Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111318\
Data File : VN052280.D
Acq On : 13 Nov 2018 12:17
Operator : MD\SY
Sample : VN1113WBL02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Nov 14 00:01:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	47462	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	271542	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	229669	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	114732	32.57	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 108.57%			
60) 4-Bromofluorobenzene	12.40	95	96035	26.14	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 87.13%			
63) Toluene-d8	10.09	98	328026	30.37	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.23%			
Target Compounds						Qvalue
13) Acrolein	3.66	56	102	0.435	ug/l	96
15) Acetone	4.12	58	64	0.276	ug/l #	1
23) tert-Butyl Alcohol	4.77	59	110	0.721	ug/l #	11
30) 2-Butanone	6.84	43	374	0.326	ug/l #	73
51) Ethyl methacrylate	10.10	69	1160	0.328	ug/l	81
56) Bromoform	12.40	173	440	0.258	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	52538	19.797	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	52538	63.271	ug/l #	9
91) Naphthalene	15.13	128	1041	0.218	ug/l #	84

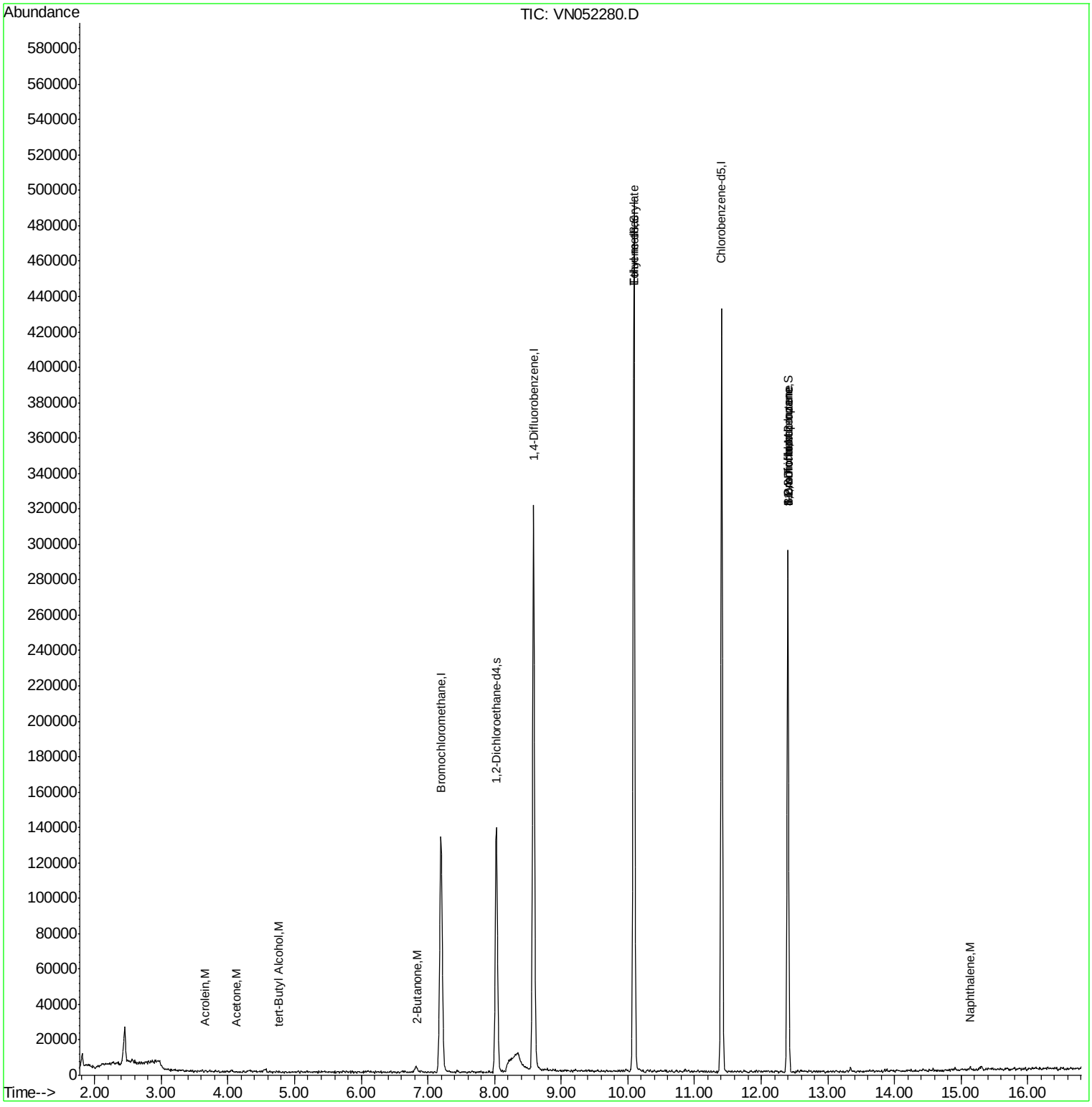
(#) = qualifier out of range (m) = manual integration (+) = signals summed

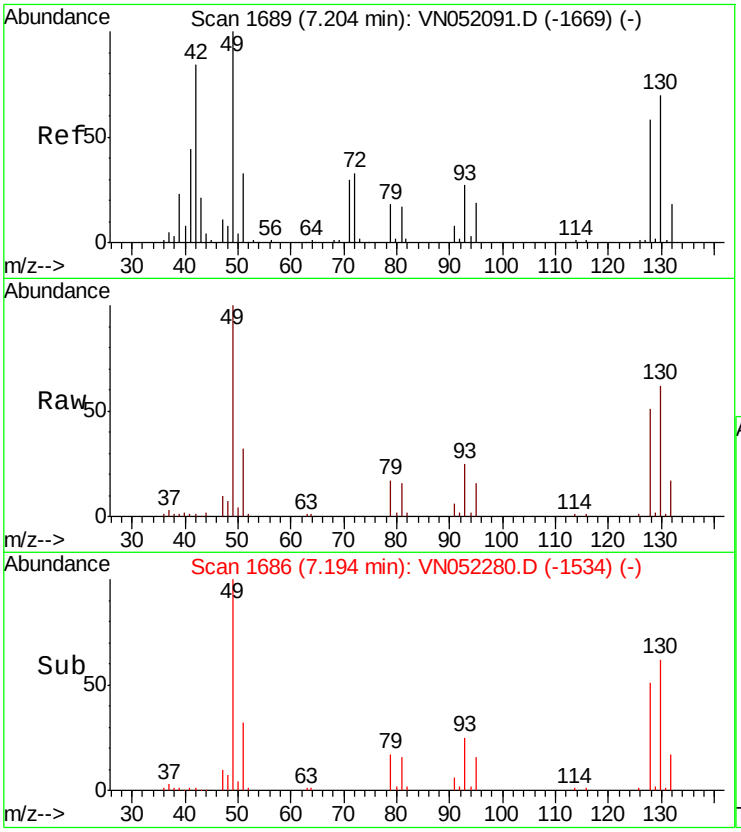
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111318\
Data File : VN052280.D
Acq On : 13 Nov 2018 12:17
Operator : MD\SY
Sample : VN1113WBL02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 14 00:01:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration



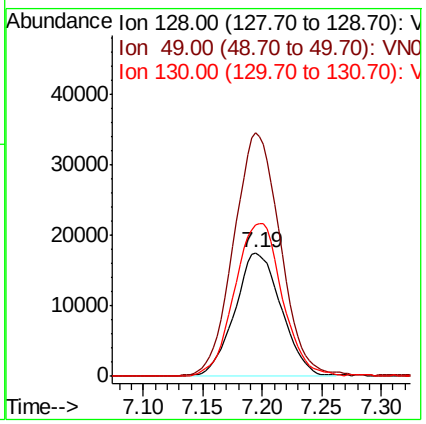


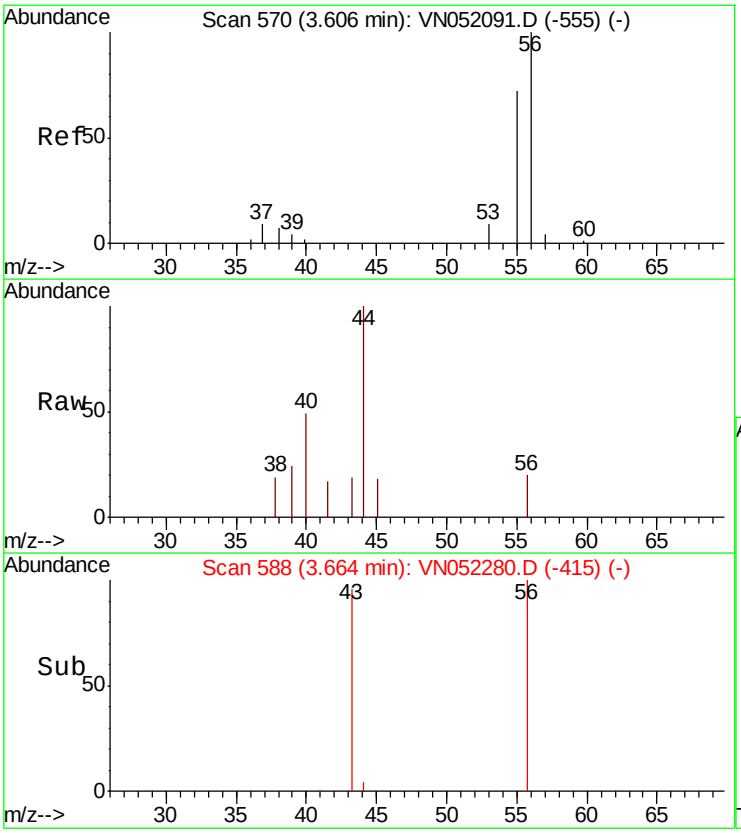
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 47462

Ion	Ratio	Lower	Upper
128	100		
49	196.7	0.0	453.7
130	126.8	0.0	308.8

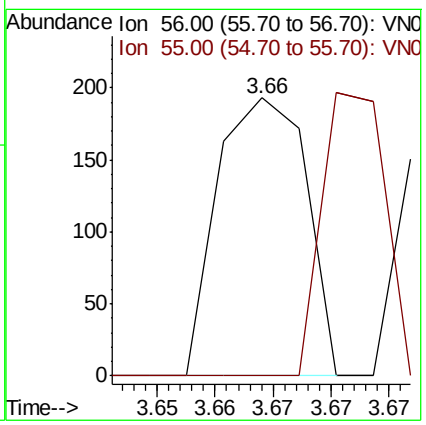


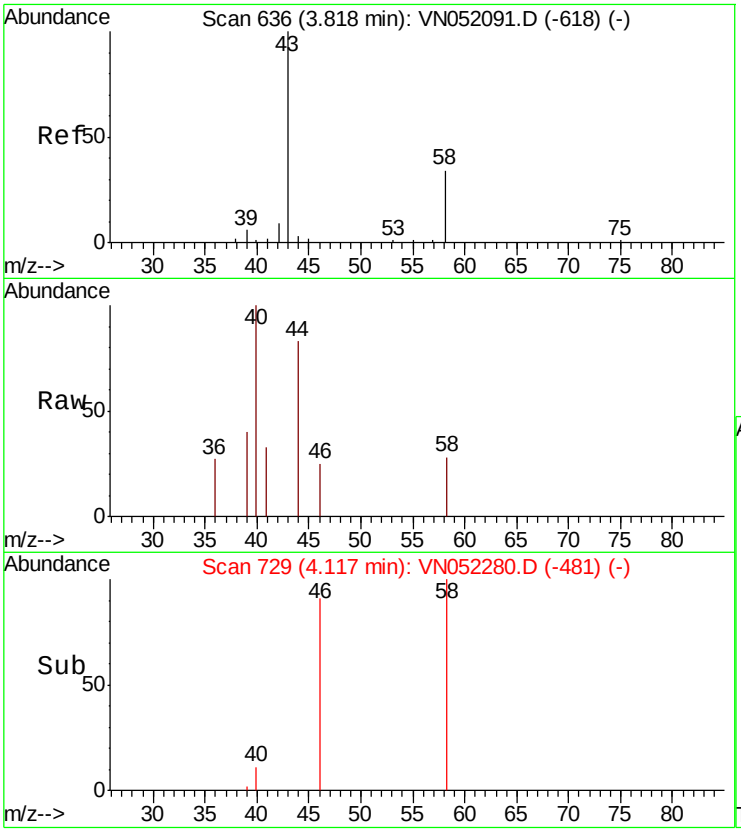


#13
Acrolein
Concen: 0.435 ug/l
RT: 3.66 min Scan# 588
Delta R.T. 0.06 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion: 56 Resp: 102

Ion	Ratio	Lower	Upper
56	100		
55	73.5	56.2	84.2



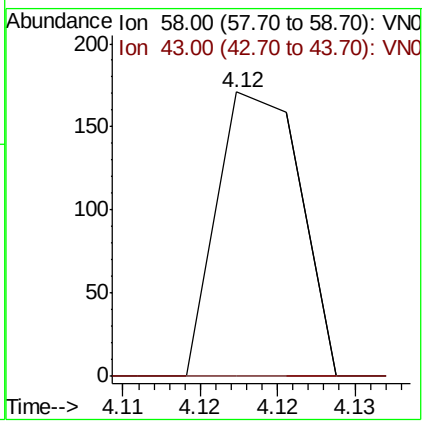


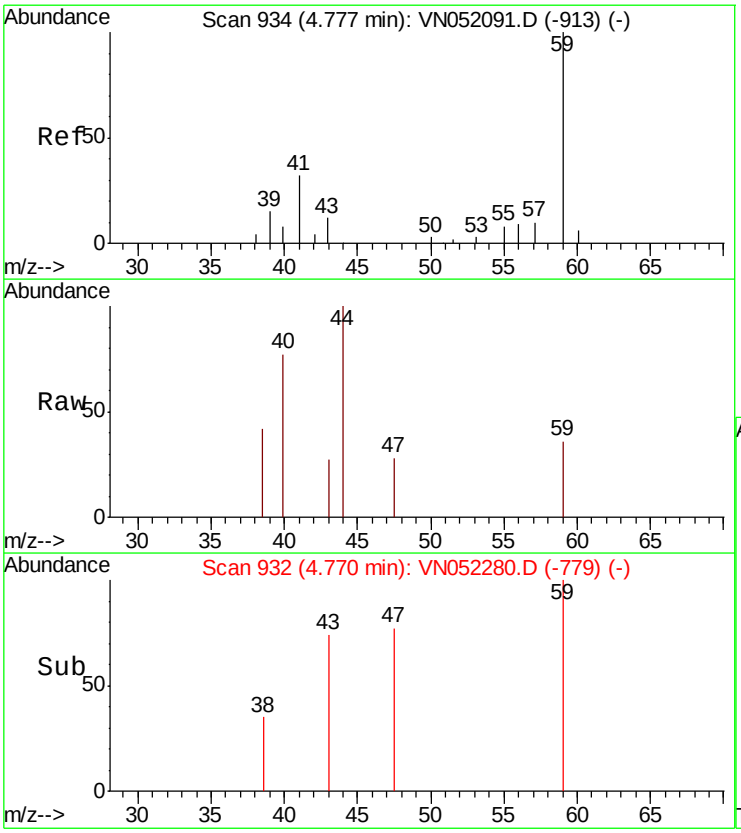
#15
Acetone
Concen: 0.276 ug/l
RT: 4.12 min Scan# 729
Delta R.T. 0.30 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 58 Resp: 64

Ion	Ratio	Lower	Upper
58	100		
43	0.0	234.7	352.1#

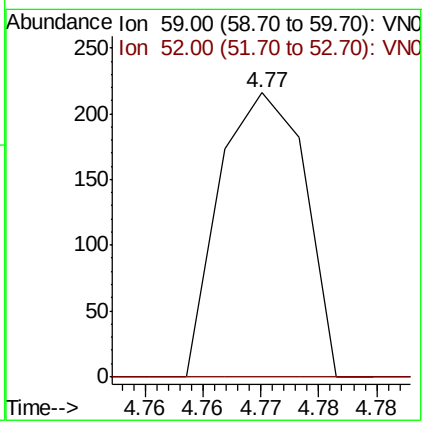


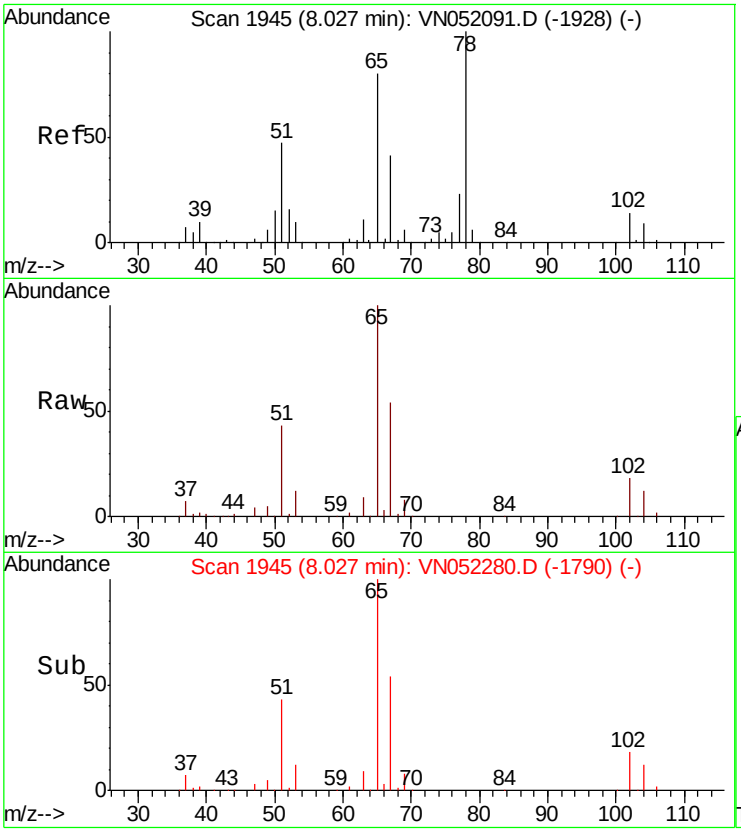


#23
tert-Butyl Alcohol
Concen: 0.721 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion: 59 Resp: 110

Ion	Ratio	Lower	Upper
59	100		
52	67.3	0.3	0.5#



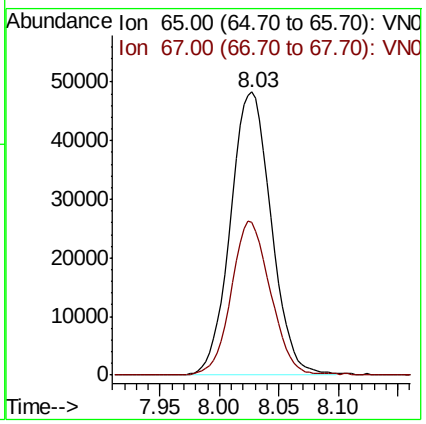


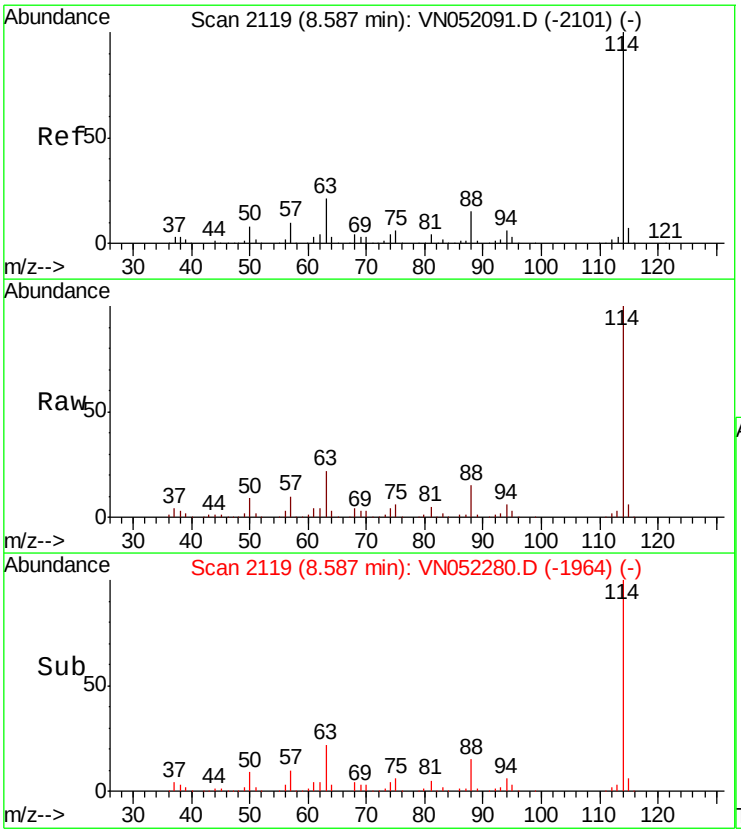
#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 114732

Ion	Ratio	Lower	Upper
65	100		
67	52.2	42.6	64.0

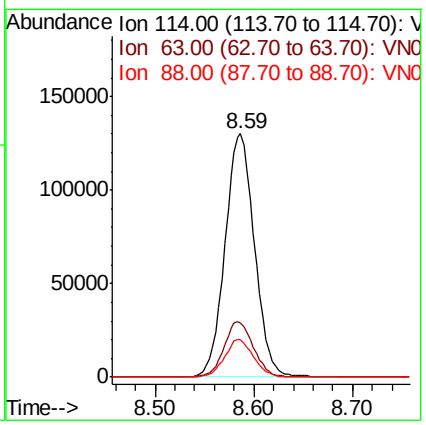


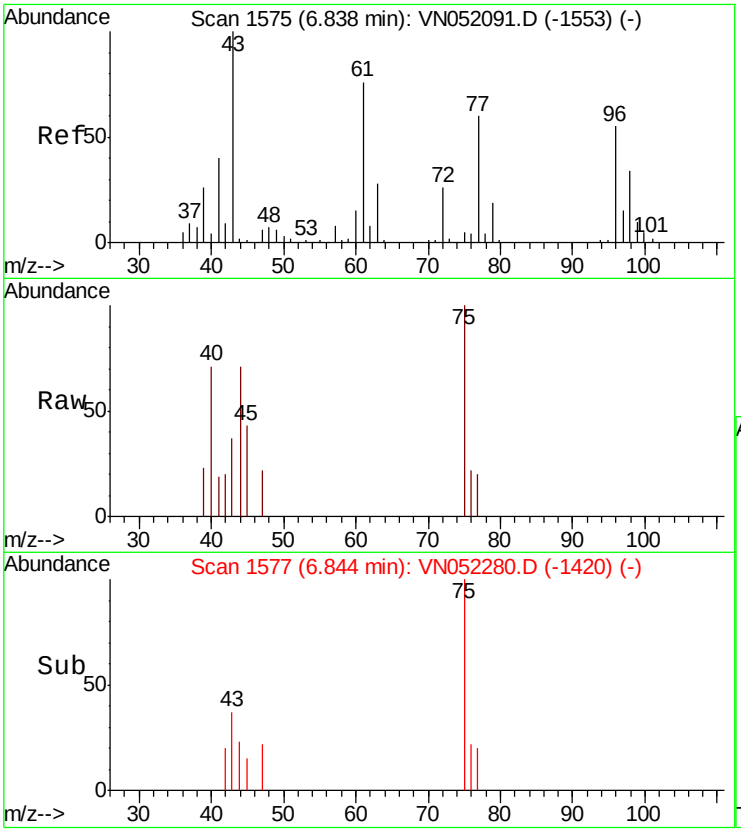


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion:114 Resp: 271542

Ion	Ratio	Lower	Upper
114	100		
63	22.8	17.5	26.3
88	15.3	12.6	18.8



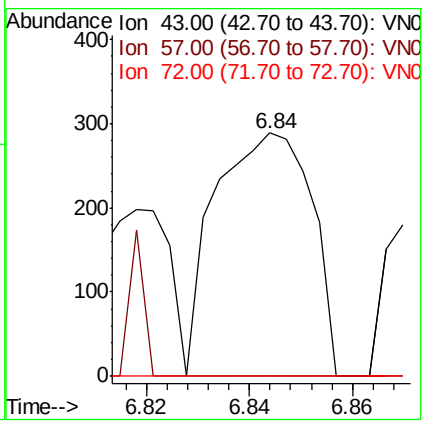


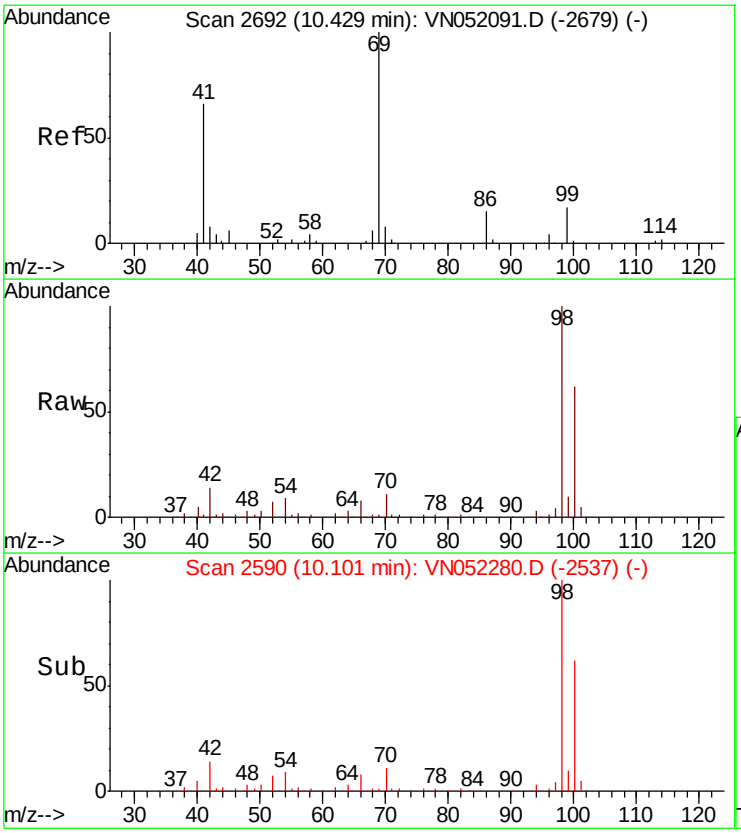
#30
2-Butanone
Concen: 0.326 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 374

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.6	9.8#
72	0.0	9.2	13.8#

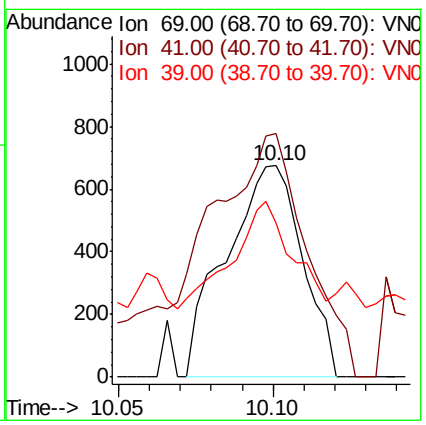


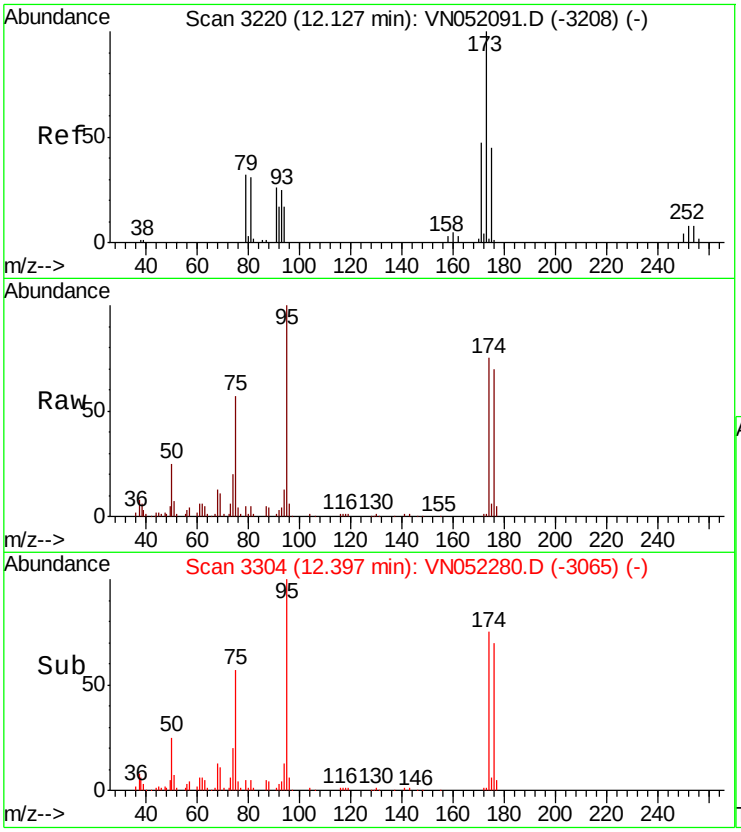


#51
Ethyl methacrylate
Concen: 0.328 ug/l
RT: 10.10 min Scan# 2590
Delta R.T. -0.33 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion: 69 Resp: 1160

Ion	Ratio	Lower	Upper
69	100		
41	86.1	33.0	99.0
39	35.9	20.7	62.1



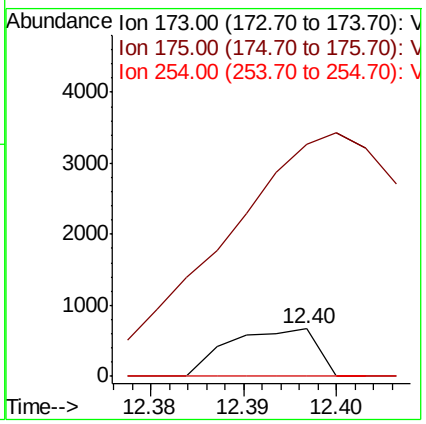


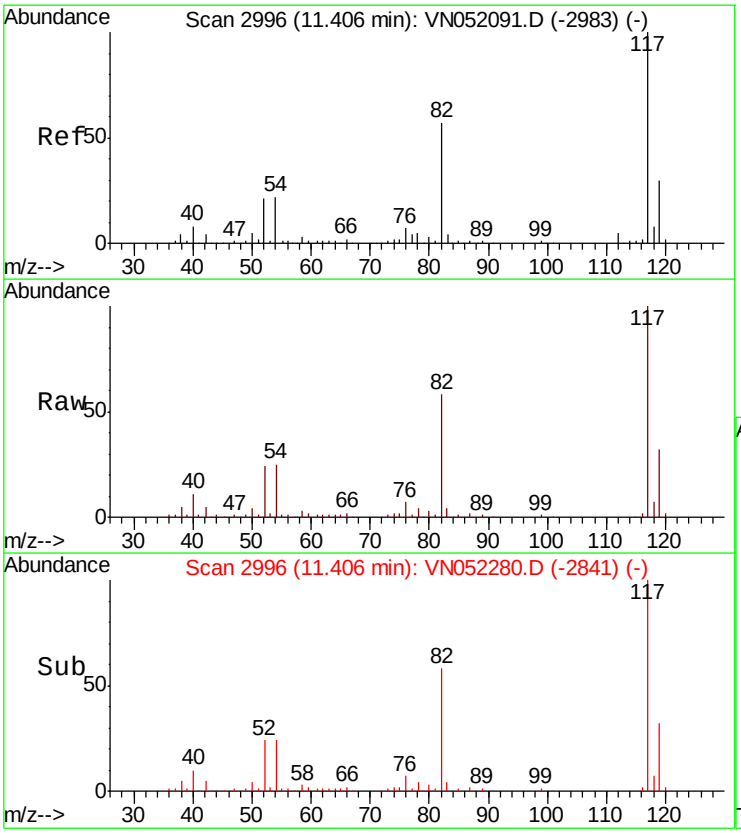
#56
Bromoform
Concen: 0.258 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:173 Resp: 440

Ion	Ratio	Lower	Upper
173	100		
175	1288.0	37.3	55.9#
254	0.0	7.0	10.6#

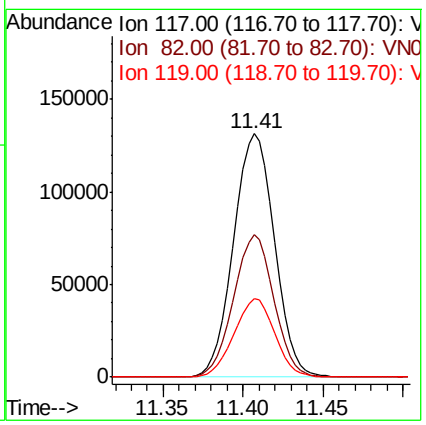


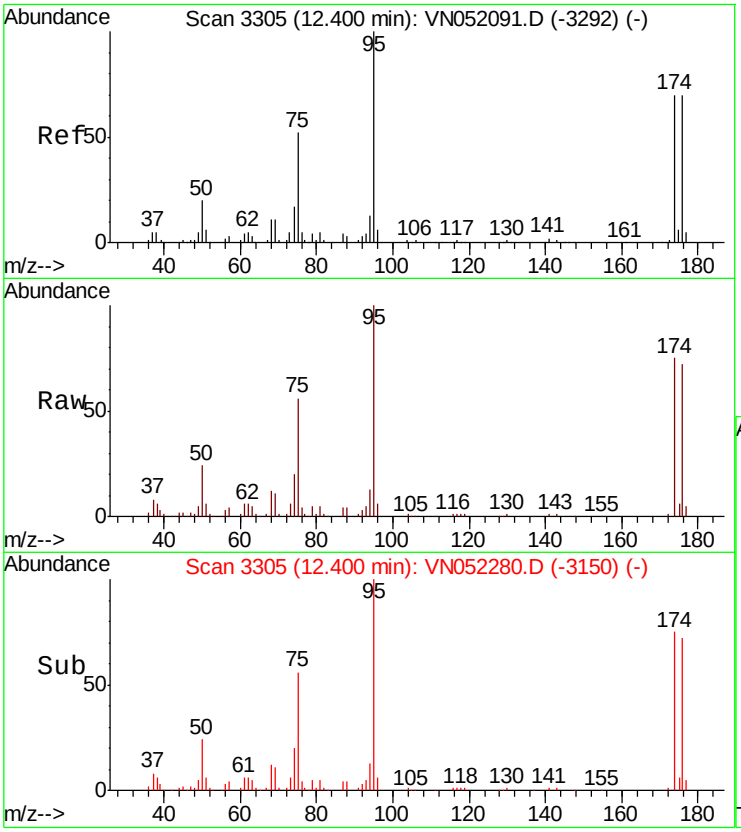


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion:117 Resp: 229669

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.0	67.6
119	32.1	24.2	36.4



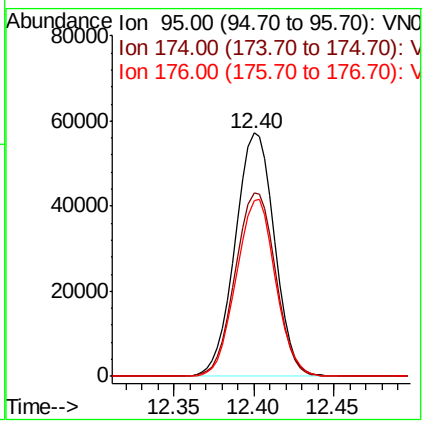


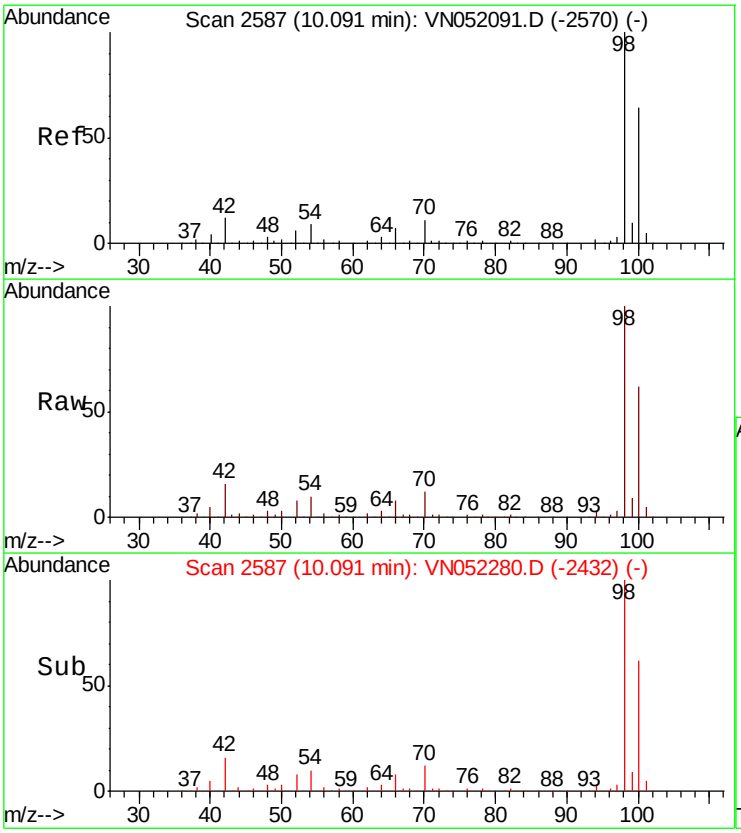
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 96035

Ion	Ratio	Lower	Upper
95	100		
174	77.1	55.0	82.6
176	72.5	54.2	81.4

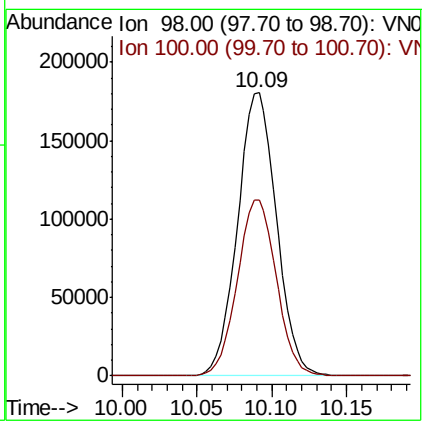


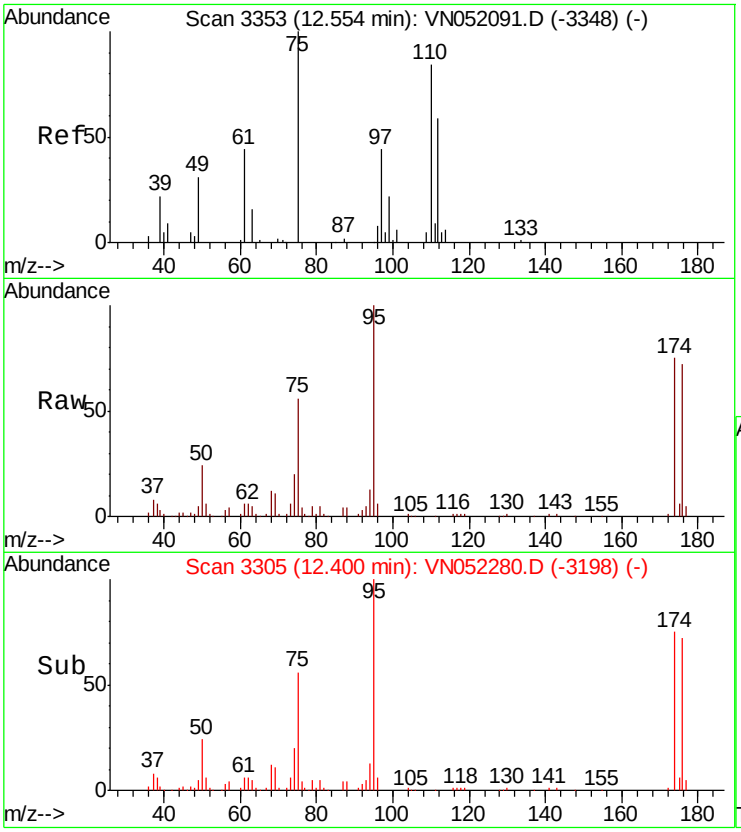


#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion: 98 Resp: 328026

Ion	Ratio	Lower	Upper
98	100		
100	62.1	50.7	76.1



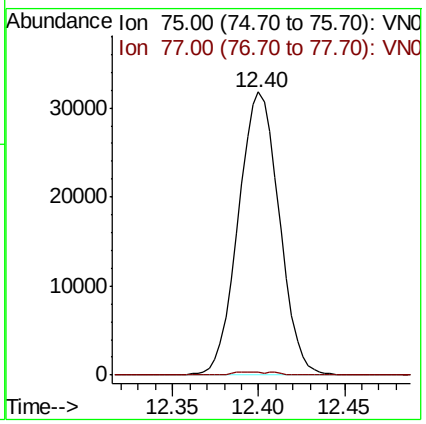


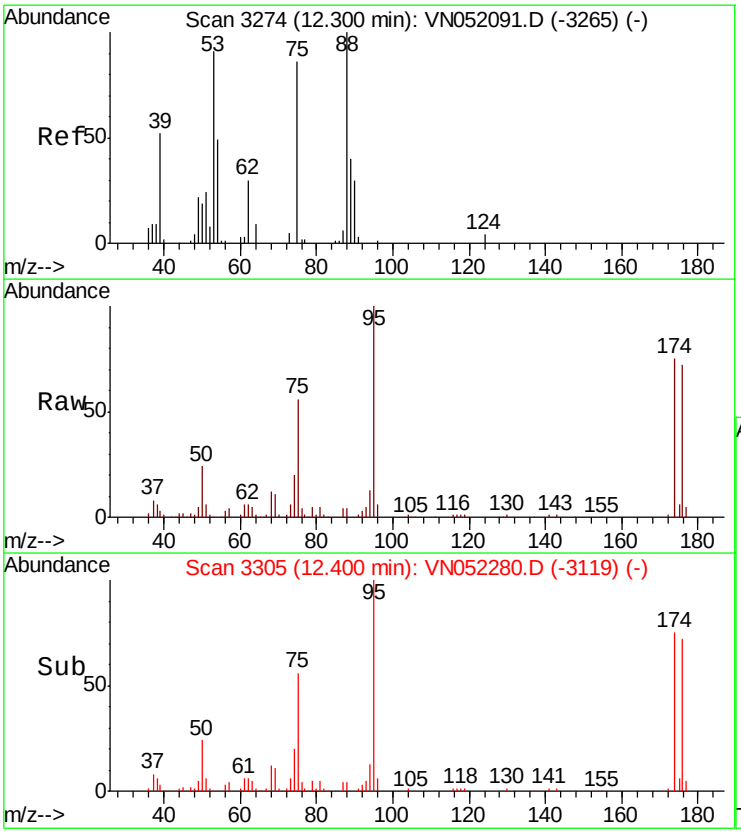
#72
1,2,3-Trichloropropane
Concen: 19.797 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 52538

Ion	Ratio	Lower	Upper
75	100		
77	0.8	0.0	481.8

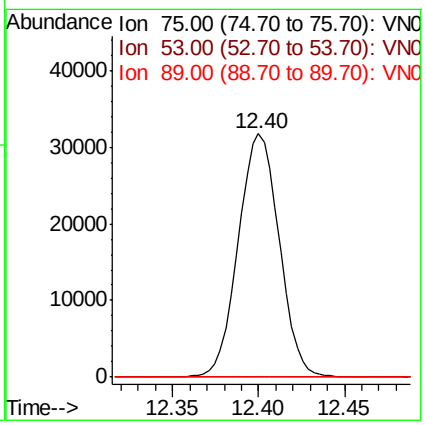


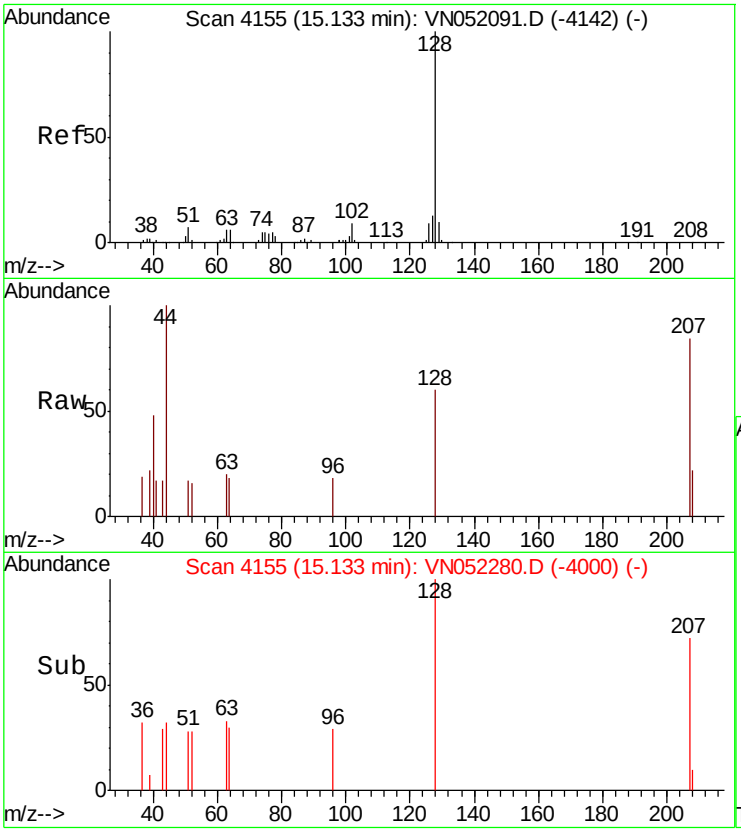


#77
t-1,4-Dichloro-2-butene
Concen: 63.271 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Tgt Ion: 75 Resp: 52538

Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.7	152.1#
89	0.0	23.8	71.5#





#91
Naphthalene
Concen: 0.218 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052280.D
Acq: 13 Nov 2018 12:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1041

Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.4	15.6#
129	0.0	8.3	12.5#