Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091918\
Data File : VN051311.D
Acq On : 19 Sep 2018 11:35
Operator : MD\SY
Sample : VN0919WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Sep 19 15:55:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	103245	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	535224	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	418706	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	187275	28.42	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 94.73%			
60) 4-Bromofluorobenzene	12.40	95	120706	19.39	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 64.63%			
63) Toluene-d8	10.09	98	605783	31.02	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 103.40%			
Target Compounds						Qvalue
3) Chloromethane	2.06	50	1750	0.231	ug/l	95
5) Bromomethane	2.57	94	2098	0.460	ug/l	87
12) Methyl Acetate	4.33	43	4085	0.633	ug/l	98
13) Acrolein	3.62	56	60	0.420	ug/l #	1
15) Acetone	3.82	58	114	0.204	ug/l #	1
16) Carbon Disulfide	4.06	76	3863	0.230	ug/l #	75
23) tert-Butyl Alcohol	4.75	59	113	0.244	ug/l #	100
44) Isopropyl Acetate	8.22	43	10728	1.204	ug/l #	58
51) Ethyl methacrylate	10.09	69	1851	0.267	ug/l	93
58) 4-Methyl-2-Pentanone	9.99	43	1374	0.287	ug/l #	59
59) 2-Hexanone	10.75	43	1050	0.335	ug/l #	80
77) t-1,4-Dichloro-2-butene	12.40	75	55057	35.001	ug/l #	13
89) 1,2,4-Trichlorobenzene	14.91	180	1623	0.352	ug/l #	92
90) Hexachlorobutadiene	15.01	225	4190	1.339	ug/l	89
91) Naphthalene	15.13	128	3073	8.792	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.31	180	2119	0.458	ug/l	87

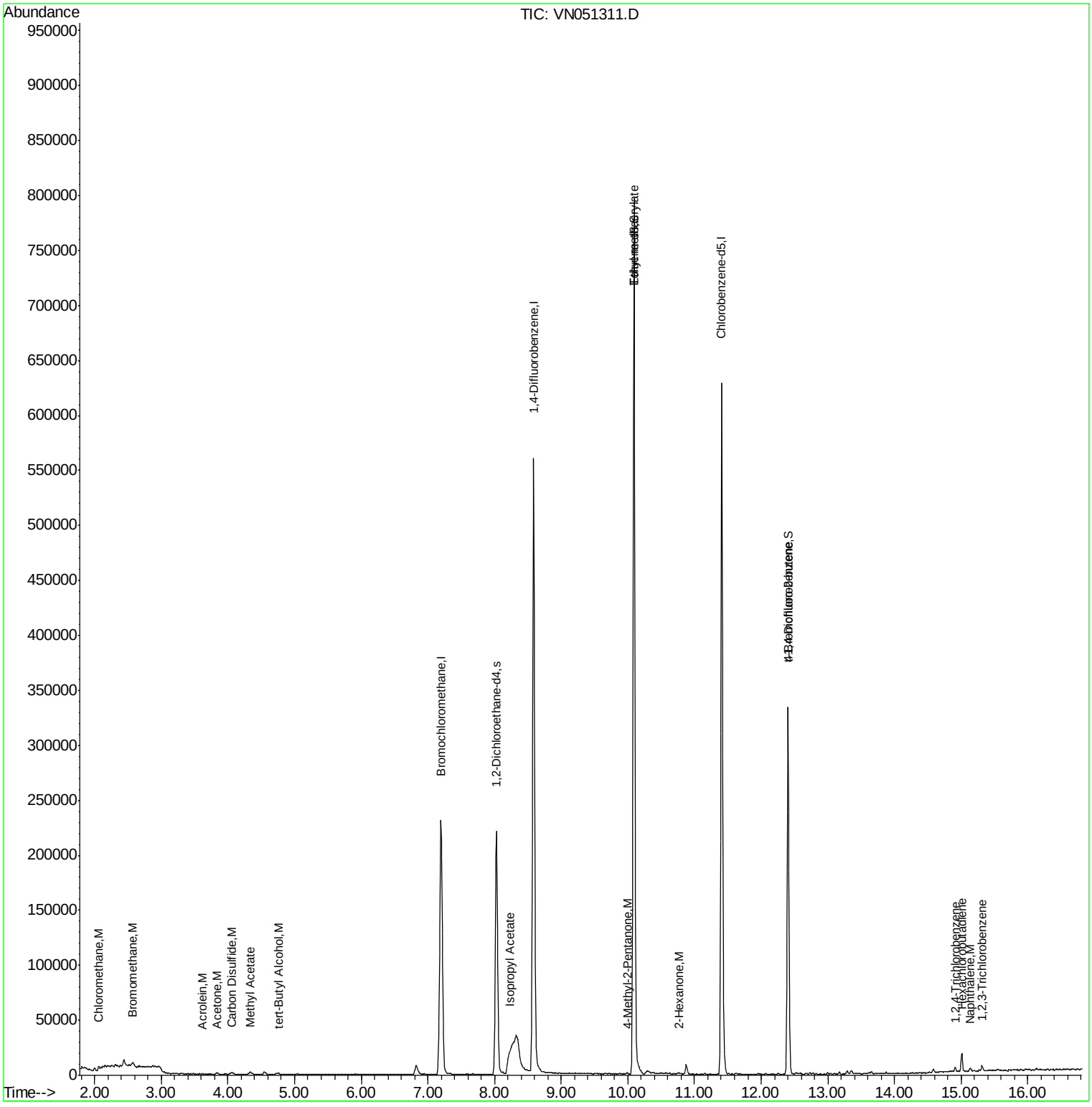
(#) = qualifier out of range (m) = manual integration (+) = signals summed

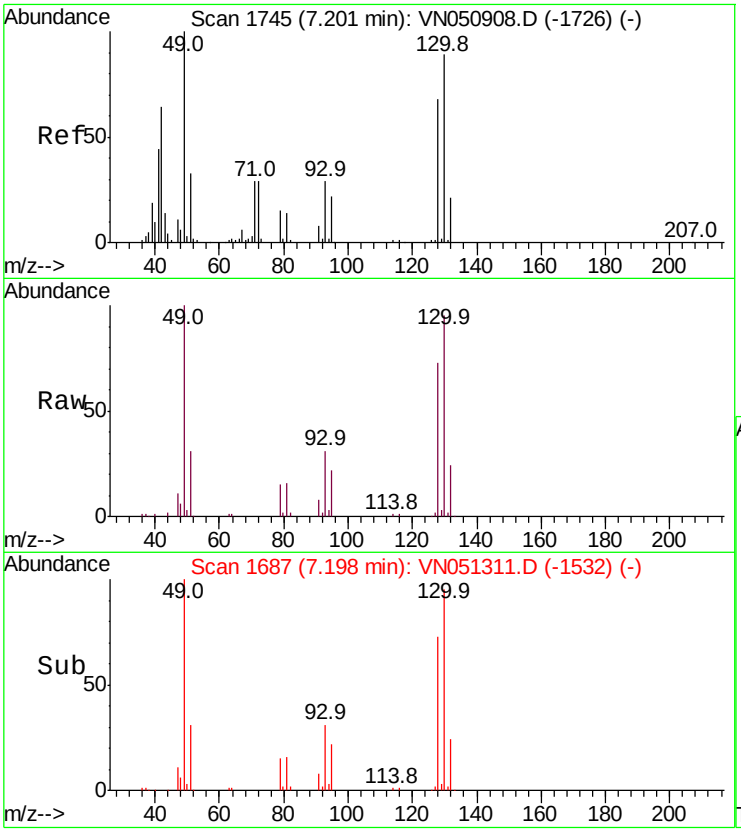
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091918\
Data File : VN051311.D
Acq On : 19 Sep 2018 11:35
Operator : MD\SY
Sample : VN0919WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 19 15:55:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration



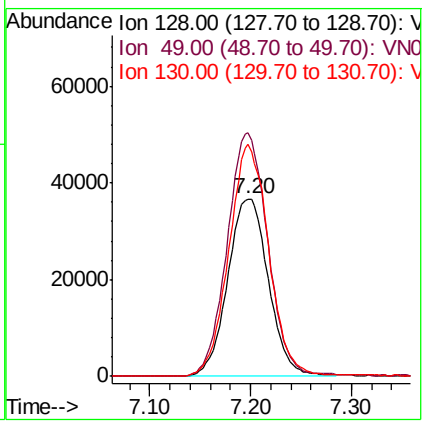


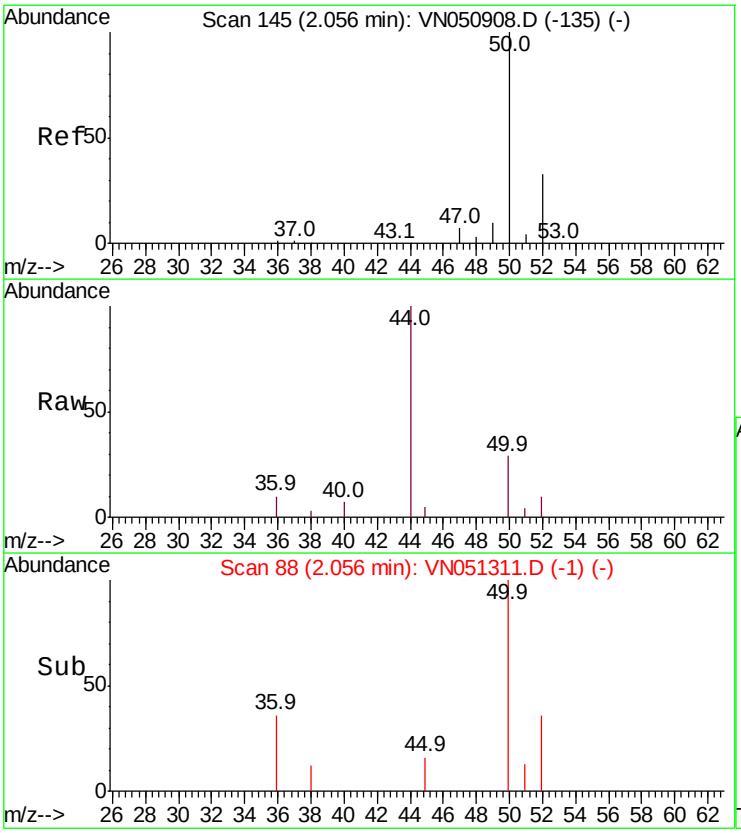
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 103245

Ion	Ratio	Lower	Upper
128	100		
49	135.8	0.0	380.3
130	127.6	0.0	325.3

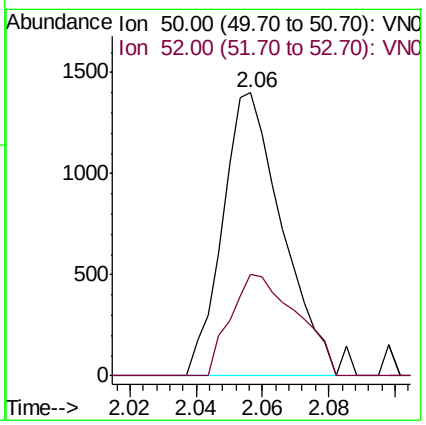


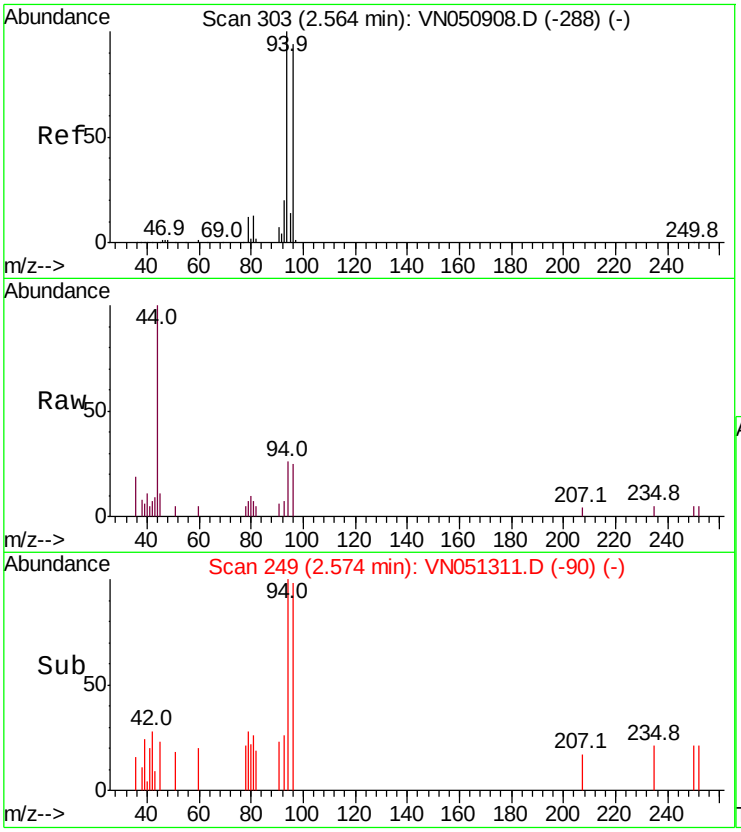


#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 50 Resp: 1750

Ion	Ratio	Lower	Upper
50	100		
52	35.7	26.2	39.4



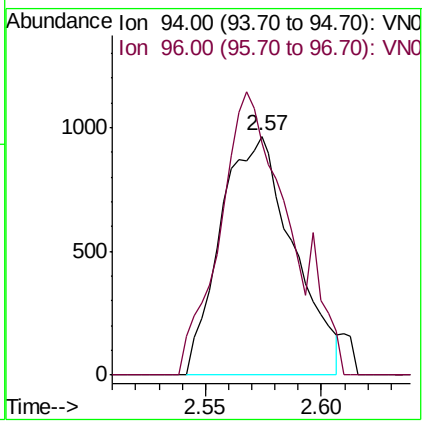


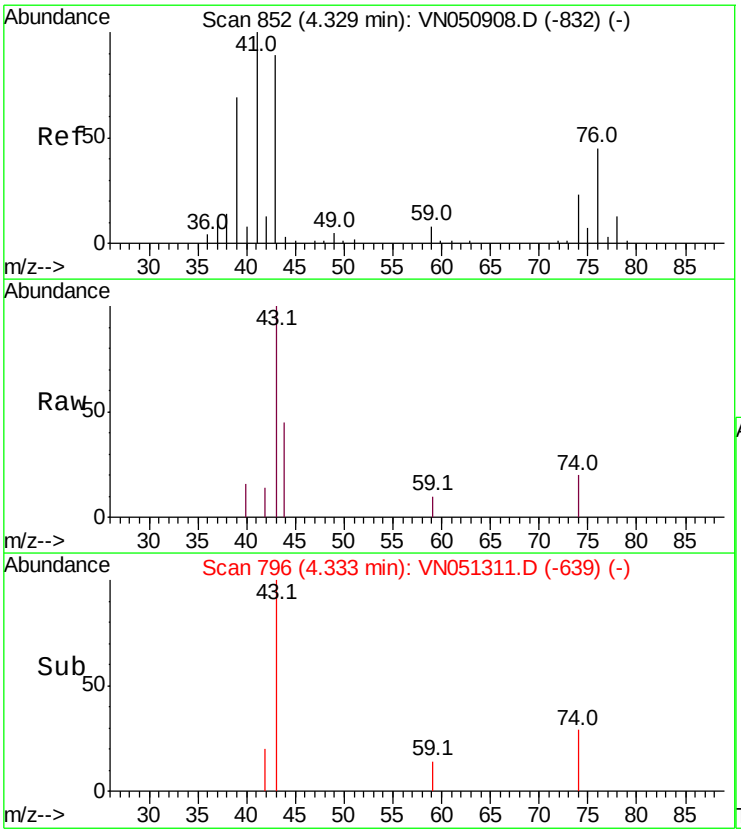
#5
Bromomethane
Concen: 0.460 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.01 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 2098

Ion	Ratio	Lower	Upper
94	100		
96	81.3	74.9	112.3

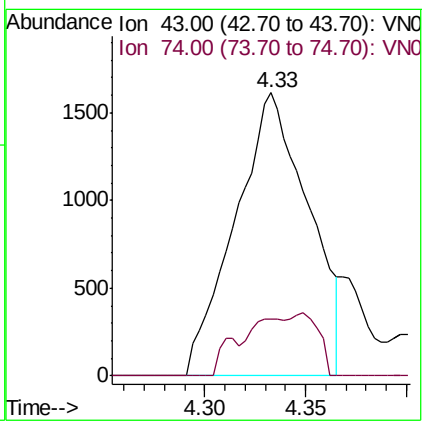


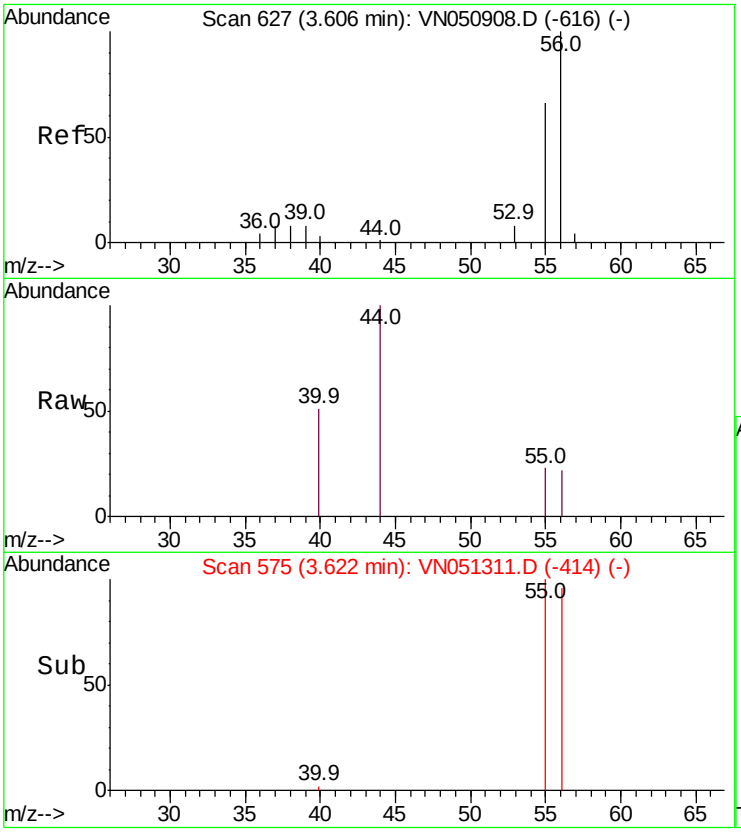


#12
Methyl Acetate
Concen: 0.633 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 43 Resp: 4085

Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.6	31.0



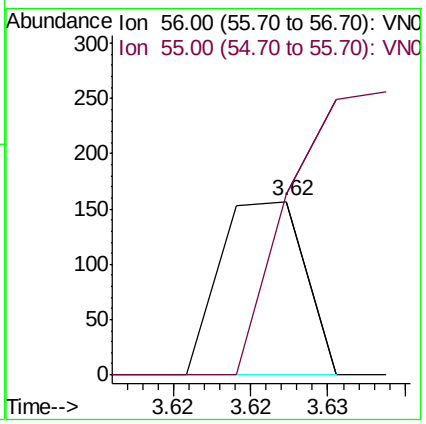


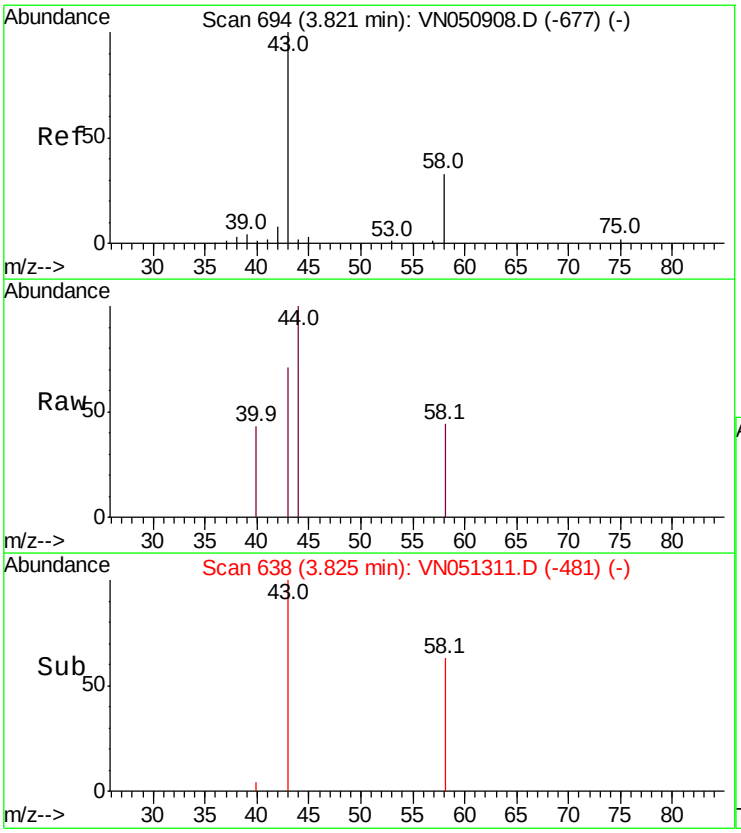
#13
Acrolein
Concen: 0.420 ug/l
RT: 3.62 min Scan# 575
Delta R.T. 0.02 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 60

Ion	Ratio	Lower	Upper
56	100		
55	273.3	59.1	88.7#

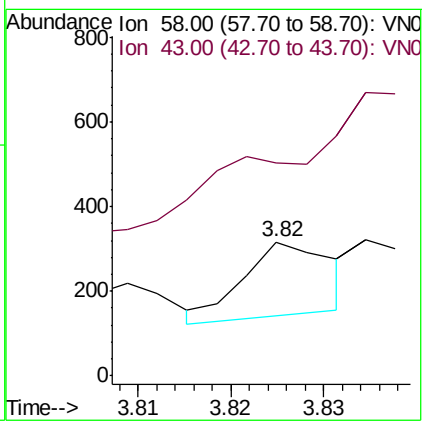


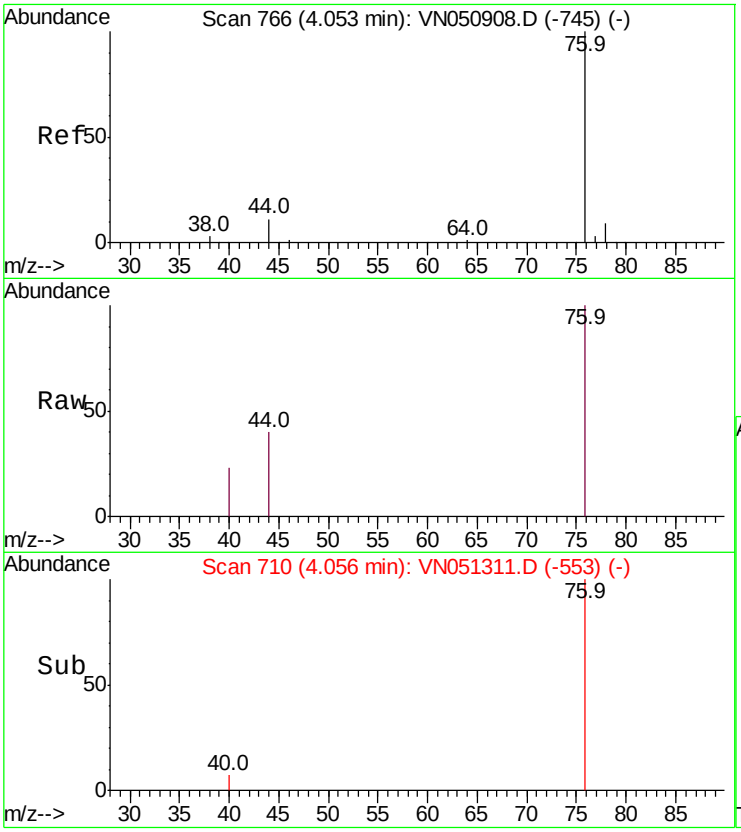


#15
Acetone
Concen: 0.204 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 58 Resp: 114

Ion	Ratio	Lower	Upper
58	100		
43	55.0	239.4	359.0#



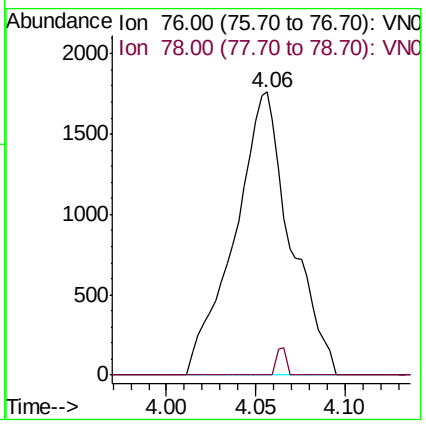


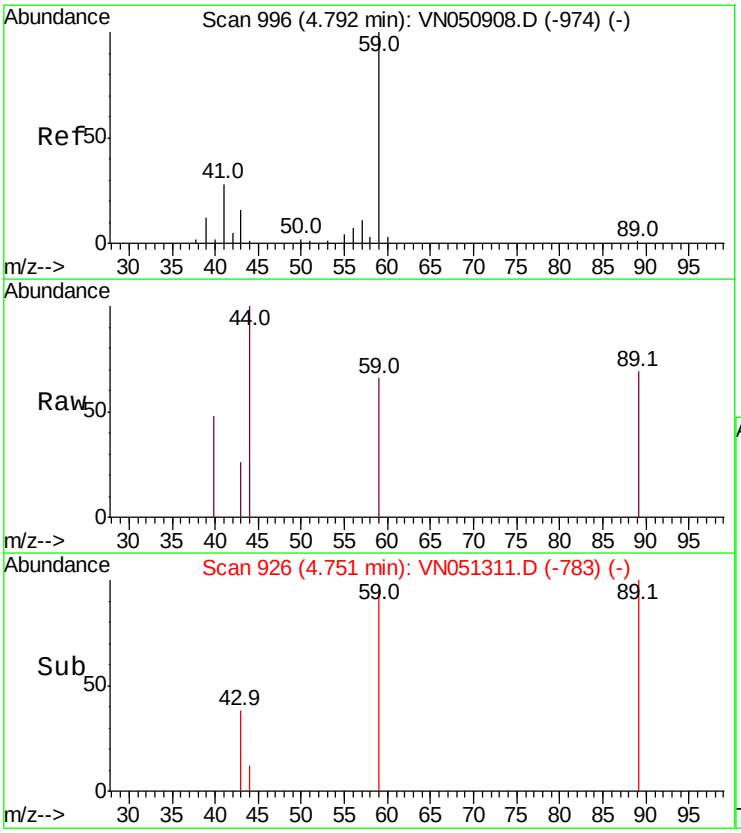
#16
Carbon Disulfide
Concen: 0.230 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 76 Resp: 3863

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

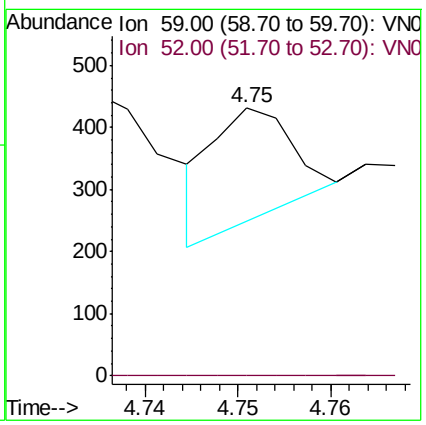


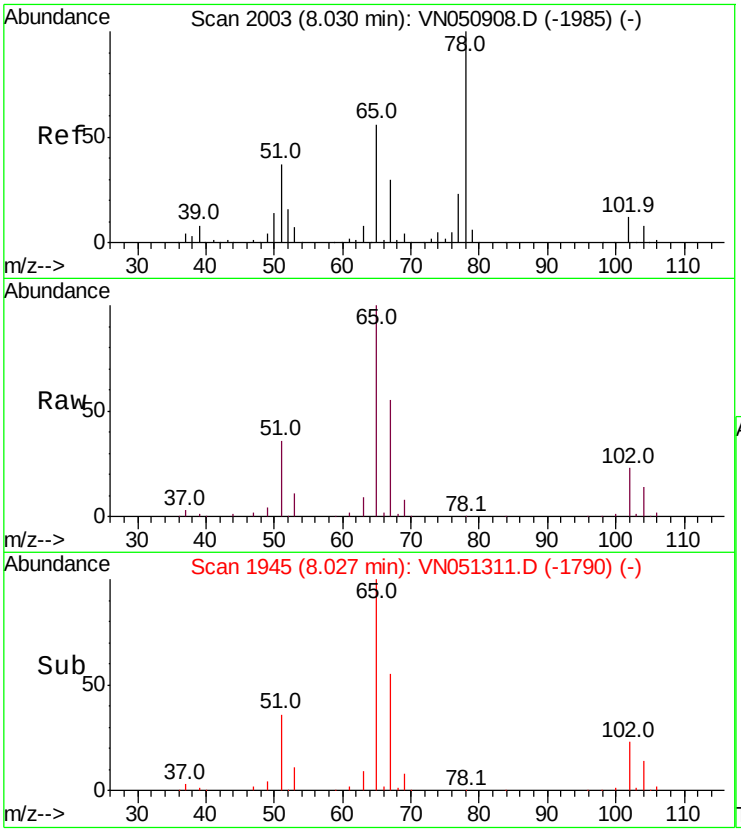


#23
tert-Butyl Alcohol
Concen: 0.244 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.04 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 59 Resp: 113

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#



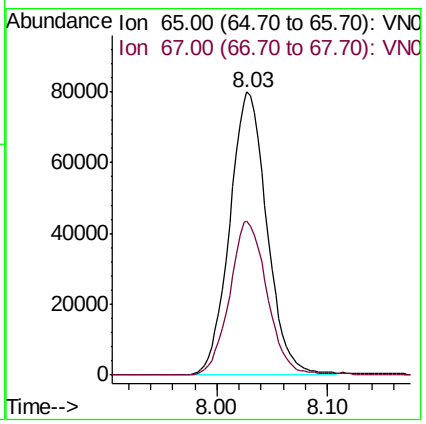


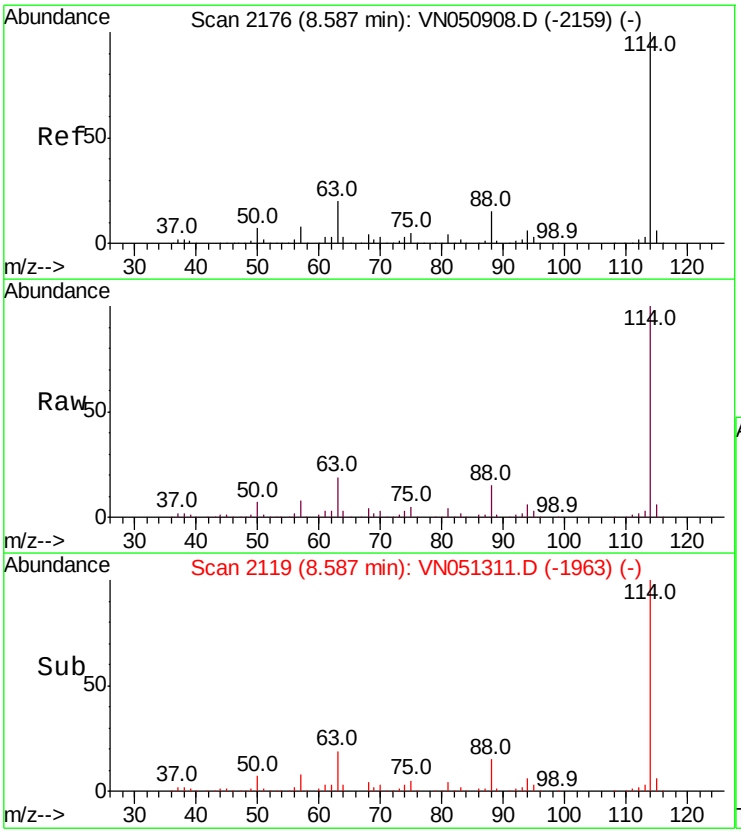
#27
1,2-Dichloroethane-d4
Concen: 28.425 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 187275

Ion	Ratio	Lower	Upper
65	100		
67	54.4	43.7	65.5

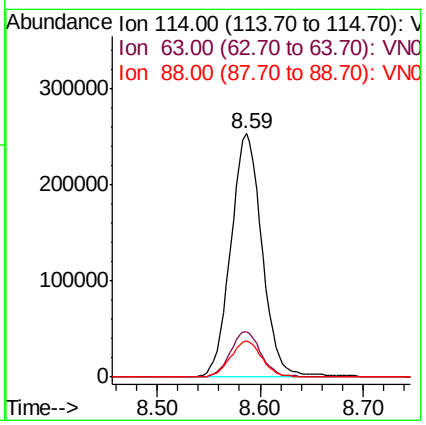


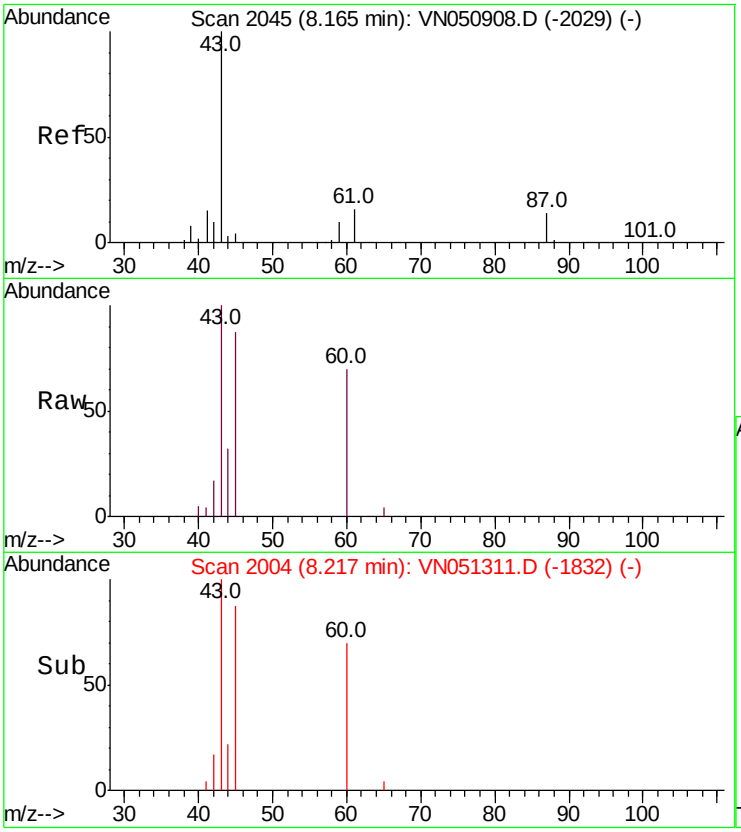


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion:114 Resp: 535224

Ion	Ratio	Lower	Upper
114	100		
63	18.5	15.6	23.4
88	15.0	12.2	18.4



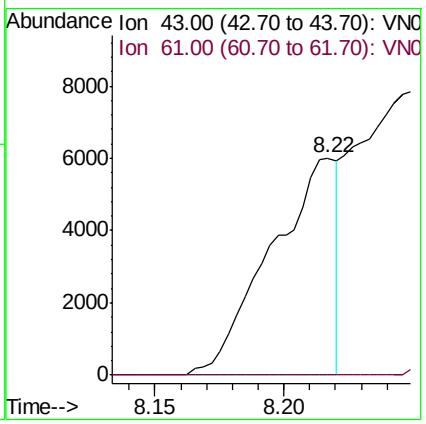


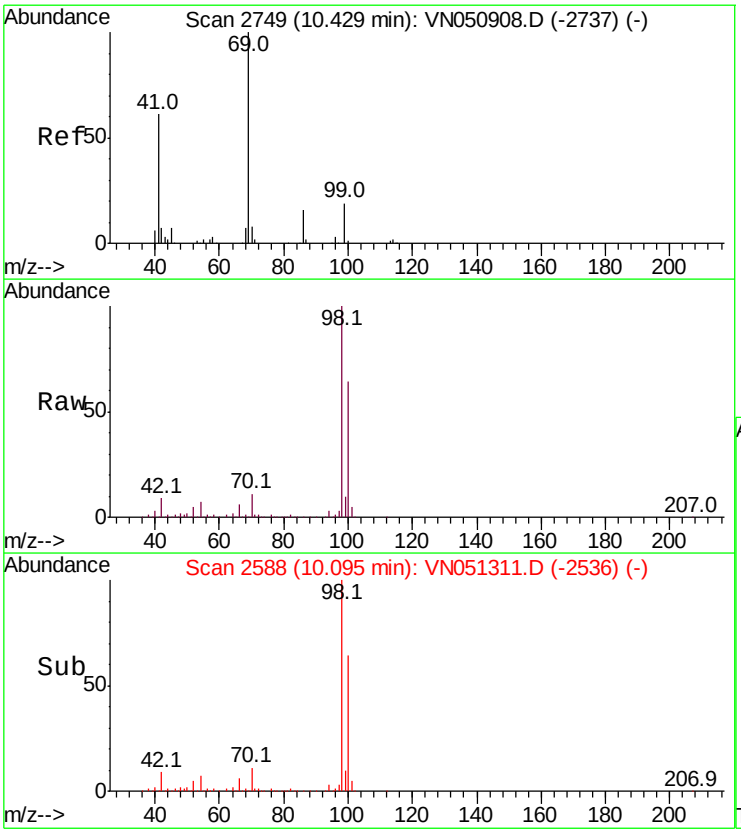
#44
Isopropyl Acetate
Concen: 1.204 ug/l
RT: 8.22 min Scan# 2004
Delta R.T. 0.05 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 10728

Ion	Ratio	Lower	Upper
43	100		
61	1.2	16.3	24.5#

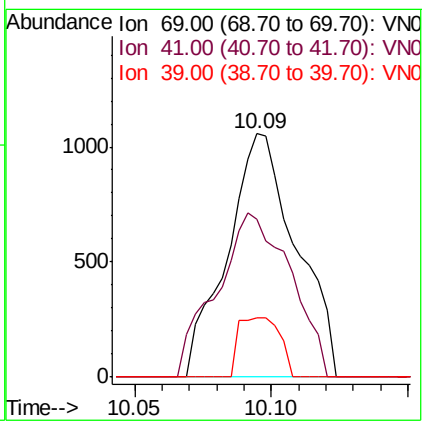


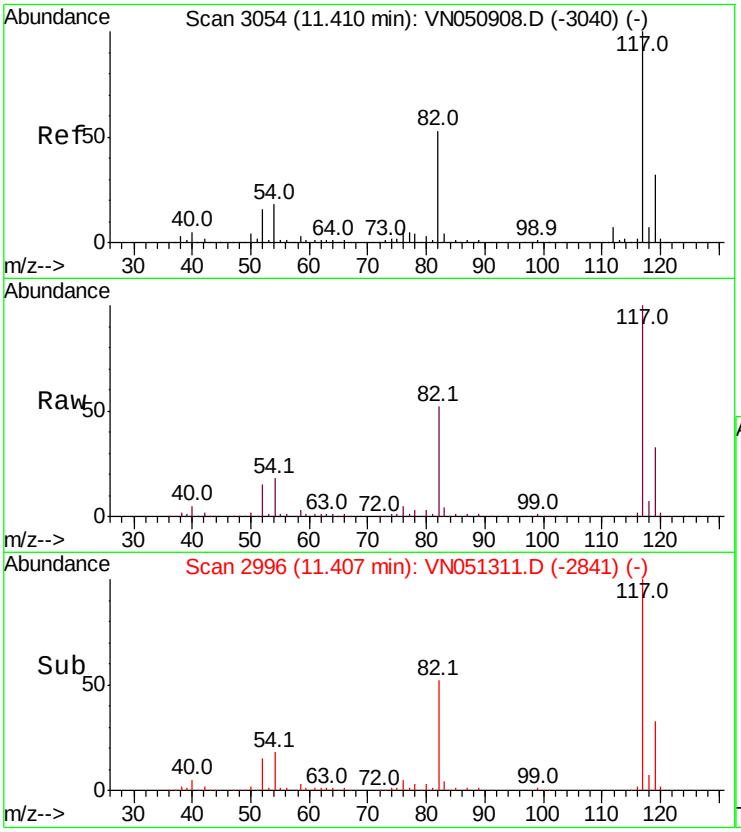


#51
Ethyl methacrylate
Concen: 0.267 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 69 Resp: 1851

Ion	Ratio	Lower	Upper
69	100		
41	64.6	30.5	91.5
39	24.4	15.3	45.8



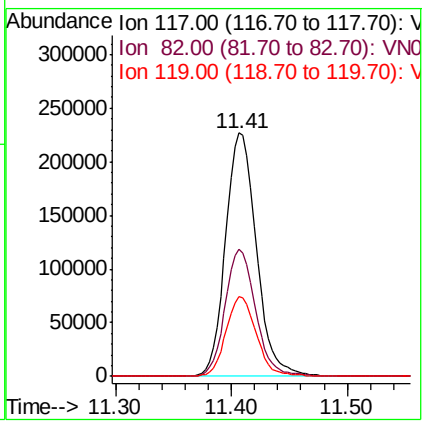


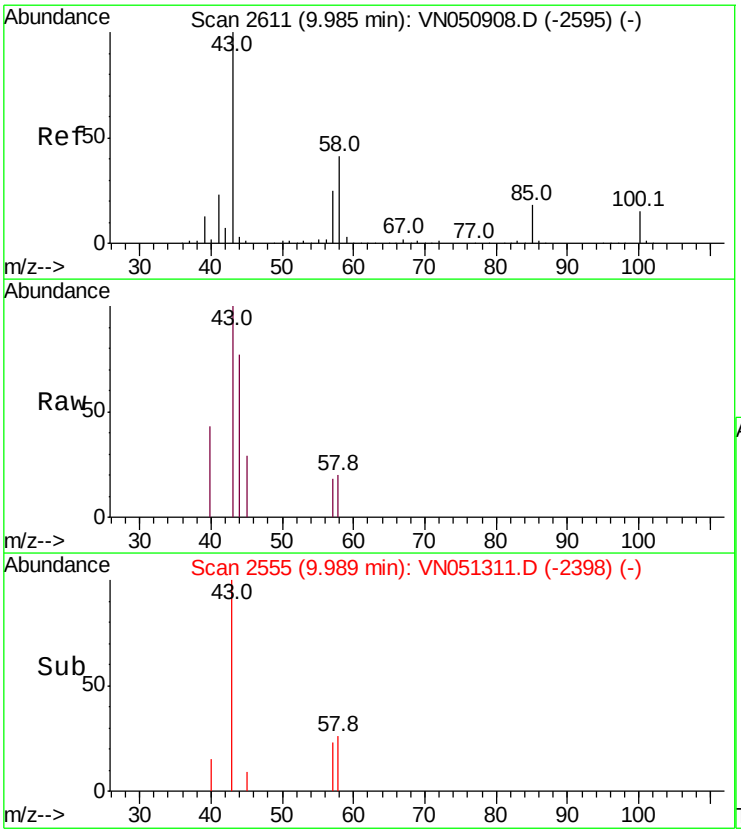
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 418706

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.6	64.0
119	32.1	25.7	38.5

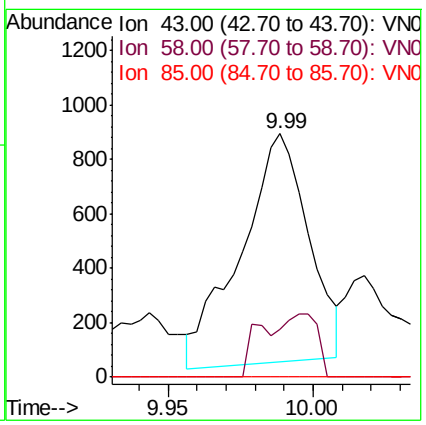


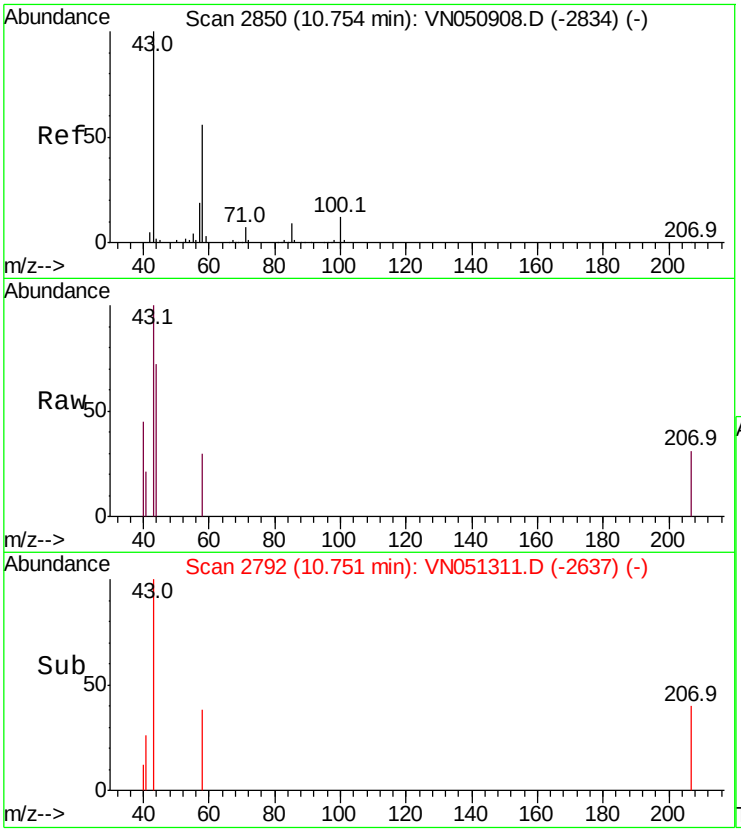


#58
4-Methyl-2-Pentanone
Concen: 0.287 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 43 Resp: 1374

Ion	Ratio	Lower	Upper
43	100		
58	14.7	32.3	48.5#
85	0.0	14.9	22.3#



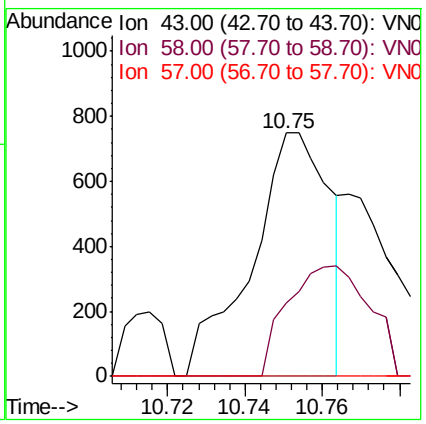


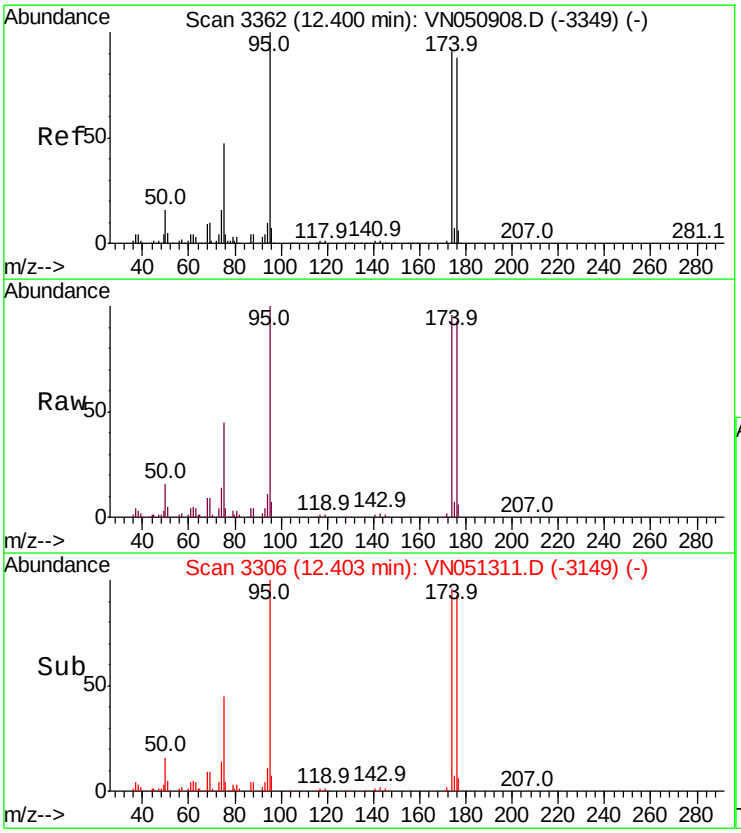
#59
2-Hexanone
Concen: 0.335 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 1050

Ion	Ratio	Lower	Upper
43	100		
58	47.5	45.5	68.3
57	0.0	15.2	22.8#

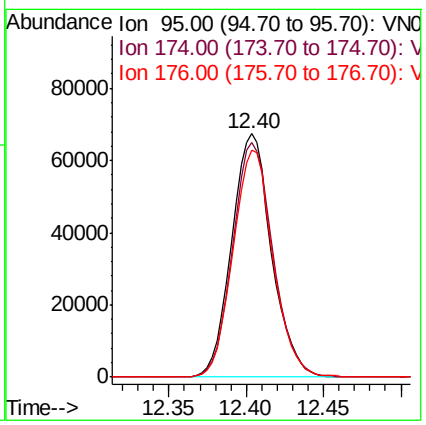


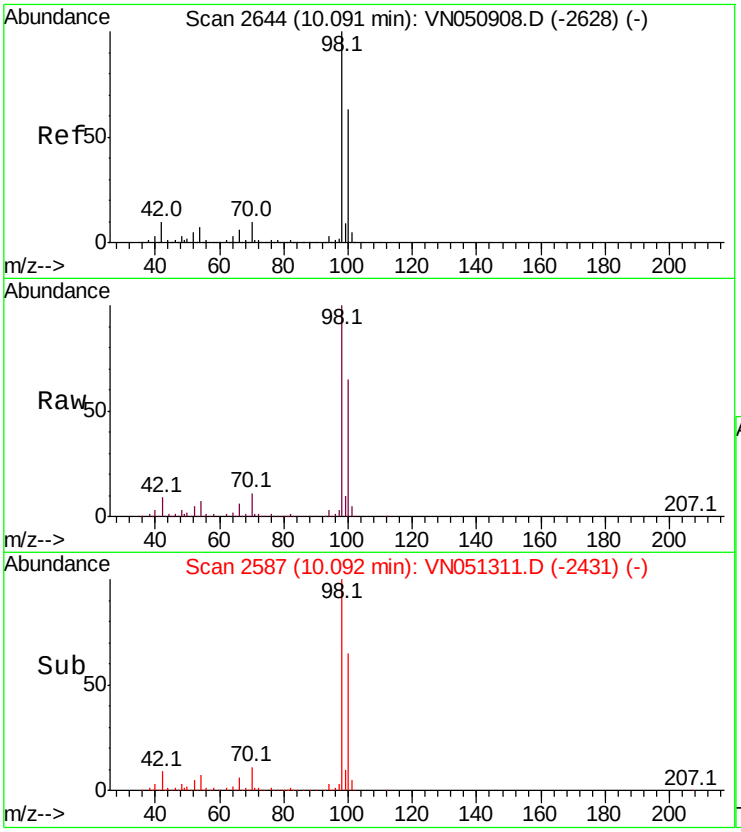


#60
4-Bromofluorobenzene
Concen: 19.387 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 95 Resp: 120706

Ion	Ratio	Lower	Upper
95	100		
174	97.2	74.6	112.0
176	93.6	71.5	107.3



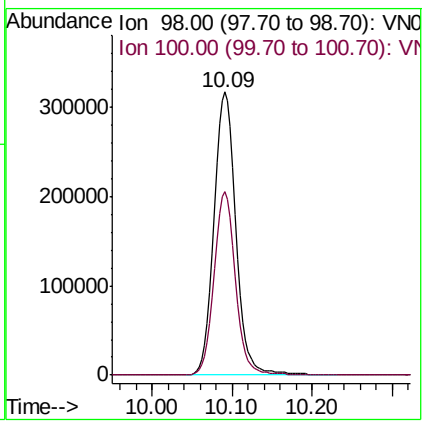


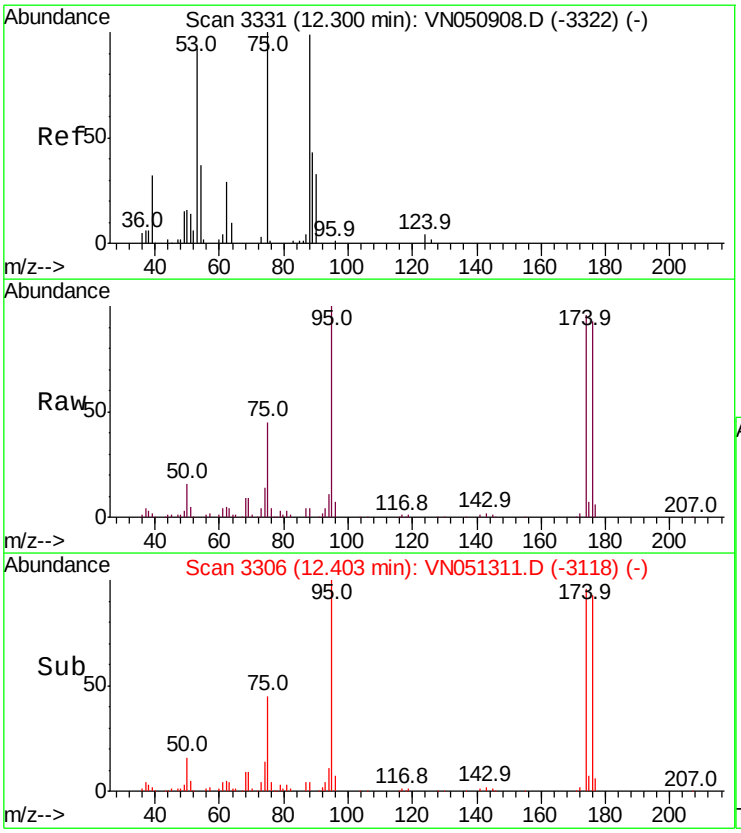
#63
Toluene-d8
Concen: 31.025 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 605783

Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.6	75.8

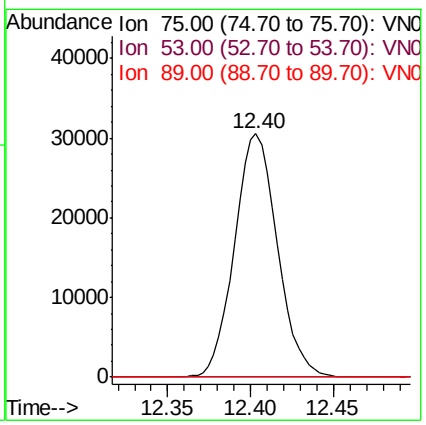


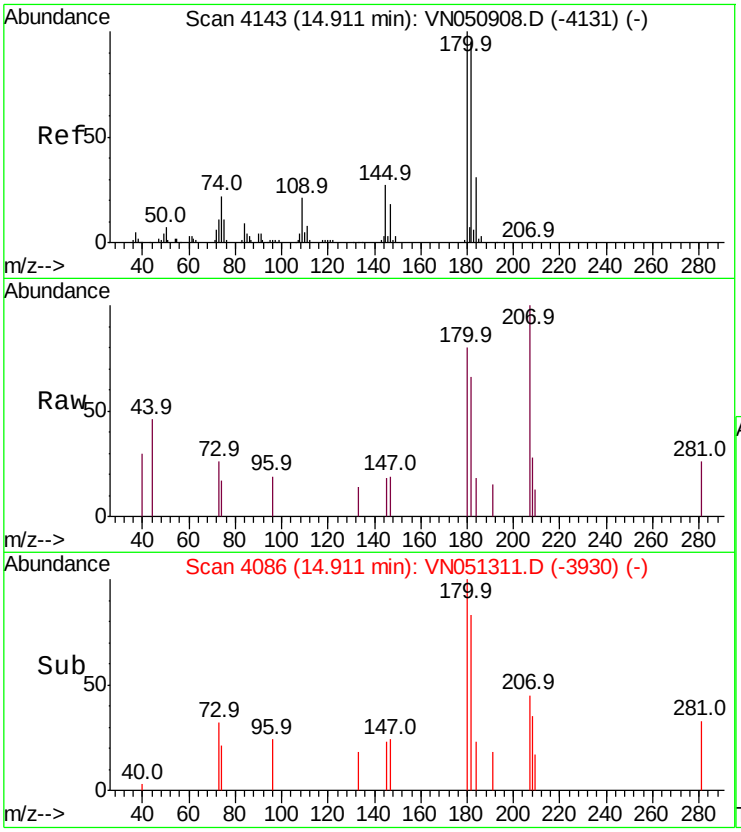


#77
t-1,4-Dichloro-2-butene
Concen: 35.001 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion: 75 Resp: 55057

Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.5	136.4#
89	0.0	21.9	65.8#



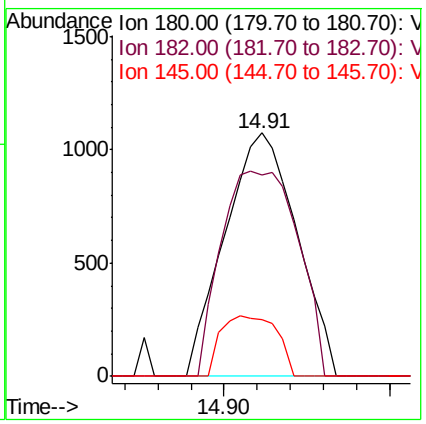


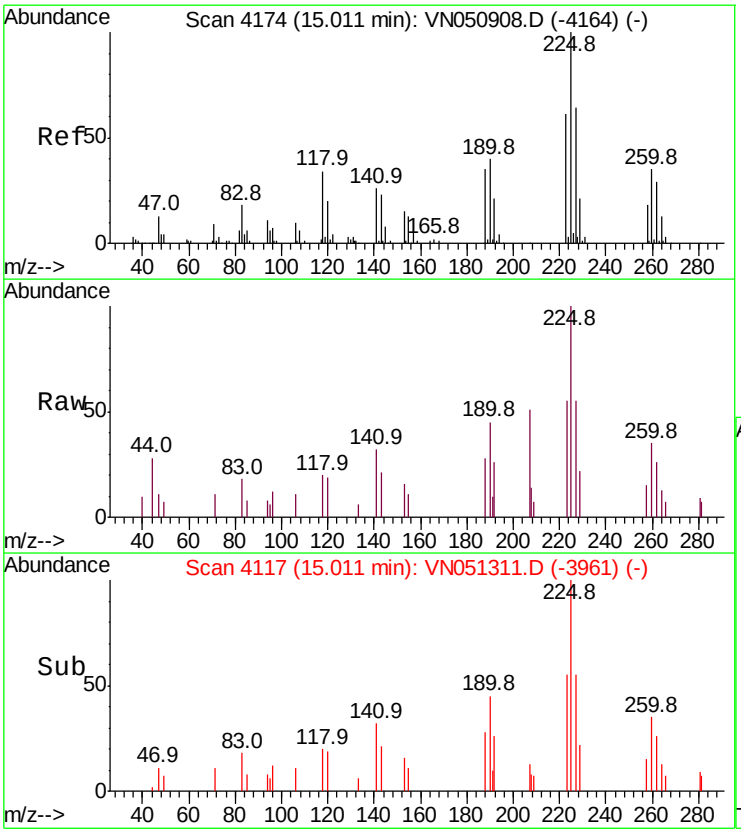
#89
1,2,4-Trichlorobenzene
Concen: 0.352 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 1623

Ion	Ratio	Lower	Upper
180	100		
182	90.0	76.2	114.4
145	19.1	22.2	33.4#

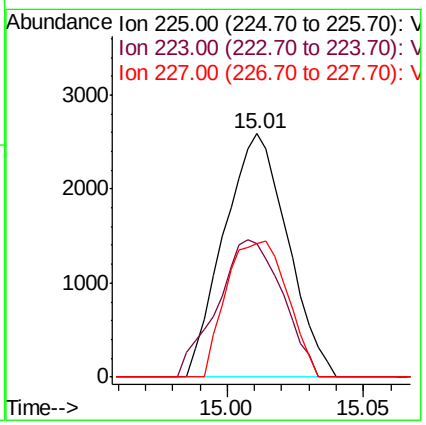


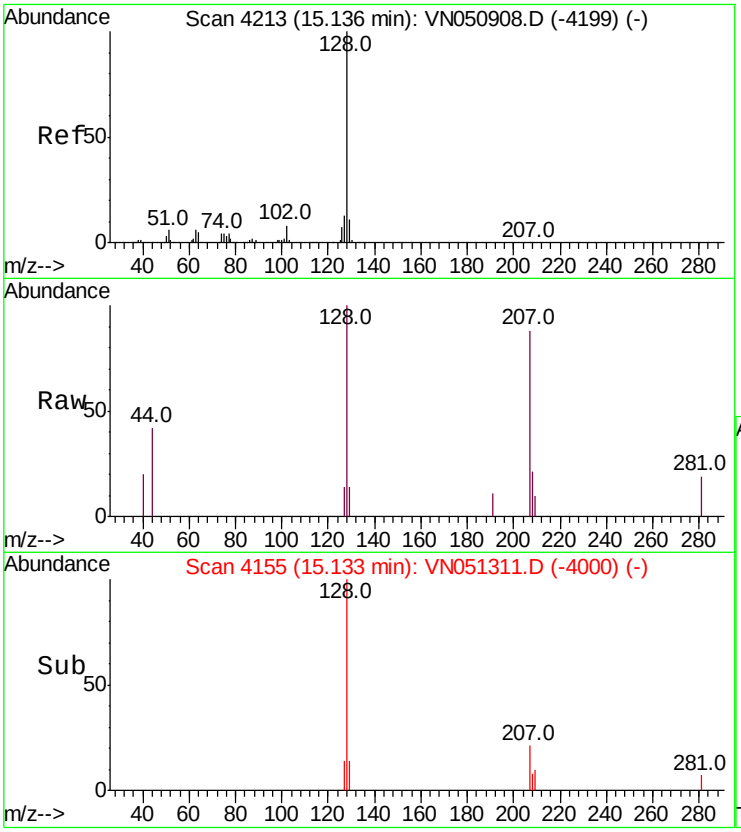


#90
Hexachlorobutadiene
Concen: 1.339 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion:225 Resp: 4190

Ion	Ratio	Lower	Upper
225	100		
223	57.7	0.0	127.8
227	53.7	0.0	128.4



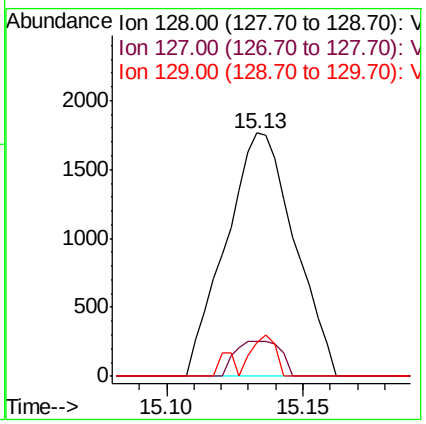


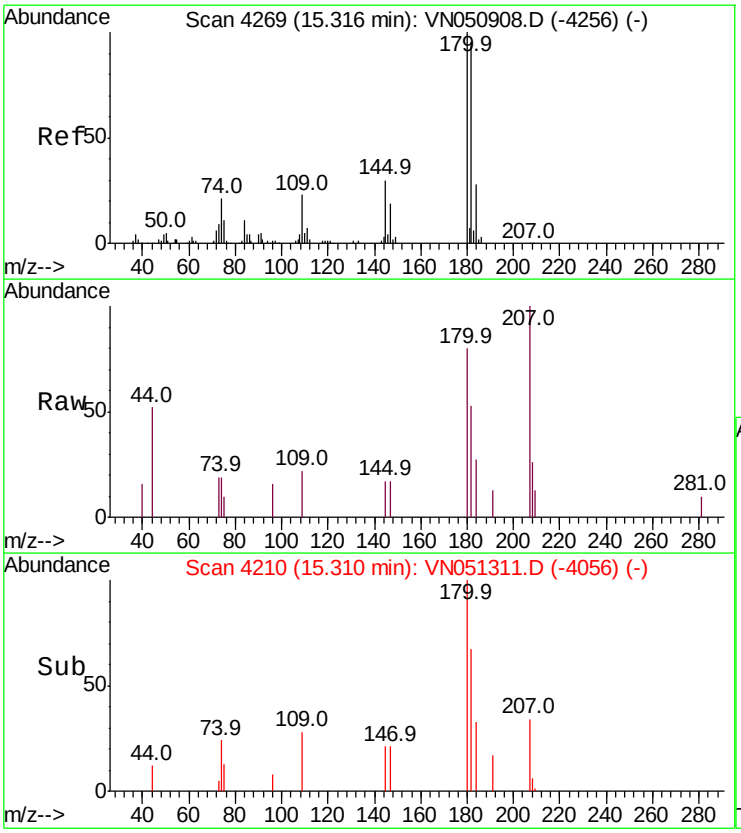
#91
Naphthalene
Concen: 8.792 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3073

Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.6	16.0#
129	5.8	8.7	13.1#





#92
1,2,3-Trichlorobenzene
Concen: 0.458 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.01 min
Lab File: VN051311.D
Acq: 19 Sep 2018 11:35

Tgt Ion:180 Resp: 2119

Ion	Ratio	Lower	Upper
180	100		
182	86.7	0.0	192.8
145	17.9	0.0	60.0