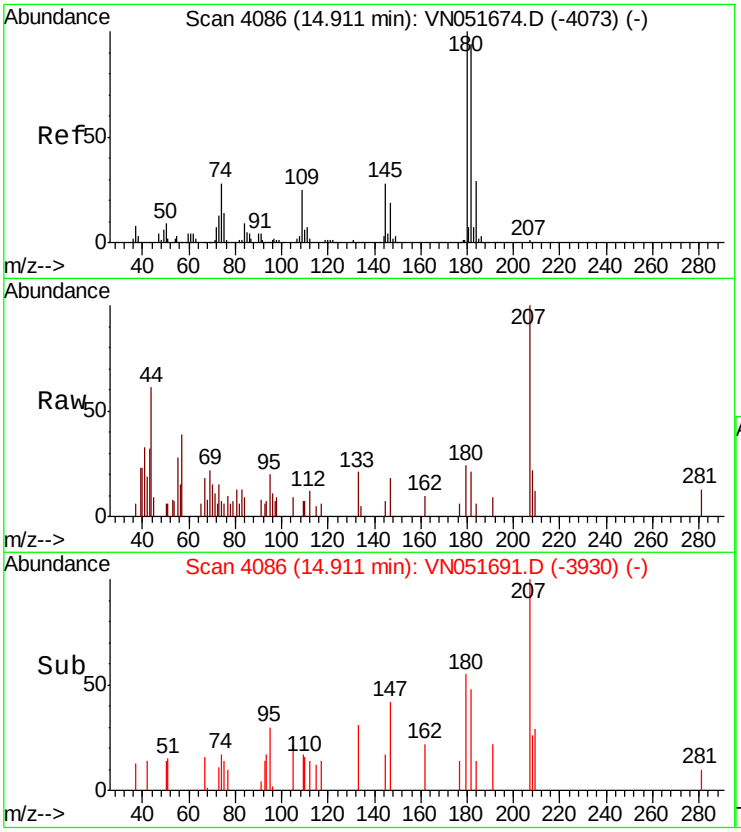


#72
1,2,3-Trichloropropane
Concen: 22.127 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion: 75 Resp: 100451

Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	400.0



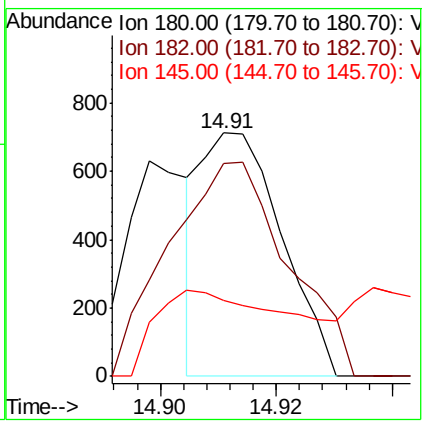


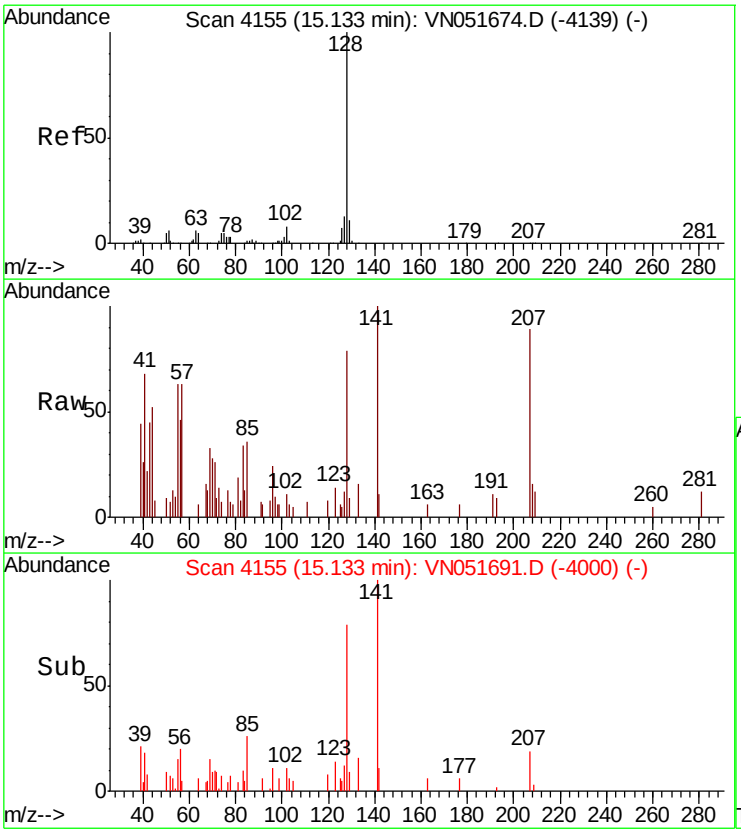
#89
1,2,4-Trichlorobenzene
Concen: 6.928 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:180 Resp: 680

Ion	Ratio	Lower	Upper
180	100		
182	131.8	77.7	116.5#
145	62.2	23.4	35.2#





#91
Naphthalene
Concen: 0.358 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051691.D
Acq: 5 Oct 2018 16:59

Tgt Ion:128 Resp: 3880

Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.1	15.1#
129	9.3	8.4	12.6