Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010419\
Data File : VN053282.D
Acq On : 4 Jan 2019 15:17
Operator : MD\SY
Sample : K1046-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

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

Quant Time: Jan 05 00:04:24 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	7.19	128	135865	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	773567	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	690416	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.02	65	260640	30.20	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.67%			
60) 4-Bromofluorobenzene	12.40	95	312820	29.61	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 98.70%			
63) Toluene-d8	10.09	98	906433	29.14	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 97.13%			
Target Compounds						Qvalue
13) Acrolein	3.61	56	240	0.326	ug/l #	47
15) Acetone	3.82	58	133212	227.069	ug/l	97
16) Carbon Disulfide	4.06	76	5027	0.206	ug/l #	95
23) tert-Butyl Alcohol	4.34	59	195	0.419	ug/l #	100
30) 2-Butanone	6.85	43	4374	1.496	ug/l #	63
51) Ethyl methacrylate	10.09	69	3139	0.323	ug/l	91
58) 4-Methyl-2-Pentanone	9.99	43	3010	0.458	ug/l	98
62) Toluene	10.16	91	92144	2.434	ug/l	99
77) t-1,4-Dichloro-2-butene	12.40	75	143965	56.136	ug/l #	11

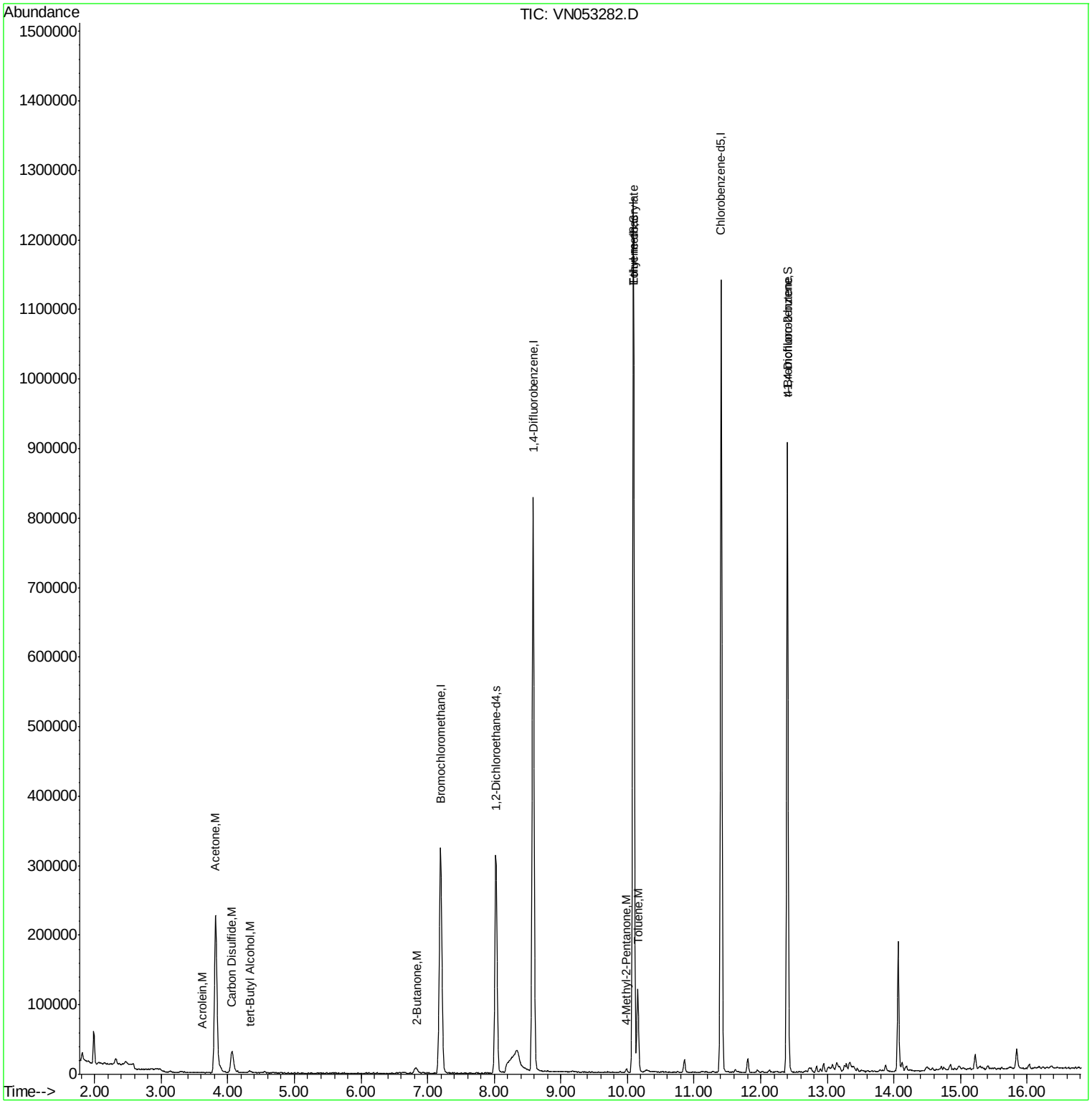
(#) = qualifier out of range (m) = manual integration (+) = signals summed

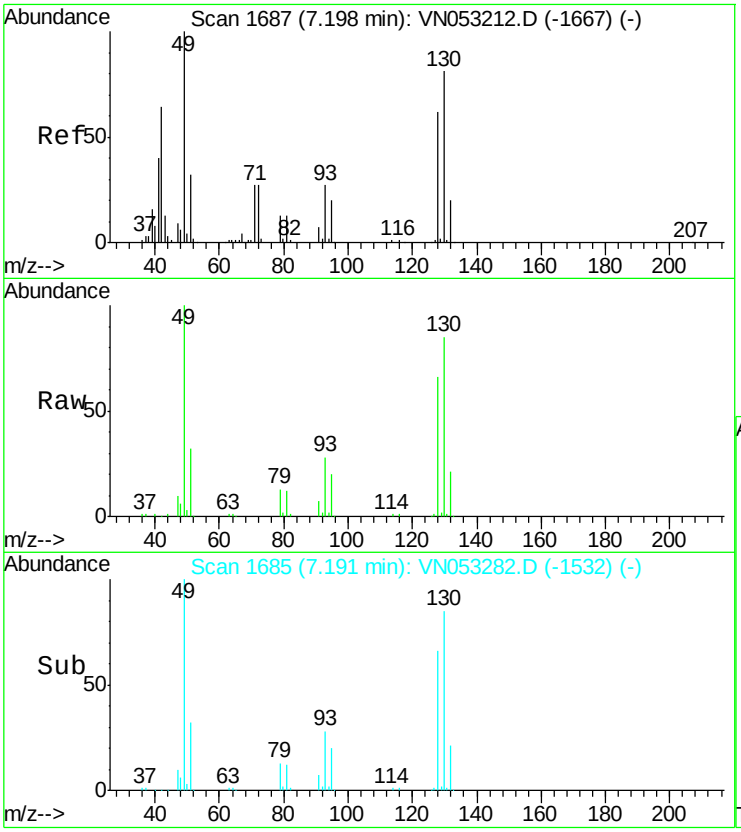
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010419\
Data File : VN053282.D
Acq On : 4 Jan 2019 15:17
Operator : MD\SY
Sample : K1046-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

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

Quant Time: Jan 05 00:04:24 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



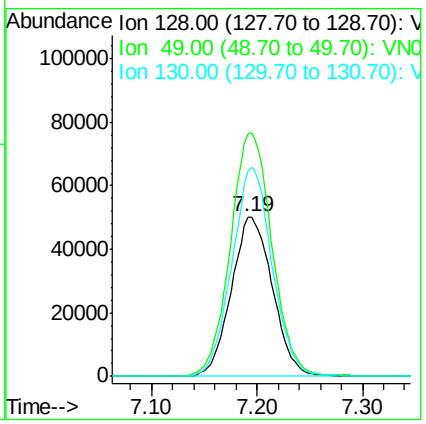


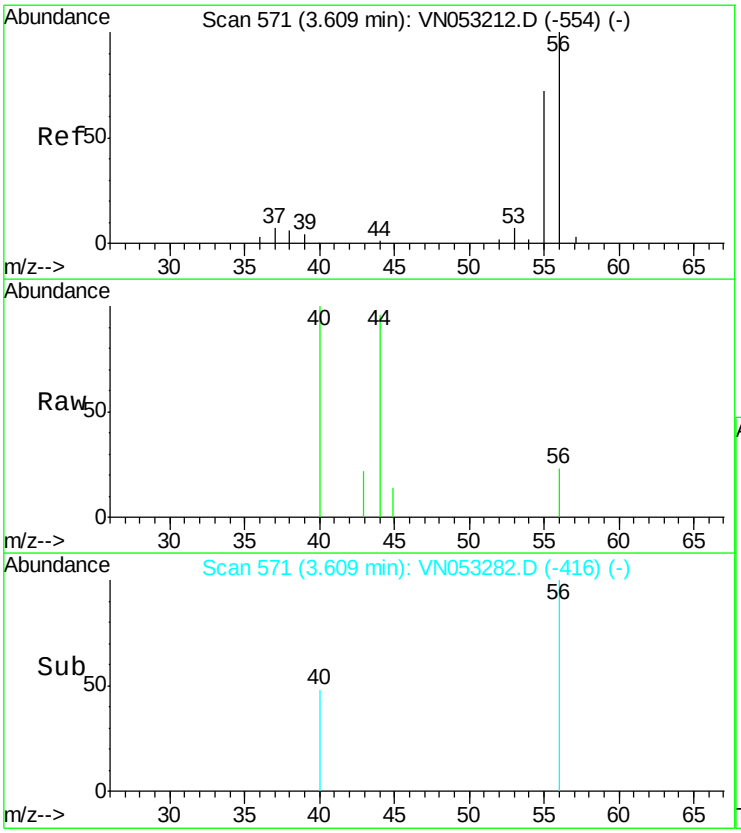
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion:128 Resp: 135865

Ion	Ratio	Lower	Upper
128	100		
49	154.4	0.0	431.8
130	129.0	0.0	317.0

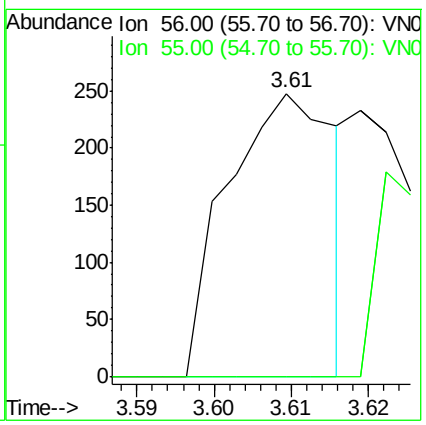


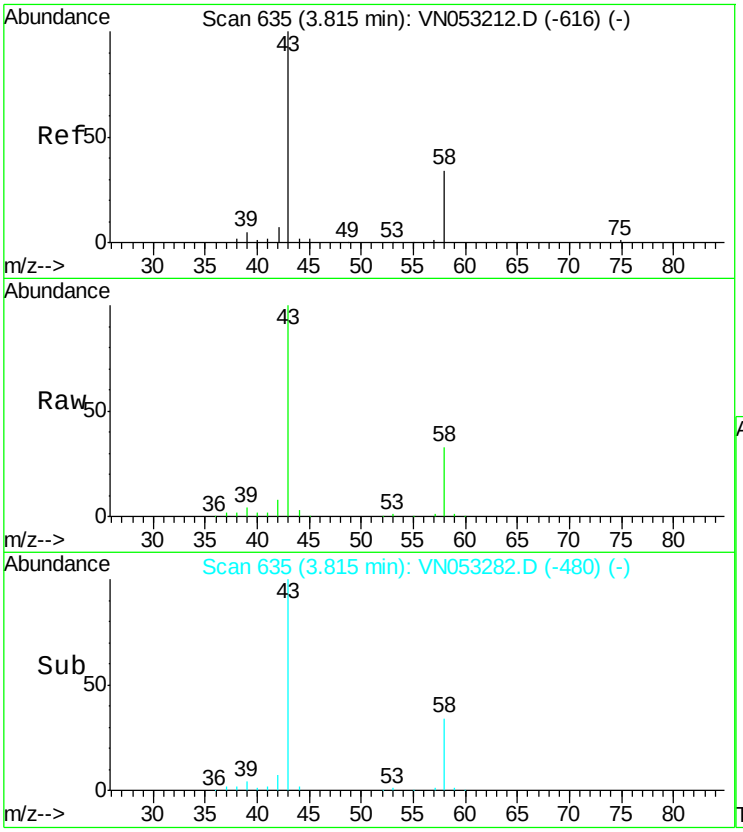


#13
Acrolein
Concen: 0.326 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion: 56 Resp: 240

Ion	Ratio	Lower	Upper
56	100		
55	27.1	56.7	85.1#



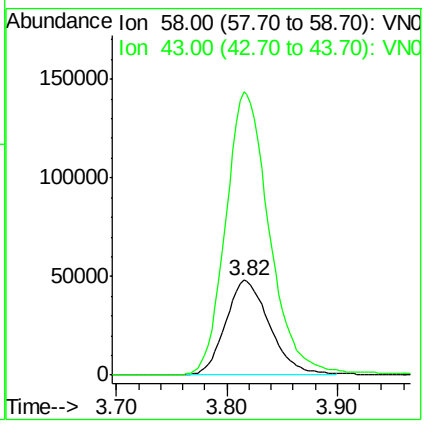


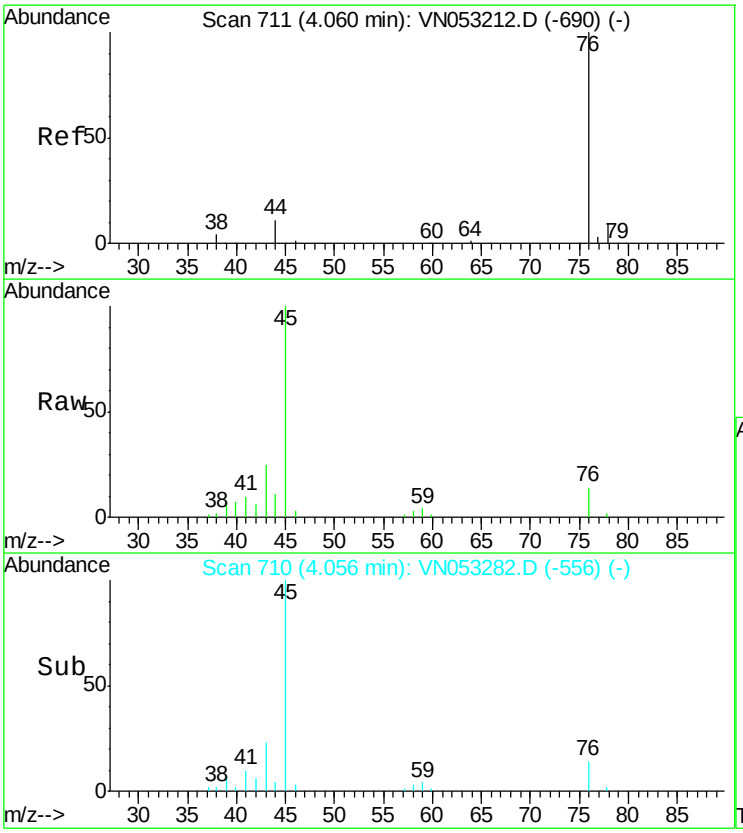
#15
Acetone
Concen: 227.069 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion: 58 Resp: 133212

Ion	Ratio	Lower	Upper
58	100		
43	297.6	243.6	365.4

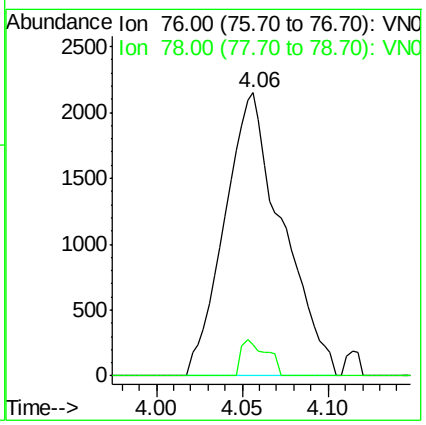


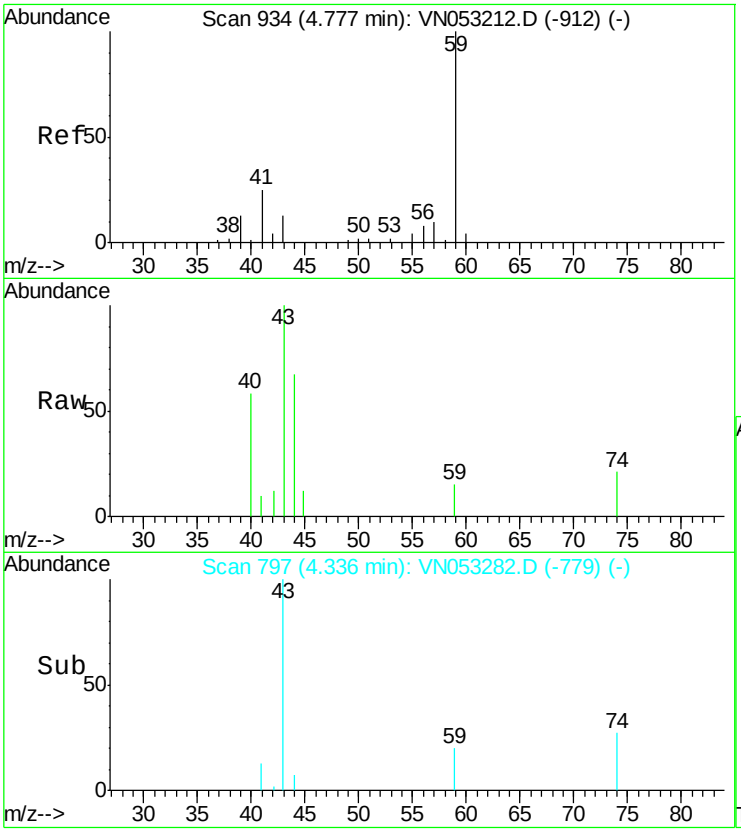


#16
Carbon Disulfide
Concen: 0.206 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion: 76 Resp: 5027

Ion	Ratio	Lower	Upper
76	100		
78	11.1	7.3	10.9#



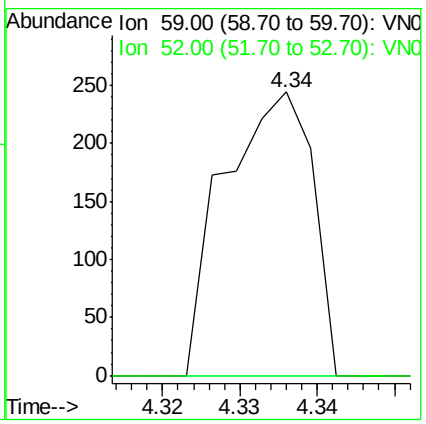


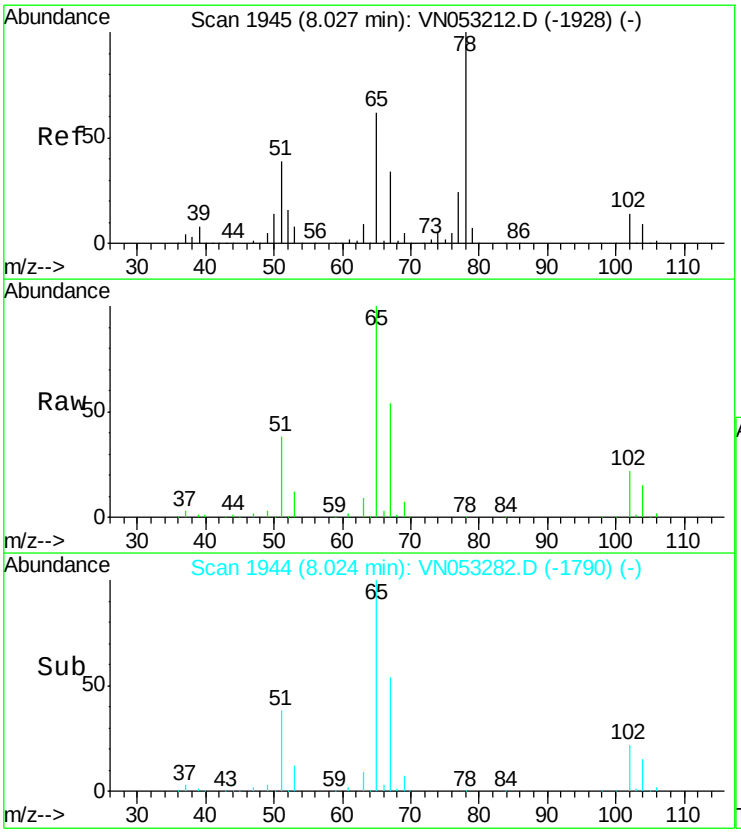
#23
tert-Butyl Alcohol
Concen: 0.419 ug/l
RT: 4.34 min Scan# 797
Delta R.T. -0.44 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion: 59 Resp: 195

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

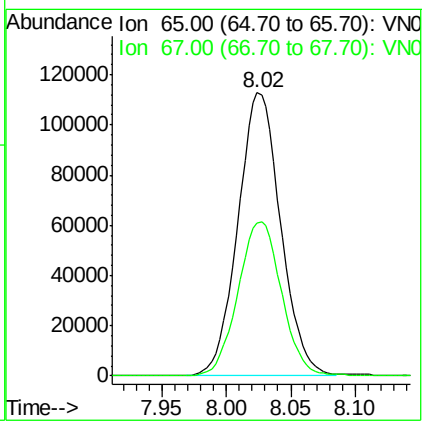


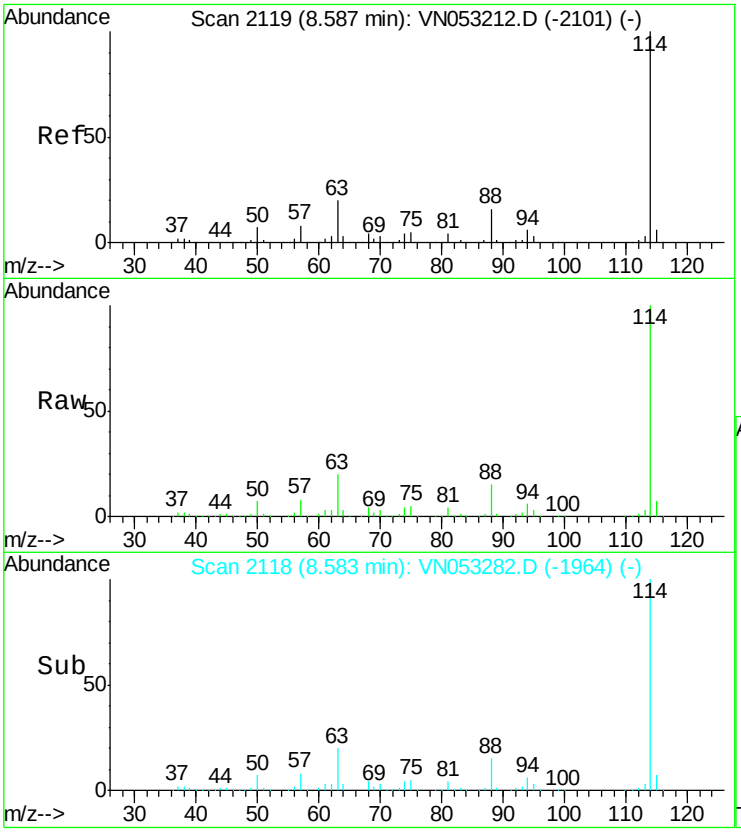


#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion: 65 Resp: 260640

Ion	Ratio	Lower	Upper
65	100		
67	55.2	44.6	66.8



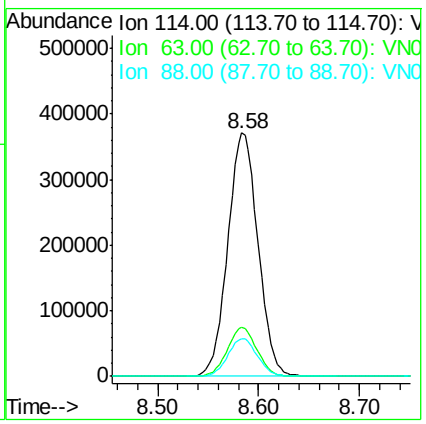


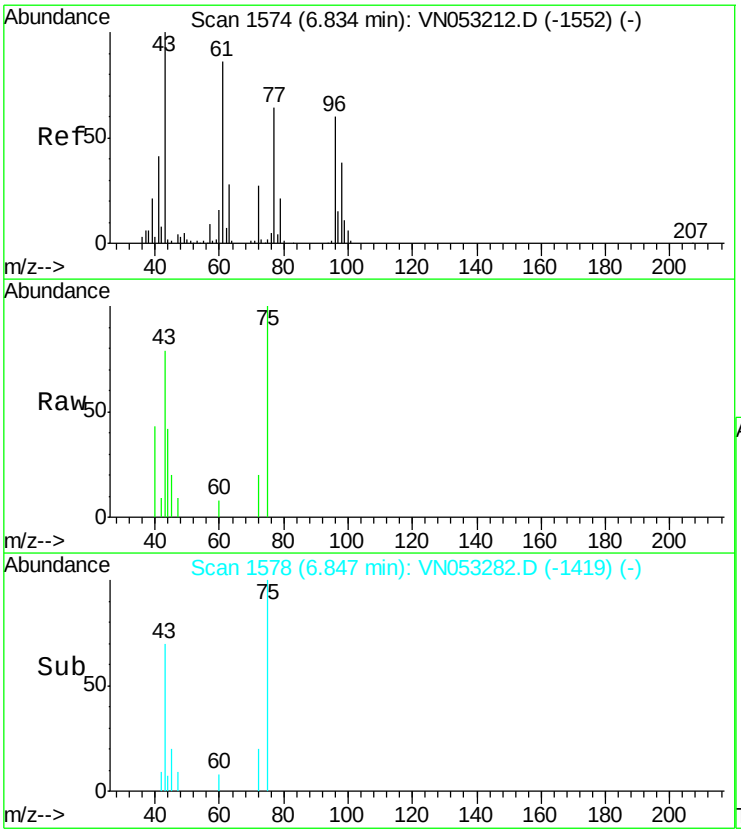
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion:114 Resp: 773567

Ion	Ratio	Lower	Upper
114	100		
63	19.7	16.9	25.3
88	15.3	12.8	19.2

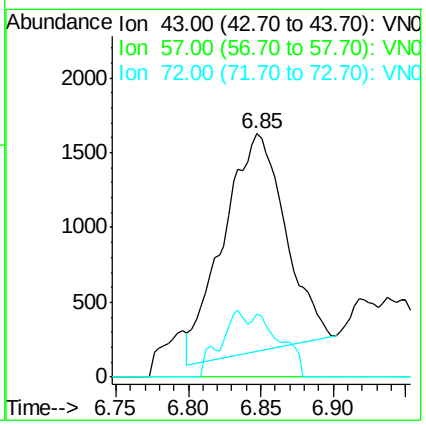


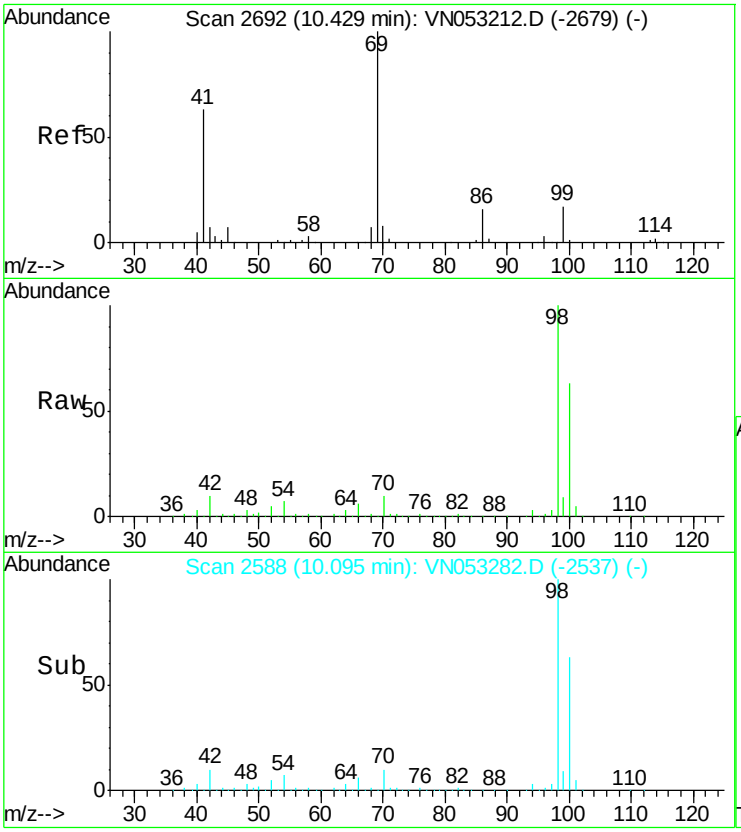


#30
2-Butanone
Concen: 1.496 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion: 43 Resp: 4374

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.2	9.4#
72	5.0	21.0	31.6#



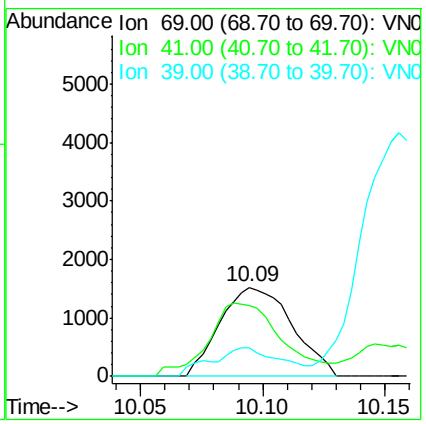


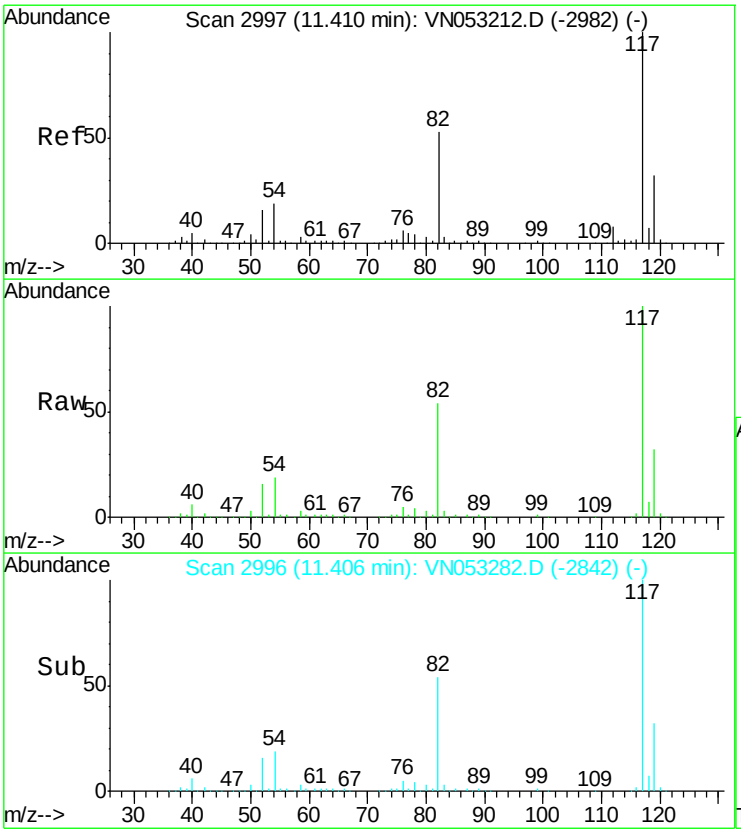
#51
Ethyl methacrylate
Concen: 0.323 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion: 69 Resp: 3139

Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.4	103.3
39	21.8	16.4	49.2

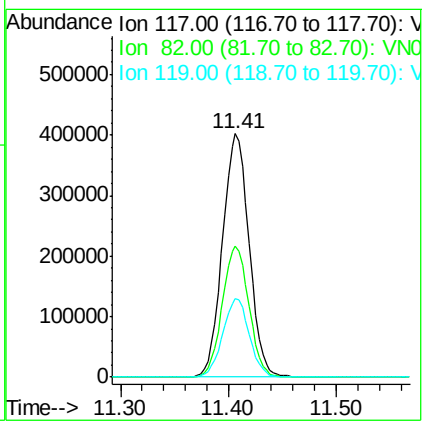


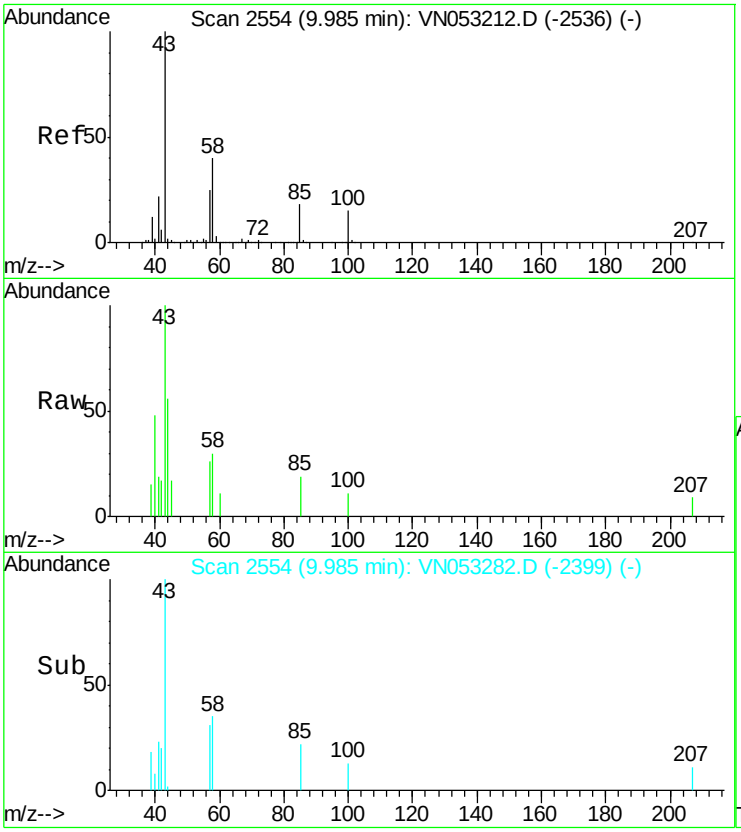


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion:117 Resp: 690416

Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	32.2	25.4	38.2



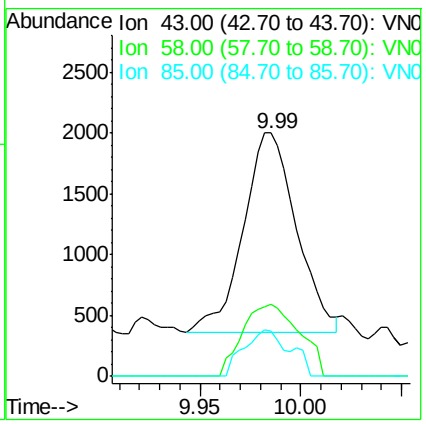


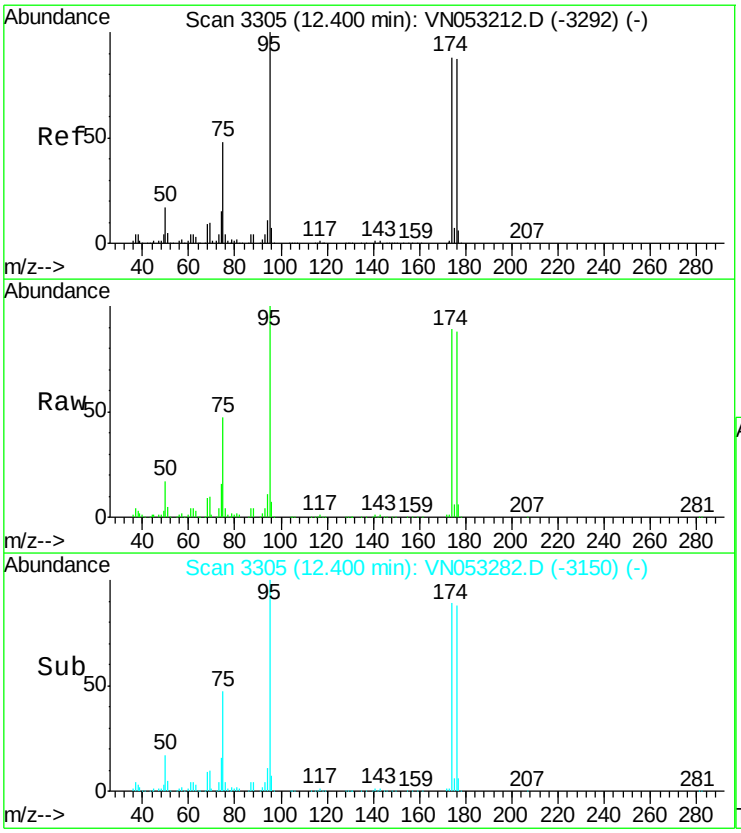
#58
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion: 43 Resp: 3010

Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.6	47.4
85	17.4	13.3	19.9

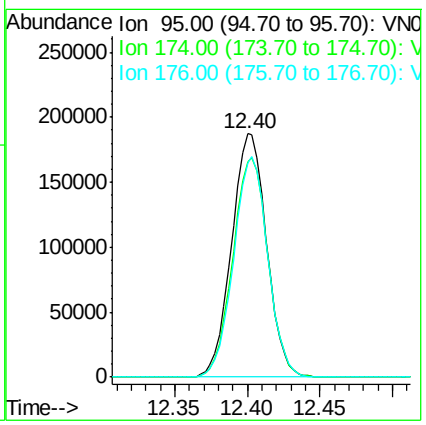


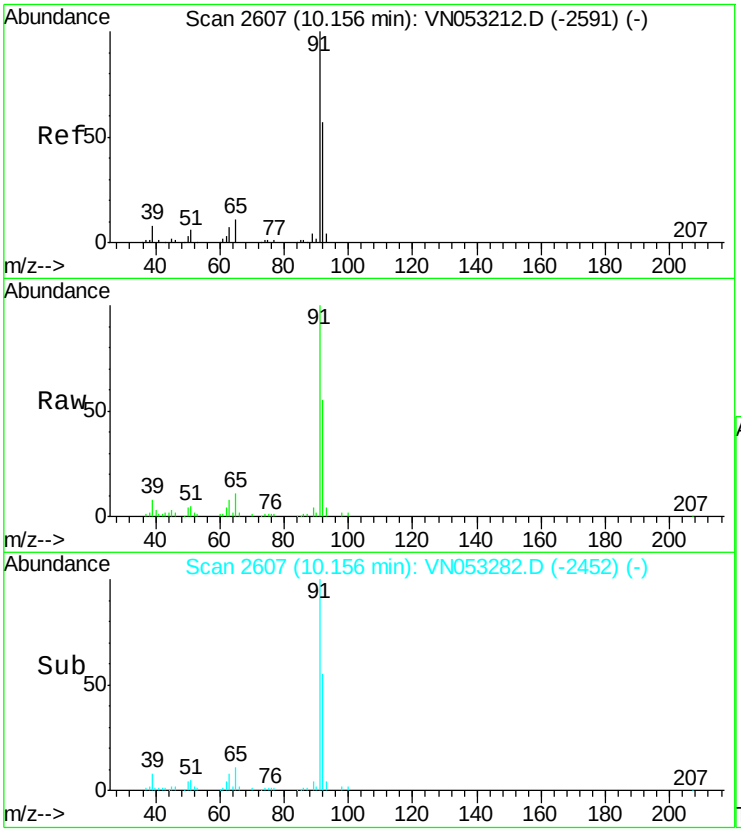


#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion: 95 Resp: 312820

Ion	Ratio	Lower	Upper
95	100		
174	90.6	67.9	101.9
176	88.6	66.4	99.6



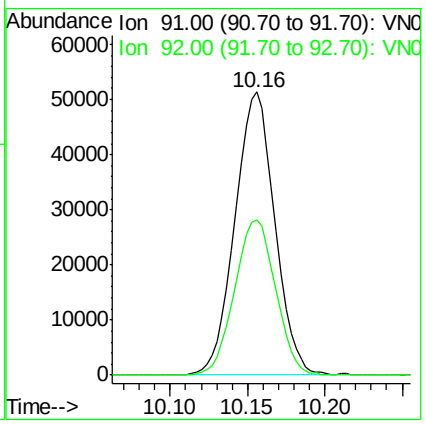


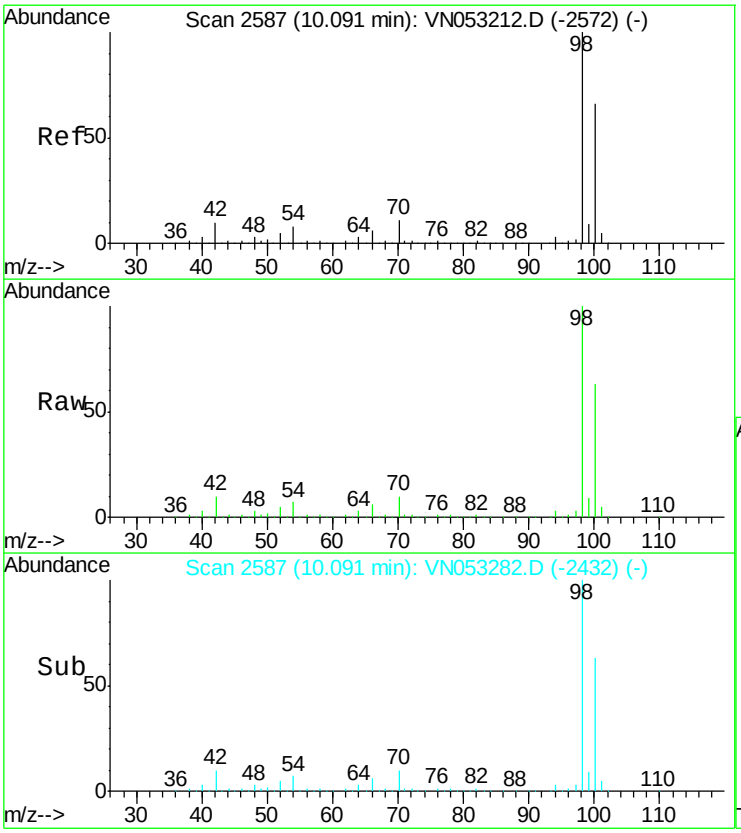
#62
Toluene
Concen: 2.434 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion: 91 Resp: 92144

Ion	Ratio	Lower	Upper
91	100		
92	56.2	45.4	68.2

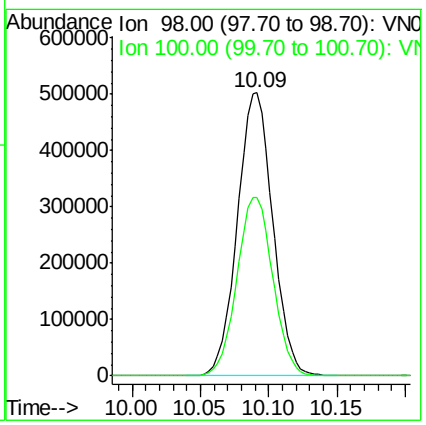


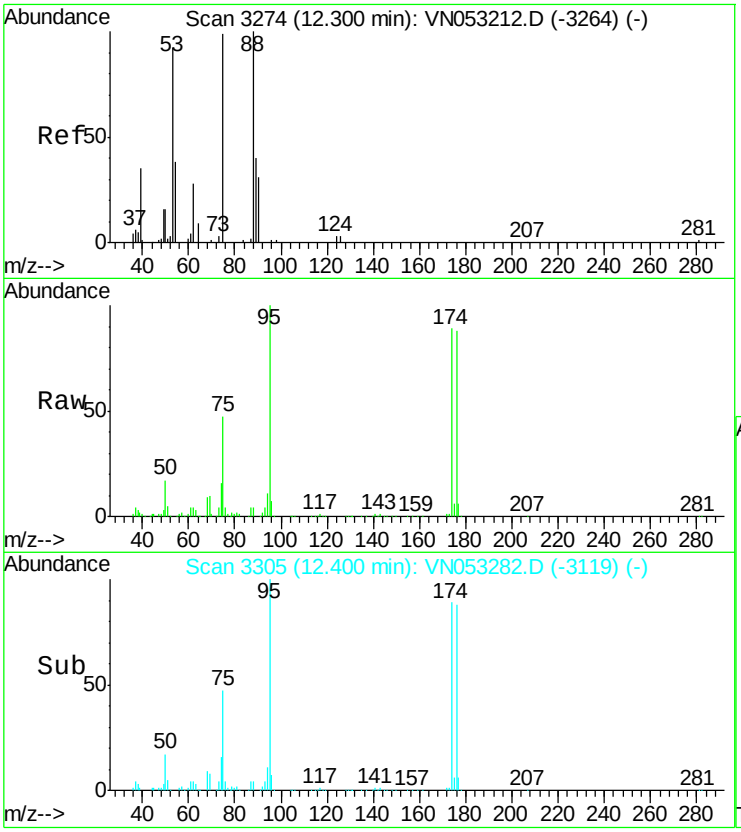


#63
Toluene-d8
Concen: 2.434 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

Tgt Ion: 98 Resp: 906433

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#77
t-1,4-Dichloro-2-butene
Concen: 56.136 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN053282.D
Acq: 4 Jan 2019 15:17

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

Tgt Ion: 75 Resp: 143965

Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.5	145.6#
89	0.0	21.7	65.1#