Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\

Quantitation Report (Not Reviewed)

Data File : VN051919.D
Acq On : 18 Oct 2018 16:28
Operator : MD\SY
Sample : J5594-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : SPDES-1

Quant Time: Oct 19 06:44:12 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	149693	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	824332	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	663617	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	275583	30.26	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.87%				
60) 4-Bromofluorobenzene	12.40	95	216232	22.60	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 75.33%				
63) Toluene-d8	10.09	98	914529	31.74	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 105.80%				
Target Compounds							Qvalue
5) Bromomethane	2.57	94	2864	0.353	ug/l		86
13) Acrolein	3.61	56	284	1.007	ug/l	#	53
15) Acetone	3.81	58	186	0.393	ug/l	#	1
16) Carbon Disulfide	4.05	76	4810	0.266	ug/l	#	95
23) tert-Butyl Alcohol	4.76	59	585	1.161	ug/l	#	100
25) Chloroform	7.38	83	12675	0.839	ug/l	#	83
30) 2-Butanone	6.83	43	584	0.263	ug/l	#	54
45) 1,4-Dioxane	8.77	88	234	3.026	ug/l	#	9
51) Ethyl methacrylate	10.10	69	2682	0.309	ug/l		95
58) 4-Methyl-2-Pentanone	9.99	43	1304	0.294	ug/l	#	64
77) t-1,4-Dichloro-2-butene	12.40	75	104868	52.557	ug/l	#	12
89) 1,2,4-Trichlorobenzene	14.91	180	3210	8.023	ug/l	#	83
90) Hexachlorobutadiene	15.01	225	1233	0.233	ug/l		60
91) Naphthalene	15.13	128	9224	8.944	ug/l	#	92
92) 1,2,3-Trichlorobenzene	15.31	180	4197	0.561	ug/l		88

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

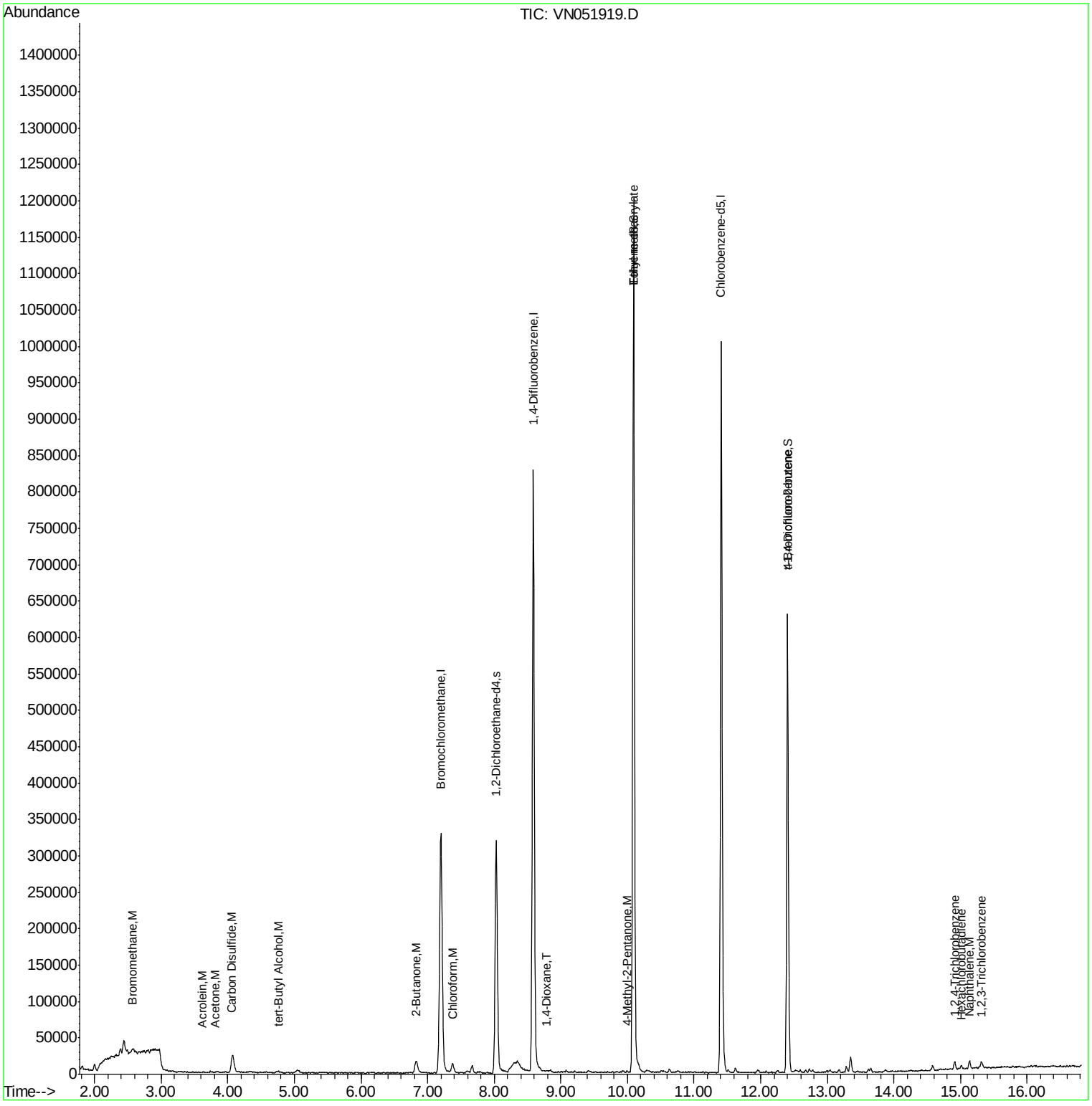
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\

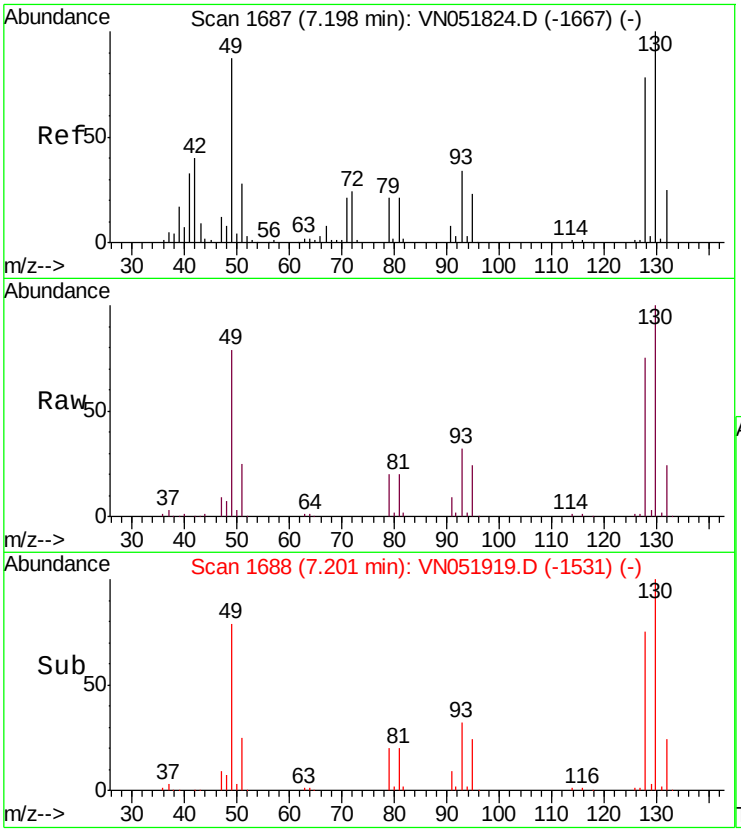
Quantitation Report (Not Reviewed)

Data File : VN051919.D
Acq On : 18 Oct 2018 16:28
Operator : MD\SY
Sample : J5594-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Quant Time: Oct 19 06:44:12 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



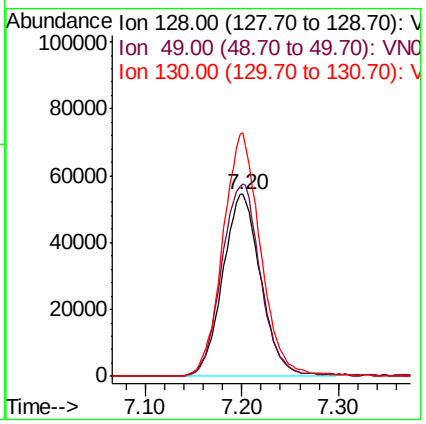


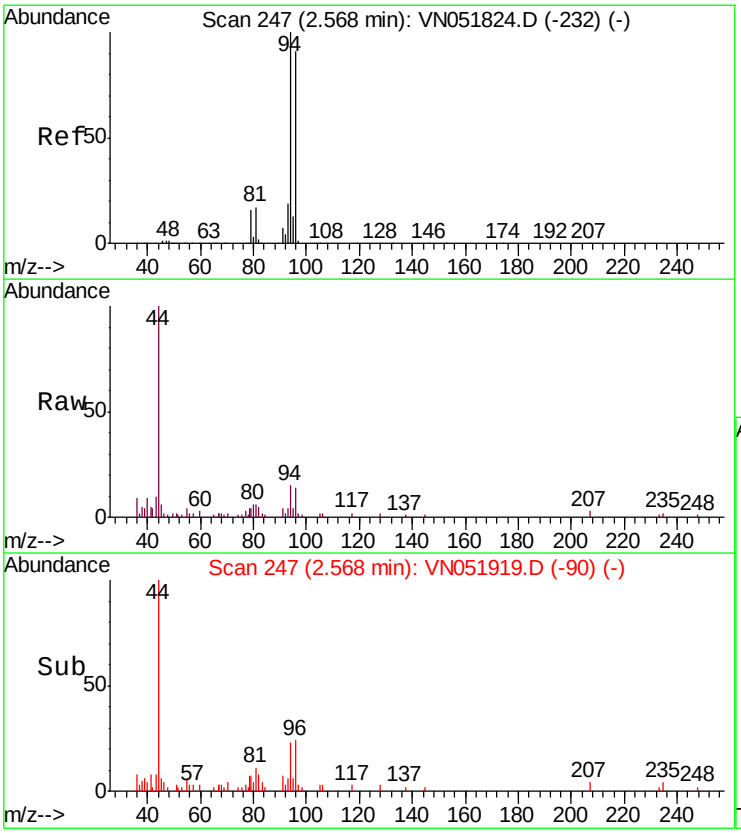
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:128 Resp: 149693

Ion	Ratio	Lower	Upper
128	100		
49	106.4	0.0	403.3
130	130.9	0.0	326.0

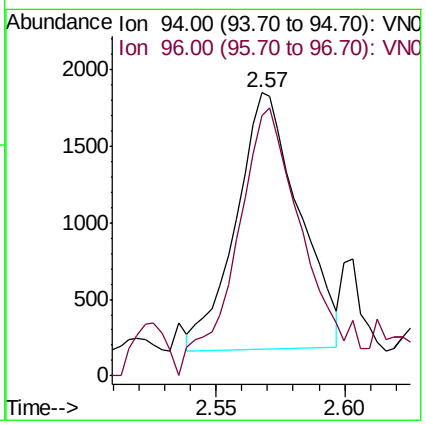


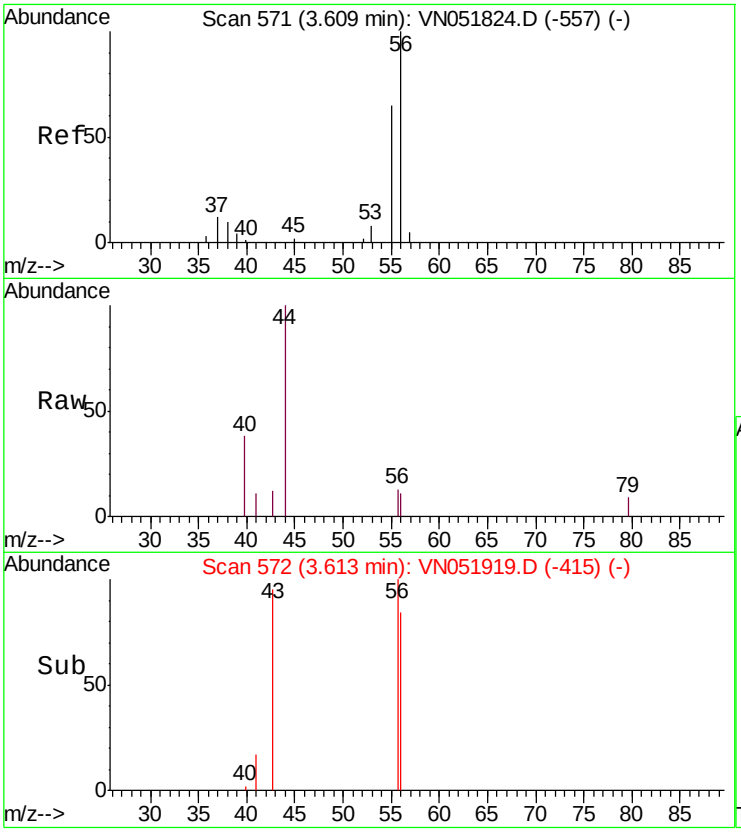


#5
Bromomethane
Concen: 0.353 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 94 Resp: 2864

Ion	Ratio	Lower	Upper
94	100		
96	95.5	66.4	99.6



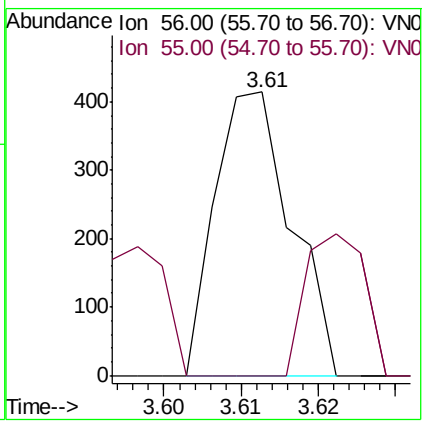


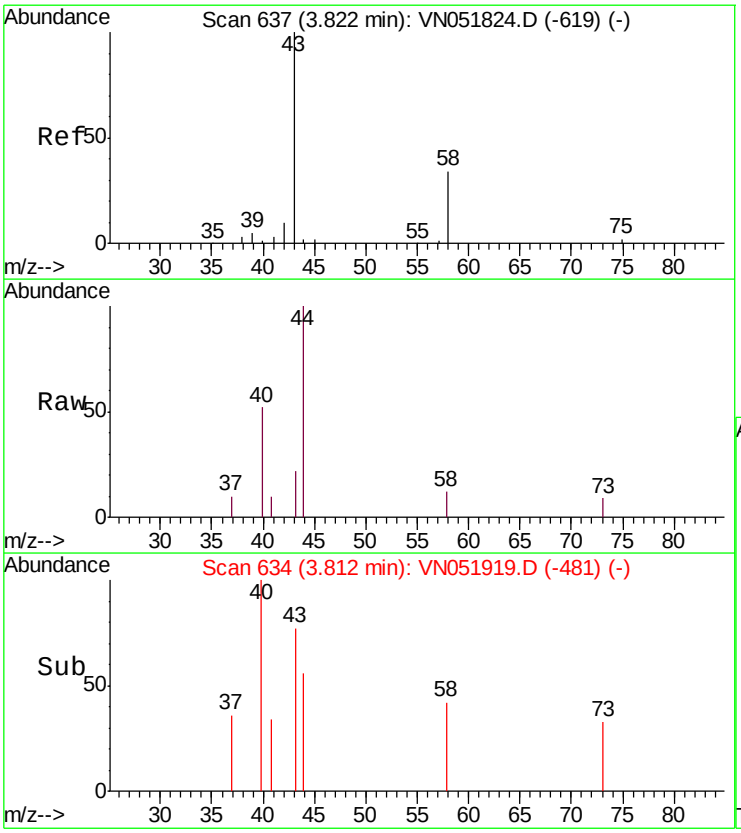
#13
Acrolein
Concen: 1.007 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 56 Resp: 284

Ion	Ratio	Lower	Upper
56	100		
55	38.4	64.0	96.0#

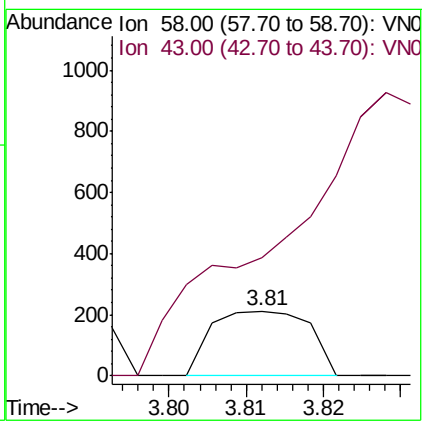


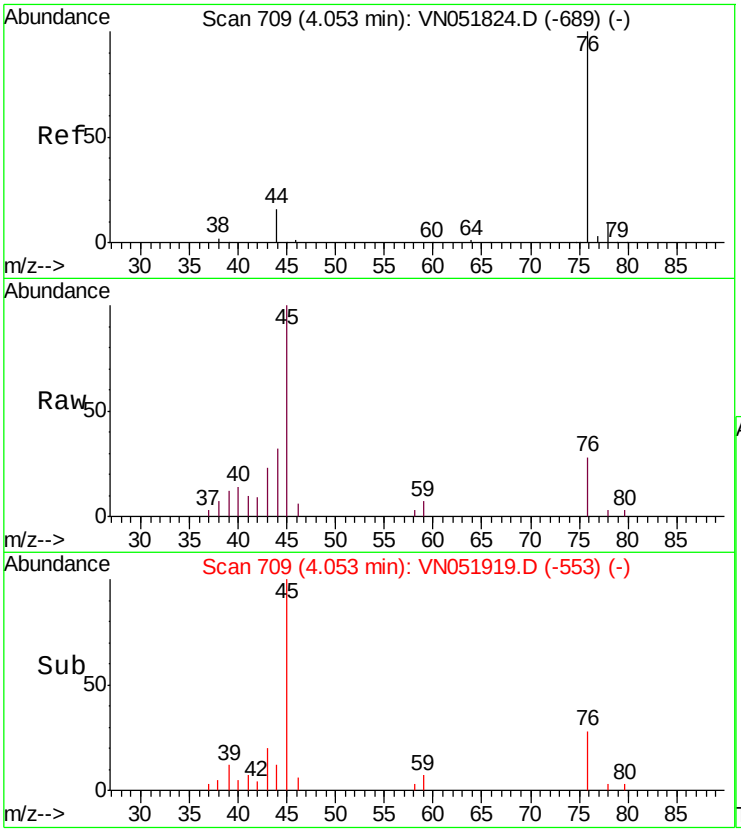


#15
Acetone
Concen: 0.393 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.01 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 58 Resp: 186

Ion	Ratio	Lower	Upper
58	100		
43	40.8	232.2	348.2#



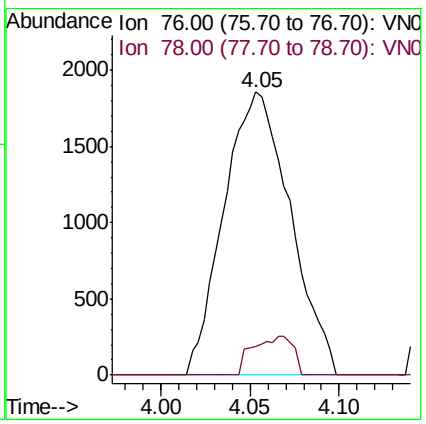


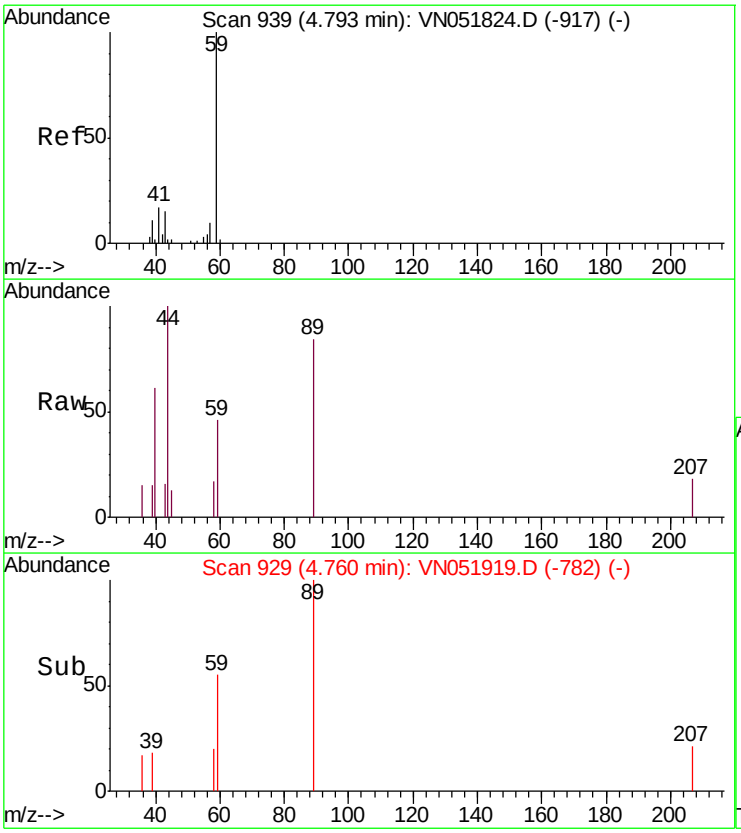
#16
Carbon Disulfide
Concen: 0.266 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 76 Resp: 4810

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.7	10.1#

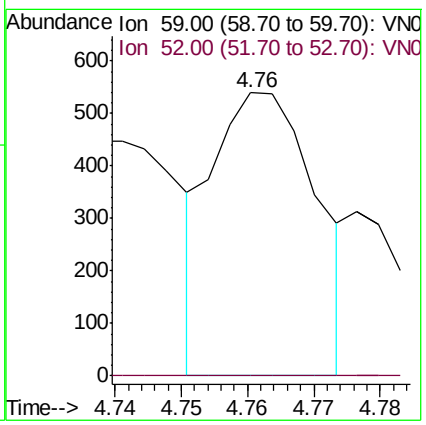


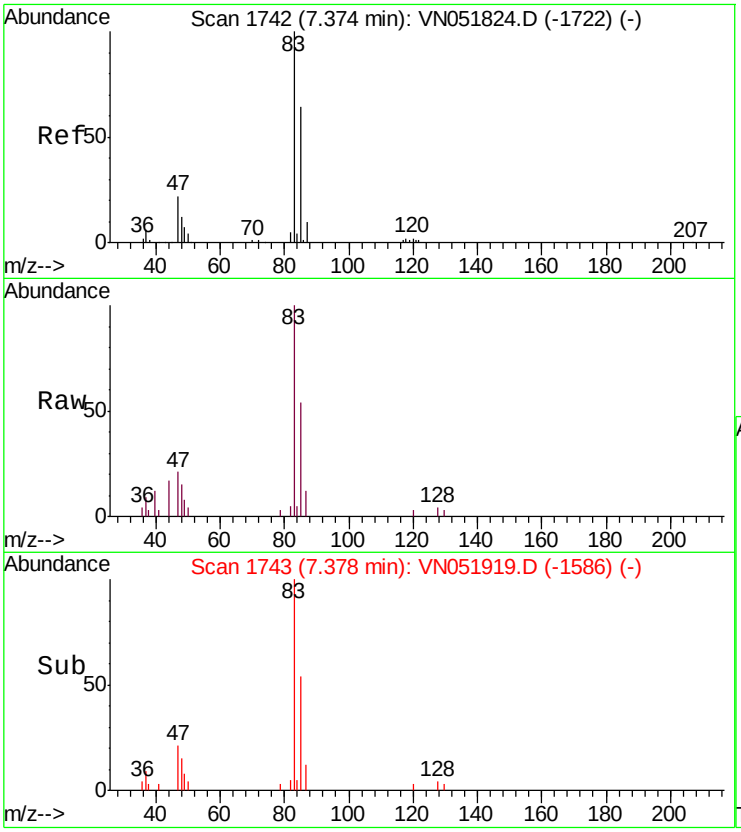


#23
tert-Butyl Alcohol
Concen: 1.161 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.03 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 59 Resp: 585

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



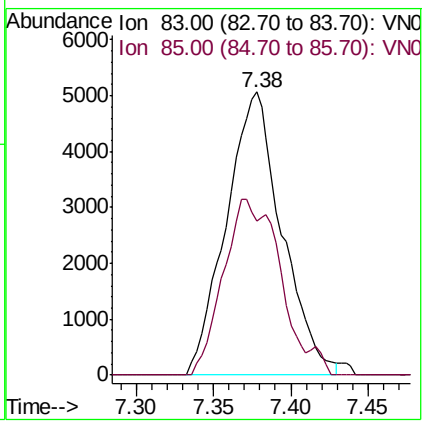


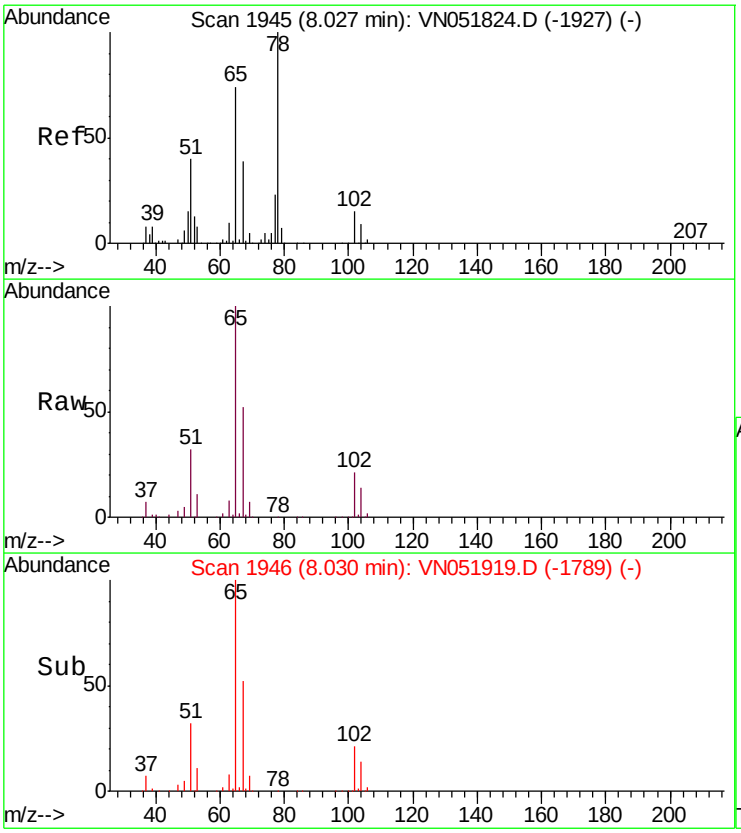
#25
Chloroform
Concen: 0.839 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 83 Resp: 12675

Ion	Ratio	Lower	Upper
83	100		
85	54.4	54.6	82.0#

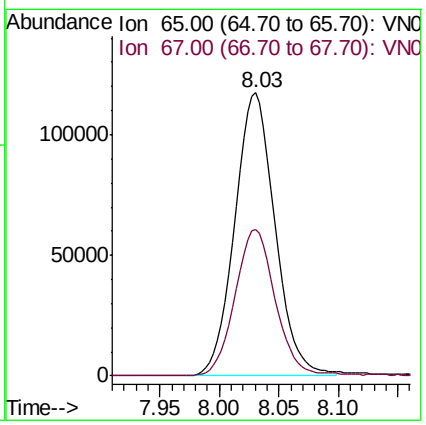


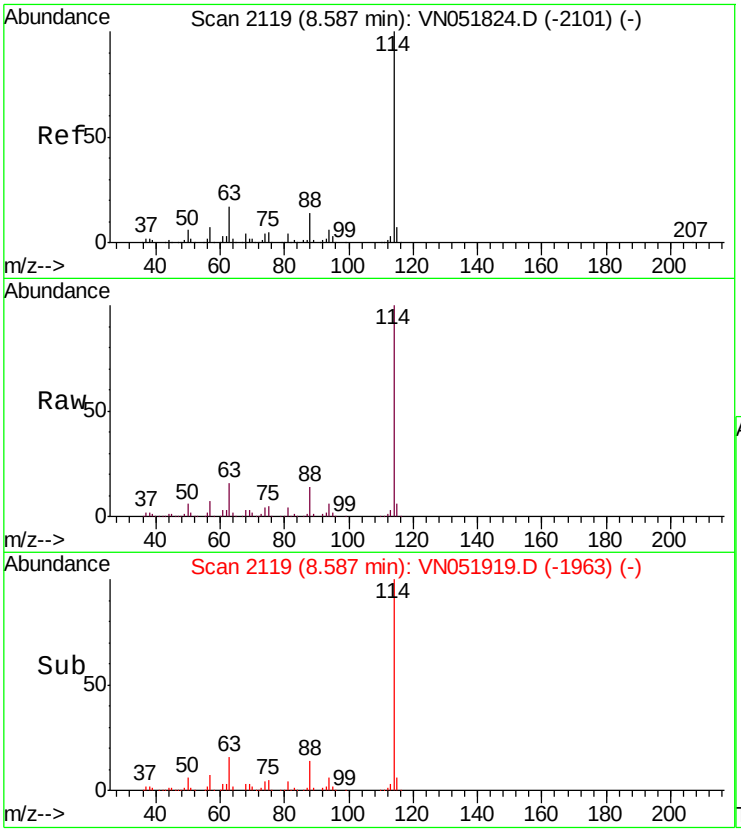


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 65 Resp: 275583

Ion	Ratio	Lower	Upper
65	100		
67	51.8	41.8	62.8



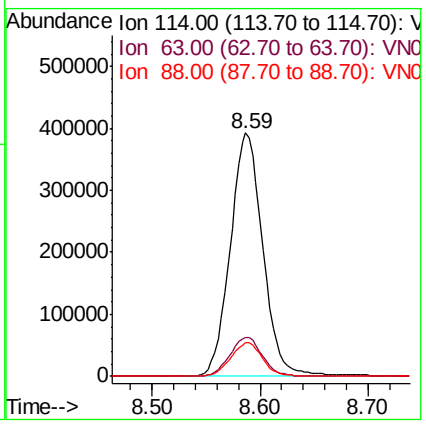


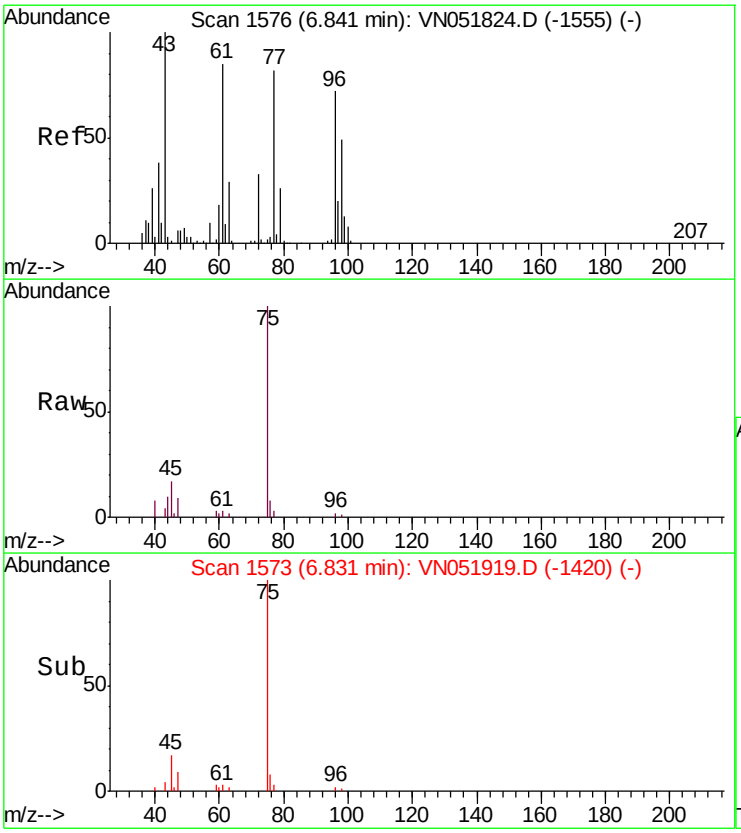
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:114 Resp: 824332

Ion	Ratio	Lower	Upper
114	100		
63	16.0	16.2	24.2#
88	13.8	12.2	18.4

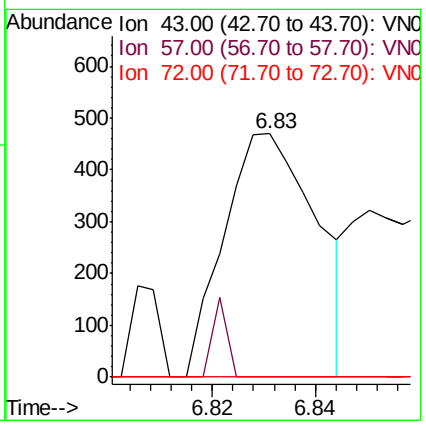


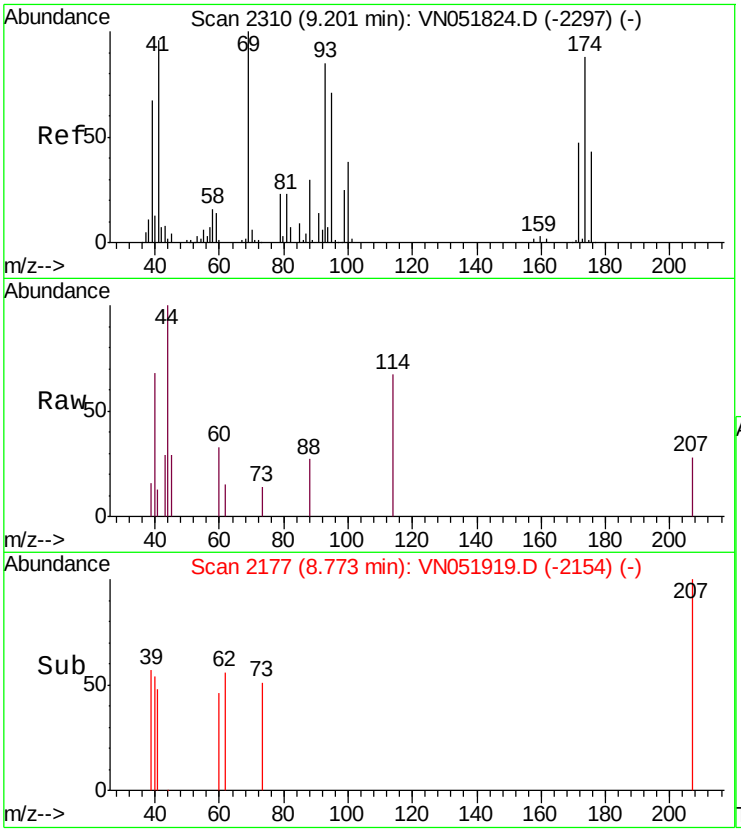


#30
2-Butanone
Concen: 0.263 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 43 Resp: 584

Ion	Ratio	Lower	Upper
43	100		
57	0.0	4.5	6.7#
72	0.0	21.5	32.3#



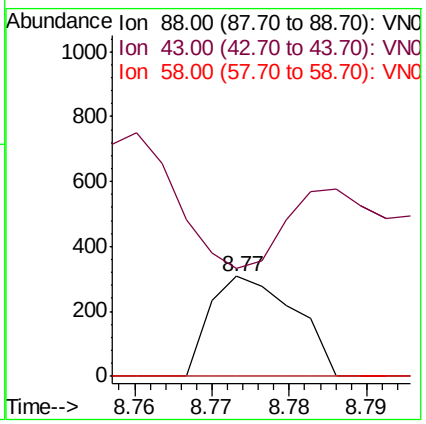


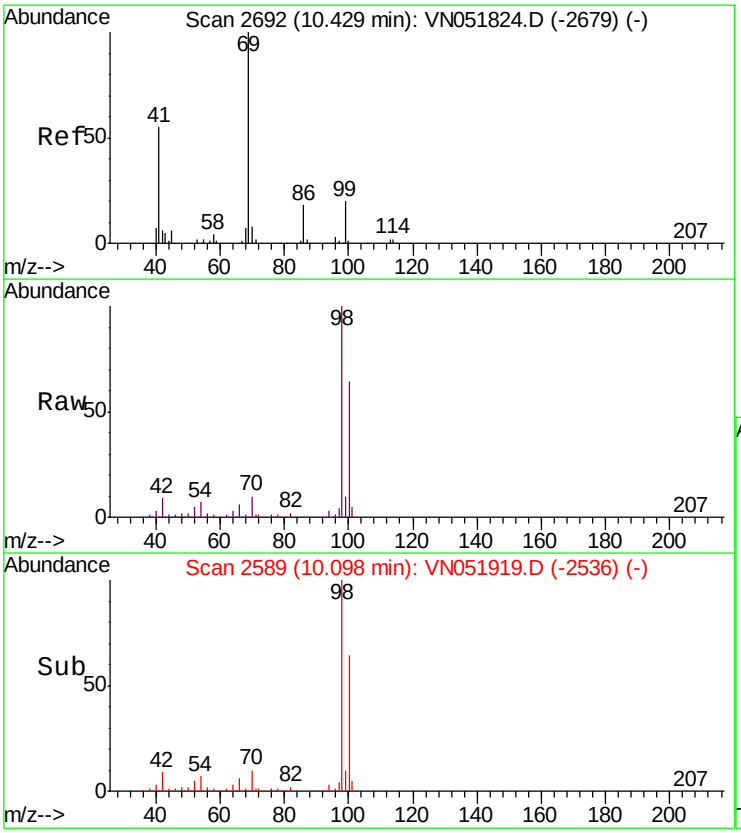
#45
1,4-Dioxane
Concen: 3.026 ug/l
RT: 8.77 min Scan# 2177
Delta R.T. -0.43 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 88 Resp: 234

Ion	Ratio	Lower	Upper
88	100		
43	83.3	26.2	39.2#
58	0.0	65.6	98.4#

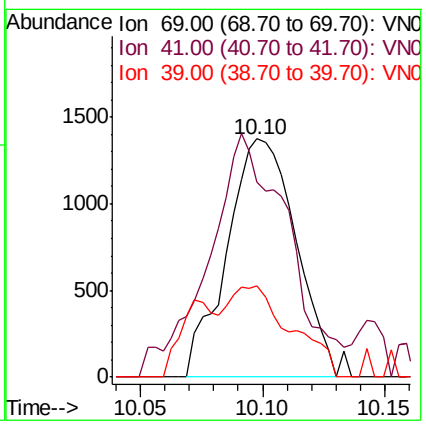


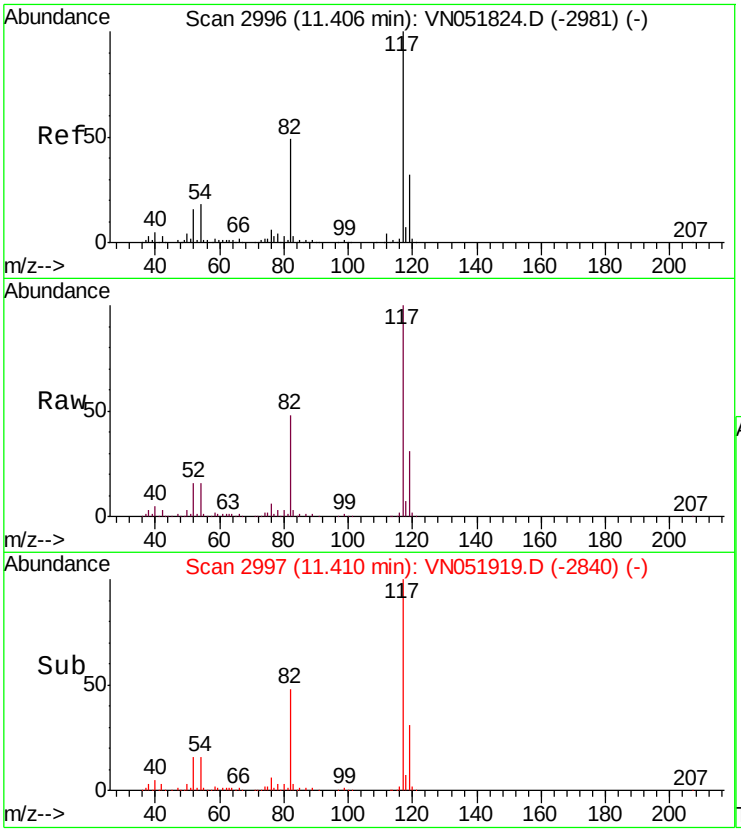


#51
Ethyl methacrylate
Concen: 0.309 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.33 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 69 Resp: 2682

Ion	Ratio	Lower	Upper
69	100		
41	66.4	34.4	103.1
39	38.5	16.3	48.8



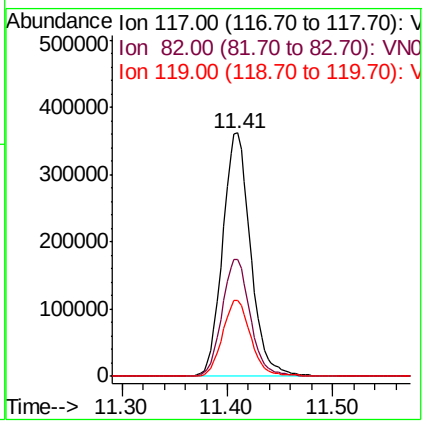


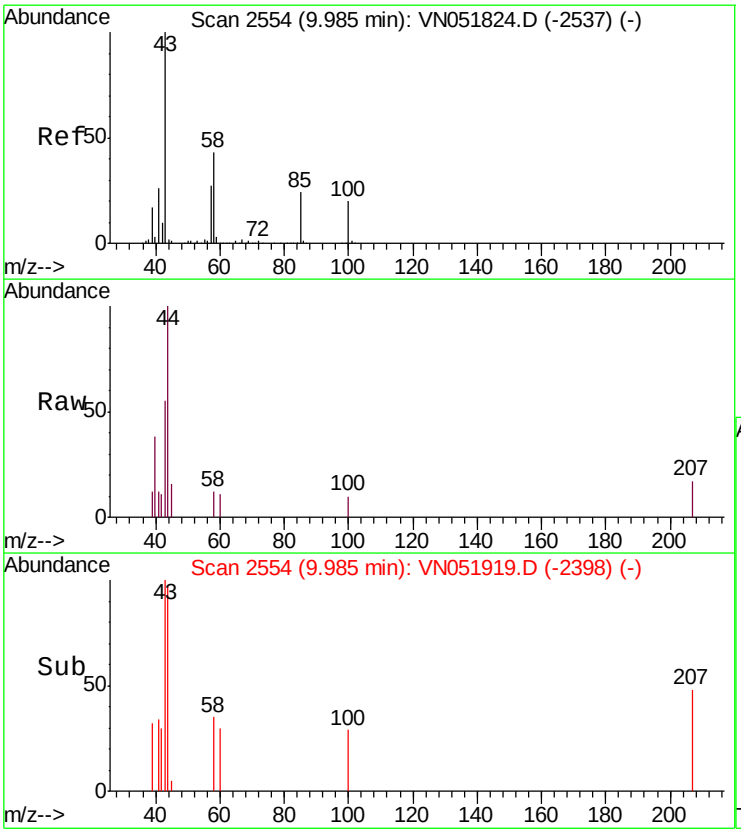
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:117 Resp: 663617

Ion	Ratio	Lower	Upper
117	100		
82	48.5	44.1	66.1
119	31.6	25.8	38.8

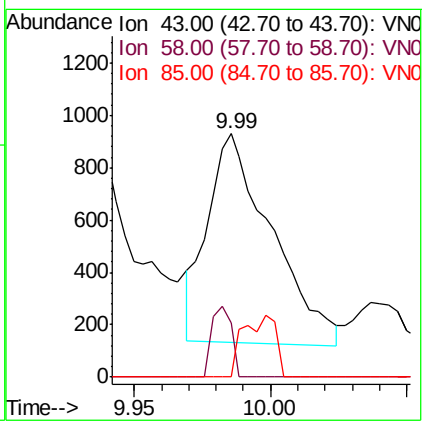


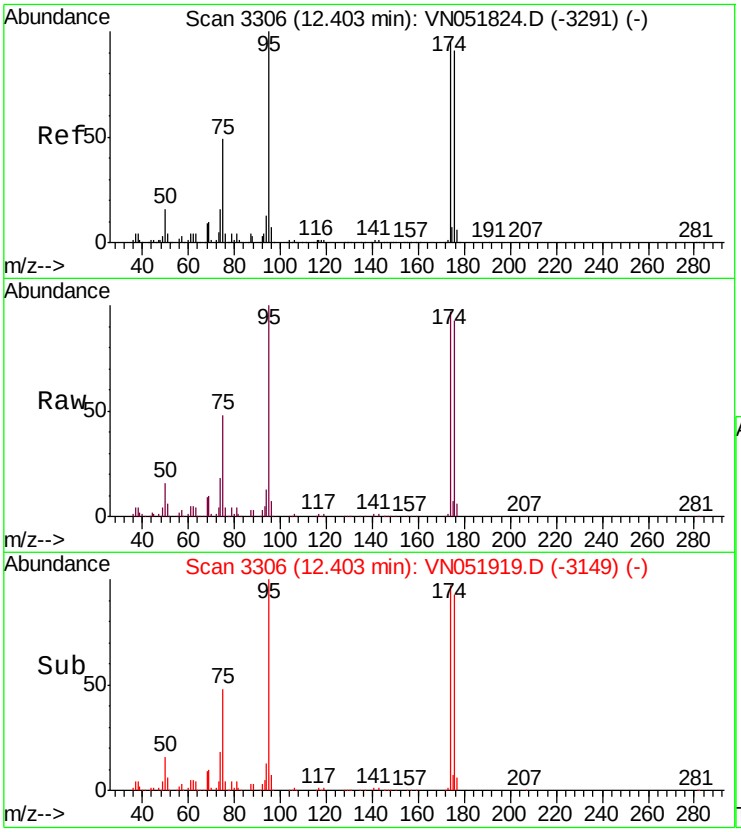


#58
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 43 Resp: 1304

Ion	Ratio	Lower	Upper
43	100		
58	10.5	29.3	43.9#
85	8.2	12.6	18.8#



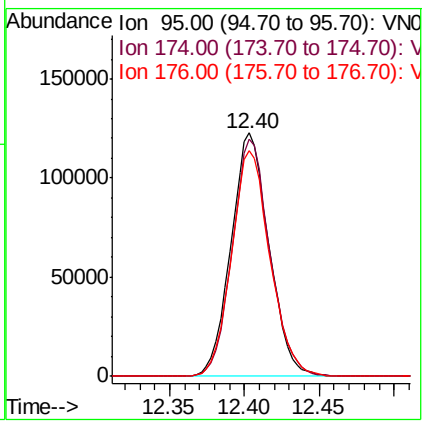


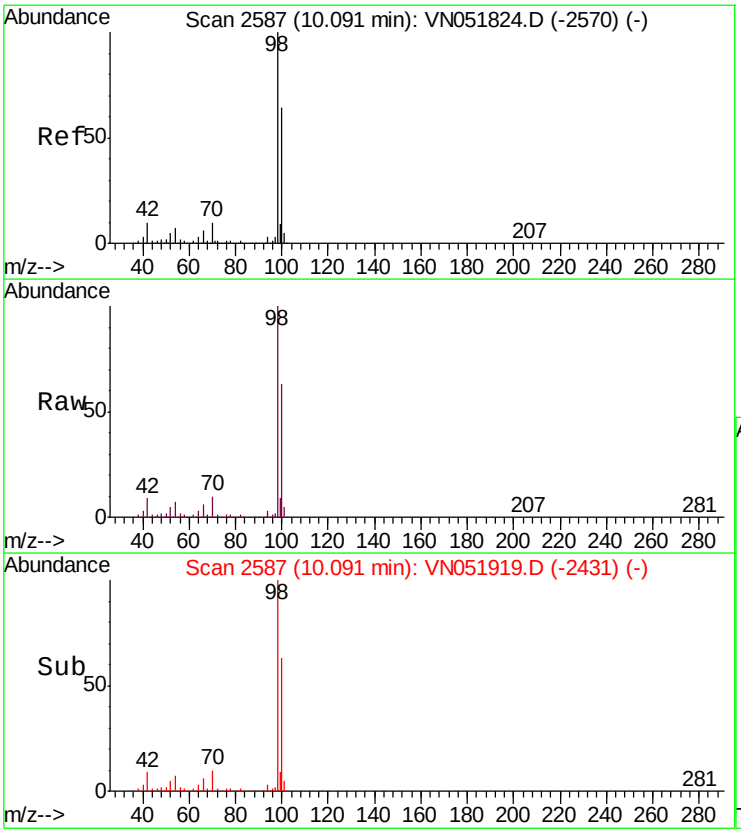
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 95 Resp: 216232

Ion	Ratio	Lower	Upper
95	100		
174	96.6	73.5	110.3
176	93.9	70.2	105.2

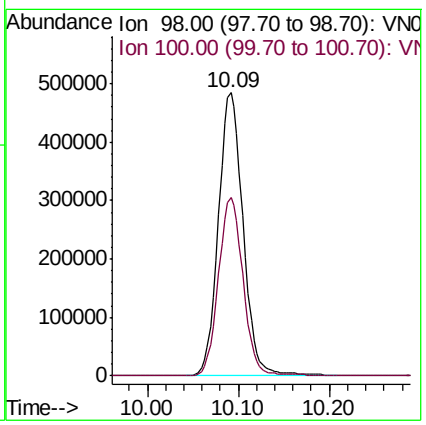


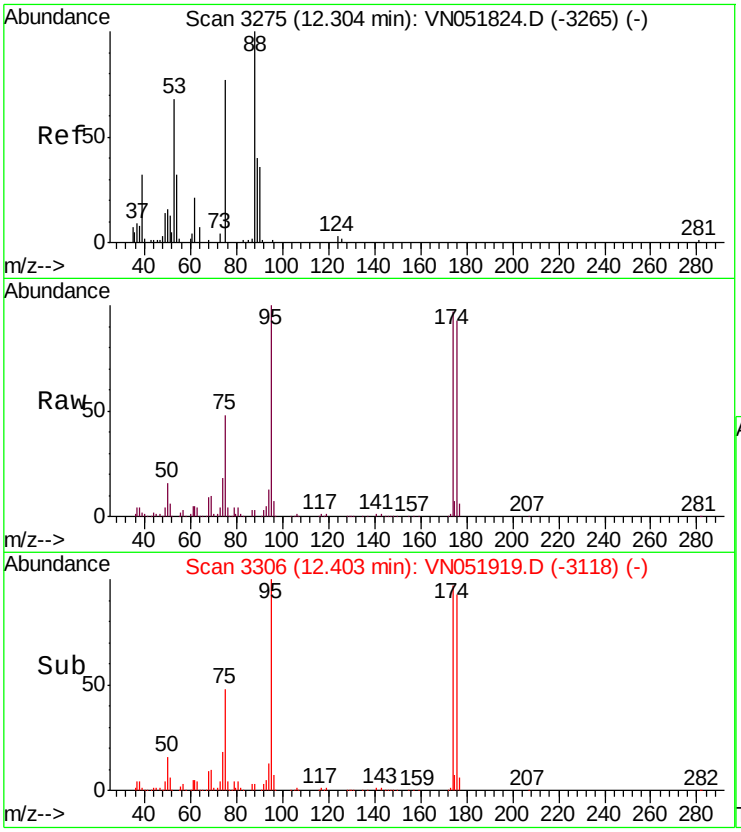


#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion: 98 Resp: 914529

Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.8	76.2



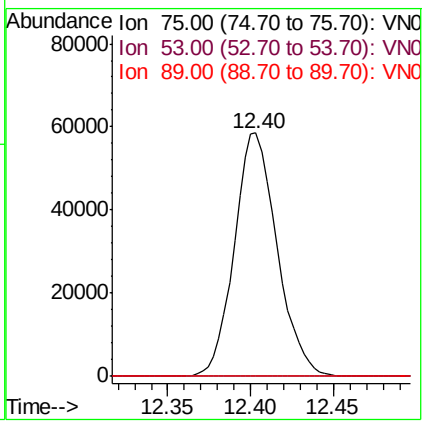


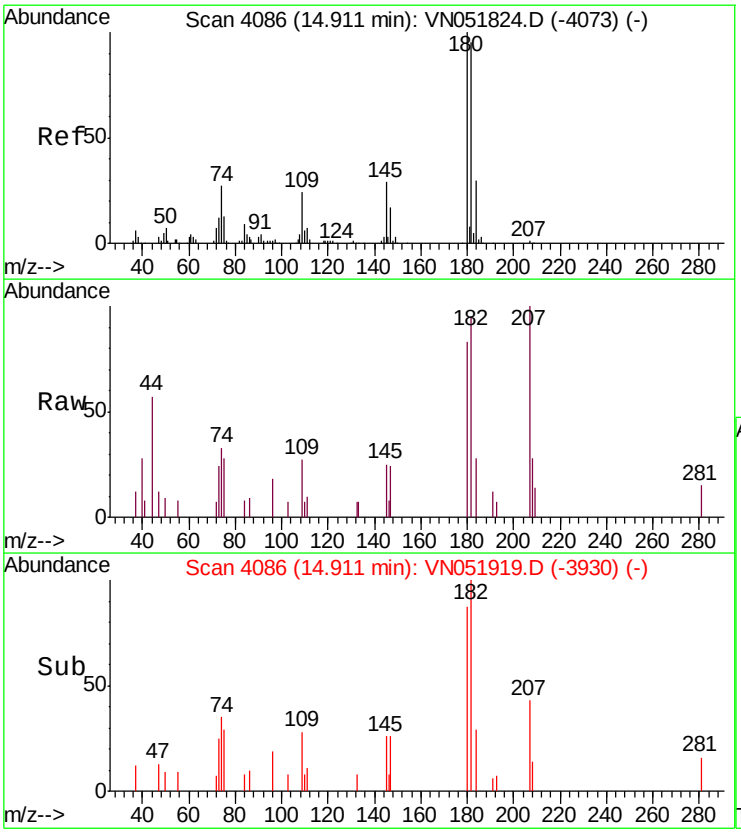
#77
t-1,4-Dichloro-2-butene
Concen: 52.557 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion: 75 Resp: 104868

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

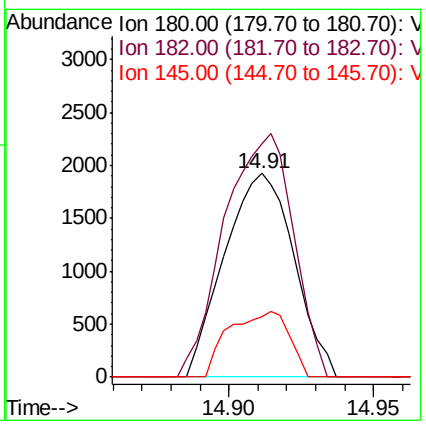


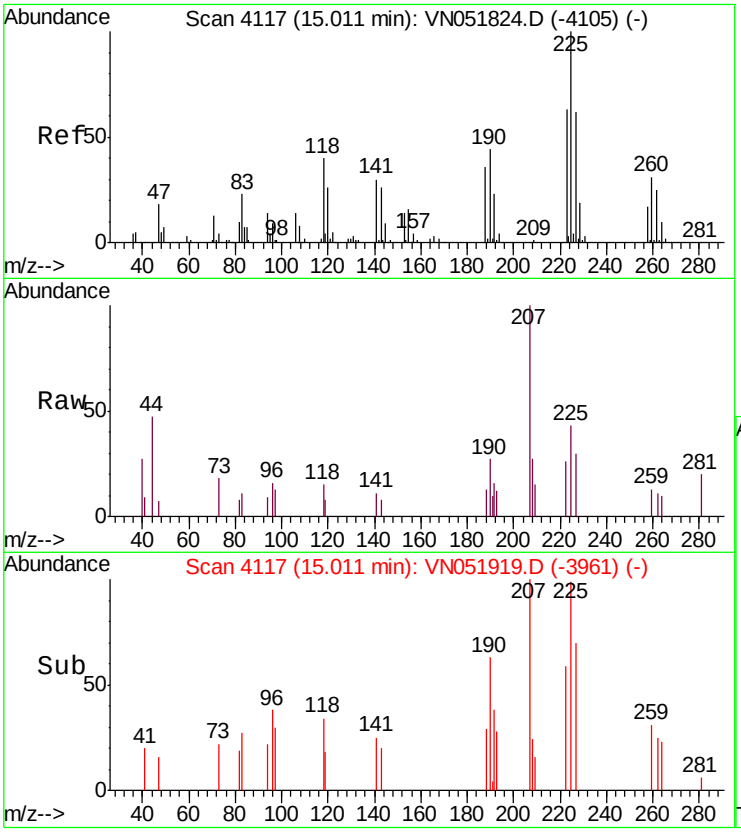


#89
1,2,4-Trichlorobenzene
Concen: 8.023 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion:180 Resp: 3210

Ion	Ratio	Lower	Upper
180	100		
182	118.3	77.7	116.5#
145	27.6	23.4	35.2



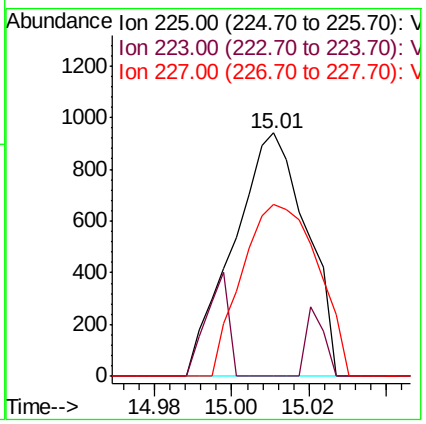


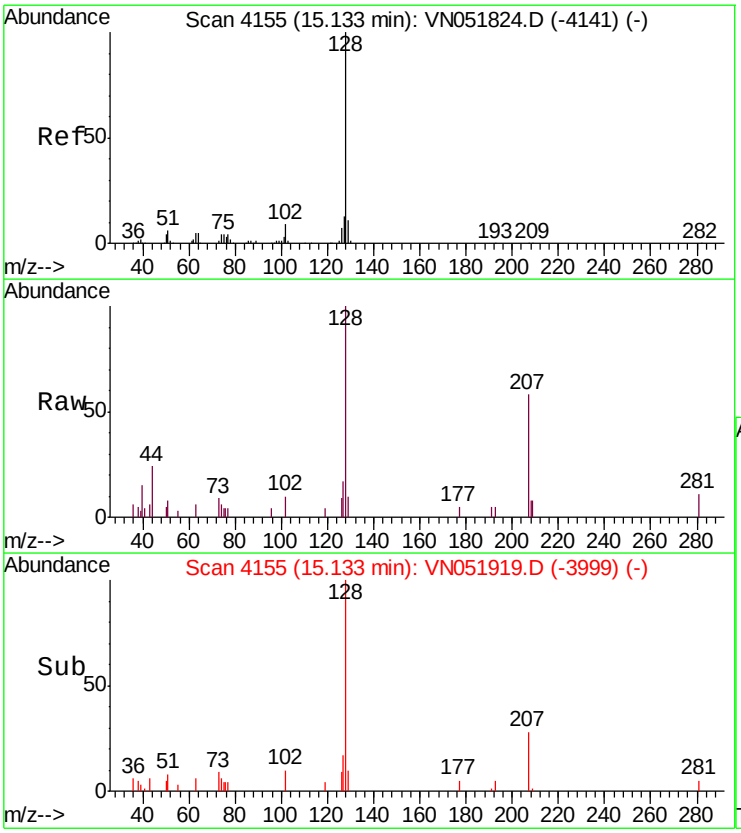
#90
Hexachlorobutadiene
Concen: 0.233 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:225 Resp: 1233

Ion	Ratio	Lower	Upper
225	100		
223	6.9	0.0	117.0
227	73.2	0.0	127.0

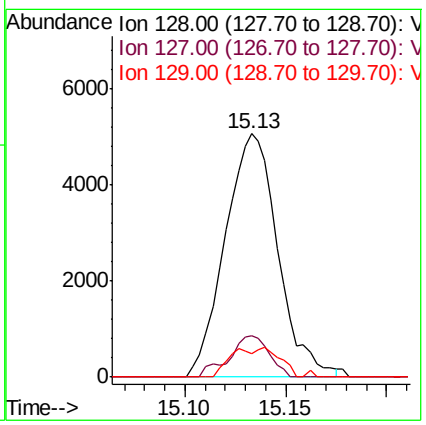


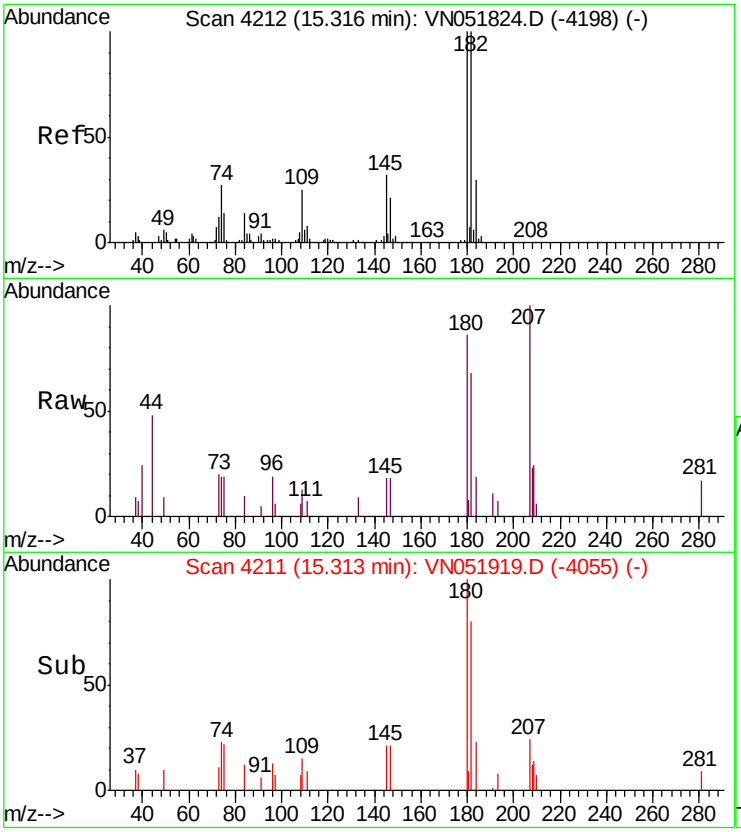


#91
Naphthalene
Concen: 8.944 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Tgt Ion:128 Resp: 9224

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.1	15.1
129	5.7	8.4	12.6#





#92
1,2,3-Trichlorobenzene
Concen: 0.561 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051919.D
Acq: 18 Oct 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:180 Resp: 4197

Ion	Ratio	Lower	Upper
180	100		
182	85.8	0.0	198.0
145	17.1	0.0	36.8