Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072718\
Data File : VN050125.D
Acq On : 27 Jul 2018 11:47
Operator : MD\SY
Sample : VN0727WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VN0727WBL01

Quant Time: Jul 27 12:52:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	91607	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	498675	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	392705	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	189484	30.43	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 101.43%			
60) 4-Bromofluorobenzene	12.40	95	140276	23.25	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 77.50%			
63) Toluene-d8	10.09	98	559816	29.84	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.47%			
Target Compounds						Qvalue
3) Chloromethane	2.06	50	1673	0.257	ug/l	94
5) Bromomethane	2.57	94	2240	0.530	ug/l	90
11) Methyl Iodide	3.96	142	2257	0.314	ug/l #	81
12) Methyl Acetate	4.34	43	8394	1.500	ug/l	100
13) Acrolein	3.63	56	229	0.662	ug/l	89
15) Acetone	3.83	58	249	0.502	ug/l #	1
16) Carbon Disulfide	4.05	76	10455	0.699	ug/l	100
23) tert-Butyl Alcohol	4.33	59	274	0.657	ug/l #	100
45) 1,4-Dioxane	9.22	88	64	1.035	ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	1407	0.308	ug/l #	70
77) t-1,4-Dichloro-2-butene	12.40	75	69345	40.509	ug/l #	14
89) 1,2,4-Trichlorobenzene	14.91	180	2464	0.510	ug/l	92
90) Hexachlorobutadiene	15.01	225	909	0.285	ug/l	52
91) Naphthalene	15.14	128	19463	8.924	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	3002	0.610	ug/l	92

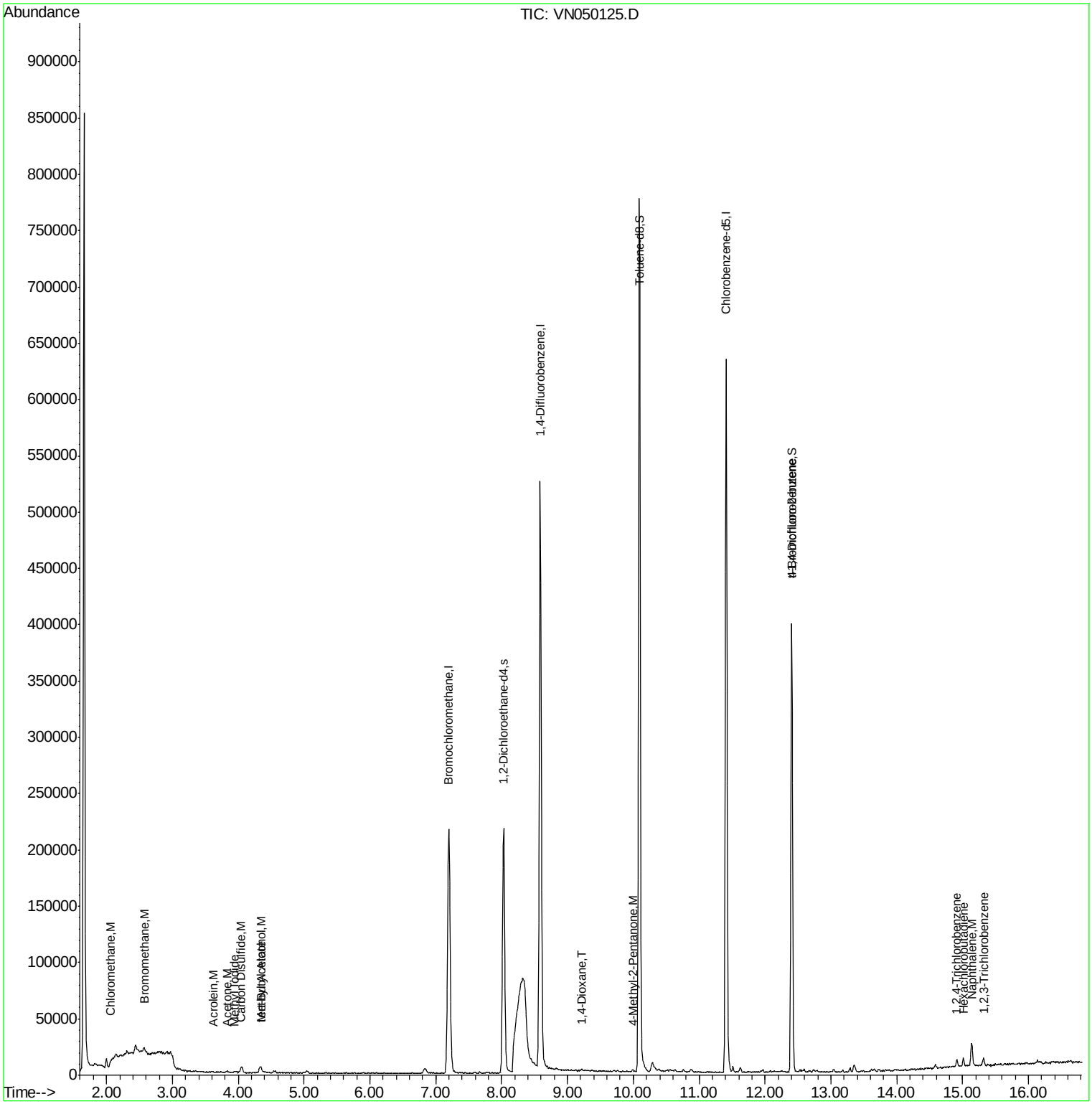
(#) = qualifier out of range (m) = manual integration (+) = signals summed

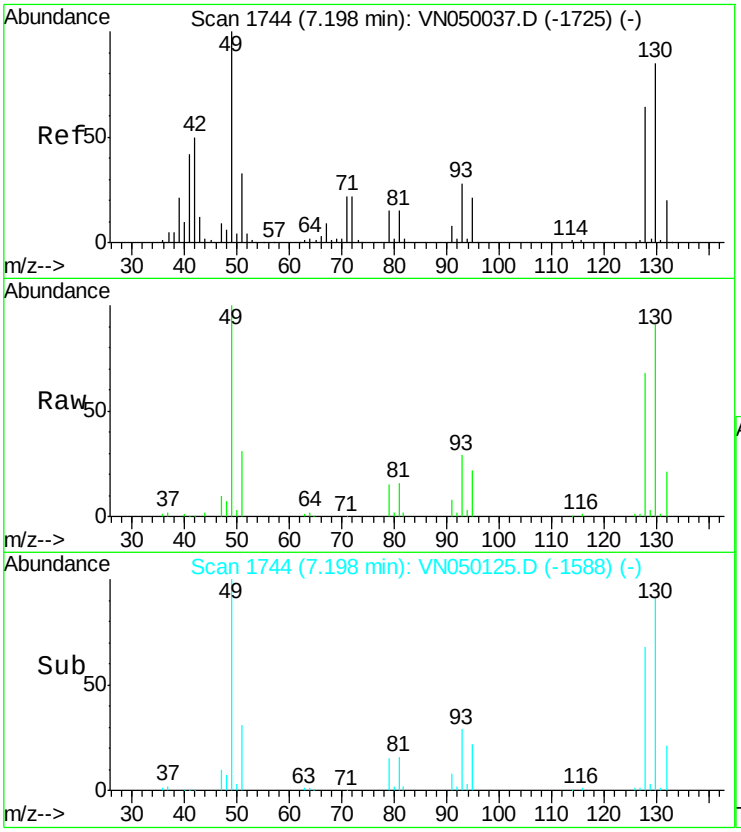
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072718\
Data File : VN050125.D
Acq On : 27 Jul 2018 11:47
Operator : MD\SY
Sample : VN0727WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Quant Time: Jul 27 12:52:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration



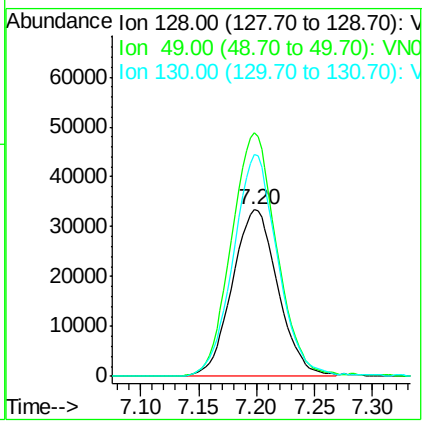


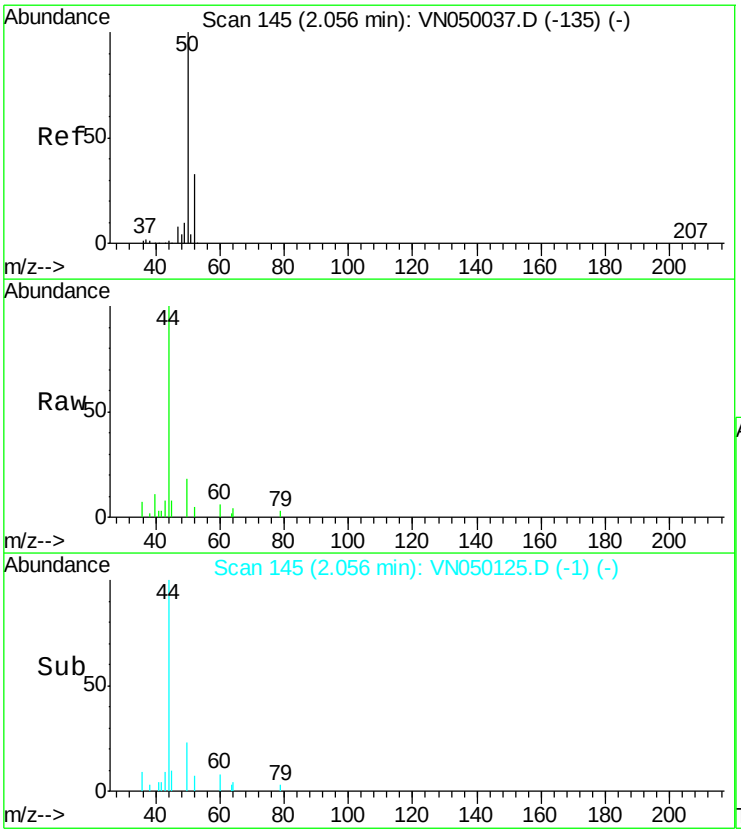
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion:128 Resp: 91607

Ion	Ratio	Lower	Upper
128	100		
49	144.7	0.0	378.3
130	128.9	0.0	320.7

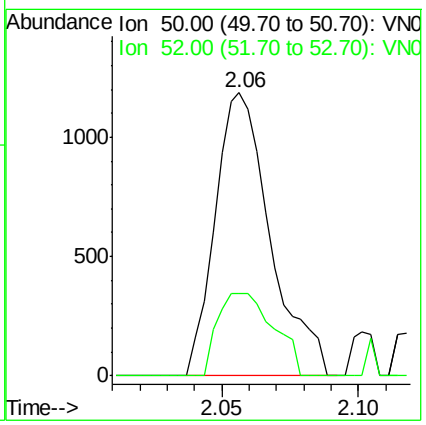


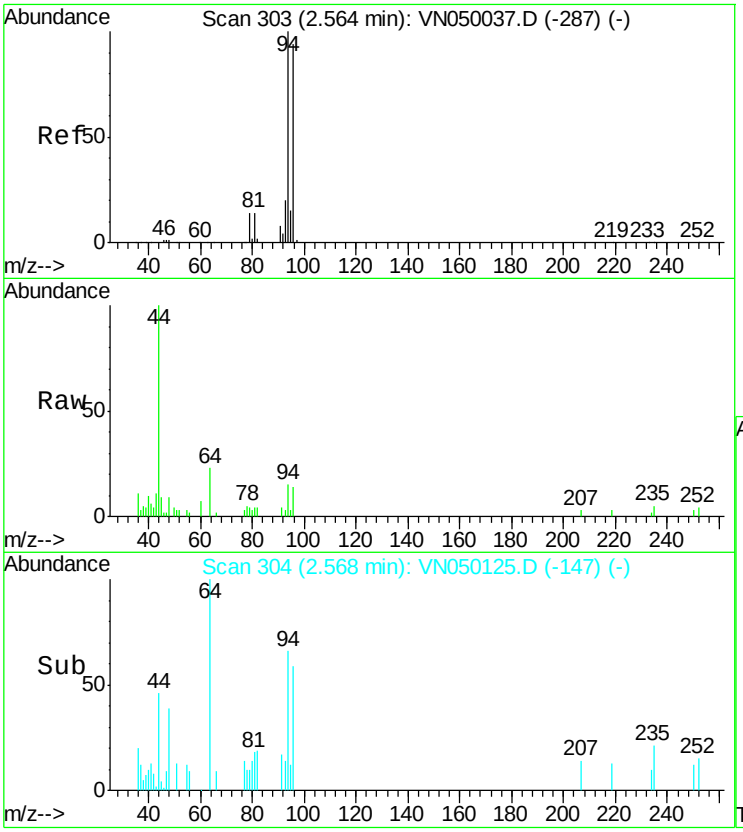


#3
Chloromethane
Concen: 0.257 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 50 Resp: 1673

Ion	Ratio	Lower	Upper
50	100		
52	29.0	26.1	39.1



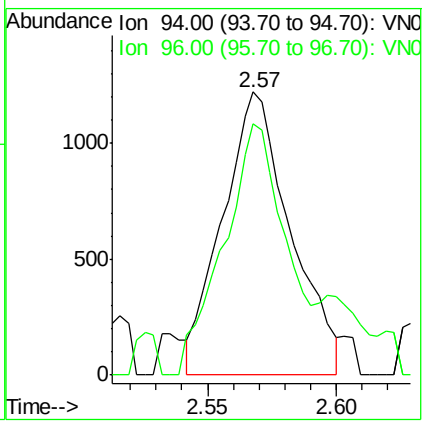


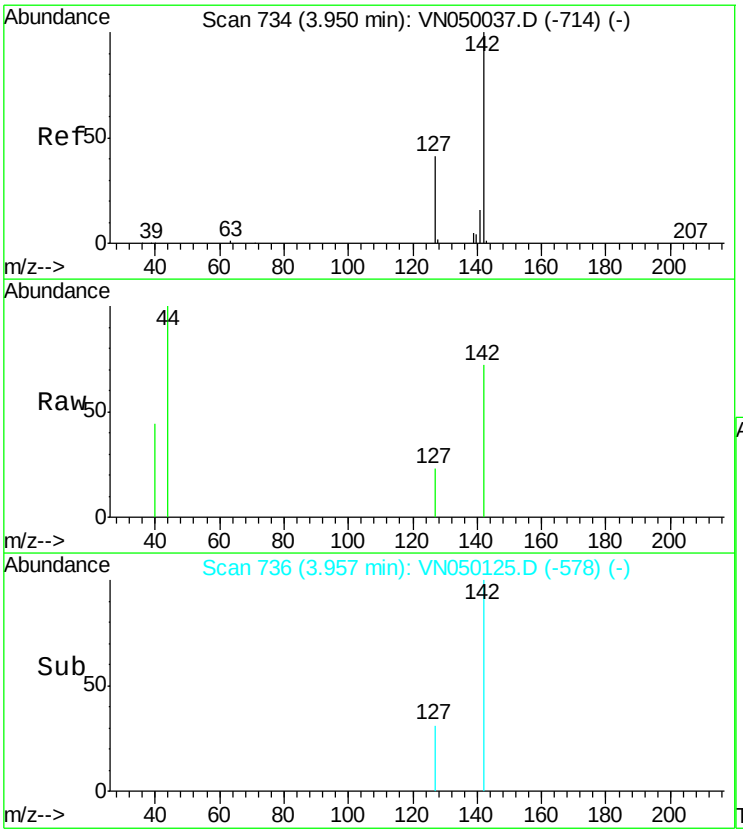
#5
Bromomethane
Concen: 0.530 ug/l
RT: 2.57 min Scan# 304
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion: 94 Resp: 2240

Ion	Ratio	Lower	Upper
94	100		
96	85.3	75.9	113.9

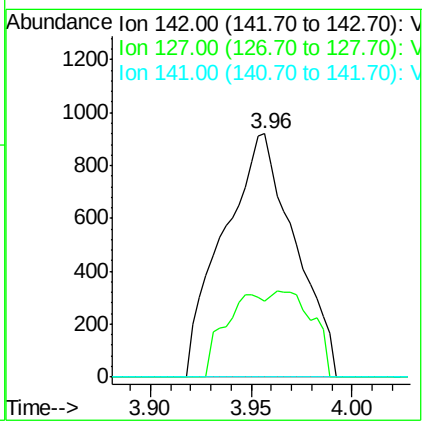


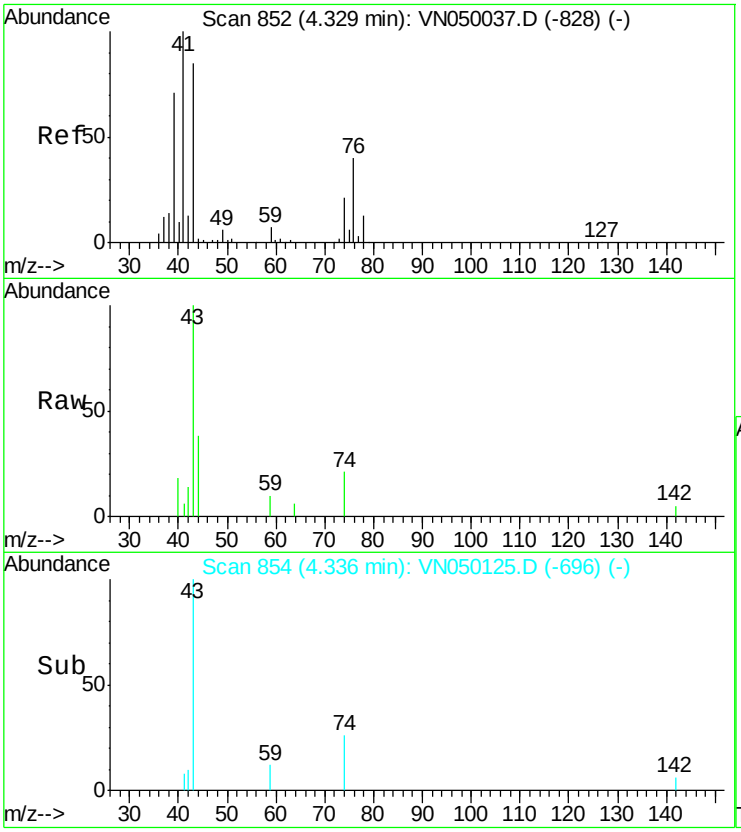


#11
Methyl Iodide
Concen: 0.314 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.01 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion:142 Resp: 2257

Ion	Ratio	Lower	Upper
142	100		
127	31.4	20.2	60.5
141	0.0	6.9	20.6#



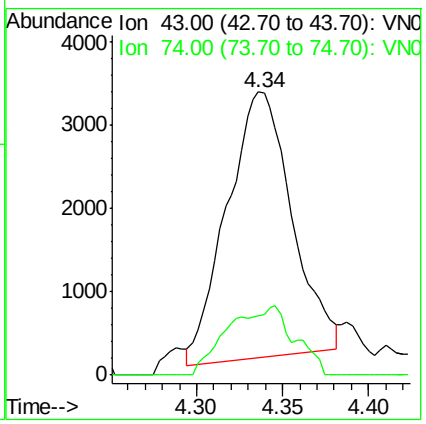


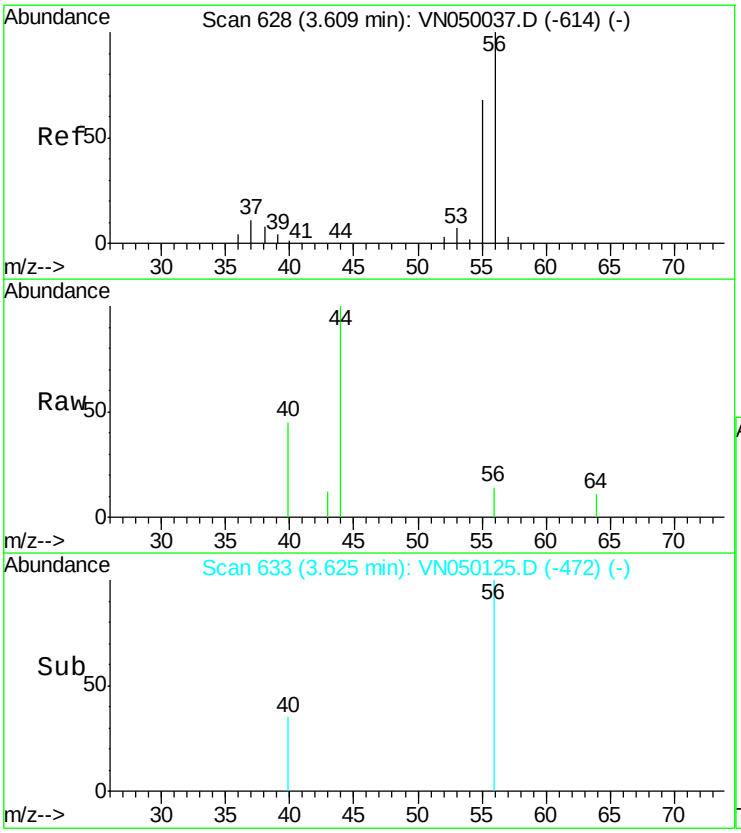
#12
Methyl Acetate
Concen: 1.500 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion: 43 Resp: 8394

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9

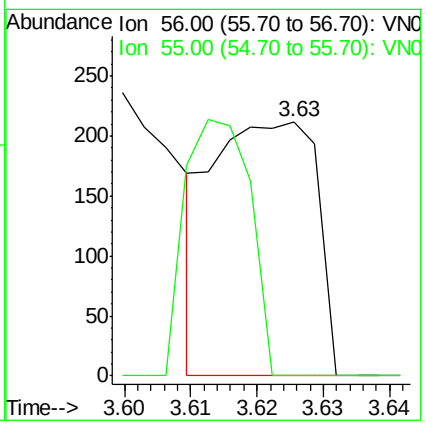


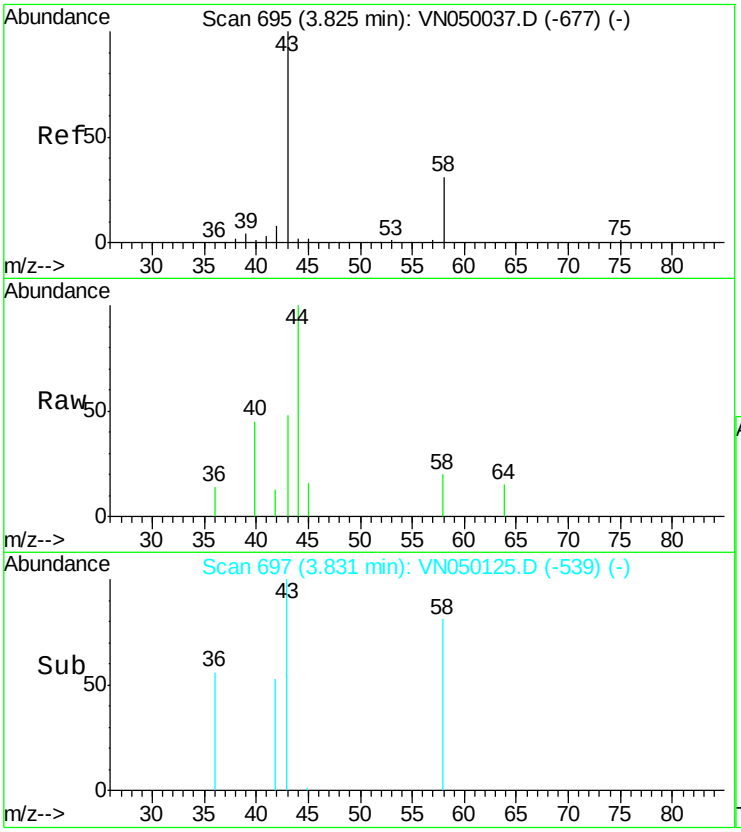


#13
Acrolein
Concen: 0.662 ug/l
RT: 3.63 min Scan# 633
Delta R.T. 0.02 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 56 Resp: 229

Ion	Ratio	Lower	Upper
56	100		
55	64.2	58.6	88.0



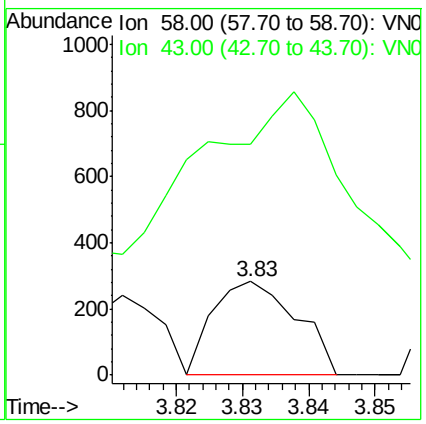


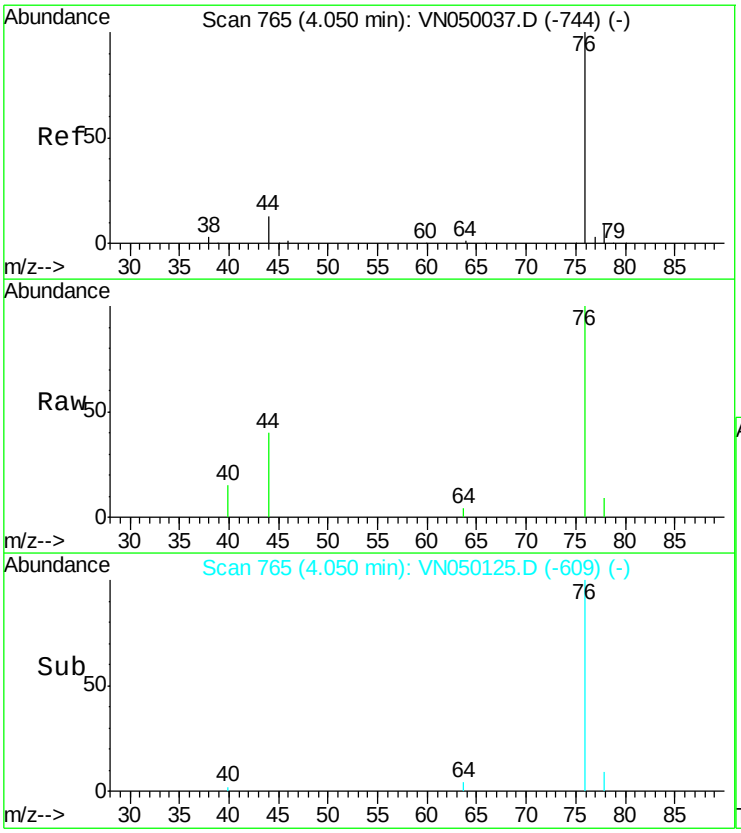
#15
Acetone
Concen: 0.502 ug/l
RT: 3.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion: 58 Resp: 249

Ion	Ratio	Lower	Upper
58	100		
43	33.2	252.0	378.0#

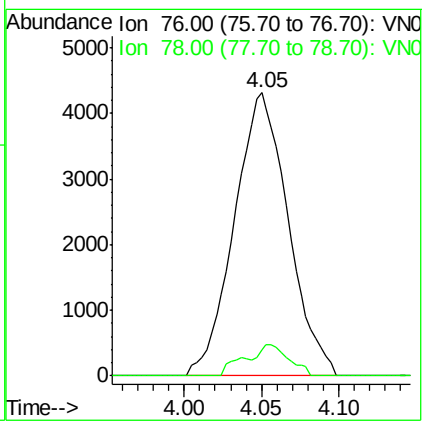


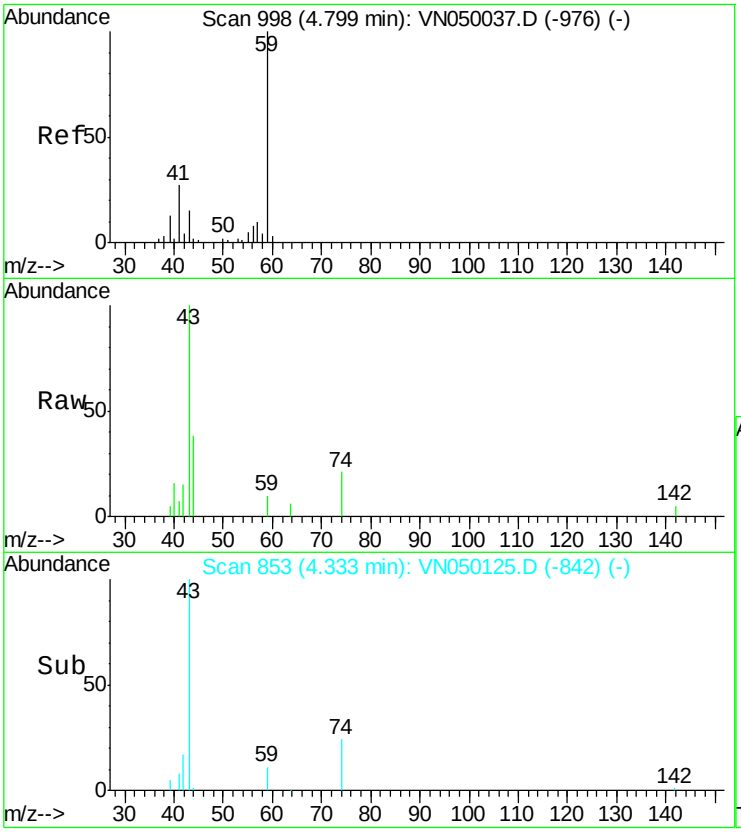


#16
Carbon Disulfide
Concen: 0.699 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 76 Resp: 10455

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



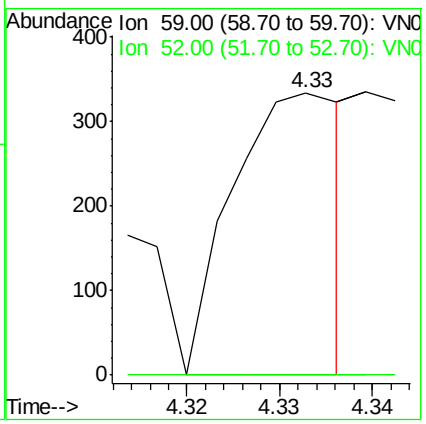


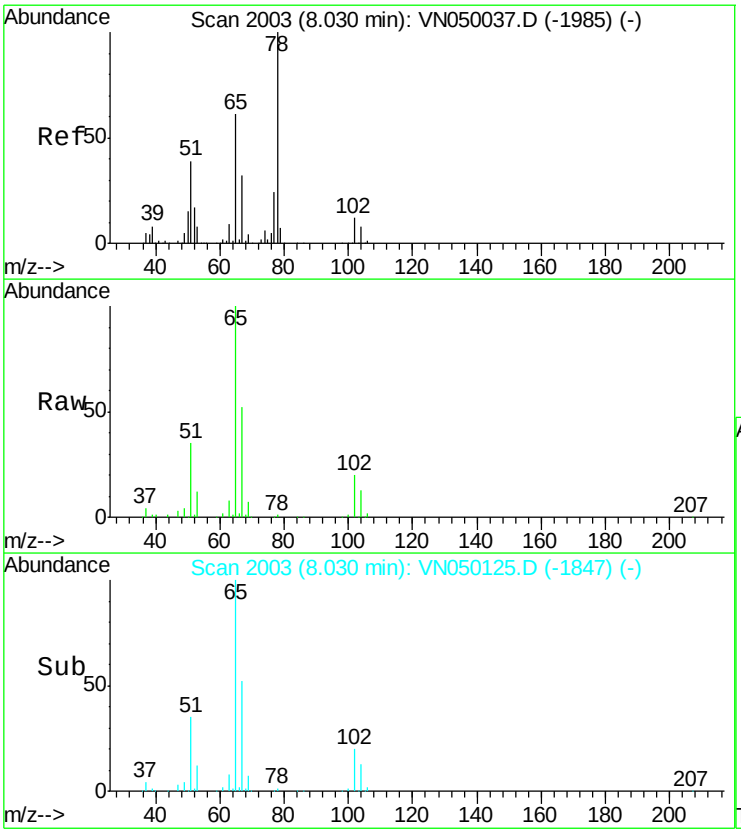
#23
tert-Butyl Alcohol
Concen: 0.657 ug/l
RT: 4.33 min Scan# 853
Delta R.T. -0.47 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument : MSVOA_N
ClientSampleId : VN0727WBL01

Tgt Ion: 59 Resp: 274

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

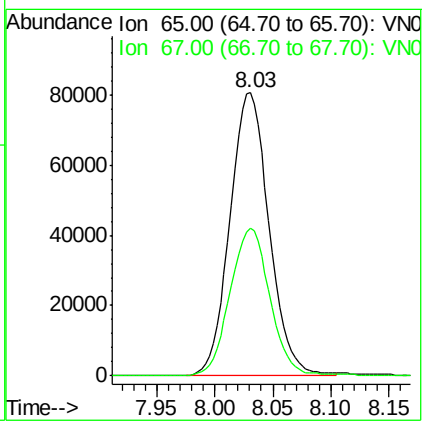


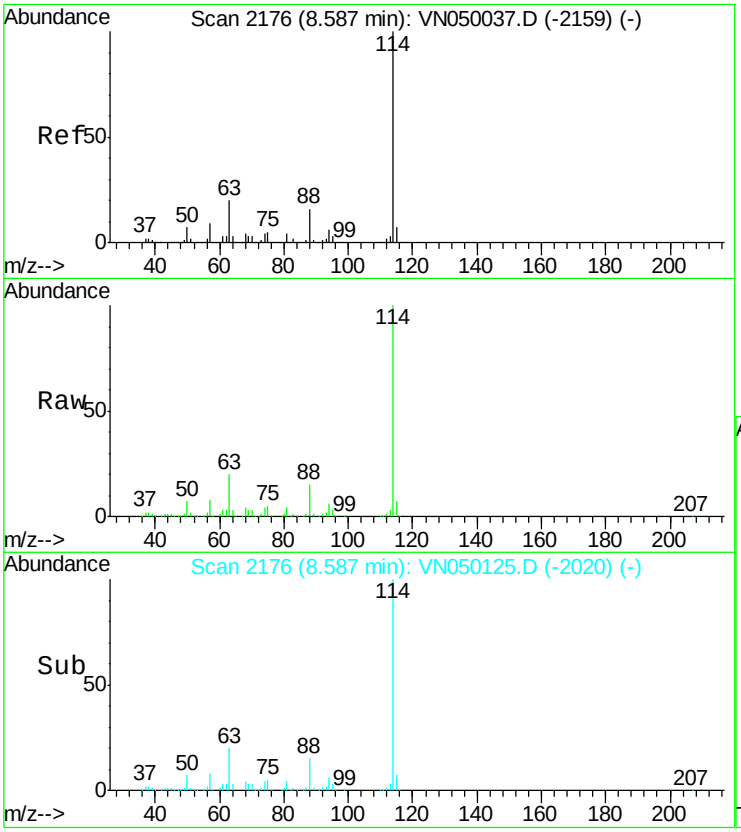


#27
1,2-Dichloroethane-d4
Concen: 30.431 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 65 Resp: 189484

Ion	Ratio	Lower	Upper
65	100		
67	53.1	42.7	64.1



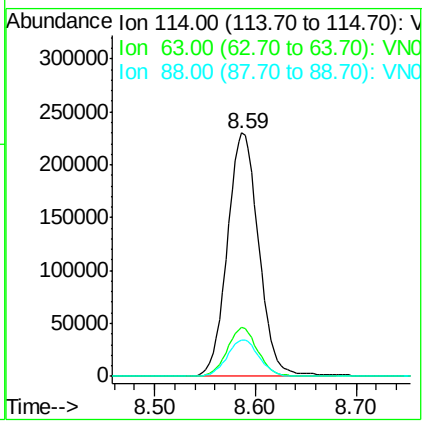


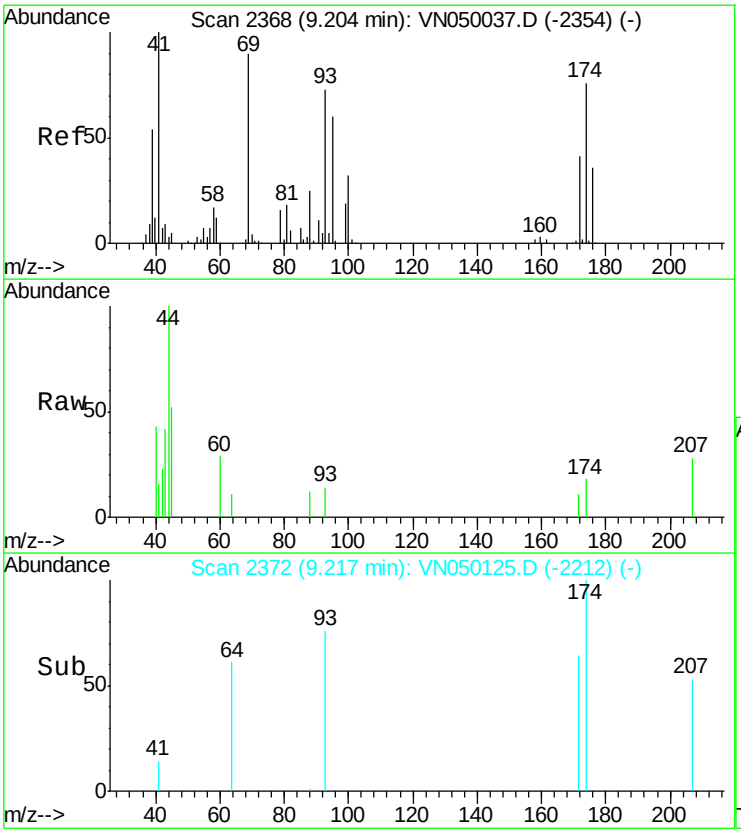
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion:114 Resp: 498675

Ion	Ratio	Lower	Upper
114	100		
63	19.4	16.2	24.2
88	15.2	12.3	18.5

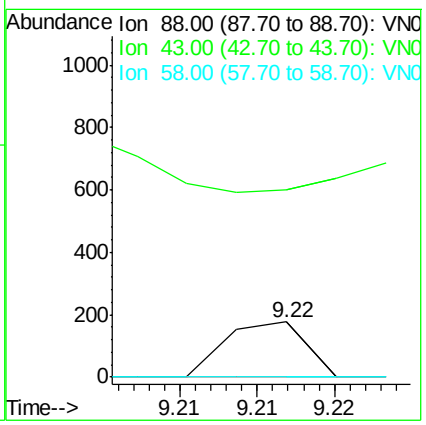


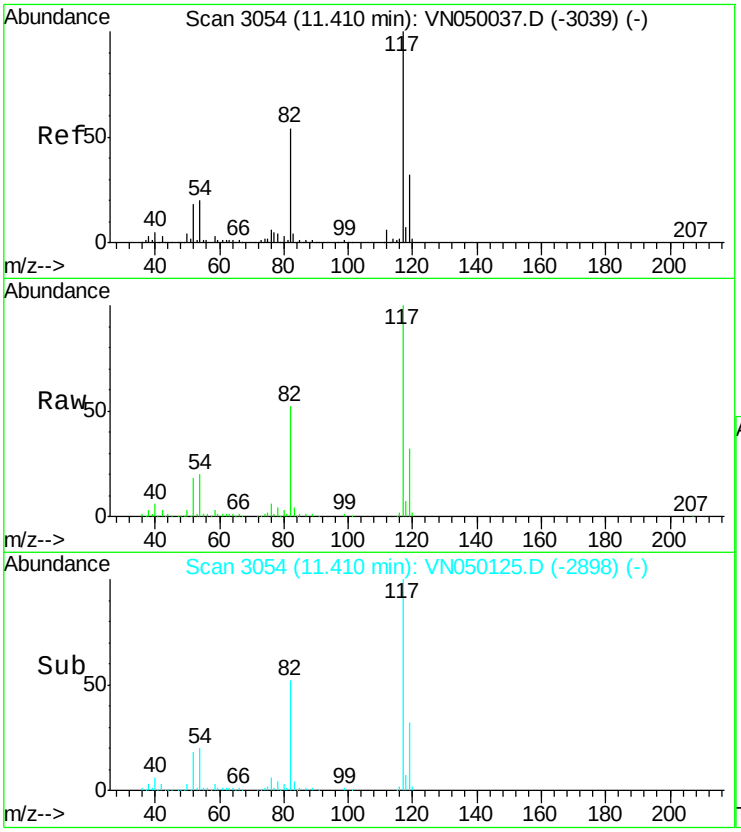


#45
1,4-Dioxane
Concen: 1.035 ug/l
RT: 9.22 min Scan# 2372
Delta R.T. 0.01 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 88 Resp: 64

Ion	Ratio	Lower	Upper
88	100		
43	234.4	26.9	40.3#
58	0.0	53.6	80.4#



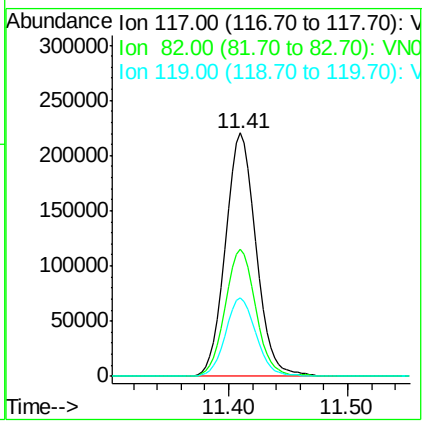


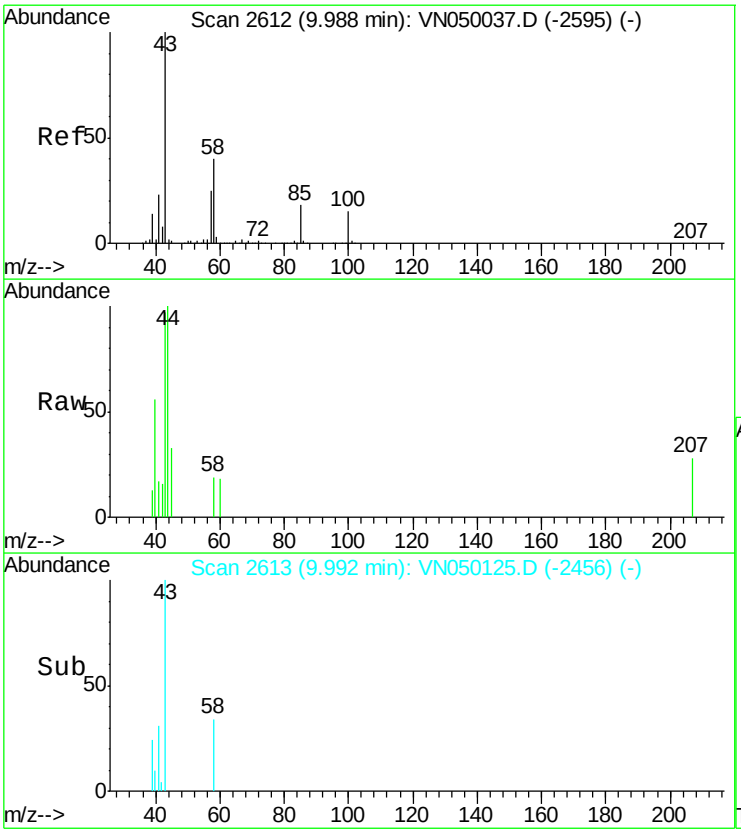
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion:117 Resp: 392705

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.4	63.6
119	32.4	25.4	38.0

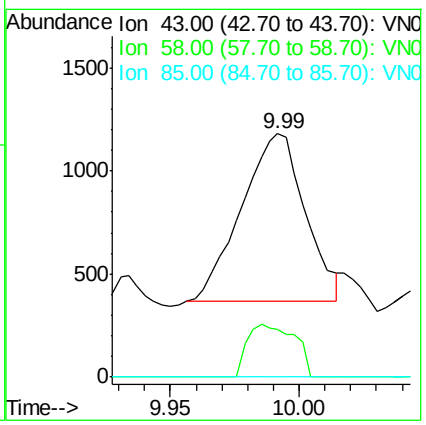


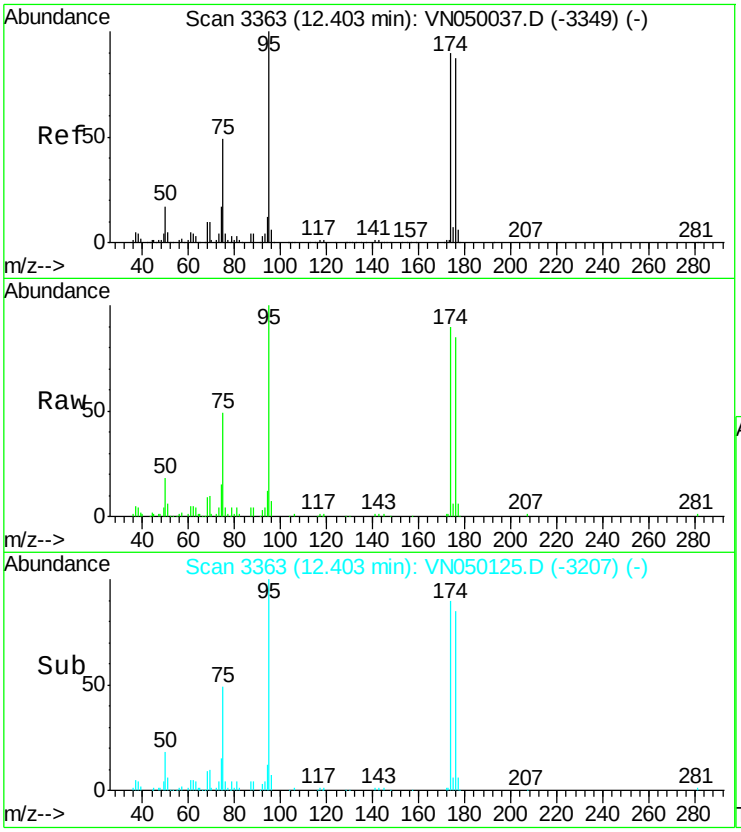


#58
4-Methyl-2-Pentanone
Concen: 0.308 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 43 Resp: 1407

Ion	Ratio	Lower	Upper
43	100		
58	23.4	31.2	46.8#
85	0.0	14.4	21.6#



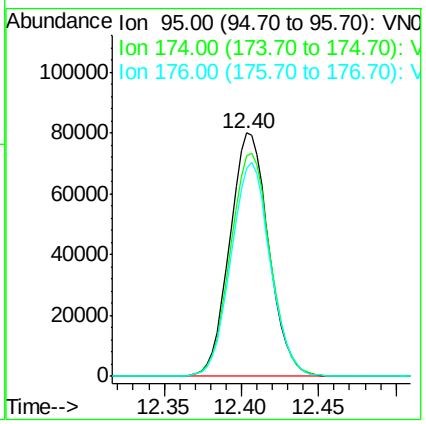


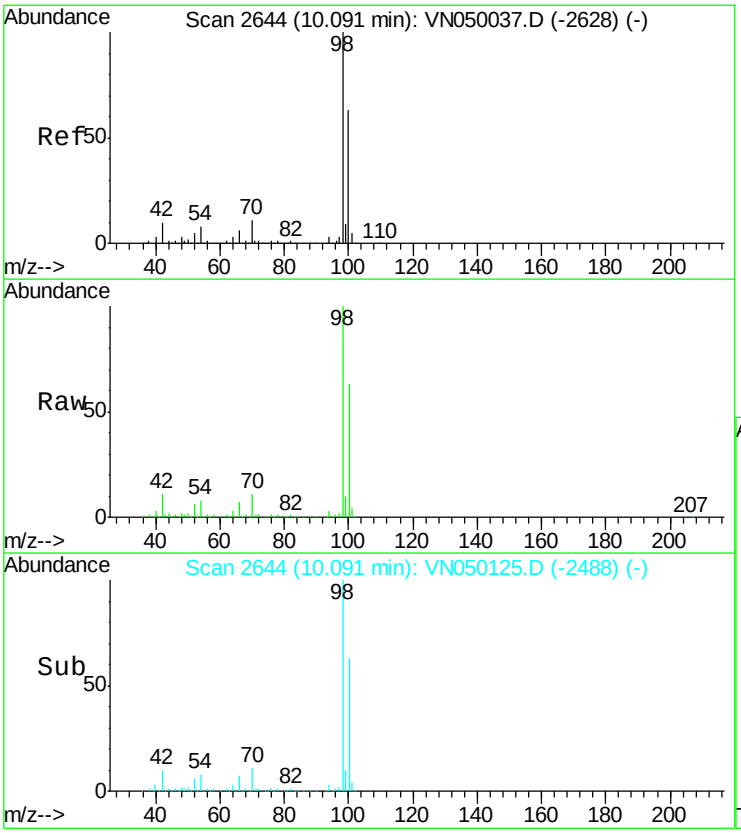
#60
4-Bromofluorobenzene
Concen: 23.251 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion: 95 Resp: 140276

Ion	Ratio	Lower	Upper
95	100		
174	93.7	72.3	108.5
176	88.4	70.0	105.0

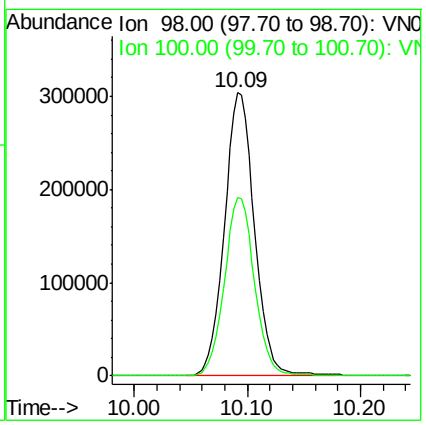


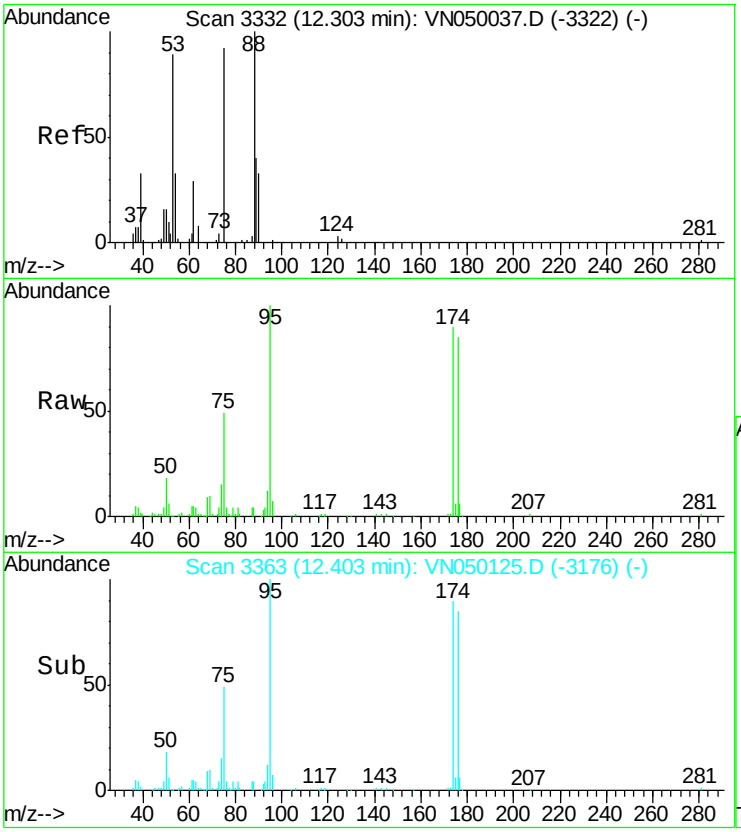


#63
Toluene-d8
Concen: 29.845 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion: 98 Resp: 559816

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8



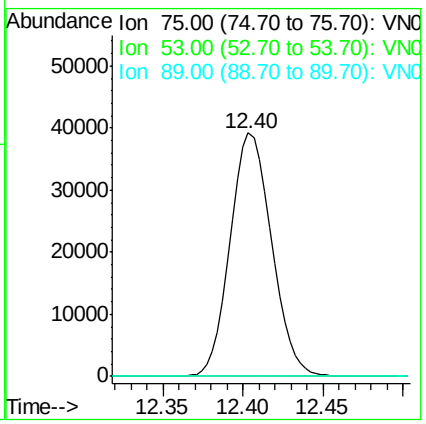


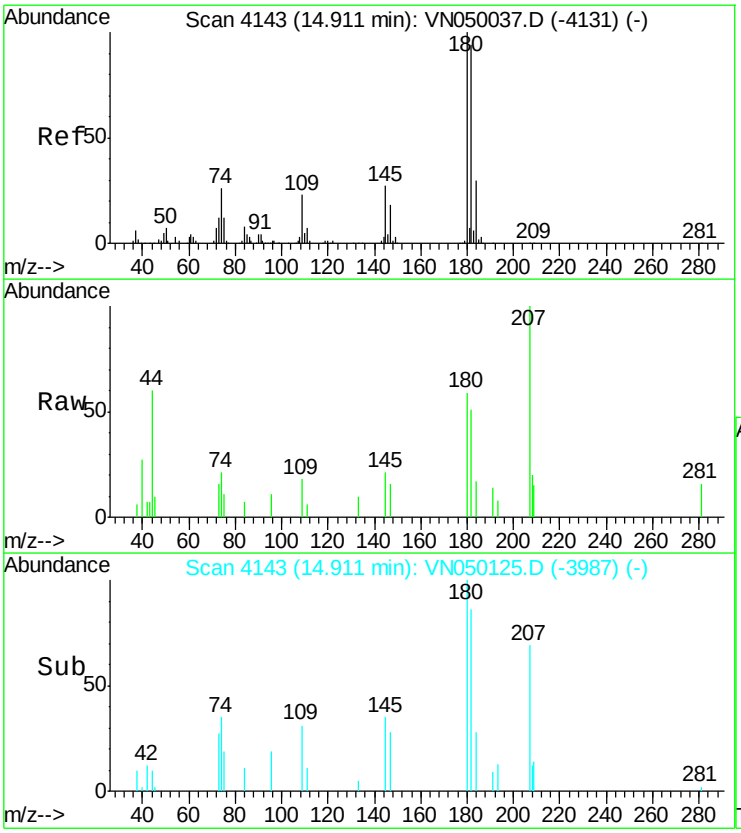
#77
t-1,4-Dichloro-2-butene
Concen: 40.509 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument : MSVOA_N
ClientSampleId : VN0727WBL01

Tgt Ion: 75 Resp: 69345

Ion	Ratio	Lower	Upper
75	100		
53	0.4	44.6	134.0#
89	0.0	20.7	62.1#

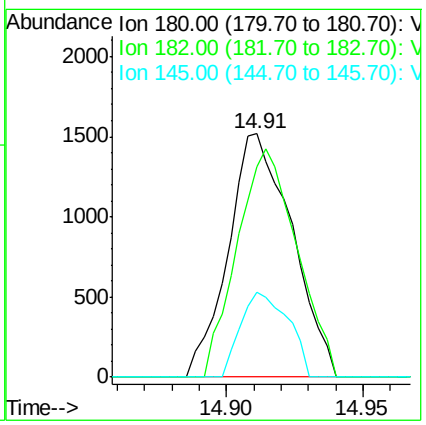


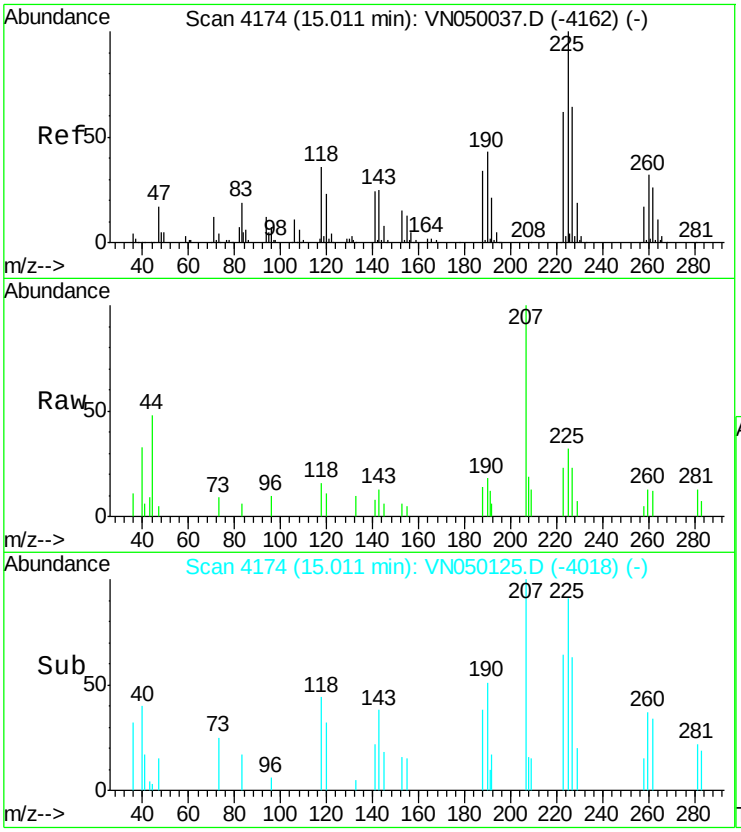


#89
1,2,4-Trichlorobenzene
Concen: 0.510 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion:180 Resp: 2464

Ion	Ratio	Lower	Upper
180	100		
182	87.7	76.7	115.1
145	26.1	23.4	35.0



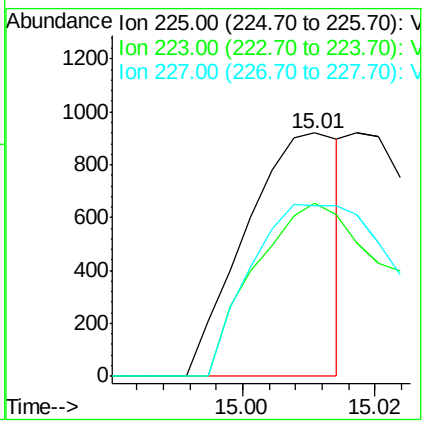


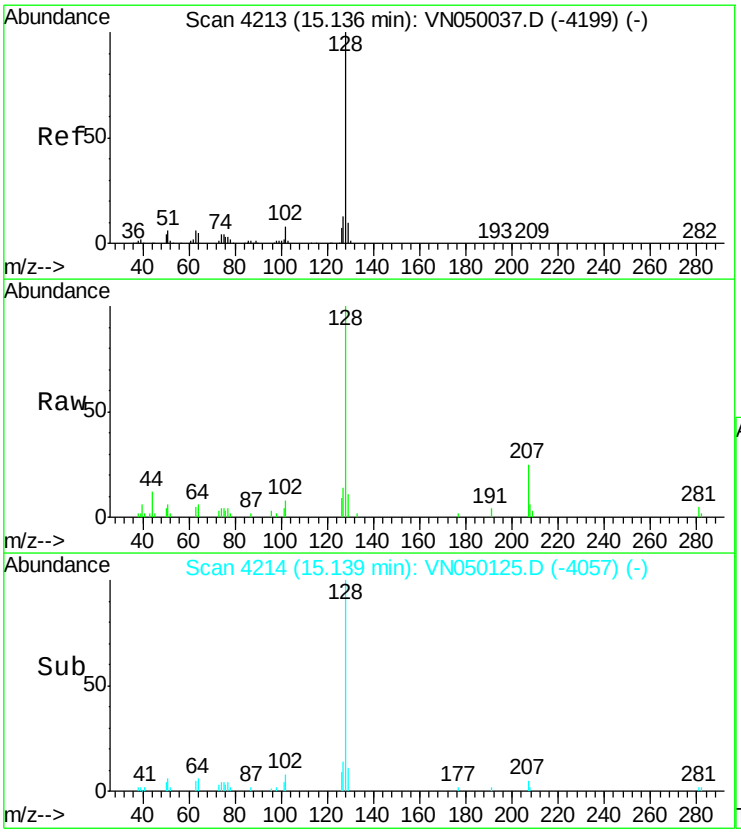
#90
Hexachlorobutadiene
Concen: 0.285 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion:225 Resp: 909

Ion	Ratio	Lower	Upper
225	100		
223	104.7	0.0	124.4
227	99.2	0.0	133.0

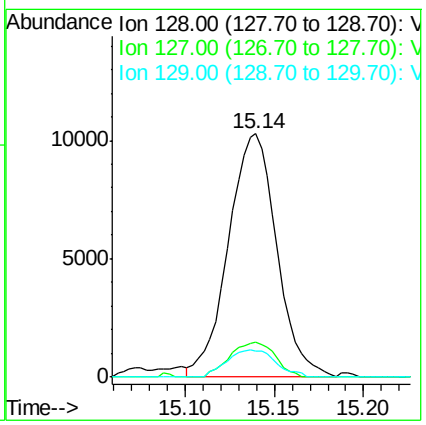


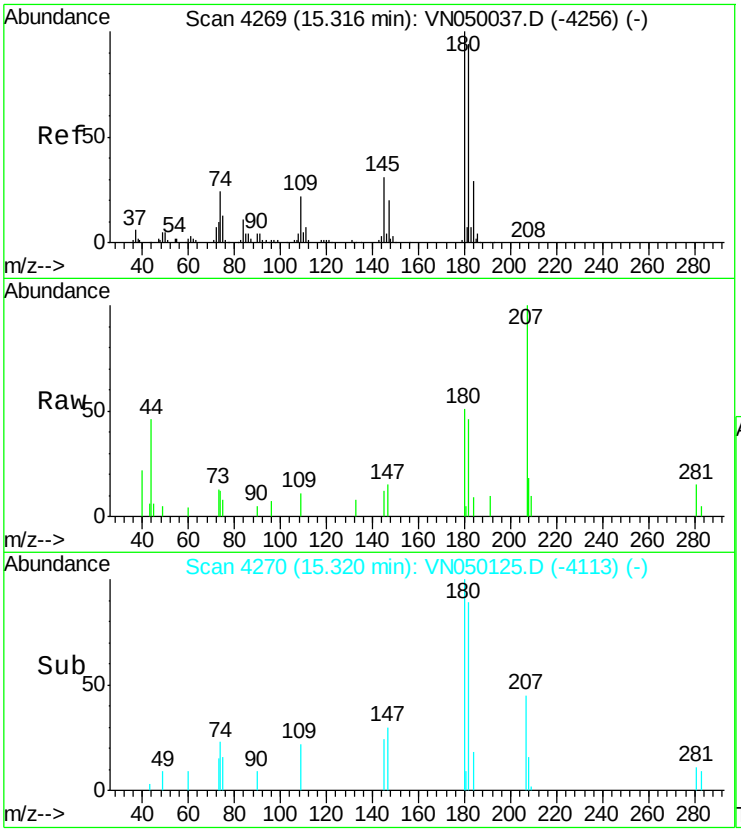


#91
Naphthalene
Concen: 8.924 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Tgt Ion:128 Resp: 19463

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.2	9.0	13.4





#92
1,2,3-Trichlorobenzene
Concen: 0.610 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050125.D
Acq: 27 Jul 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBL01

Tgt Ion:180 Resp: 3002

Ion	Ratio	Lower	Upper
180	100		
182	90.2	0.0	188.8
145	19.5	0.0	60.8