

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050766.D
 Acq On : 20 Aug 2018 11:44
 Operator : MD\SY
 Sample : J4554-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-18

Quant Time: Aug 21 14:16:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115247	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	588371	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	491129	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	232047	29.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.73%
60) 4-Bromofluorobenzene	12.40	95	163080	21.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.03%
63) Toluene-d8	10.09	98	698821	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

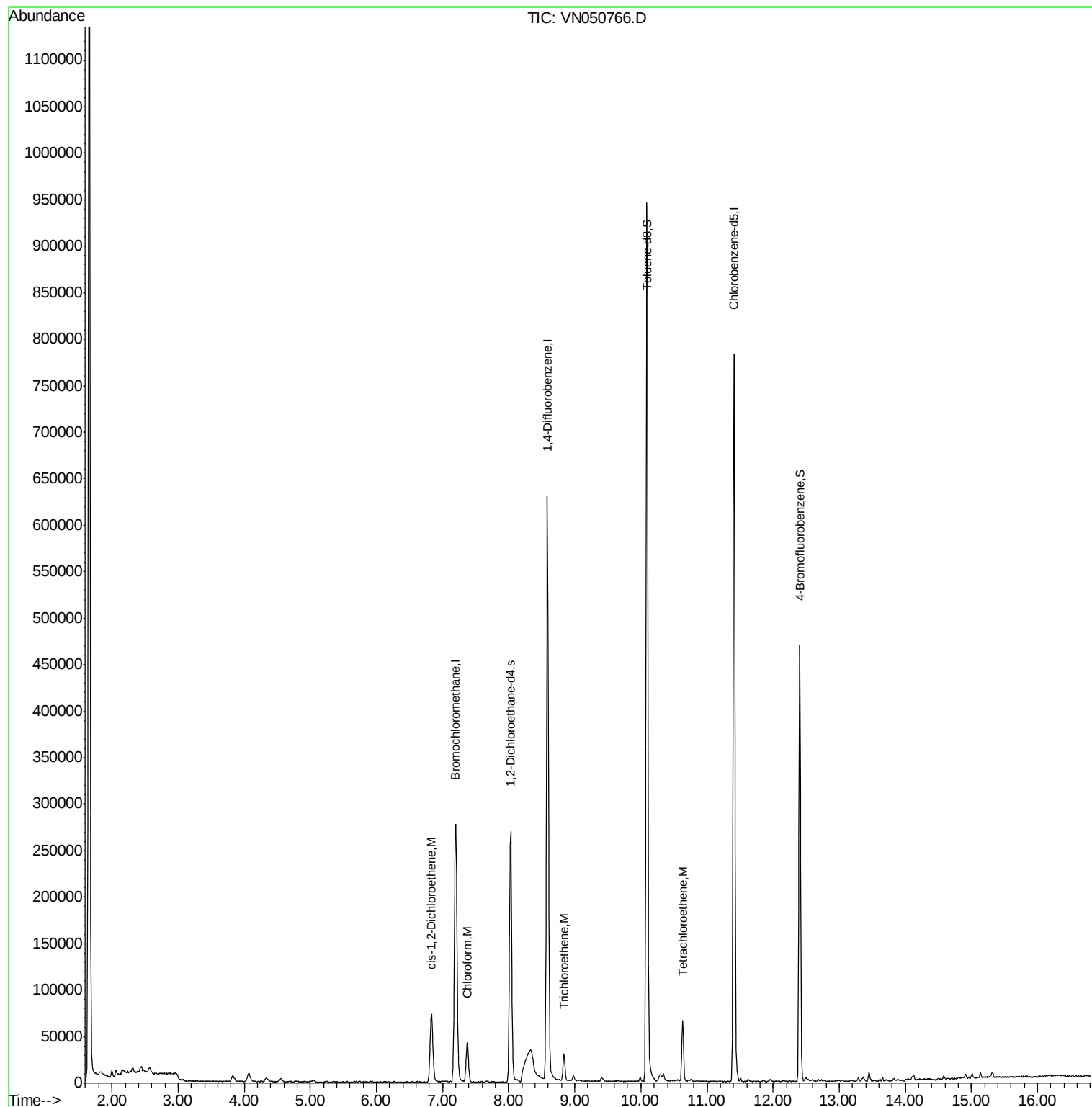
Target Compounds					Ovalue
22) cis-1,2-Dichloroethene	6.83	96	49735	6.82 ug/l	91
25) Chloroform	7.37	83	44960	3.55 ug/l	96
37) Trichloroethene	8.83	130	11010	1.51 ug/l	90
61) Tetrachloroethene	10.63	164	16156	2.43 ug/l	96

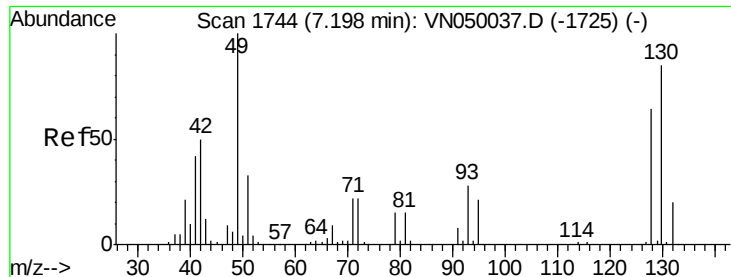
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 26 15:21:50 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050766.D

Acq: 20 Aug 2018 11:44

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-18

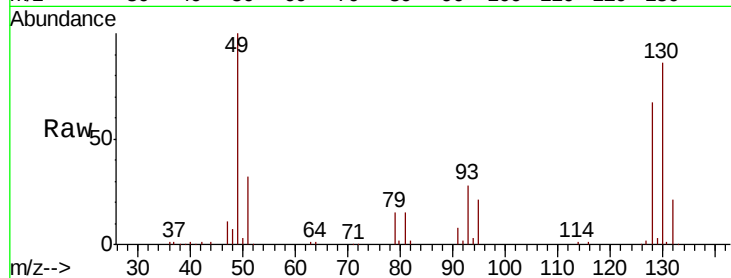
Tot Ion:128 Resp: 115247

Ion Ratio Lower Upper

128 100

49 153.5 0.0 378.3

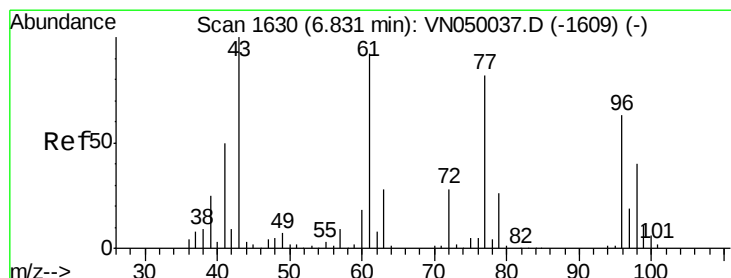
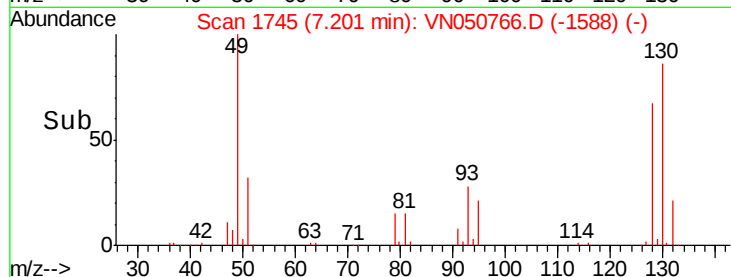
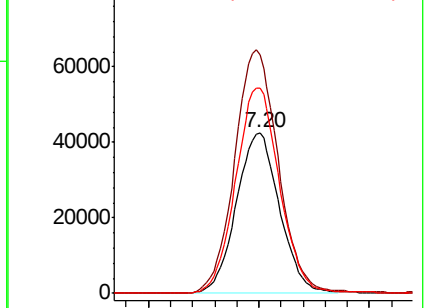
130 129.8 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#22

cis-1,2-Dichloroethene

Concen: 6.82 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050766.D

Acq: 20 Aug 2018 11:44

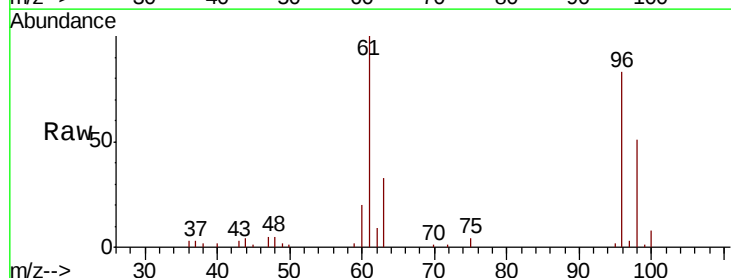
Tgt Ion: 96 Resp: 49735

Ion Ratio Lower Upper

96 100

61 127.6 114.2 171.2

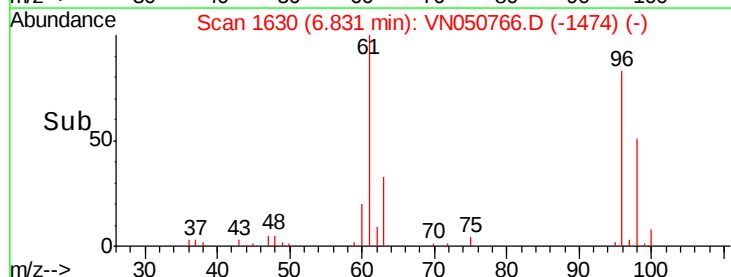
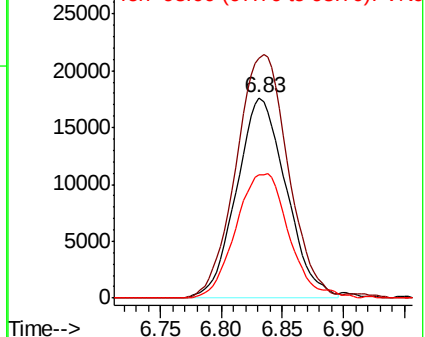
98 65.1 51.7 77.5

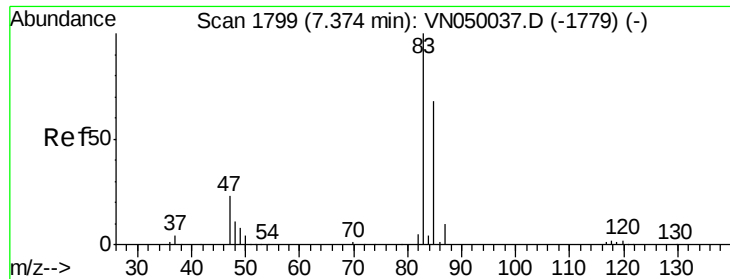


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

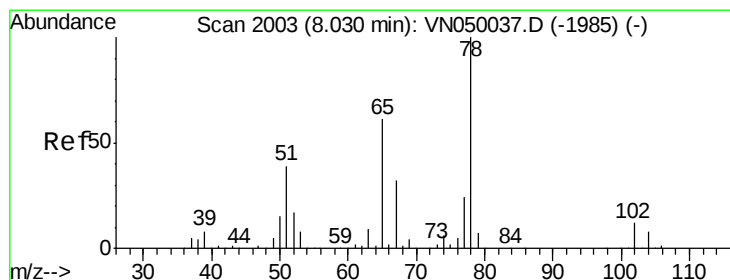
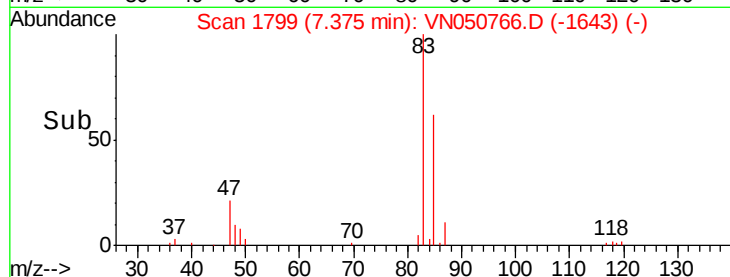
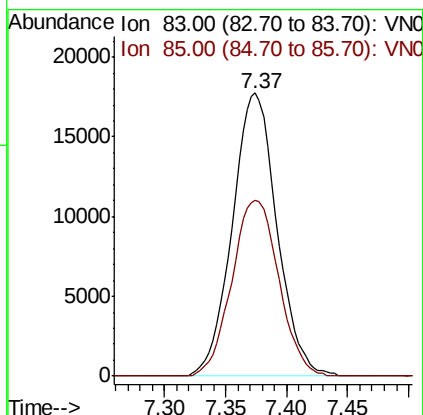
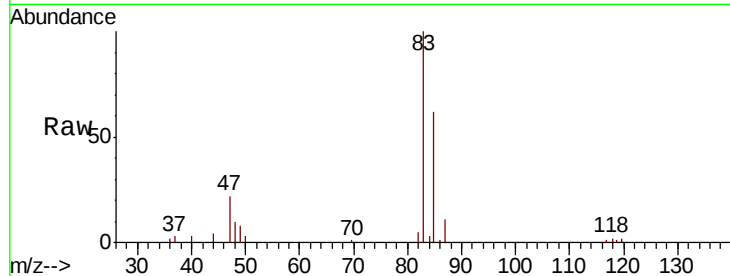




#25
Chloroform
Concen: 3.55 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050766.D
Acq: 20 Aug 2018 11:44

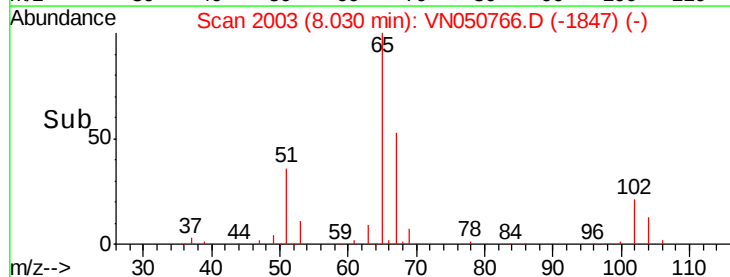
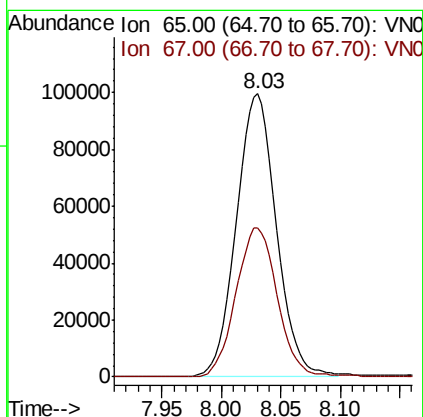
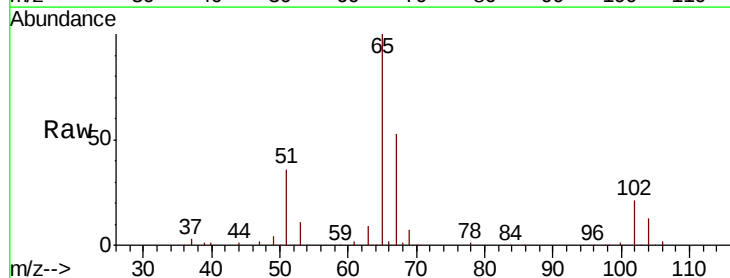
Instrument :
MSVOA_N
ClientSampleId :
2-AVE-18

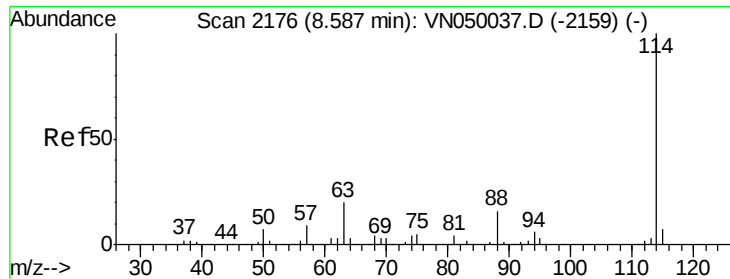
Tot Ion: 83 Resp: 44960
Ion Ratio Lower Upper
83 100
85 62.1 52.1 78.1



#27
1,2-Dichloroethane-d4
Concen: 29.62 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050766.D
Acq: 20 Aug 2018 11:44

Tgt Ion: 65 Resp: 232047
Ion Ratio Lower Upper
65 100
67 54.6 42.7 64.1

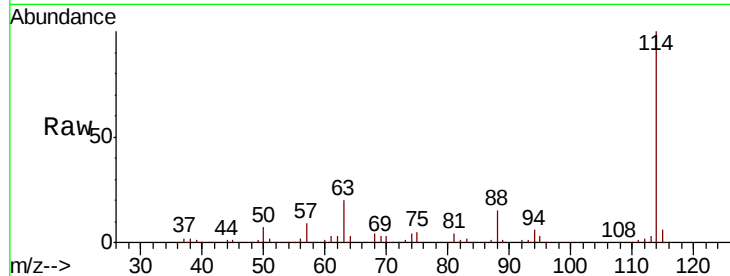




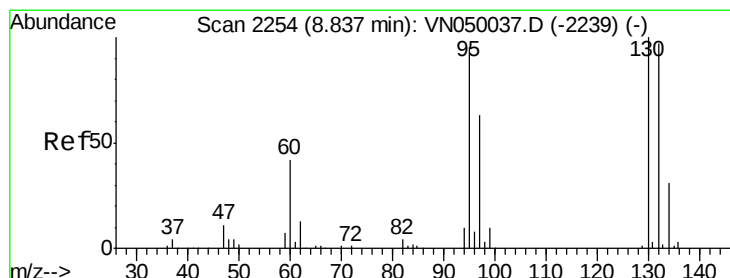
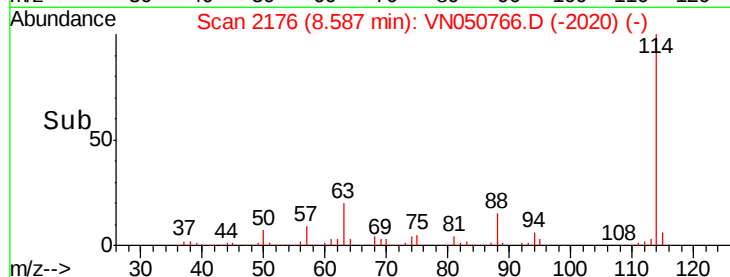
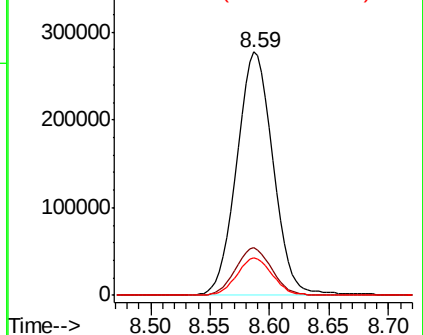
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050766.D
 Acq: 20 Aug 2018 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-18

Tot Ion:114 Resp: 588371
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 15.0 12.3 18.5

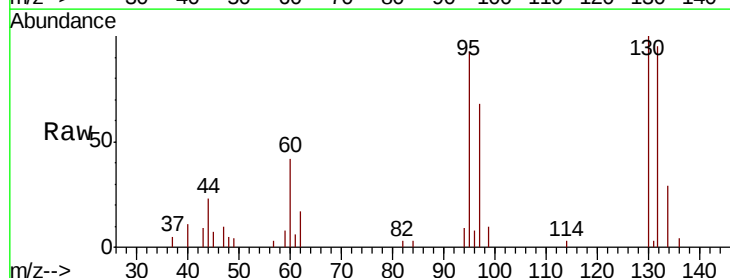


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

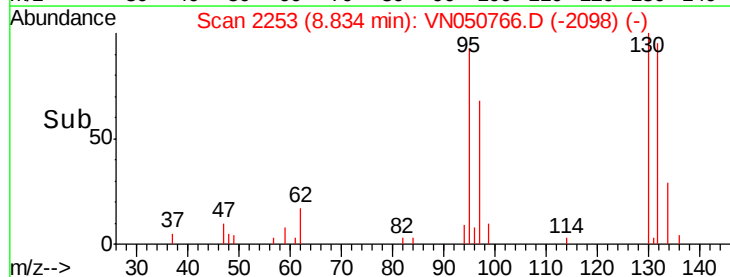
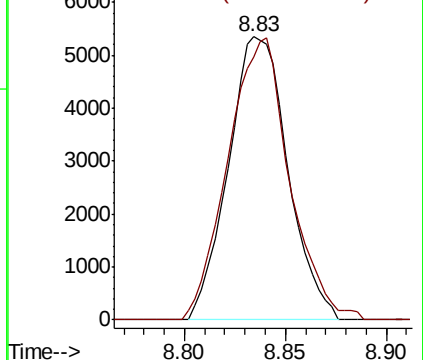


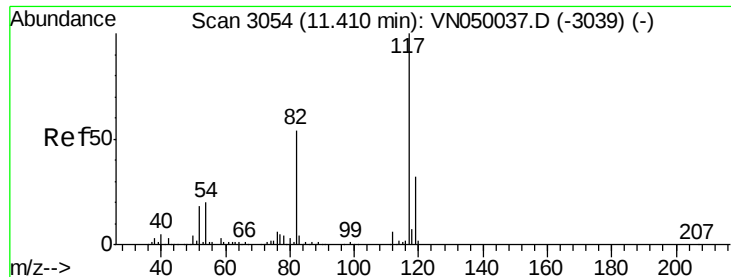
#37
 Trichloroethene
 Concen: 1.51 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050766.D
 Acq: 20 Aug 2018 11:44

Tgt Ion:130 Resp: 11010
 Ion Ratio Lower Upper
 130 100
 95 89.5 79.7 119.5



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

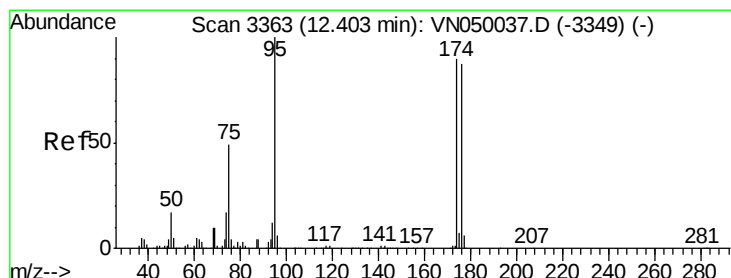
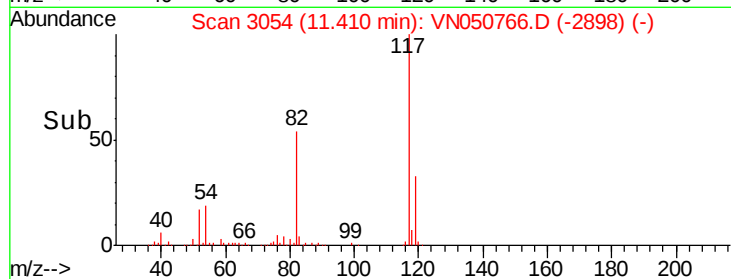
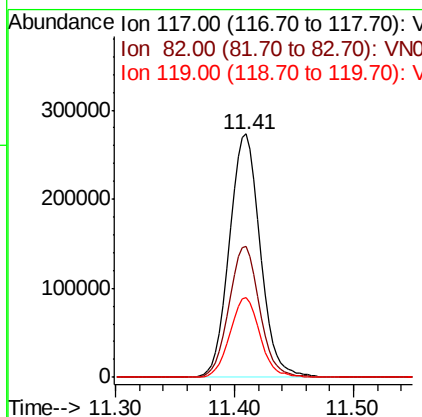
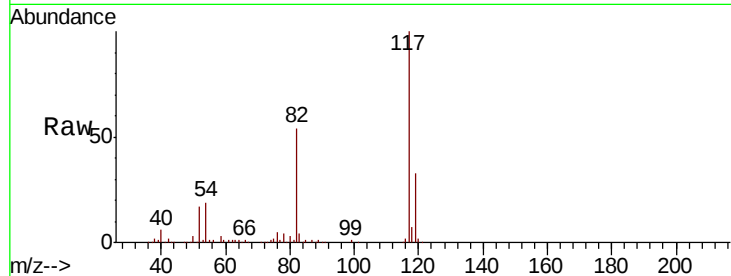




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050766.D
Acq: 20 Aug 2018 11:44

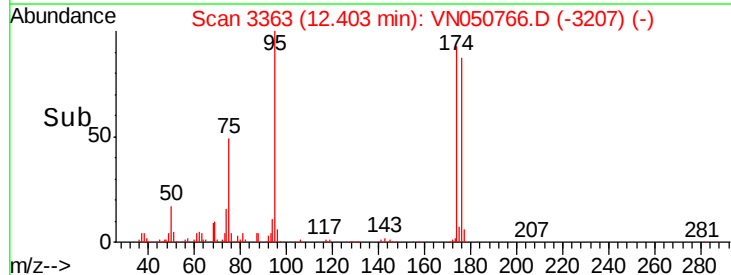
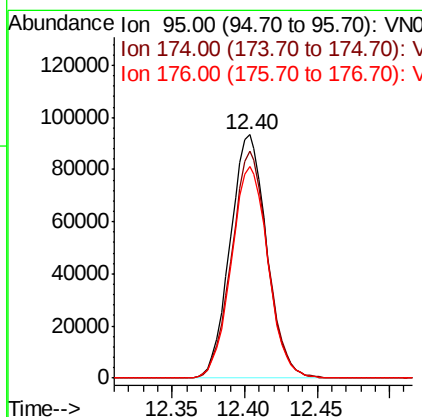
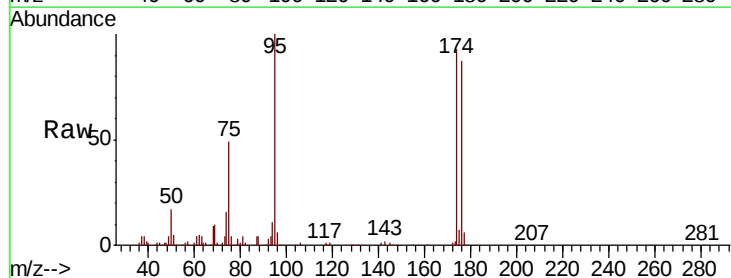
Instrument :
MSVOA_N
ClientSampleId :
2-AVE-18

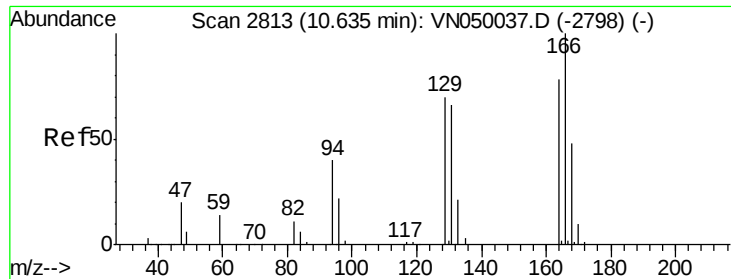
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	32.1	25.4	38.0



#60
4-Bromofluorobenzene
Concen: 21.61 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050766.D
Acq: 20 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	72.3	108.5
176	87.3	70.0	105.0

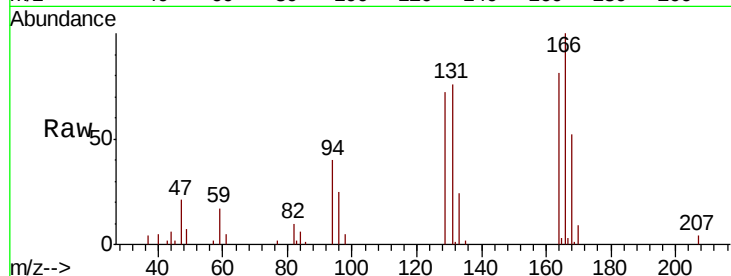




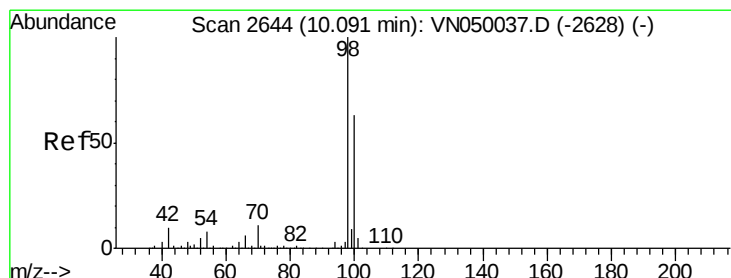
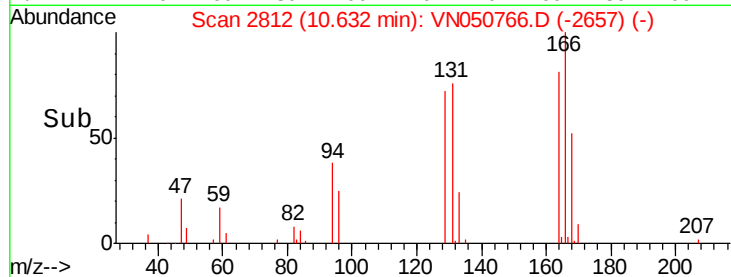
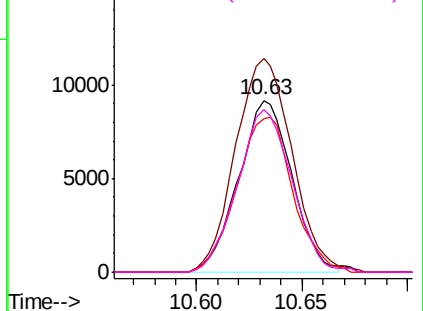
#61
Tetrachloroethene
Concen: 2.43 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050766.D
Acq: 20 Aug 2018 11:44

Instrument :
MSVOA_N
ClientSampleId :
2-AVE-18

Tot Ion:164 Resp: 16156
Ion Ratio Lower Upper
164 100
166 124.1 100.0 150.0
129 89.2 69.3 103.9
131 94.3 68.8 103.2

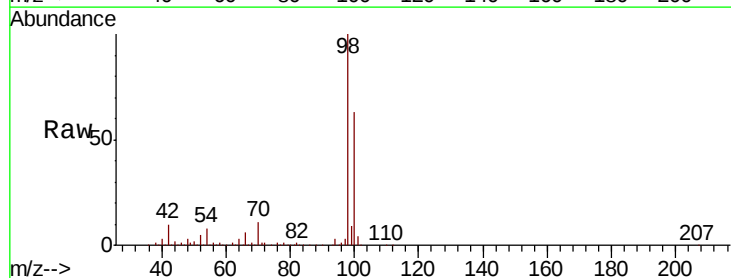


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#63
Toluene-d8
Concen: 29.79 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050766.D
Acq: 20 Aug 2018 11:44

Tgt Ion: 98 Resp: 698821
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

