Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102418\
Data File : VN051981.D
Acq On : 24 Oct 2018 12:14
Operator : MD\SY
Sample : J5643-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Oct 24 14:31:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	162052	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	909255	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	796921	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	287491	29.16	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 97.20%				
60) 4-Bromofluorobenzene	12.40	95	298351	25.96	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 86.53%				
63) Toluene-d8	10.09	98	1019903	29.47	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.23%				
Target Compounds							Qvalue
12) Methyl Acetate	4.34	43	79721	17.207	ug/l		93
13) Acrolein	3.61	56	90	0.295	ug/l	#	1
15) Acetone	3.82	58	107547	210.104	ug/l		97
16) Carbon Disulfide	4.06	76	5079	0.259	ug/l	#	76
25) Chloroform	7.37	83	599766	36.675	ug/l		96
30) 2-Butanone	6.84	43	61375	25.054	ug/l	#	89
41) Bromodichloromethane	9.41	83	44521	3.557	ug/l		97
45) 1,4-Dioxane	9.25	88	61	0.715	ug/l	#	1
56) Bromoform	12.40	173	2913	0.426	ug/l	#	1
69) Styrene	11.96	104	25418	0.947	ug/l	#	87
77) t-1,4-Dichloro-2-butene	12.40	75	147509	61.561	ug/l	#	12
89) 1,2,4-Trichlorobenzene	14.91	180	3175	7.971	ug/l		94
91) Naphthalene	15.13	128	8547	8.851	ug/l	#	93
92) 1,2,3-Trichlorobenzene	15.31	180	3509	0.391	ug/l		86

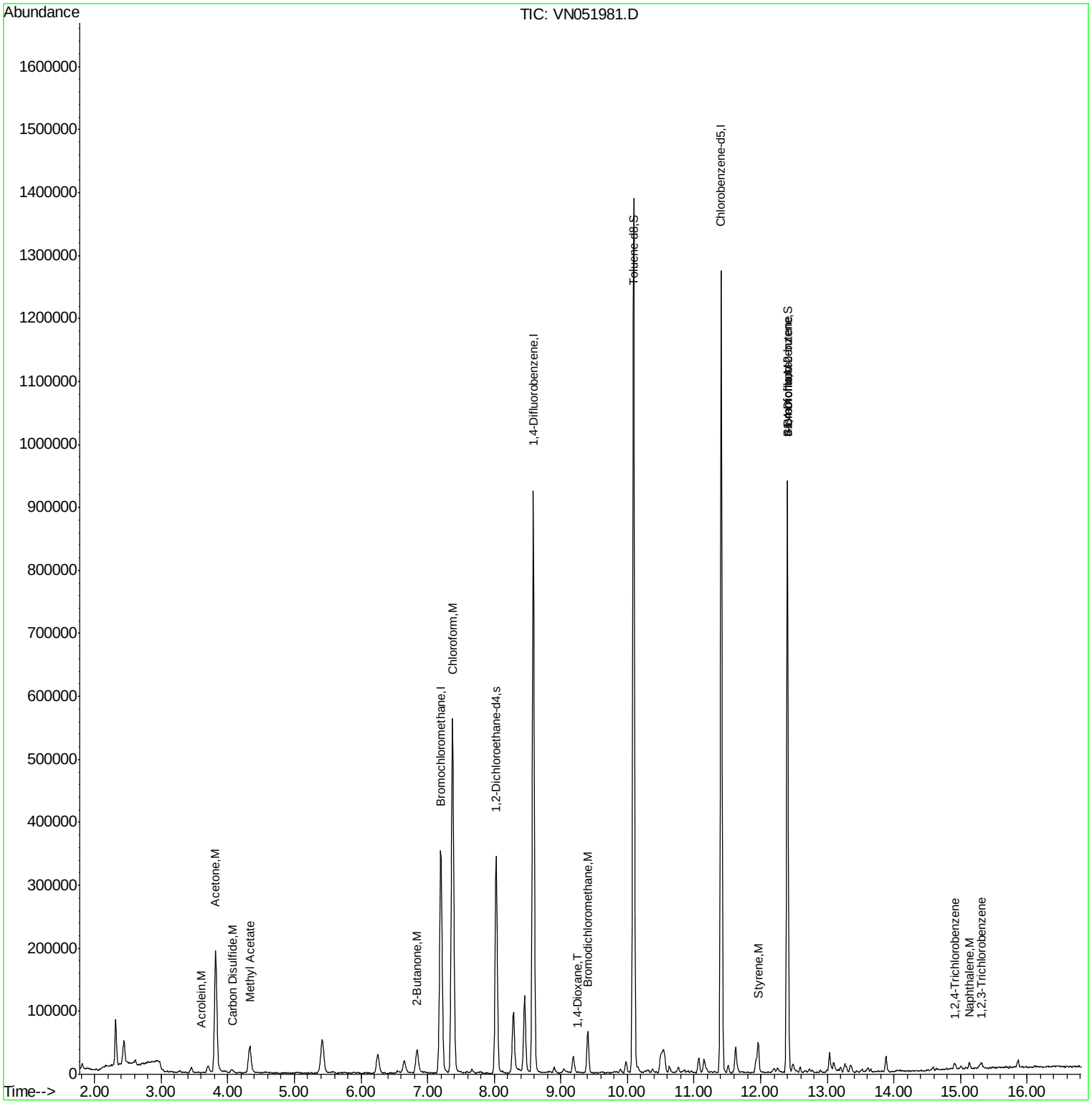
(#) = qualifier out of range (m) = manual integration (+) = signals summed

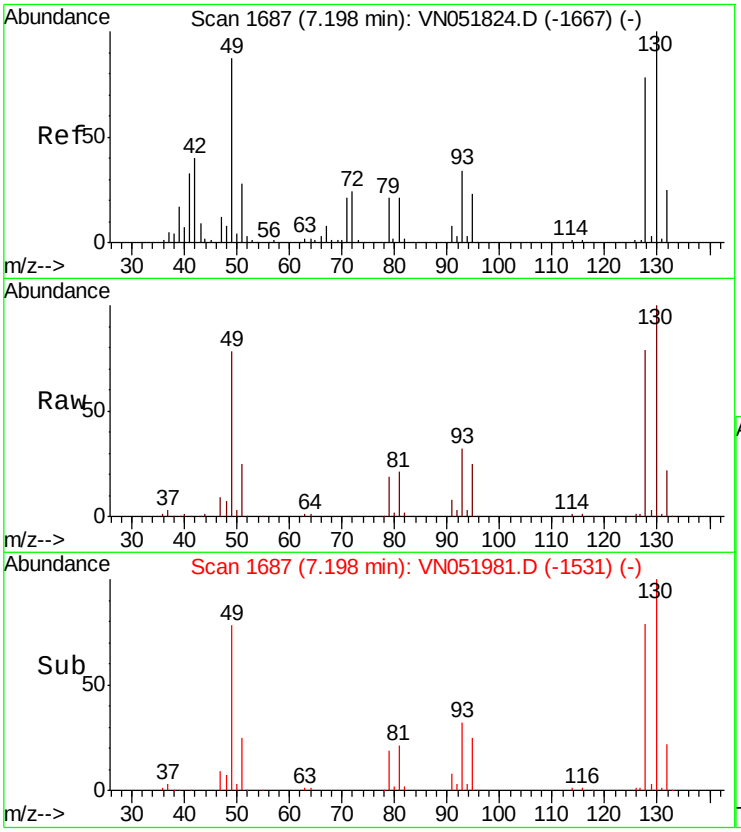
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102418\
Data File : VN051981.D
Acq On : 24 Oct 2018 12:14
Operator : MD\SY
Sample : J5643-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 24 14:31:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration



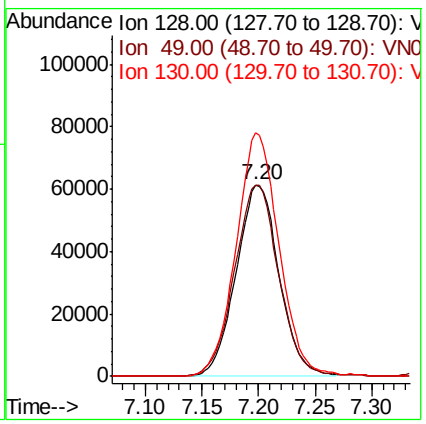


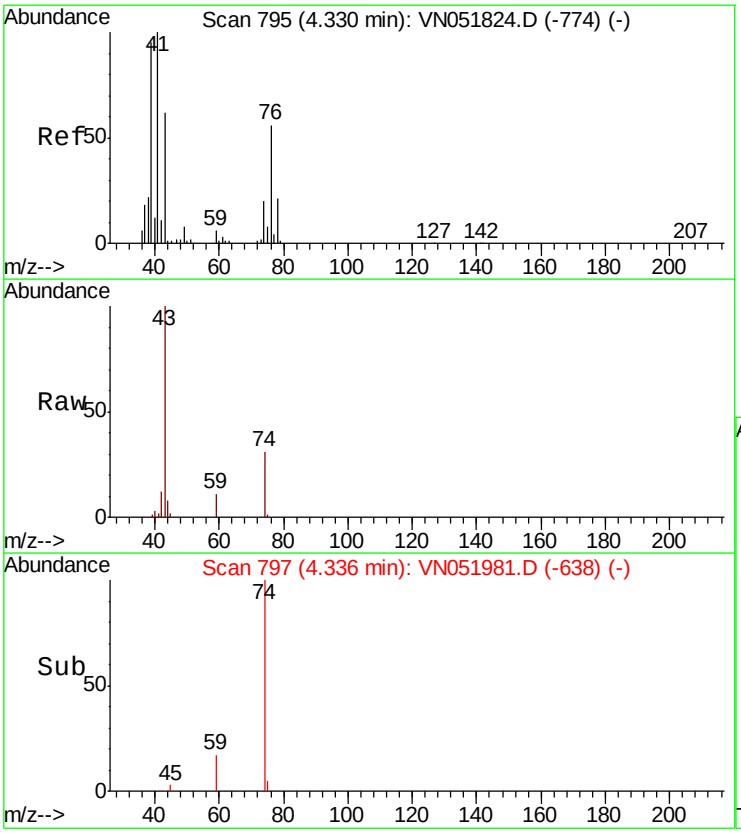
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 162052

Ion	Ratio	Lower	Upper
128	100		
49	103.2	0.0	403.3
130	126.9	0.0	326.0

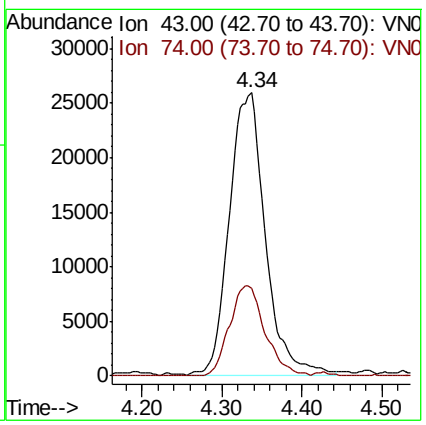


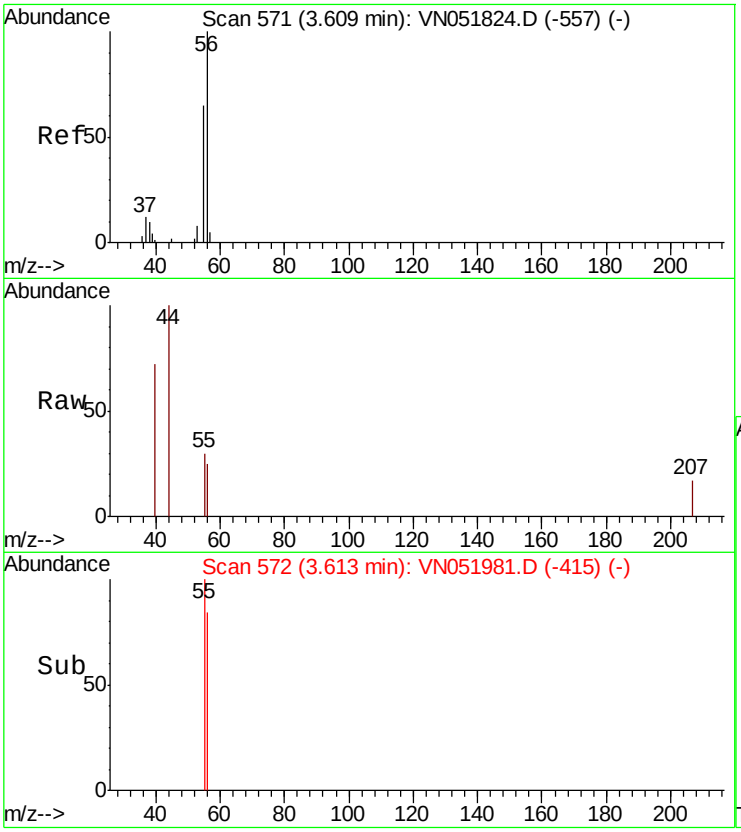


#12
Methyl Acetate
Concen: 17.207 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 43 Resp: 79721

Ion	Ratio	Lower	Upper
43	100		
74	30.7	21.8	32.6



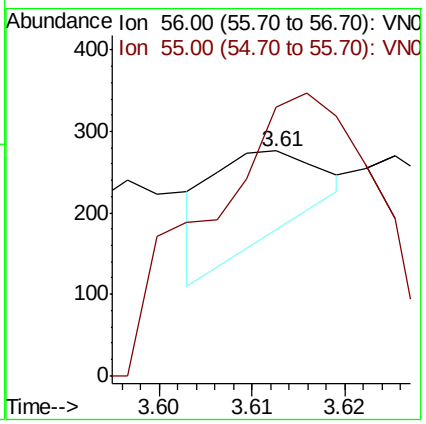


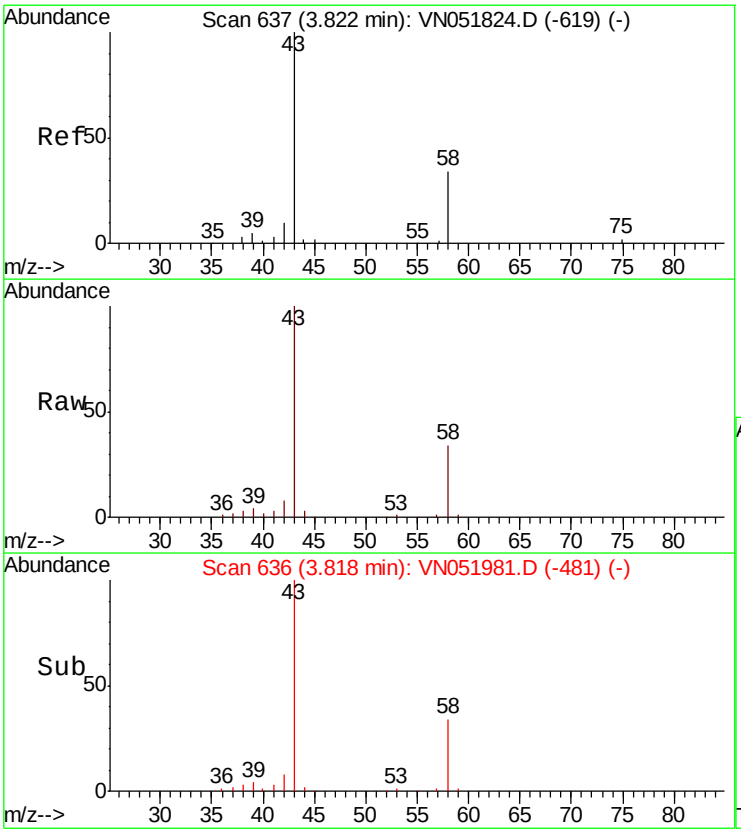
#13
Acrolein
Concen: 0.295 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 90

Ion	Ratio	Lower	Upper
56	100		
55	403.3	64.0	96.0#

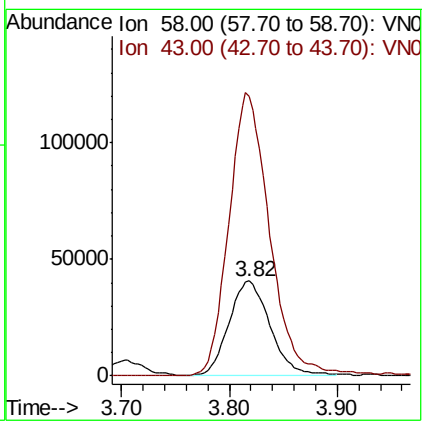


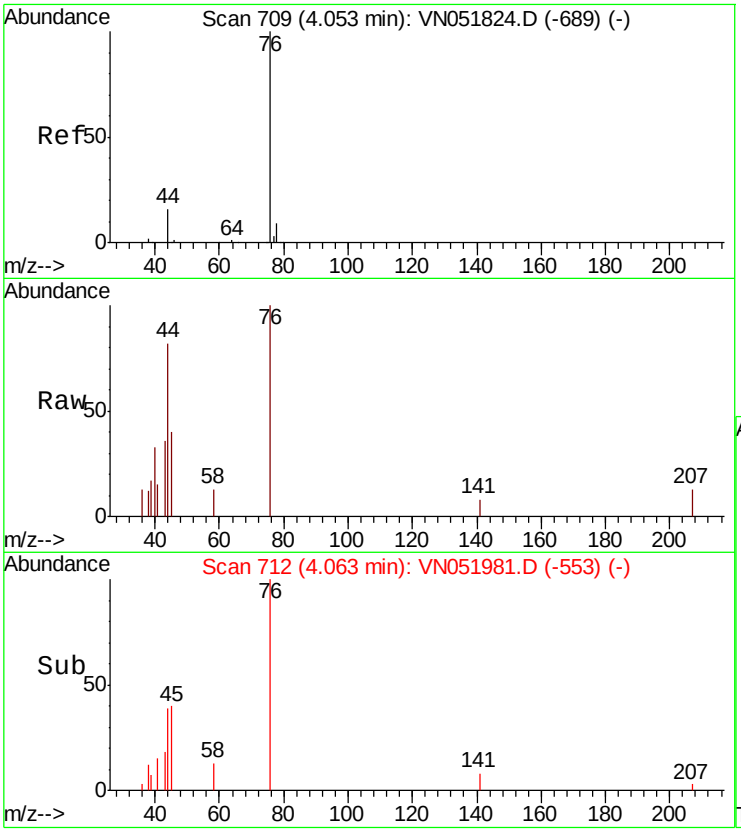


#15
Acetone
Concen: 210.104 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 58 Resp: 107547

Ion	Ratio	Lower	Upper
58	100		
43	295.7	232.2	348.2



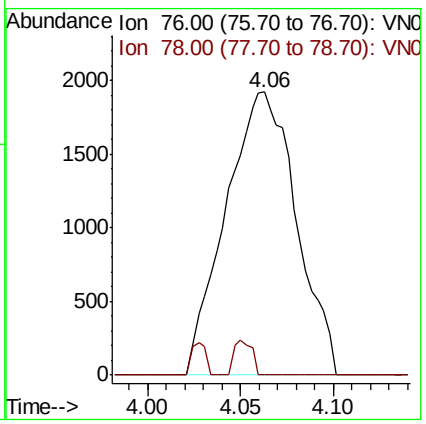


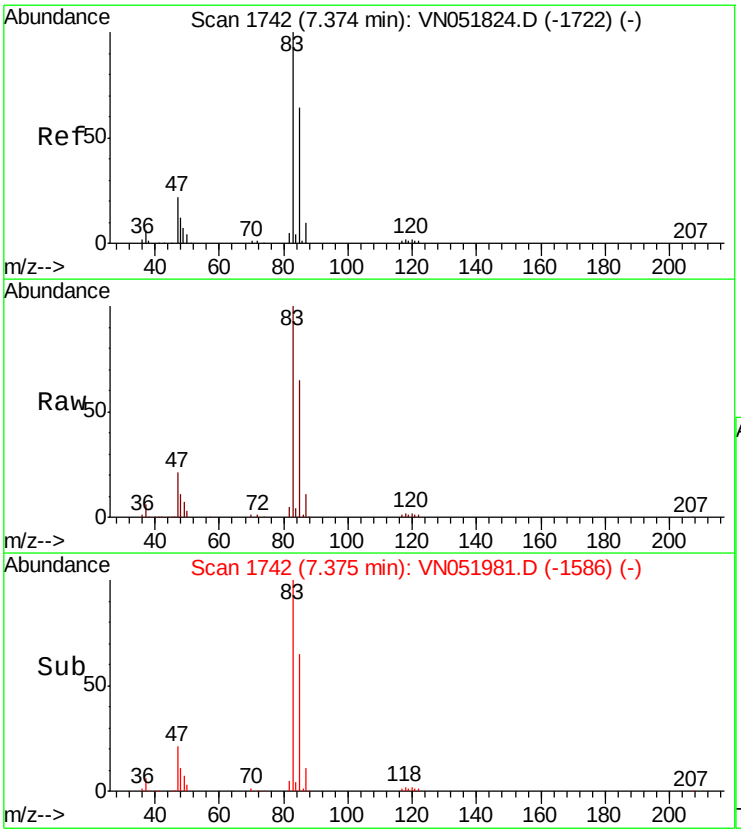
#16
Carbon Disulfide
Concen: 0.259 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 76 Resp: 5079

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.7	10.1#

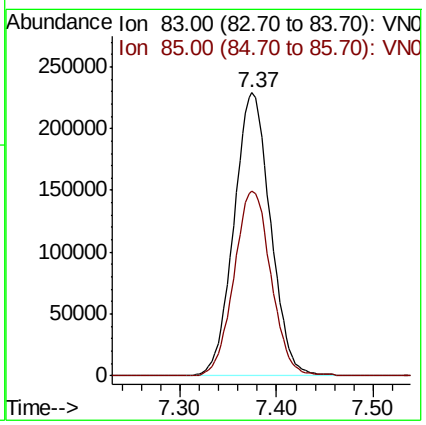


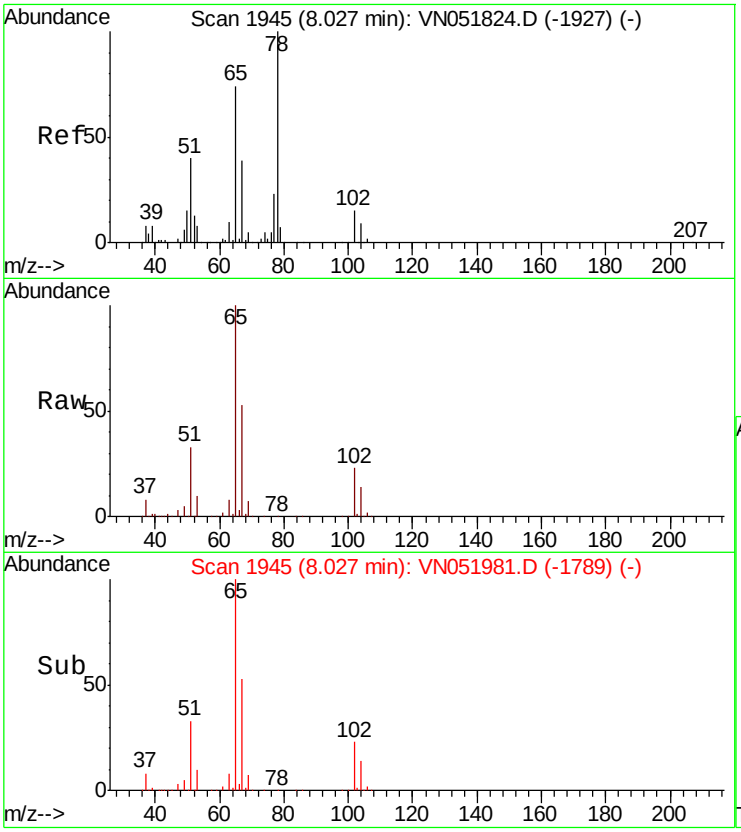


#25
Chloroform
Concen: 36.675 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 83 Resp: 599766

Ion	Ratio	Lower	Upper
83	100		
85	65.4	54.6	82.0



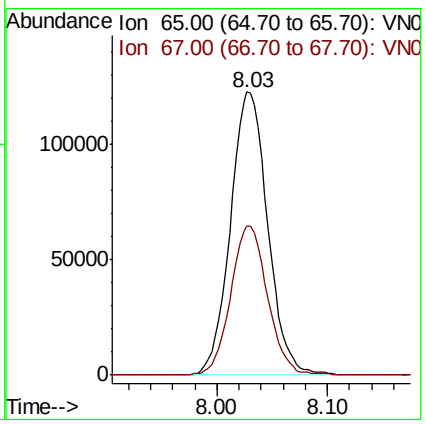


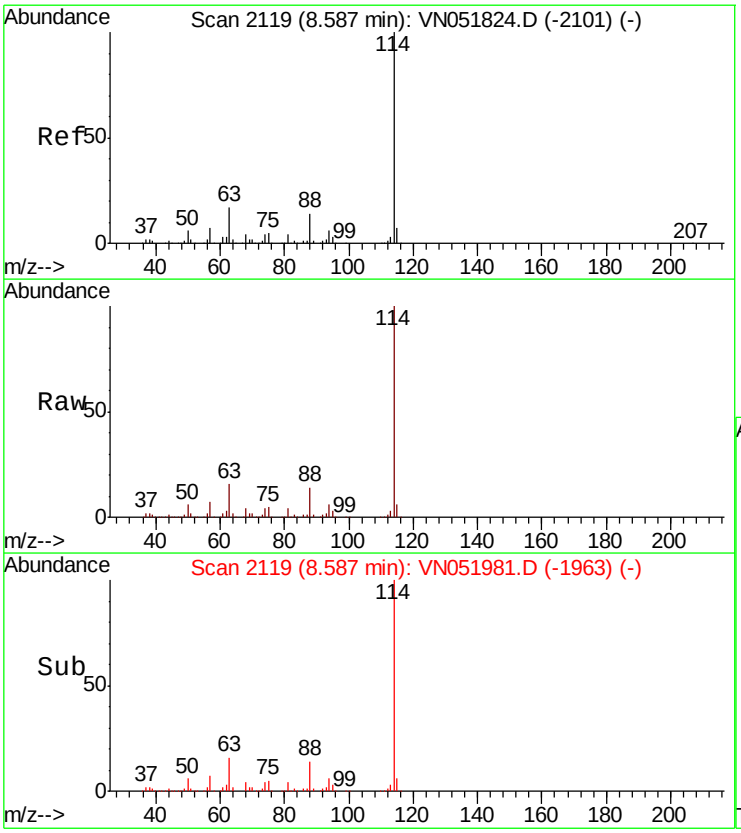
#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 287491

Ion	Ratio	Lower	Upper
65	100		
67	52.1	41.8	62.8

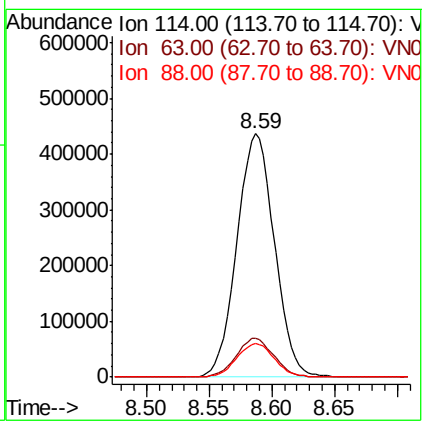


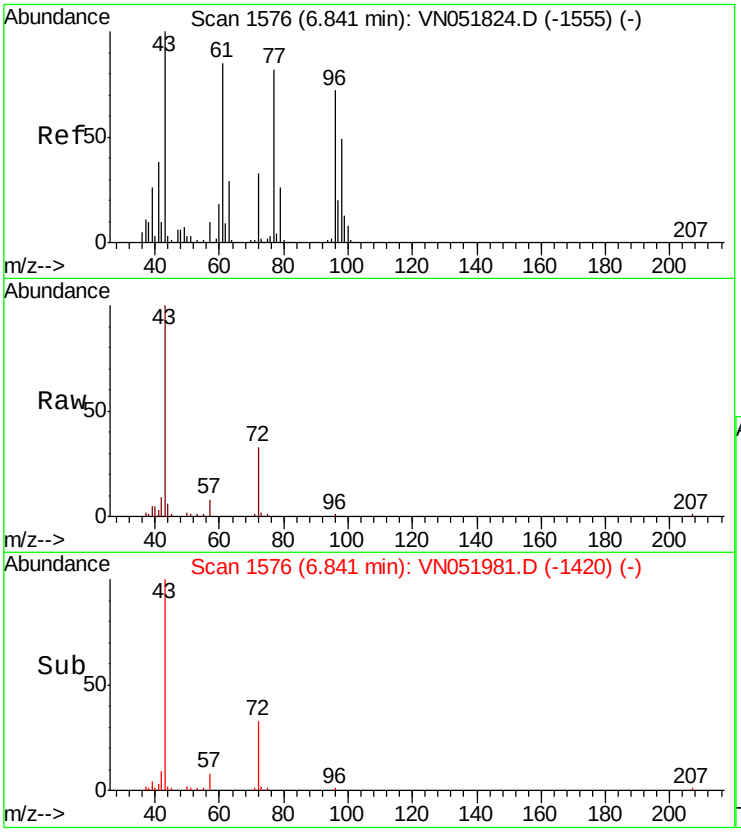


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion:114 Resp: 909255

Ion	Ratio	Lower	Upper
114	100		
63	16.0	16.2	24.2#
88	13.9	12.2	18.4



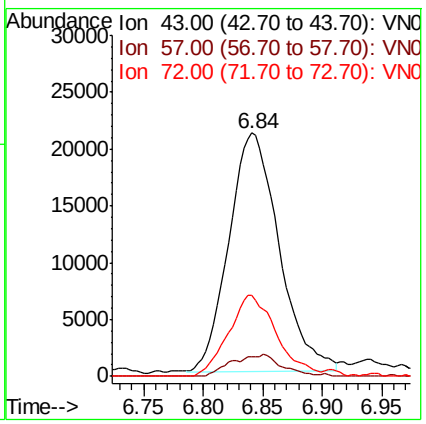


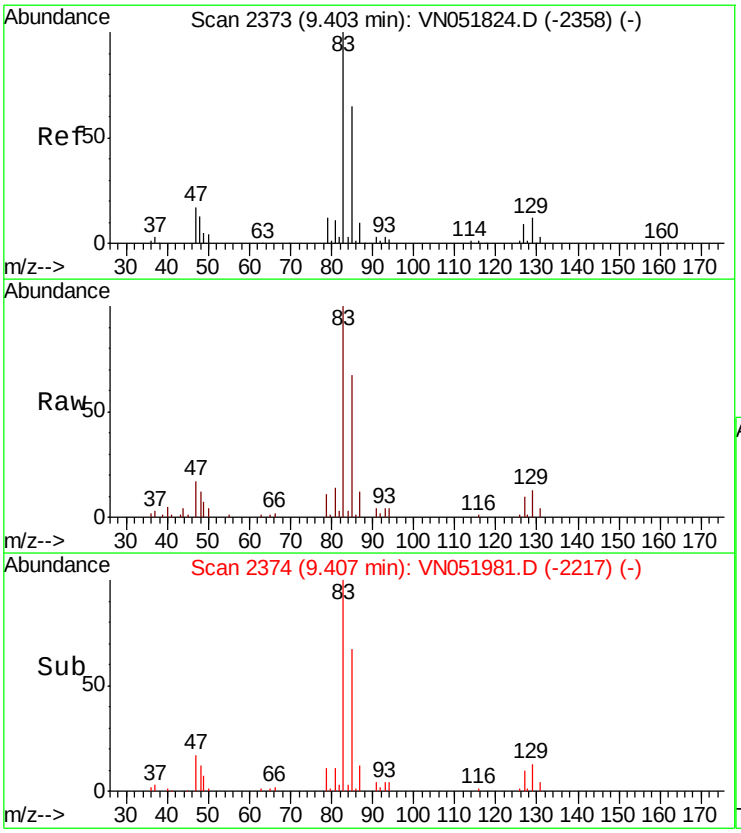
#30
2-Butanone
Concen: 25.054 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 61375

Ion	Ratio	Lower	Upper
43	100		
57	0.5	4.5	6.7#
72	32.4	21.5	32.3#

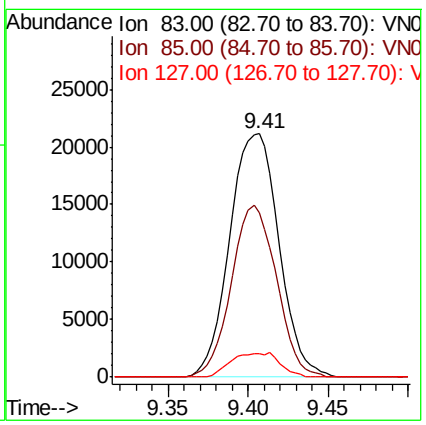


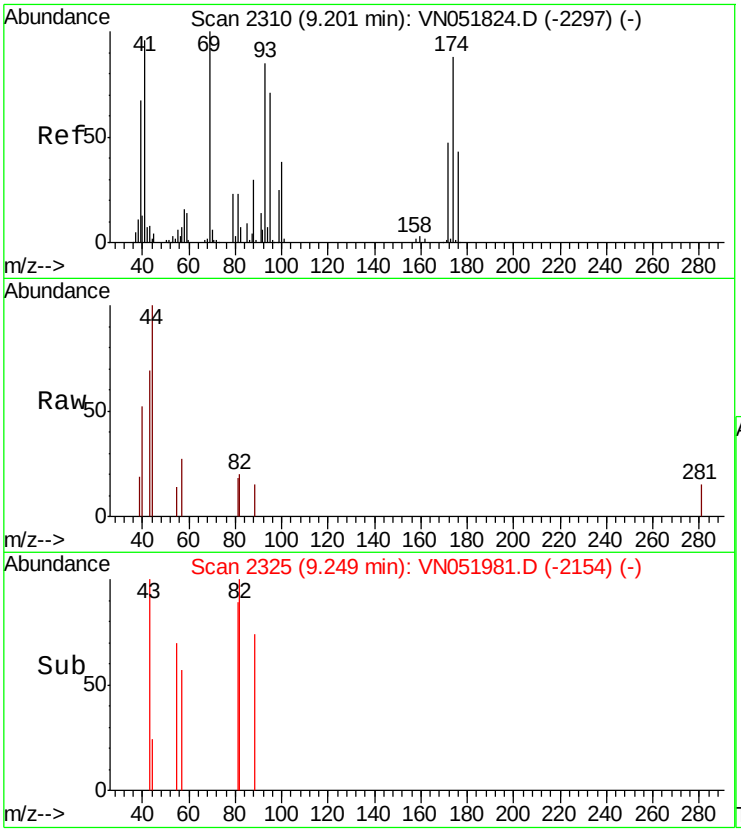


#41
Bromodichloromethane
Concen: 3.557 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 83 Resp: 44521

Ion	Ratio	Lower	Upper
83	100		
85	67.2	55.7	83.5
127	11.2	8.2	12.4



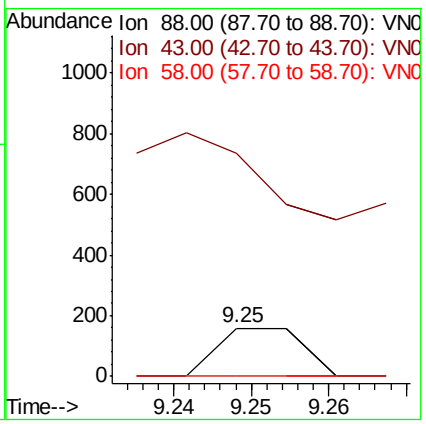


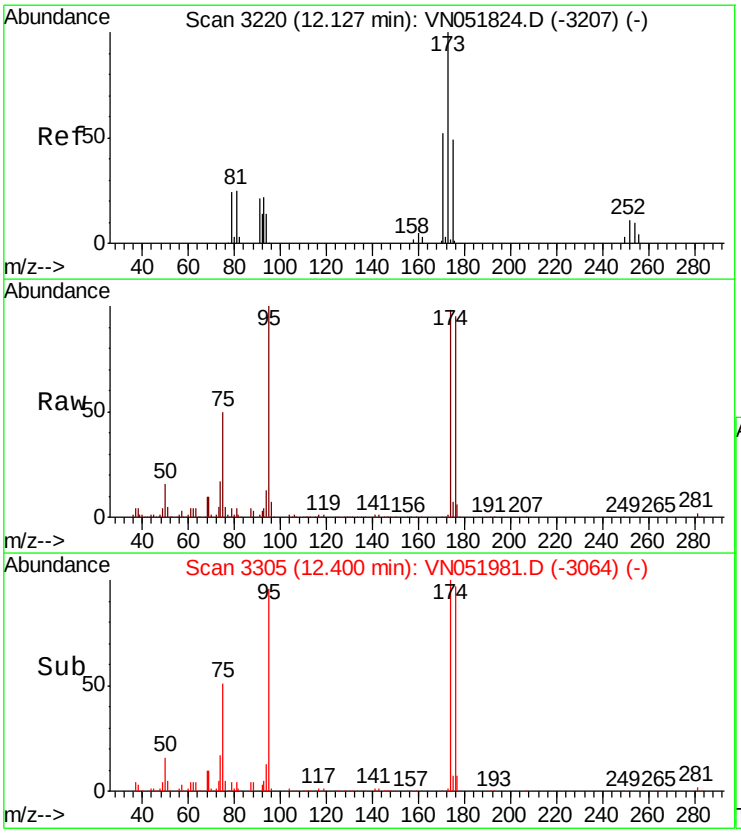
#45
1,4-Dioxane
Concen: 0.715 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.05 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 88 Resp: 61

Ion	Ratio	Lower	Upper
88	100		
43	857.4	26.2	39.2#
58	290.2	65.6	98.4#

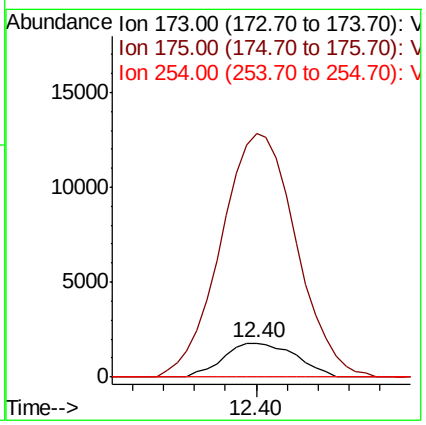


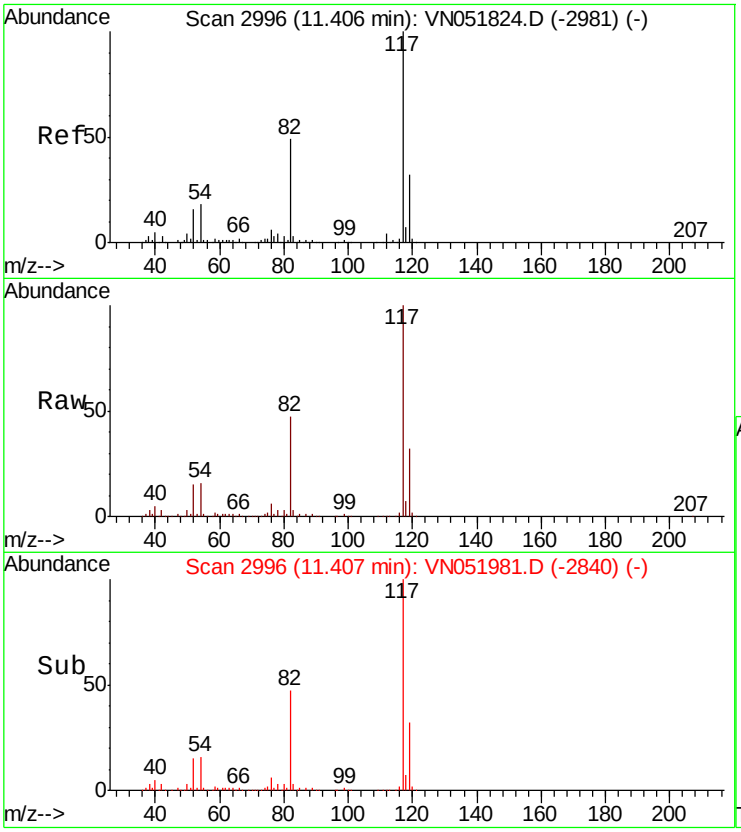


#56
Bromoform
Concen: 0.426 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion:173 Resp: 2913

Ion	Ratio	Lower	Upper
173	100		
175	745.2	35.8	53.8#
254	0.0	8.6	13.0#



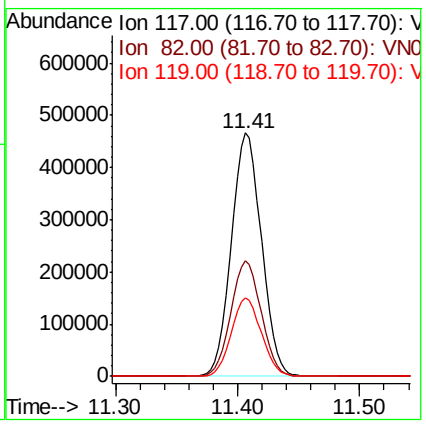


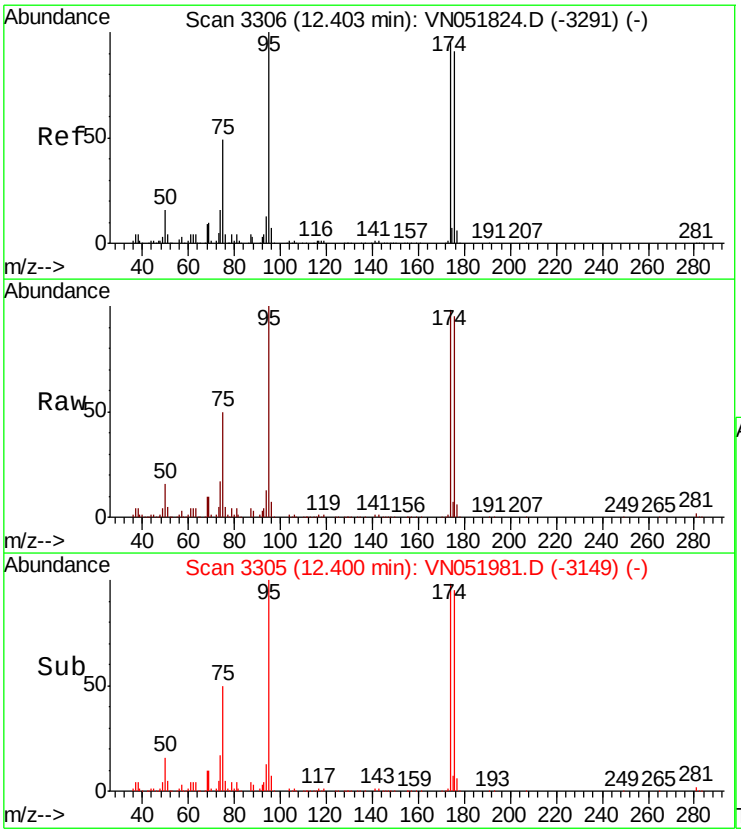
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 796921

Ion	Ratio	Lower	Upper
117	100		
82	47.9	44.1	66.1
119	32.4	25.8	38.8

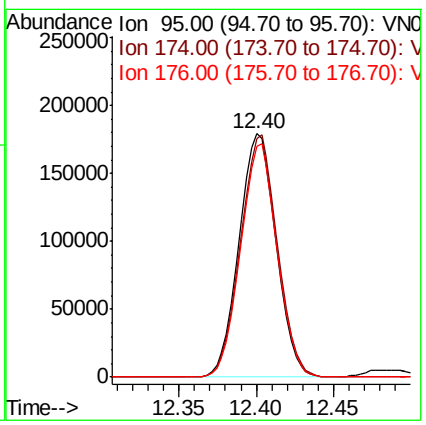


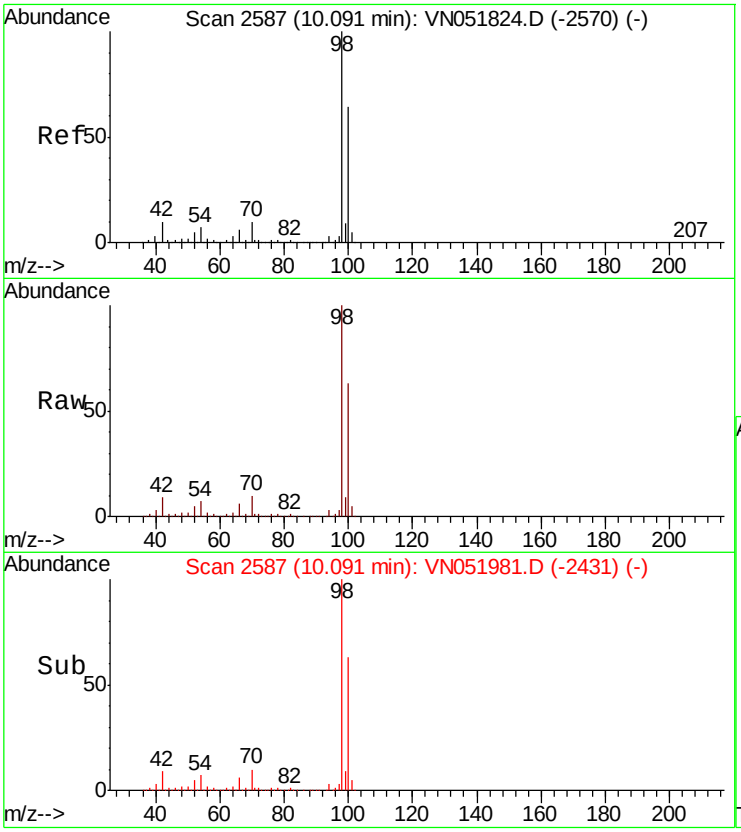


#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion: 95 Resp: 298351

Ion	Ratio	Lower	Upper
95	100		
174	99.0	73.5	110.3
176	94.7	70.2	105.2



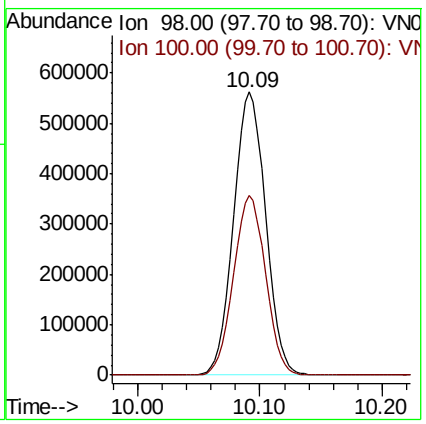


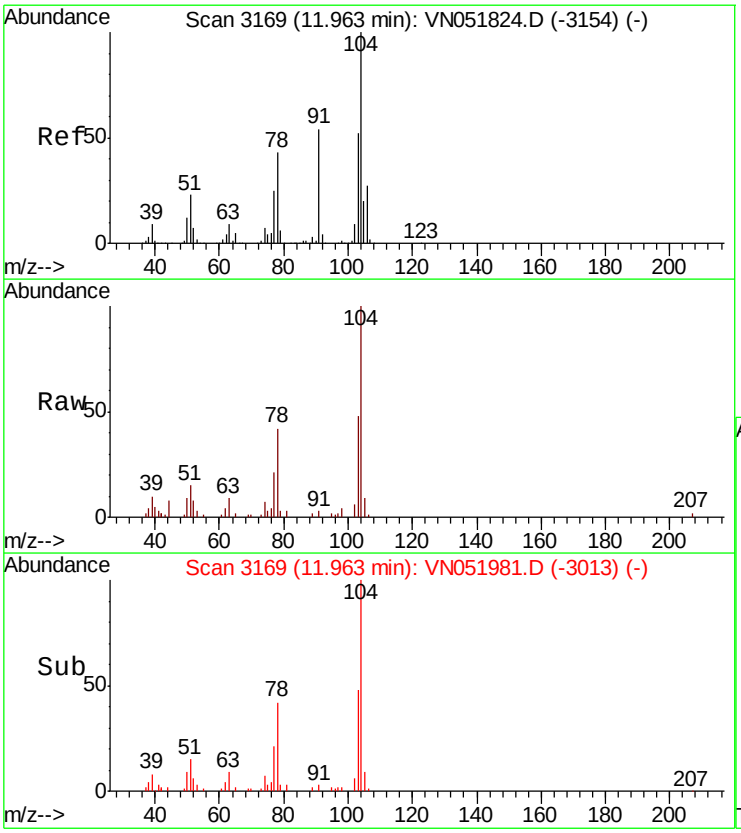
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1019903

Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.8	76.2

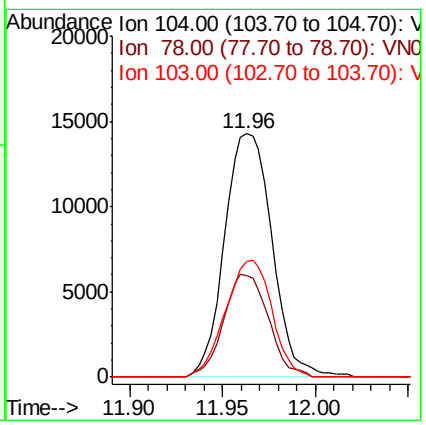


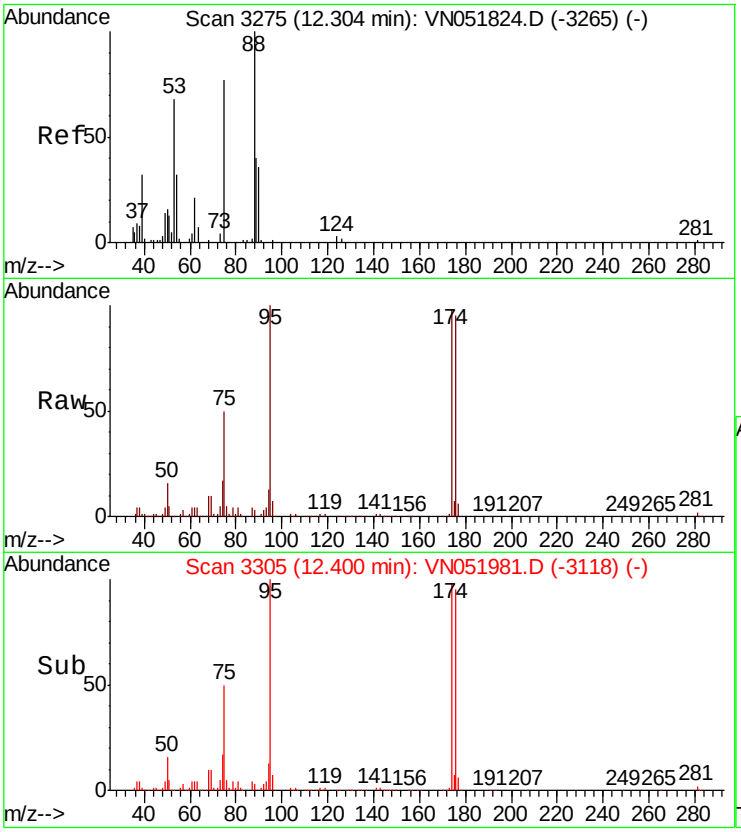


#69
Styrene
Concen: 0.947 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion:104 Resp: 25418

Ion	Ratio	Lower	Upper
104	100		
78	39.8	40.6	60.8#
103	46.8	44.0	66.0



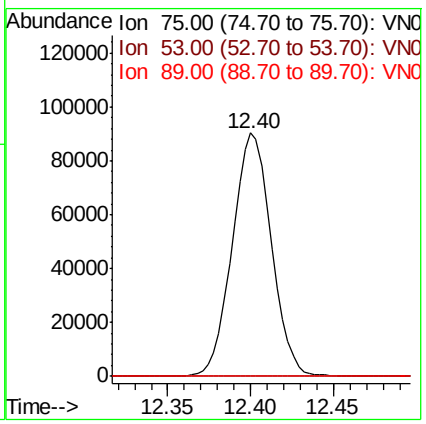


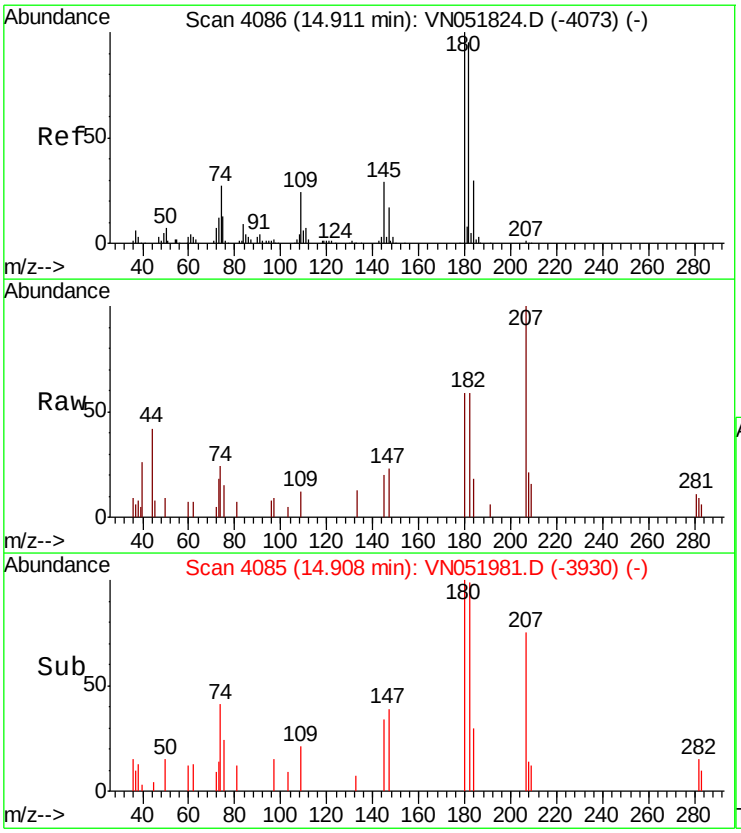
#77
t-1,4-Dichloro-2-butene
Concen: 61.561 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 147509

Ion	Ratio	Lower	Upper
75	100		
53	0.3	46.3	138.9#
89	0.0	24.6	73.8#

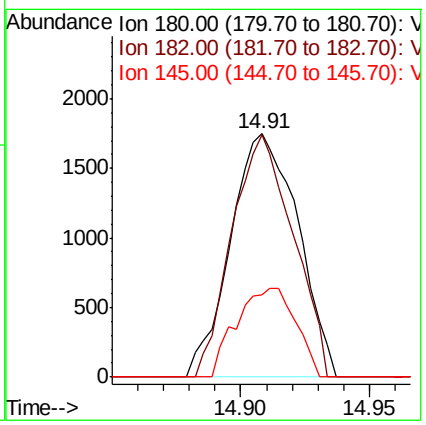


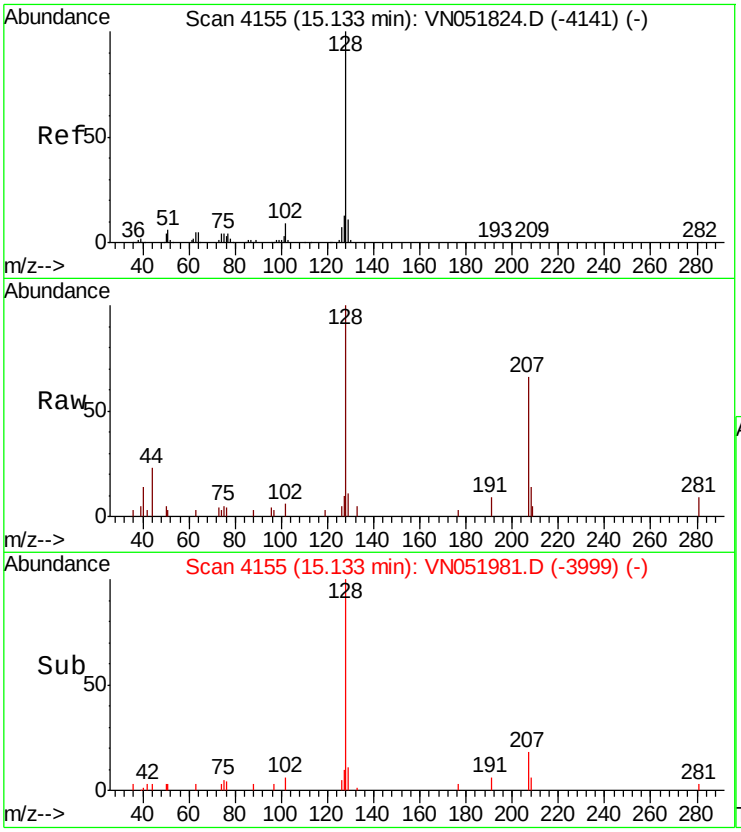


#89
1,2,4-Trichlorobenzene
Concen: 7.971 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion:180 Resp: 3175

Ion	Ratio	Lower	Upper
180	100		
182	90.6	77.7	116.5
145	32.2	23.4	35.2



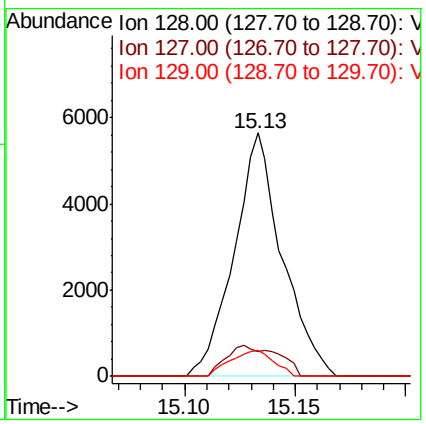


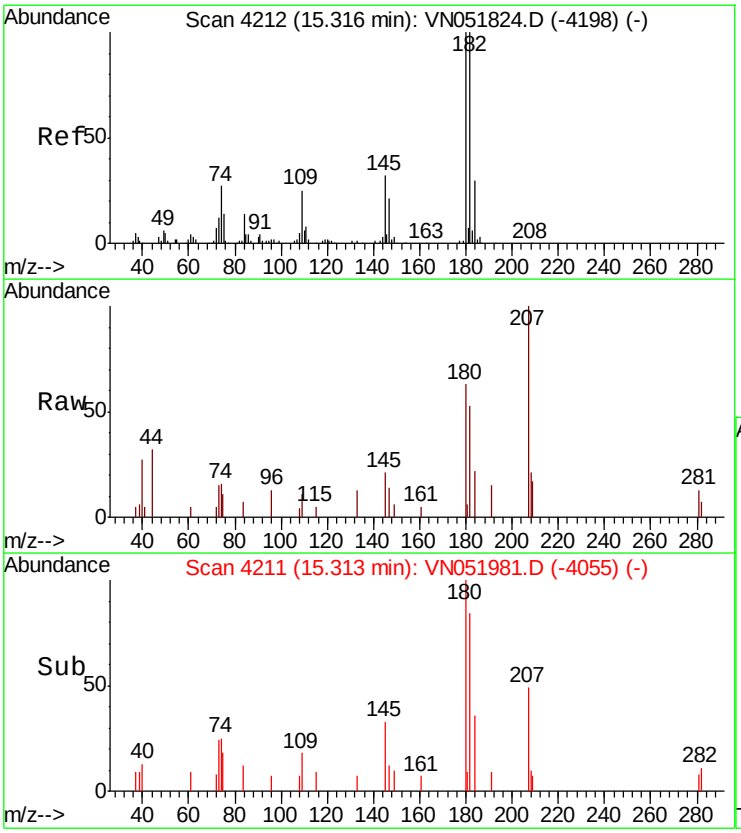
#91
Naphthalene
Concen: 8.851 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8547

Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.1	15.1#
129	9.6	8.4	12.6





#92
1,2,3-Trichlorobenzene
Concen: 0.391 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051981.D
Acq: 24 Oct 2018 12:14

Tgt Ion:180 Resp: 3509

Ion	Ratio	Lower	Upper
180	100		
182	87.0	0.0	198.0
145	29.6	0.0	36.8