Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
Data File : VN052912.D
Acq On : 15 Dec 2018 1:46
Operator : MD\SY
Sample : J6390-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Dec 15 03:05:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1344831	50.00 ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2079973	50.00 ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1817660	50.00 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	757060	50.00 ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	672891	47.06 ug/l	0.00
Spiked Amount 50.000			Recovery =	94.12%	
35) Dibromofluoromethane	7.59	113	536523	46.21 ug/l	0.00
Spiked Amount 50.000			Recovery =	92.42%	
50) Toluene-d8	10.09	98	2514971	49.96 ug/l	0.00
Spiked Amount 50.000			Recovery =	99.92%	
62) 4-Bromofluorobenzene	12.40	95	823320	48.27 ug/l	0.00
Spiked Amount 50.000			Recovery =	96.54%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
11) Tert butyl alcohol	4.77	59	23900	29.913 ug/l #	80
13) Acrolein	3.62	56	151	0.201 ug/l #	14
16) Acetone	3.82	43	91437	28.471 ug/l	98
18) Methyl Acetate	4.33	43	71348	6.053 ug/l	99
20) Methylene Chloride	4.55	84	32697	2.262 ug/l	98
25) 2-Butanone	6.84	43	57657	11.570 ug/l	98
31) Cyclohexane	7.67	56	34260	0.844 ug/l #	10
36) 1,1-Dichloropropene	7.67	75	88526	4.622 ug/l #	49
37) Ethyl Acetate	6.84	43	57657	5.011 ug/l #	68
38) Carbon Tetrachloride	7.67	117	116907	6.631 ug/l #	16
39) Methylcyclohexane	9.08	83	7511	0.320 ug/l	92
40) Benzene	8.04	78	1014856	17.653 ug/l	99
41) Methacrylonitrile	7.19	41	1318	0.207 ug/l #	39
42) 1,2-Dichloroethane	8.04	62	8621	0.498 ug/l	99
43) Isopropyl Acetate	8.33	43	175614	7.444 ug/l #	53
49) 1,4-Dioxane	9.19	88	1277	10.874 ug/l #	22
52) Toluene	10.16	92	390515	11.216 ug/l	99
53) t-1,3-Dichloropropene	10.16	75	4399	0.241 ug/l #	1
67) Ethyl Benzene	11.51	91	34034	0.526 ug/l	99
68) m/p-Xylenes	11.62	106	70218	2.888 ug/l	99
69) o-Xylene	11.95	106	24264	1.022 ug/l	99
70) Styrene	11.96	104	21575	0.565 ug/l	89
71) Bromoform	12.40	173	5025	0.564 ug/l #	1
74) N-amyl acetate	12.03	43	5964	0.384 ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	383958	34.375 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	12159	0.266 ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	383958	110.430 ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	26141	0.566 ug/l	96
90) Hexachloroethane	13.86	117	4347	0.550 ug/l #	4
95) Naphthalene	15.14	128	9908	0.358 ug/l	98

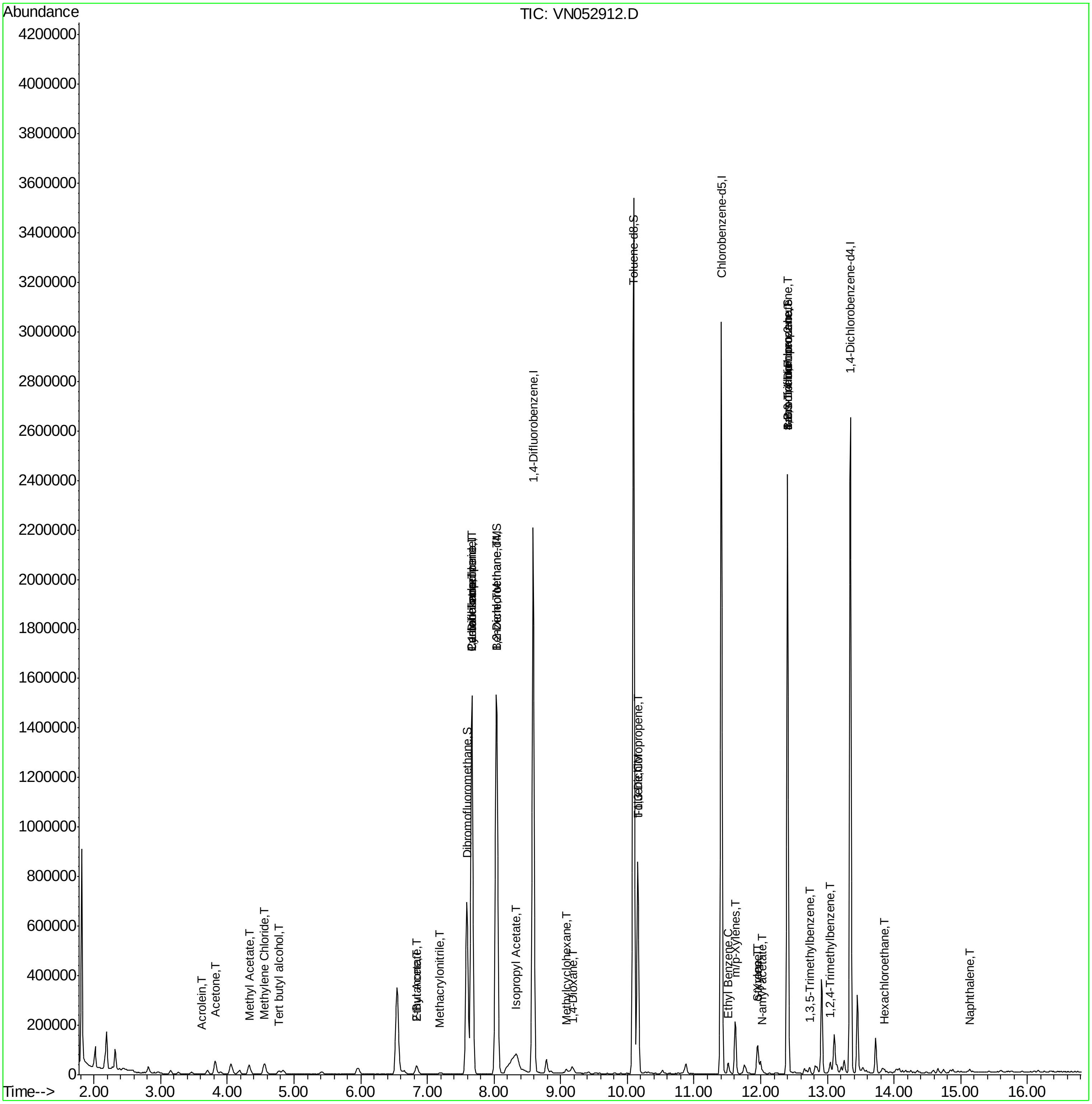
(#) = qualifier out of range (m) = manual integration (+) = signals summed

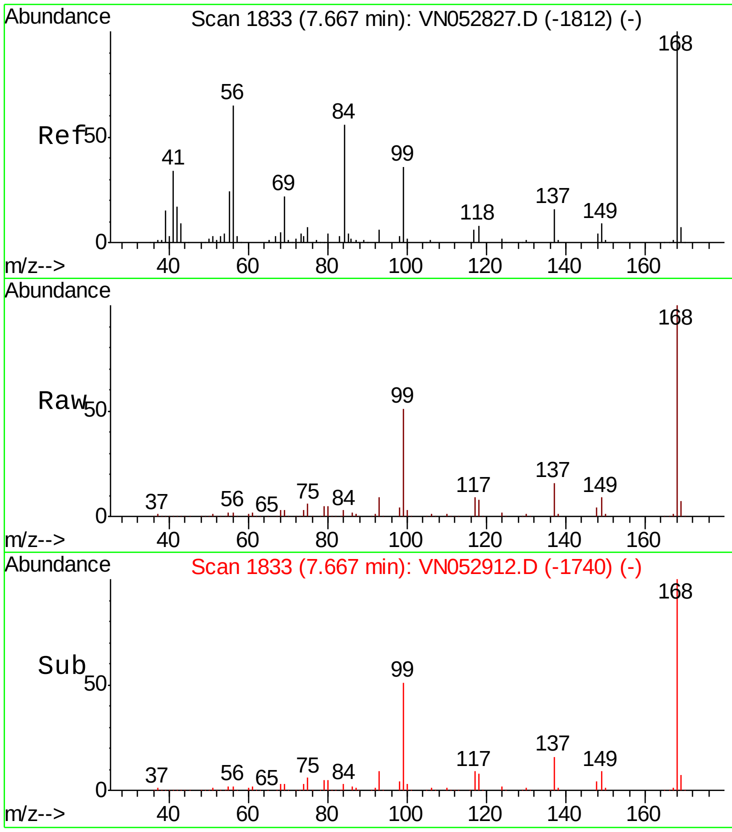
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
Data File : VN052912.D
Acq On : 15 Dec 2018 1:46
Operator : MD\SY
Sample : J6390-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 15 03:05:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration



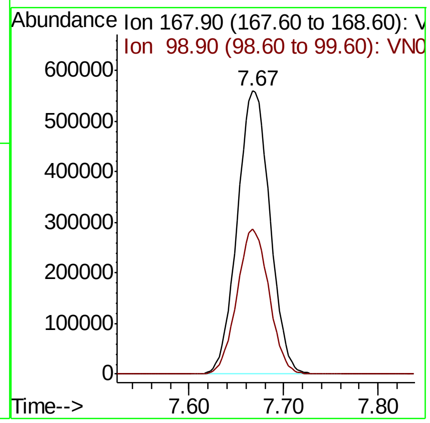


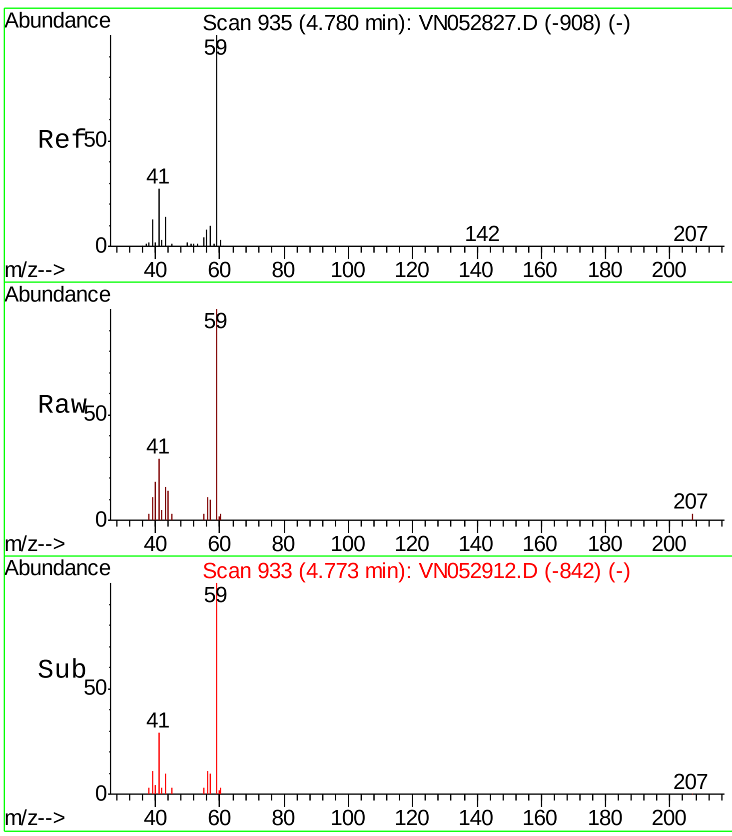
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 1344831

Ion	Ratio	Lower	Upper
168	100		
99	51.1	40.2	60.2

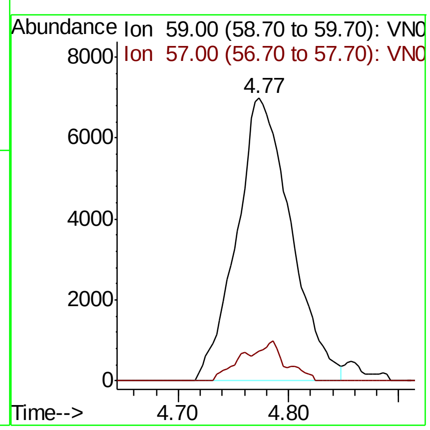


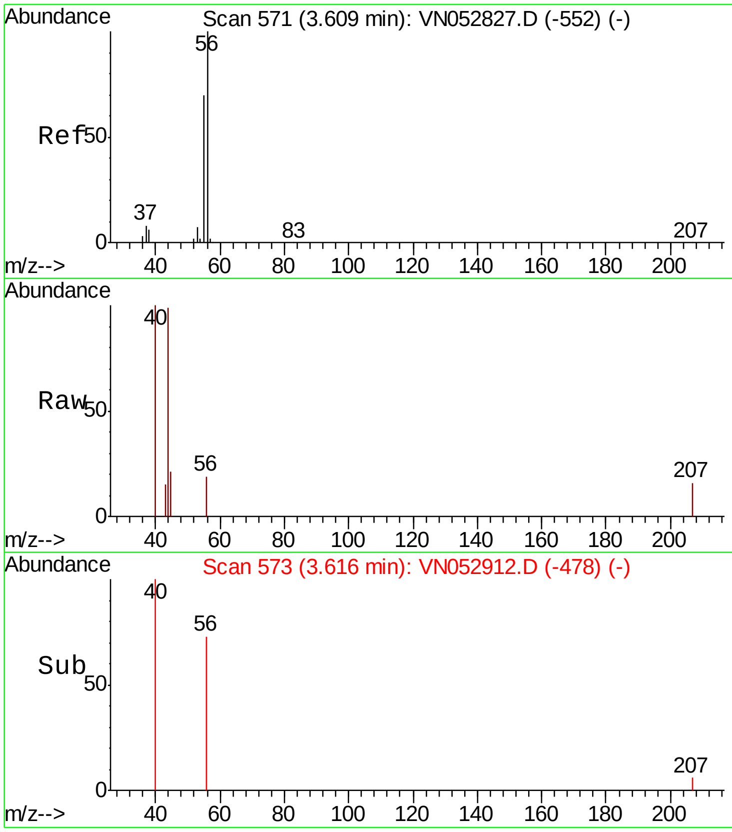


#11
Tert butyl alcohol
Concen: 29.913 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 59 Resp: 23900

Ion	Ratio	Lower	Upper
59	100		
57	2.3	7.7	11.5#



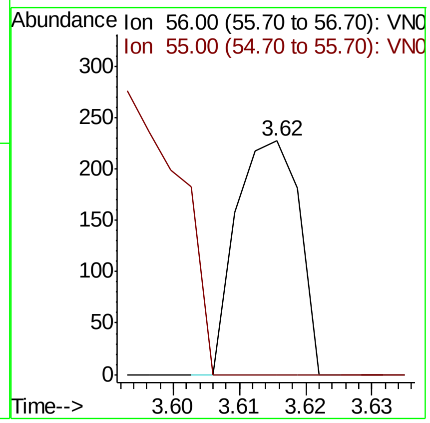


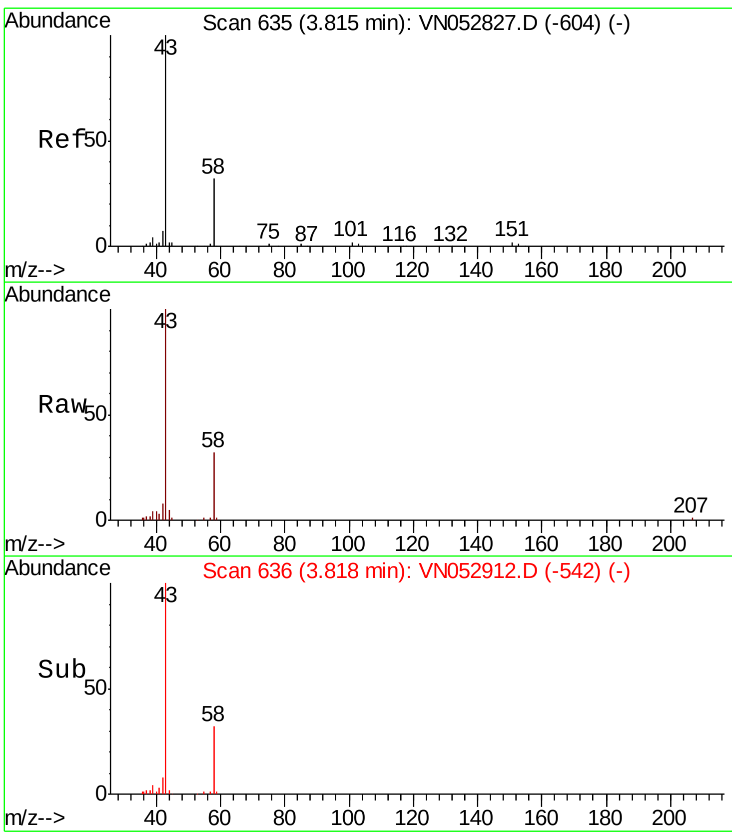
#13
Acrolein
Concen: 0.201 ug/l
RT: 3.62 min Scan# 573
Delta R.T.   0.01 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 151

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.6	85.0#

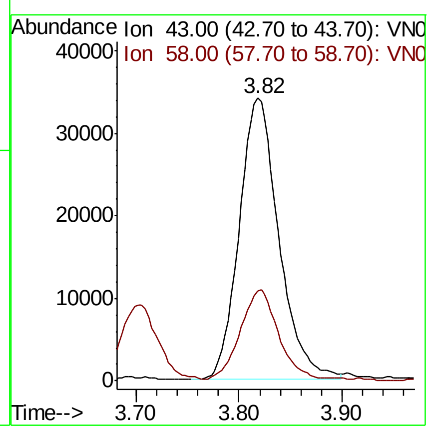


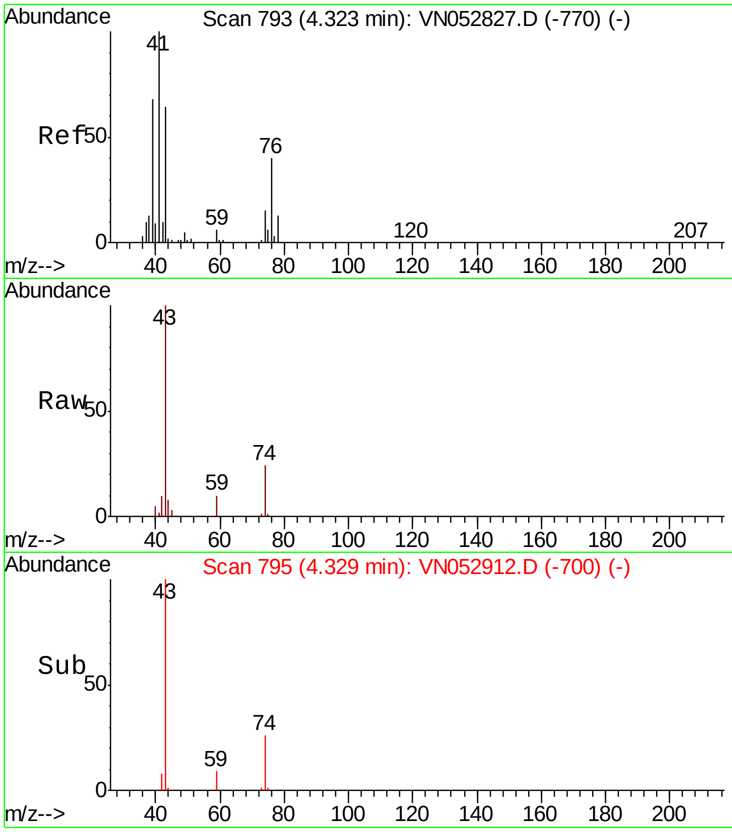


#16
Acetone
Concen: 28.471 ug/l
RT: 3.82 min Scan# 636
Delta R.T.   0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Tgt Ion: 43 Resp: 91437

Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.4	38.0



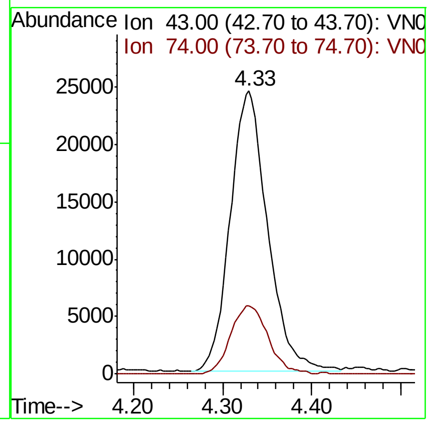


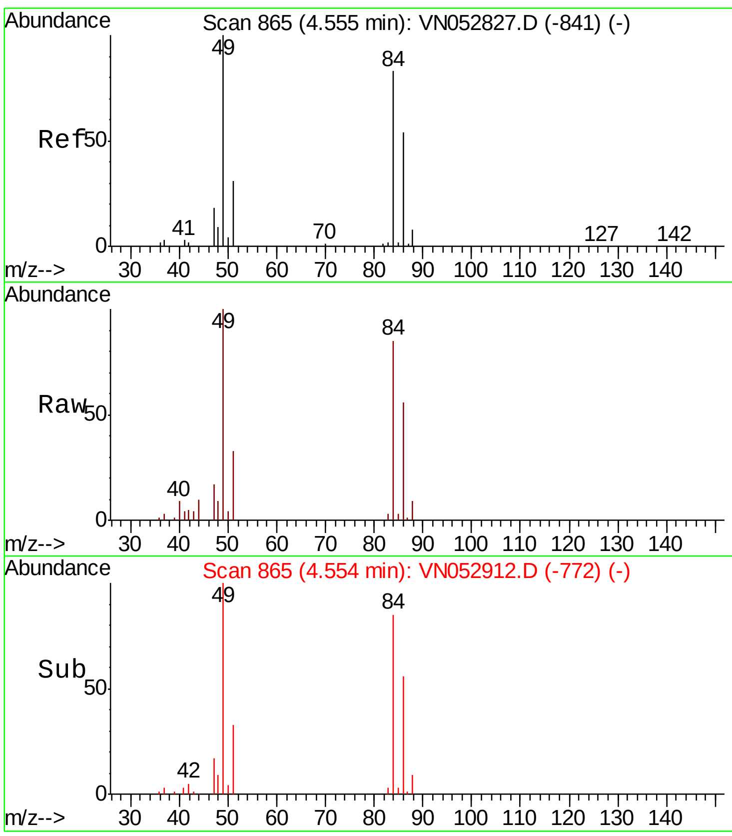
#18
Methyl Acetate
Concen: 6.053 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 71348

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

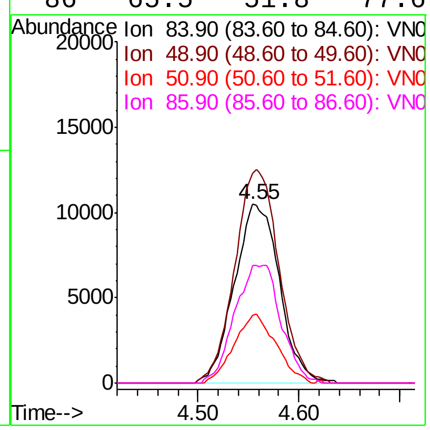


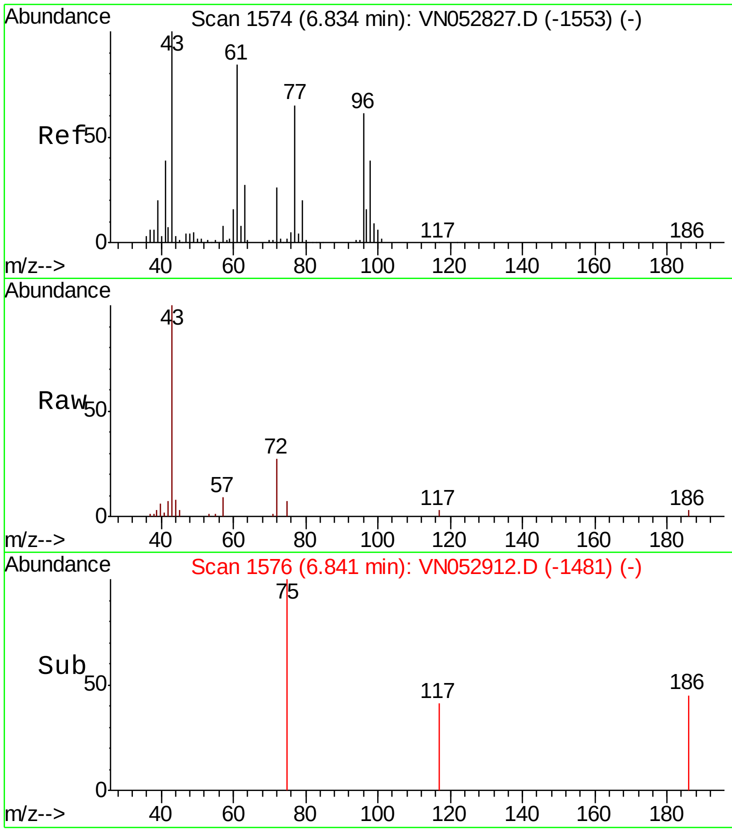


#20
Methylene Chloride
Concen: 2.262 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 84 Resp: 32697

Ion	Ratio	Lower	Upper
84	100		
49	117.2	96.8	145.2
51	38.2	29.9	44.9
86	65.5	51.8	77.6



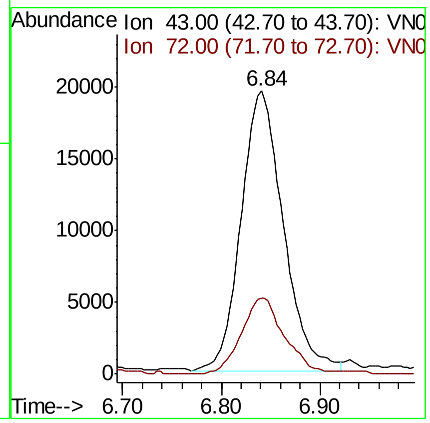


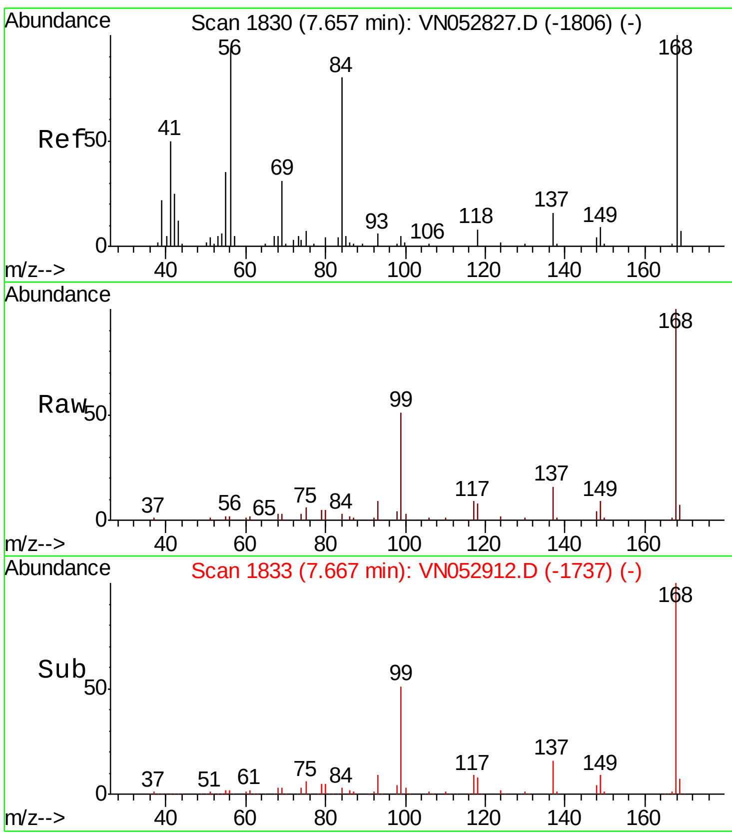
#25
2-Butanone
Concen: 11.570 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 57657

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.0	31.6

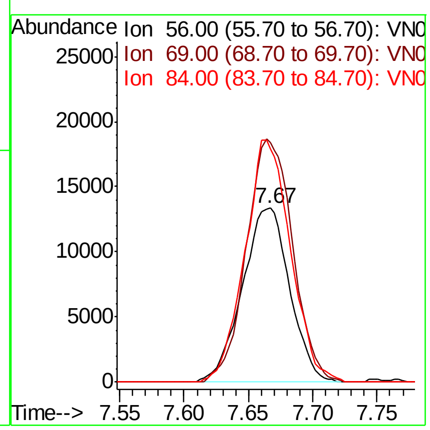


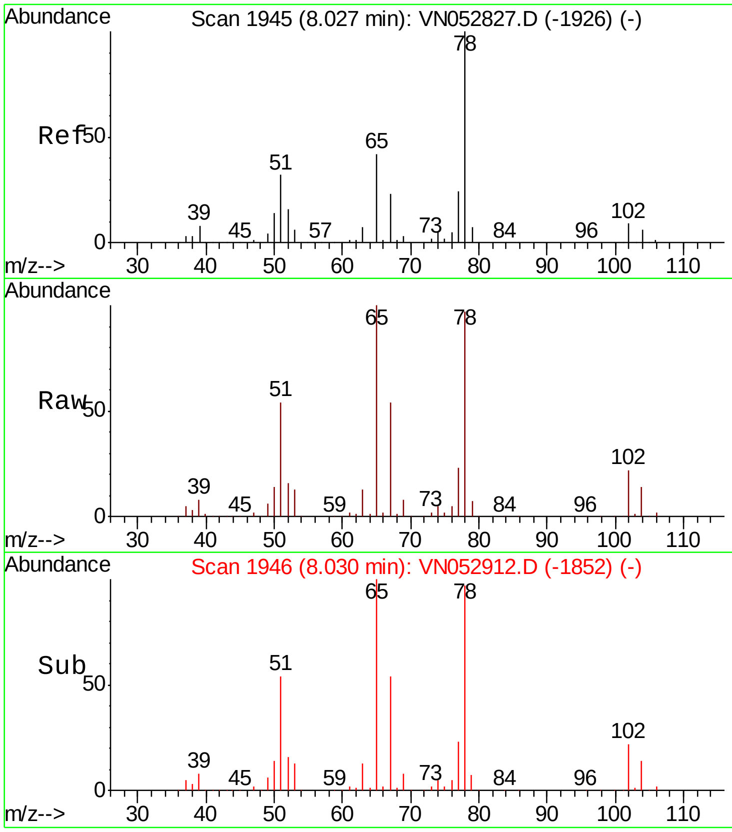


#31
Cyclohexane
Concen: 0.844 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 56 Resp: 34260

Ion	Ratio	Lower	Upper
56	100		
69	137.7	26.6	39.8#
84	134.1	68.4	102.6#



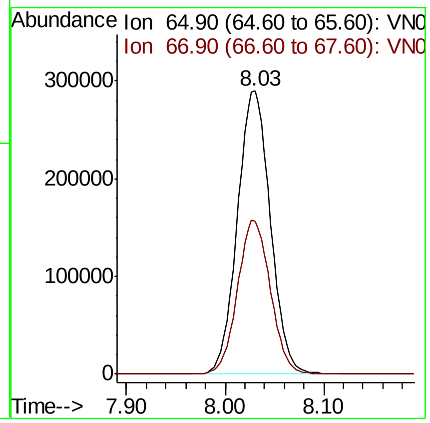


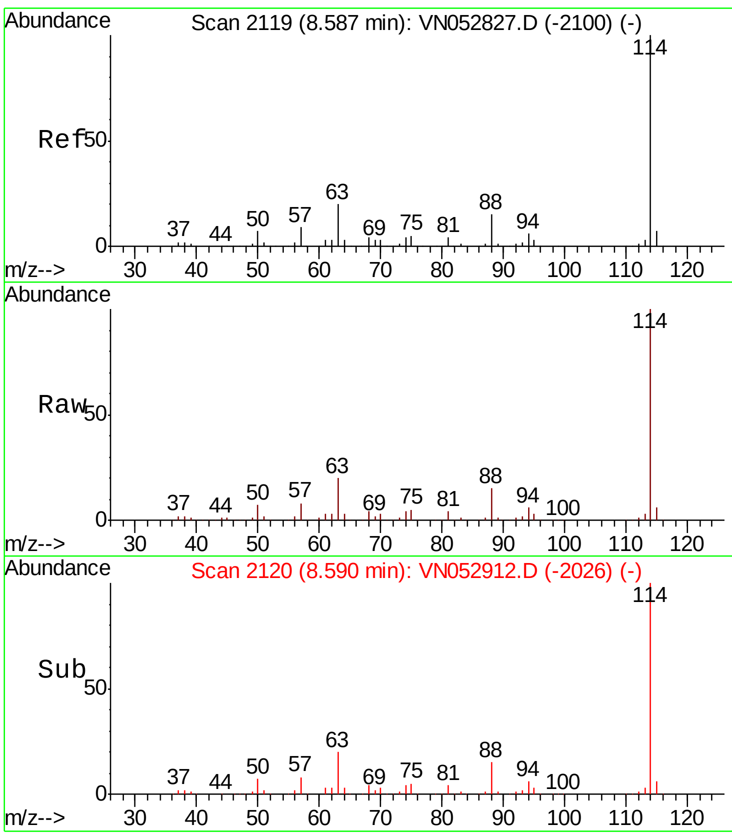
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min   Scan# 1946
Delta R.T.   0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 672891

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	110.4

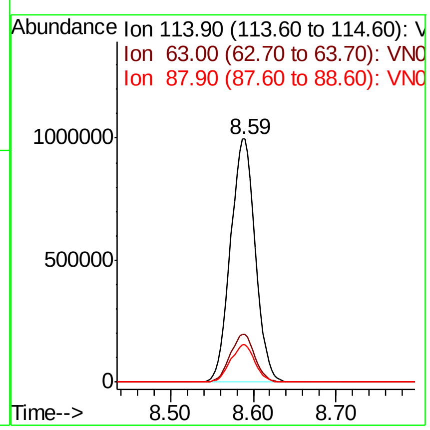


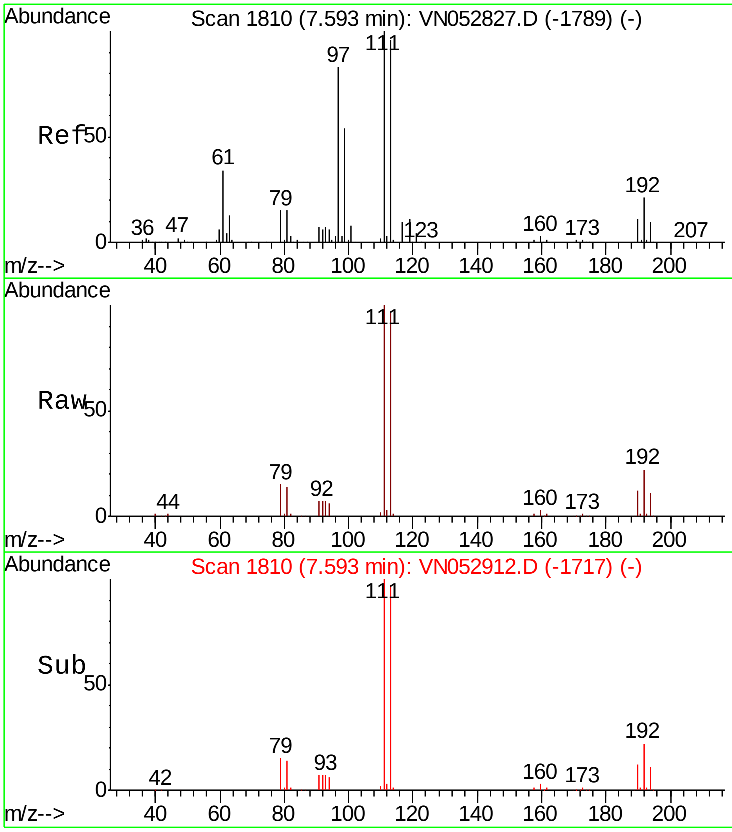


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min   Scan# 2120
Delta R.T.   0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Tgt Ion:114 Resp: 2079973

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.3	0.0	31.0



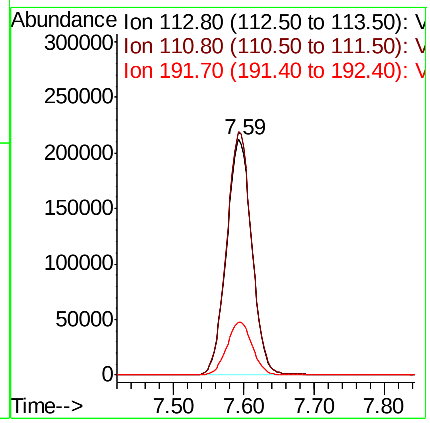


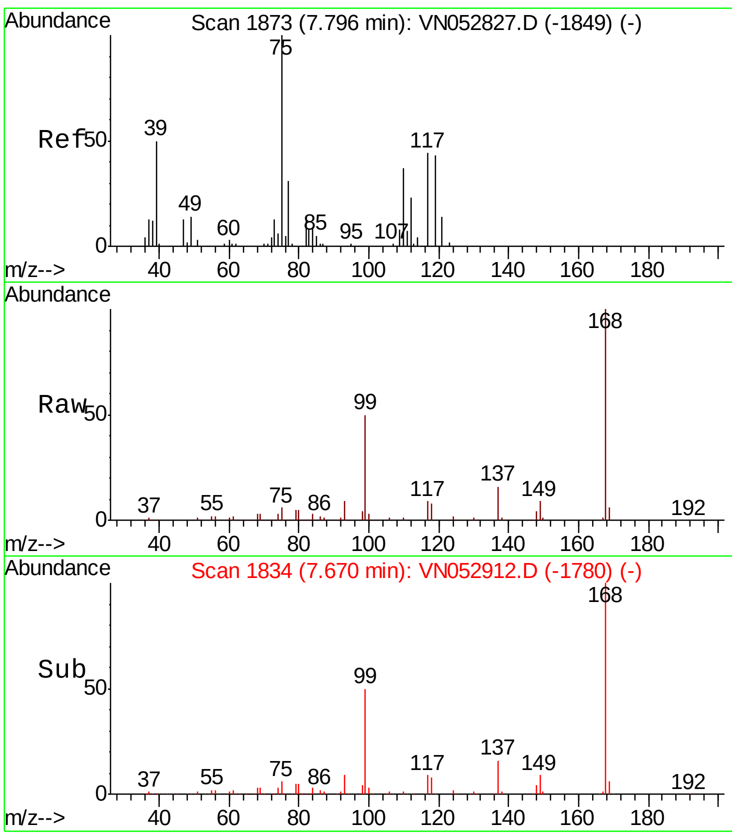
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 536523

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	22.4	17.5	26.3

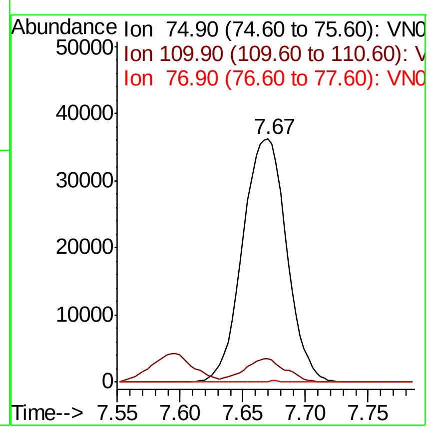


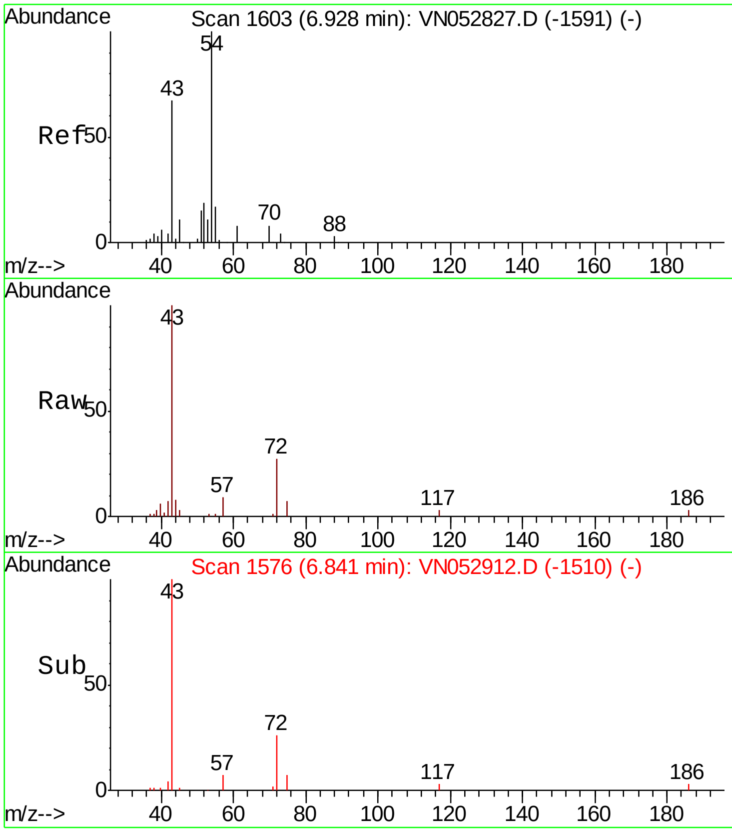


#36
1,1-Dichloropropene
Concen: 4.622 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.13 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 75 Resp: 88526

Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.0	24.9	37.3#



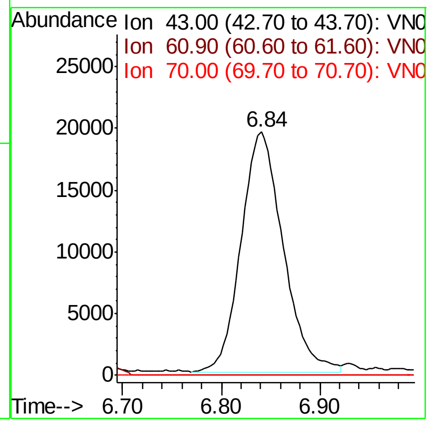


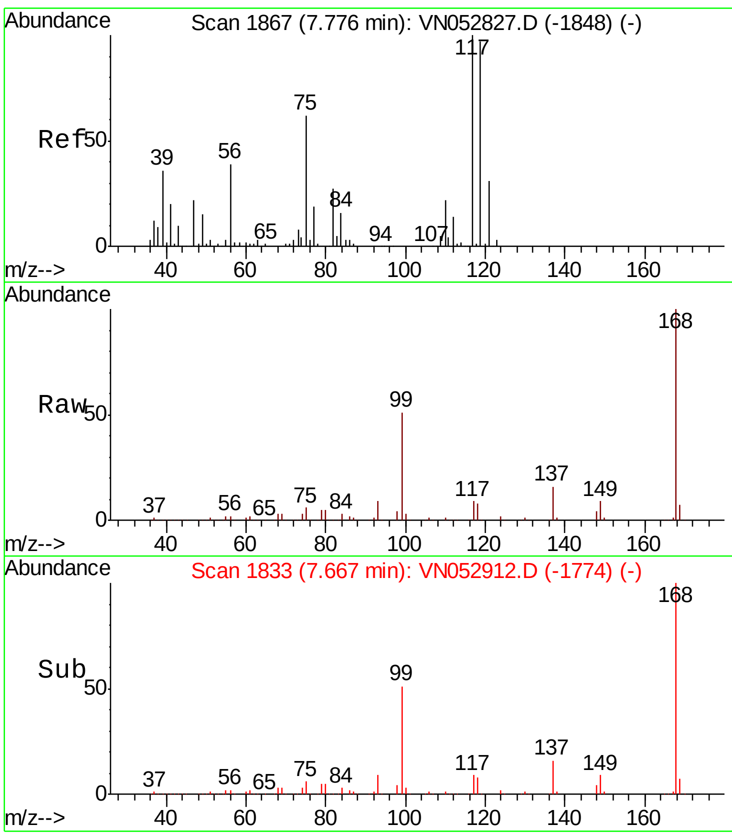
#37
Ethyl Acetate
Concen: 5.011 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.09 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 57657

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	8.4	12.6#

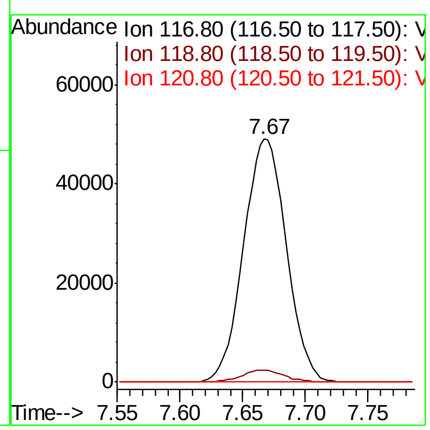


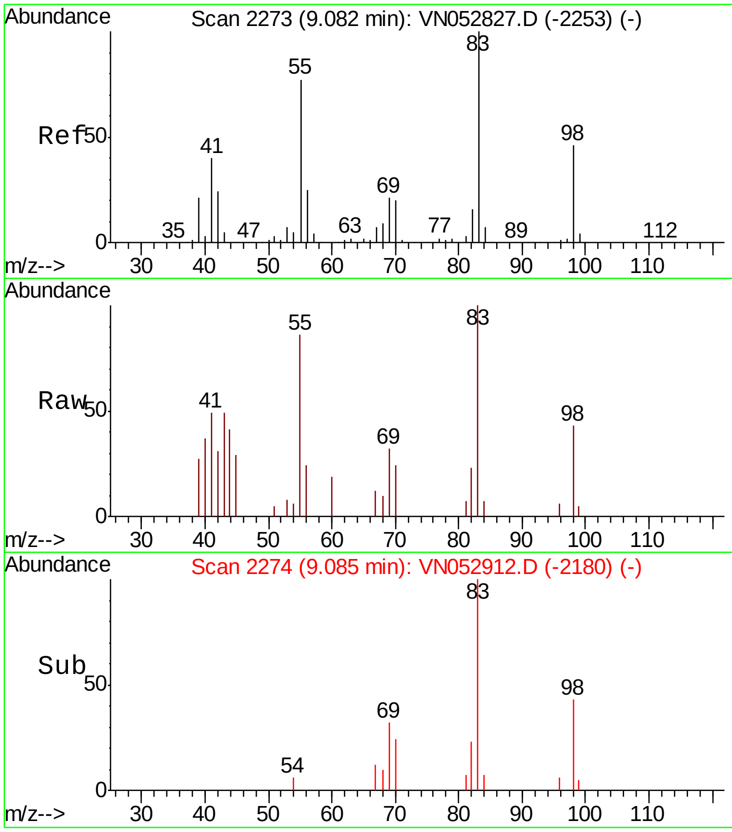


#38
Carbon Tetrachloride
Concen: 6.631 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion:117 Resp: 116907

Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.1	115.7#
121	0.0	24.9	37.3#



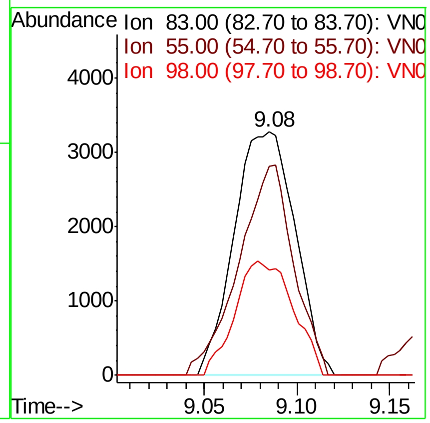


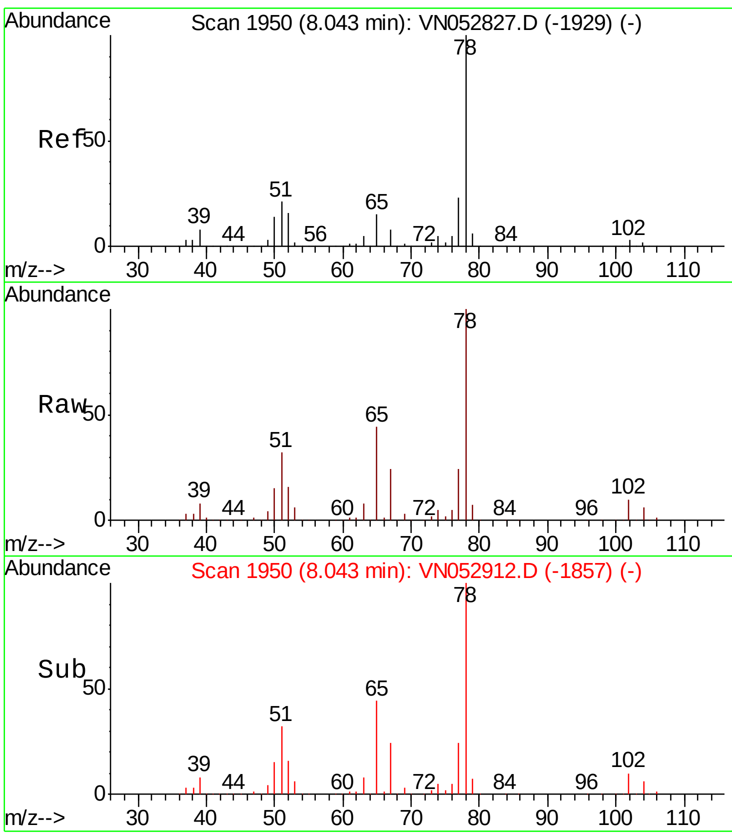
#39
Methylcyclohexane
Concen: 0.320 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion: 83 Resp: 7511

Ion	Ratio	Lower	Upper
83	100		
55	85.7	61.3	91.9
98	43.1	37.0	55.4

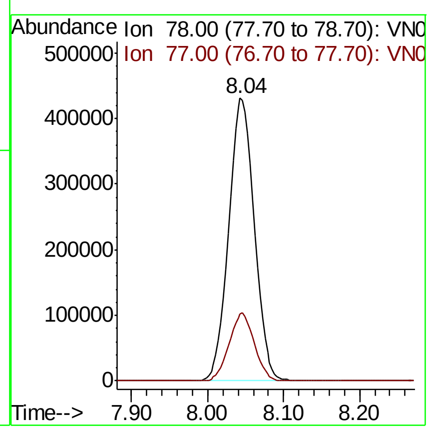


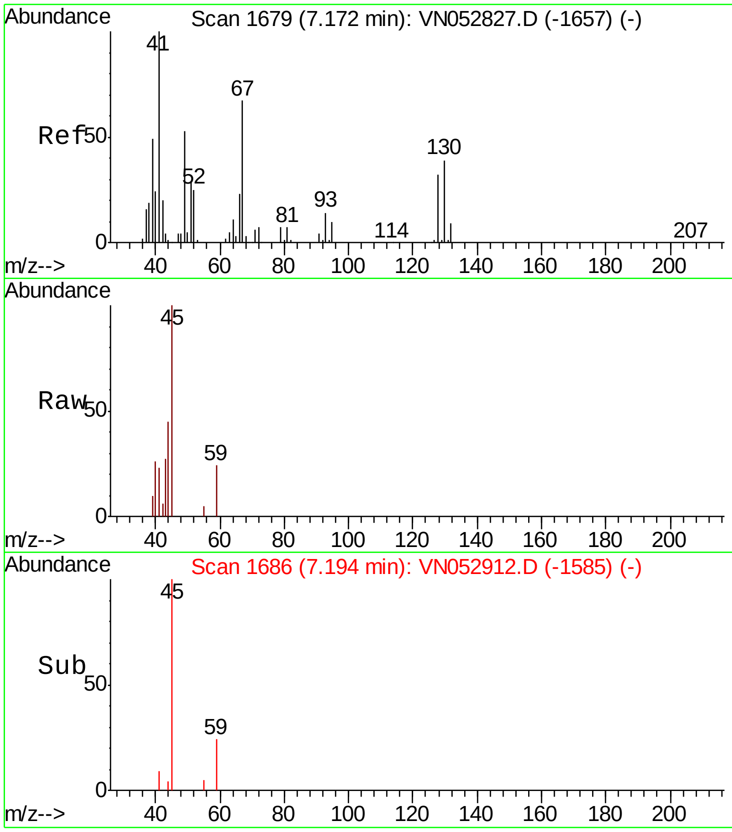


#40
Benzene
Concen: 17.653 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 78 Resp: 1014856

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7



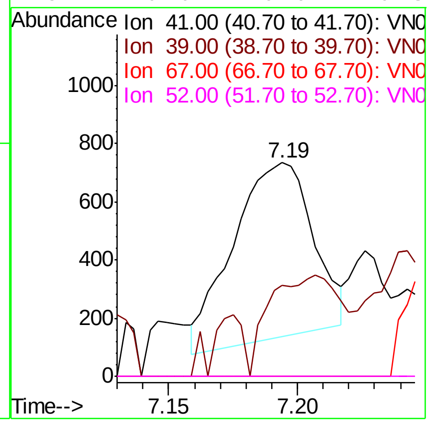


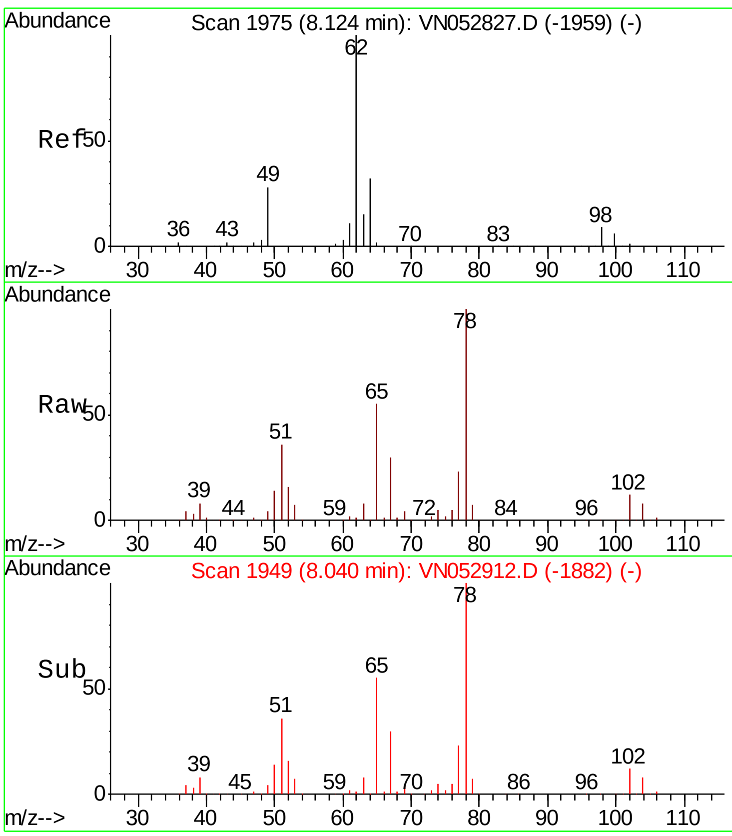
#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 41 Resp: 1318

Ion	Ratio	Lower	Upper
41	100		
39	50.4	48.0	72.0
67	0.0	70.3	105.5#
52	0.0	26.9	40.3#

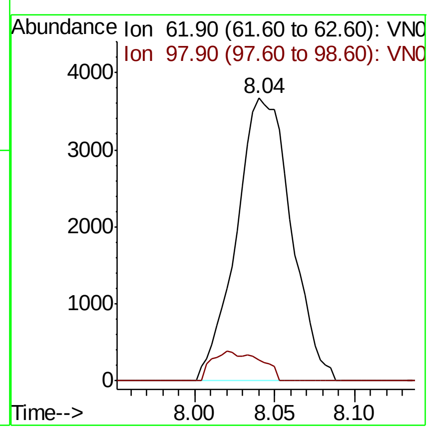


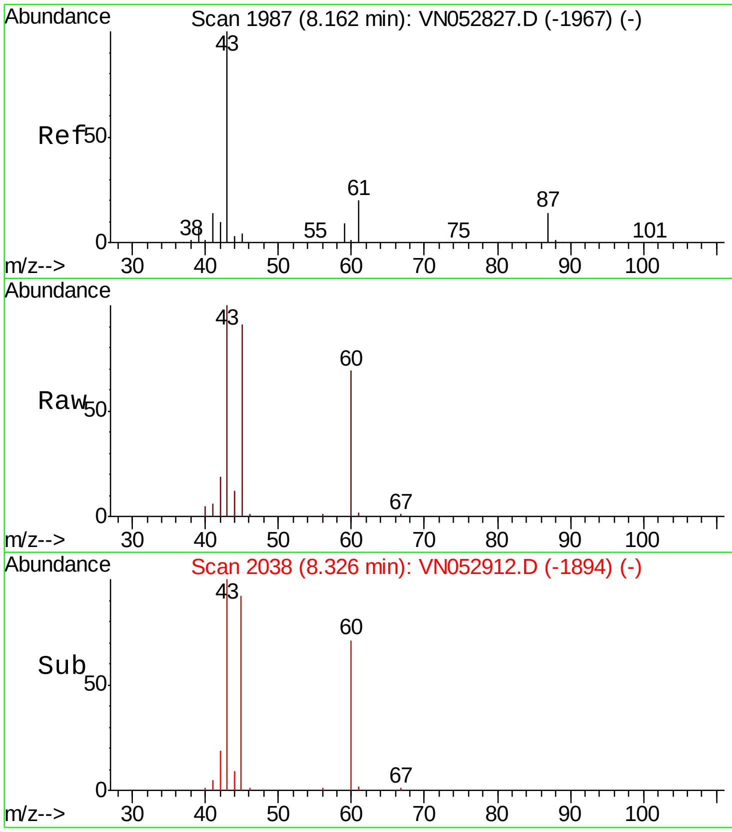


#42
1,2-Dichloroethane
Concen: 0.498 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.08 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 62 Resp: 8621

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0



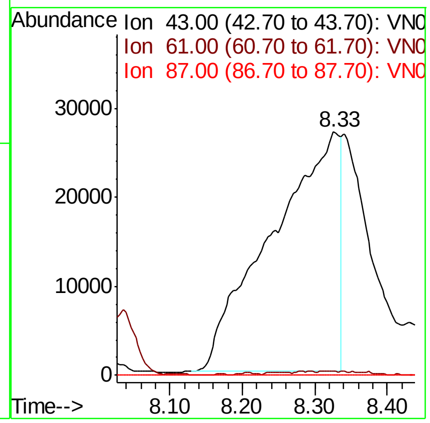


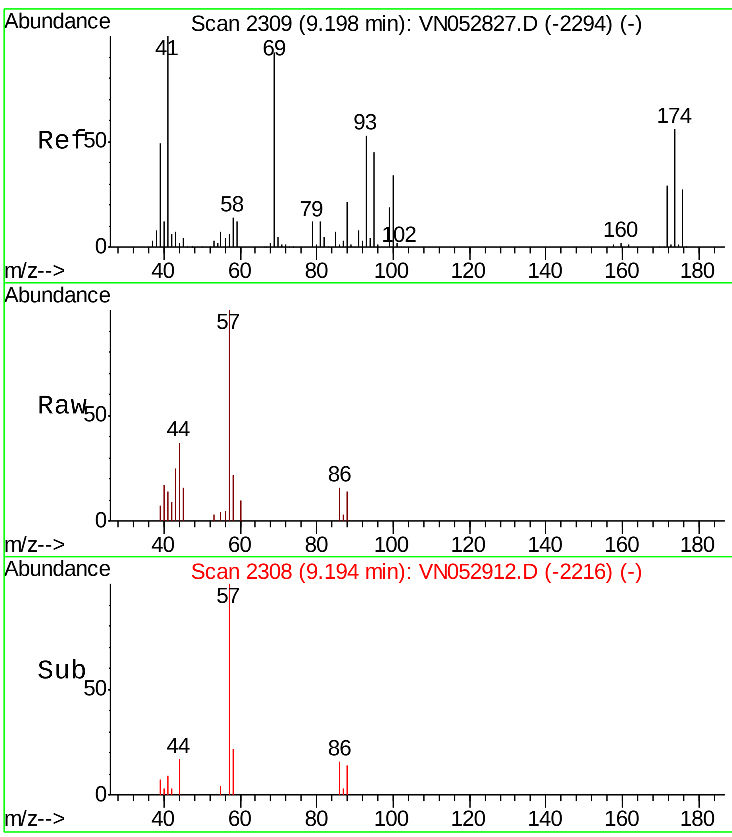
#43
Isopropyl Acetate
Concen: 7.444 ug/l
RT: 8.33 min   Scan# 2038
Delta R.T.   0.16 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 175614

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#

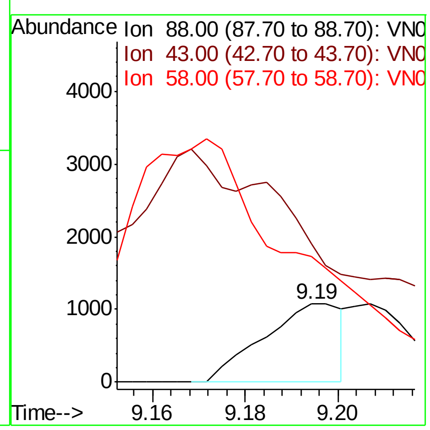


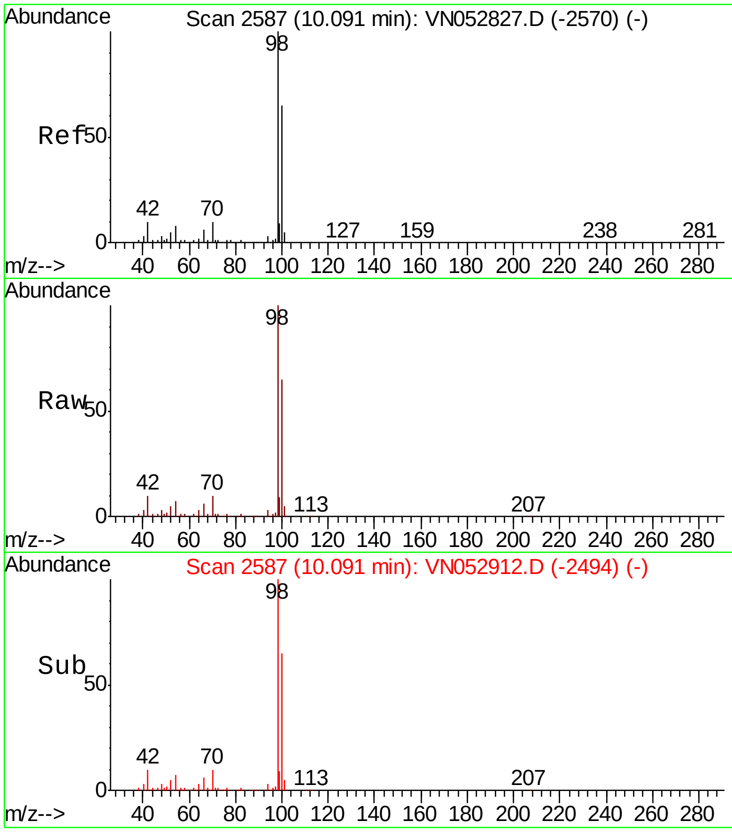


#49
1,4-Dioxane
Concen: 10.874 ug/l
RT: 9.19 min   Scan# 2308
Delta R.T.   -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Tgt Ion: 88 Resp: 1277

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	40.0#
58	0.0	58.4	87.6#



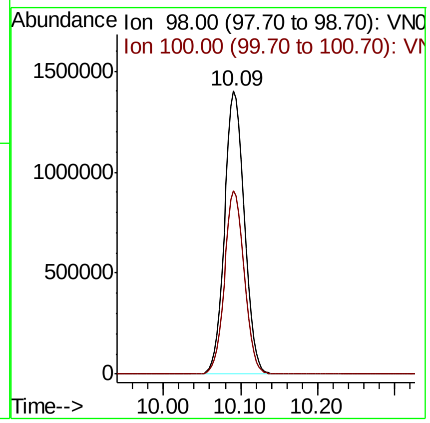


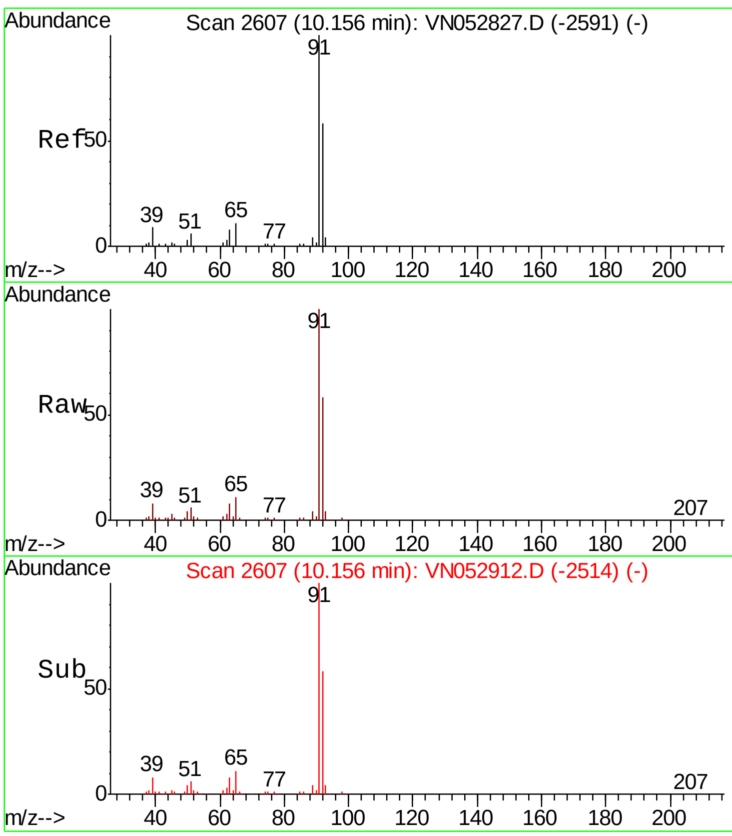
#50
Toluene-d8
Concen: 10.874 ug/l
RT: 10.09 min   Scan# 2587
Delta R.T.   -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 2514971

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

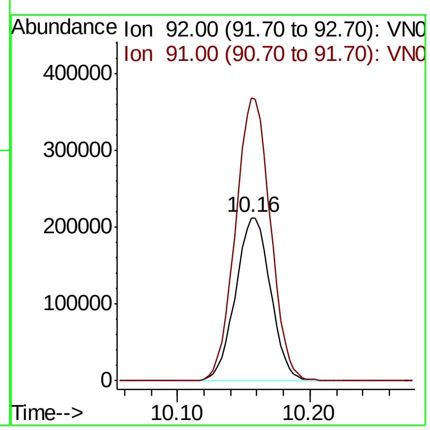


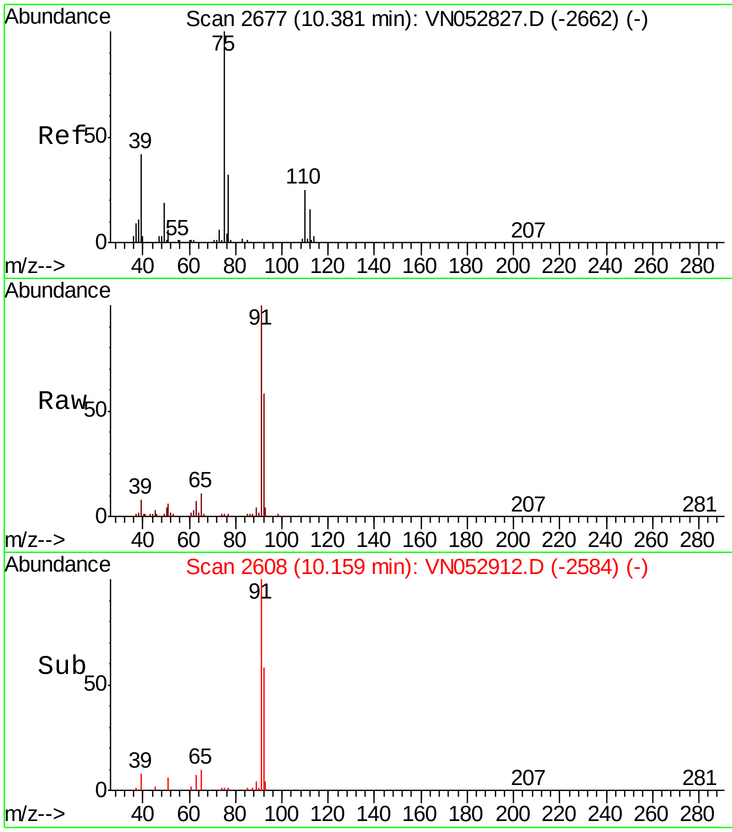


#52
Toluene
Concen: 11.216 ug/l
RT: 10.16 min   Scan# 2607
Delta R.T.   -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018   1:46

Tgt Ion: 92 Resp: 390515

Ion	Ratio	Lower	Upper
92	100		
91	172.9	139.8	209.6

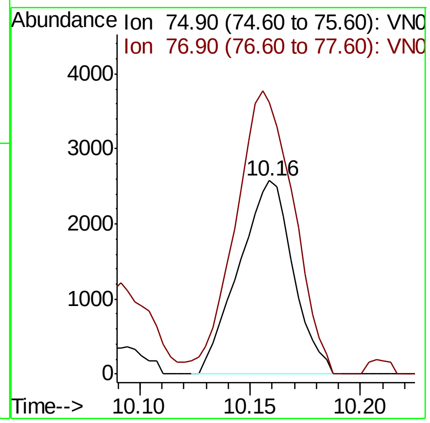


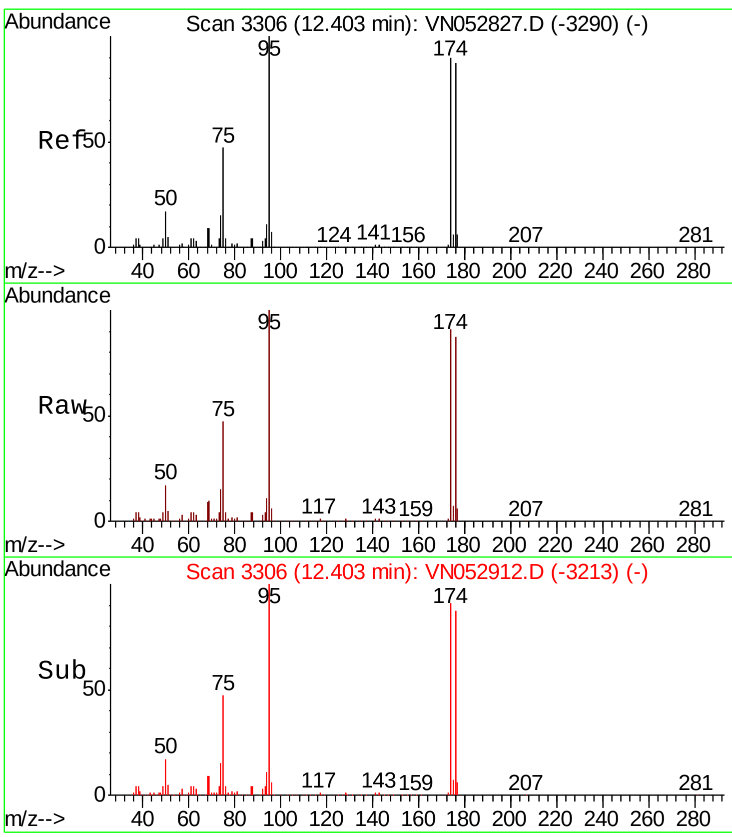



```
#53
t-1,3-Dichloropropene
Concen:     0.241 ug/l
RT: 10.16 min   Scan# 2608
Delta R.T.    -0.22 min
Lab File:    VN052912.D
Acq: 15 Dec 2018    1:46

Tgt Ion: 75 Resp:     4399
Ion  Ratio   Lower   Upper
 75  100
 77  140.4    25.6    38.4#
```

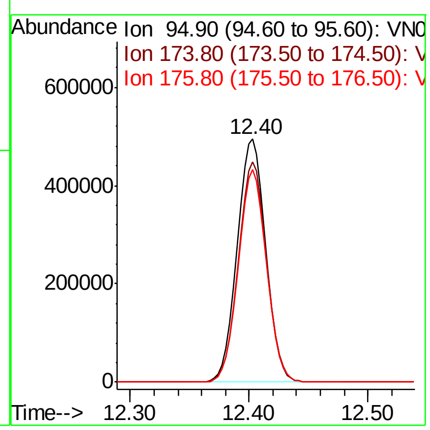
Instrument :
MSVOA_N
ClientSampleId :

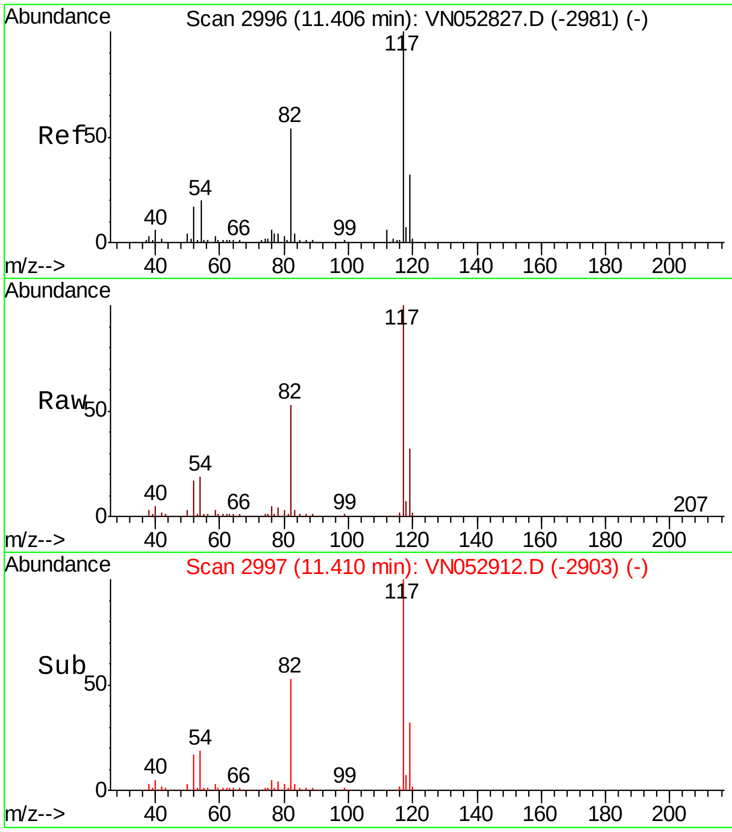





```
#62
4-Bromofluorobenzene
Concen:     N.D. ug/l
RT: 12.40 min   Scan# 3306
Delta R.T.    -0.00 min
Lab File:    VN052912.D
Acq: 15 Dec 2018    1:46

Tgt Ion: 95 Resp:   823320
Ion  Ratio   Lower   Upper
 95  100
174   89.3     0.0   178.8
176   86.1     0.0   173.8
```



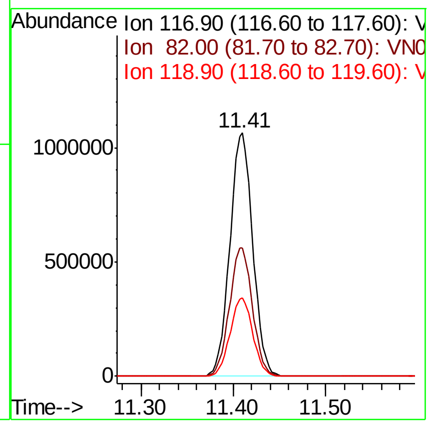


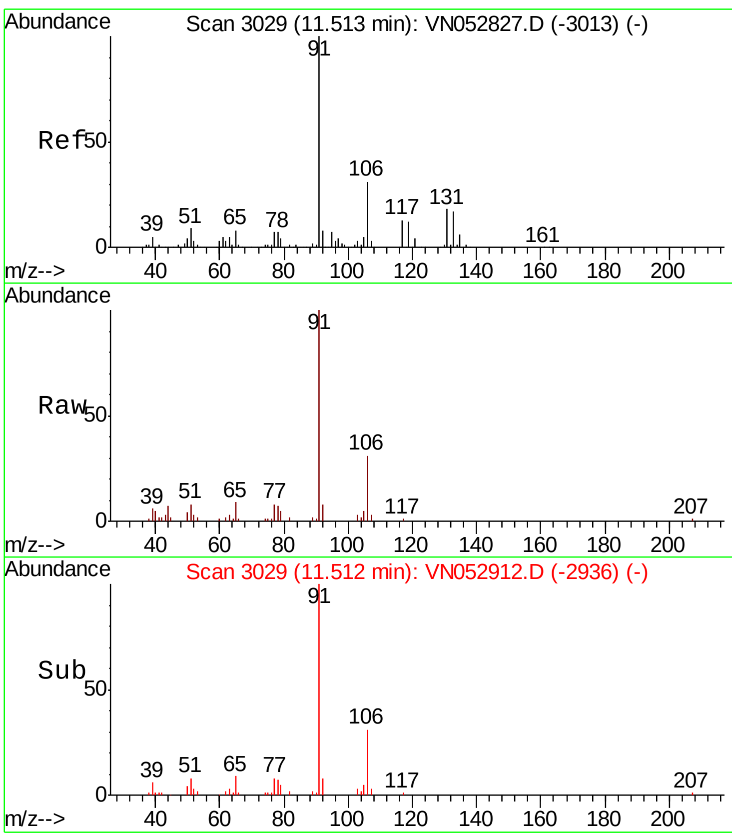
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 1817660

Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.8	64.2
119	32.2	25.5	38.3

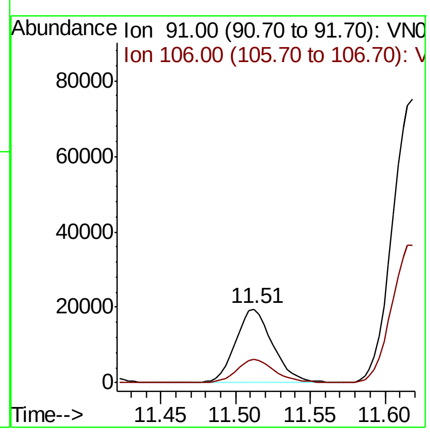


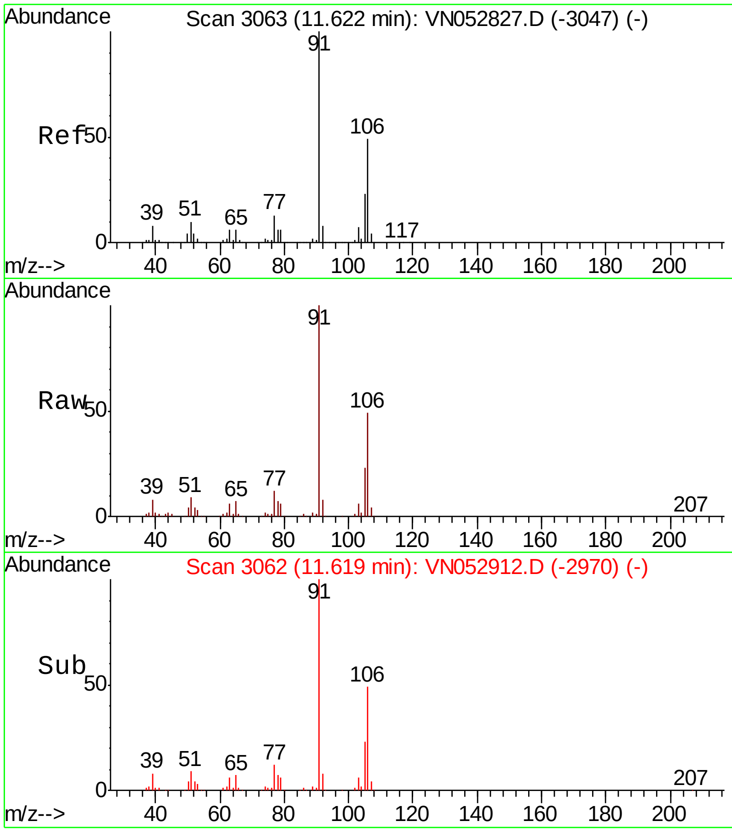


#67
Ethyl Benzene
Concen: 0.526 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 91 Resp: 34034

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.9	37.3



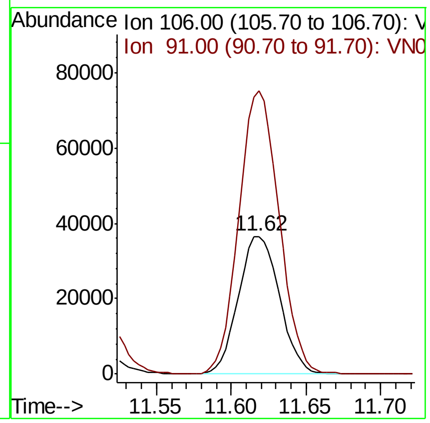


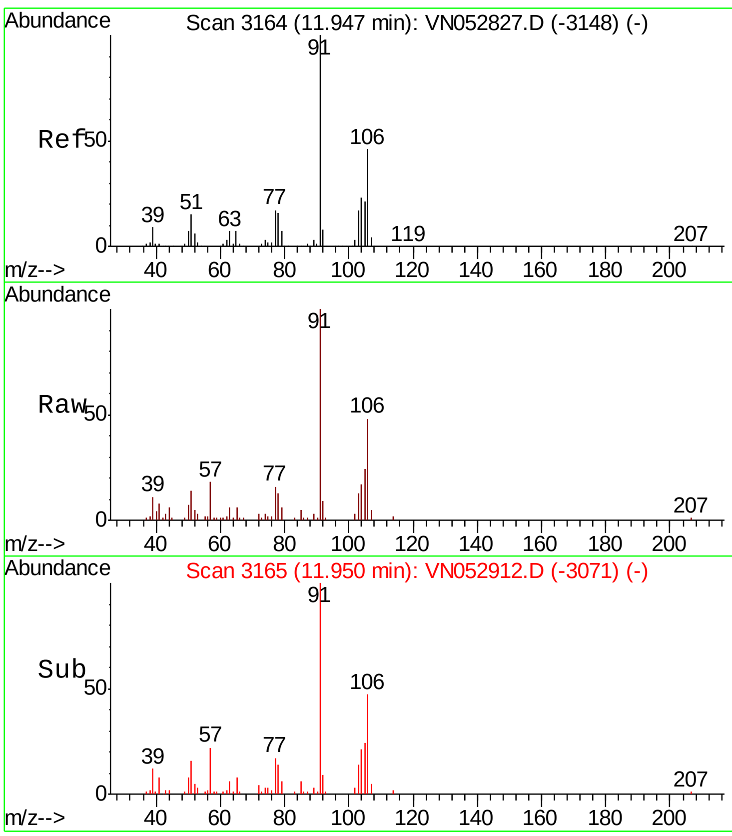
#68
m/p-Xylenes
Concen: 2.888 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:106 Resp: 70218

Ion	Ratio	Lower	Upper
106	100		
91	201.2	162.2	243.4

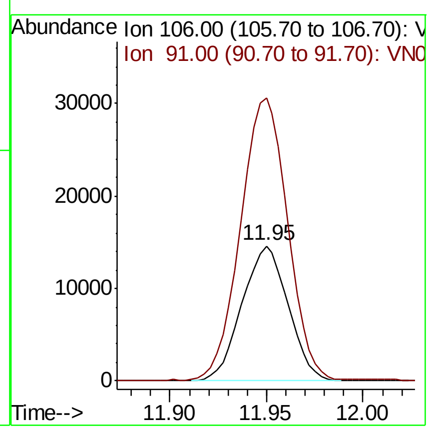


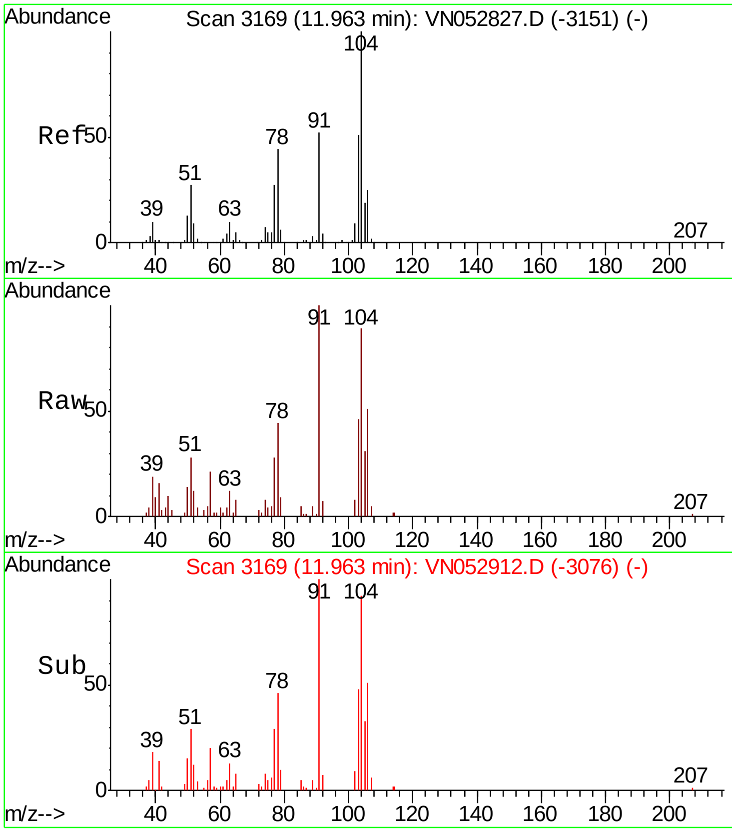


#69
o-Xylene
Concen: 1.022 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion:106 Resp: 24264

Ion	Ratio	Lower	Upper
106	100		
91	214.9	106.6	319.8



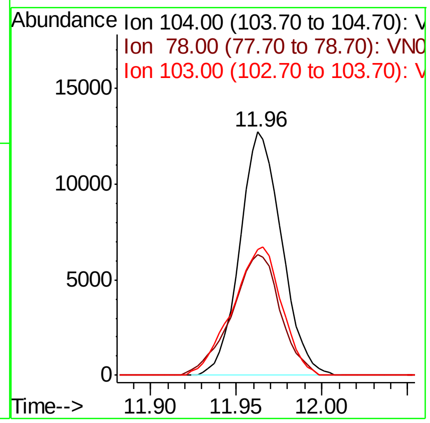


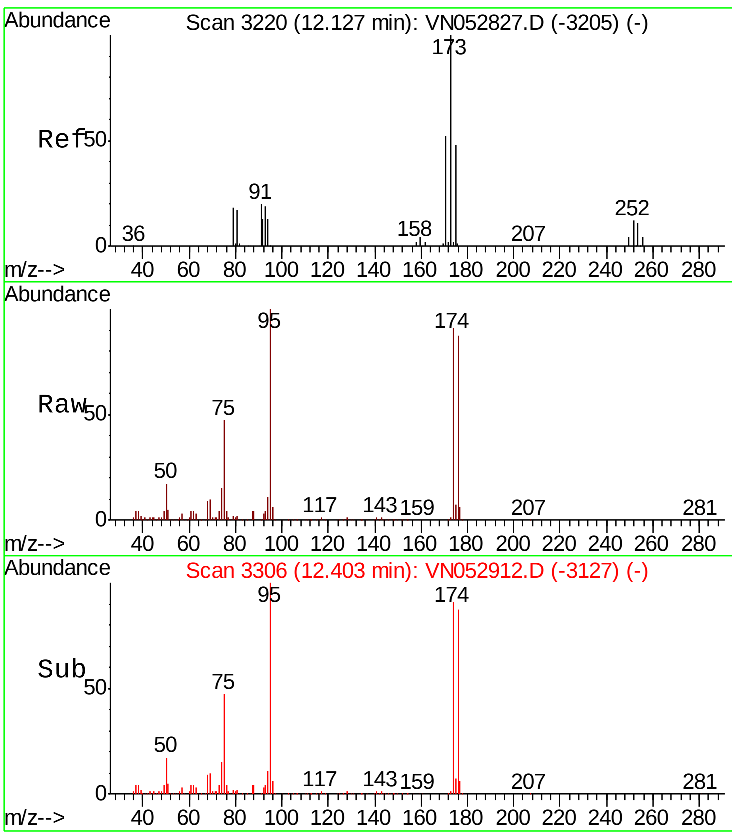
#70
Styrene
Concen: 0.565 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:104 Resp: 21575

Ion	Ratio	Lower	Upper
104	100		
78	57.8	38.9	58.3
103	61.6	44.3	66.5

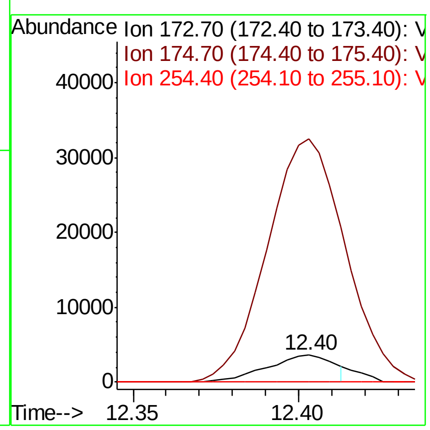


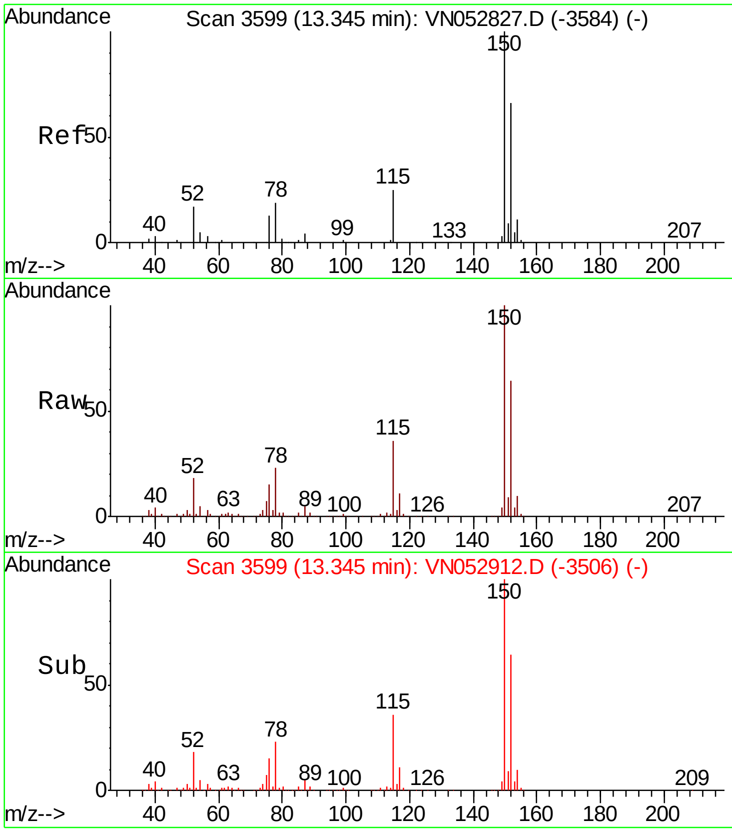


#71
Bromoform
Concen: 0.564 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion:173 Resp: 5025

Ion	Ratio	Lower	Upper
173	100		
175	915.8	24.3	72.9#
254	0.0	0.1	0.1#



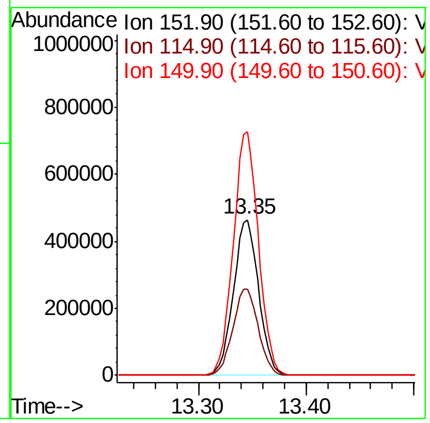


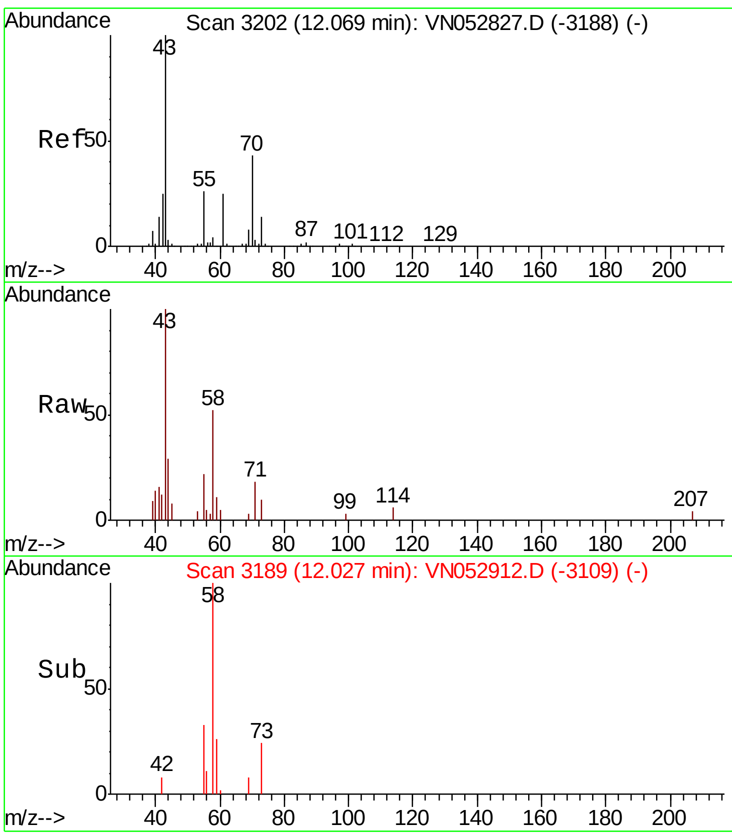
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:152 Resp: 757060

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	85.0
150	156.5	0.0	347.8

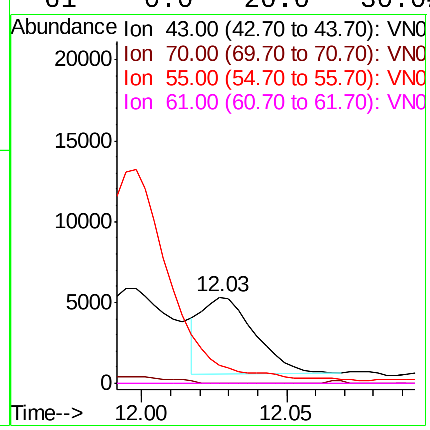


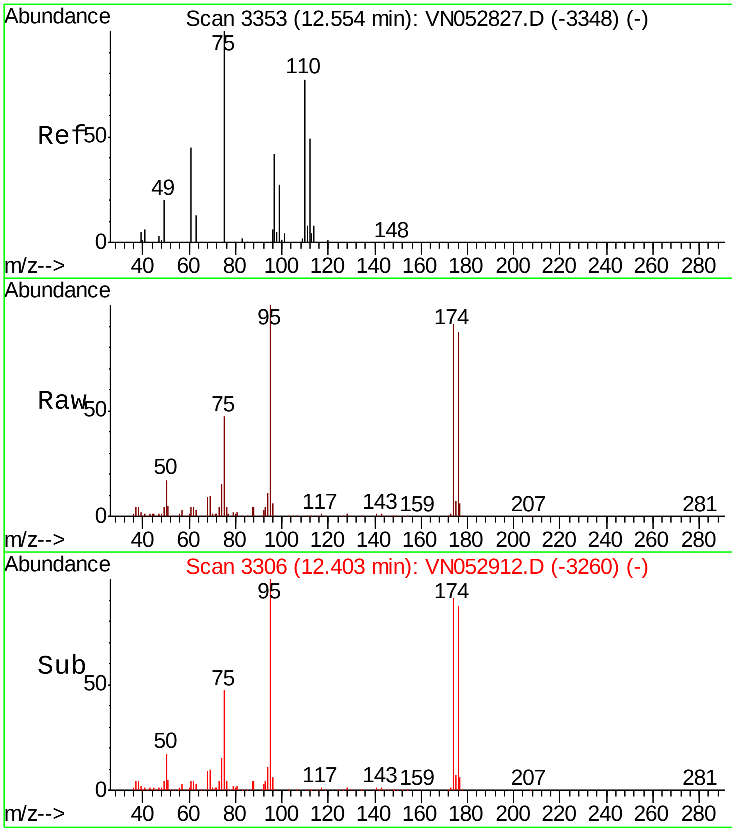


#74
N-amyl acetate
Concen: 0.384 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion: 43 Resp: 5964

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.2	51.4#
55	0.0	20.3	30.5#
61	0.0	20.0	30.0#



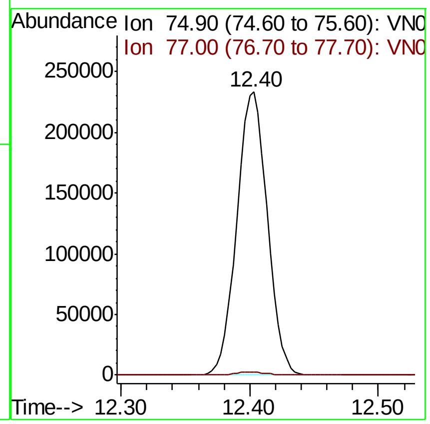


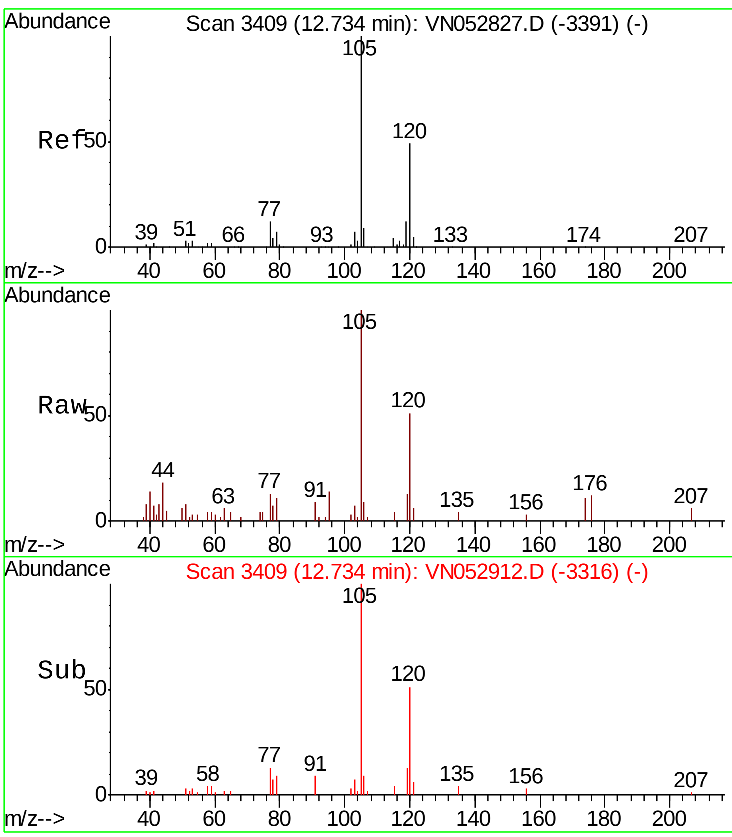
#76
1,2,3-Trichloropropane
Concen: 34.375 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 383958

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

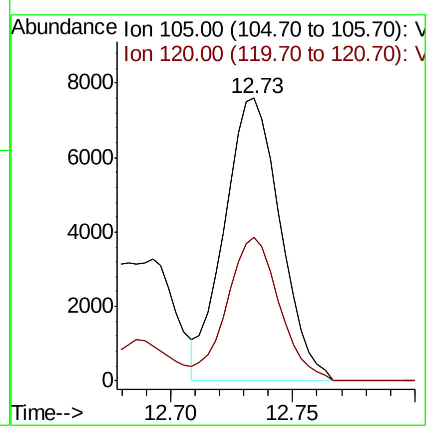


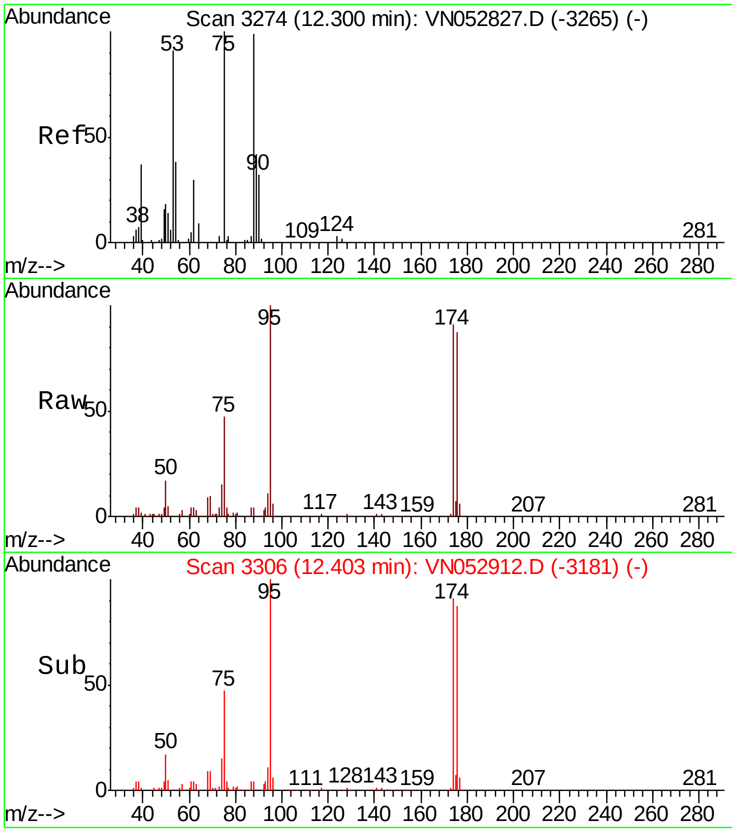


#80
1,3,5-Trimethylbenzene
Concen: 0.266 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion:105 Resp: 12159

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.4	73.2



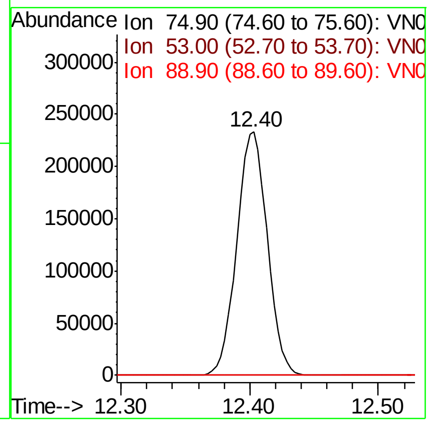


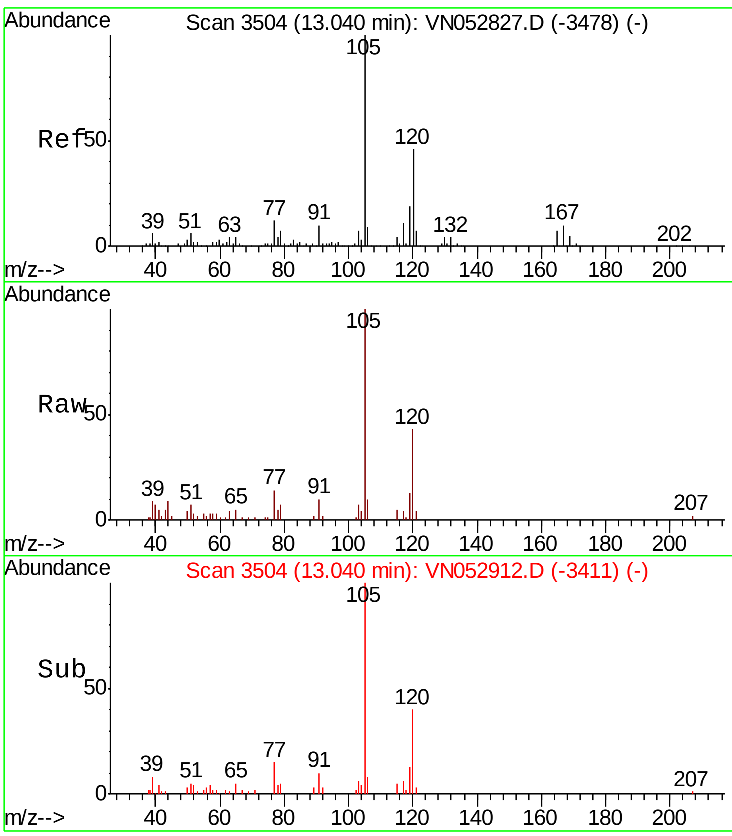
#81
trans-1,4-Dichloro-2-butene
Concen: 110.430 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 383958

Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.7	112.1#
89	0.0	36.1	54.1#

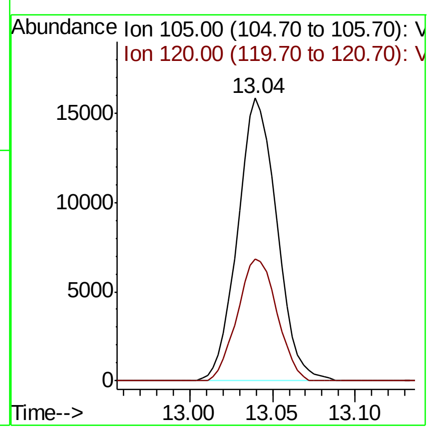


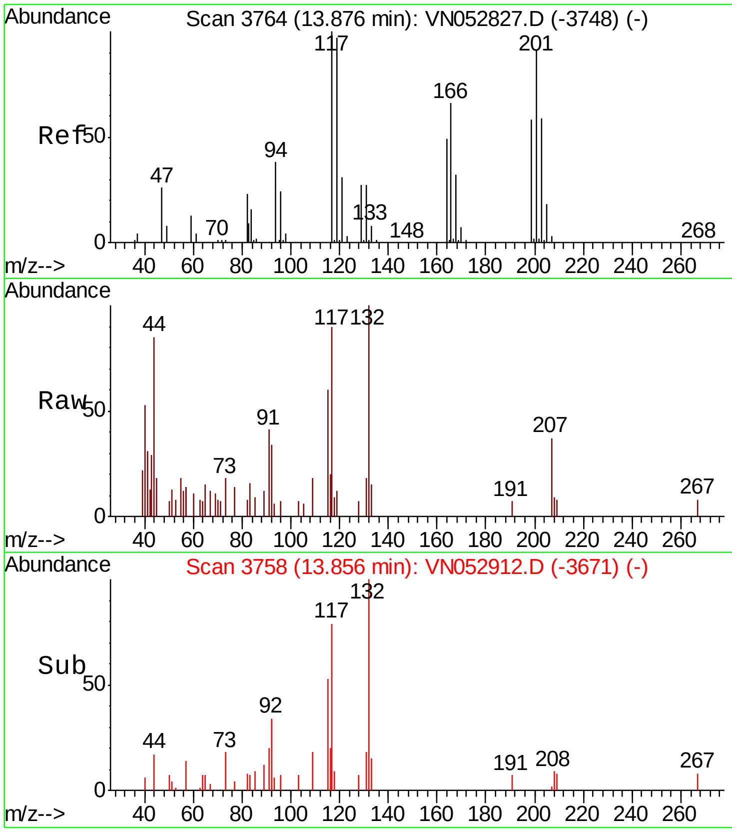


#84
1,2,4-Trimethylbenzene
Concen: 0.566 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion:105 Resp: 26141

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.9	68.8

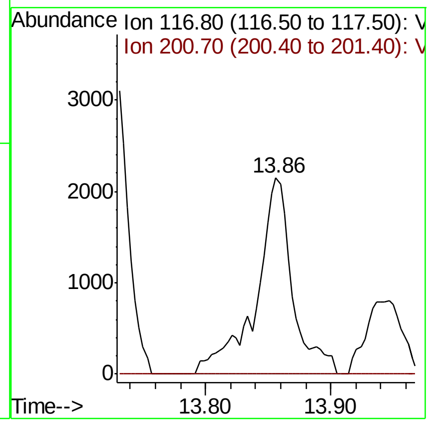


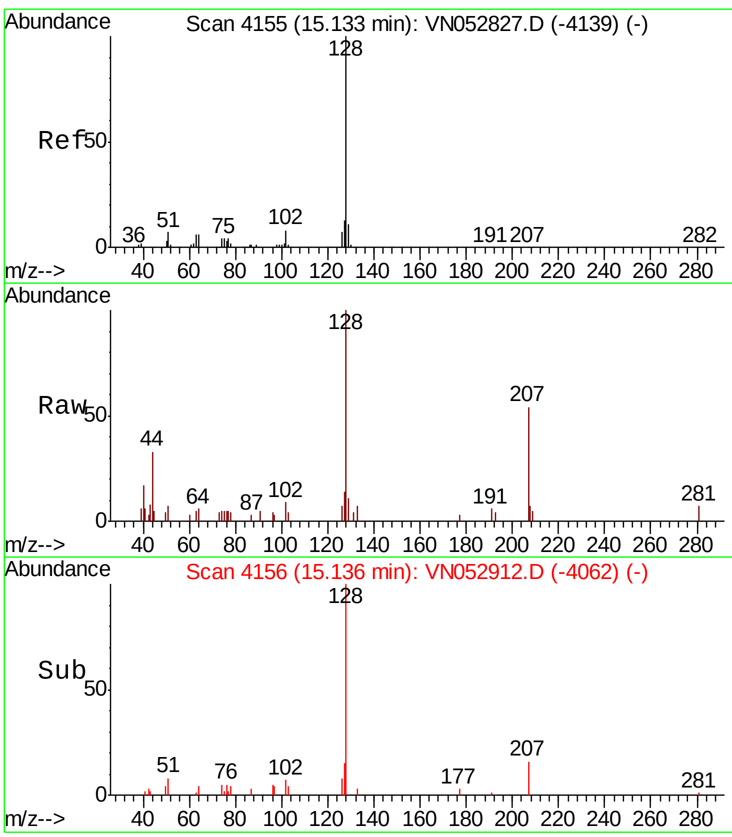


#90
Hexachloroethane
Concen: 0.550 ug/l
RT: 13.86 min Scan# 3758
Delta R.T. -0.02 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117	Resp:		4347
Ion	Ratio	Lower	Upper
117	100		
201	0.0	45.7	137.1#





#95
Naphthalene
Concen: 0.358 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052912.D
Acq: 15 Dec 2018 1:46

Tgt Ion:128	Resp:		9908
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	12.3	8.6	13.0