

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051623.D
 Acq On : 28 Sep 2018 18:47
 Operator : MD\SY
 Sample : J5142-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Manual Integrations
 APPROVED

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 10/3/2018 5:27:46 PM

Quant Time: Oct 01 11:25:27 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	7.19	128	74520m	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	365139	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	300062	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	150901	29.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.93%
60) 4-Bromofluorobenzene	12.40	95	98024	21.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	70.80%
63) Toluene-d8	10.09	98	404288	28.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.20%

Target Compounds	Ovalue

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

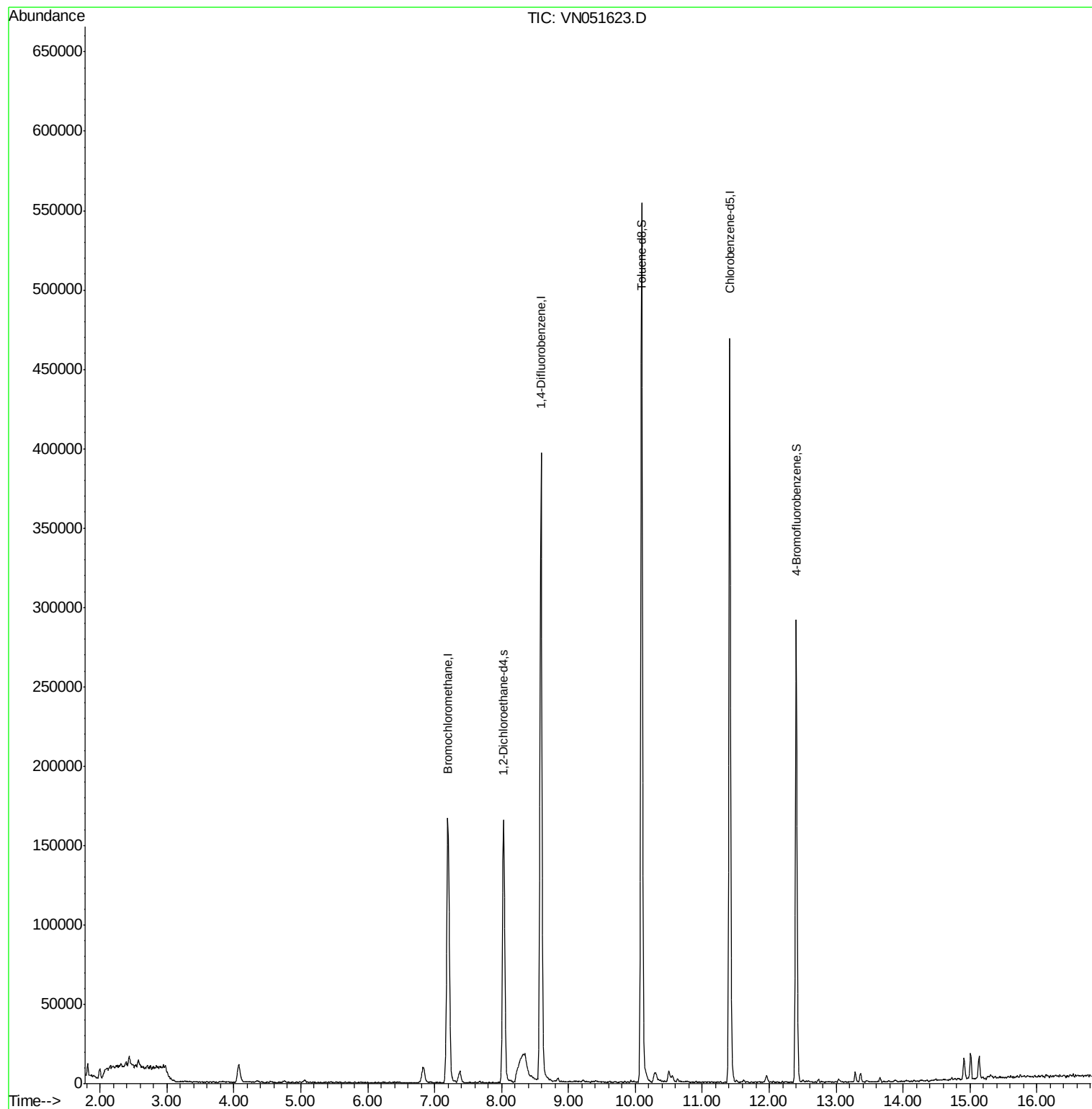
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Data File : VN051623.D
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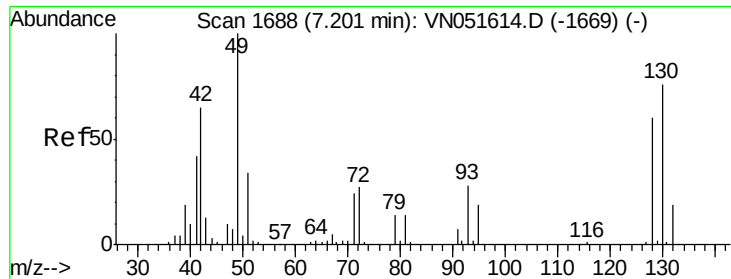
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Manual Integrations
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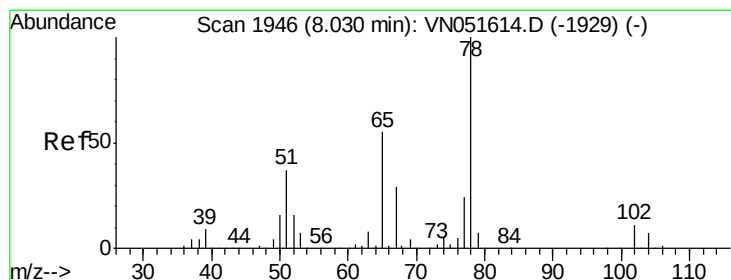
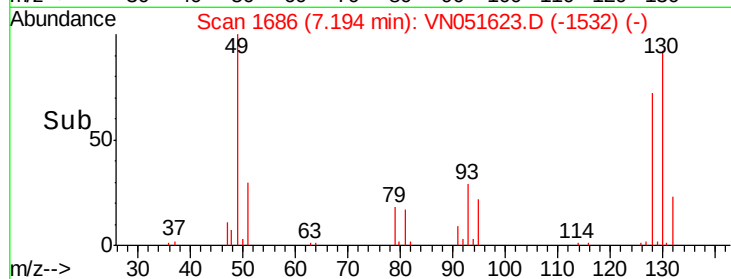
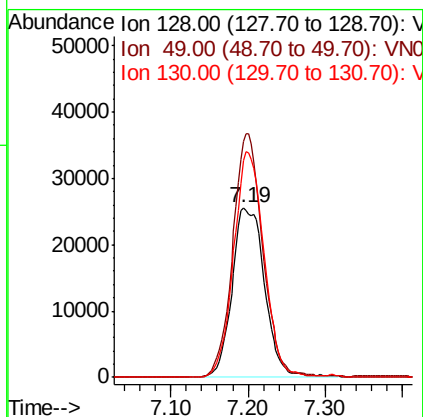
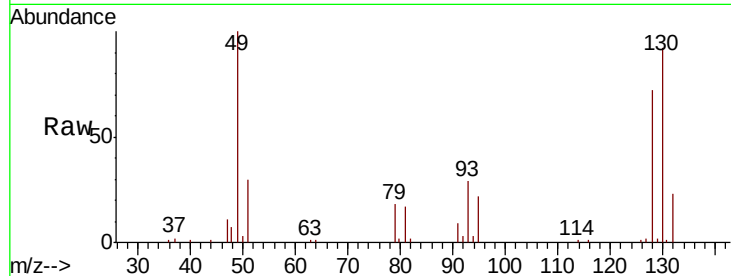
#1
 Bromochloromethane
 Concen: 30.000 ug/l m
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: VN051623.D
 Acq: 28 Sep 2018 18:47

Instrument :
 MSVOA_N
 ClientSampled :
 SPDES-1

Tot Ion	Ratio	Lower	Upper
128	100		
49	131.2	0.0	426.8
130	122.8	0.0	326.3

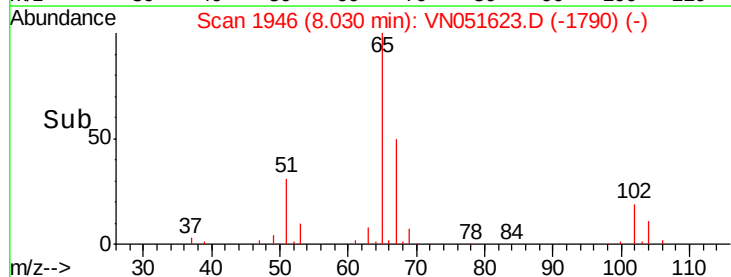
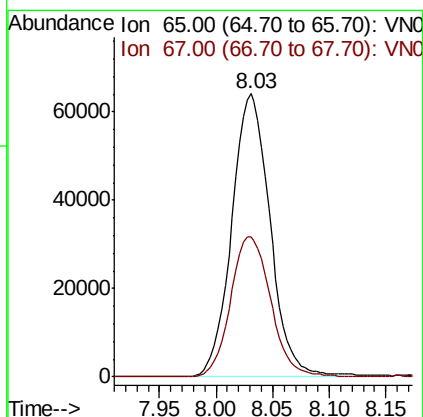
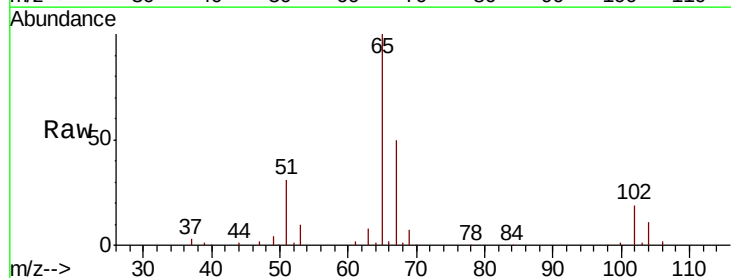
Manual Integrations
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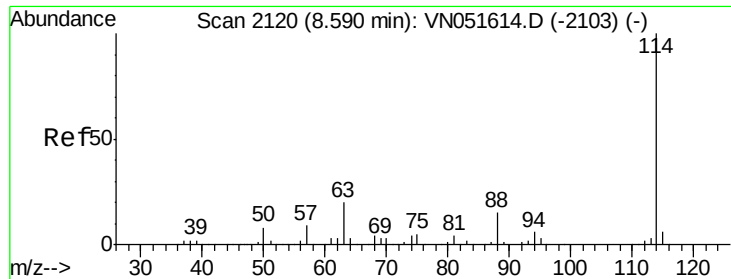
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#27
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051623.D
 Acq: 28 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	43.1	64.7





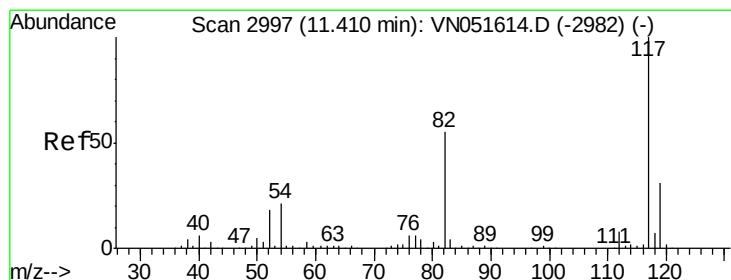
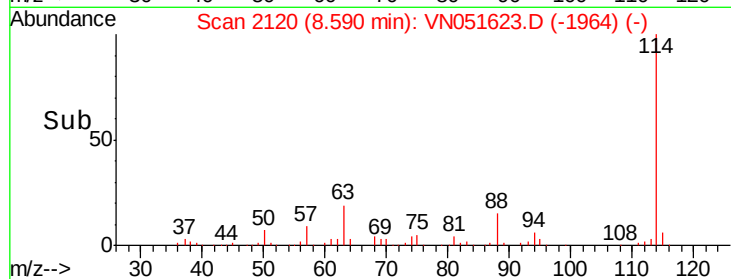
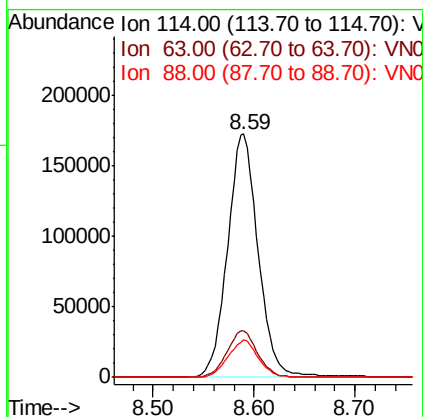
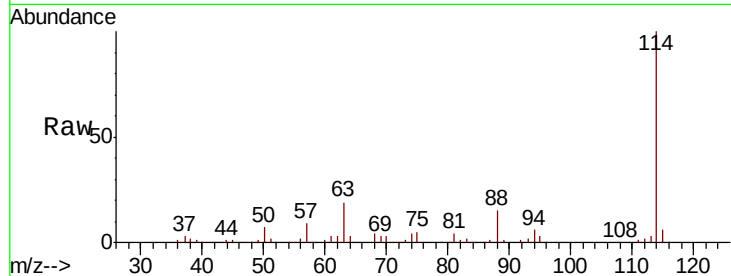
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051623.D
 Acq: 28 Sep 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	365139		
63	19.1		16.4	24.6
88	15.3		12.6	18.8

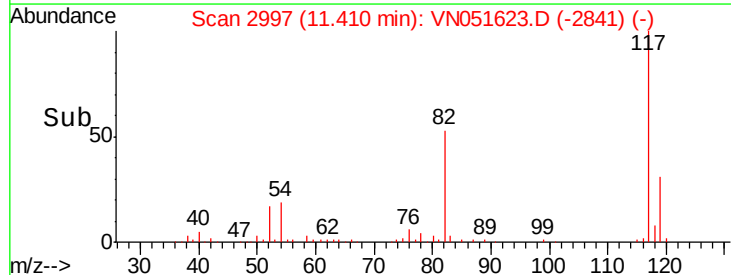
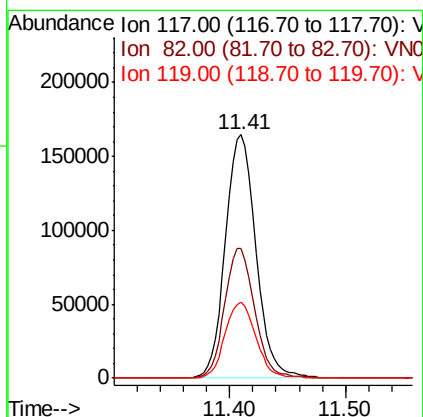
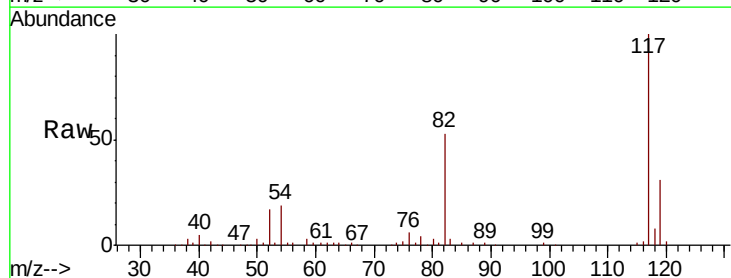
Manual Integrations
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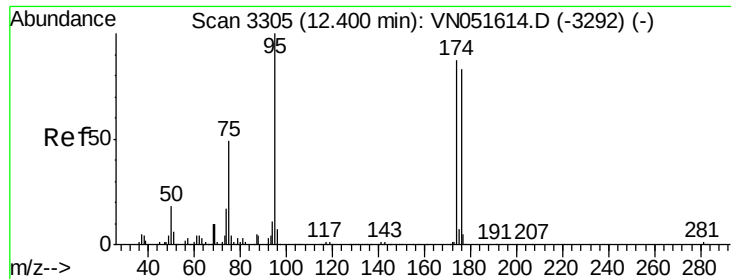
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#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051623.D
 Acq: 28 Sep 2018 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	300062		
82	52.4		44.2	66.2
119	31.6		25.2	37.8





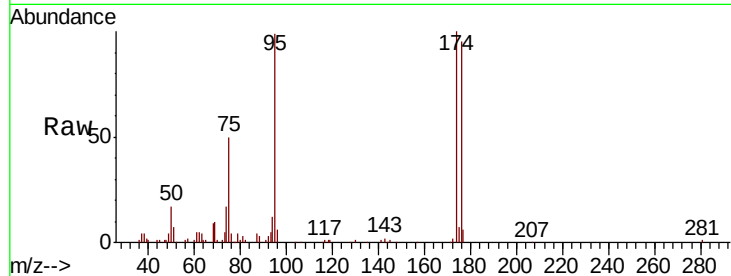
#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051623.D
 Acq: 28 Sep 2018 18:47

Instrument :
 MSVOA_N
 ClientSampled :
 SPDES-1

Tot Ion	95	Resp	98024
Ion Ratio	Lower	Upper	
95	100		
174	100.6	71.2	106.8
176	96.0	67.8	101.8

Manual Integrations
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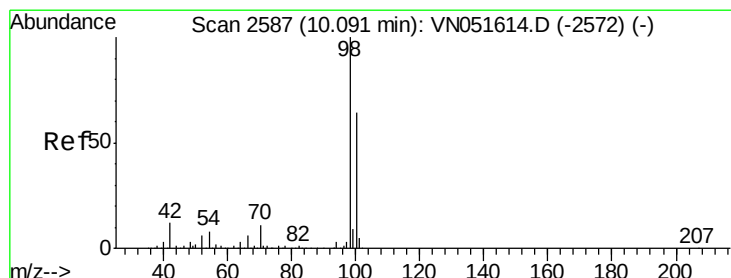
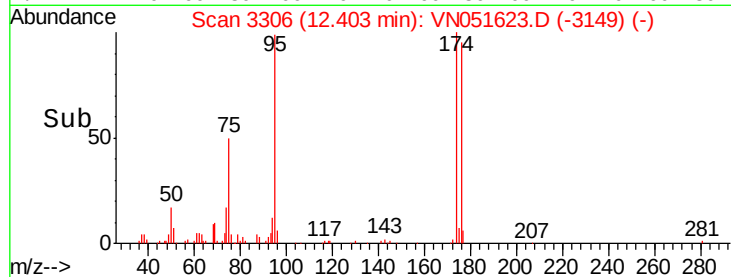
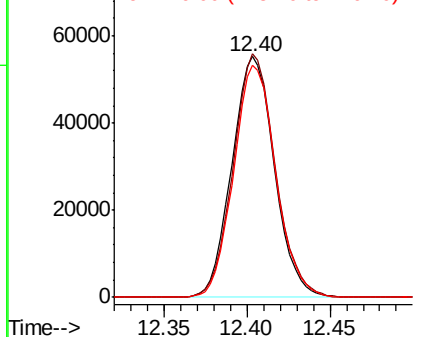
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Abundance Ion 95.00 (94.70 to 95.70): VN051614.D (-3292) (-)

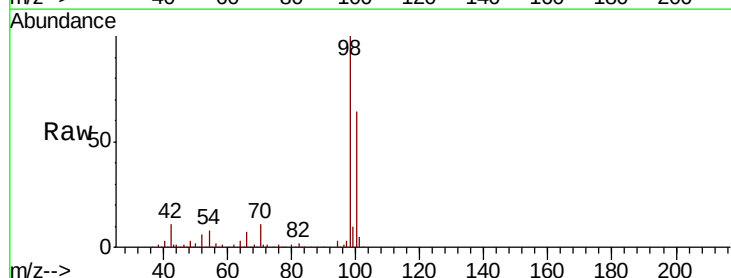
Ion 174.00 (173.70 to 174.70): VN051614.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN051614.D (-3292) (-)



#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051623.D
 Acq: 28 Sep 2018 18:47

Tgt Ion	98	Resp	404288
Ion Ratio	Lower	Upper	
98	100		
100	63.1	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VN051614.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-2572) (-)

