

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051641.D
 Acq On : 1 Oct 2018 16:31
 Operator : MD\SY
 Sample : J5178-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-21

Quant Time: Oct 02 01:55:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	96666	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	471163	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	401329	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211622	31.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.80%
60) 4-Bromofluorobenzene	12.40	95	133326	21.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.00%
63) Toluene-d8	10.09	98	541714	28.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.37%

Target Compounds

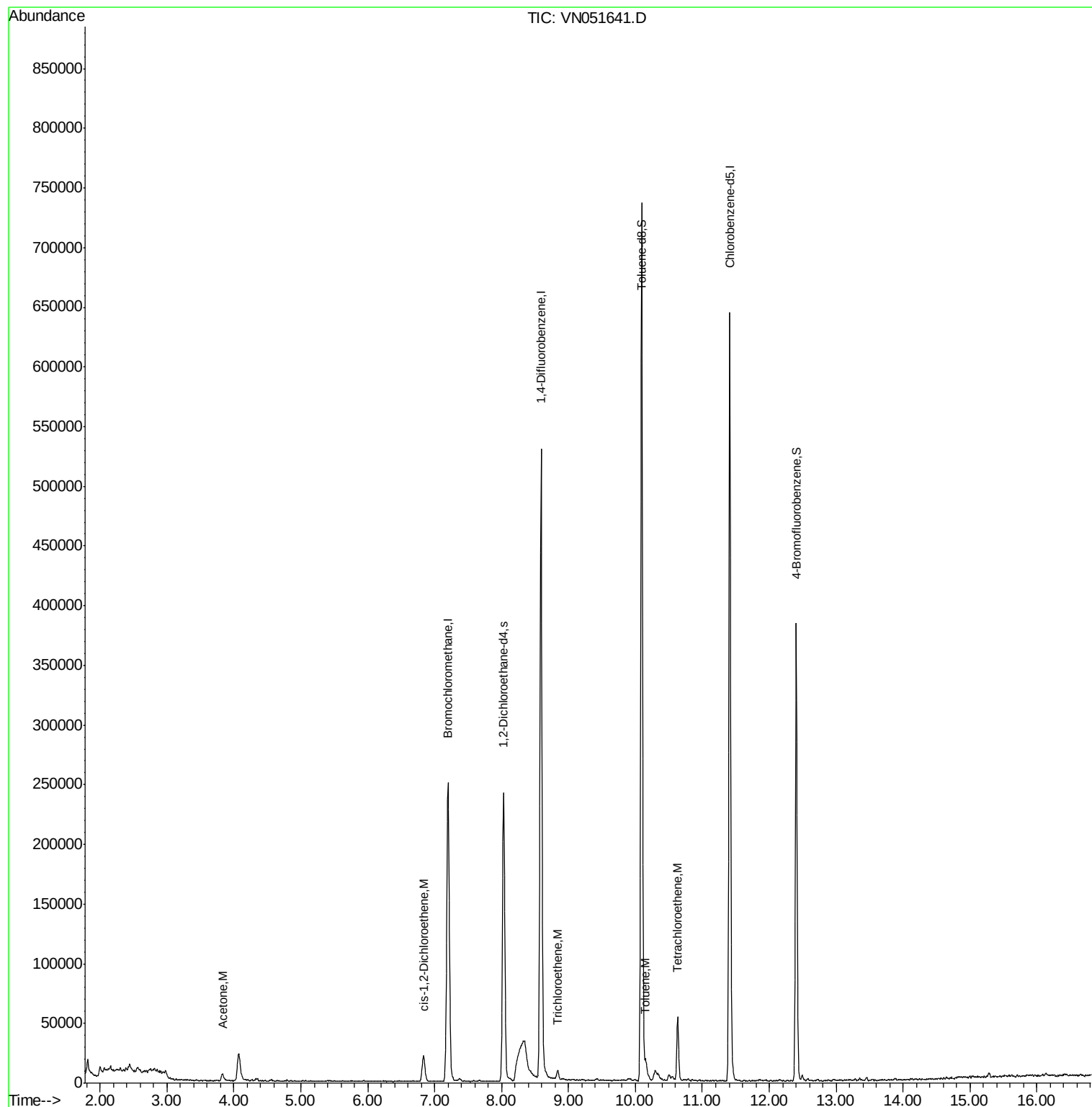
					Ovalue
15) Acetone	3.82	58	2283	4.221 ug/l	# 59
22) cis-1,2-Dichloroethene	6.83	96	12102	1.788 ug/l	90
37) Trichloroethene	8.84	130	3094	0.506 ug/l	96
61) Tetrachloroethene	10.63	164	13078	2.302 ug/l	91
62) Toluene	10.16	91	7534	0.306 ug/l	97

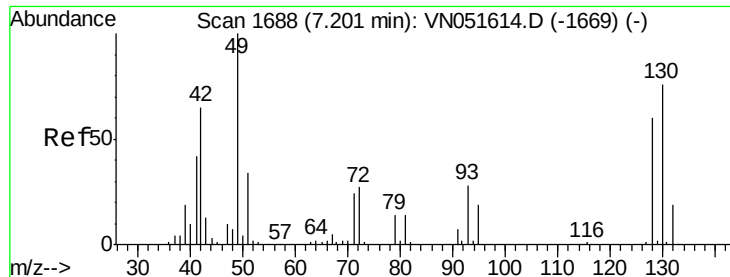
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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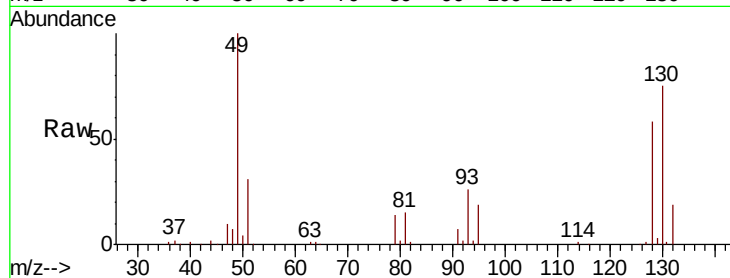




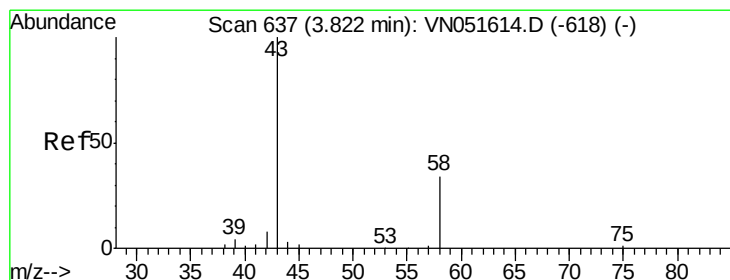
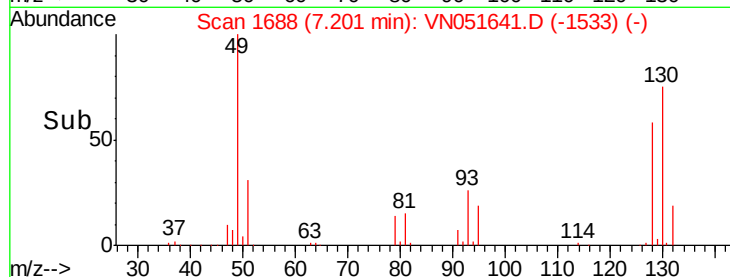
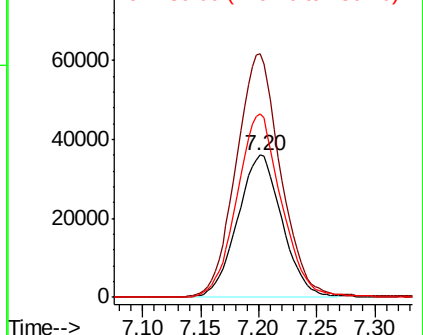
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

Instrument :
MSVOA_N
ClientSampled :
2-AVE-21

Tot Ion:128 Resp: 96666
Ion Ratio Lower Upper
128 100
49 171.0 0.0 426.8
130 128.6 0.0 326.3

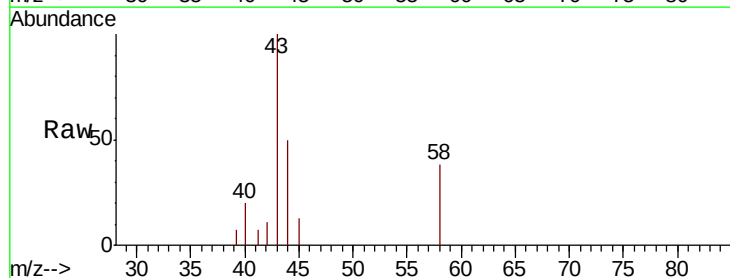


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

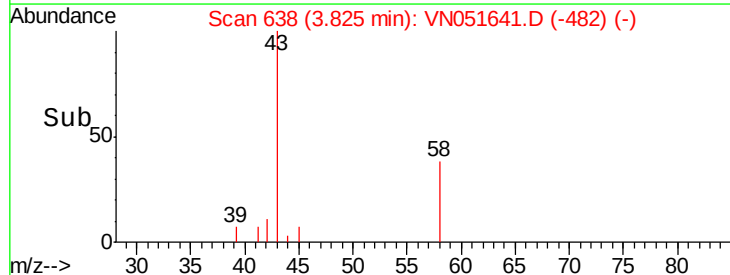
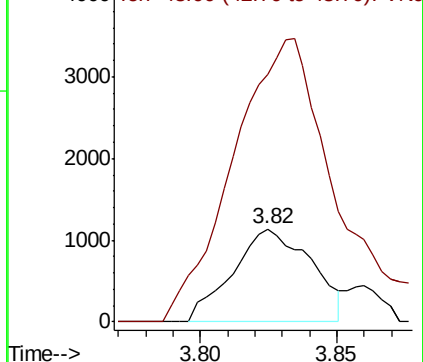


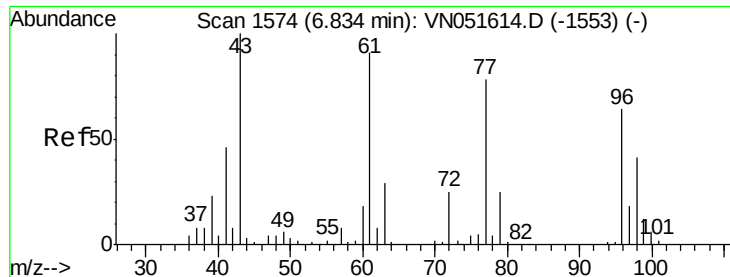
#15
Acetone
Concen: 4.221 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

Tgt Ion: 58 Resp: 2283
Ion Ratio Lower Upper
58 100
43 216.8 238.0 357.0#



Abundance Ion 58.00 (57.70 to 58.70): VN
Ion 43.00 (42.70 to 43.70): VN

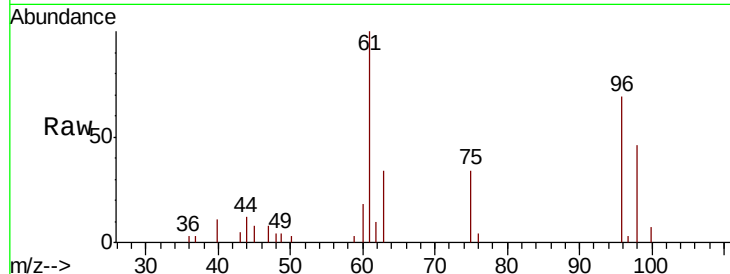




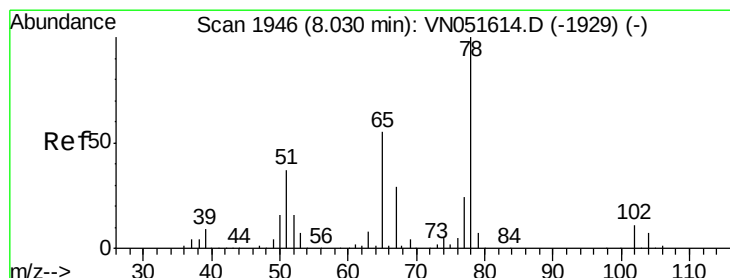
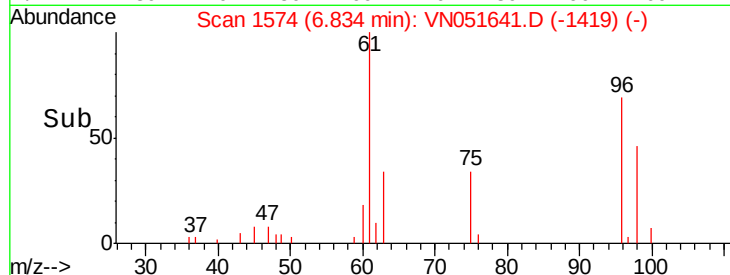
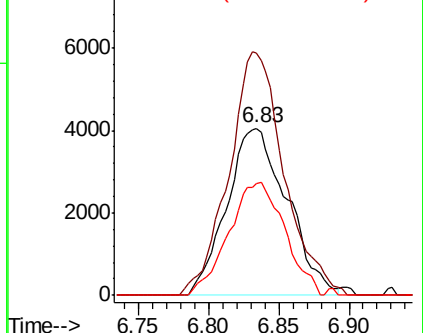
#22
 cis-1,2-Dichloroethene
 Concen: 1.788 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051641.D
 Acq: 1 Oct 2018 16:31

Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-21

Tot Ion: 96 Resp: 12102
 Ion Ratio Lower Upper
 96 100
 61 133.8 120.4 180.6
 98 62.9 51.4 77.0

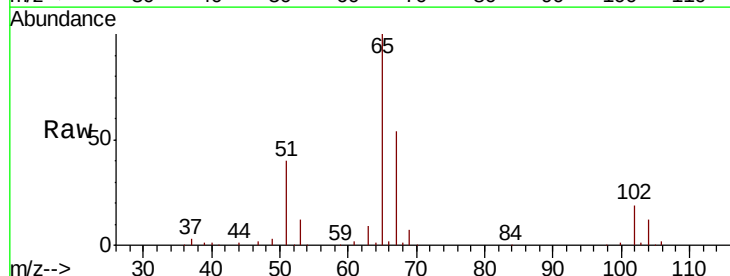


Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

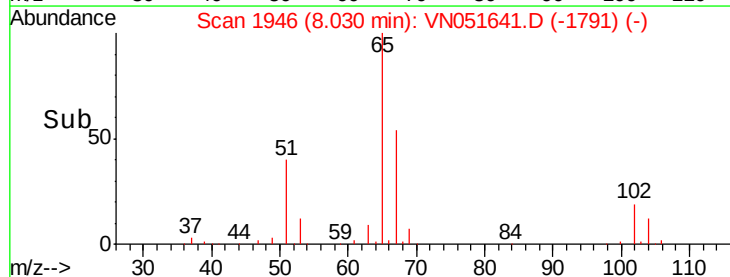
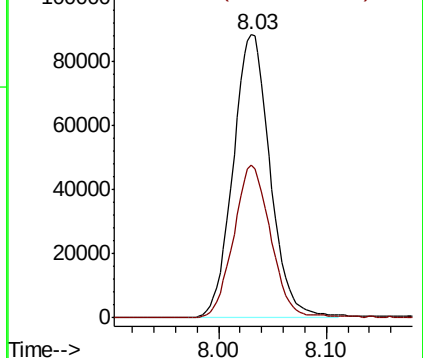


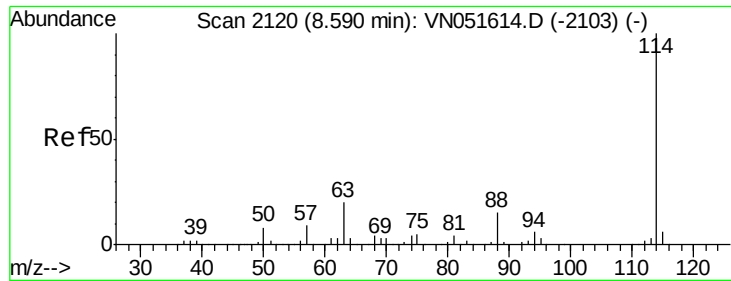
#27
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051641.D
 Acq: 1 Oct 2018 16:31

Tgt Ion: 65 Resp: 211622
 Ion Ratio Lower Upper
 65 100
 67 53.5 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VN0
 Ion 67.00 (66.70 to 67.70): VN0

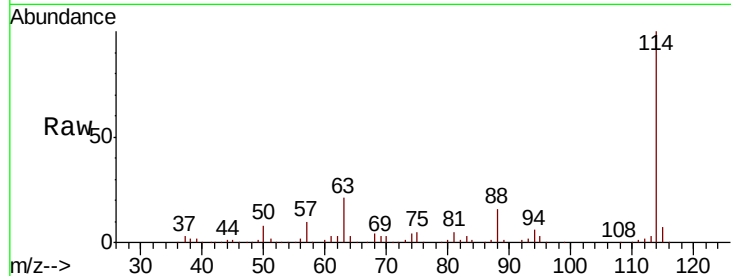




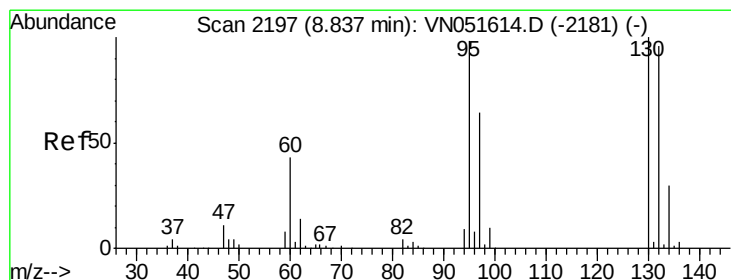
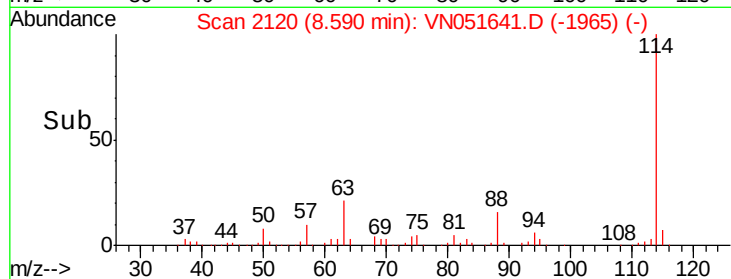
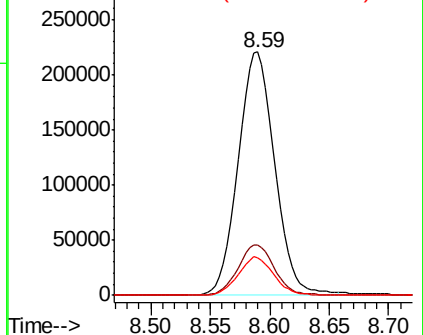
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2120
Delta R.T. -0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

Instrument :
MSVOA_N
ClientSampled :
2-AVE-21

Tot Ion:114 Resp: 471163
Ion Ratio Lower Upper
114 100
63 20.6 16.4 24.6
88 15.4 12.6 18.8

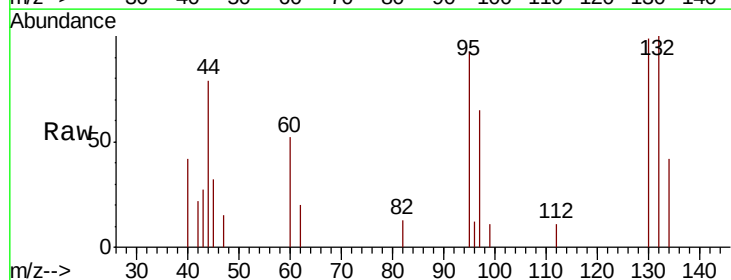


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VN
Ion 88.00 (87.70 to 88.70): VN

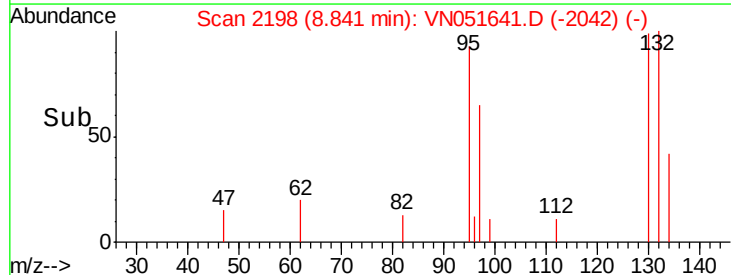
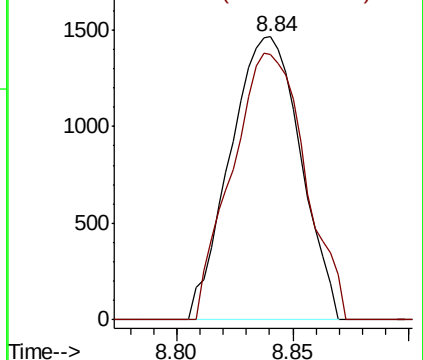


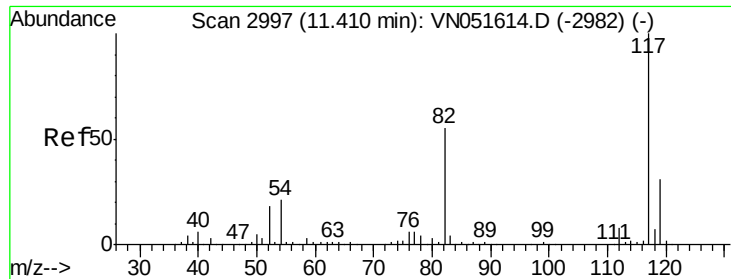
#37
Trichloroethene
Concen: 0.506 ug/l
RT: 8.84 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

Tgt Ion:130 Resp: 3094
Ion Ratio Lower Upper
130 100
95 94.0 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VN

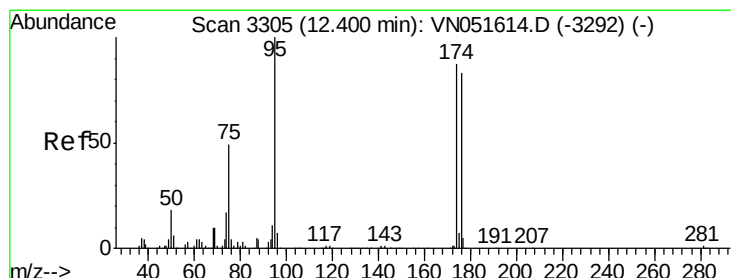
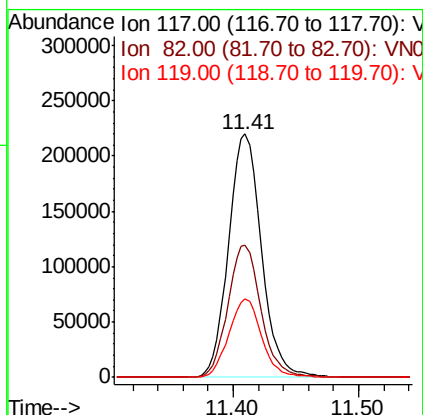
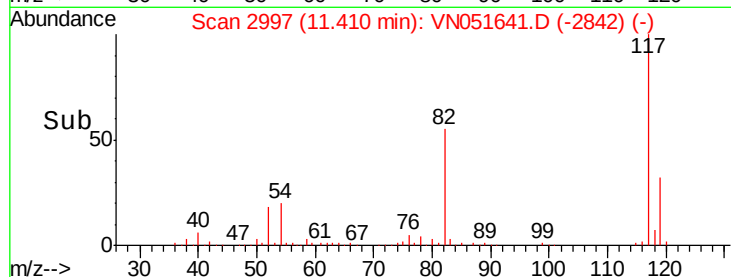
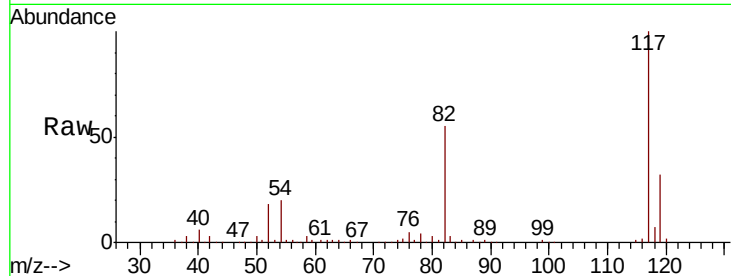




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

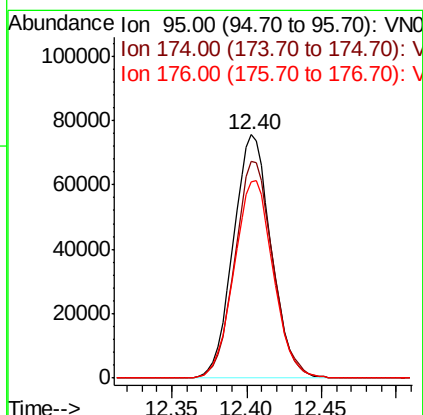
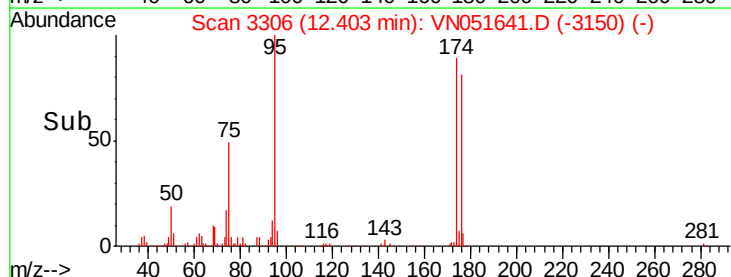
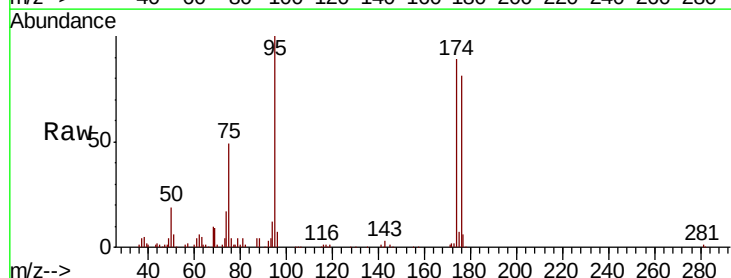
Instrument :
MSVOA_N
ClientSampled :
2-AVE-21

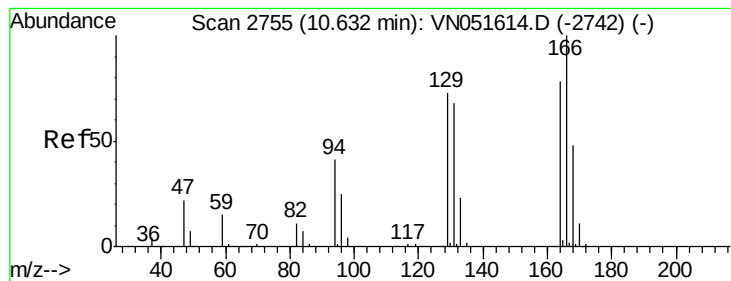
Tot Ion:117 Resp: 401329
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.0 25.2 37.8



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

Tgt Ion: 95 Resp: 133326
Ion Ratio Lower Upper
95 100
174 89.6 71.2 106.8
176 83.6 67.8 101.8





#61

Tetrachloroethene

Concen: 2.302 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051641.D

Acq: 1 Oct 2018 16:31

Instrument :

MSVOA_N

ClientSampled :

2-AVE-21

Tot Ion:164 Resp: 13078

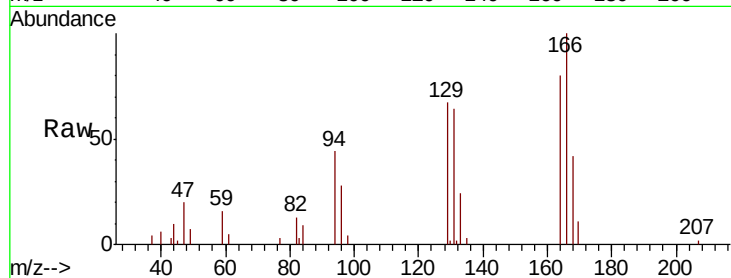
Ion Ratio Lower Upper

164 100

166 124.7 103.1 154.7

129 80.1 75.3 112.9

131 79.4 70.8 106.2

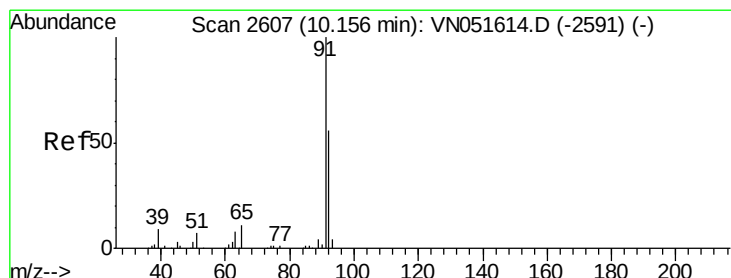
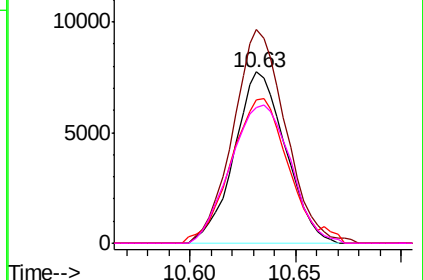
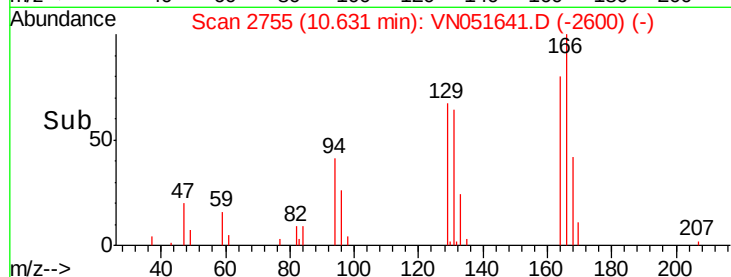


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 0.306 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051641.D

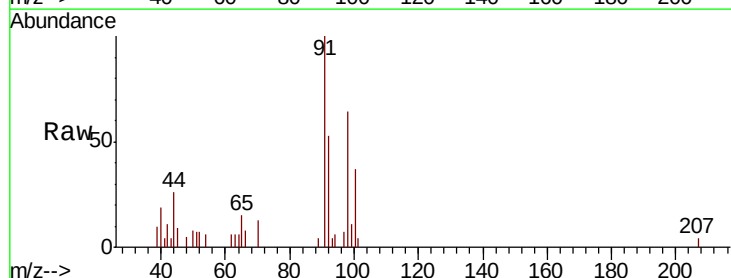
Acq: 1 Oct 2018 16:31

Tgt Ion: 91 Resp: 7534

Ion Ratio Lower Upper

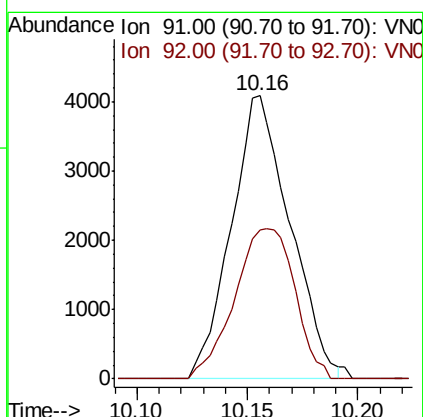
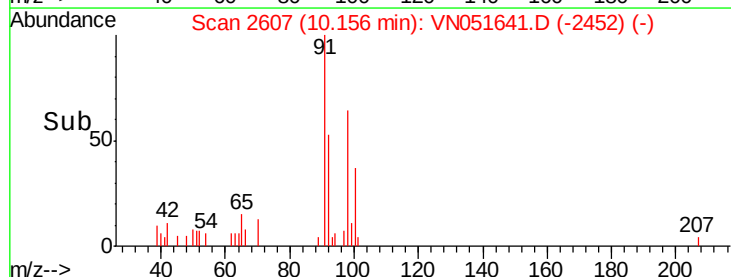
91 100

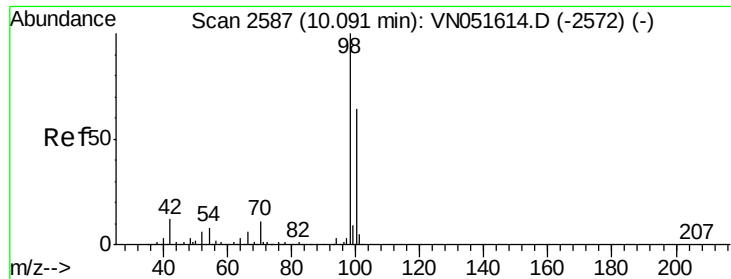
92 54.5 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63
Toluene-d8
Concen: 0.306 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051641.D
Acq: 1 Oct 2018 16:31

Instrument :
MSVOA_N
ClientSampleId :
2-AVE-21

Tot Ion: 98 Resp: 541714
Ion Ratio Lower Upper
98 100
100 62.3 51.4 77.0

