Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058238.D
Acq On : 20 Sep 2019 10:36
Operator : JC/SP
Sample : K4973-01 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Quant Time: Sep 21 05:38:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71394	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	429538	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	370788	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.01	65	200248	31.71	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 105.70%			
60) 4-Bromofluorobenzene	12.40	95	177252	27.94	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.13%			
63) Toluene-d8	10.08	98	525381	29.52	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.40%			

Target Compounds						Qvalue
13) Acrolein	3.78	56	159	0.566	ug/l #	1
15) Acetone	3.79	58	523224	872.647	ug/l	96
16) Carbon Disulfide	4.03	76	1810	0.206	ug/l #	75
20) Diisopropyl ether	5.93	45	73646	4.554	ug/l	89
23) tert-Butyl Alcohol	4.77	59	543	0.788	ug/l #	100
25) Chloroform	7.36	83	16247	1.790	ug/l	98
50) 1,1,2-Trichloroethane	10.09	97	16226	3.271	ug/l #	1
58) 4-Methyl-2-Pentanone	9.98	43	8286	1.441	ug/l	98
59) 2-Hexanone	10.75	43	2616	0.606	ug/l #	95
89) 1,2,4-Trichlorobenzene	14.92	180	4100	0.701	ug/l	90
90) Hexachlorobutadiene	15.01	225	599	0.223	ug/l	52
91) Naphthalene	15.13	128	18720	1.164	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	4781	0.858	ug/l	99

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

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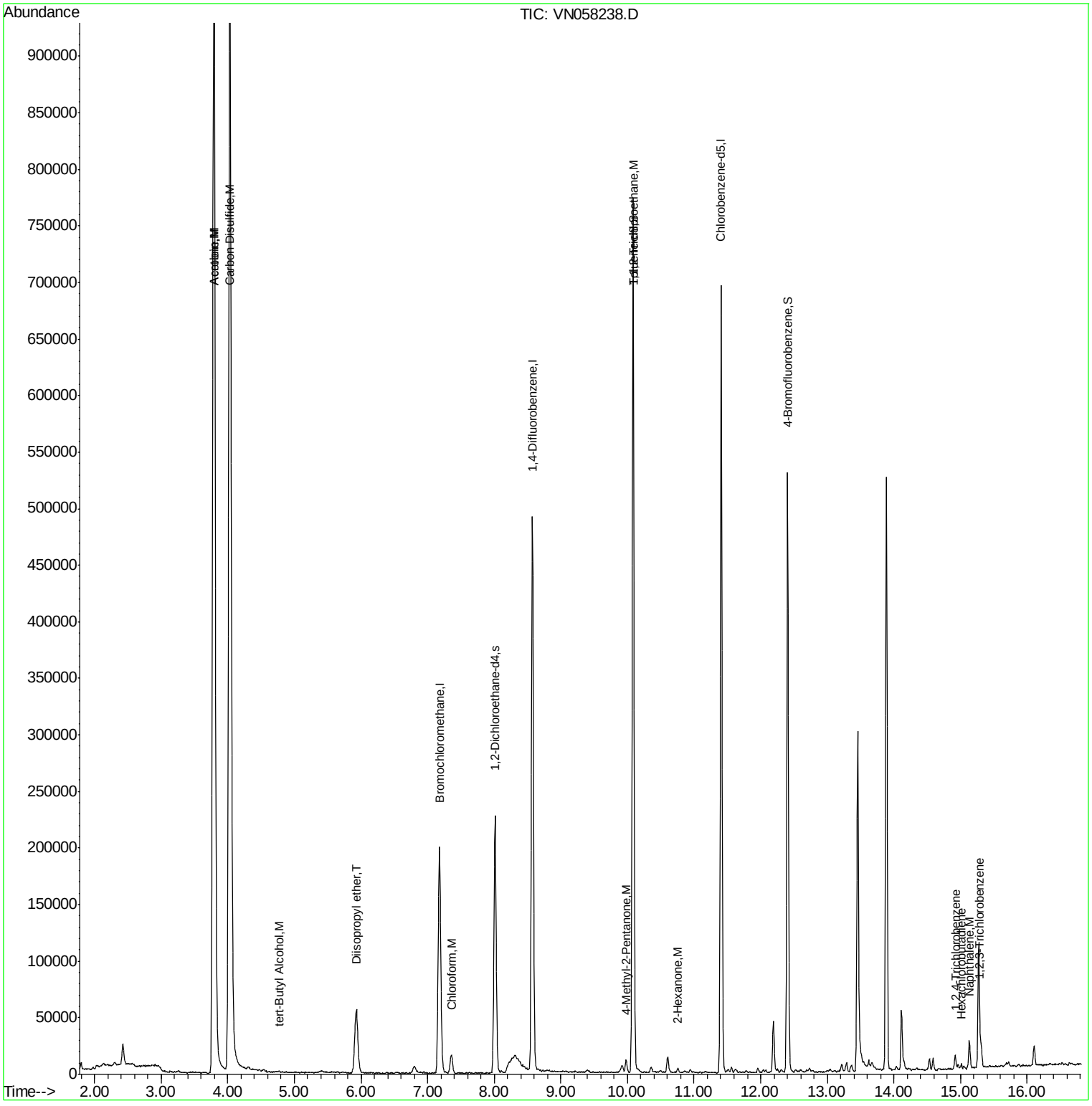
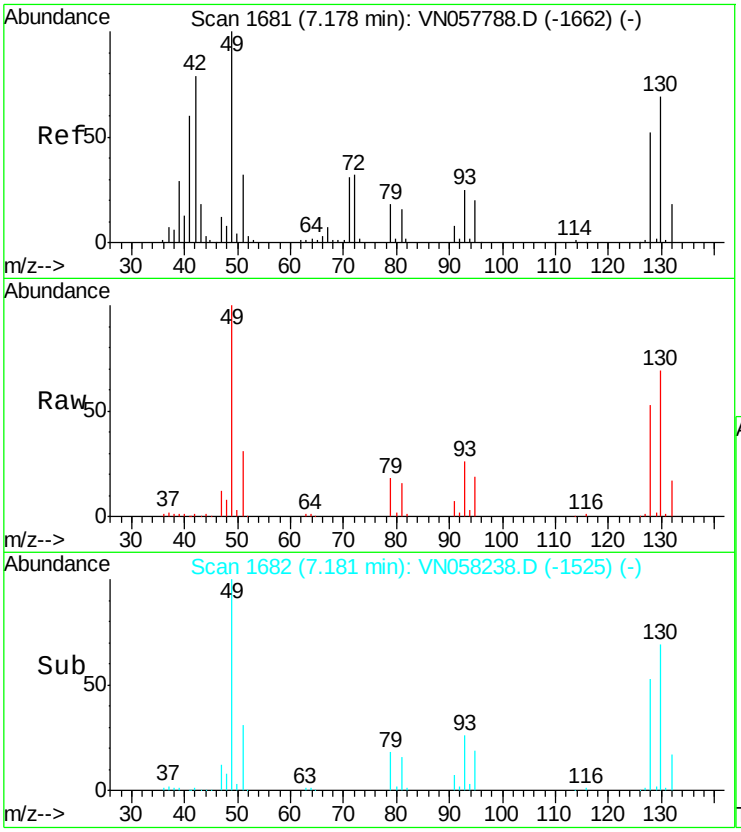
EFF-WW

Quant Time: Sep 21 05:38:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration



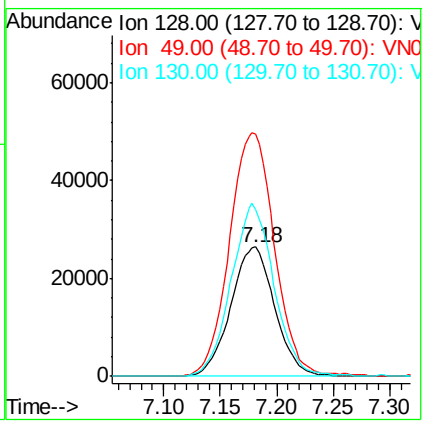


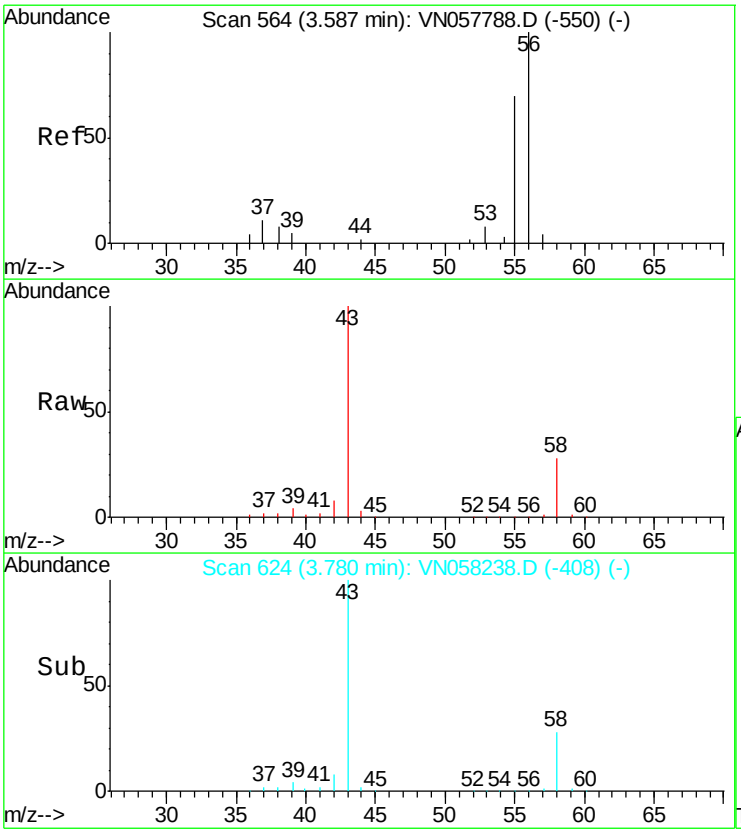
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 71394

Ion	Ratio	Lower	Upper
128	100		
49	192.4	0.0	486.5
130	130.4	0.0	324.5

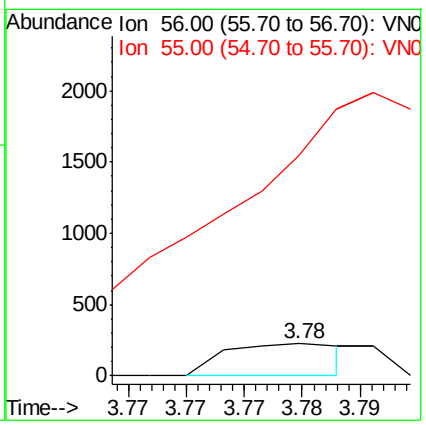


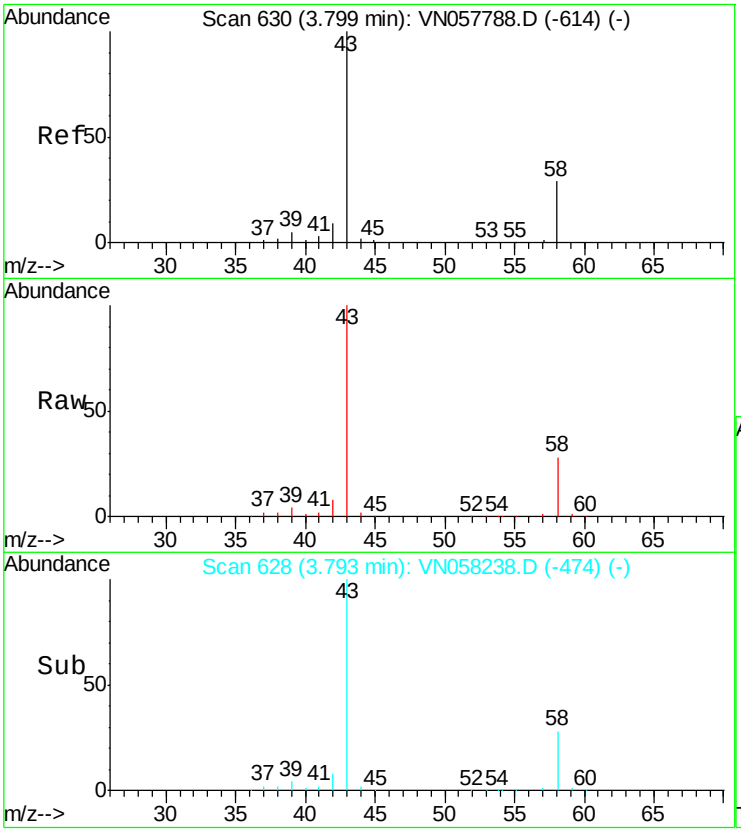


#13
Acrolein
Concen: 0.566 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.19 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 56 Resp: 159

Ion	Ratio	Lower	Upper
56	100		
55	3073.6	59.0	88.4#



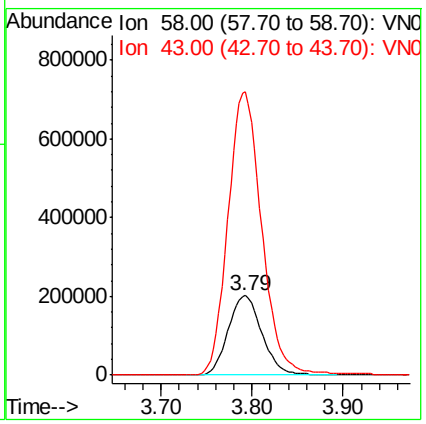


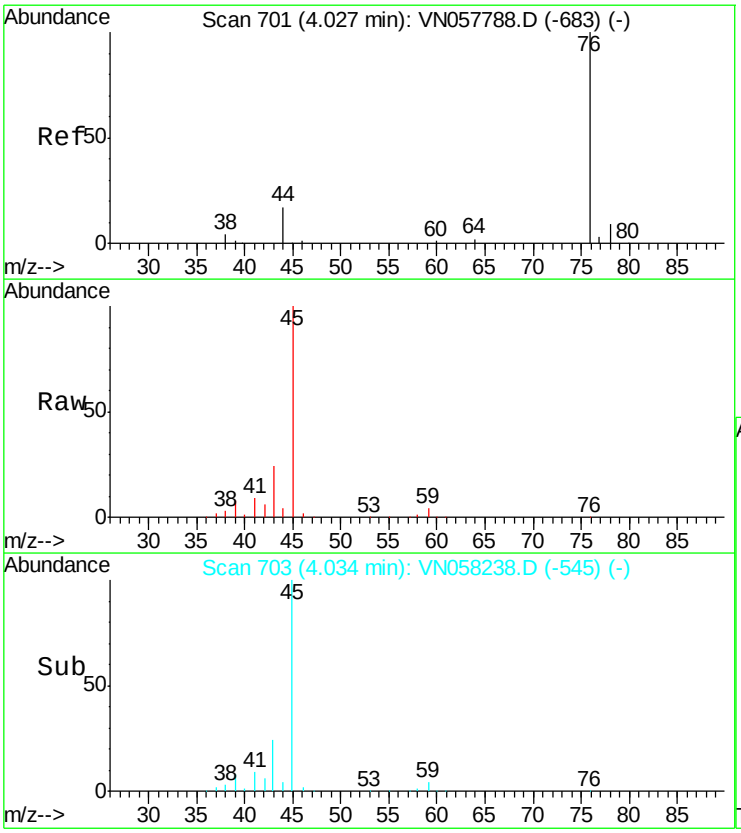
#15
Acetone
Concen: 872.647 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.01 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 58 Resp: 523224

Ion	Ratio	Lower	Upper
58	100		
43	356.0	277.7	416.5

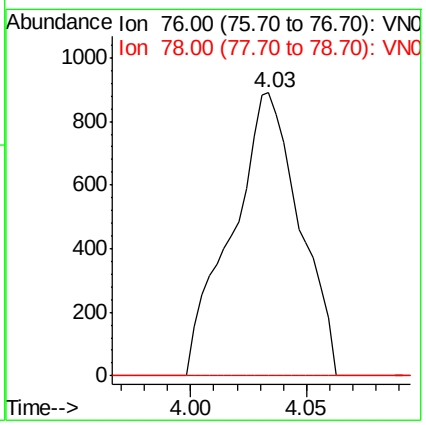


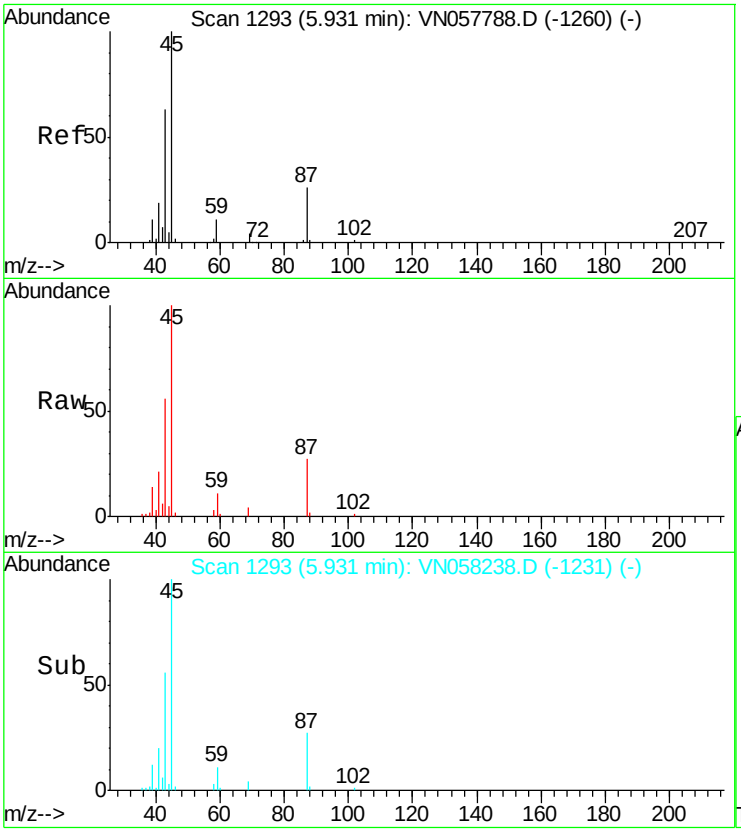


#16
Carbon Disulfide
Concen: 0.206 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 76 Resp: 1810

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.4	11.0#



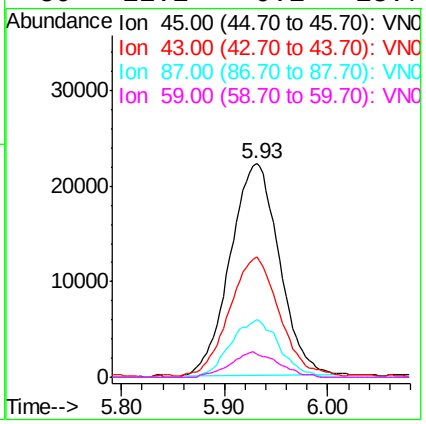


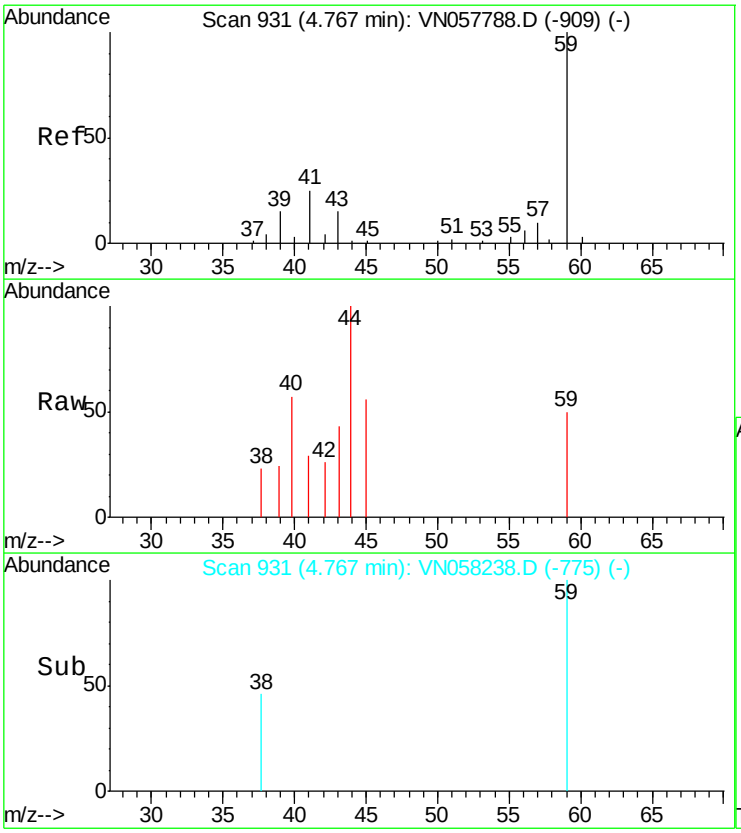
#20
Diisopropyl ether
Concen: 4.554 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 45 Resp: 73646

Ion	Ratio	Lower	Upper
45	100		
43	55.5	55.2	82.8
87	27.0	21.3	31.9
59	11.1	9.1	13.7

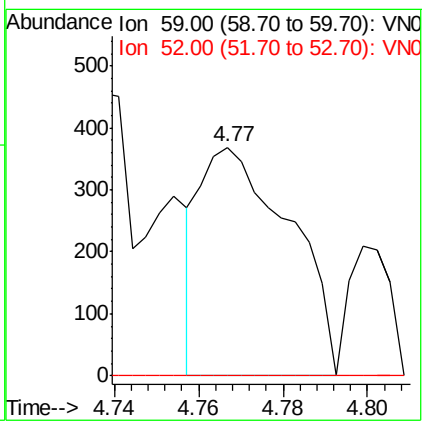


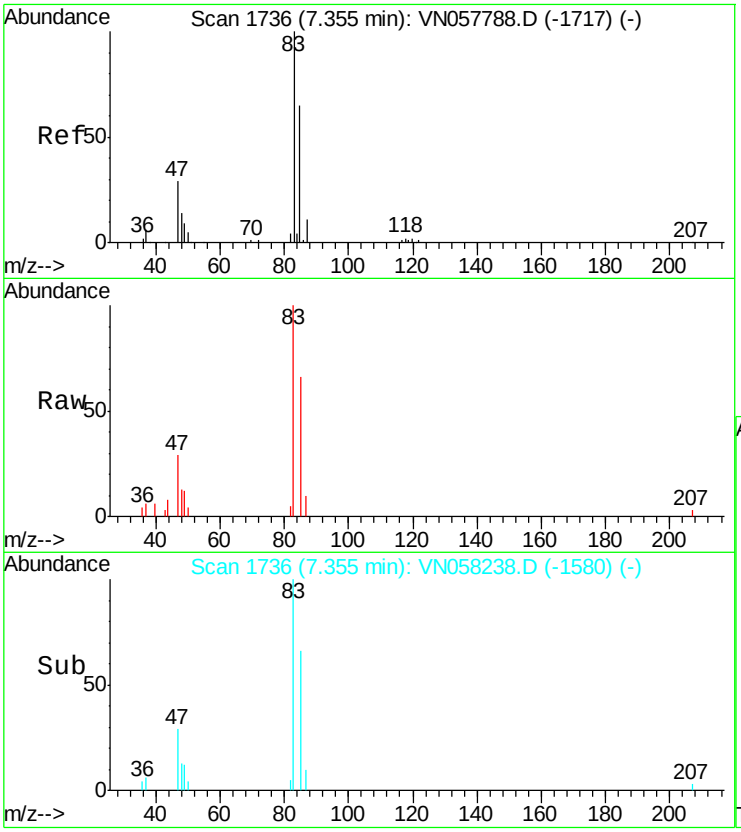


#23
tert-Butyl Alcohol
Concen: 0.788 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 59 Resp: 543

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



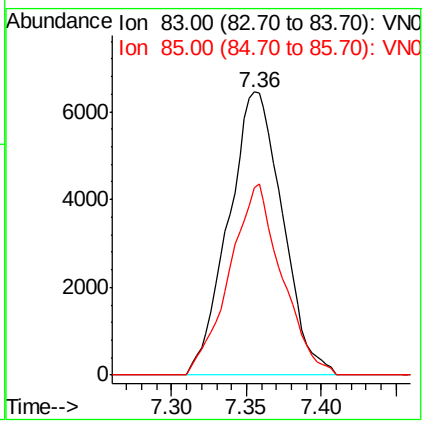


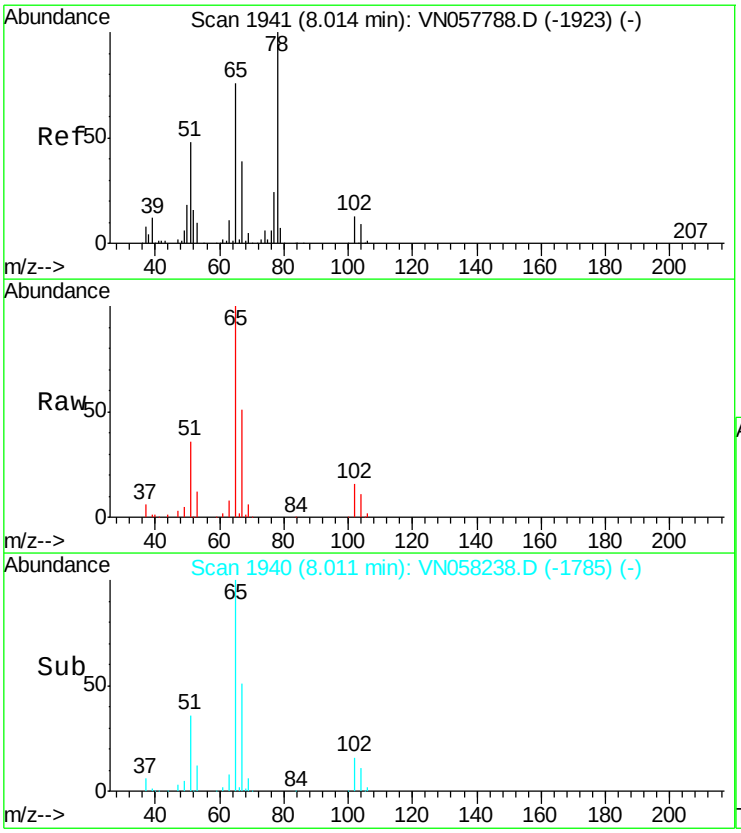
#25
Chloroform
Concen: 1.790 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 83 Resp: 16247

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6

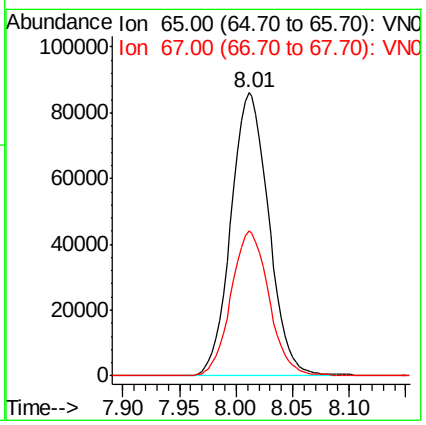


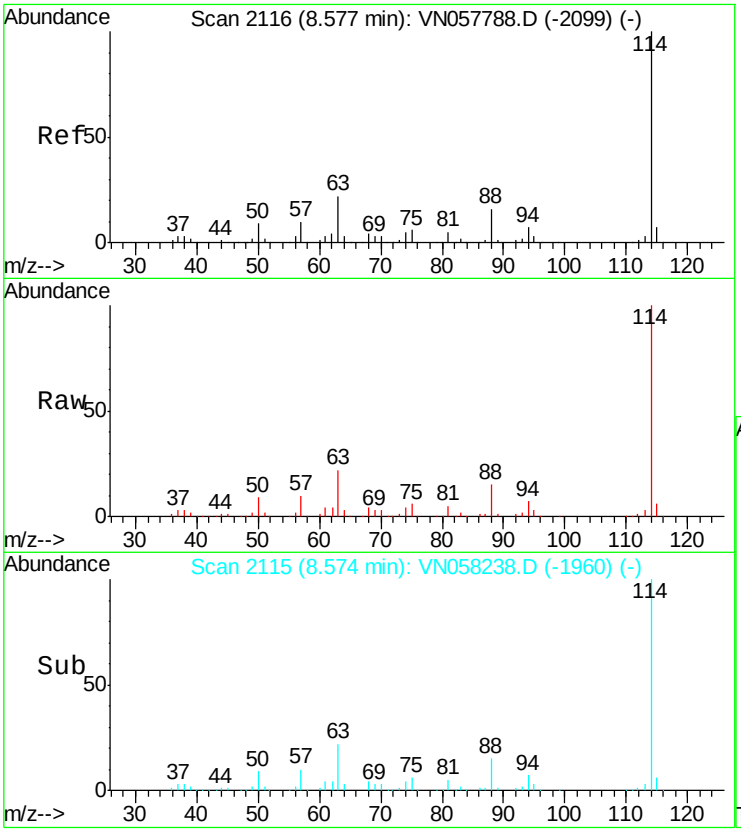


#27
1,2-Dichloroethane-d4
Concen: 31.709 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 65 Resp: 200248

Ion	Ratio	Lower	Upper
65	100		
67	51.1	40.9	61.3



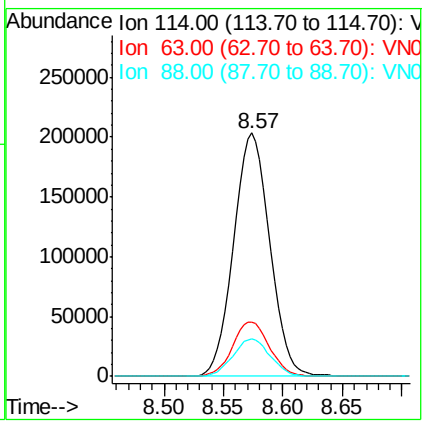


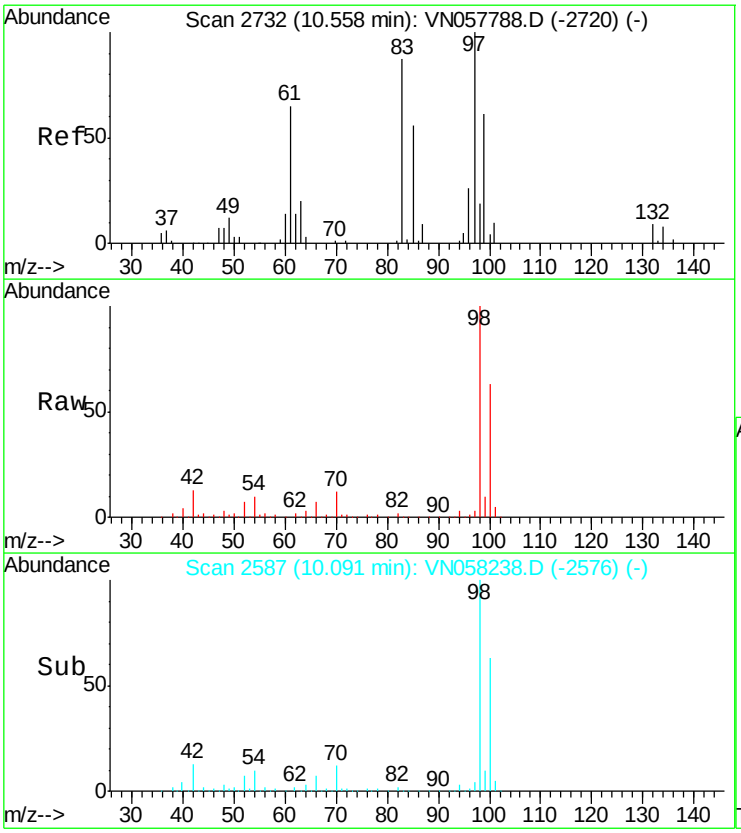
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:114 Resp: 429538

Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.0	27.0
88	15.9	12.6	19.0

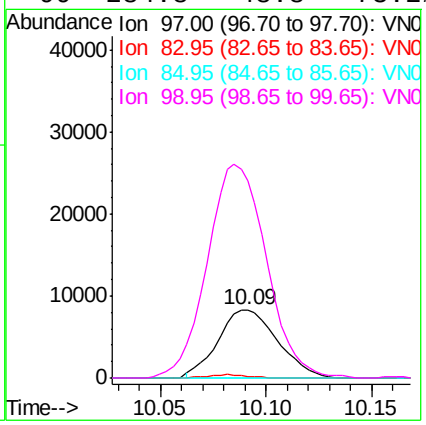


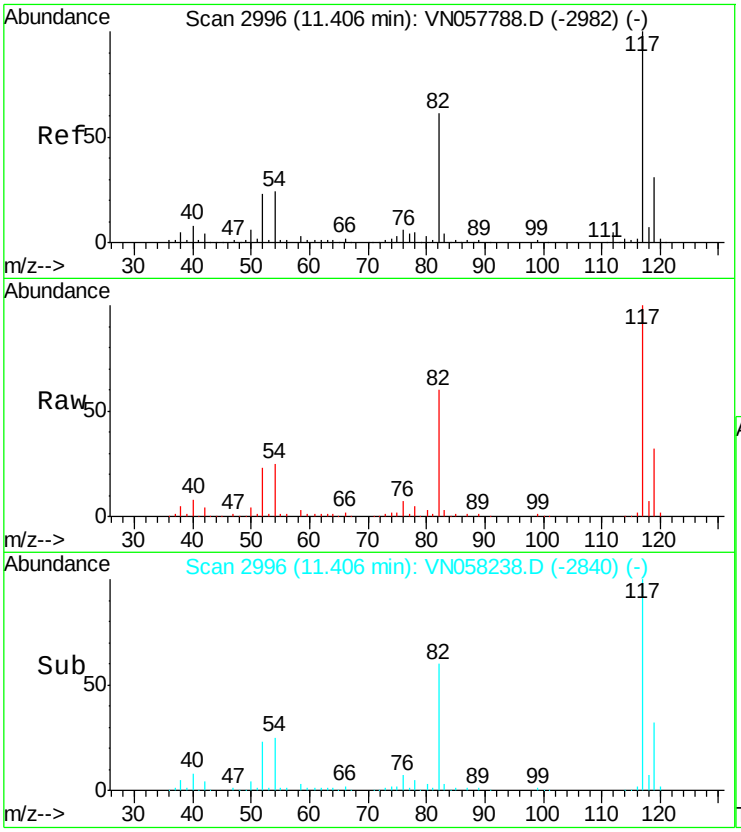


#50
1,1,2-Trichloroethane
Concen: 3.271 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.47 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 97 Resp: 16226

Ion	Ratio	Lower	Upper
97	100		
83	1.9	69.4	104.2#
85	0.0	45.0	67.6#
99	284.8	48.8	73.2#



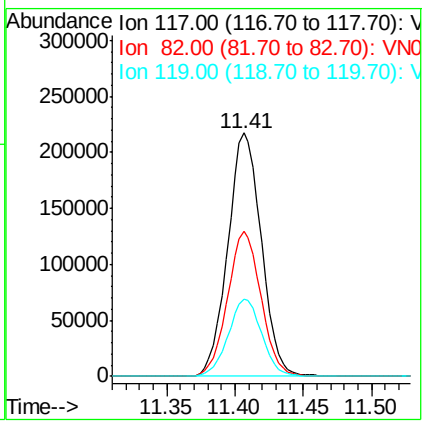


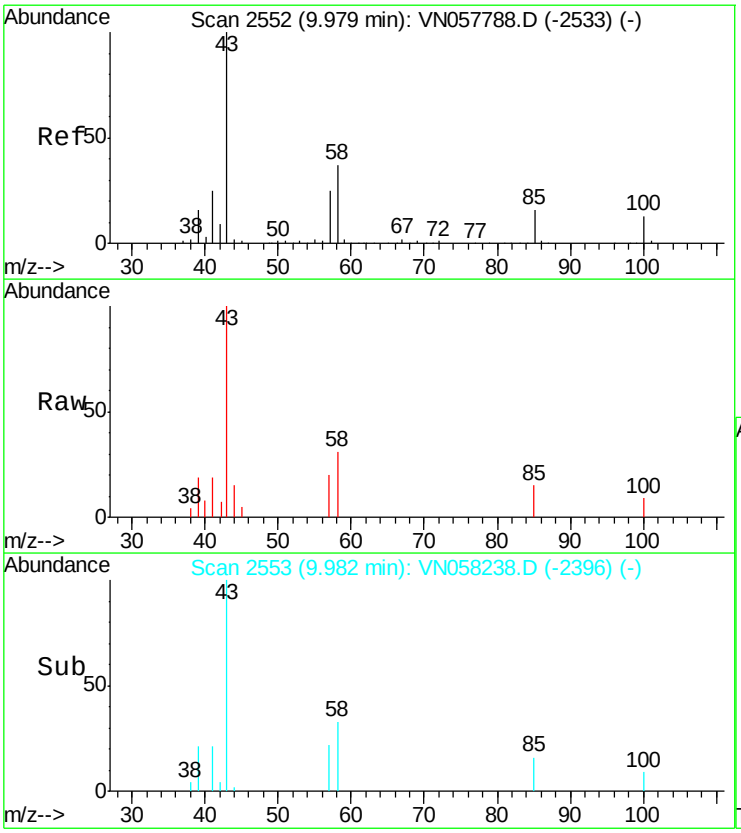
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:117 Resp: 370788

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.6	71.4
119	31.8	25.4	38.2

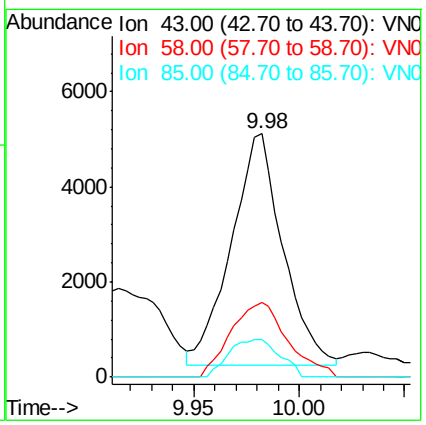


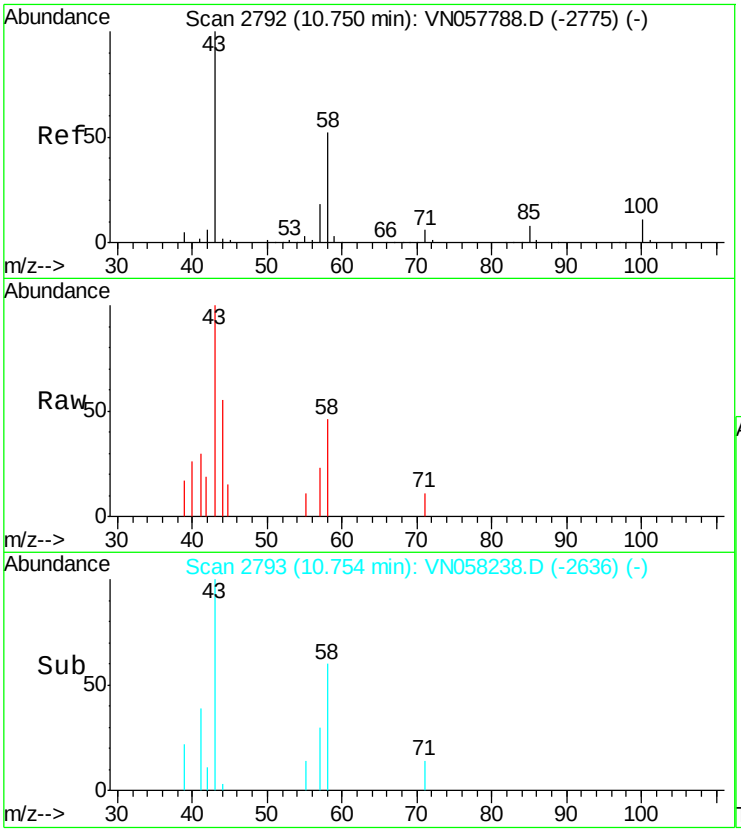


#58
4-Methyl-2-Pentanone
Concen: 1.441 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 43 Resp: 8286

Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.4	44.0
85	16.0	12.9	19.3



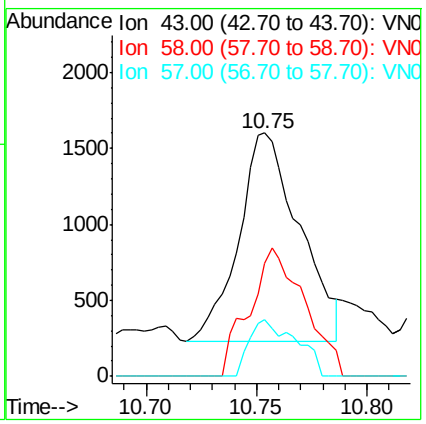


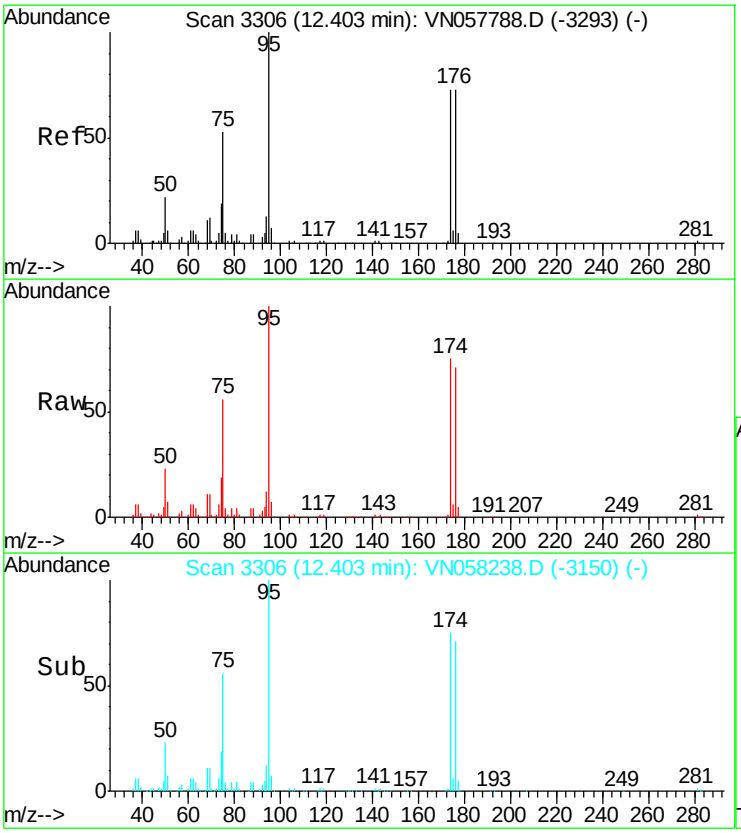
#59
2-Hexanone
Concen: 0.606 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 43 Resp: 2616

Ion	Ratio	Lower	Upper
43	100		
58	48.7	40.6	61.0
57	12.7	14.5	21.7#

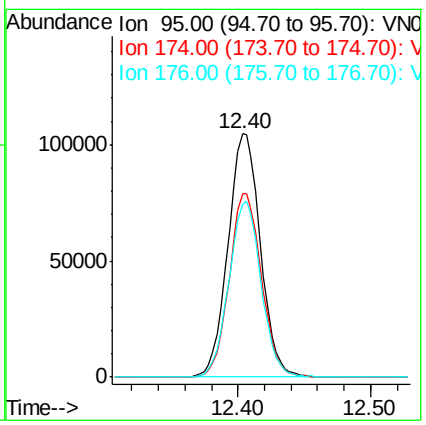


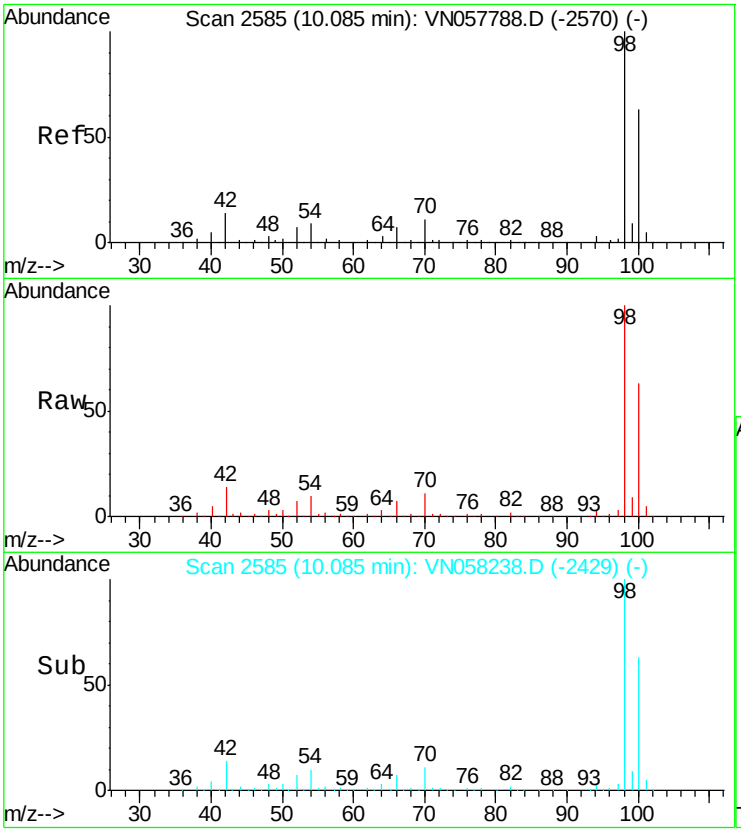


#60
4-Bromofluorobenzene
Concen: 27.936 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion: 95 Resp: 177252

Ion	Ratio	Lower	Upper
95	100		
174	74.8	59.4	89.0
176	71.6	57.4	86.0



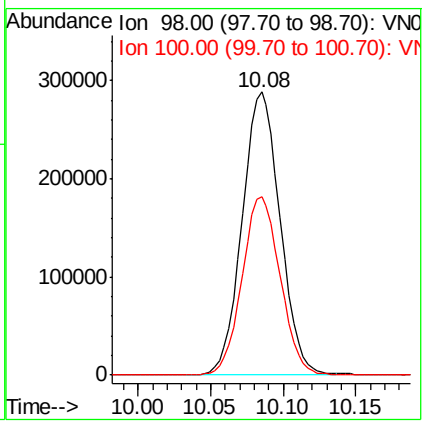


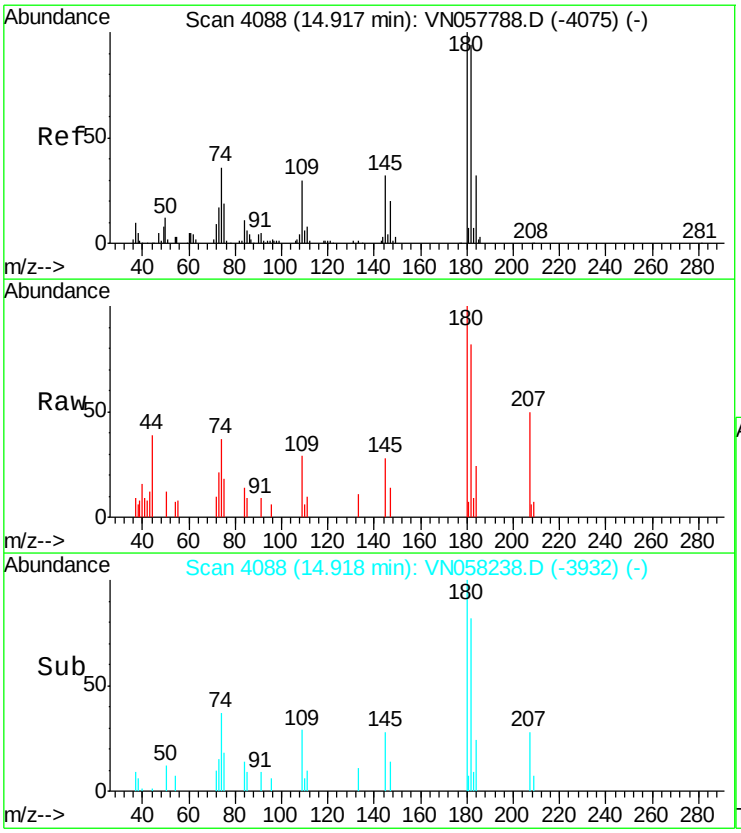
#63
Toluene-d8
Concen: 29.521 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument : MSVOA_N
ClientSampleId : EFF-WW

Tgt Ion: 98 Resp: 525381

Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.3	75.5

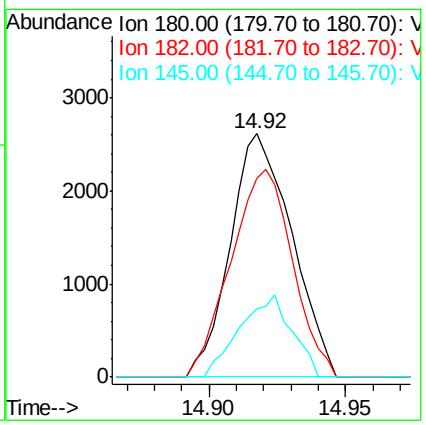


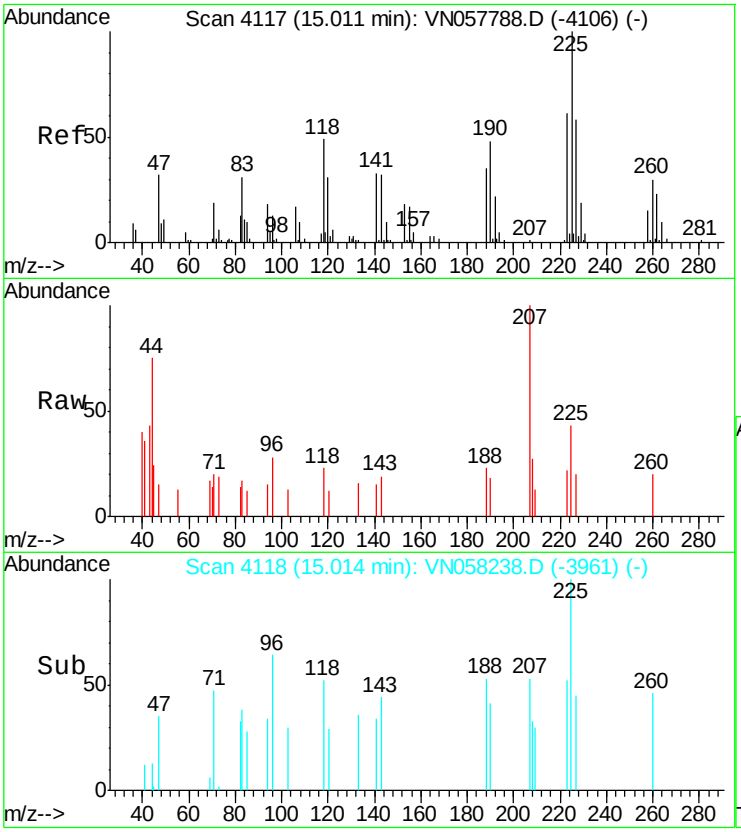


#89
1,2,4-Trichlorobenzene
Concen: 0.701 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion:180 Resp: 4100

Ion	Ratio	Lower	Upper
180	100		
182	85.0	77.0	115.4
145	28.5	26.1	39.1



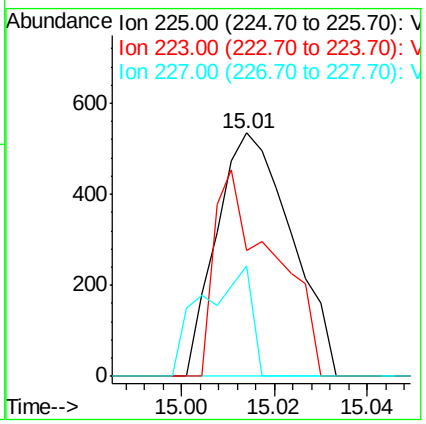


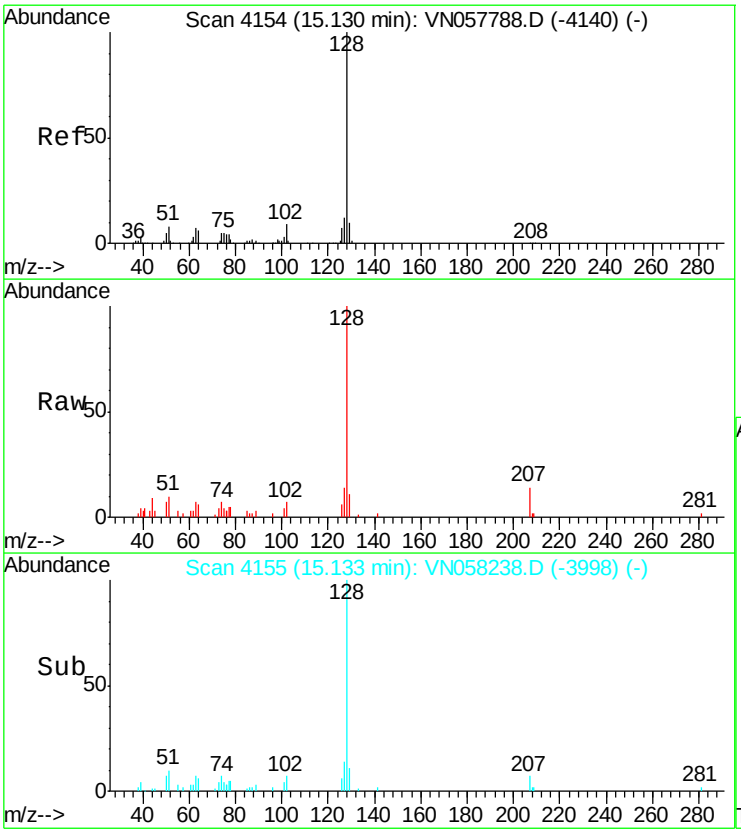
#90
Hexachlorobutadiene
Concen: 0.223 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:225 Resp: 599

Ion	Ratio	Lower	Upper
225	100		
223	35.7	0.0	125.0
227	14.2	0.0	123.8

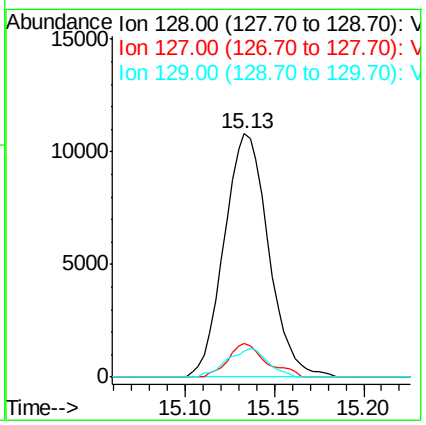


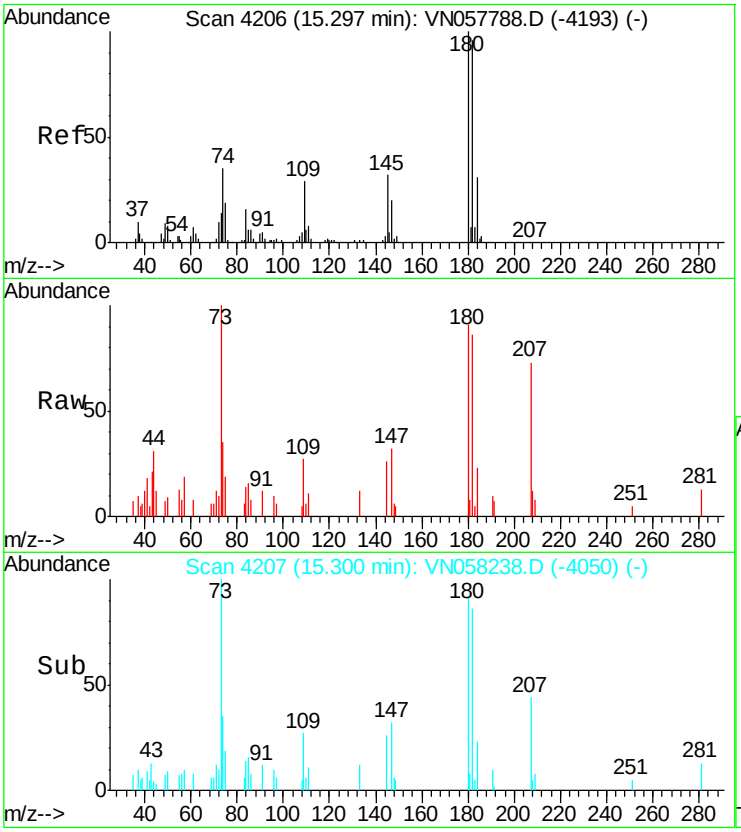


#91
Naphthalene
Concen: 1.164 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Tgt Ion:128 Resp: 18720

Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	10.6	8.1	12.1





#92
1,2,3-Trichlorobenzene
Concen: 0.858 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058238.D
Acq: 20 Sep 2019 10:36

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:180 Resp: 4781

Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	189.8
145	30.2	0.0	65.0