

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051315.D
 Acq On : 19 Sep 2018 13:36
 Operator : MD\SY
 Sample : J4921-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-20

Quant Time: Sep 19 16:35:46 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	91458	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	470337	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	375892	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	170723	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.40	95	109426	19.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	65.27%
63) Toluene-d8	10.09	98	525714	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

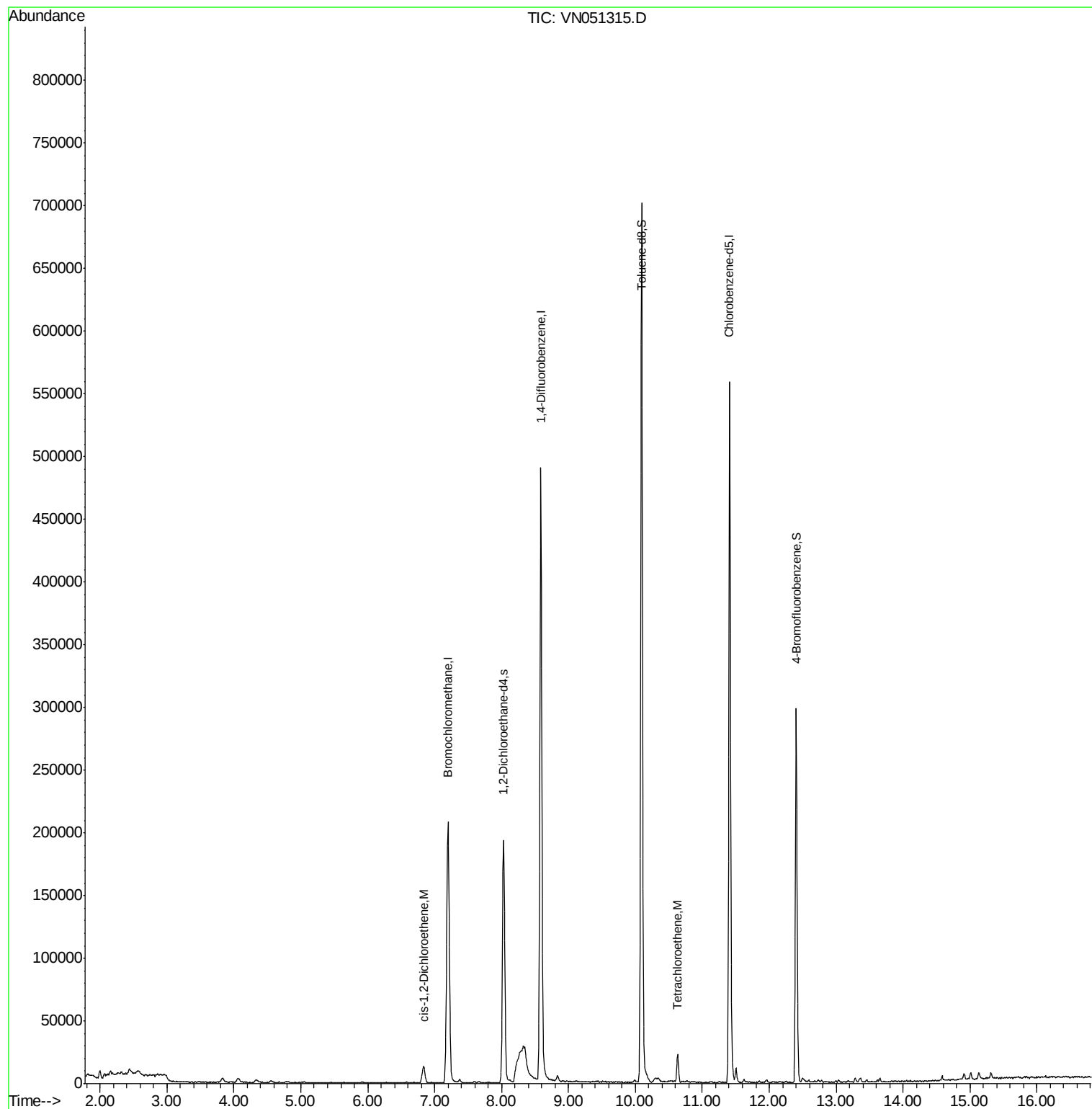
Target Compounds					Ovalue
22) cis-1,2-Dichloroethene	6.83	96	9295	1.56 ug/l	# 43
61) Tetrachloroethene	10.63	164	5686	1.21 ug/l	92

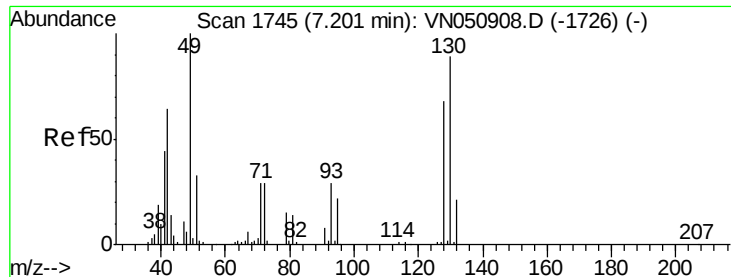
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051315.D

Acq: 19 Sep 2018 13:36

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MSVOA_N

ClientSampleId :

2-AVE-20

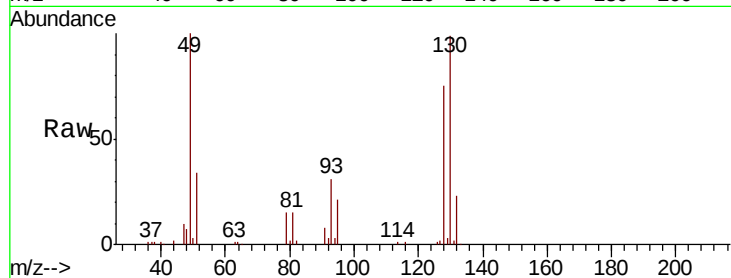
Tot Ion:128 Resp: 91458

Ion Ratio Lower Upper

128 100

49 137.0 0.0 380.3

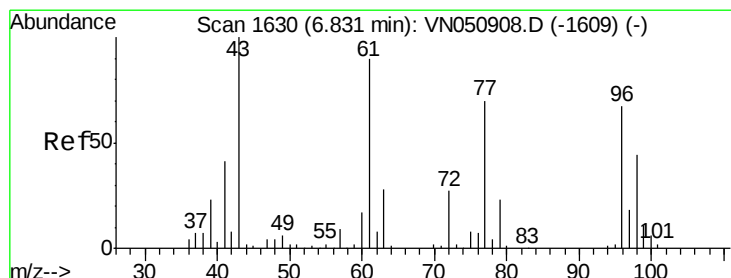
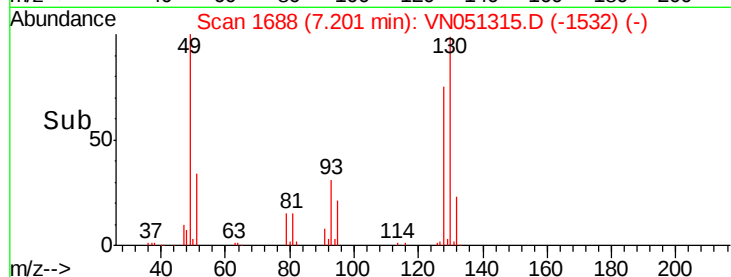
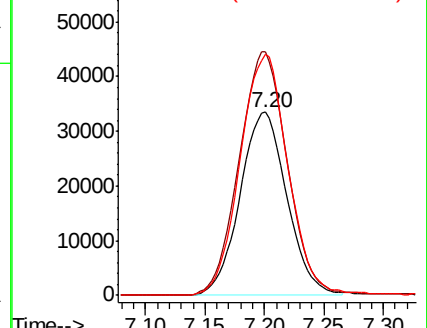
130 134.1 0.0 325.3



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



#22

cis-1,2-Dichloroethene

Concen: 1.56 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051315.D

Acq: 19 Sep 2018 13:36

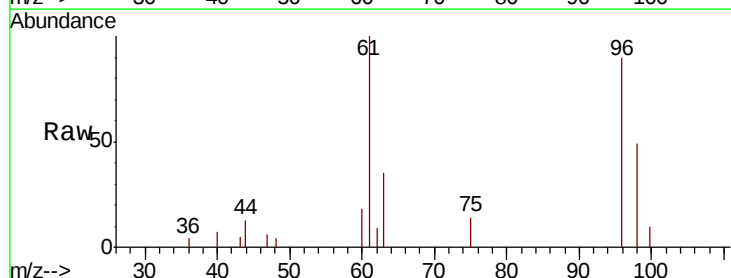
Tgt Ion: 96 Resp: 9295

Ion Ratio Lower Upper

96 100

61 55.0 110.0 165.0#

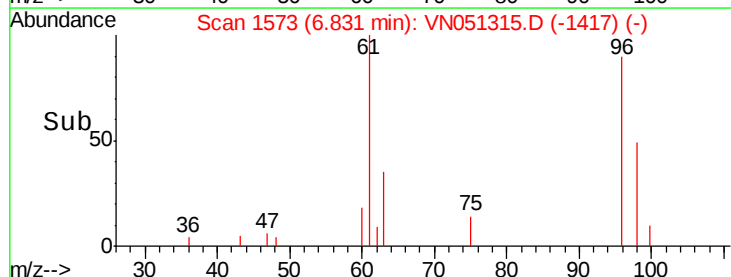
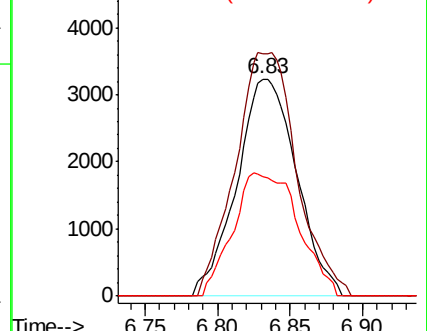
98 40.0 51.7 77.5#

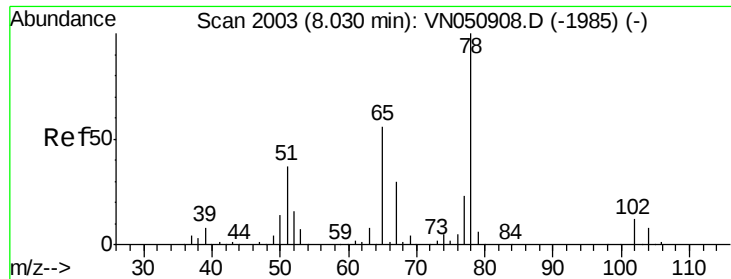


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V





#27

1,2-Dichloroethane-d4

Concen: 29.25 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051315.D

Acq: 19 Sep 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

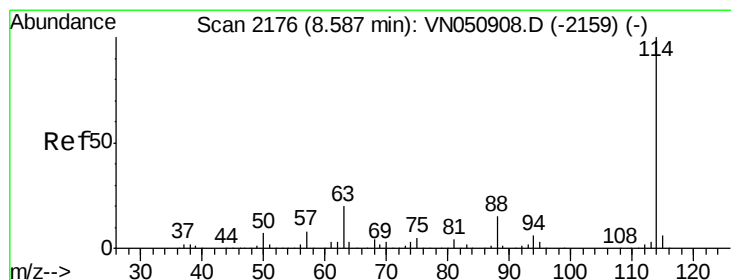
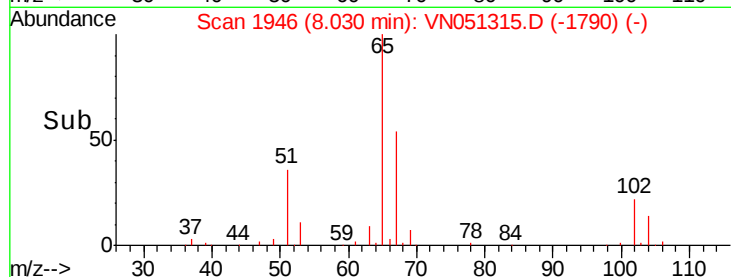
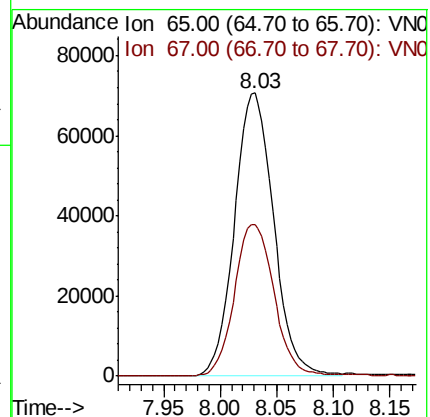
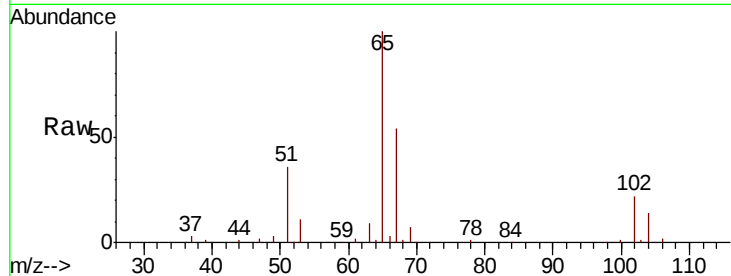
2-AVE-20

Tot Ion: 65 Resp: 170723

Ion Ratio Lower Upper

65 100

67 54.2 43.7 65.5



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051315.D

Acq: 19 Sep 2018 13:36

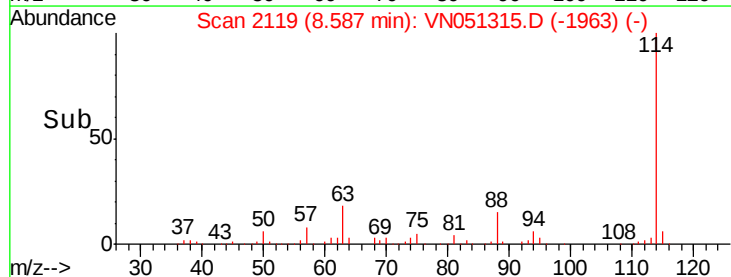
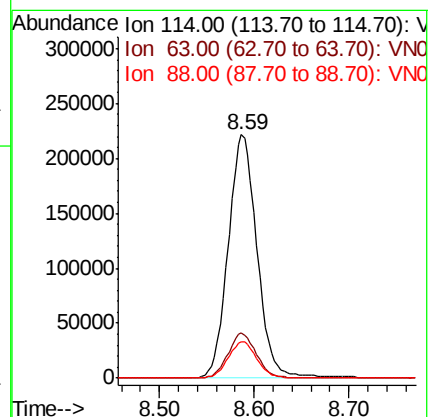
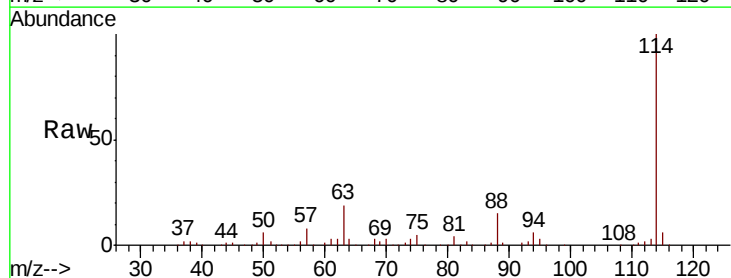
Tgt Ion: 114 Resp: 470337

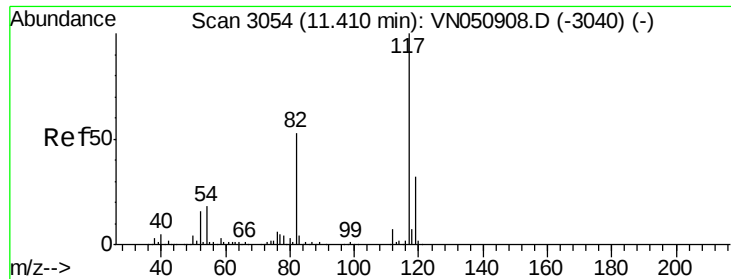
Ion Ratio Lower Upper

114 100

63 18.1 15.6 23.4

88 14.8 12.2 18.4

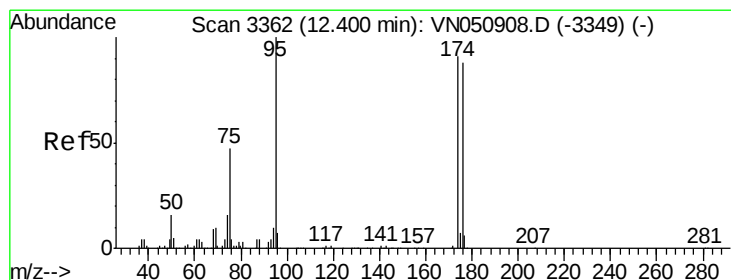
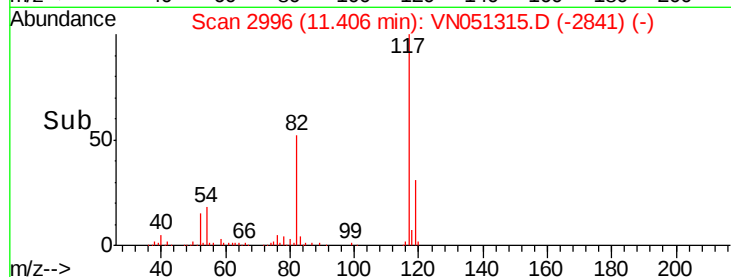
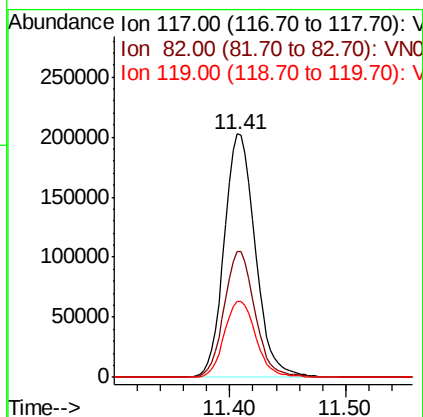
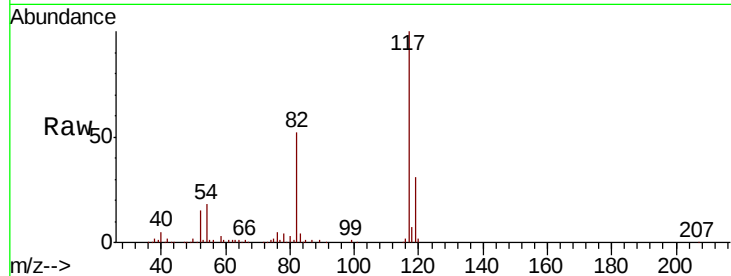




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051315.D
Acq: 19 Sep 2018 13:36

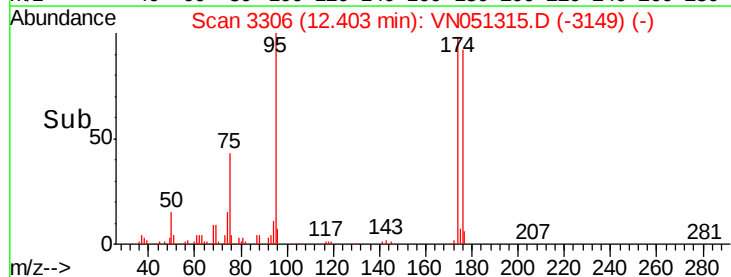
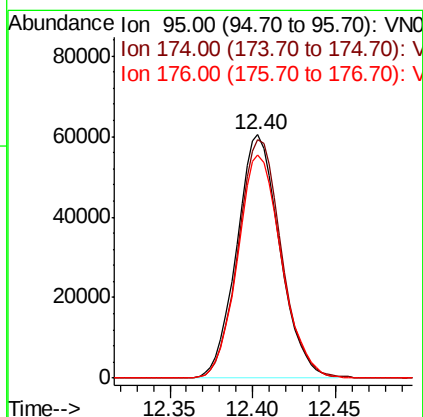
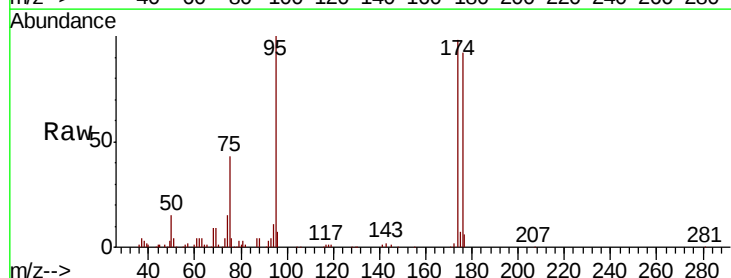
Instrument :
MSVOA_N
ClientSampled :
2-AVE-20

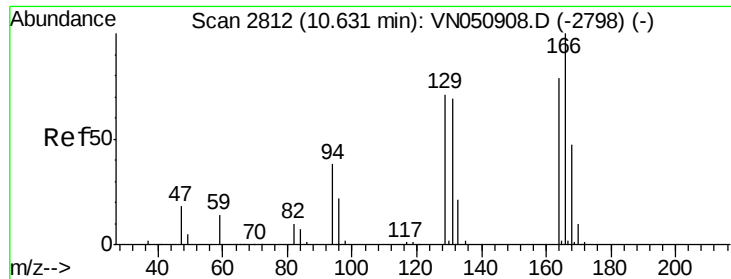
Tot Ion:117 Resp: 375892
Ion Ratio Lower Upper
117 100
82 51.3 42.6 64.0
119 31.9 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 19.58 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051315.D
Acq: 19 Sep 2018 13:36

Tgt Ion: 95 Resp: 109426
Ion Ratio Lower Upper
95 100
174 98.6 74.6 112.0
176 93.4 71.5 107.3





#61

Tetrachloroethene

Concen: 1.21 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN051315.D

Acq: 19 Sep 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-20

Tot Ion:164 Resp: 5686

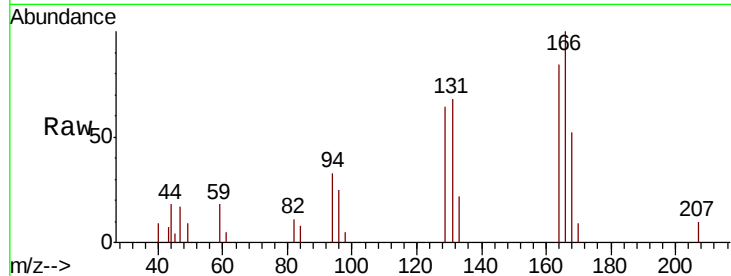
Ion Ratio Lower Upper

164 100

166 119.2 100.6 151.0

129 75.7 71.0 106.6

131 80.7 69.3 103.9

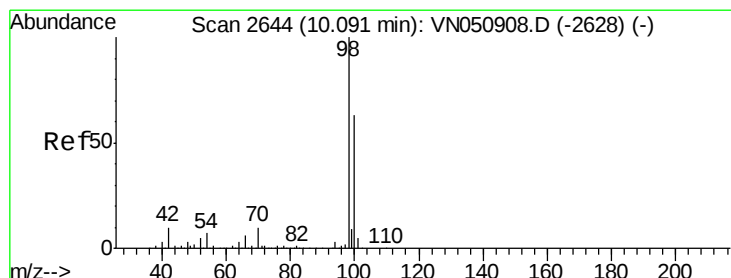
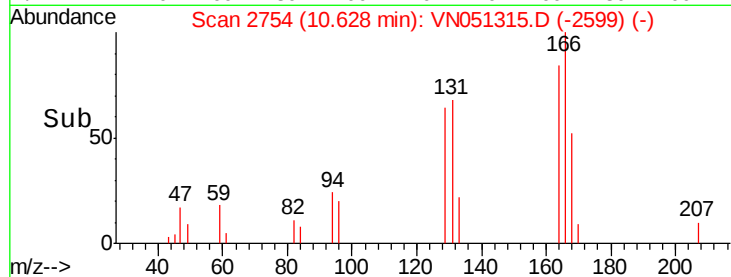
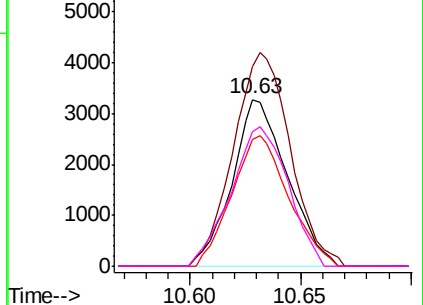


Abundance Ion 163.85 (163.55 to 164.55): V

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



#63

Toluene-d8

Concen: 29.99 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051315.D

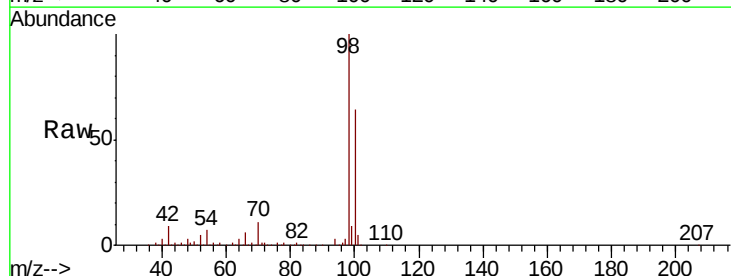
Acq: 19 Sep 2018 13:36

Tgt Ion: 98 Resp: 525714

Ion Ratio Lower Upper

98 100

100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

