Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
Data File : VN052718.D
Acq On : 7 Dec 2018 11:25
Operator : MD\SY
Sample : VN1207WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : VN1207WBL01

Quant Time: Dec 07 11:49:02 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	7.19	128	148100	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	839210	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	700200	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	300312	29.76	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.20%			
60) 4-Bromofluorobenzene	12.40	95	270110	25.23	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 84.10%			
63) Toluene-d8	10.09	98	973349	29.98	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.93%			
Target Compounds						Qvalue
13) Acrolein	3.61	56	227	0.274	ug/l	99
16) Carbon Disulfide	4.06	76	5350	0.203	ug/l	96
50) 1,1,2-Trichloroethane	10.10	97	28541	3.607	ug/l #	1
51) Ethyl methacrylate	10.09	69	2869	0.289	ug/l	80
55) 2-Chloroethyl vinyl ether	9.70	63	2270	0.390	ug/l #	89
56) Bromoform	12.41	173	2159	0.379	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	128615	54.473	ug/l #	11
89) 1,2,4-Trichlorobenzene	15.32	180	3013	0.377	ug/l	92
91) Naphthalene	15.14	128	7721	0.479	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	3013	0.410	ug/l	94

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

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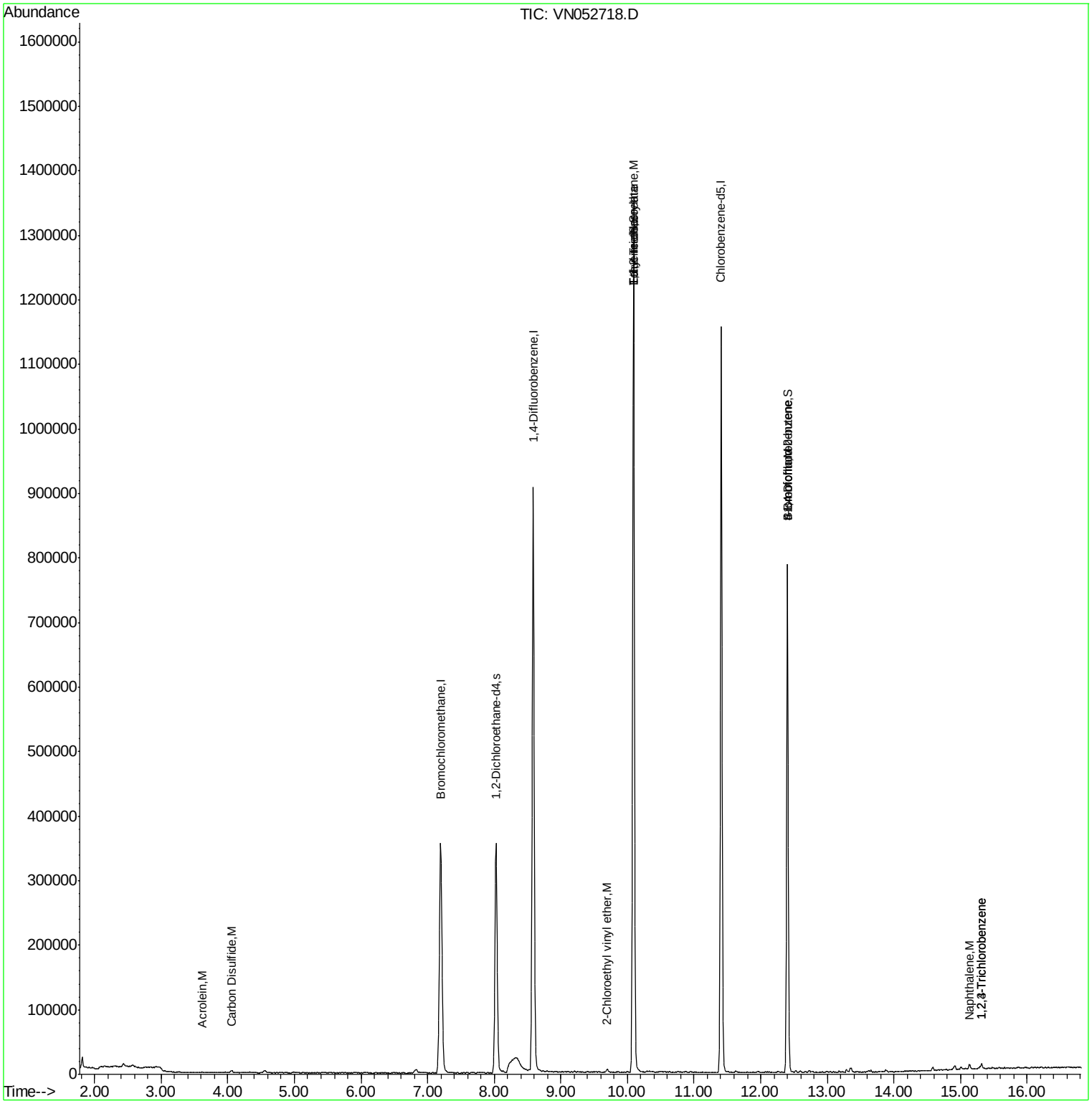
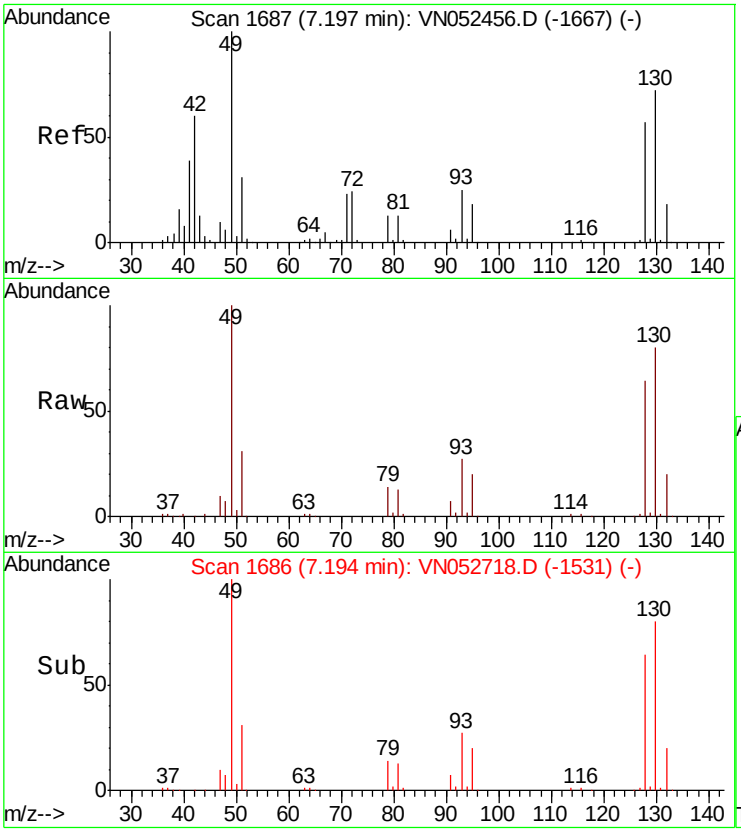


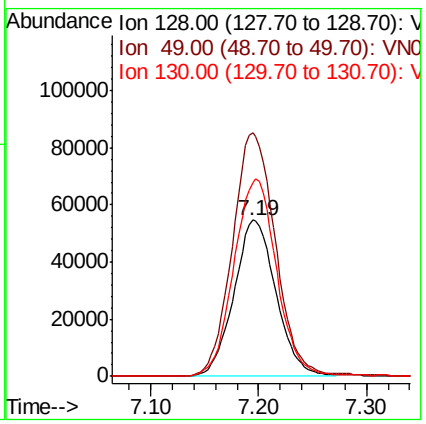


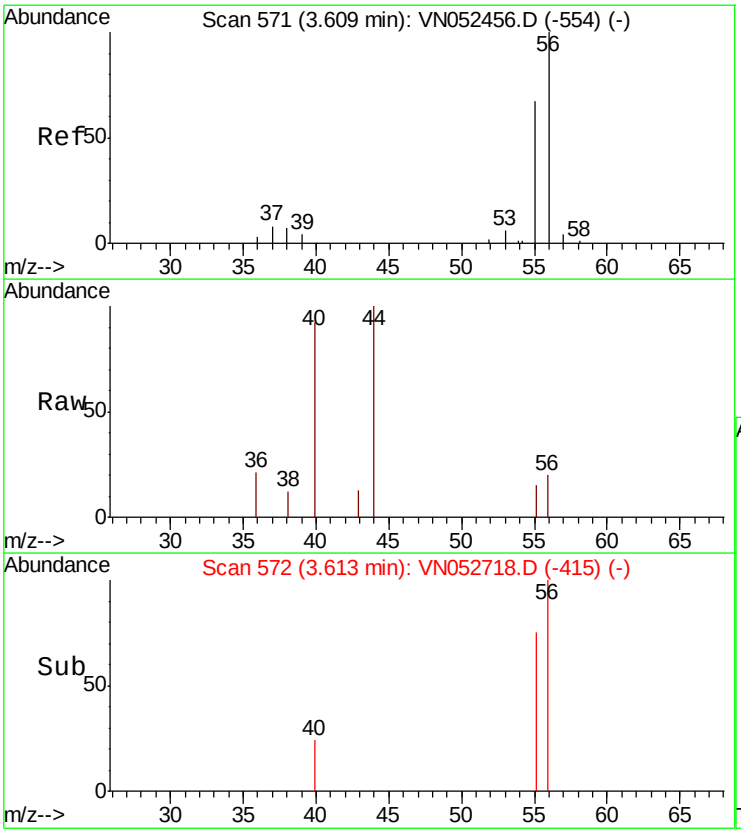
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

Tgt Ion:128 Resp: 148100

Ion	Ratio	Lower	Upper
128	100		
49	159.3	0.0	431.8
130	128.3	0.0	317.0

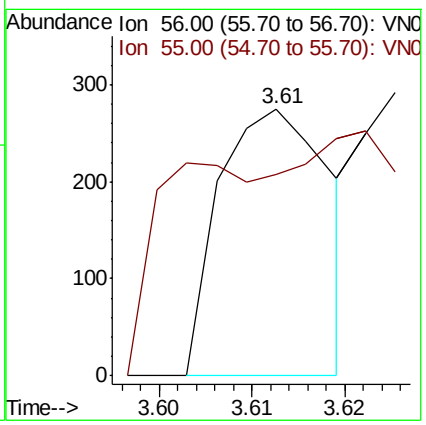


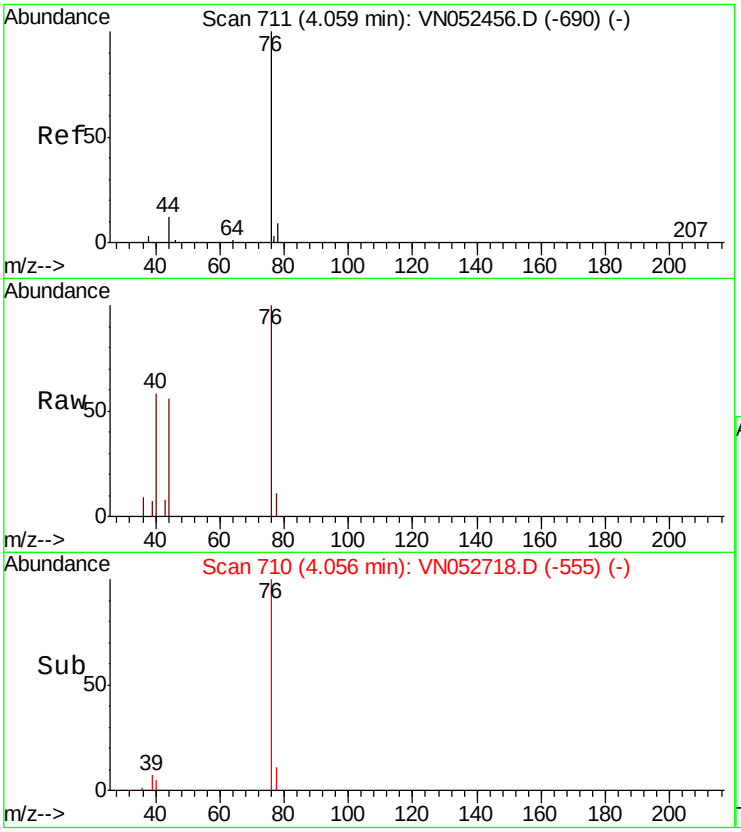


#13
Acrolein
Concen: 0.274 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion: 56 Resp: 227

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.7	85.1



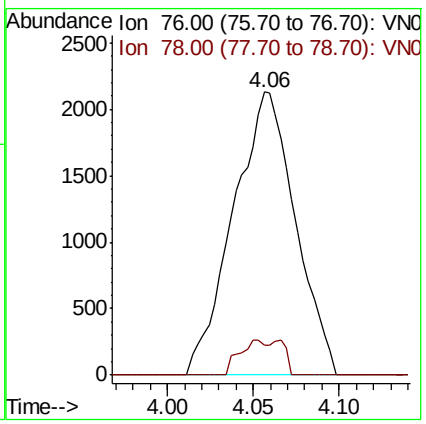


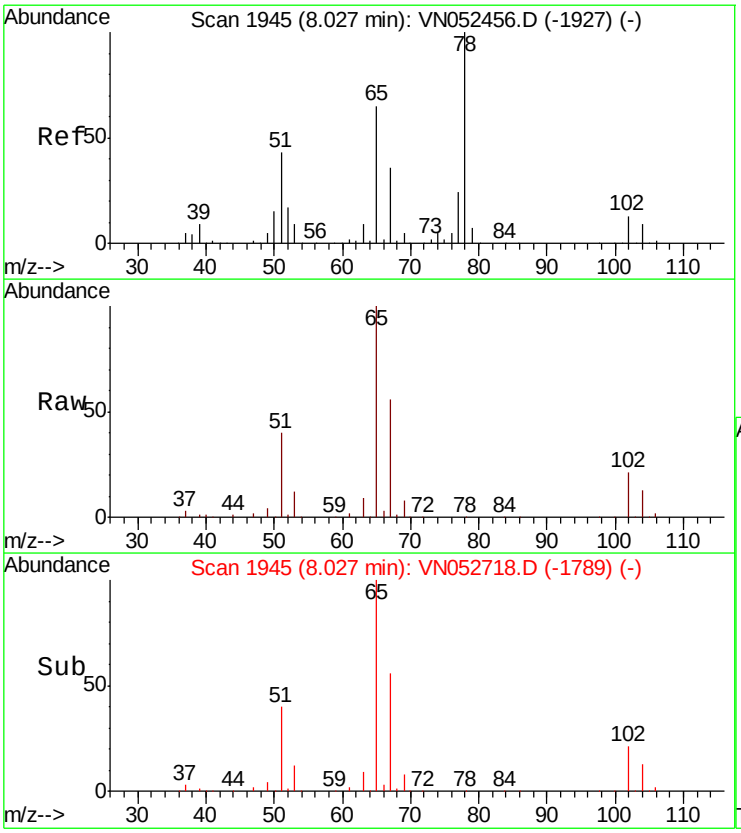
#16
Carbon Disulfide
Concen: 0.203 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument : MSVOA_N
ClientSampleId : VN1207WBL01

Tgt Ion: 76 Resp: 5350

Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.3	10.9

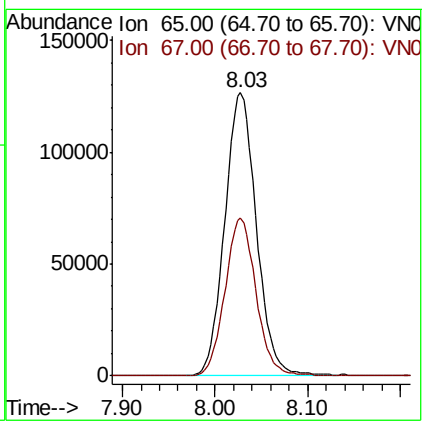


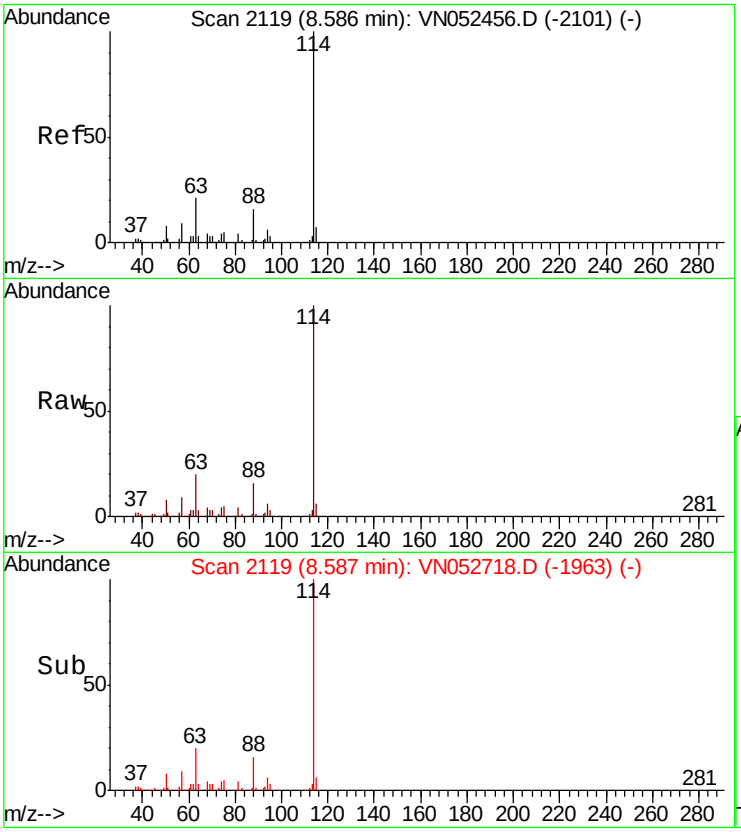


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion: 65 Resp: 300312

Ion	Ratio	Lower	Upper
65	100		
67	54.7	44.6	66.8



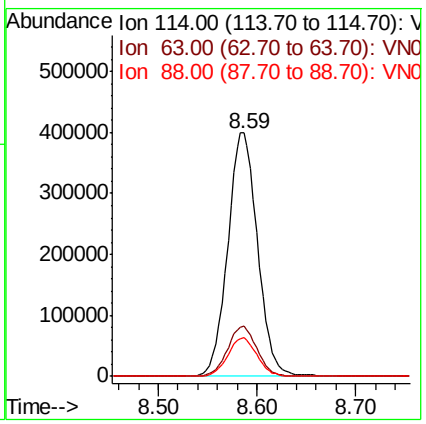


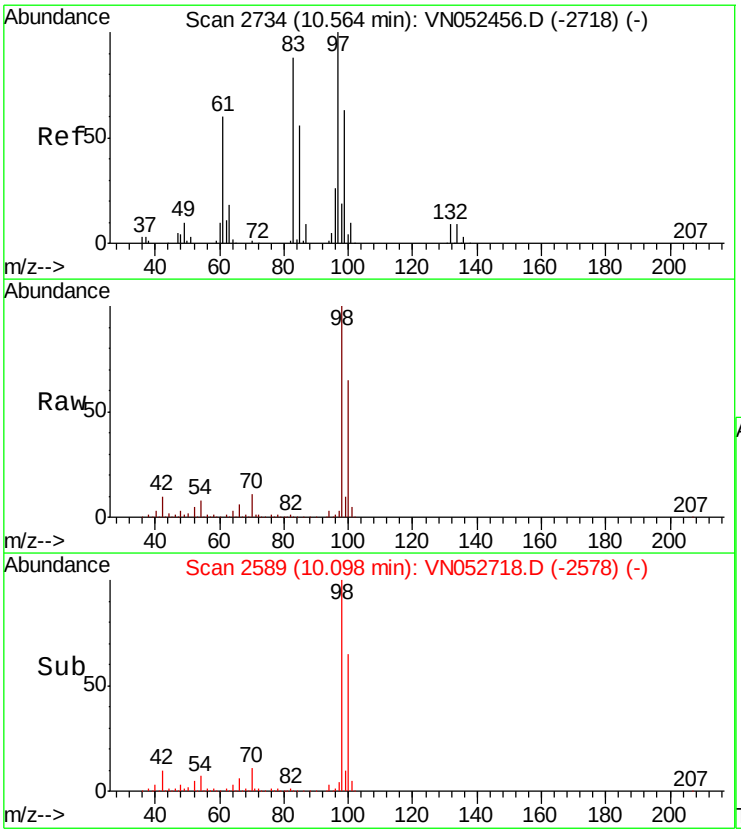
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument : MSVOA_N
ClientSampleId : VN1207WBL01

Tgt Ion:114 Resp: 839210

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.9	25.3
88	15.5	12.8	19.2

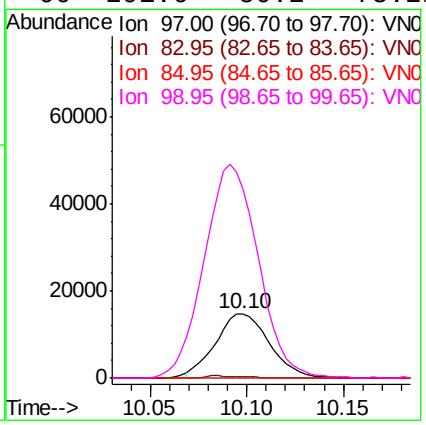


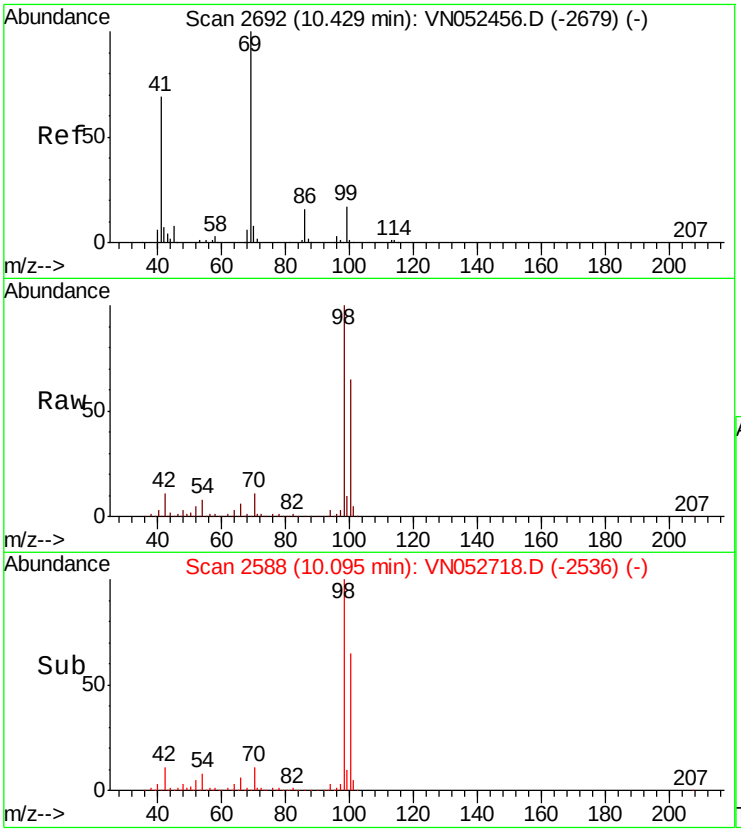


#50
1,1,2-Trichloroethane
Concen: 3.607 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.47 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion: 97 Resp: 28541

Ion	Ratio	Lower	Upper
97	100		
83	2.0	70.4	105.6#
85	0.0	45.0	67.6#
99	291.6	50.2	75.2#



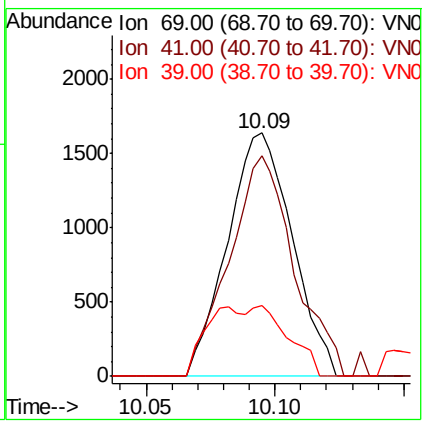


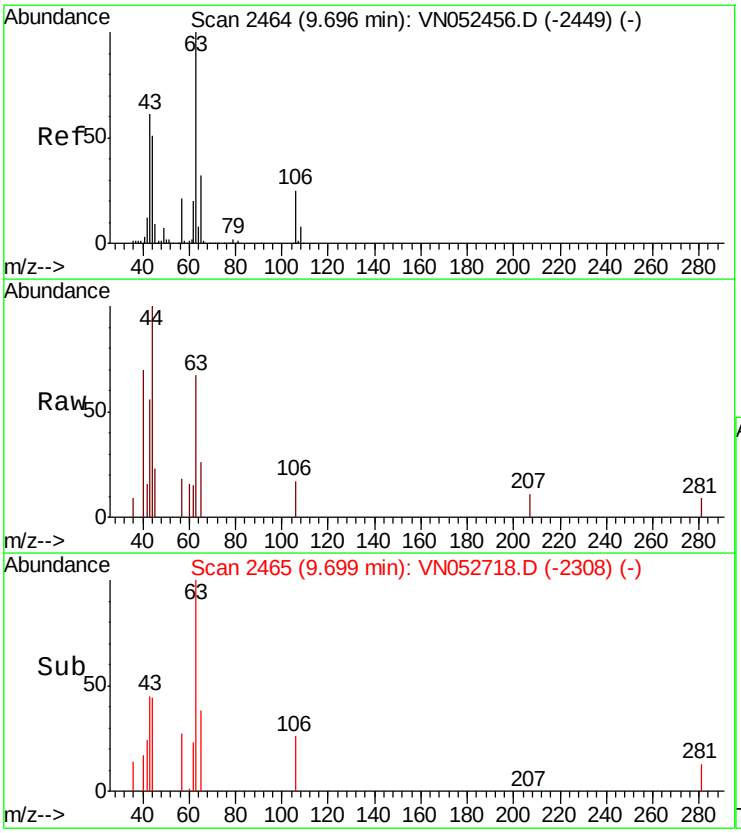
#51
Ethyl methacrylate
Concen: 0.289 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

Tgt Ion: 69 Resp: 2869

Ion	Ratio	Lower	Upper
69	100		
41	90.5	34.4	103.3
39	28.9	16.4	49.2

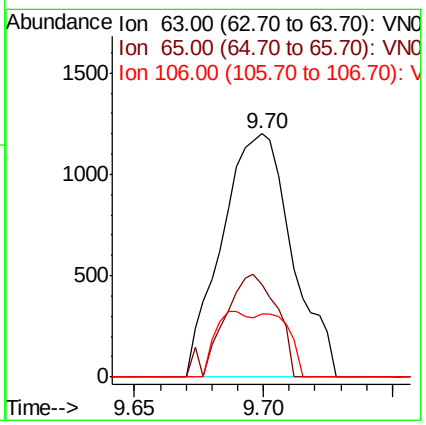


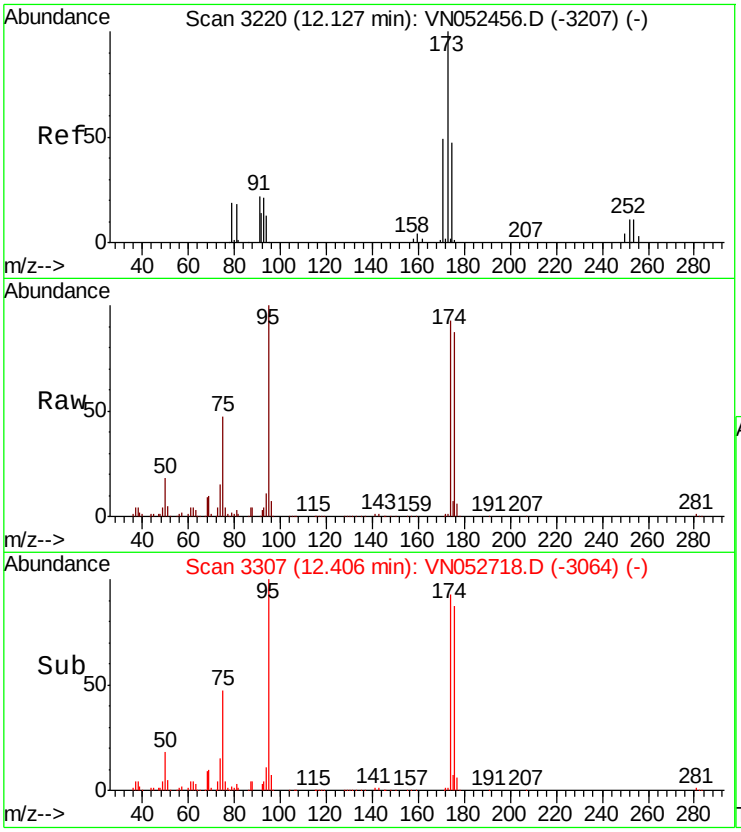


#55
2-Chloroethyl vinyl ether
Concen: 0.390 ug/l
RT: 9.70 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion: 63 Resp: 2270

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.4	38.2
106	14.4	20.4	30.6#



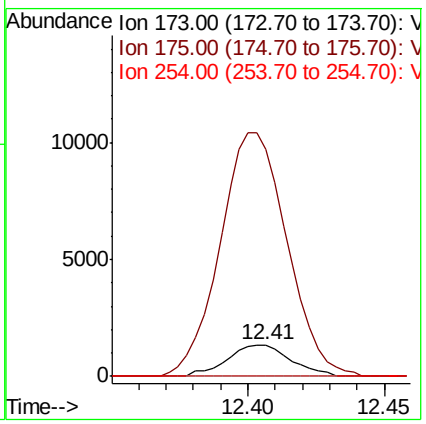


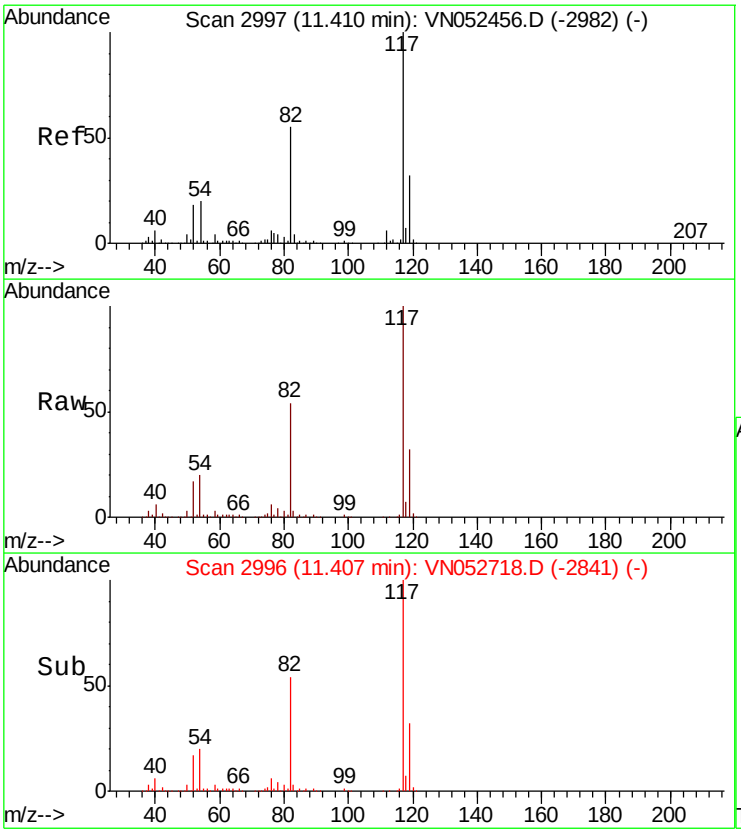
#56
Bromoform
Concen: 0.379 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument : MSVOA_N
ClientSampleId : VN1207WBL01

Tgt Ion:173 Resp: 2159

Ion	Ratio	Lower	Upper
173	100		
175	821.8	38.7	58.1#
254	0.0	8.4	12.6#

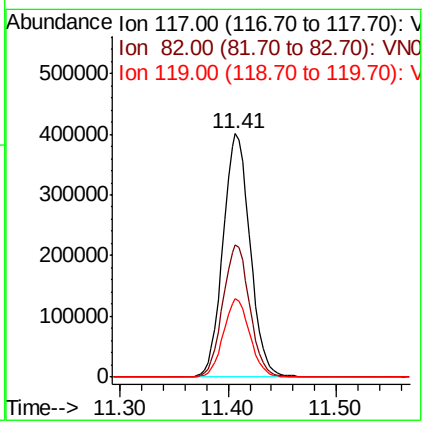


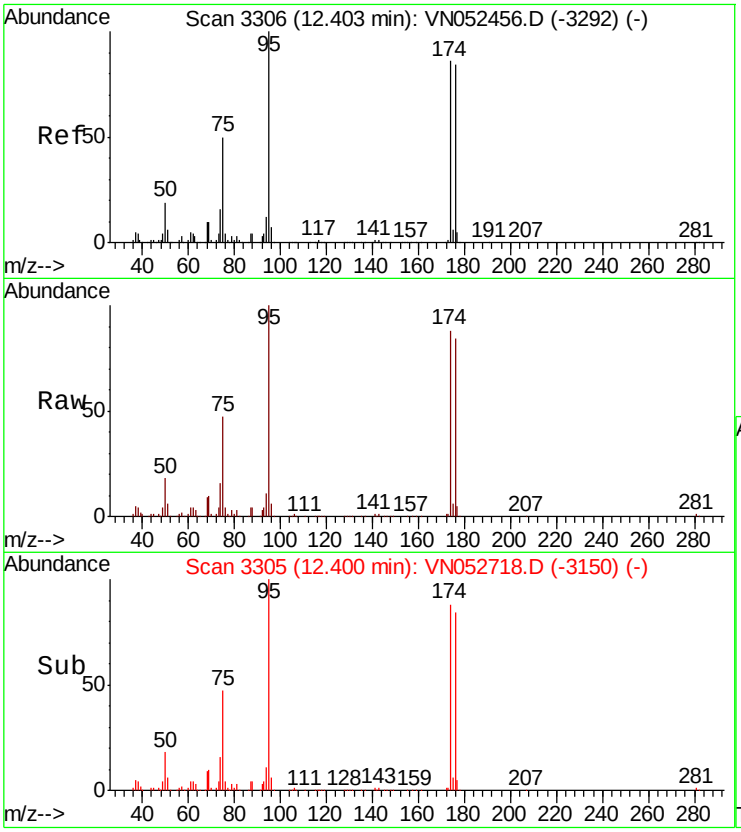


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion:117 Resp: 700200

Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	31.5	25.4	38.2



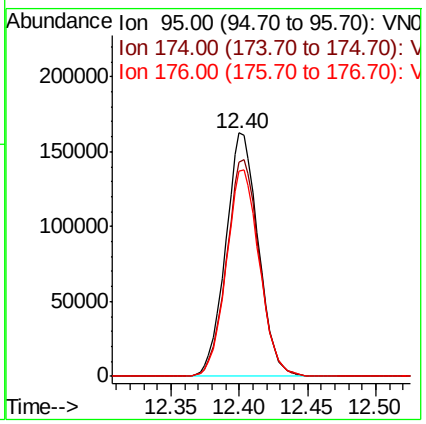


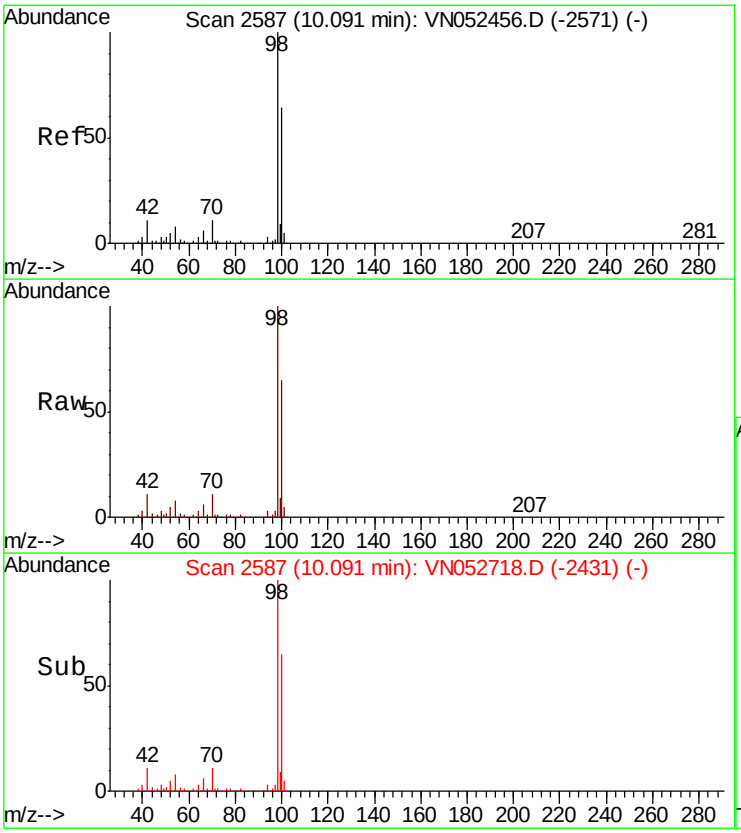
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

Tgt Ion: 95 Resp: 270110

Ion	Ratio	Lower	Upper
95	100		
174	89.5	67.9	101.9
176	85.9	66.4	99.6

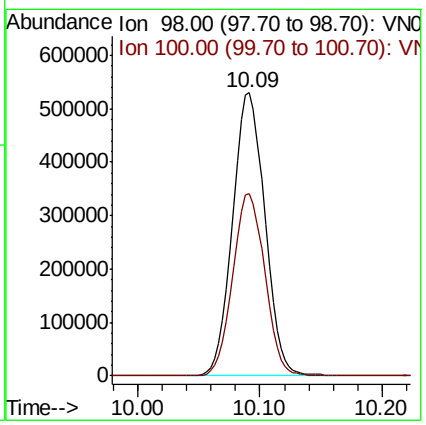


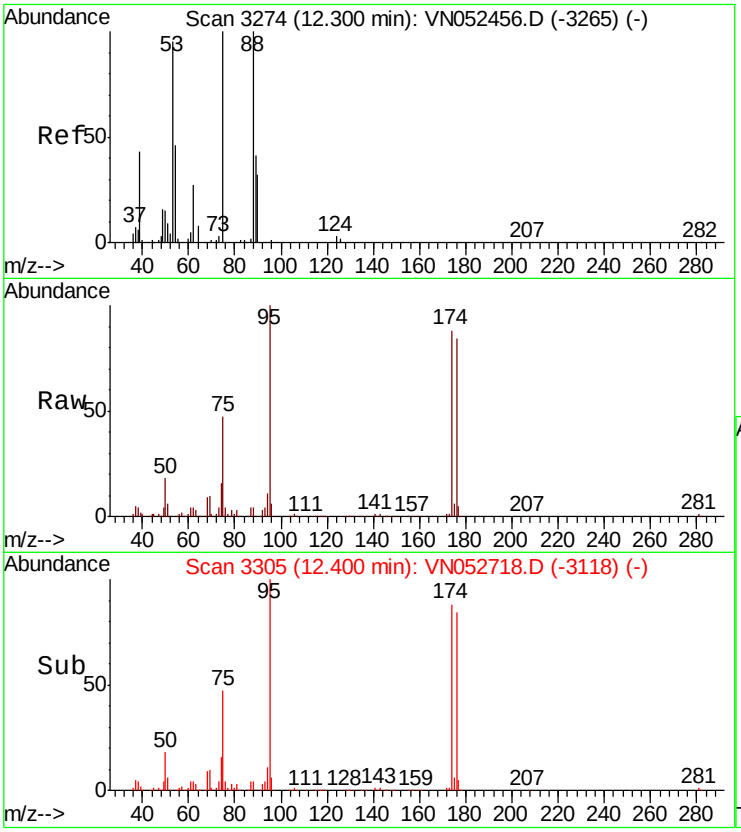


#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion: 98 Resp: 973349

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7



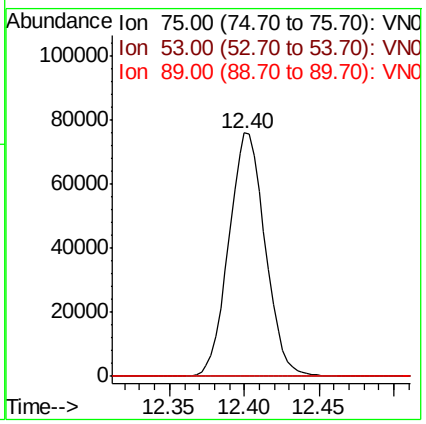


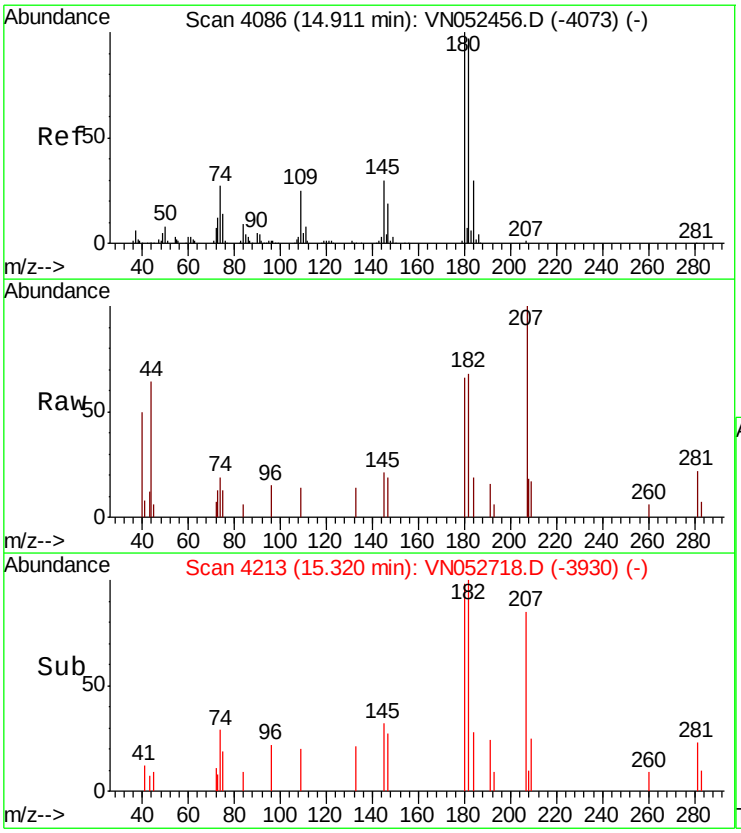
#77
t-1,4-Dichloro-2-butene
Concen: 54.473 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

Tgt Ion: 75 Resp: 128615

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

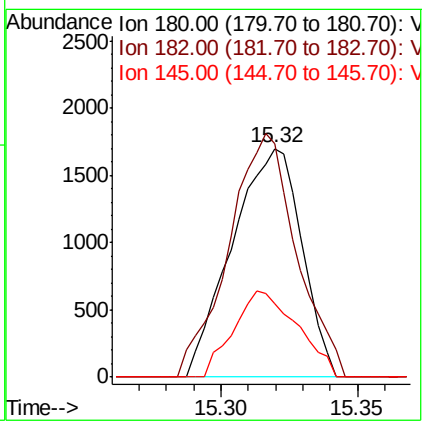


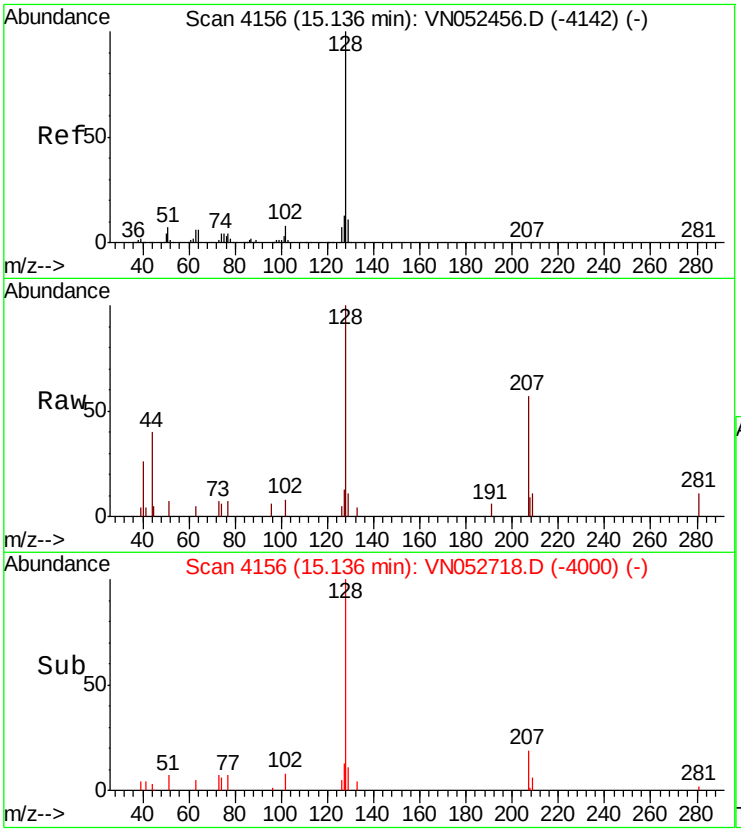


#89
1,2,4-Trichlorobenzene
Concen: 0.377 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.41 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion:180 Resp: 3013

Ion	Ratio	Lower	Upper
180	100		
182	103.3	76.6	114.8
145	34.6	23.6	35.4



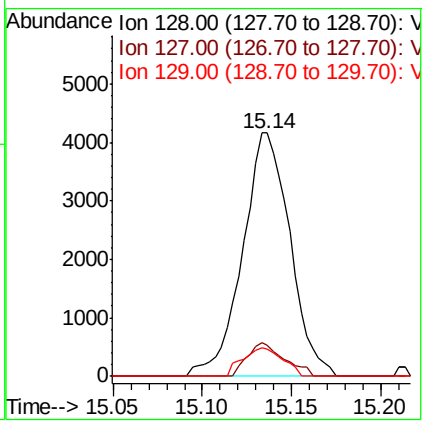


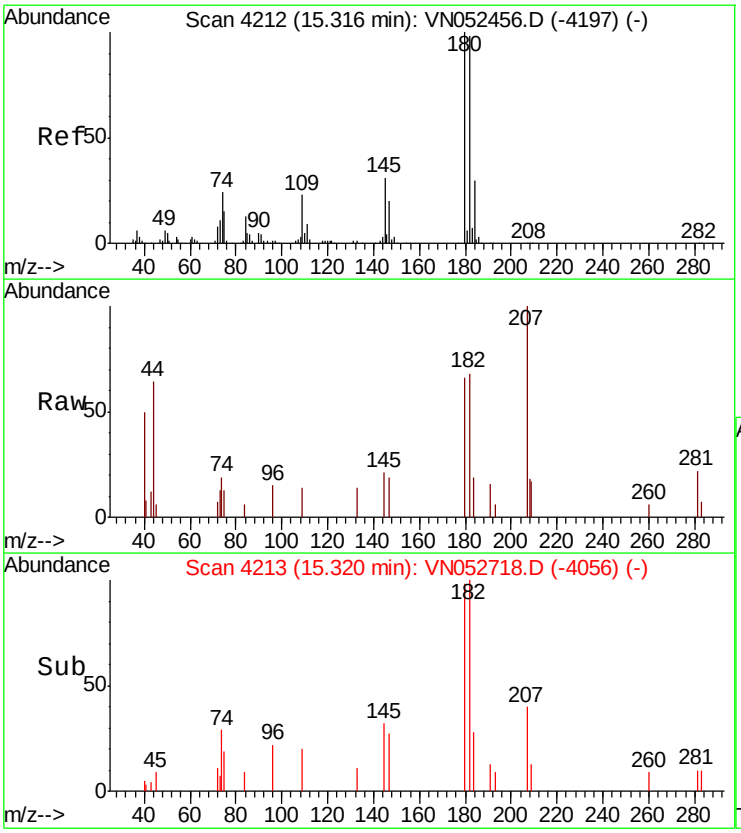
#91
Naphthalene
Concen: 0.479 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBL01

Tgt Ion:128 Resp: 7721

Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.9	14.9
129	9.9	8.5	12.7





#92
1,2,3-Trichlorobenzene
Concen: 0.410 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN052718.D
Acq: 7 Dec 2018 11:25

Tgt Ion:180 Resp: 3013

Ion	Ratio	Lower	Upper
180	100		
182	103.3	0.0	196.2
145	34.6	0.0	62.2