Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051680.D
Acq On : 5 Oct 2018 12:24
Operator : MD\SY
Sample : J5260-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Quant Time: Oct 05 14:53:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	89911	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	508919	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	406199	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	185384	29.71	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.03%				
60) 4-Bromofluorobenzene	12.40	95	142888	23.05	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 76.83%				
63) Toluene-d8	10.09	98	594888	32.98	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 109.93%				
Target Compounds							Qvalue
5) Bromomethane	2.57	94	3223	0.529	ug/l		95
12) Methyl Acetate	4.33	43	788	0.238	ug/l		100
13) Acrolein	3.52	56	122	0.501	ug/l		83
15) Acetone	3.83	58	255	0.789	ug/l	#	31
16) Carbon Disulfide	4.05	76	6434	0.536	ug/l	#	93
23) tert-Butyl Alcohol	4.79	59	271	0.776	ug/l	#	100
25) Chloroform	7.37	83	8868	0.914	ug/l		96
35) Methacrylonitrile	7.19	41	674	0.371	ug/l	#	20
45) 1,4-Dioxane	8.72	88	138	2.849	ug/l	#	1
77) t-1,4-Dichloro-2-butene	12.40	75	77275	50.706	ug/l	#	12
89) 1,2,4-Trichlorobenzene	14.91	180	1056	6.999	ug/l	#	46
91) Naphthalene	15.14	128	3674	0.376	ug/l	#	89
92) 1,2,3-Trichlorobenzene	15.32	180	898	0.201	ug/l		23

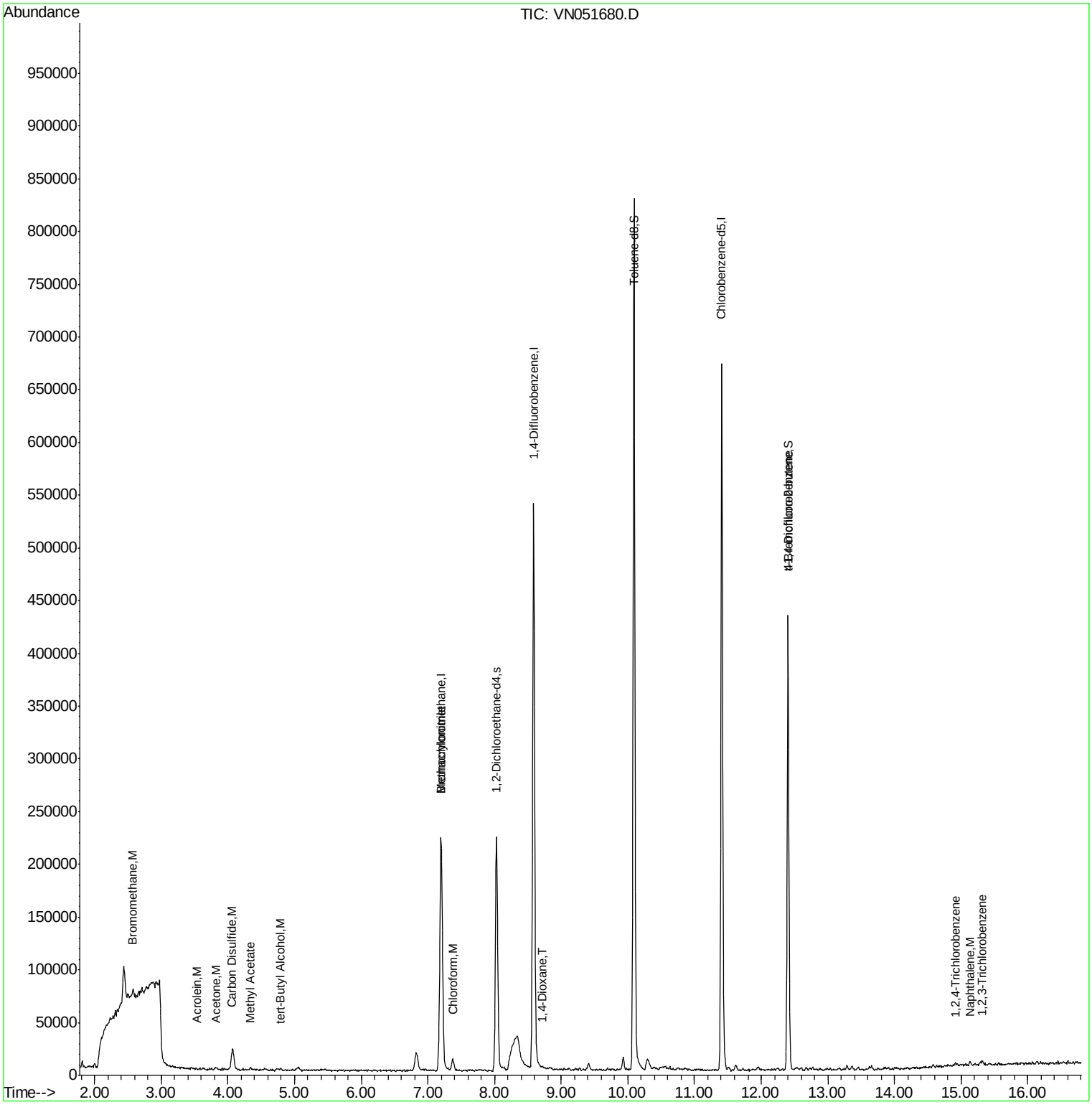
(#) = qualifier out of range (m) = manual integration (+) = signals summed

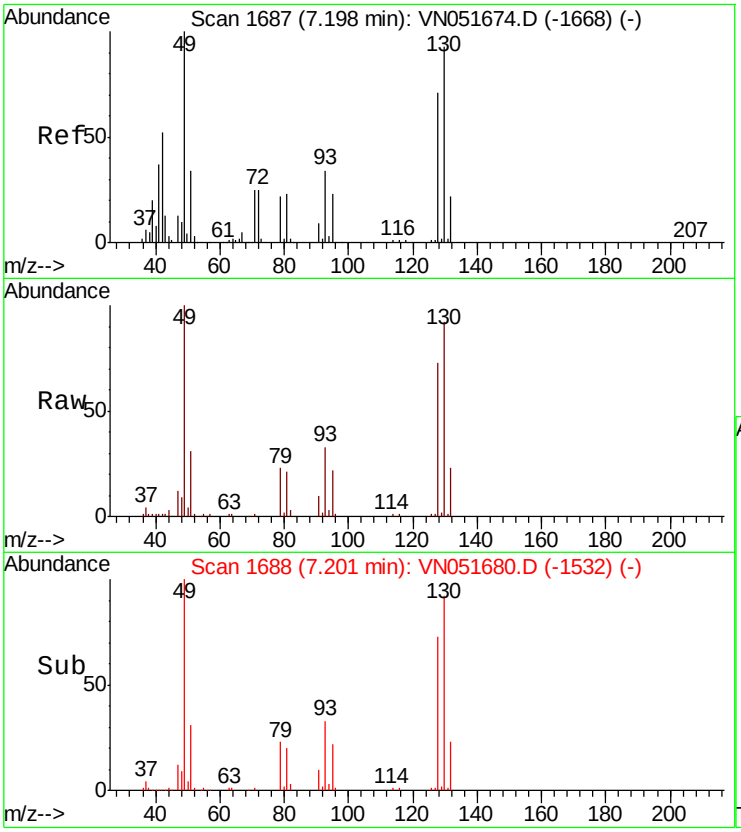
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051680.D
Acq On : 5 Oct 2018 12:24
Operator : MD\SY
Sample : J5260-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Quant Time: Oct 05 14:53:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration



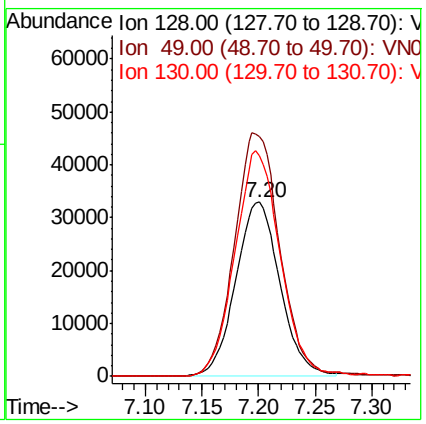


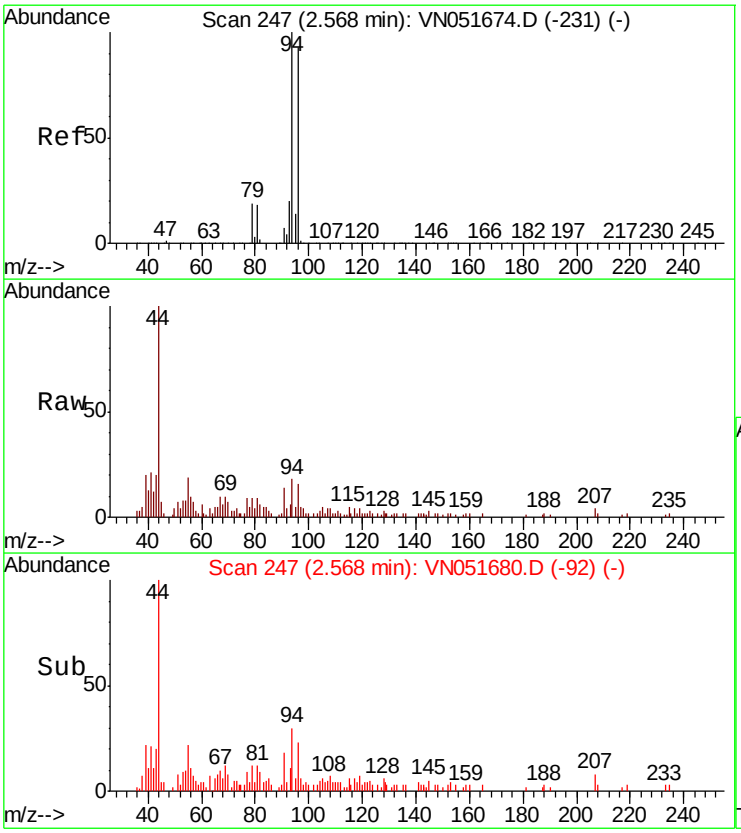
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Tgt Ion:128 Resp: 89911

Ion	Ratio	Lower	Upper
128	100		
49	143.8	0.0	403.3
130	131.9	0.0	326.0

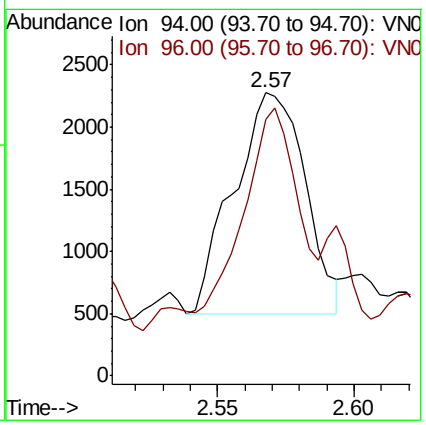


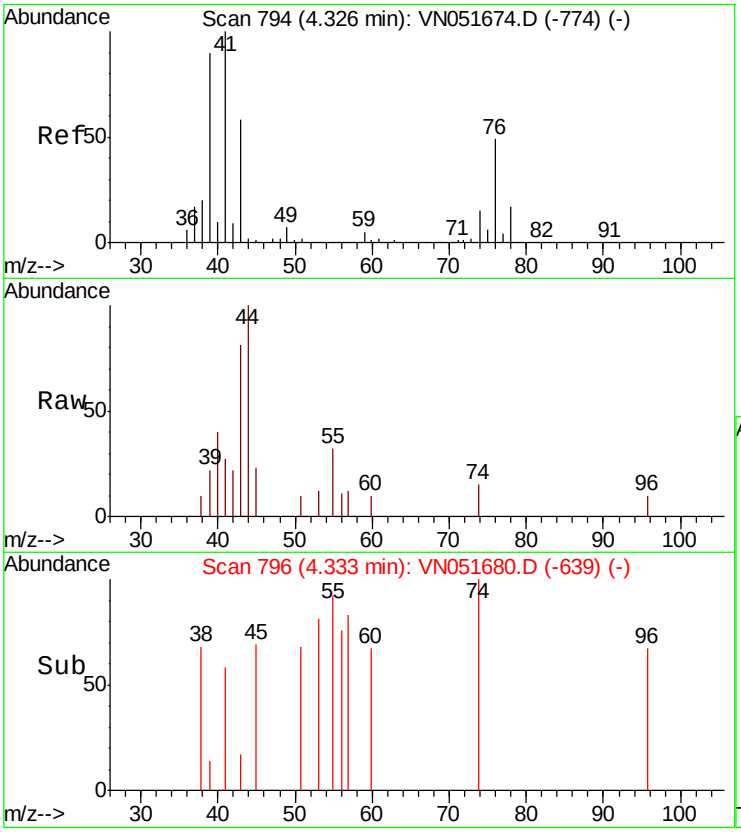


#5
Bromomethane
Concen: 0.529 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 94 Resp: 3223

Ion	Ratio	Lower	Upper
94	100		
96	87.4	66.4	99.6



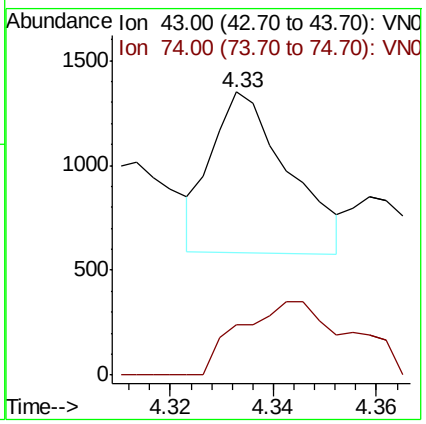


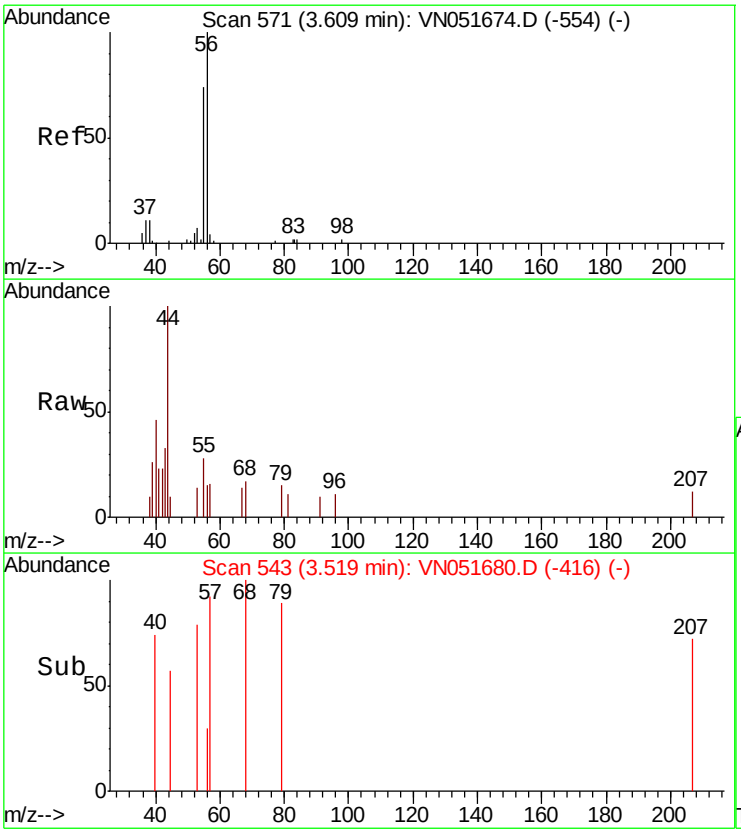
#12
Methyl Acetate
Concen: 0.238 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Tgt Ion: 43 Resp: 788

Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.8	32.6

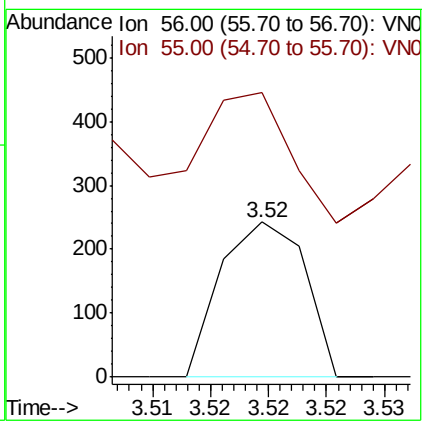


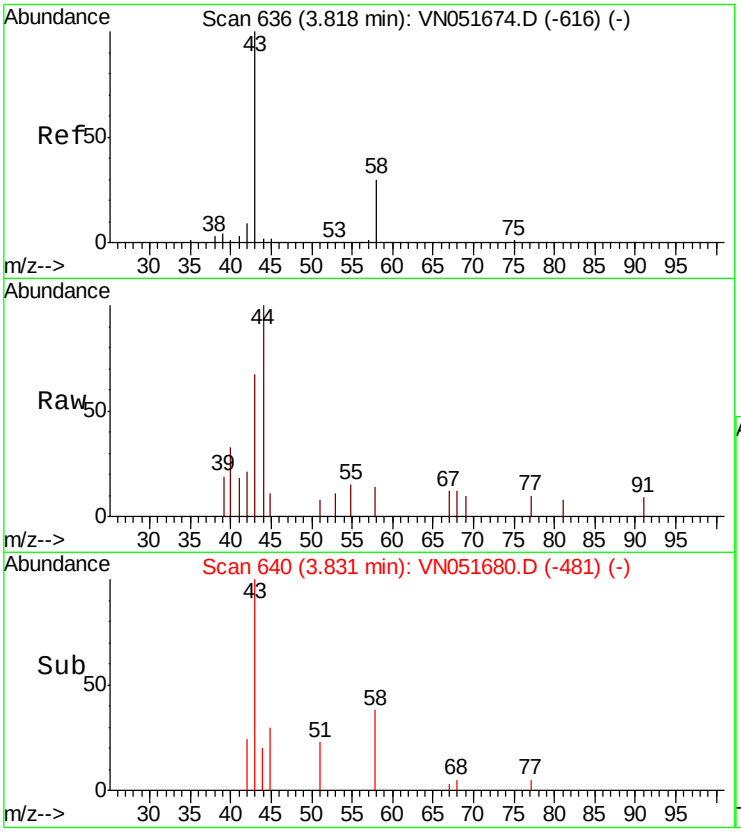


#13
Acrolein
Concen: 0.501 ug/l
RT: 3.52 min Scan# 543
Delta R.T. -0.09 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 56 Resp: 122

Ion	Ratio	Lower	Upper
56	100		
55	95.1	64.0	96.0



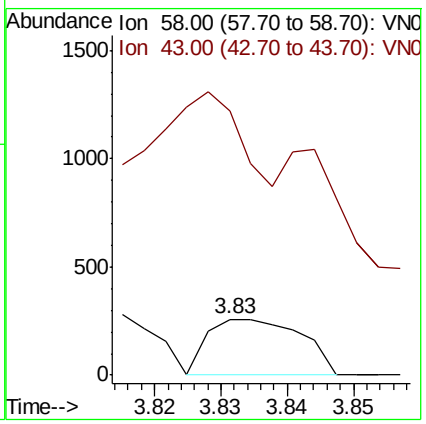


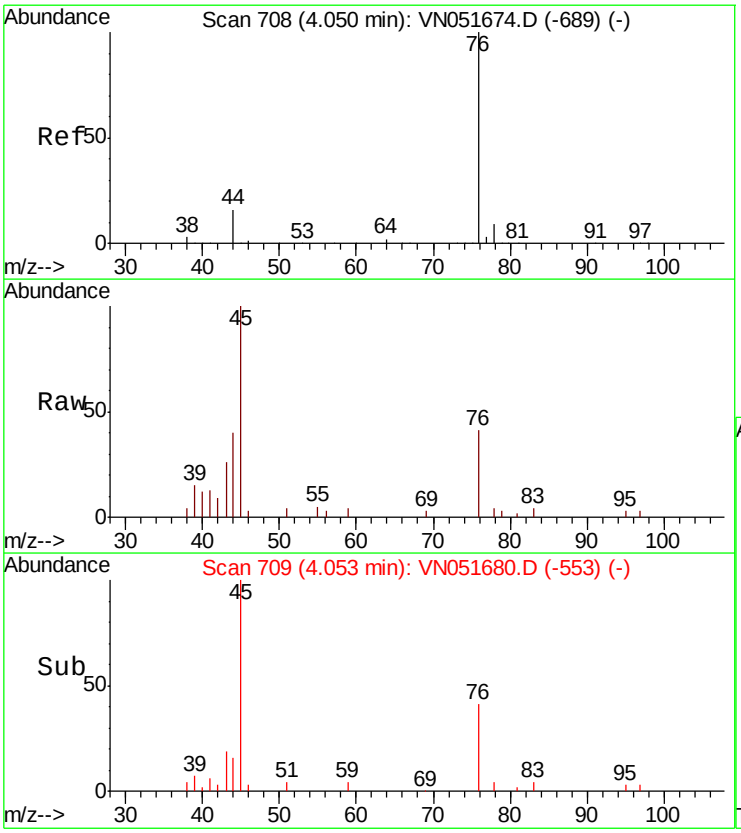
#15
Acetone
Concen: 0.789 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Tgt Ion: 58 Resp: 255

Ion	Ratio	Lower	Upper
58	100		
43	157.0	232.2	348.2#

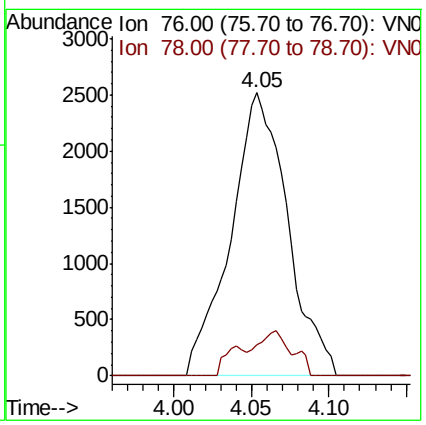


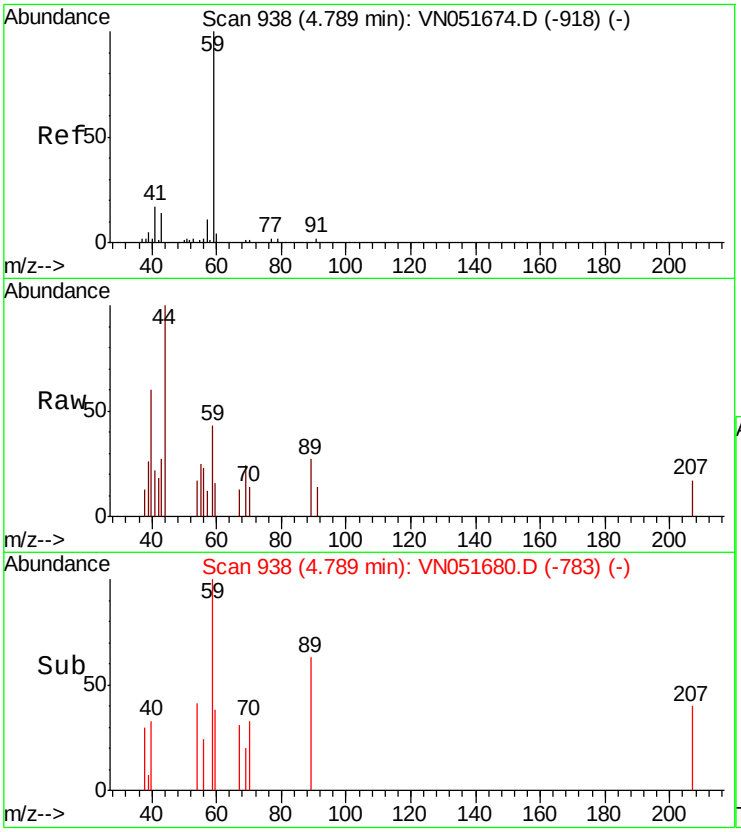


#16
Carbon Disulfide
Concen: 0.536 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 76 Resp: 6434

Ion	Ratio	Lower	Upper
76	100		
78	11.0	6.7	10.1#



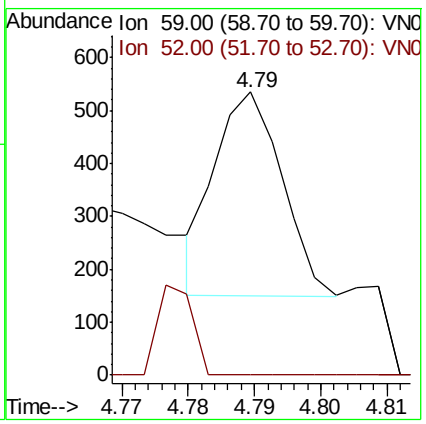


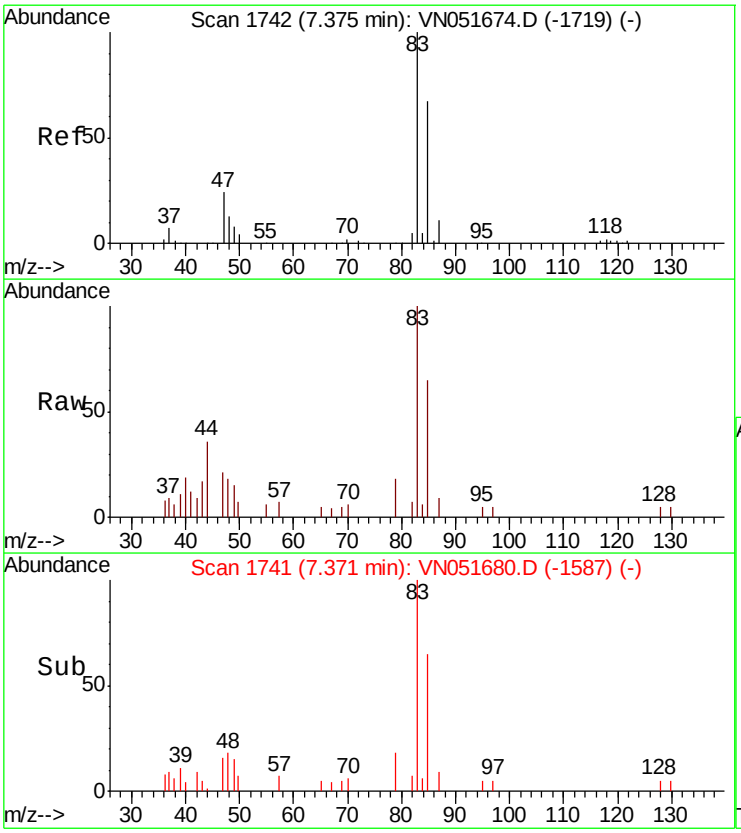
#23
tert-Butyl Alcohol
Concen: 0.776 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Tgt Ion: 59 Resp: 271

Ion	Ratio	Lower	Upper
59	100		
52	23.2	0.0	0.0#

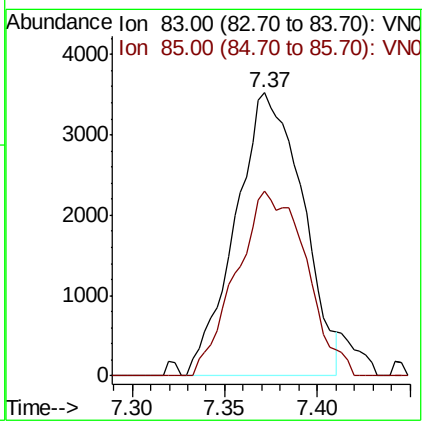


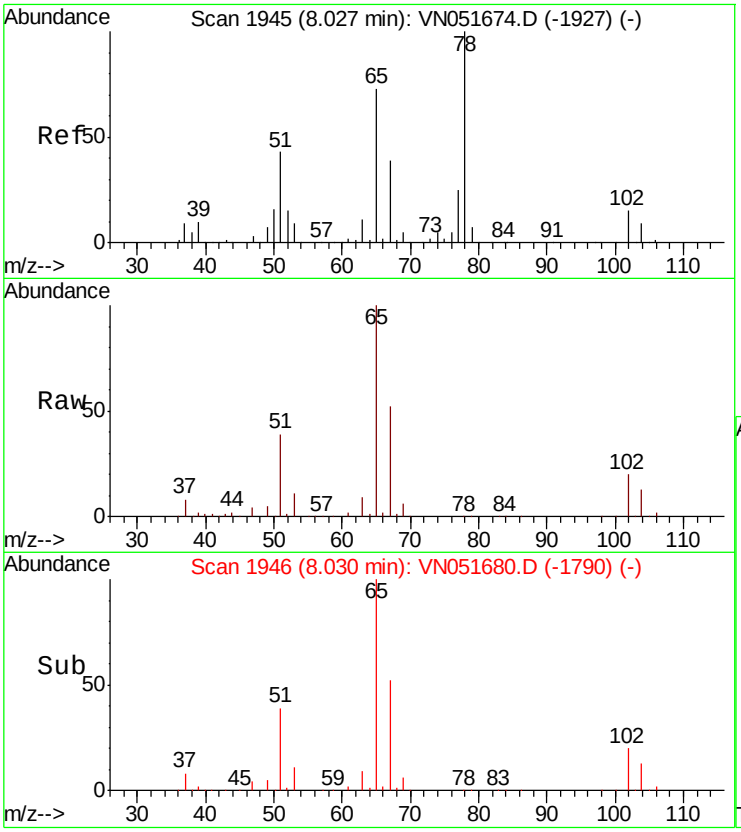


#25
Chloroform
Concen: 0.914 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 83 Resp: 8868

Ion	Ratio	Lower	Upper
83	100		
85	65.5	54.6	82.0



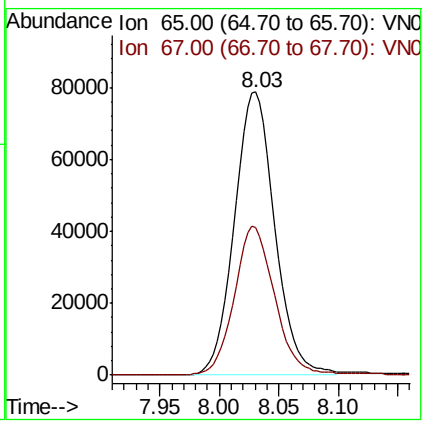


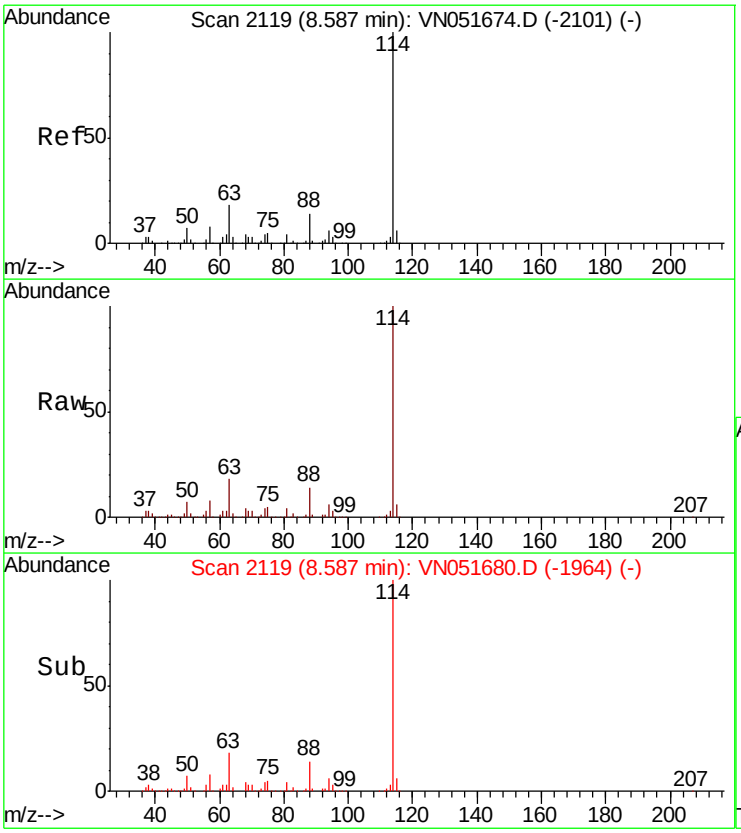
#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 65 Resp: 185384

Ion	Ratio	Lower	Upper
65	100		
67	52.5	41.8	62.8

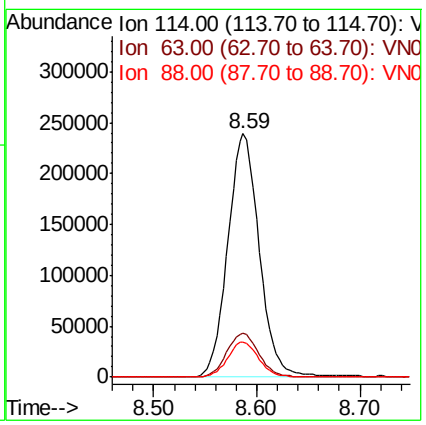


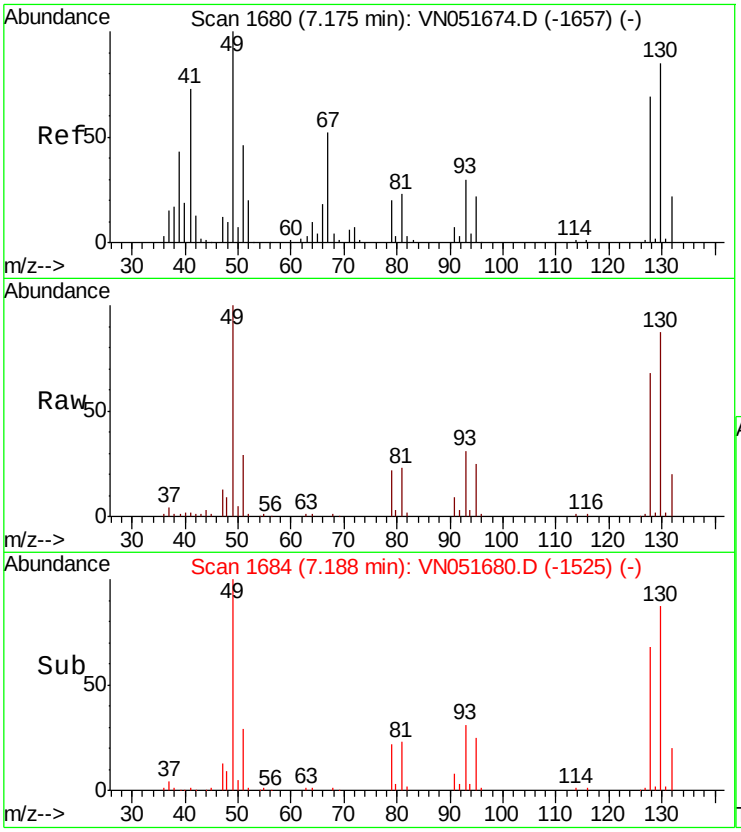


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion:114 Resp: 508919

Ion	Ratio	Lower	Upper
114	100		
63	18.4	16.2	24.2
88	14.2	12.2	18.4



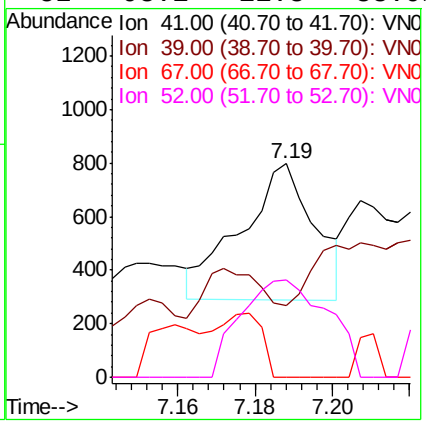


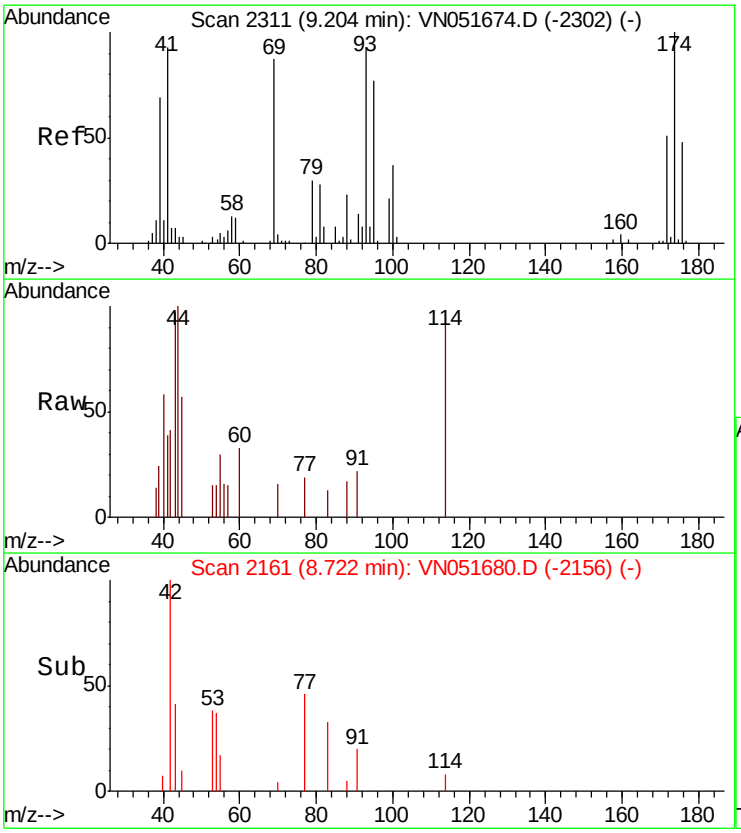
#35
Methacrylonitrile
Concen: 0.371 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Tgt Ion: 41 Resp: 674

Ion	Ratio	Lower	Upper
41	100		
39	13.3	22.6	67.7#
67	0.0	28.9	86.8#
52	93.1	11.3	33.9#

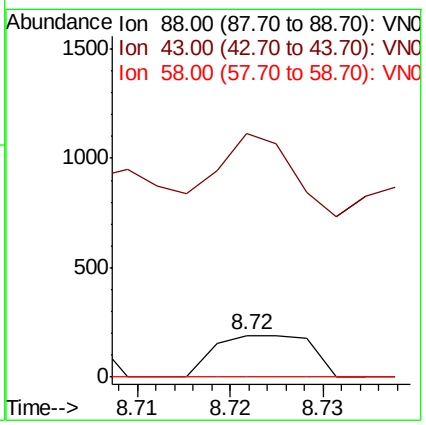


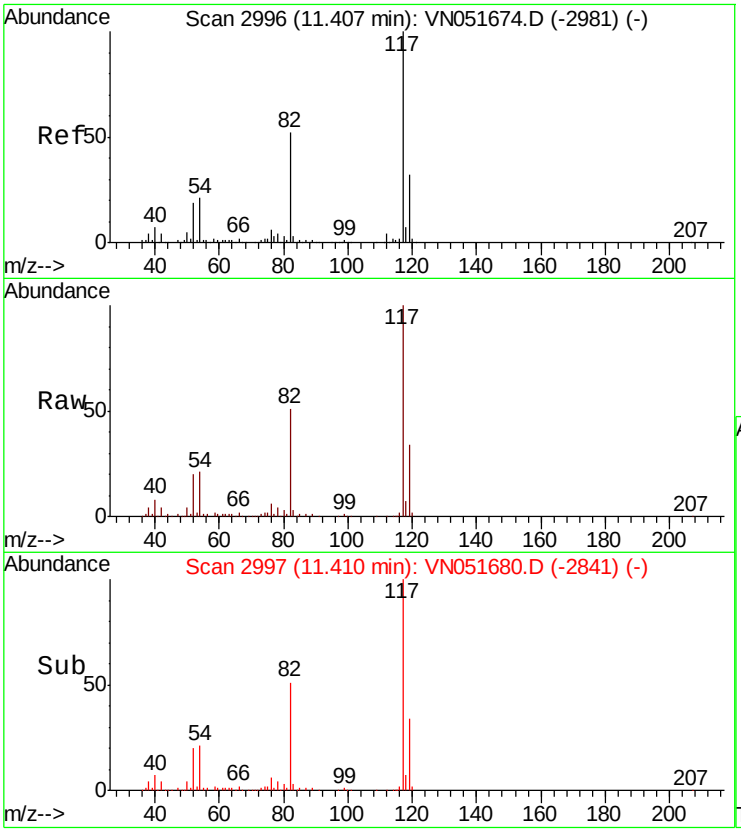


#45
1,4-Dioxane
Concen: 2.849 ug/l
RT: 8.72 min Scan# 2161
Delta R.T. -0.48 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 88 Resp: 138

Ion	Ratio	Lower	Upper
88	100		
43	144.9	26.2	39.2#
58	0.0	65.6	98.4#



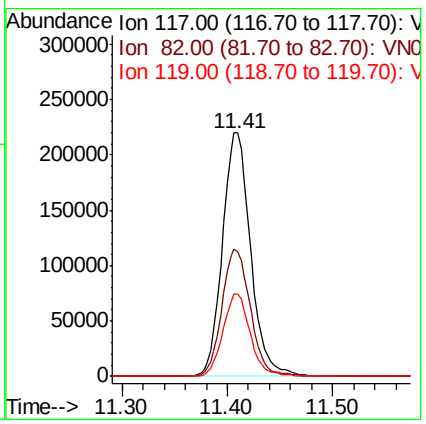


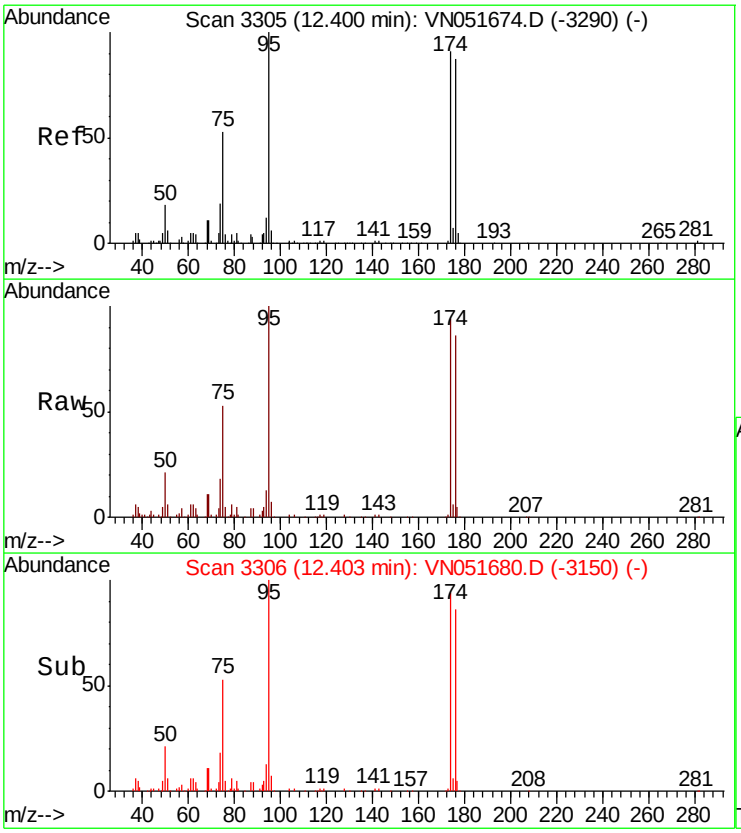
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:117 Resp: 406199

Ion	Ratio	Lower	Upper
117	100		
82	52.6	44.1	66.1
119	32.9	25.8	38.8

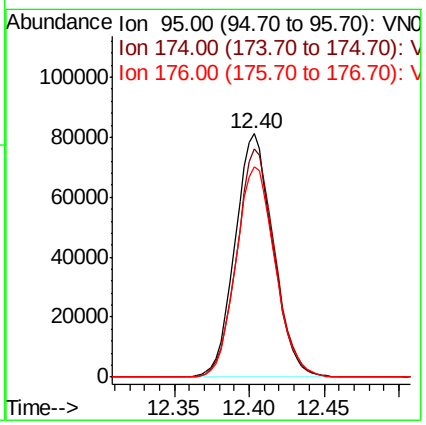


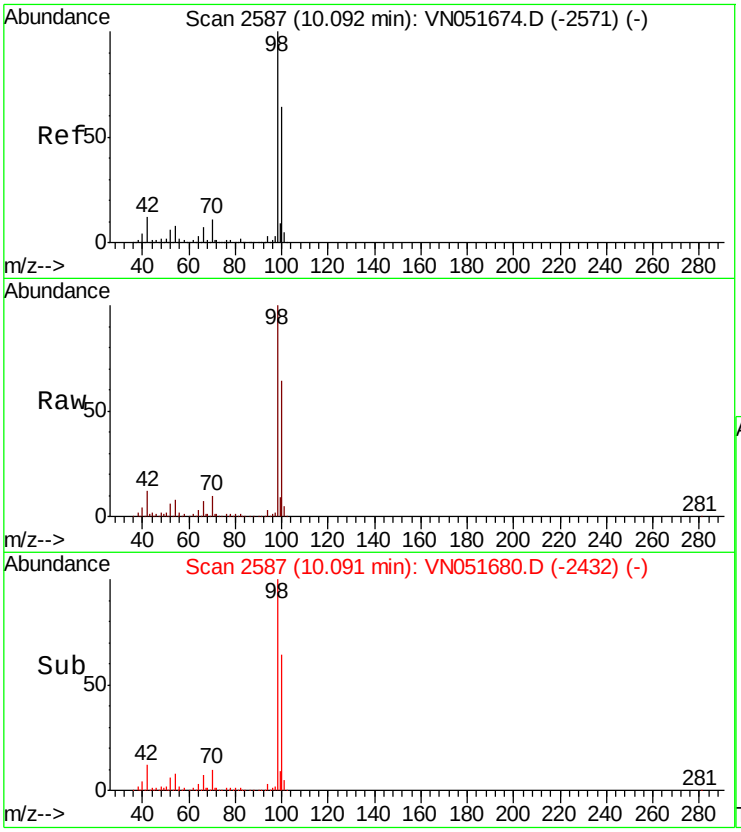


#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 95 Resp: 142888

Ion	Ratio	Lower	Upper
95	100		
174	94.2	73.5	110.3
176	89.3	70.2	105.2



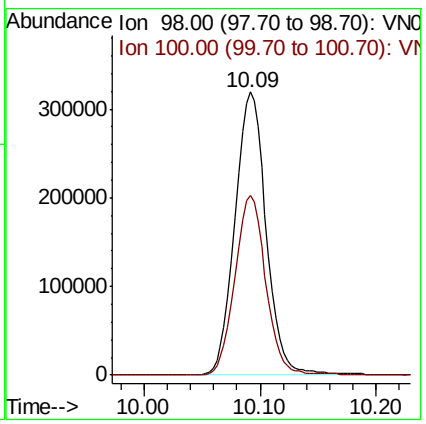


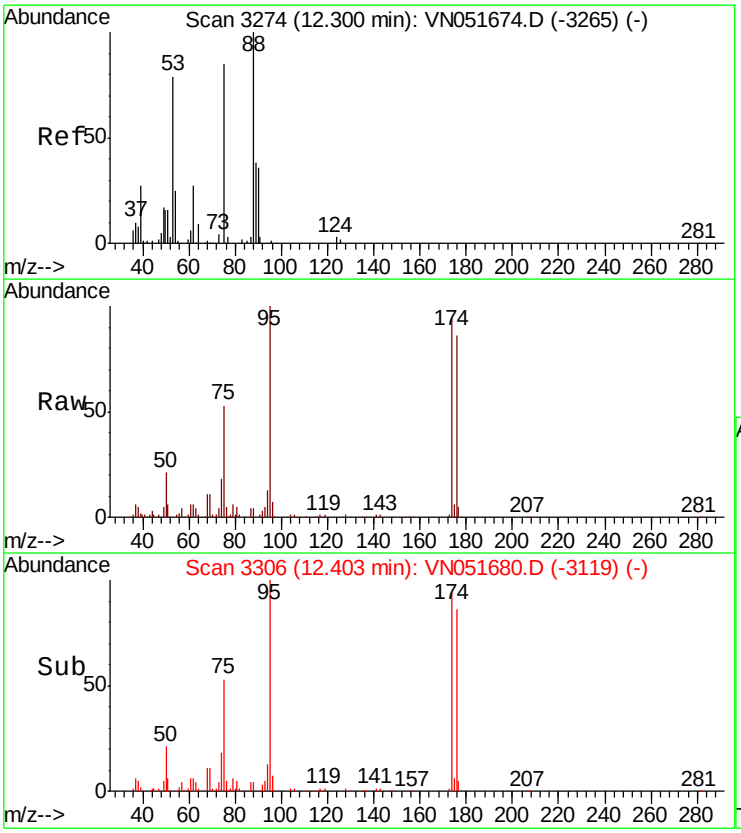
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Tgt Ion: 98 Resp: 594888

Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.8	76.2

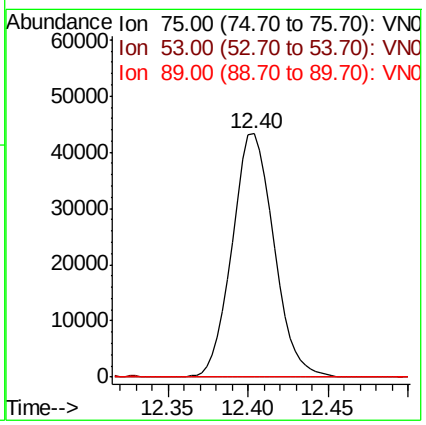


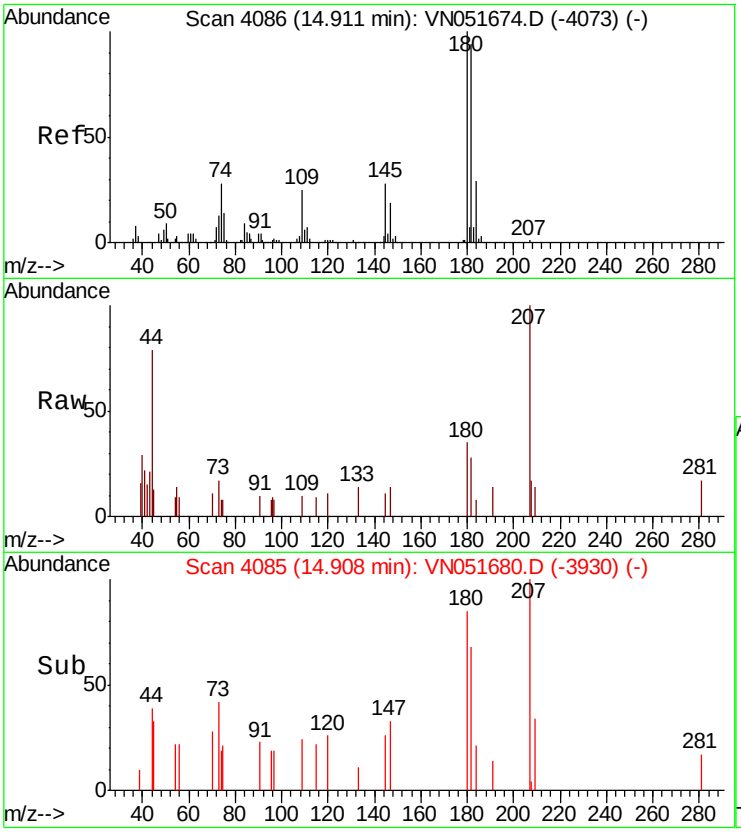


#77
t-1,4-Dichloro-2-butene
Concen: 50.706 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 75 Resp: 77275

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



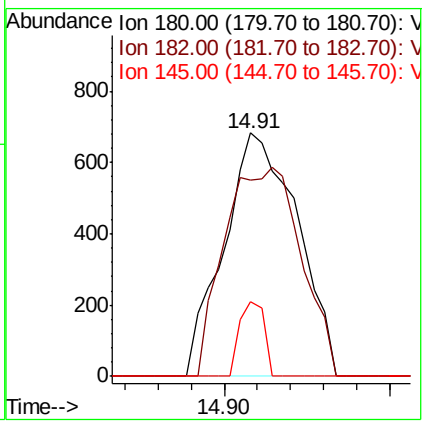


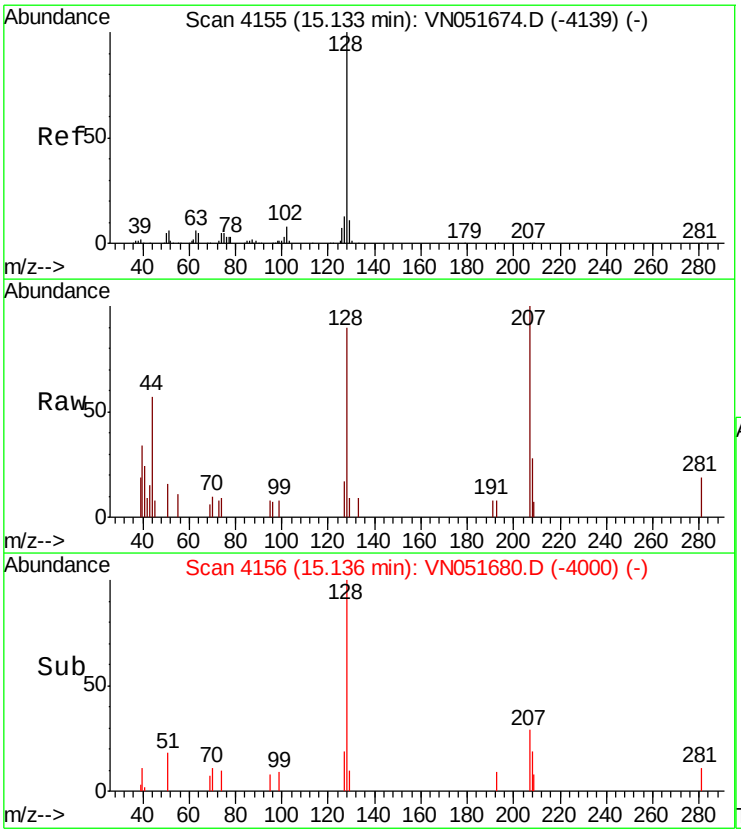
#89
1,2,4-Trichlorobenzene
Concen: 6.999 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:180 Resp: 1056

Ion	Ratio	Lower	Upper
180	100		
182	38.0	77.7	116.5#
145	10.2	23.4	35.2#

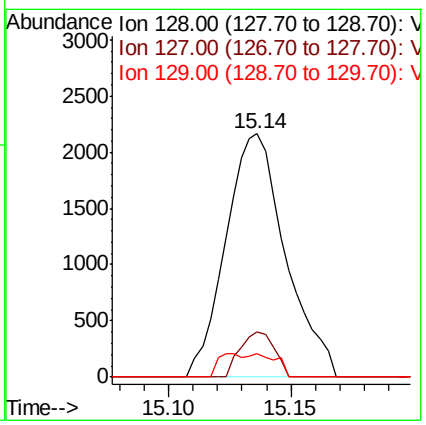


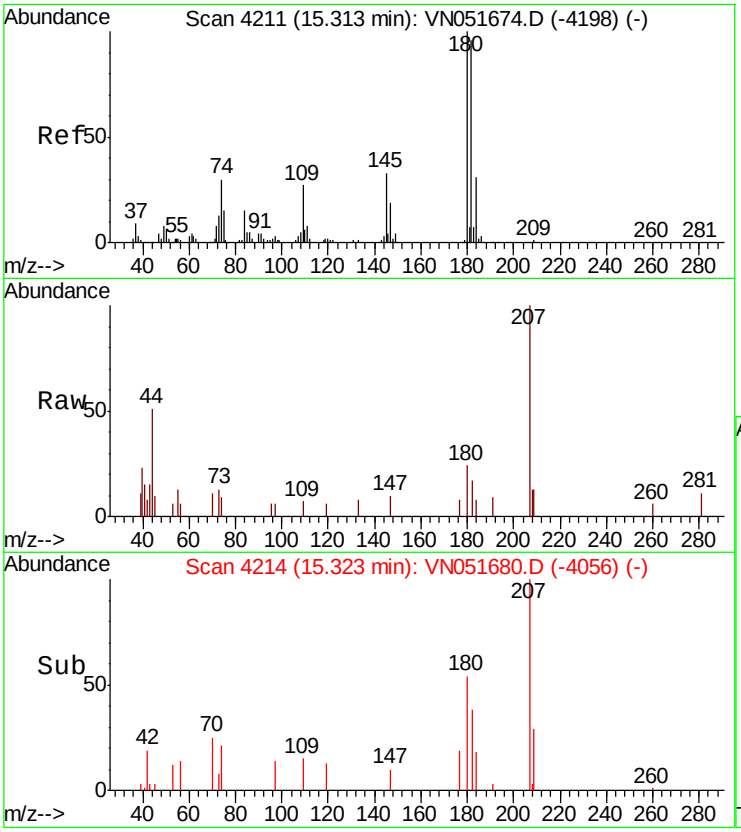


#91
Naphthalene
Concen: 0.376 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion:128 Resp: 3674

Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.1	15.1
129	3.8	8.4	12.6#





#92
1,2,3-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.32 min Scan# 4214
Delta R.T. 0.01 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:180 Resp: 898

Ion	Ratio	Lower	Upper
180	100		
182	12.4	0.0	198.0
145	28.1	0.0	36.8