

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051633.D
 Acq On : 1 Oct 2018 13:14
 Operator : MD\SY
 Sample : J5090-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:56 PM

Quant Time: Oct 02 01:32:17 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	91056	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	427821	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	359942	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	192266	30.33	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	101.10%		
60) 4-Bromofluorobenzene	12.40	95	110460	19.96	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	66.53%		
63) Toluene-d8	10.09	98	490283	28.87	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	96.23%		
Target Compounds						
8) Diethyl Ether	3.41	74	1558m	0.463	ug/l	Ovalue
18) Methylene Chloride	4.55	84	7388	1.169	ug/l	97

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

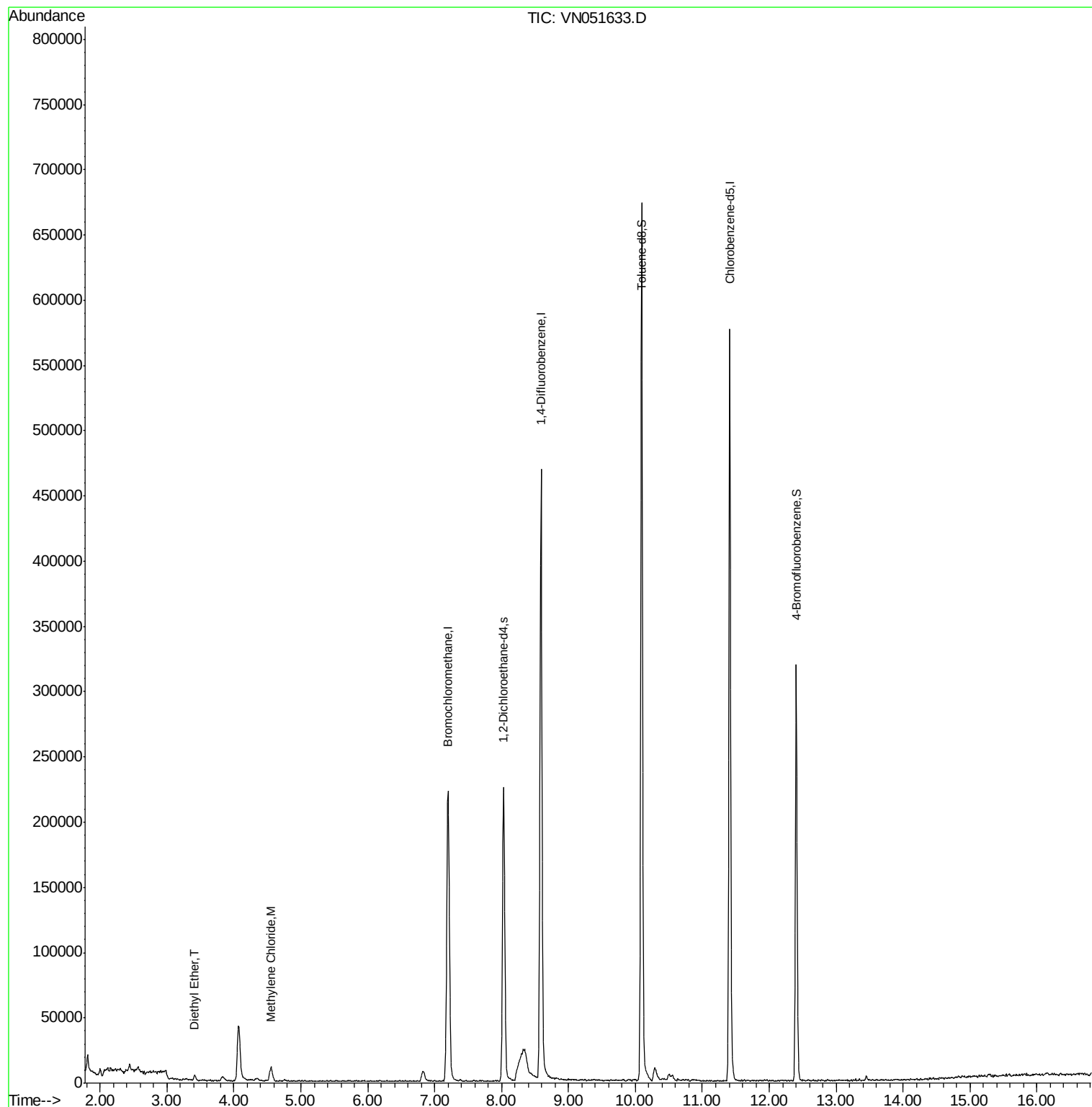
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
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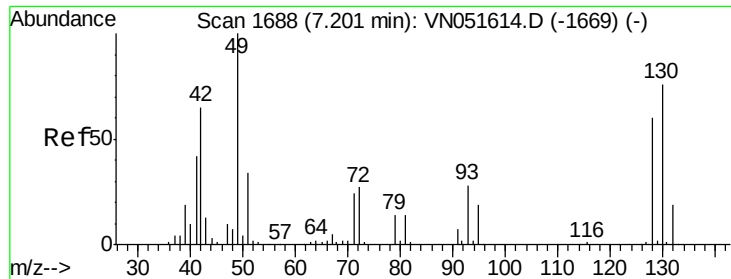
Instrument :
MSVOA_N
ClientSampleId :
MW-2

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QLast Update : Sat Sep 29 01:07:29 2018
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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: VN051633.D

Acq: 1 Oct 2018 13:14

Instrument :

MSVOA_N

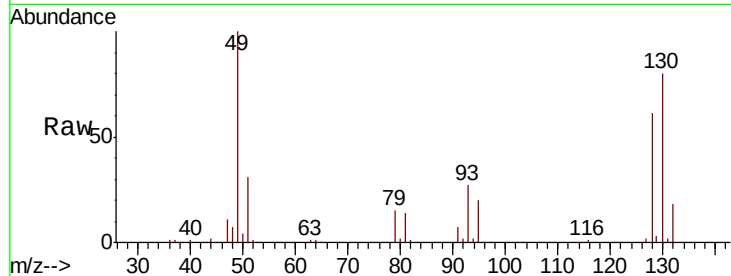
ClientSampled :

MW-2

Tot Ion:	128	Resp:	91056
Ion	Ratio	Lower	Upper
128	100		
49	167.2	0.0	426.8
130	128.0	0.0	326.3

Manual Integrations
APPROVED

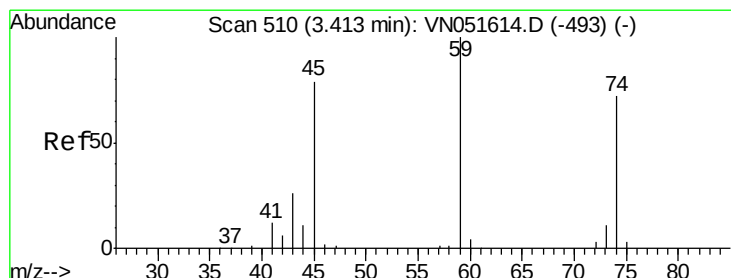
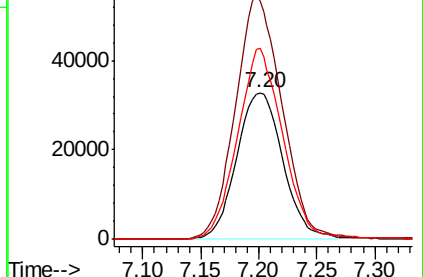
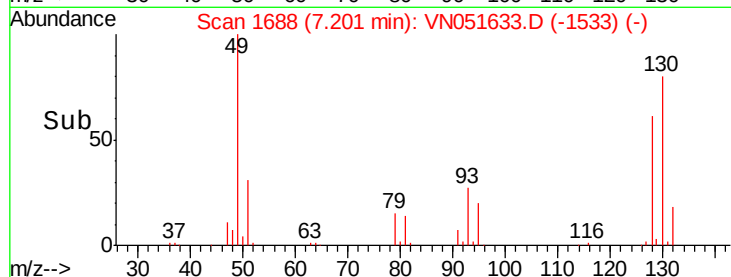
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#8

Diethyl Ether

Concen: 0.463 ug/l m

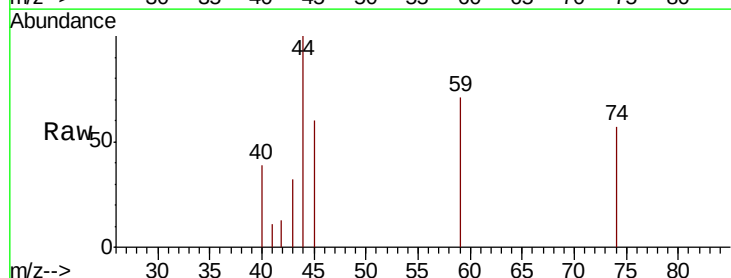
RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051633.D

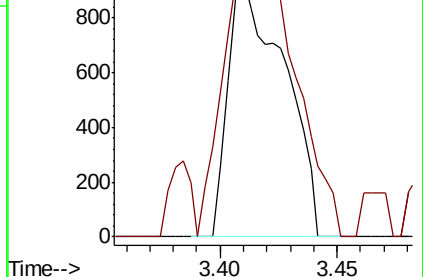
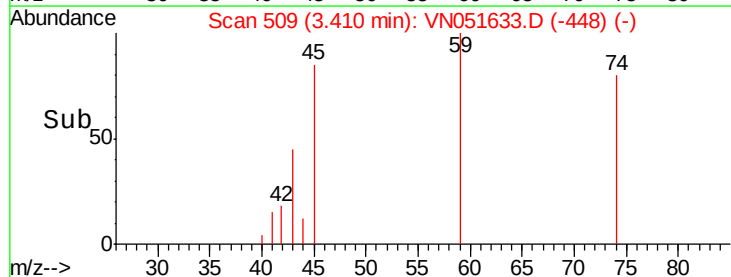
Acq: 1 Oct 2018 13:14

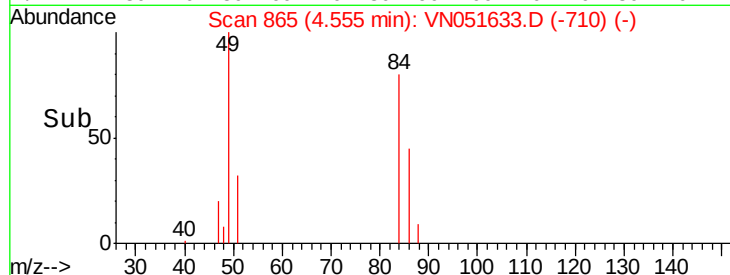
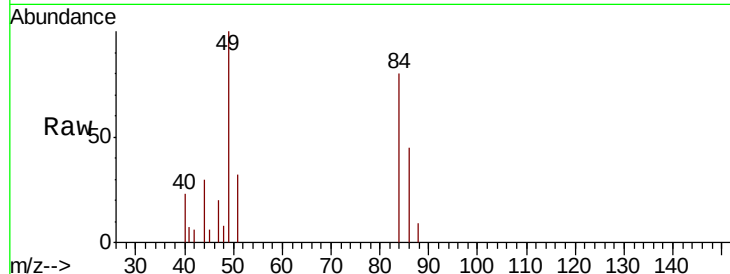
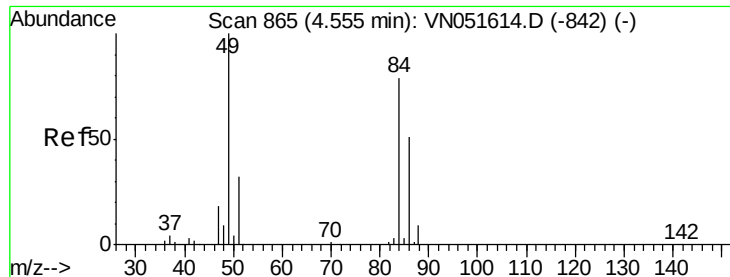
Tgt Ion:	74	Resp:	1558
Ion	Ratio	Lower	Upper
74	100		
45	58.4	21.3	191.5



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN





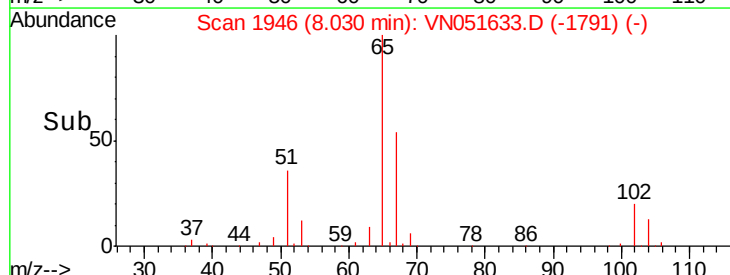
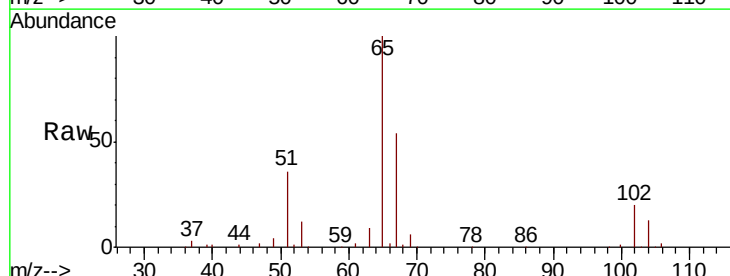
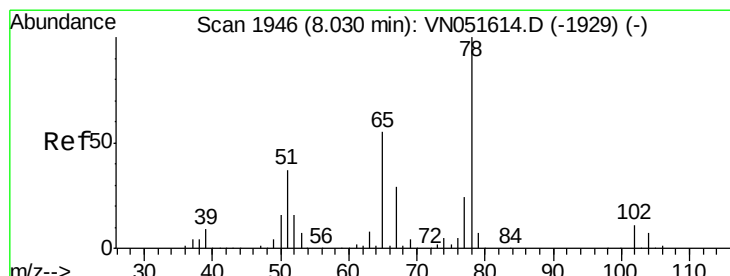
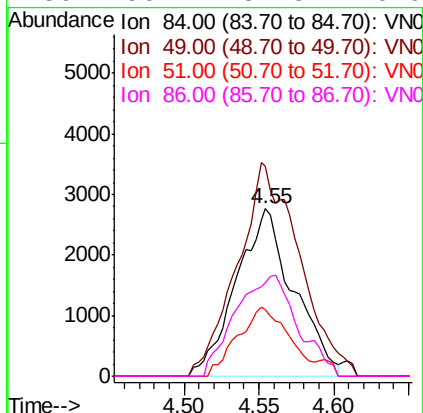
#18
Methvlene Chloride
Concen: 1.169 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051633.D
Acq: 1 Oct 2018 13:14

Tot Ion	Ratio	Lower	Upper
84	100		
49	125.4	100.9	151.3
51	40.1	32.5	48.7
86	56.2	51.3	76.9

Instrument :
MSVOA_N
ClientSampled :
MW-2

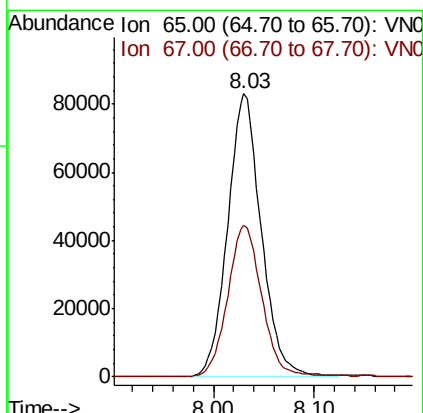
Manual Integrations
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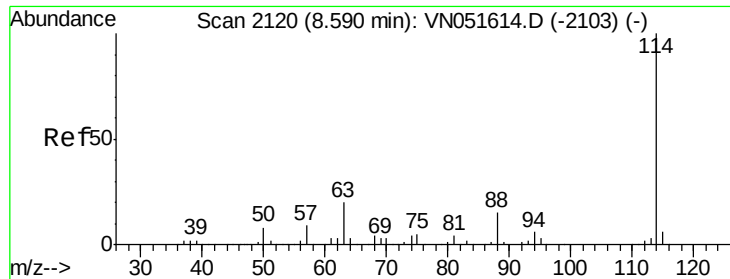
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#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN051633.D
Acq: 1 Oct 2018 13:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	43.1	64.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. -0.00 min

Lab File: VN051633.D

Acq: 1 Oct 2018 13:14

Instrument :

MSVOA_N

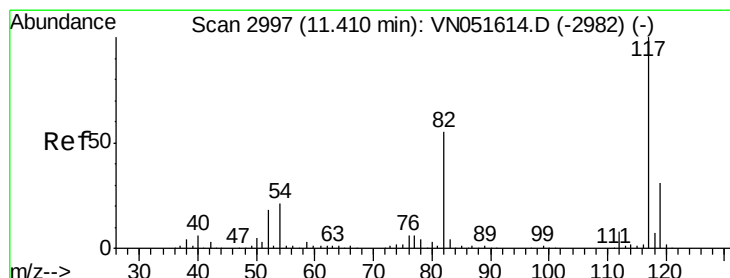
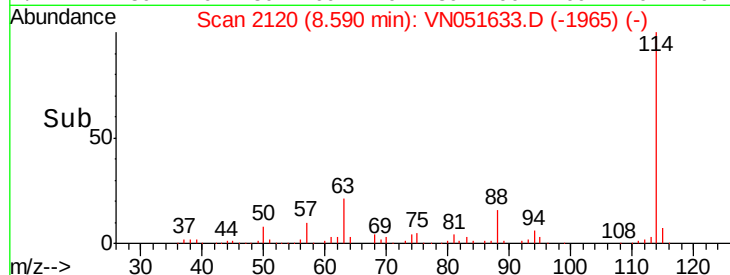
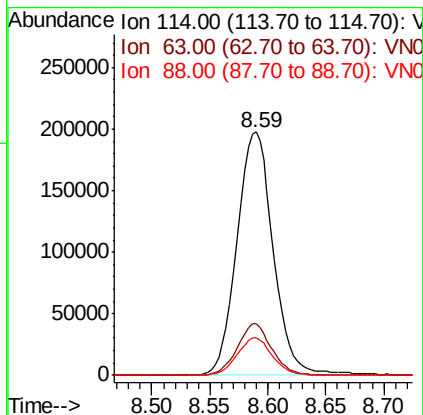
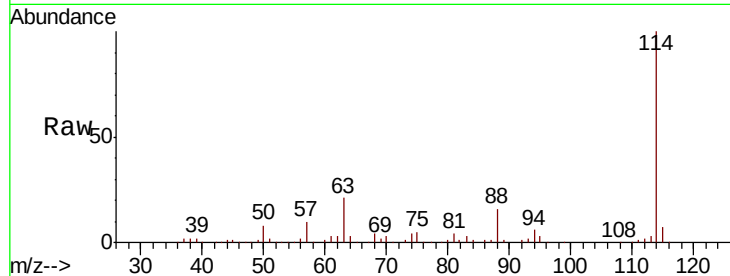
ClientSampled :

MW-2

Tot Ion:	114	Resp:	427821
Ion Ratio	Lower	Upper	
114	100		
63	20.3	16.4	24.6
88	15.2	12.6	18.8

Manual Integrations
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#57

Chlorobenzene-d5

Concen: 30.000 ug/l

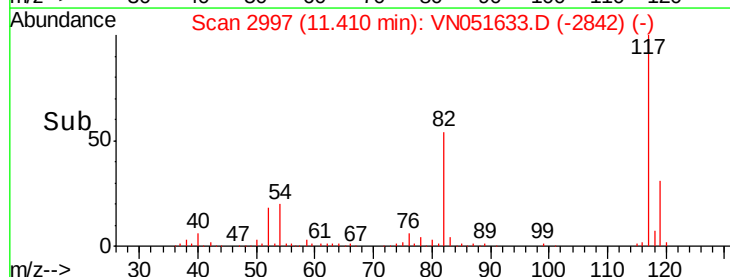
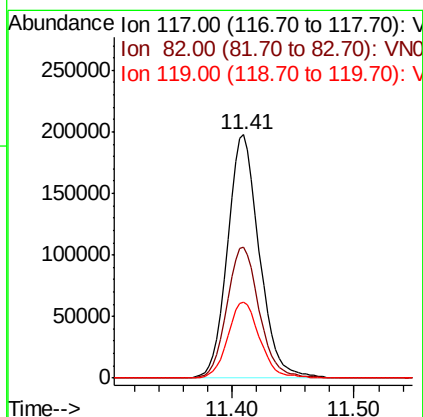
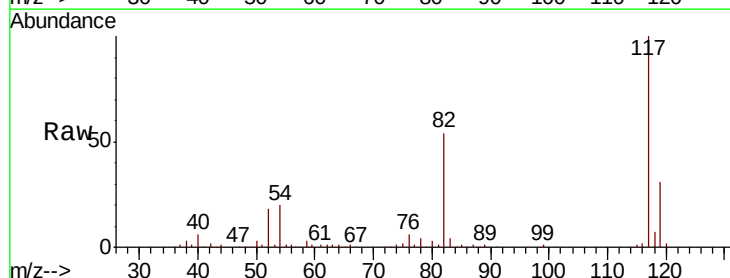
RT: 11.41 min Scan# 2997

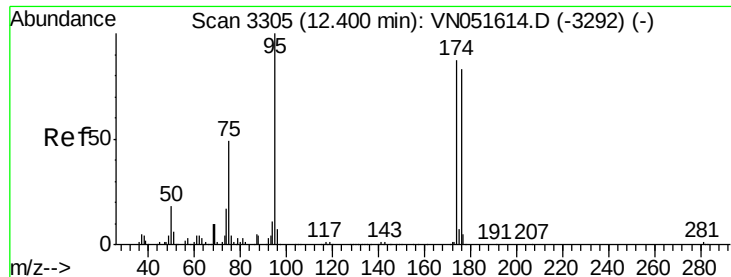
Delta R.T. -0.00 min

Lab File: VN051633.D

Acq: 1 Oct 2018 13:14

Tgt Ion:	117	Resp:	359942
Ion Ratio	Lower	Upper	
117	100		
82	54.9	44.2	66.2
119	31.4	25.2	37.8





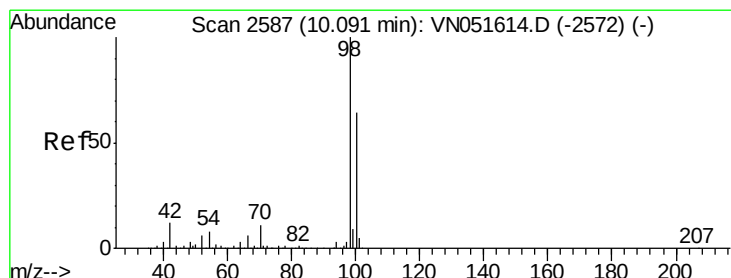
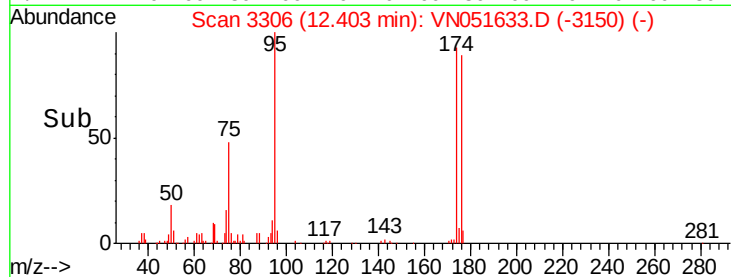
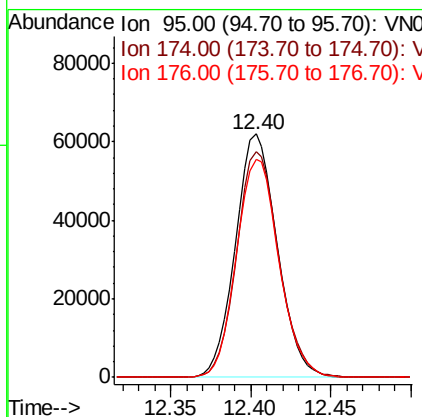
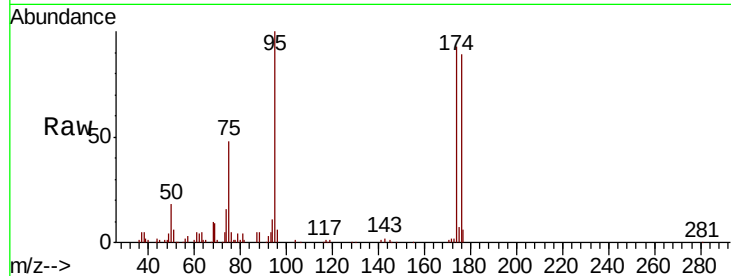
#60
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051633.D
 Acq: 1 Oct 2018 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
95	100		
174	93.1	71.2	106.8
176	91.0	67.8	101.8

Manual Integrations
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#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051633.D
 Acq: 1 Oct 2018 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.4	77.0

