Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121418\
Data File : VN052885.D
Acq On : 14 Dec 2018 13:30
Operator : MD\SY
Sample : J6401-02DL 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Dec 15 02:53:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167745	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	987537	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	835413	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	331556	29.01	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 96.70%			
60) 4-Bromofluorobenzene	12.40	95	372021	29.13	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 97.10%			
63) Toluene-d8	10.09	98	1128612	29.14	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 97.13%			
Target Compounds						Qvalue
3) Chloromethane	2.06	50	2542	0.201	ug/l #	73
5) Bromomethane	2.58	94	4244	0.582	ug/l #	79
13) Acrolein	3.61	56	465	0.495	ug/l	94
15) Acetone	3.81	58	120172	136.257	ug/l	99
16) Carbon Disulfide	4.06	76	6841	0.230	ug/l	96
23) tert-Butyl Alcohol	4.77	59	354	0.699	ug/l #	100
25) Chloroform	7.37	83	13275	0.700	ug/l	98
41) Bromodichloromethane	9.40	83	4551	0.314	ug/l #	91
45) 1,4-Dioxane	9.19	88	117	1.421	ug/l #	77
51) Ethyl methacrylate	10.09	69	3481	0.298	ug/l	91
77) t-1,4-Dichloro-2-butene	12.40	75	172604	61.272	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	4197	0.441	ug/l	99
90) Hexachlorobutadiene	15.01	225	2223	0.356	ug/l	91
91) Naphthalene	15.13	128	11634	0.605	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	4434	0.505	ug/l	97

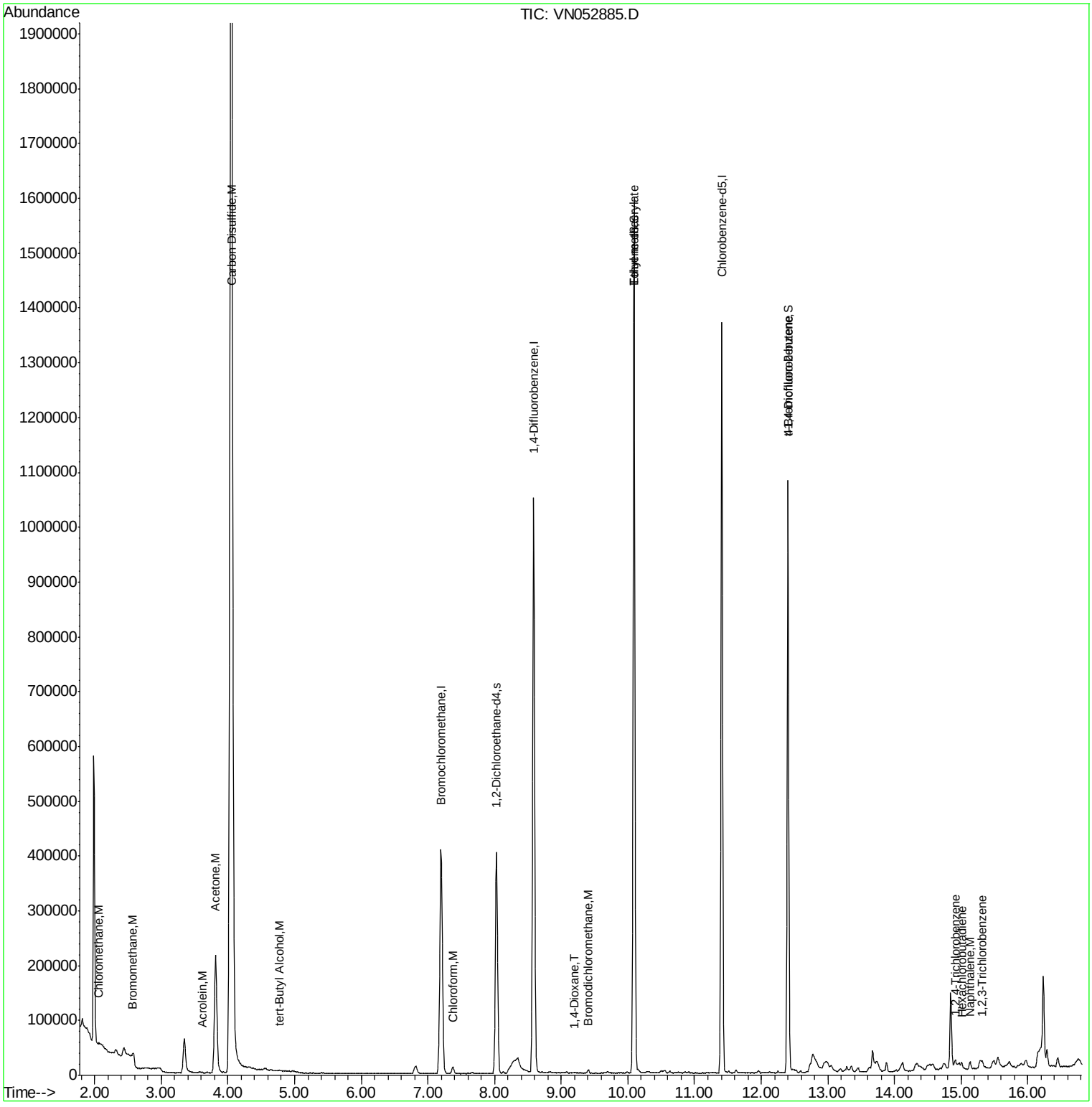
(#) = qualifier out of range (m) = manual integration (+) = signals summed

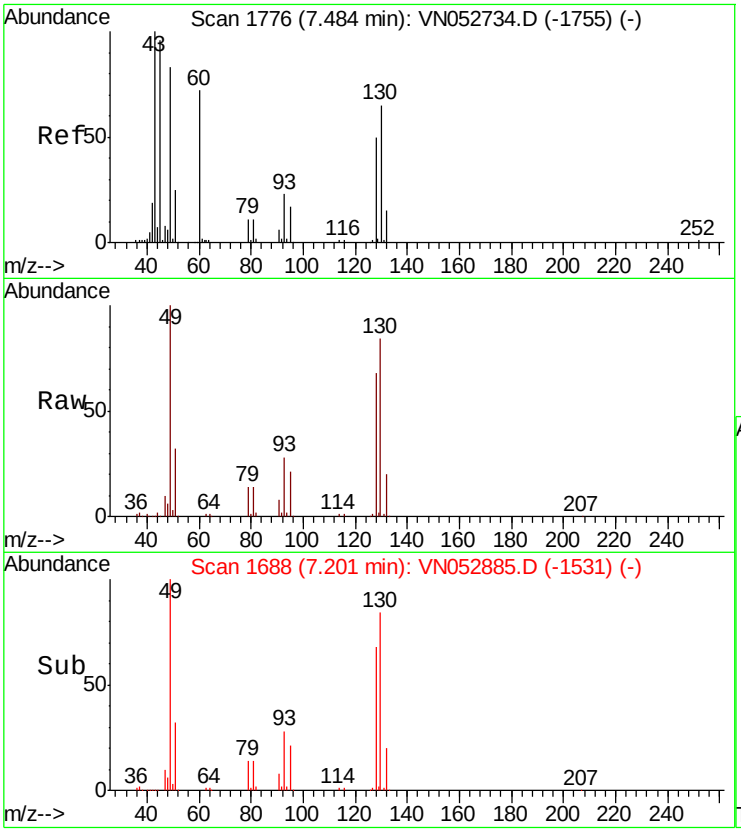
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121418\
Data File : VN052885.D
Acq On : 14 Dec 2018 13:30
Operator : MD\SY
Sample : J6401-02DL 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 15 02:53:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration



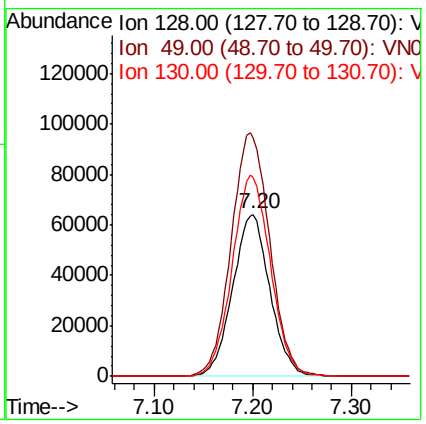


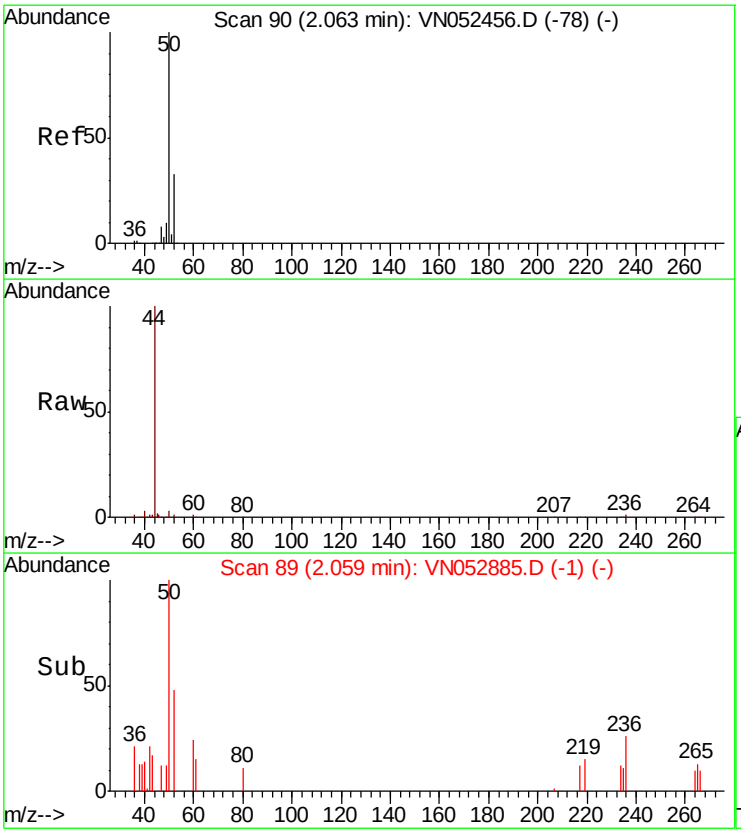
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 167745

Ion	Ratio	Lower	Upper
128	100		
49	155.8	0.0	431.8
130	128.1	0.0	317.0

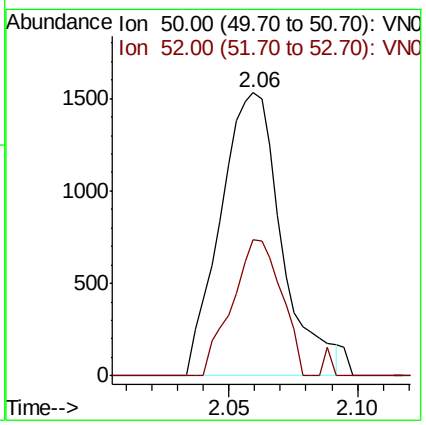


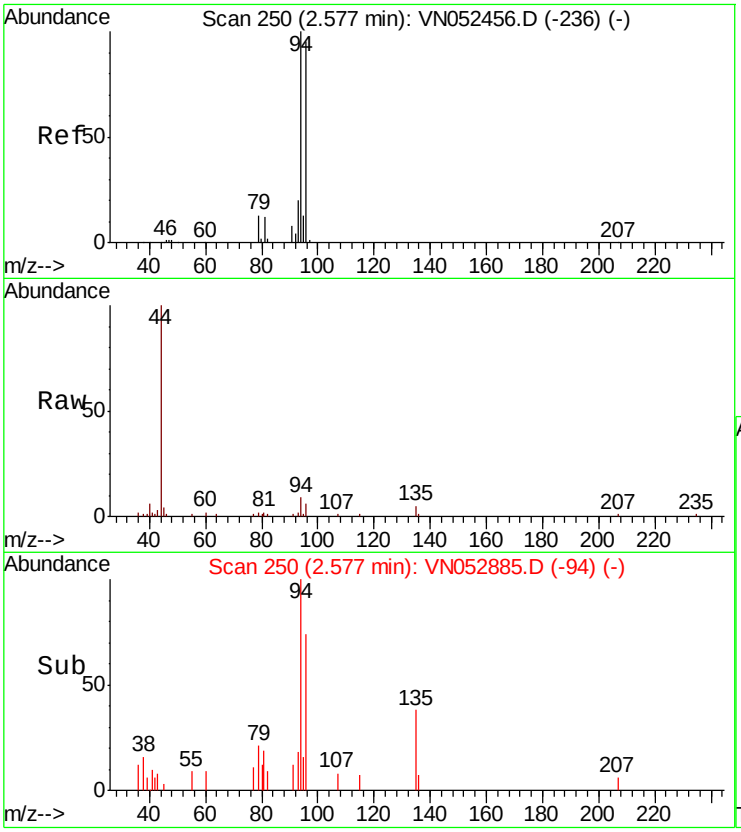


#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion: 50 Resp: 2542

Ion	Ratio	Lower	Upper
50	100		
52	48.2	26.5	39.7#



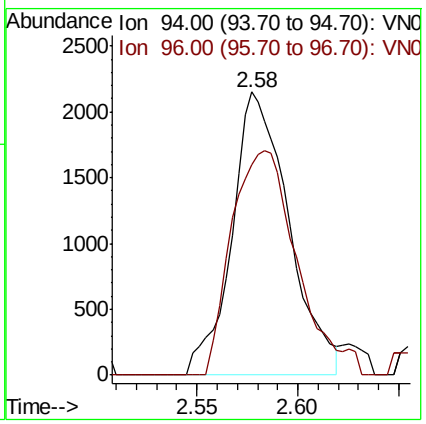


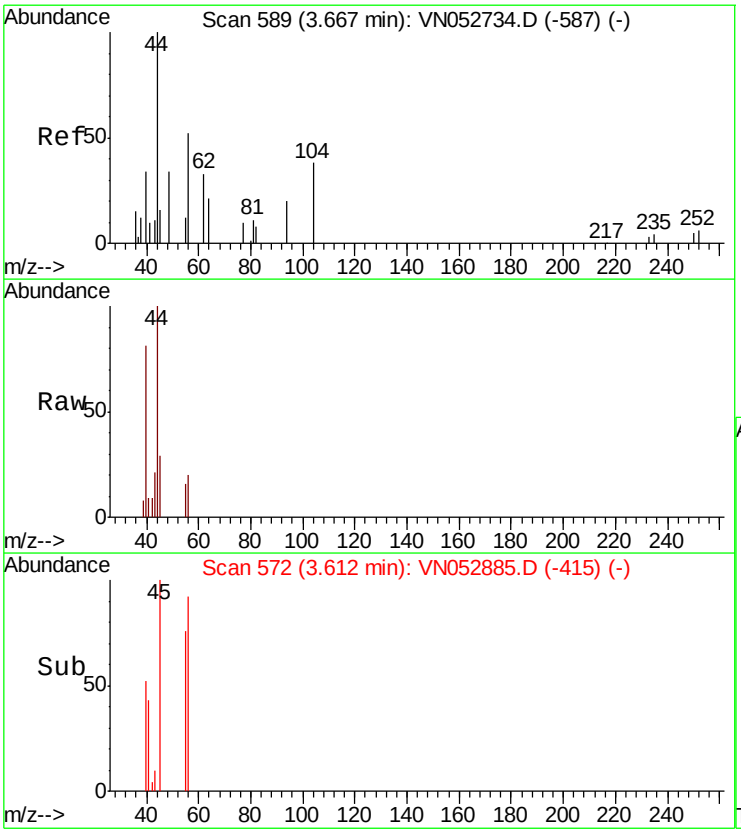
#5
Bromomethane
Concen: 0.582 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 4244

Ion	Ratio	Lower	Upper
94	100		
96	74.3	76.2	114.2#

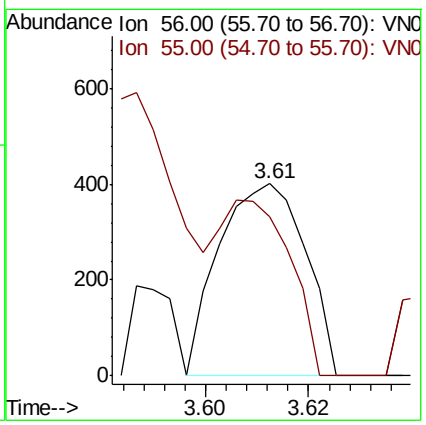


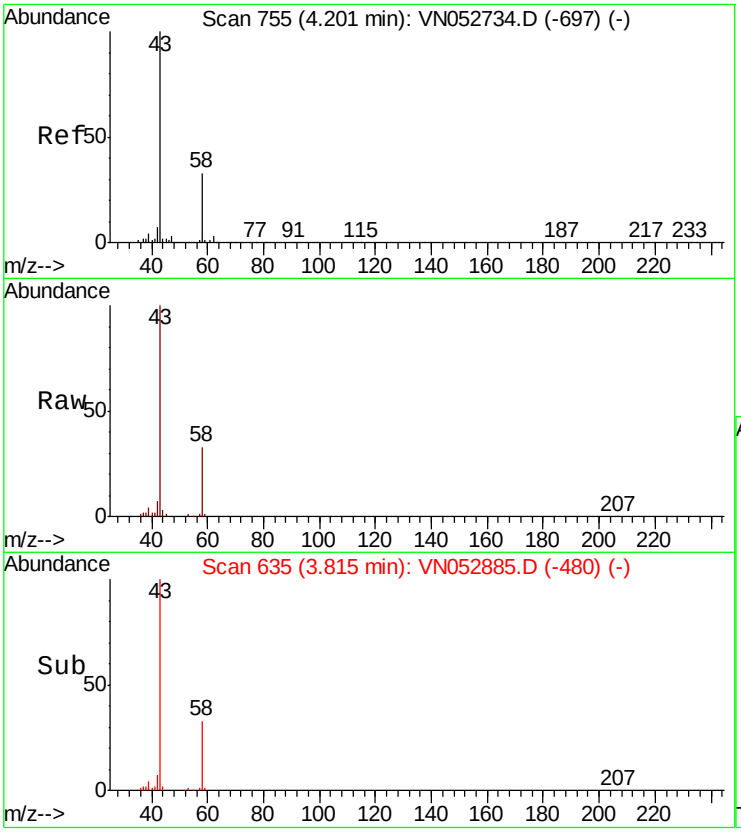


#13
Acrolein
Concen: 0.495 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion: 56 Resp: 465

Ion	Ratio	Lower	Upper
56	100		
55	75.5	56.7	85.1



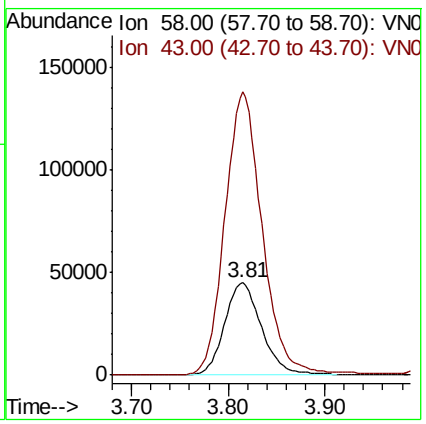


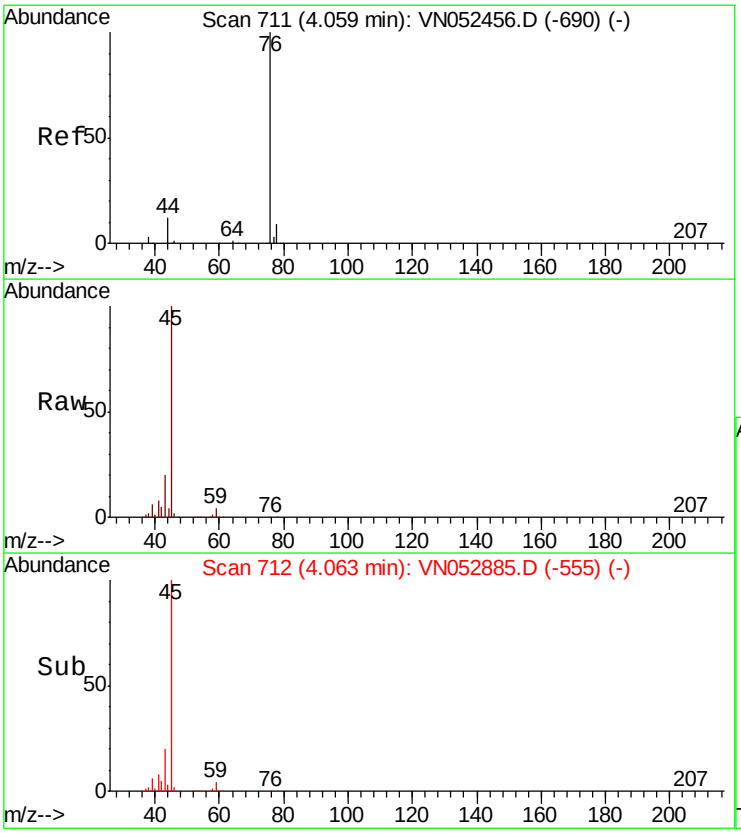
#15
Acetone
Concen: 136.257 ug/l
RT: 3.81 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 58 Resp: 120172

Ion	Ratio	Lower	Upper
58	100		
43	306.5	243.6	365.4

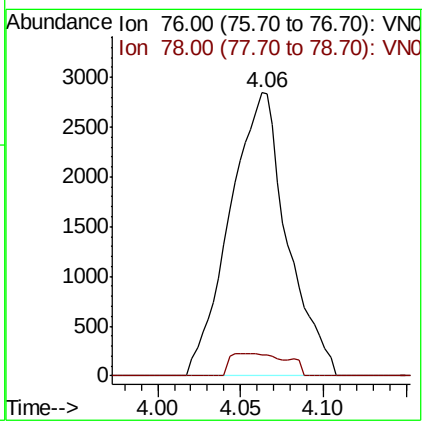


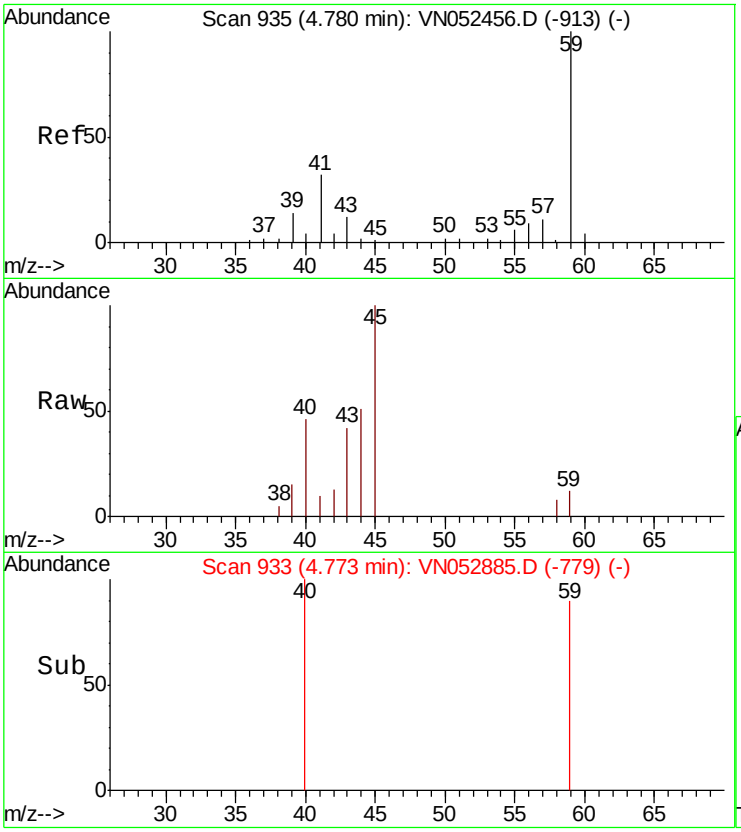


#16
Carbon Disulfide
Concen: 0.230 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion: 76 Resp: 6841

Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.3	10.9



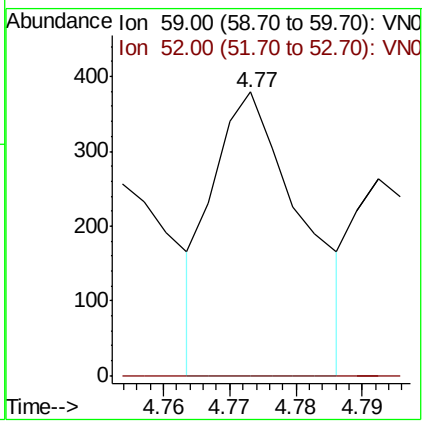


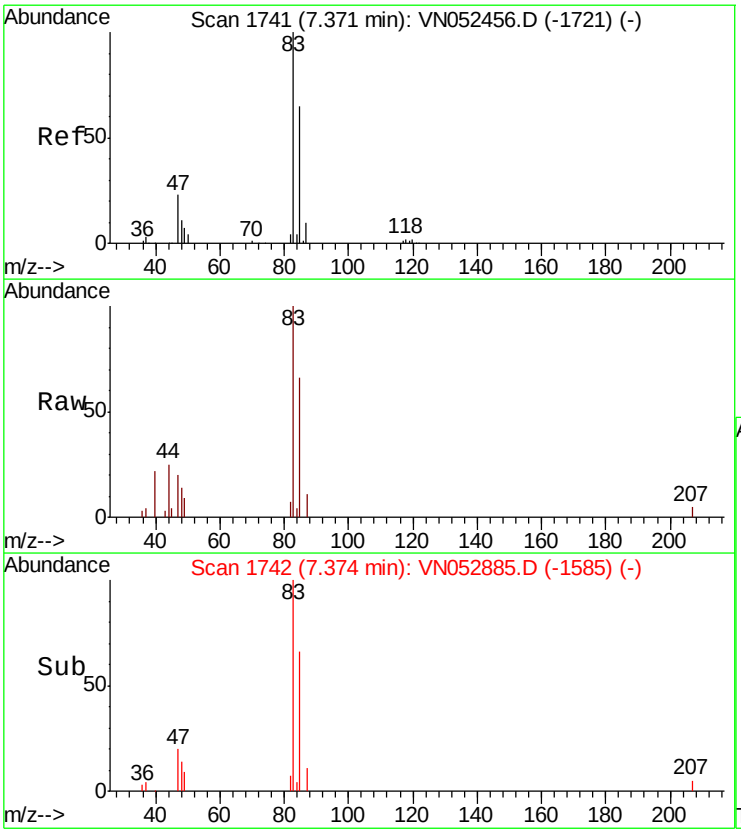
#23
tert-Butyl Alcohol
Concen: 0.699 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 354

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

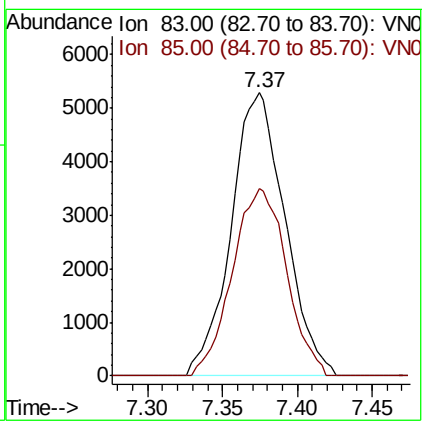


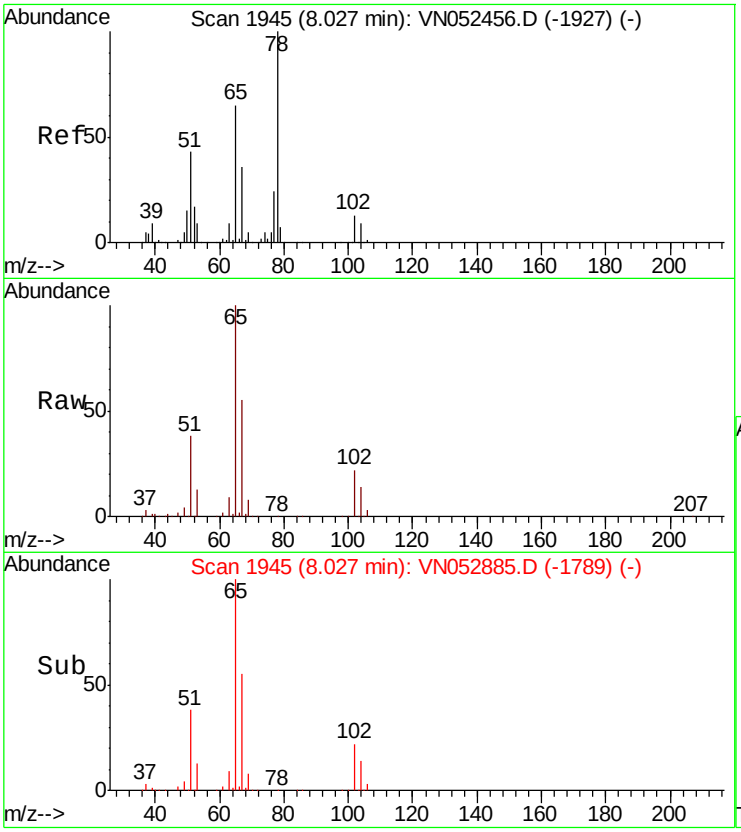


#25
Chloroform
Concen: 0.700 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion: 83 Resp: 13275

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.7	77.5



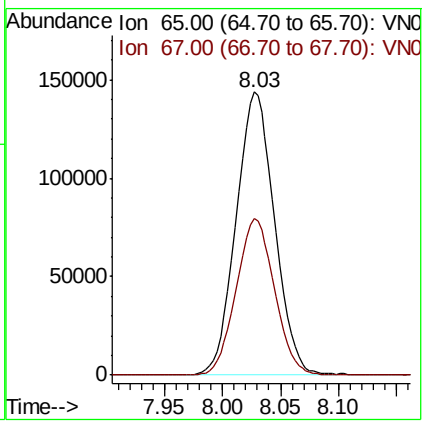


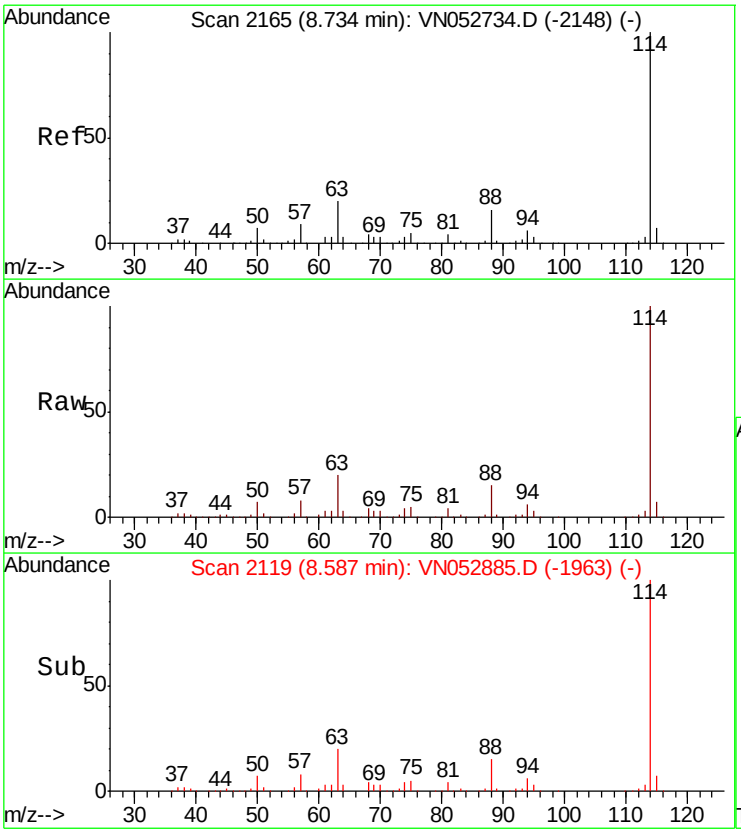
#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 331556

Ion	Ratio	Lower	Upper
65	100		
67	55.3	44.6	66.8

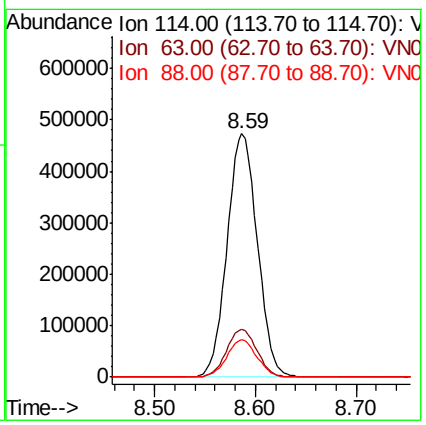


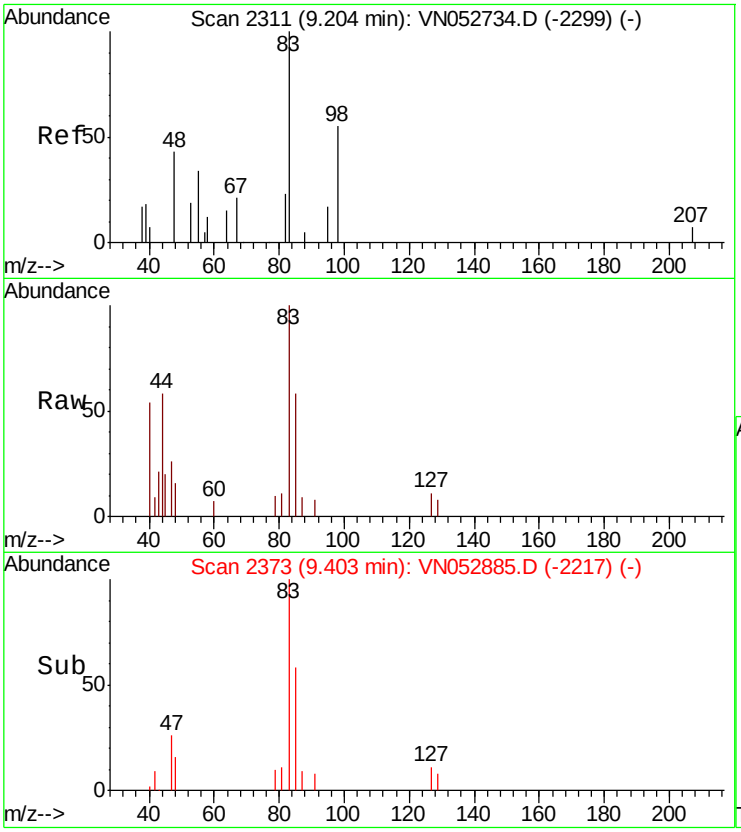


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion:114 Resp: 987537

Ion	Ratio	Lower	Upper
114	100		
63	19.6	16.9	25.3
88	15.3	12.8	19.2



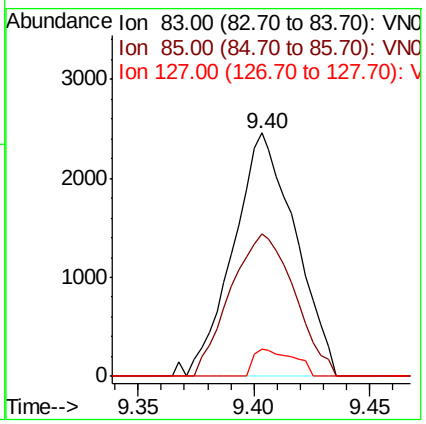


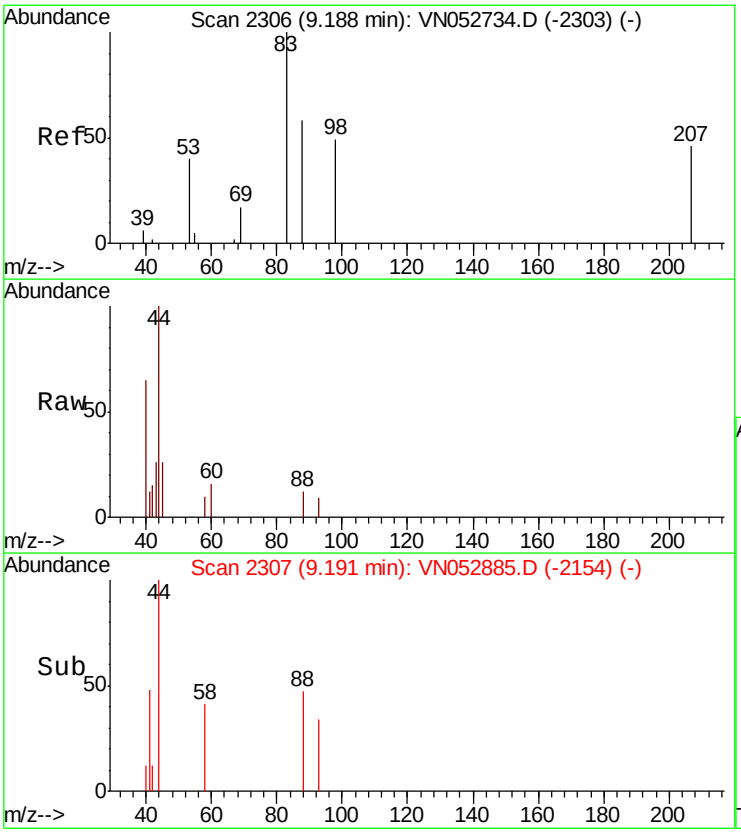
#41
Bromodichloromethane
Concen: 0.314 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 83 Resp: 4551

Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.4	78.6
127	11.2	6.6	9.8#

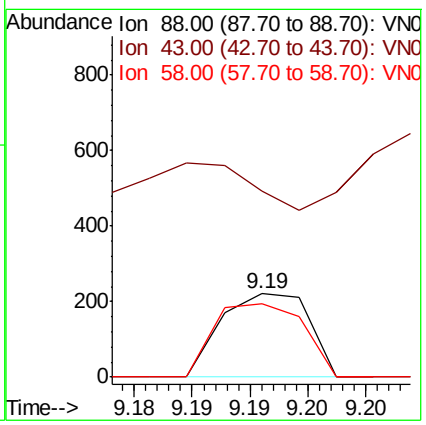


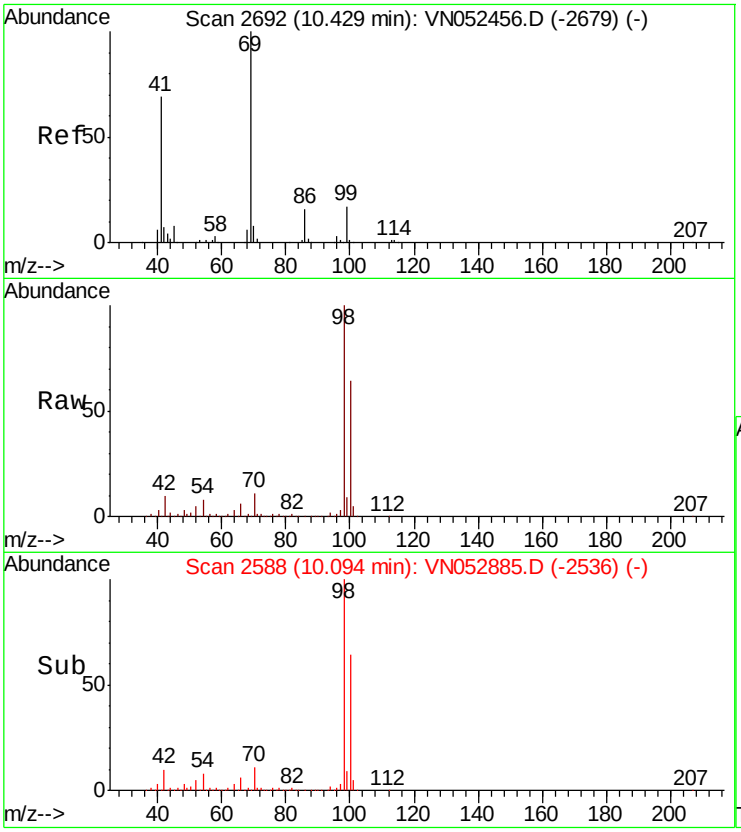


#45
1,4-Dioxane
Concen: 1.421 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion: 88 Resp: 117

Ion	Ratio	Lower	Upper
88	100		
43	62.4	29.5	44.3#
58	88.9	61.5	92.3



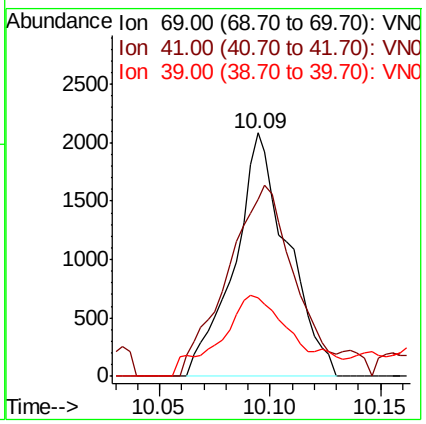


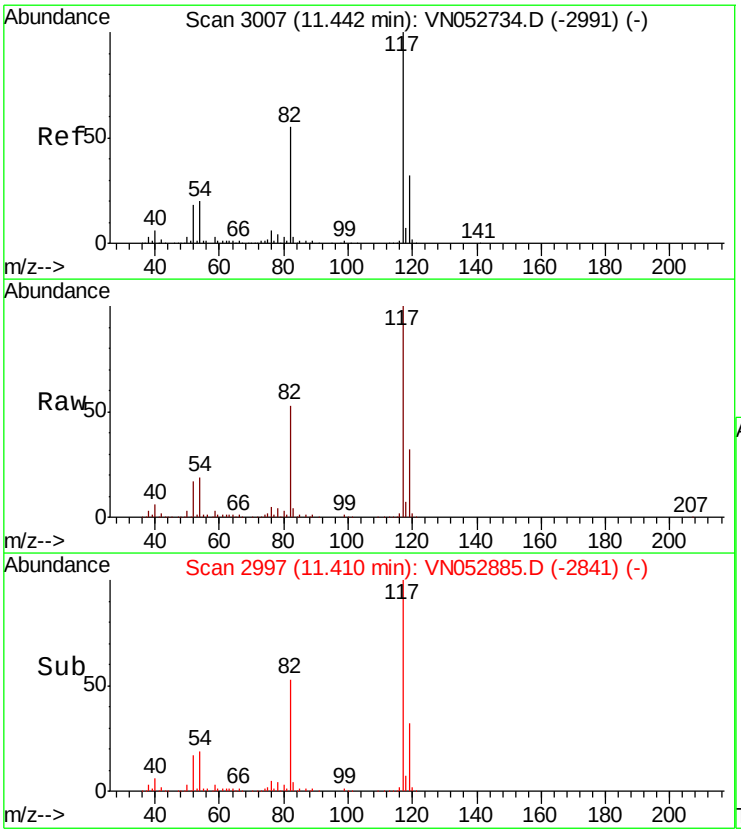
#51
Ethyl methacrylate
Concen: 0.298 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 69 Resp: 3481

Ion	Ratio	Lower	Upper
69	100		
41	64.2	34.4	103.3
39	24.2	16.4	49.2

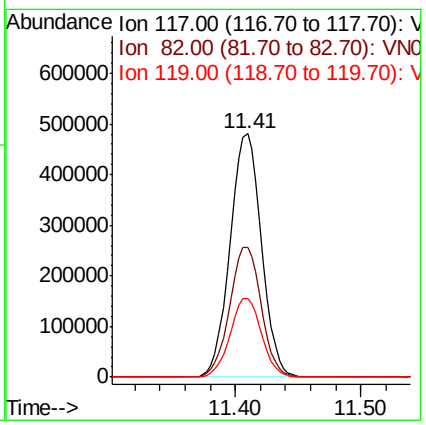


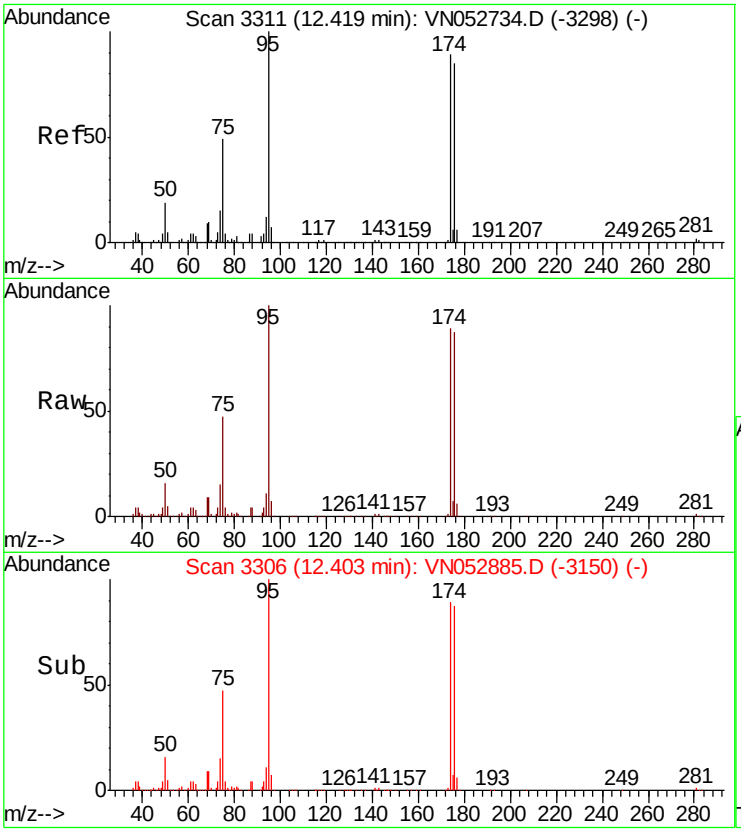


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion:117 Resp: 835413

Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	32.4	25.4	38.2



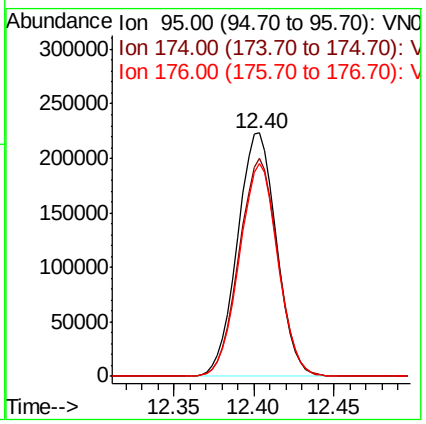


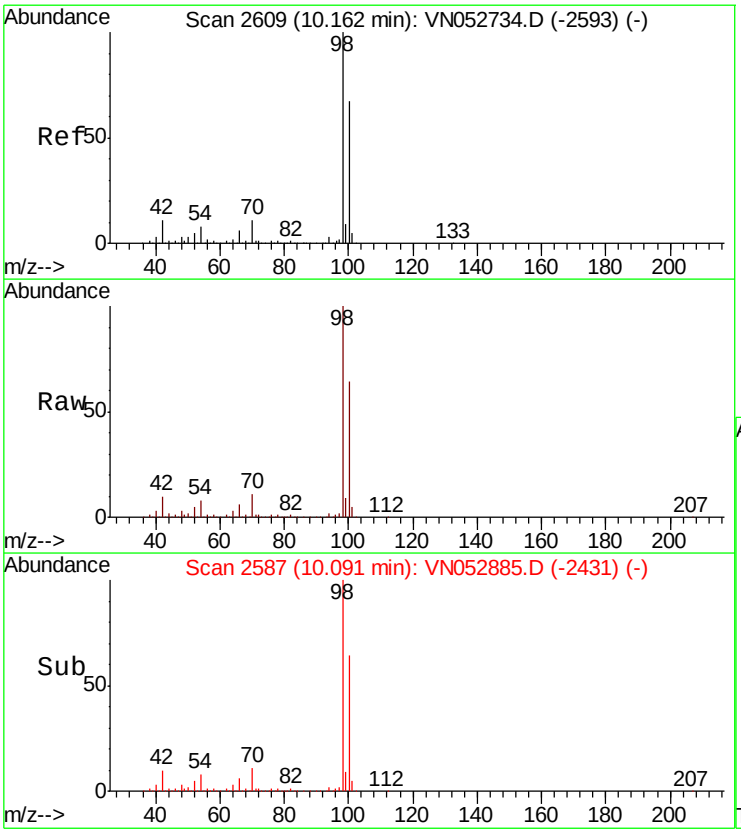
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 372021

Ion	Ratio	Lower	Upper
95	100		
174	89.0	67.9	101.9
176	86.5	66.4	99.6

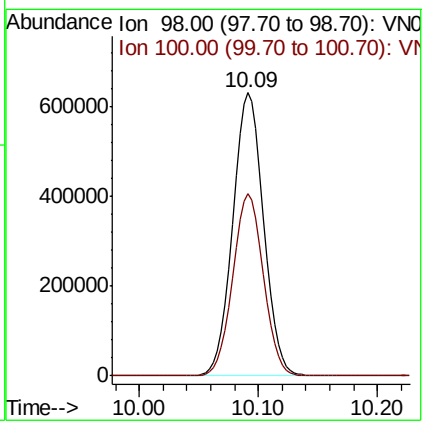


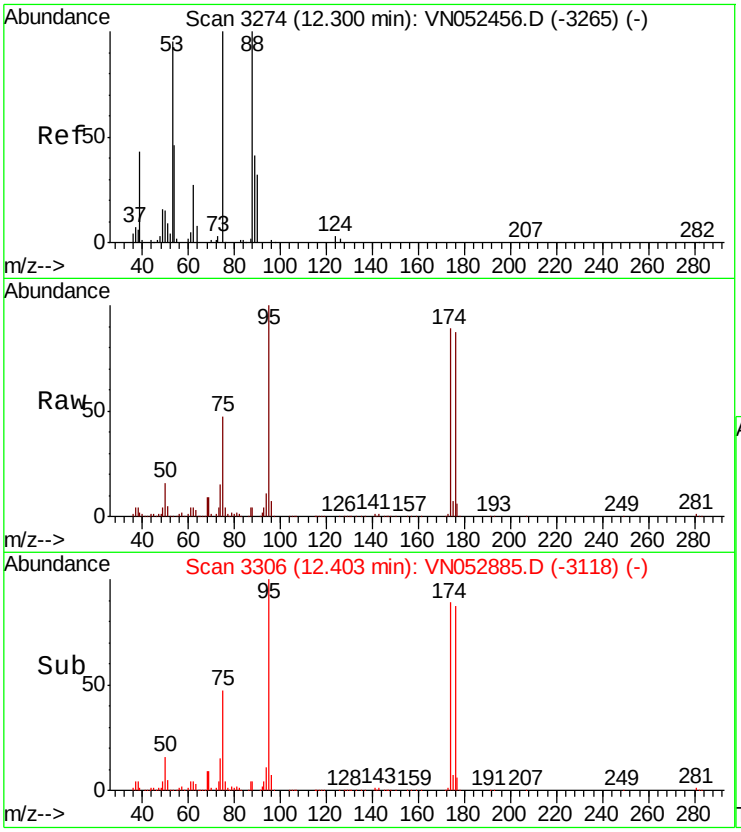


#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion: 98 Resp: 1128612

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7



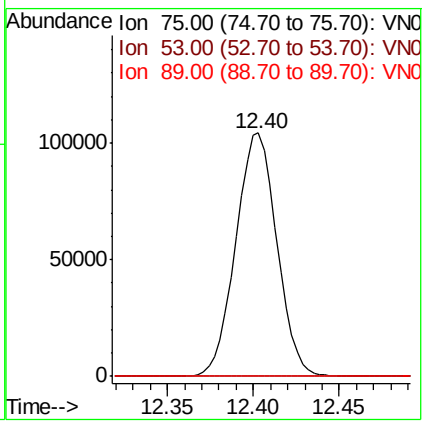


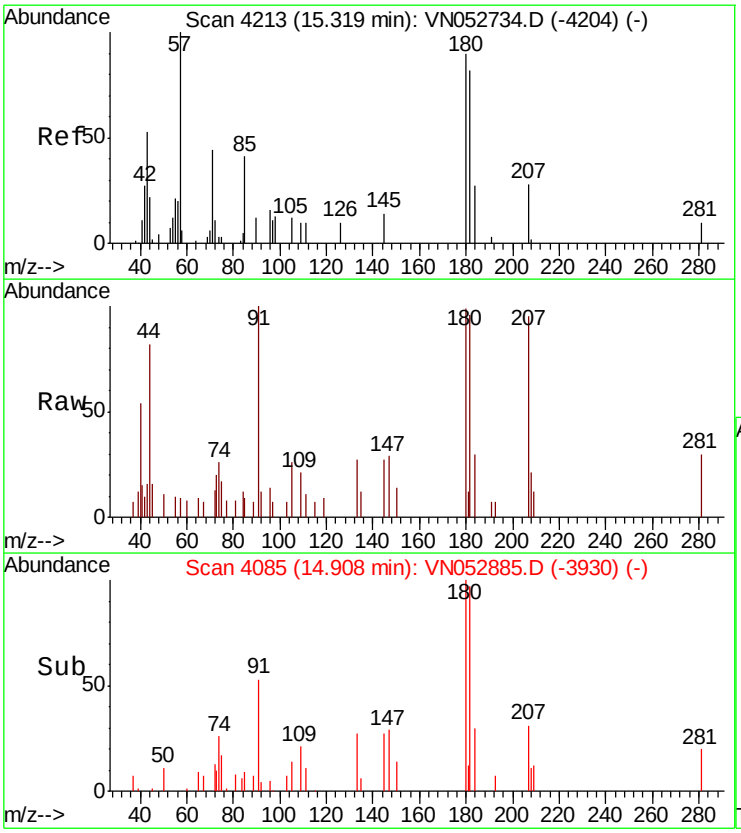
#77
t-1,4-Dichloro-2-butene
Concen: 61.272 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 172604

Ion	Ratio	Lower	Upper
75	100		
53	0.1	48.5	145.6#
89	0.0	21.7	65.1#

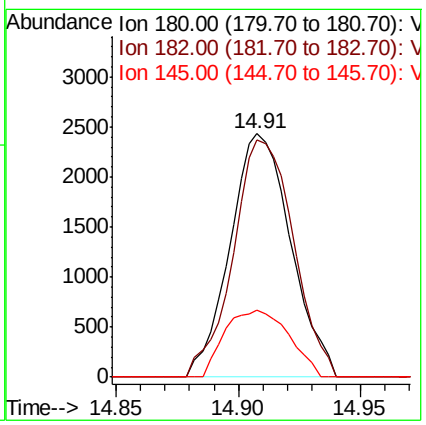


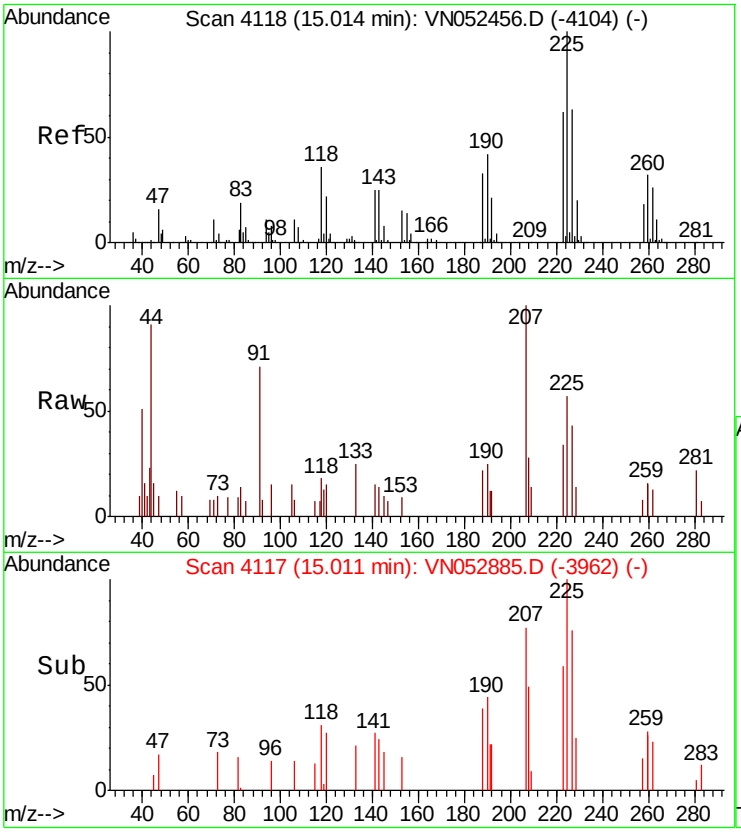


#89
1,2,4-Trichlorobenzene
Concen: 0.441 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion:180 Resp: 4197

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	114.8
145	29.1	23.6	35.4



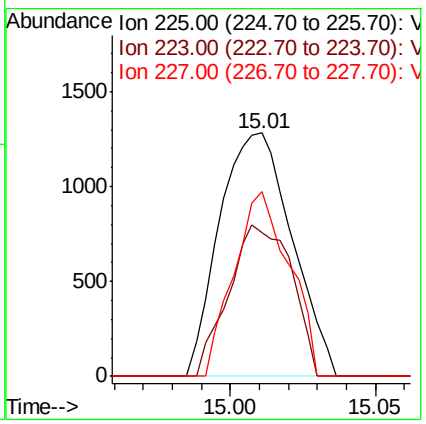


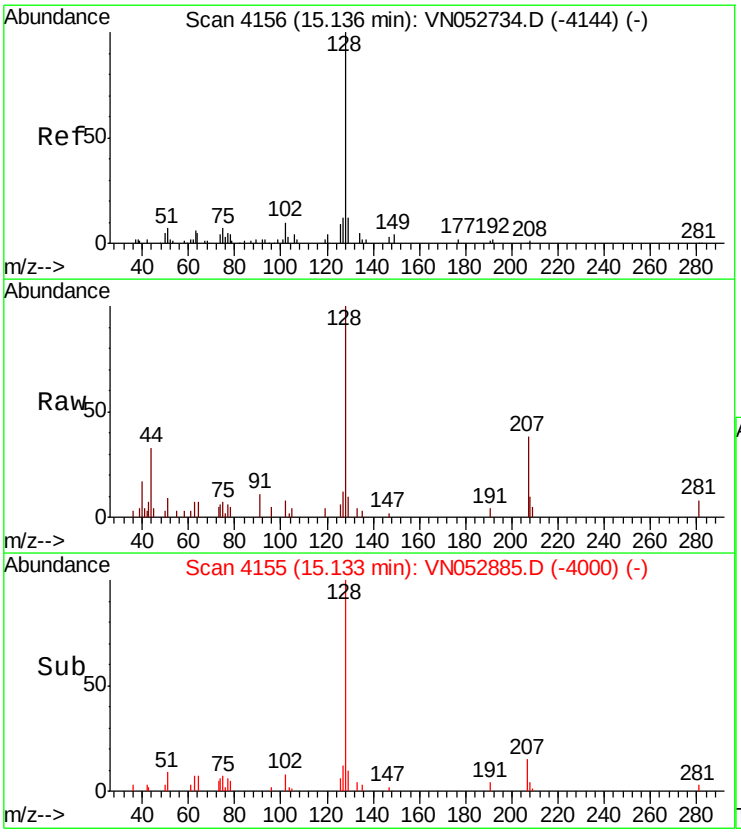
#90
Hexachlorobutadiene
Concen: 0.356 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:225 Resp: 2223

Ion	Ratio	Lower	Upper
225	100		
223	54.2	0.0	125.6
227	57.8	0.0	127.8

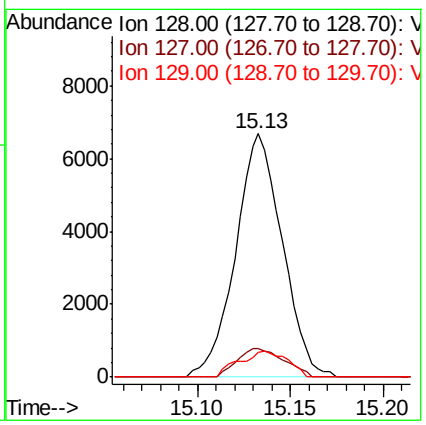


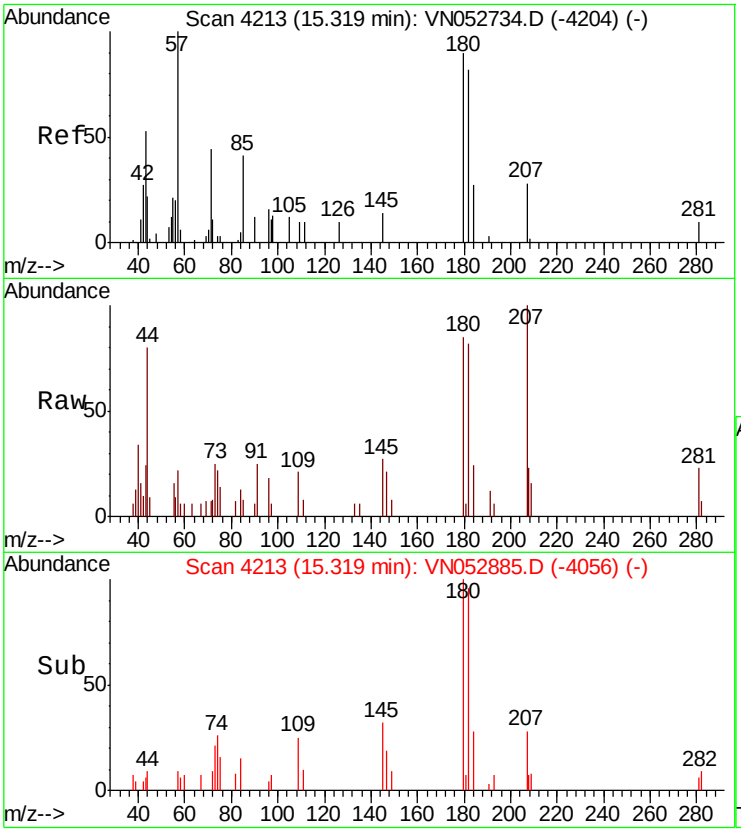


#91
Naphthalene
Concen: 0.605 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Tgt Ion:128 Resp: 11634

Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	8.6	8.5	12.7





#92
1,2,3-Trichlorobenzene
Concen: 0.505 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN052885.D
Acq: 14 Dec 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 4434

Ion	Ratio	Lower	Upper
180	100		
182	101.3	0.0	196.2
145	29.6	0.0	62.2