Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051688.D
Acq On : 5 Oct 2018 15:41
Operator : MD\SY
Sample : J5239-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : 002M-35TH-AVE(AUG)

Quant Time: Oct 05 16:19:20 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	82519	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	460915	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	375059	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	169255	29.55	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 98.50%			
60) 4-Bromofluorobenzene	12.40	95	134622	23.52	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 78.40%			
63) Toluene-d8	10.09	98	535017	32.13	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 107.10%			
Target Compounds						Qvalue
12) Methyl Acetate	4.33	43	733	0.241	ug/l #	9
13) Acrolein	3.71	56	138	0.618	ug/l	83
15) Acetone	3.82	58	194677	656.356	ug/l	82
16) Carbon Disulfide	4.06	76	4741	0.430	ug/l #	83
25) Chloroform	7.37	83	150502	16.902	ug/l	98
30) 2-Butanone	6.84	43	3222	2.160	ug/l #	86
41) Bromodichloromethane	9.41	83	14785	2.110	ug/l #	91
45) 1,4-Dioxane	8.72	88	95	2.166	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.09	63	552	0.237	ug/l #	1
56) Bromoform	12.41	173	1510	0.362	ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	4216	1.369	ug/l #	90
59) 2-Hexanone	10.76	43	571	0.274	ug/l #	76
62) Toluene	10.16	91	1219939	64.211	ug/l	100
77) t-1,4-Dichloro-2-butene	12.40	75	73177	52.004	ug/l #	12
79) tert-butylbenzene	13.29	119	49205	2.846	ug/l	59
82) p-Isopropyltoluene	13.29	119	49205	2.415	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	677	6.947	ug/l #	19
91) Naphthalene	15.13	128	3238	0.359	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.32	180	830	0.201	ug/l #	91

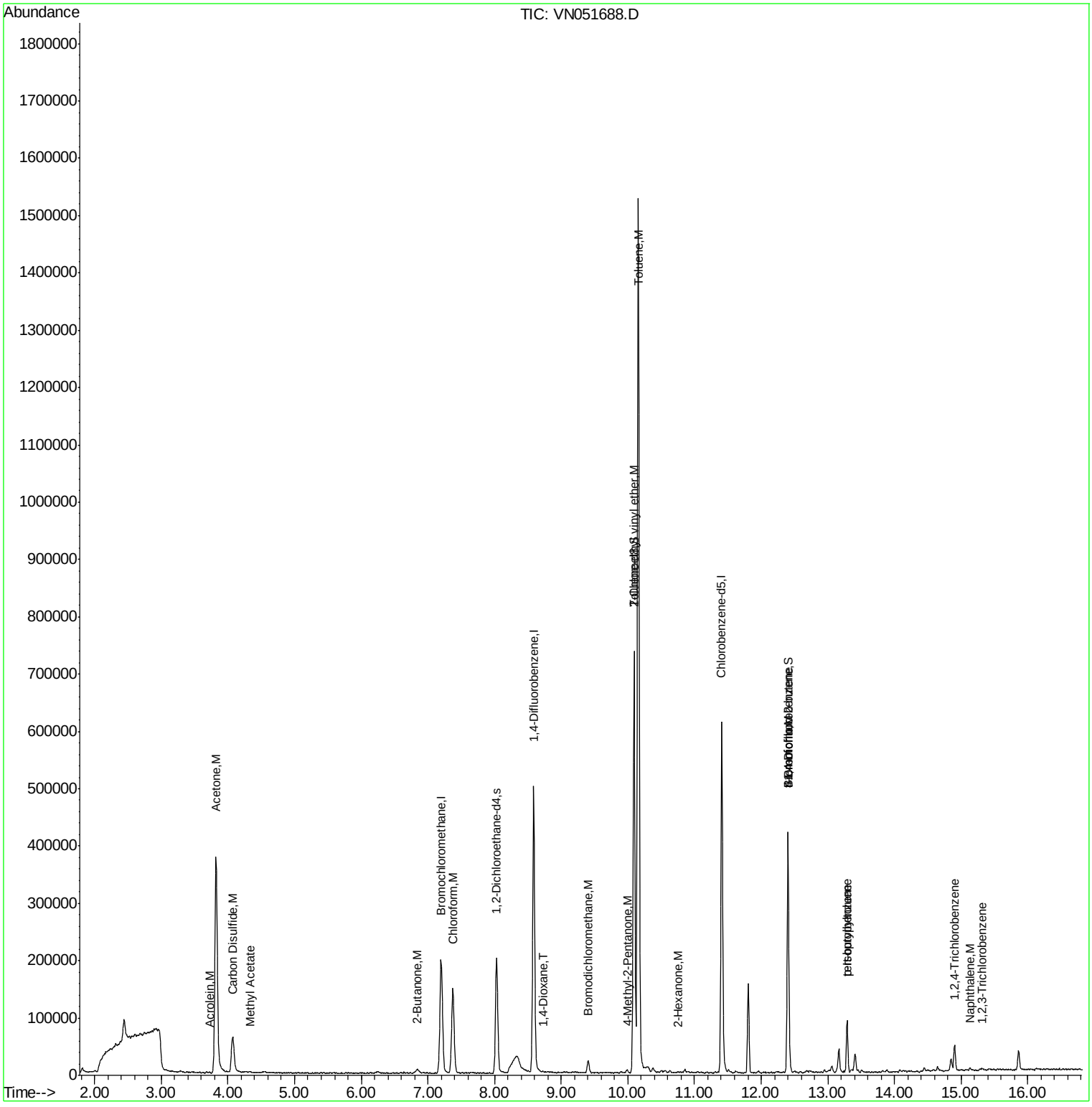
(#) = qualifier out of range (m) = manual integration (+) = signals summed

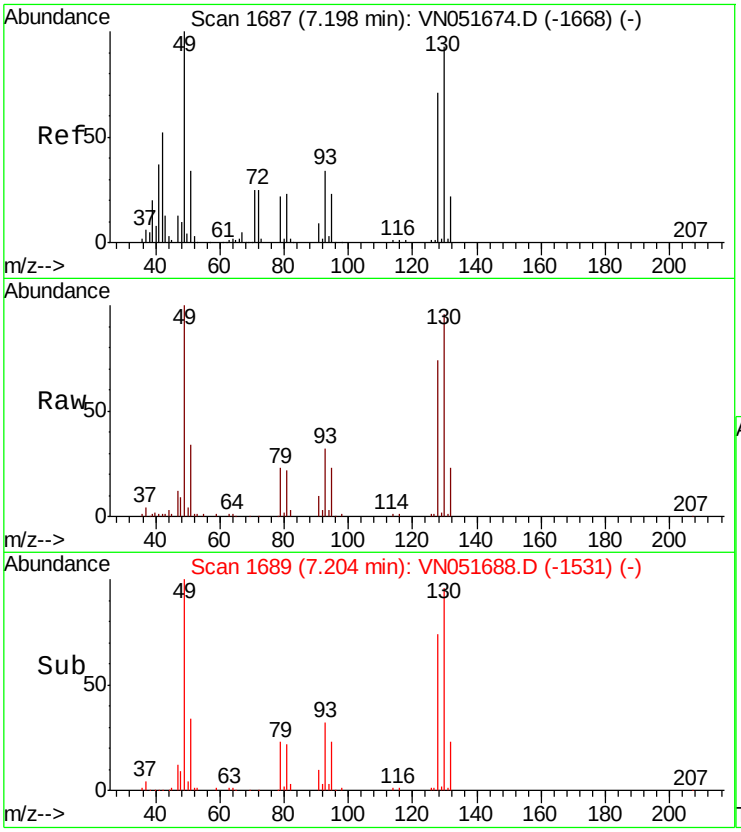
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051688.D
Acq On : 5 Oct 2018 15:41
Operator : MD\SY
Sample : J5239-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Quant Time: Oct 05 16:19:20 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



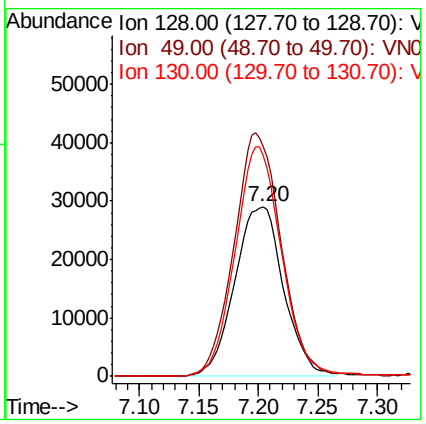


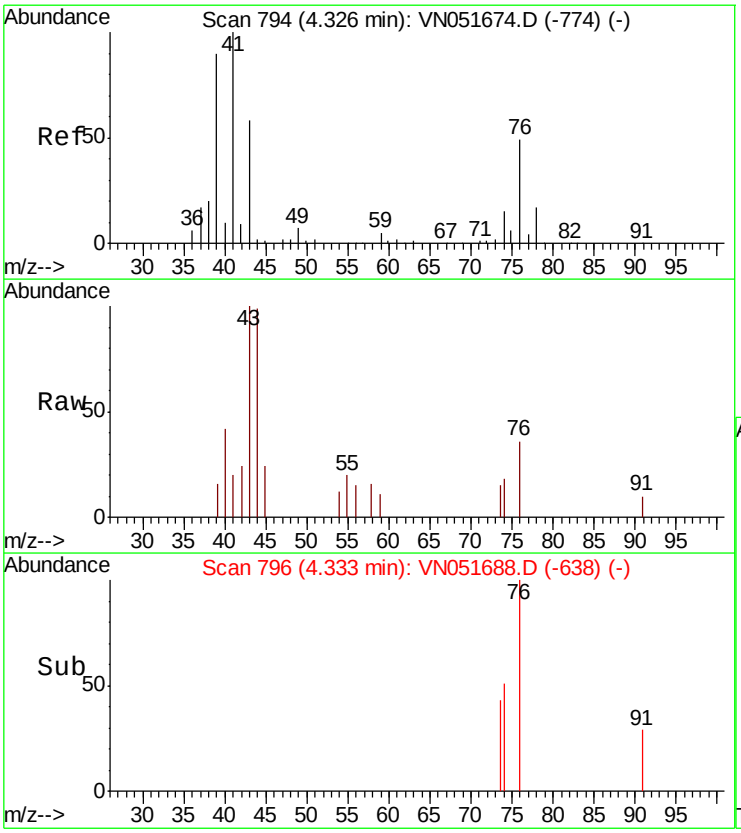
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion:128 Resp: 82519

Ion	Ratio	Lower	Upper
128	100		
49	138.2	0.0	403.3
130	128.5	0.0	326.0

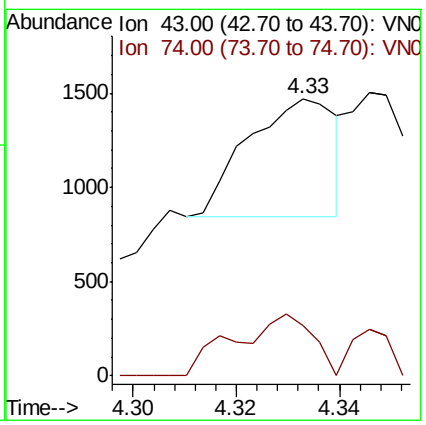


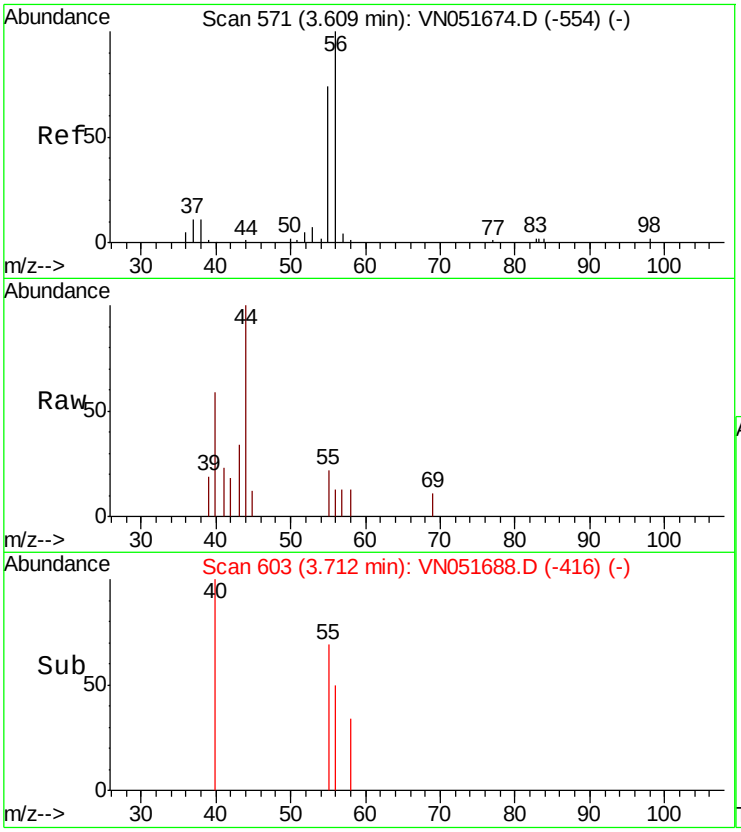


#12
Methyl Acetate
Concen: 0.241 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 43 Resp: 733

Ion	Ratio	Lower	Upper
43	100		
74	74.7	21.8	32.6#



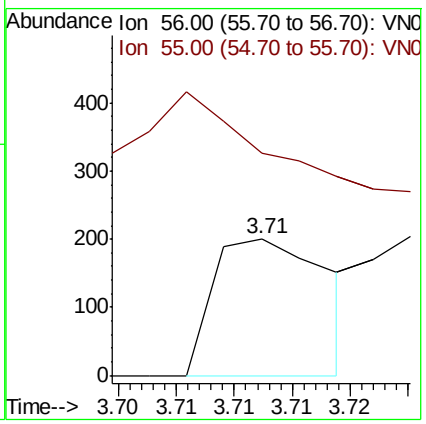


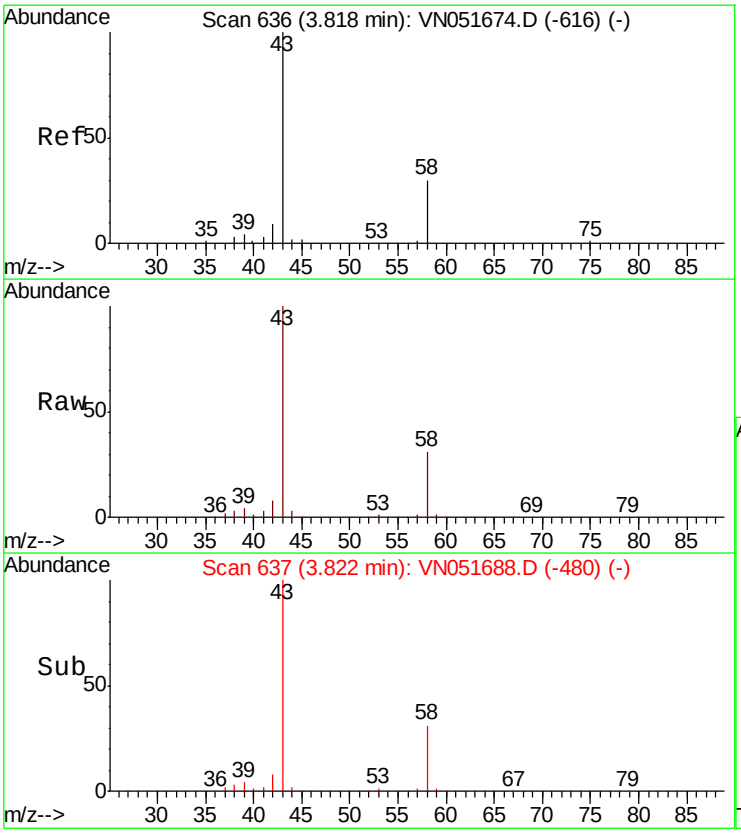
#13
Acrolein
Concen: 0.618 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.10 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 56 Resp: 138

Ion	Ratio	Lower	Upper
56	100		
55	65.2	64.0	96.0

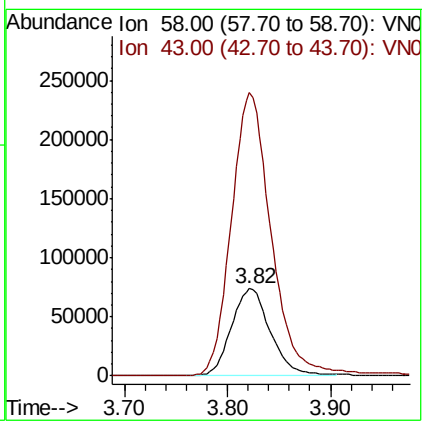


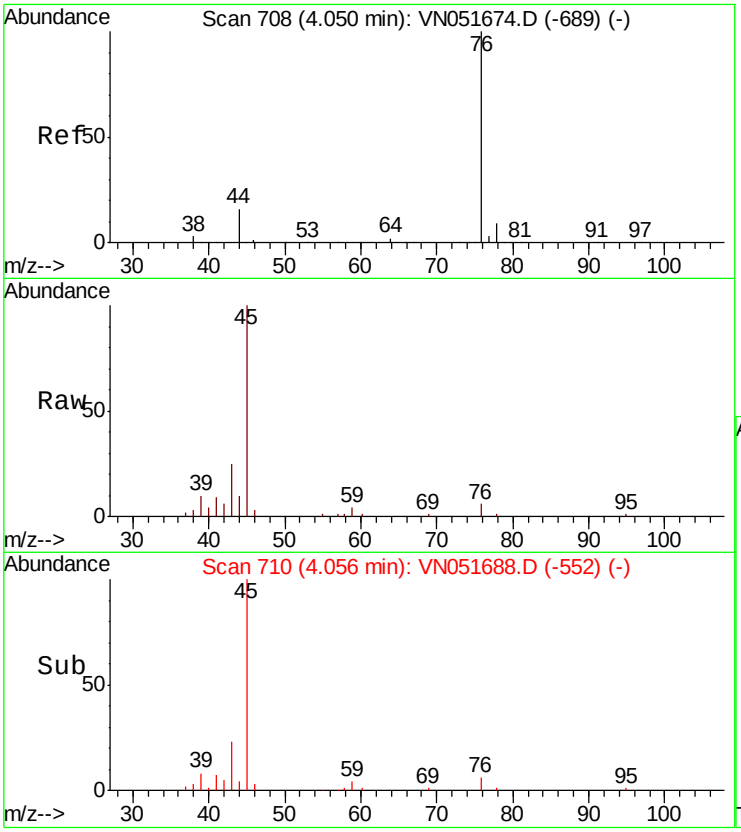


#15
Acetone
Concen: 656.356 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 58 Resp: 194677

Ion	Ratio	Lower	Upper
58	100		
43	325.0	232.2	348.2



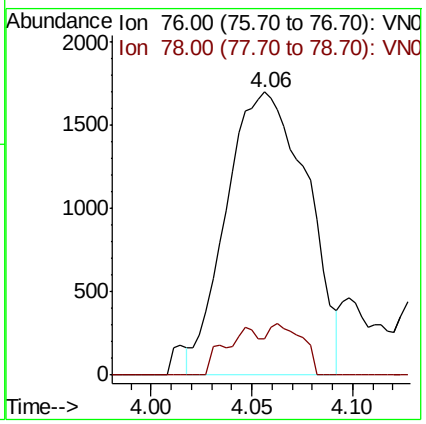


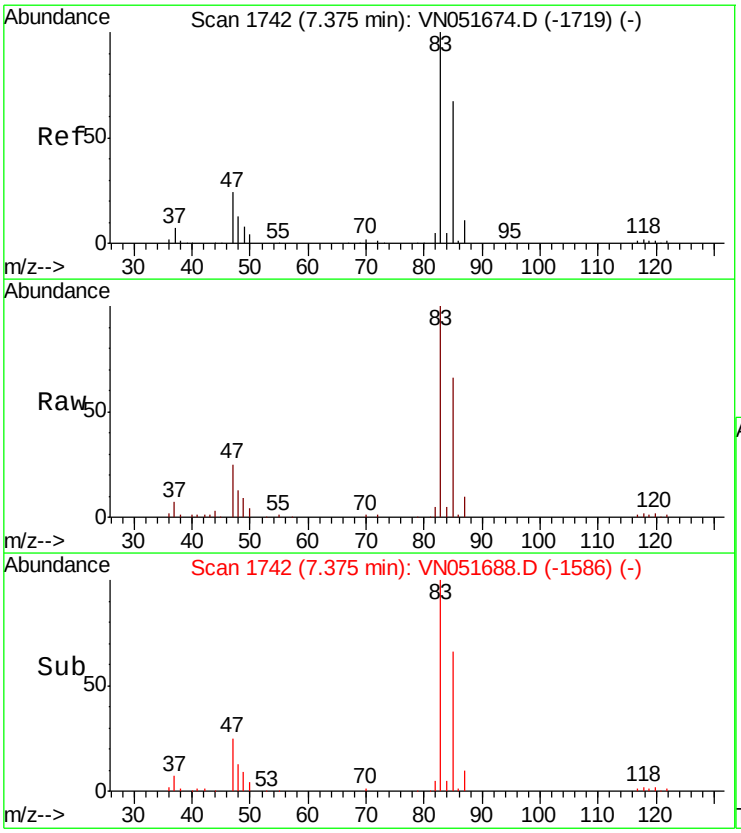
#16
Carbon Disulfide
Concen: 0.430 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 76 Resp: 4741

Ion	Ratio	Lower	Upper
76	100		
78	14.4	6.7	10.1#

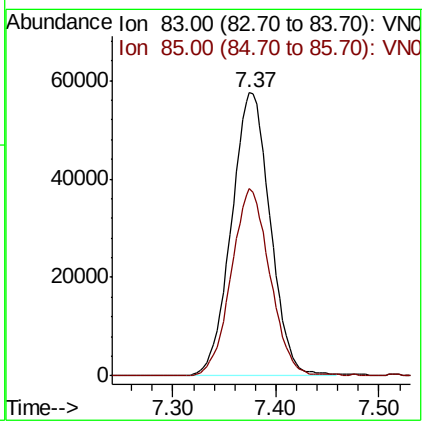


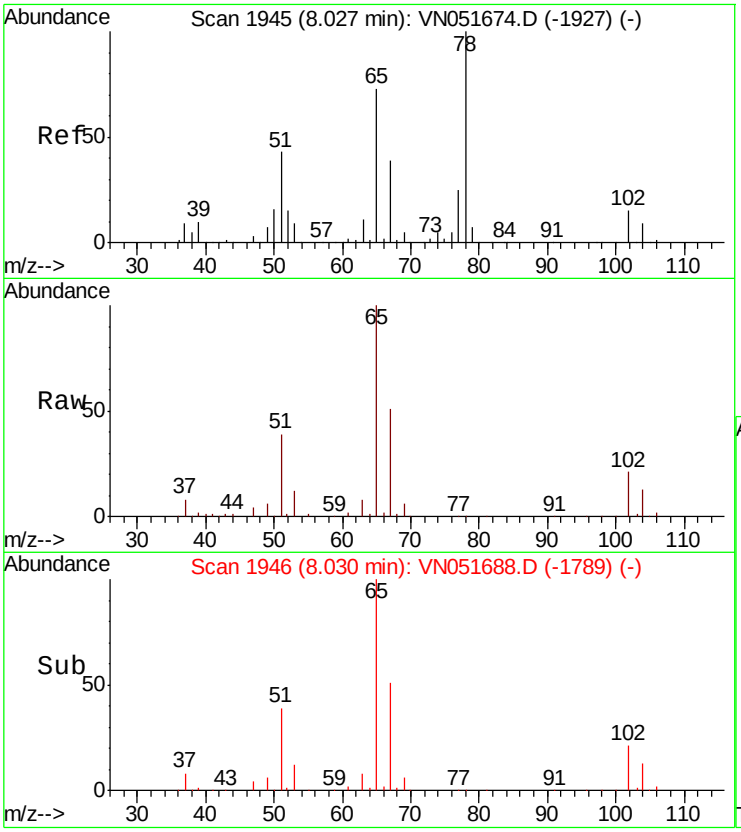


#25
Chloroform
Concen: 16.902 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 83 Resp: 150502

Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.6	82.0



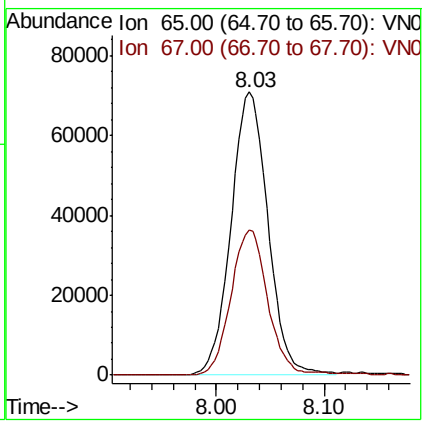


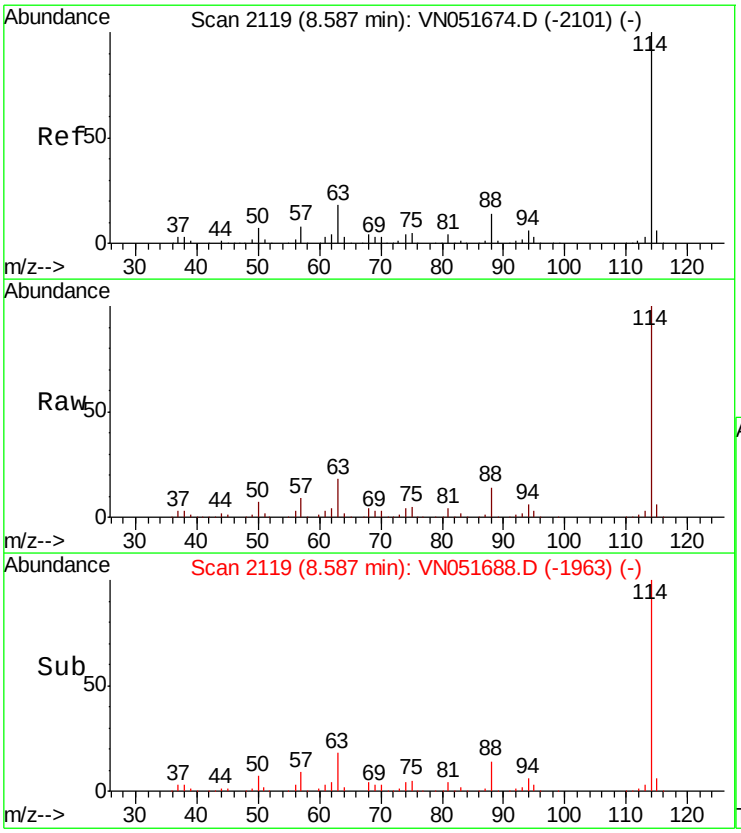
#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument : MSVOA_N
ClientSampleId : 002M-35TH-AVE(AUG)

Tgt Ion: 65 Resp: 169255

Ion	Ratio	Lower	Upper
65	100		
67	51.3	41.8	62.8

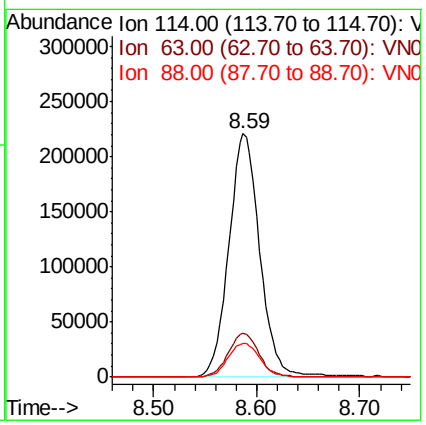


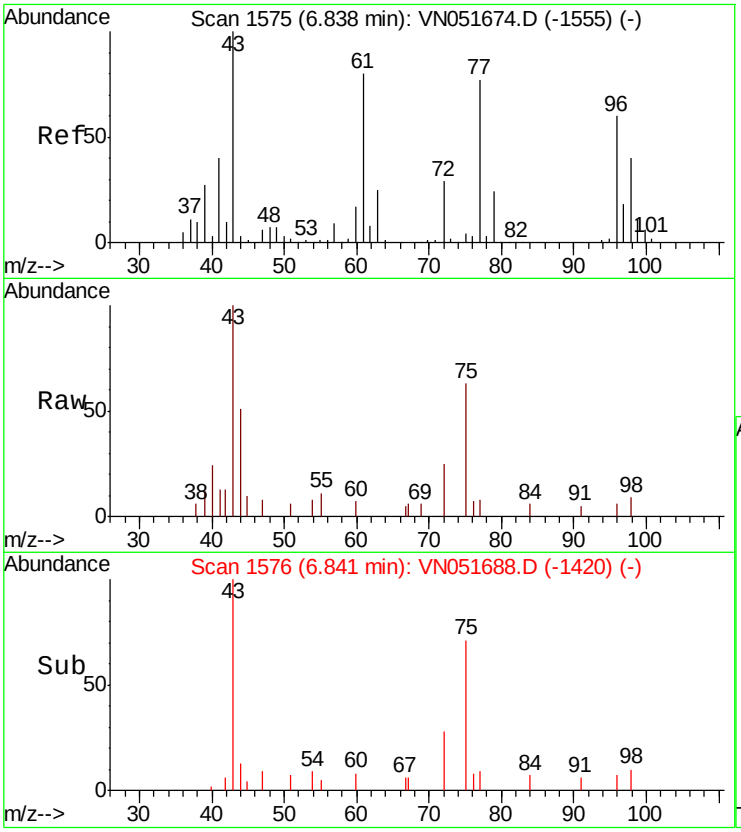


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion:114 Resp: 460915

Ion	Ratio	Lower	Upper
114	100		
63	18.0	16.2	24.2
88	14.5	12.2	18.4



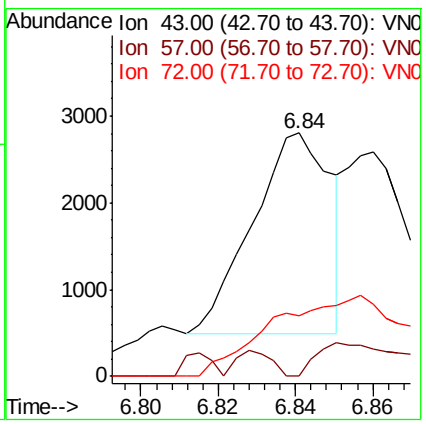


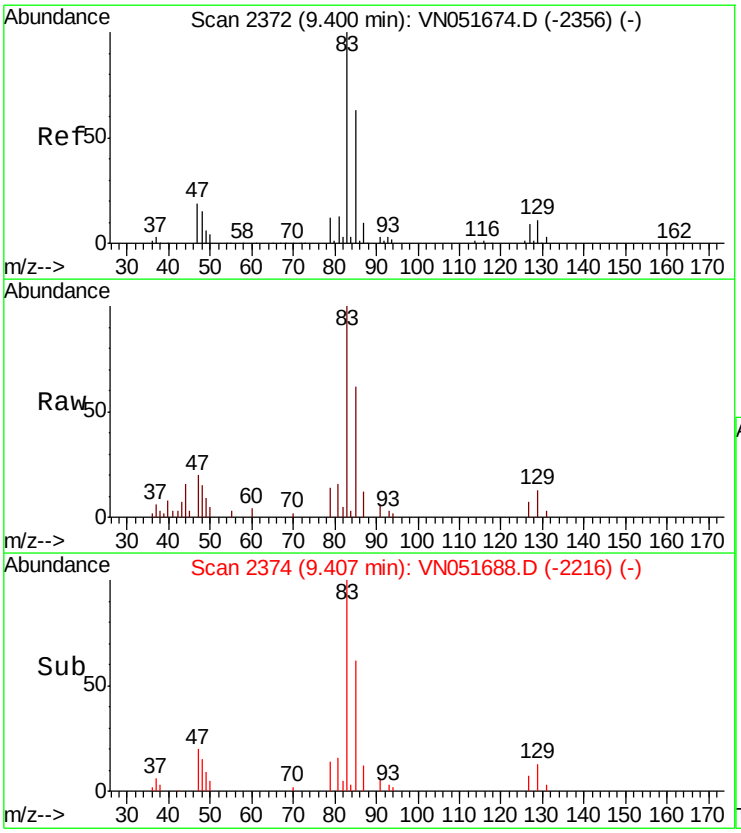
#30
2-Butanone
Concen: 2.160 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 43 Resp: 3222

Ion	Ratio	Lower	Upper
43	100		
57	17.4	4.5	6.7#
72	22.0	21.5	32.3

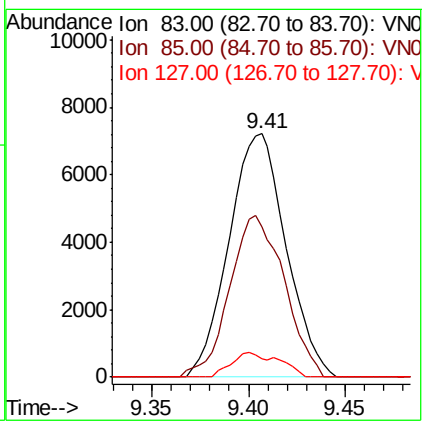


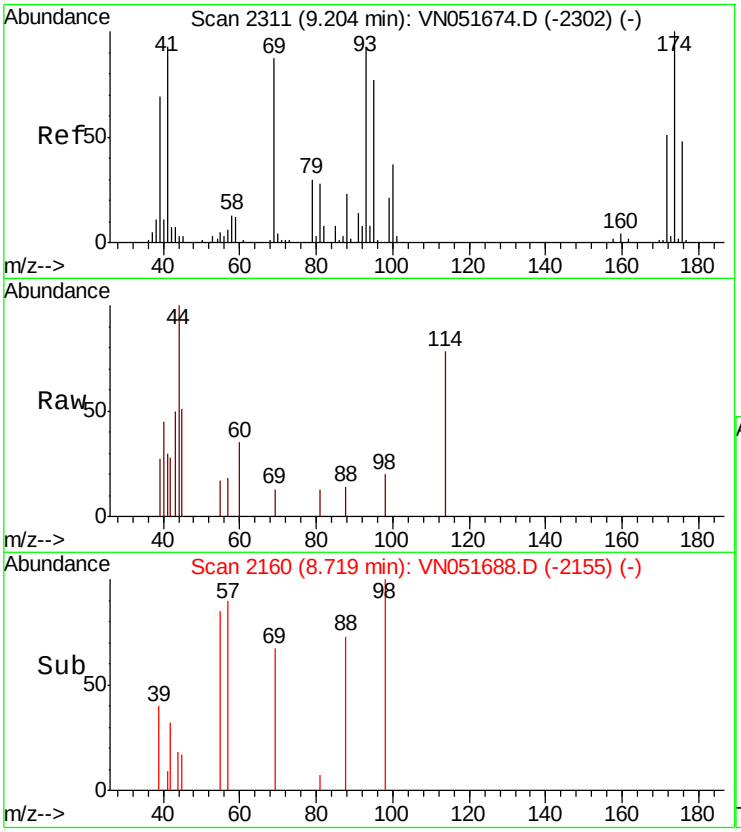


#41
Bromodichloromethane
Concen: 2.110 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.01 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 83 Resp: 14785

Ion	Ratio	Lower	Upper
83	100		
85	61.8	55.7	83.5
127	7.5	8.2	12.4#



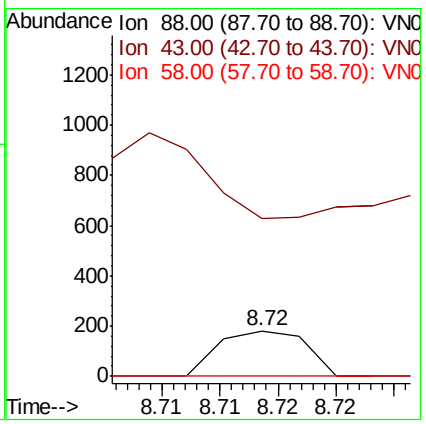


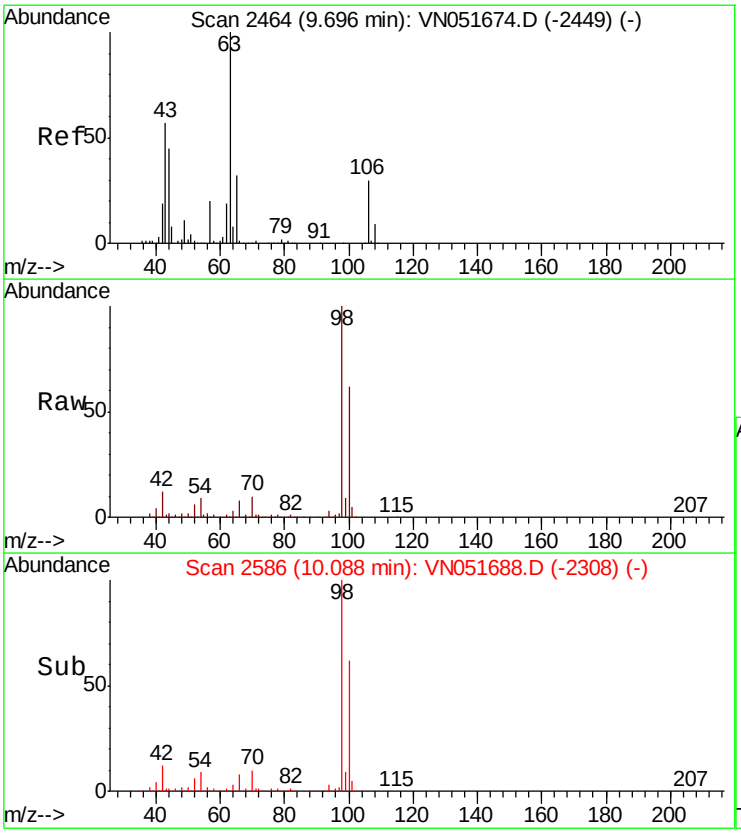
#45
1,4-Dioxane
Concen: 2.166 ug/l
RT: 8.72 min Scan# 2160
Delta R.T. -0.49 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 88 Resp: 95

Ion	Ratio	Lower	Upper
88	100		
43	209.5	26.2	39.2#
58	0.0	65.6	98.4#

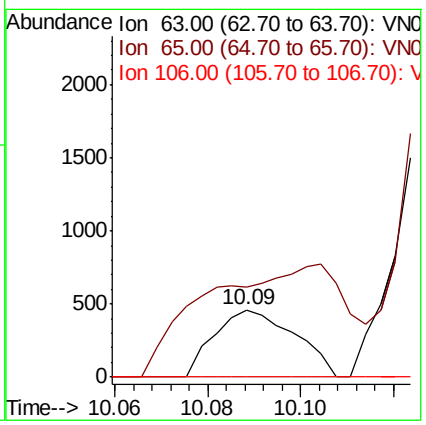


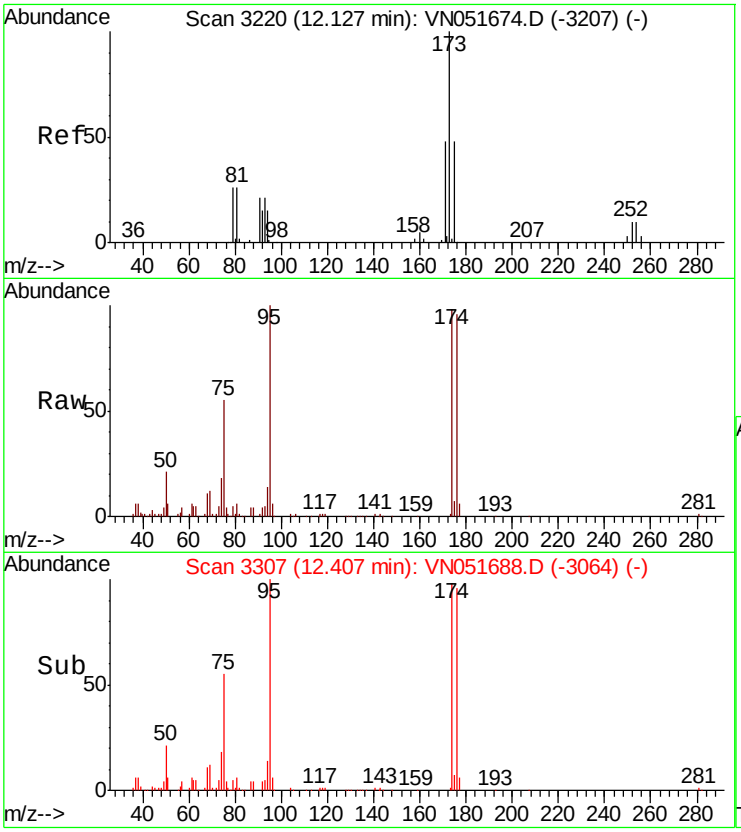


#55
2-Chloroethyl vinyl ether
Concen: 0.237 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.39 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 63 Resp: 552

Ion	Ratio	Lower	Upper
63	100		
65	121.4	25.4	38.0#
106	0.0	21.2	31.8#



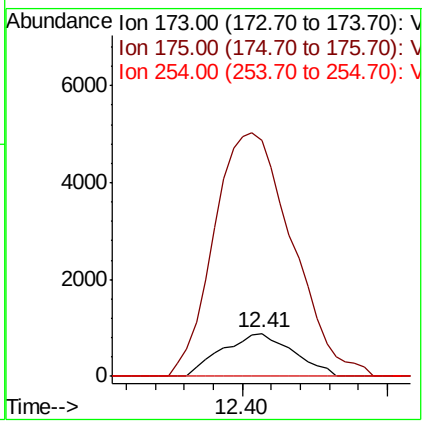


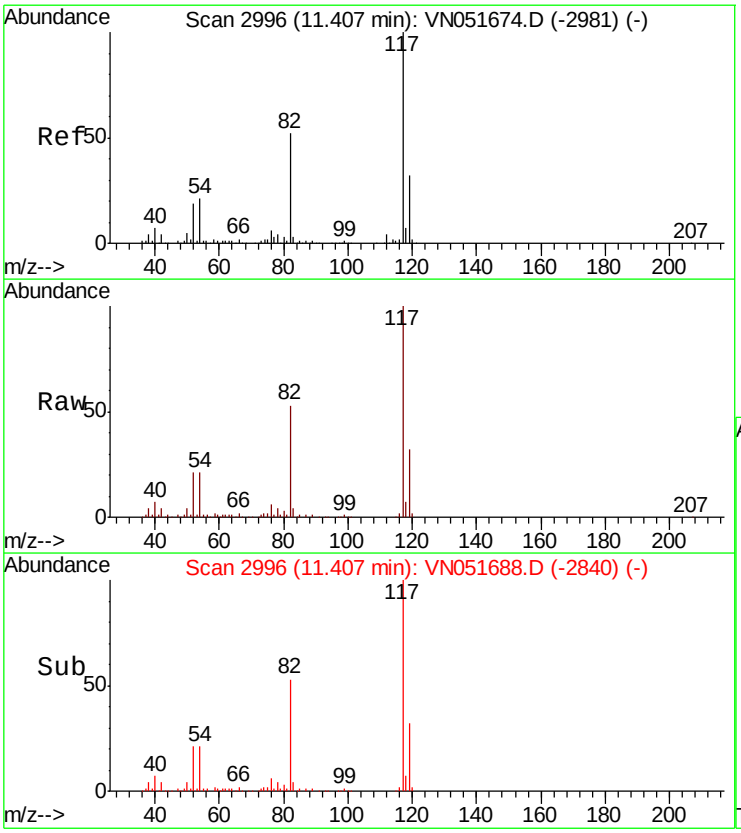
#56
Bromoform
Concen: 0.362 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion:173 Resp: 1510

Ion	Ratio	Lower	Upper
173	100		
175	624.0	35.8	53.8#
254	0.0	8.6	13.0#

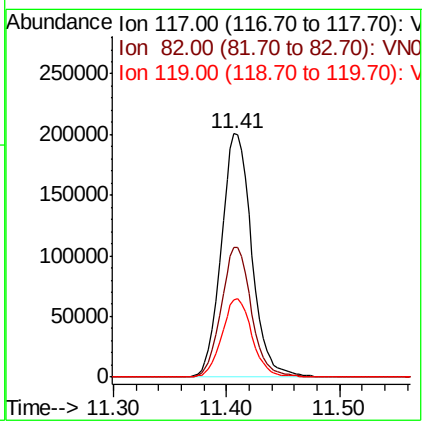


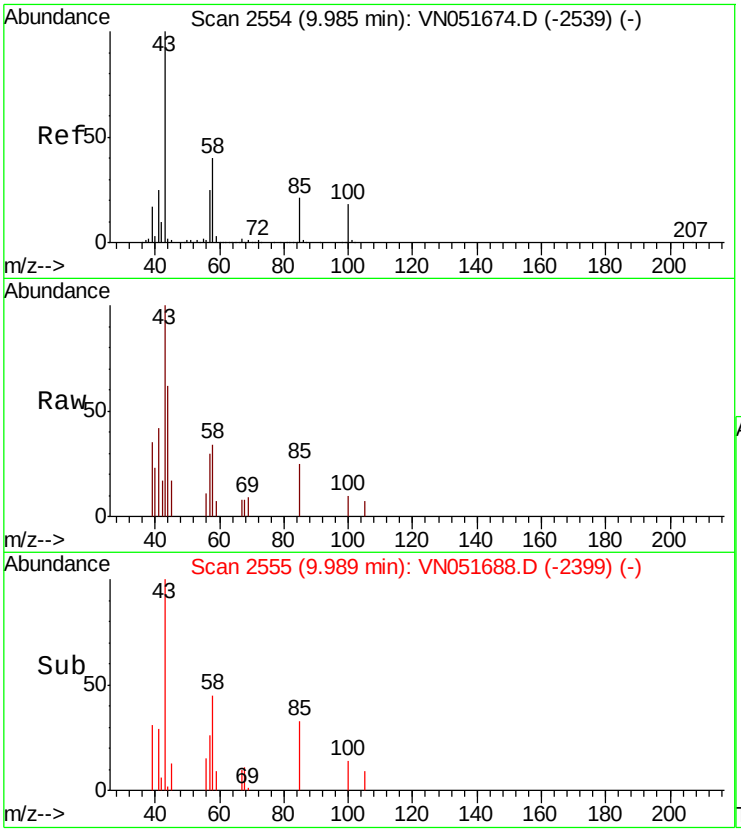


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion:117 Resp: 375059

Ion	Ratio	Lower	Upper
117	100		
82	52.9	44.1	66.1
119	32.1	25.8	38.8



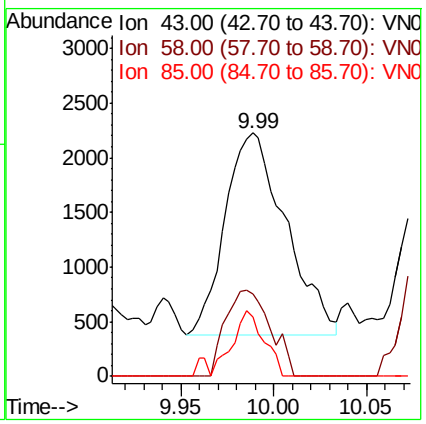


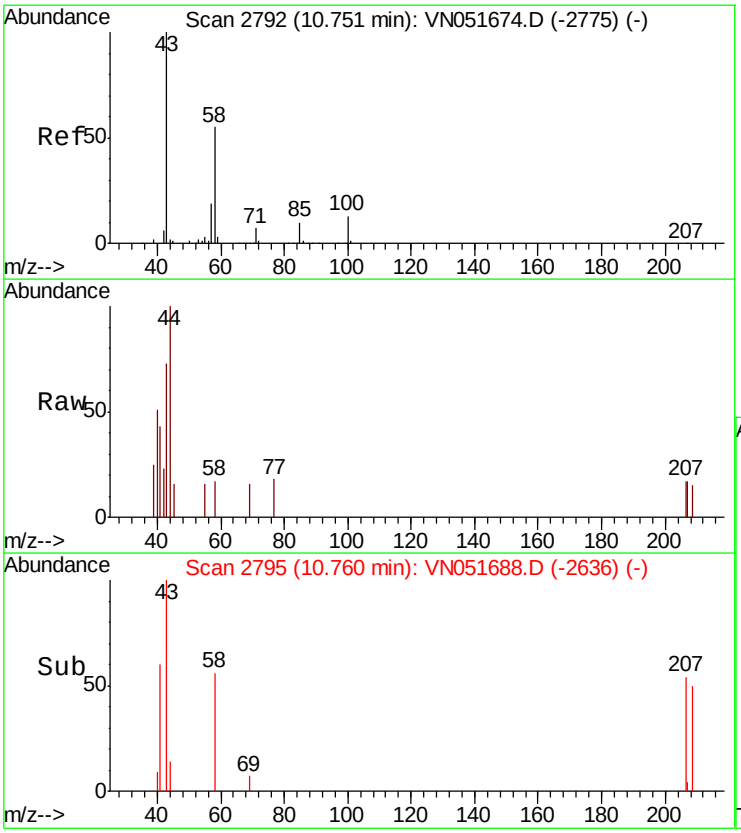
#58
4-Methyl-2-Pentanone
Concen: 1.369 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 43 Resp: 4216

Ion	Ratio	Lower	Upper
43	100		
58	28.8	29.3	43.9#
85	16.9	12.6	18.8

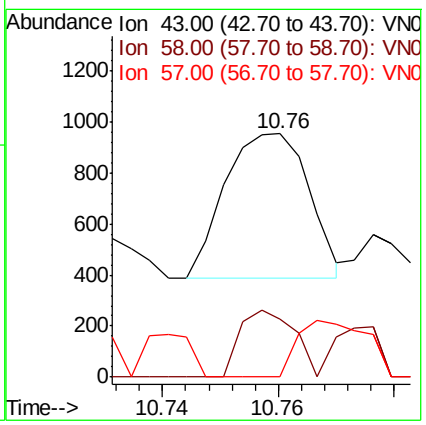


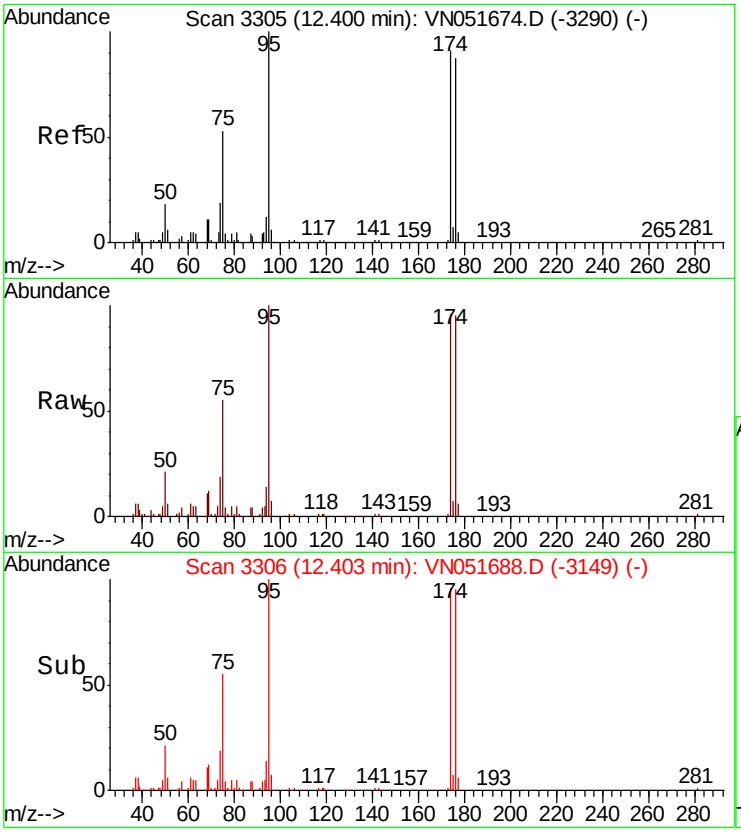


#59
2-Hexanone
Concen: 0.274 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 43 Resp: 571

Ion	Ratio	Lower	Upper
43	100		
58	29.6	41.3	61.9#
57	16.5	13.4	20.0



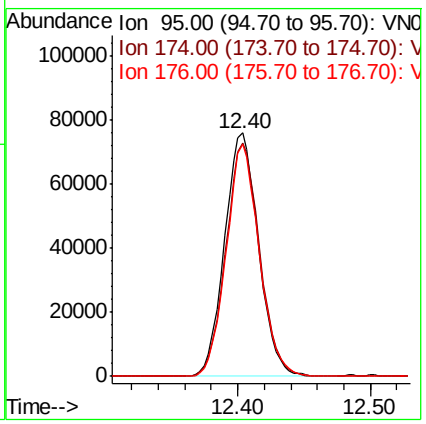


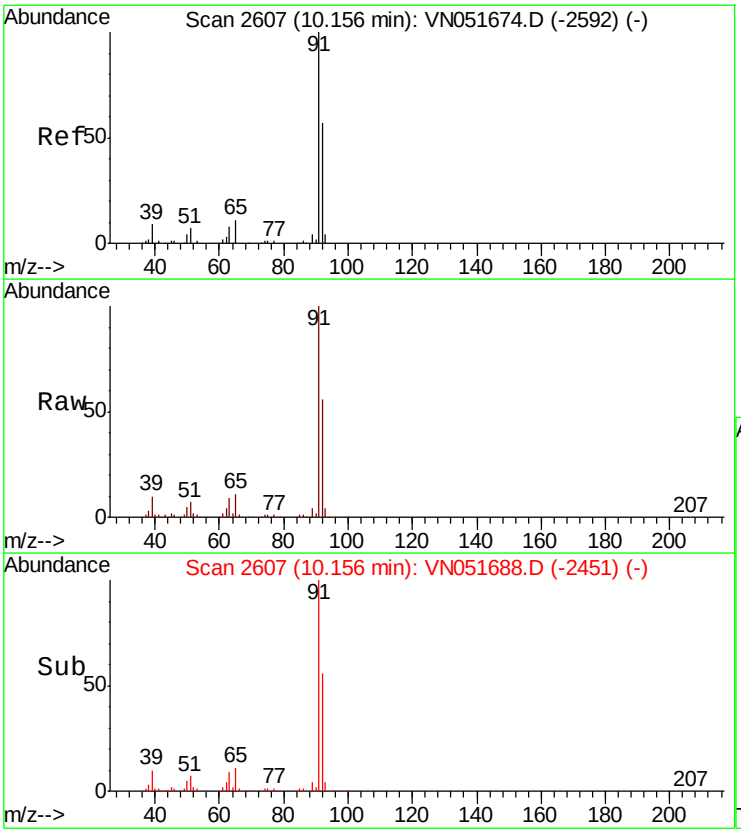
#60
4-Bromofluorobenzene
Concen: 0.274 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 95 Resp: 134622

Ion	Ratio	Lower	Upper
95	100		
174	95.8	73.5	110.3
176	92.8	70.2	105.2

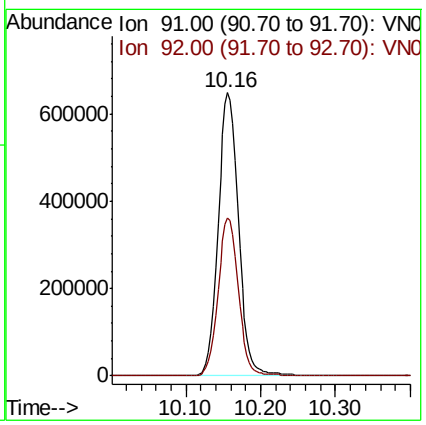


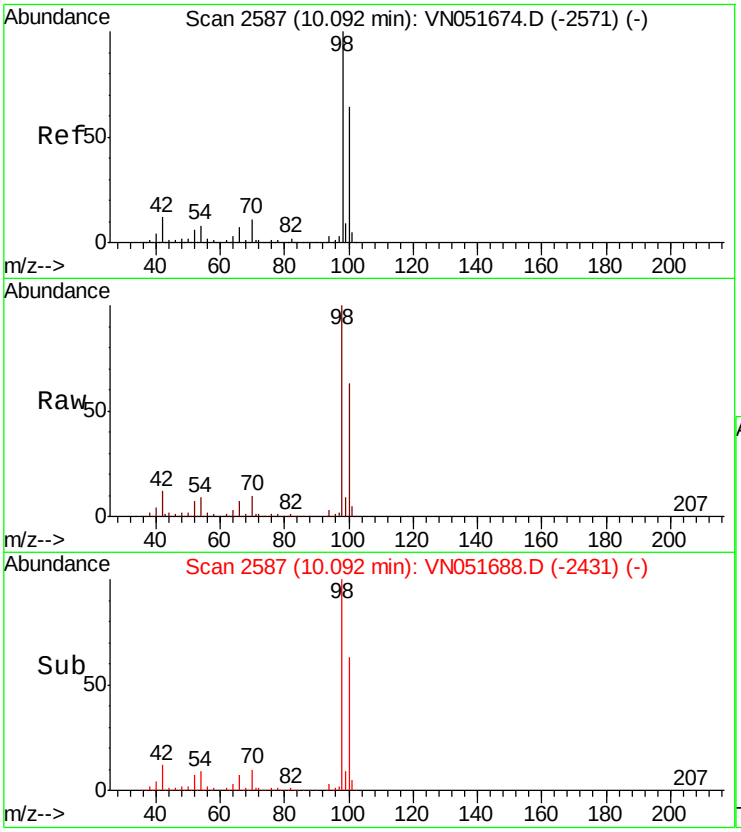


#62
Toluene
Concen: 64.211 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 91 Resp: 1219939

Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.6	66.8



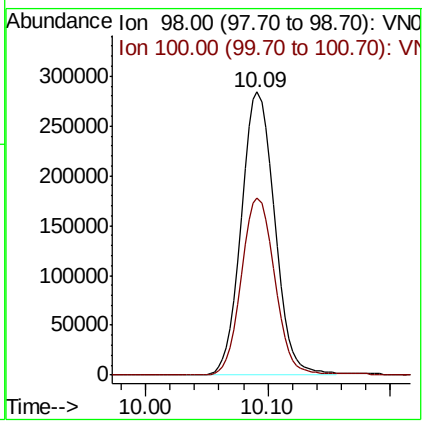


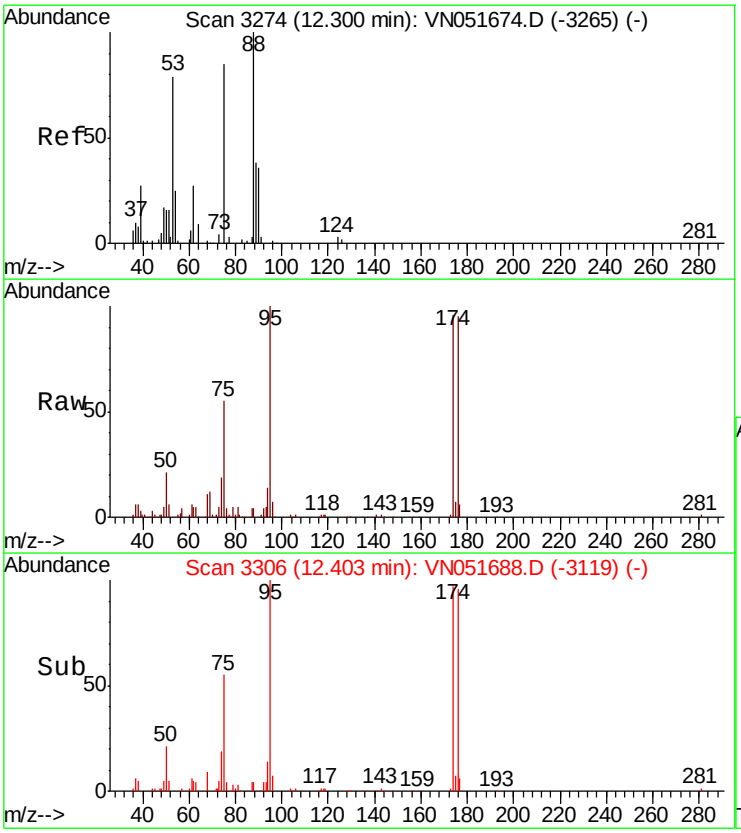
#63
Toluene-d8
Concen: 64.211 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion: 98 Resp: 535017

Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.8	76.2

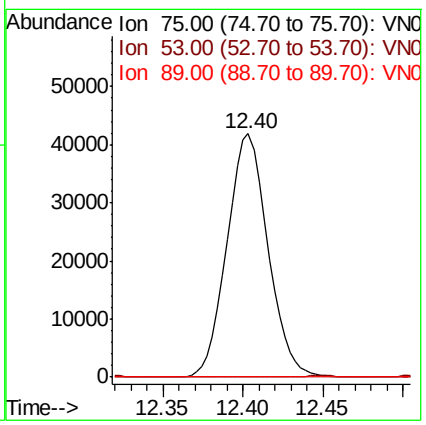


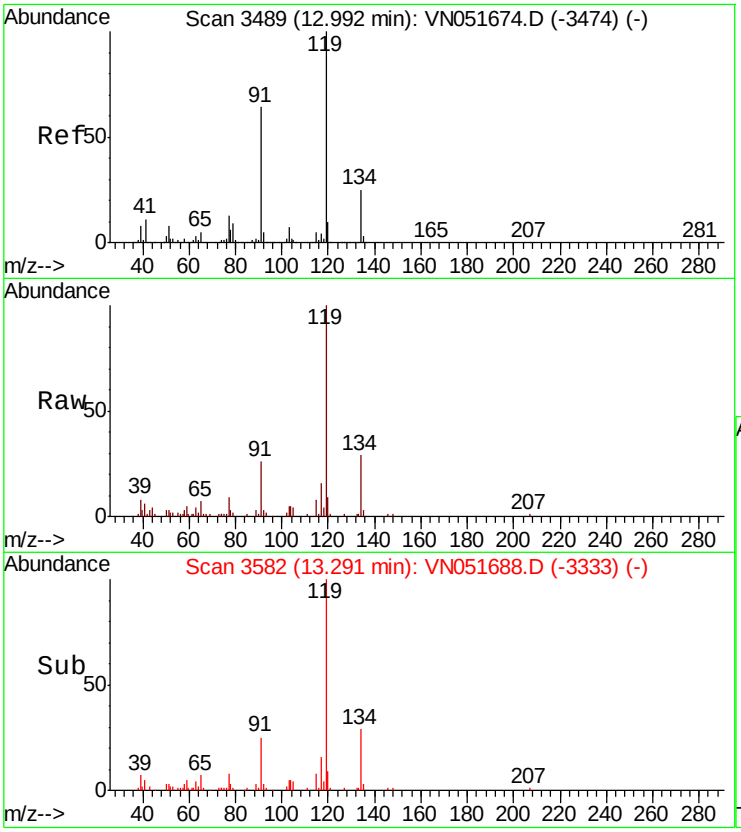


#77
t-1,4-Dichloro-2-butene
Concen: 52.004 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion: 75 Resp: 73177

Ion	Ratio	Lower	Upper
75	100		
53	0.0	46.3	138.9#
89	0.0	24.6	73.8#



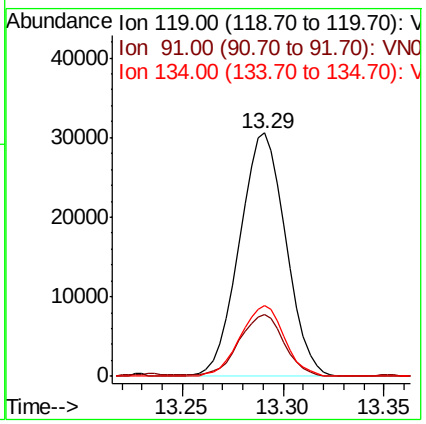


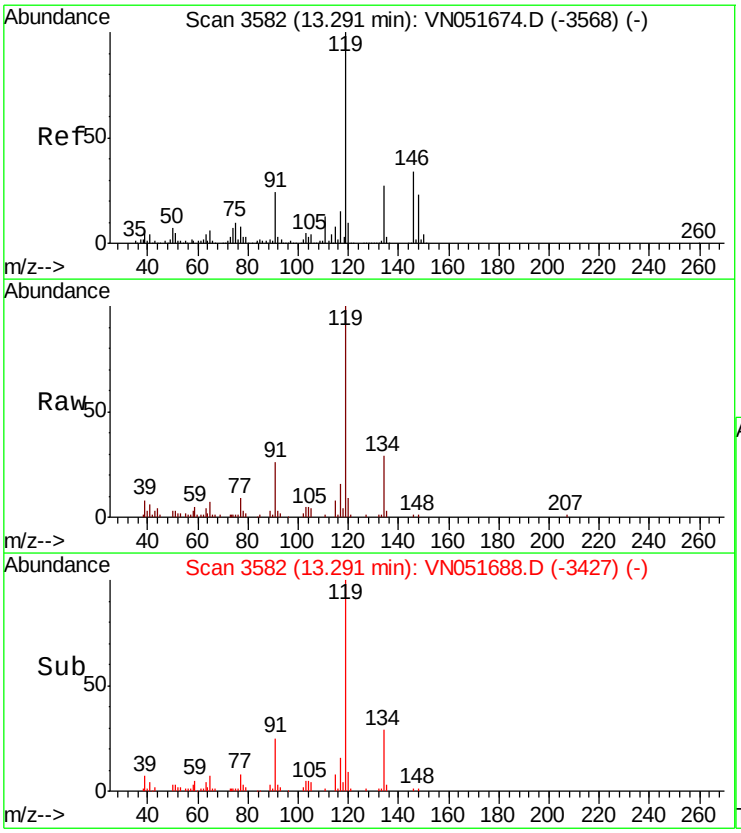
#79
tert-butylbenzene
Concen: 2.846 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion:119 Resp: 49205

Ion	Ratio	Lower	Upper
119	100		
91	24.8	0.0	131.6
134	27.7	0.0	46.2

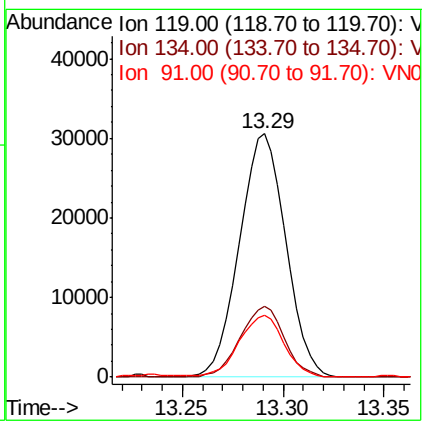


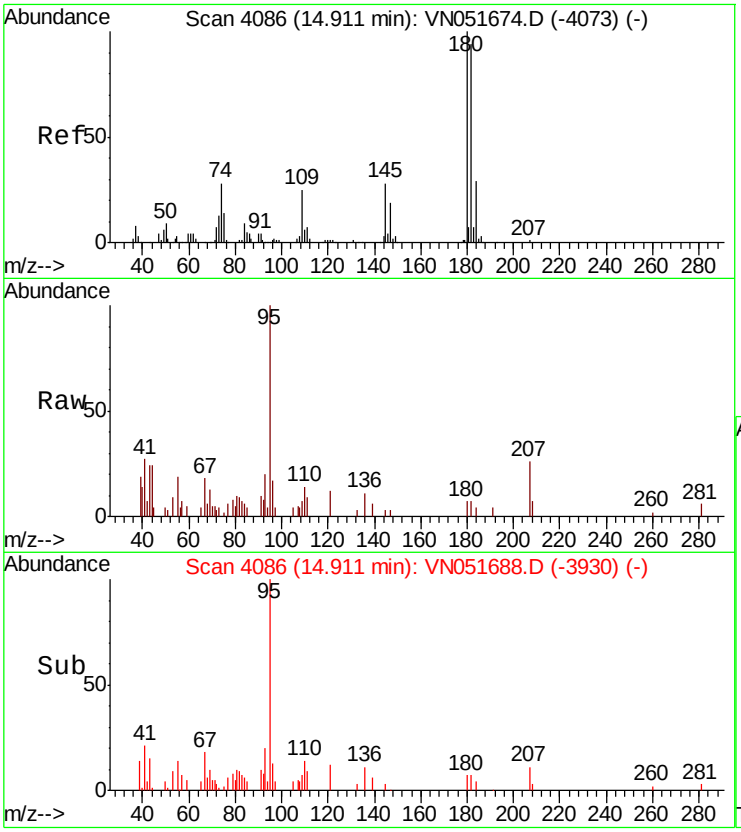


#82
p-Isopropyltoluene
Concen: 2.415 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion:119 Resp: 49205

Ion	Ratio	Lower	Upper
119	100		
134	27.7	0.0	53.6
91	24.8	0.0	52.0



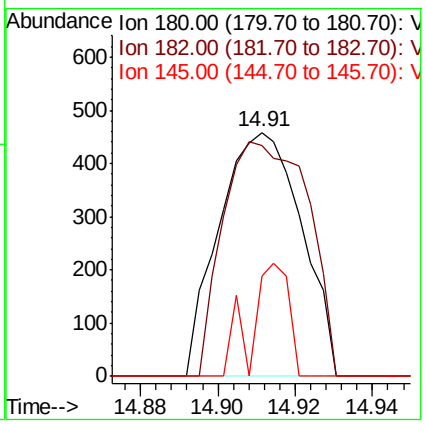


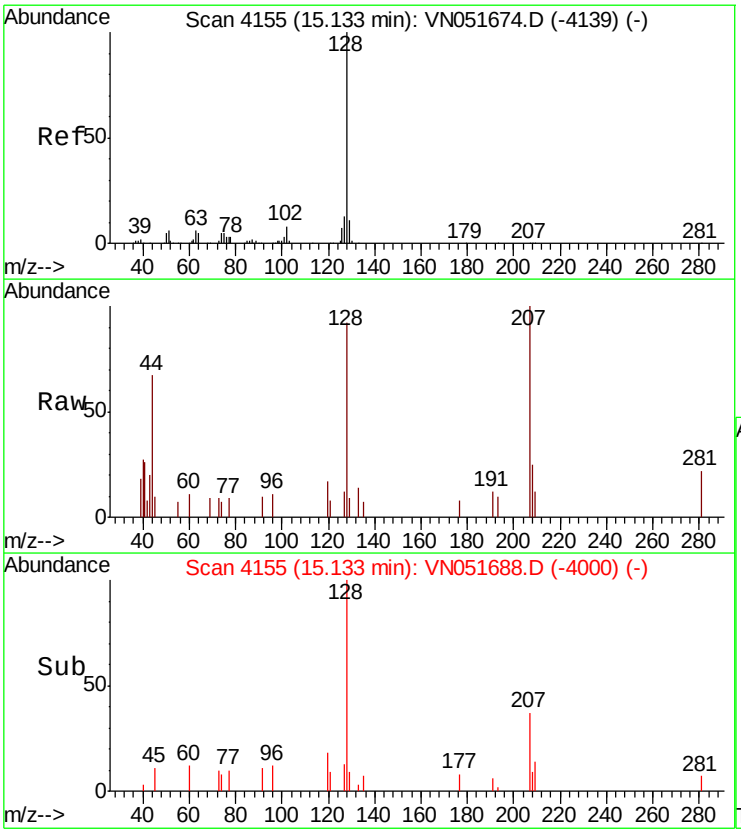
#89
1,2,4-Trichlorobenzene
Concen: 6.947 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion:180 Resp: 677

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.7	116.5#
145	16.8	23.4	35.2#

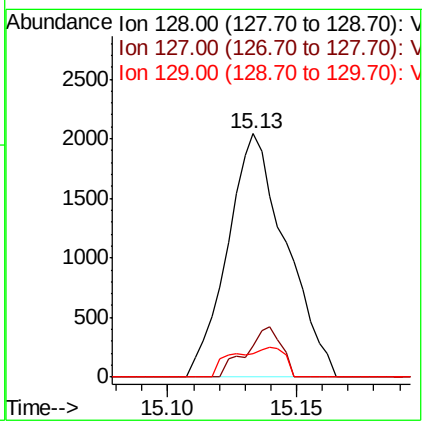


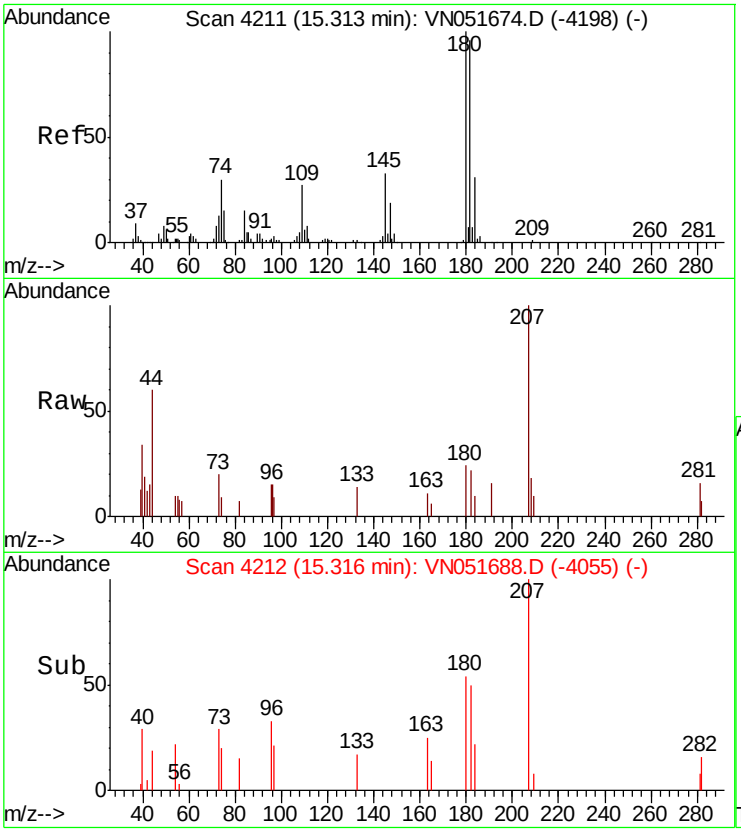


#91
Naphthalene
Concen: 0.359 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Tgt Ion:128 Resp: 3238

Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.1	15.1#
129	6.5	8.4	12.6#





#92
1,2,3-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051688.D
Acq: 5 Oct 2018 15:41

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tgt Ion:180 Resp: 830

Ion	Ratio	Lower	Upper
180	100		
182	102.0	0.0	198.0
145	0.0	0.0	36.8