

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072718\
 Data File : VN050169.D
 Acq On : 28 Jul 2018 8:21
 Operator : MD\SY
 Sample : J4199-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

Manual Integrations
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MMDadoda
 7/30/2018 1:37:22 PM

Quant Time: Aug 02 02:11:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	663362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1078501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	912553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	461698	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	413171	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
50) Toluene-d8	10.09	98	1466117	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	12.40	95	440651	41.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	8559	12.568	ug/l #	72
16) Acetone	3.82	43	30299	9.724	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	442206	21.703	ug/l	98
39) Methylcyclohexane	9.08	83	17024	1.362	ug/l	95
40) Benzene	8.05	78	84190	2.277	ug/l	99
67) Ethyl Benzene	11.51	91	468204	12.645	ug/l	99
68) m/p-Xylenes	11.62	106	67231	4.800	ug/l	94
69) o-Xylene	11.95	106	17967	1.346	ug/l	88
73) Isopropylbenzene	12.25	105	123980	4.310	ug/l	99
78) n-propylbenzene	12.59	91	131409	4.087	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	195799	8.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	725795	31.821	ug/l	100
85) sec-Butylbenzene	13.17	105	39833	1.510	ug/l	85
86) p-Isopropyltoluene	13.29	119	16541	0.744	ug/l	99
95) Naphthalene	15.14	128	21610	5.578	ug/l	98

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

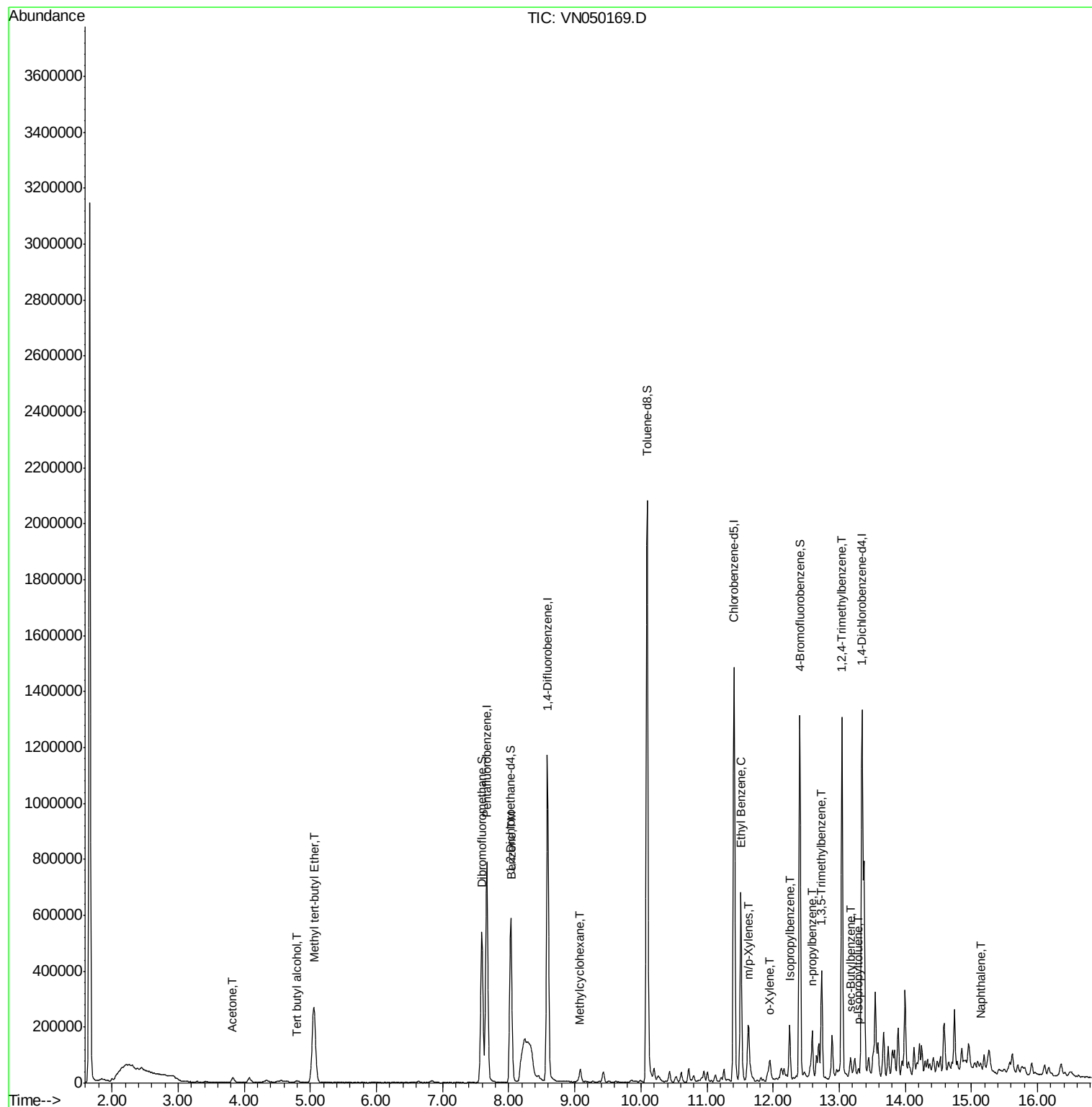
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072718\
Data File : VN050169.D
Acq On : 28 Jul 2018 8:21
Operator : MD\SY
Sample : J4199-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 49 Sample Multiplier: 1

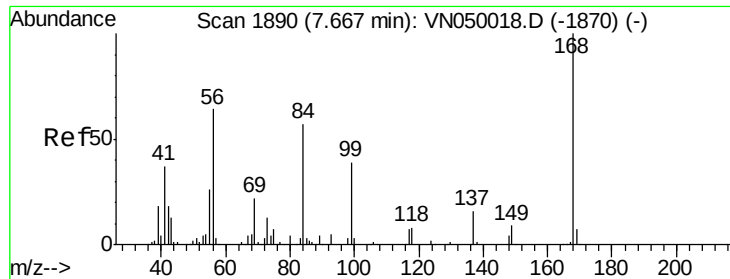
Instrument :
MSVOA_N
ClientSampleId :
MW-24

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Quant Time: Aug 02 02:11:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

Instrument :

MSVOA_N

ClientSampleId :

MW-24

Tgt Ion:168 Resp: 663362

Ion Ratio Lower Upper

168 100

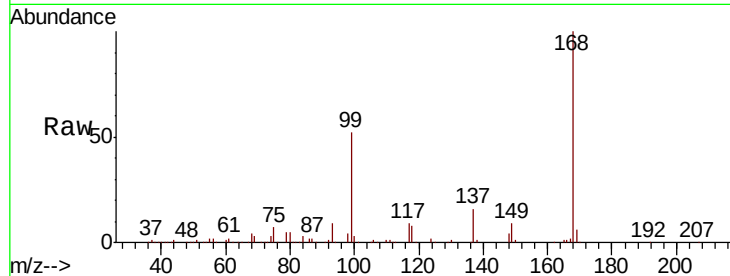
99 51.6 40.0 60.0

Manual Integrations

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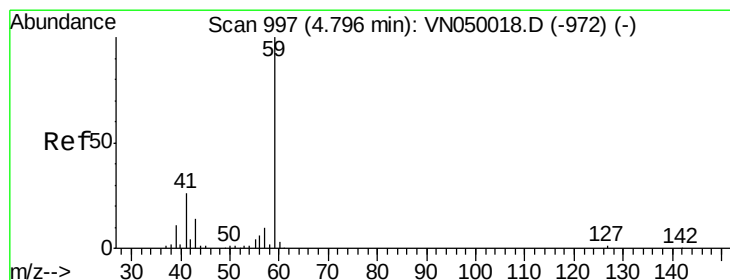
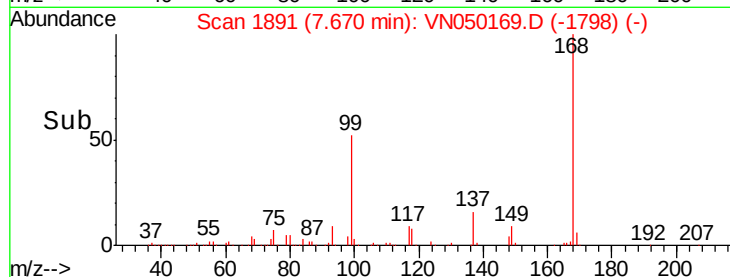
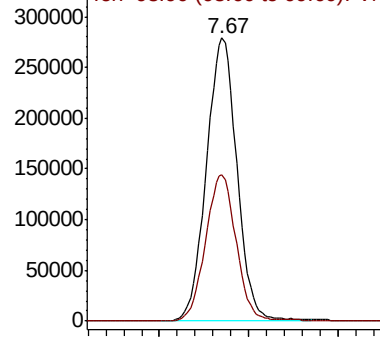
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 12.568 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN050169.D

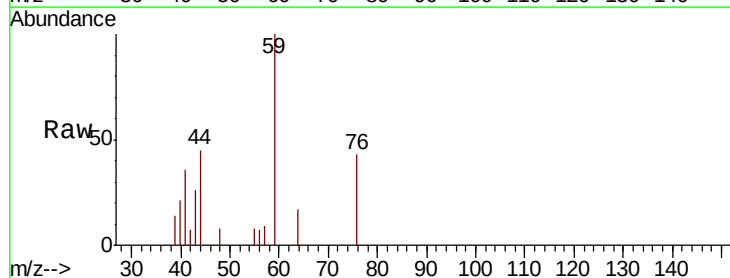
Acq: 28 Jul 2018 8:21

Tgt Ion: 59 Resp: 8559

Ion Ratio Lower Upper

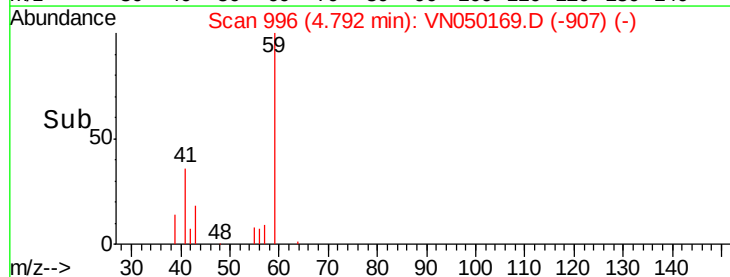
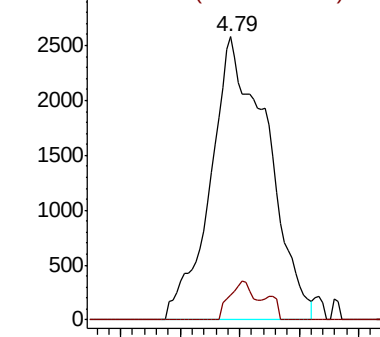
59 100

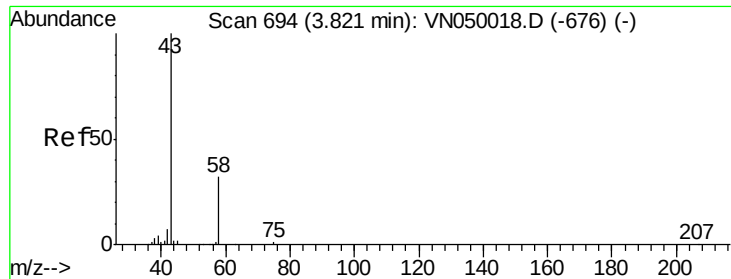
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





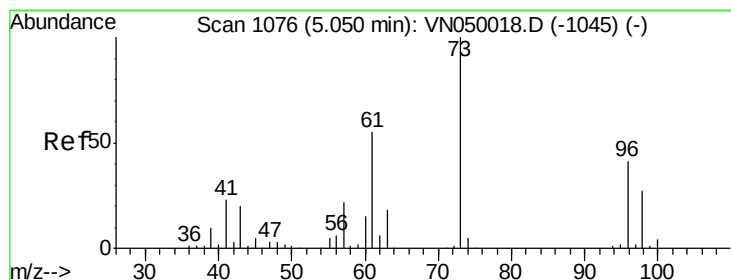
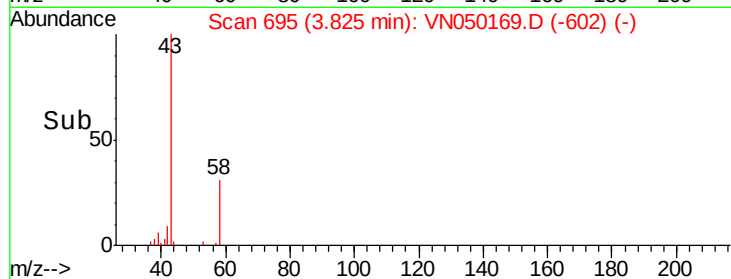
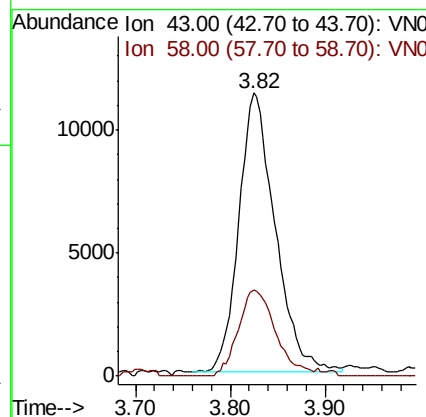
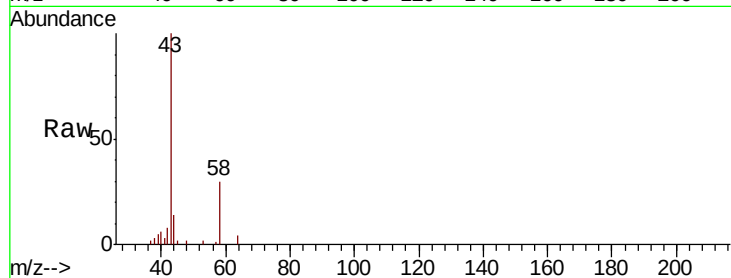
#16
Acetone
Concen: 9.724 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Instrument :
MSVOA_N
ClientSampled :
MW-24

Tgt Ion: 43 Resp: 30299
Ion Ratio Lower Upper
43 100
58 30.9 25.8 38.8

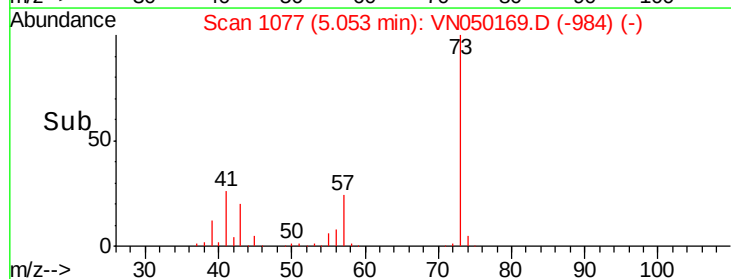
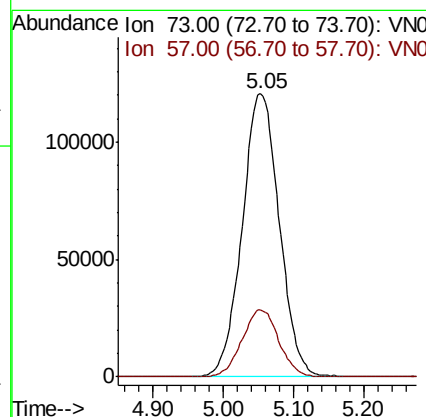
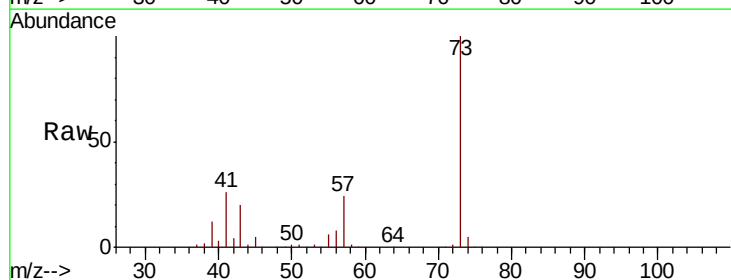
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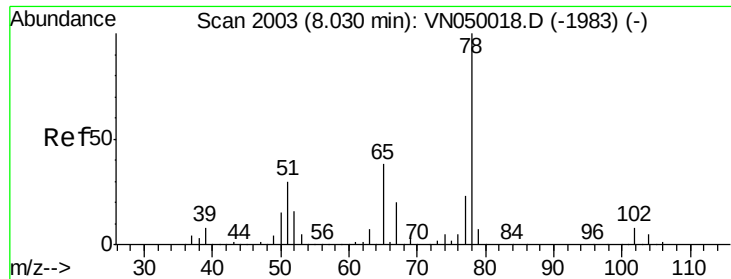
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#19
Methyl tert-butyl Ether
Concen: 21.703 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Tgt Ion: 73 Resp: 442206
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0





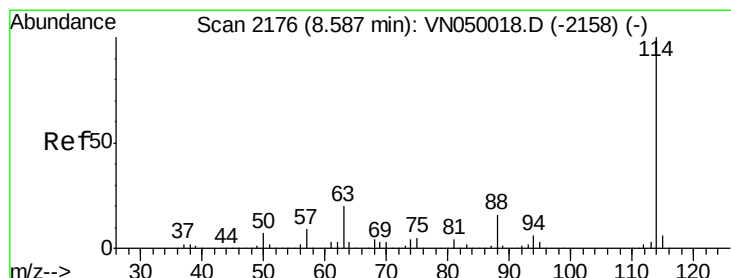
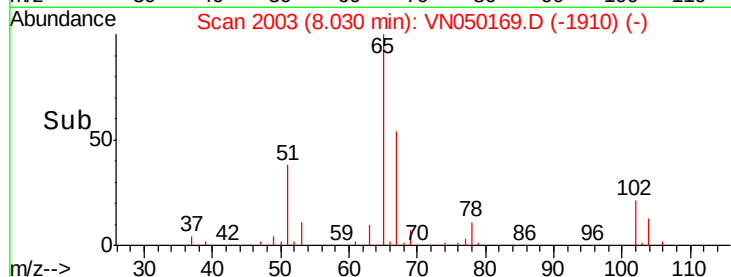
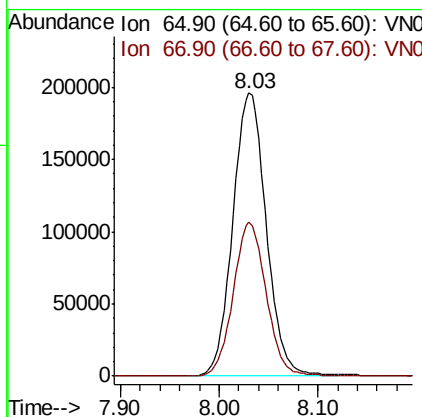
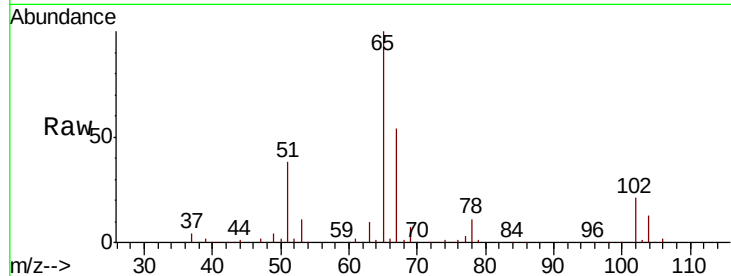
#33
 1,2-Dichloroethane-d4
 Concen: 49.884 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050169.D
 Acq: 28 Jul 2018 8:21

Instrument :
 MSVOA_N
 ClientSampled :
 MW-24

Tgt Ion: 65 Resp: 461698
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4

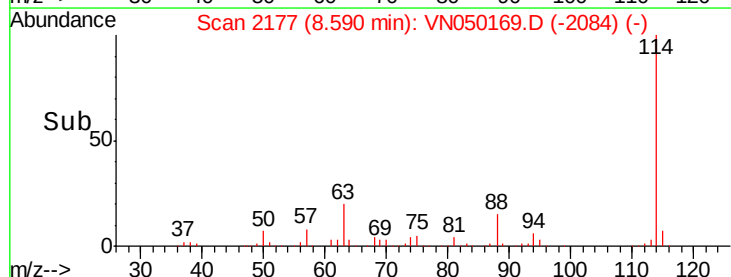
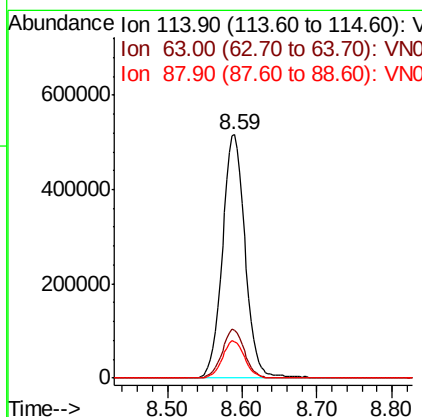
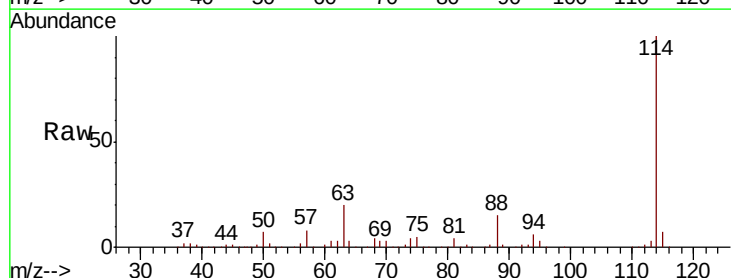
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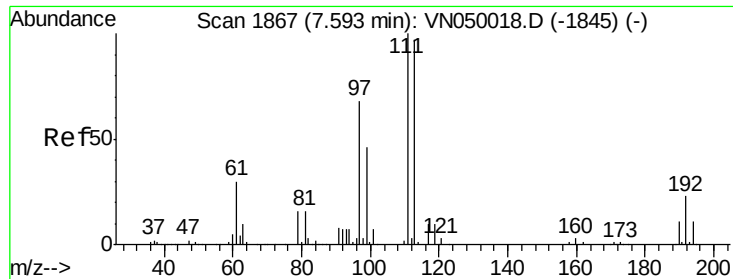
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050169.D
 Acq: 28 Jul 2018 8:21

Tgt Ion: 114 Resp: 1078501
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.1 0.0 31.2





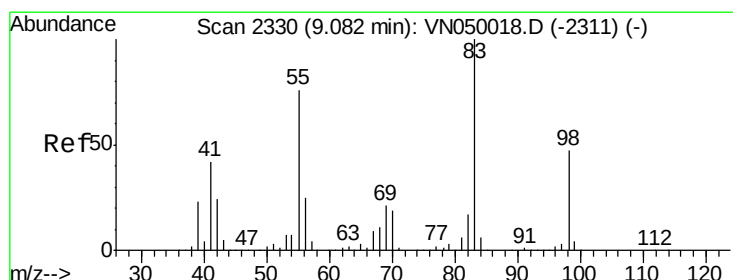
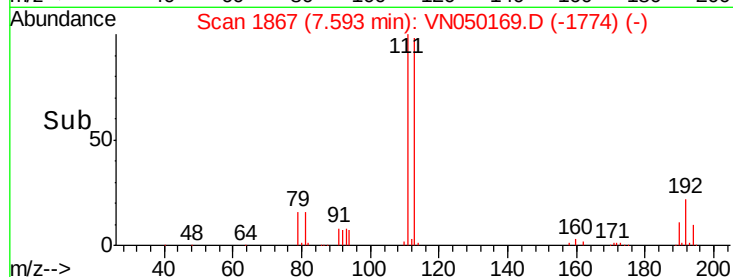
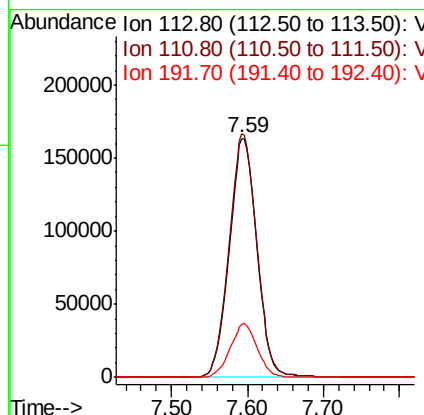
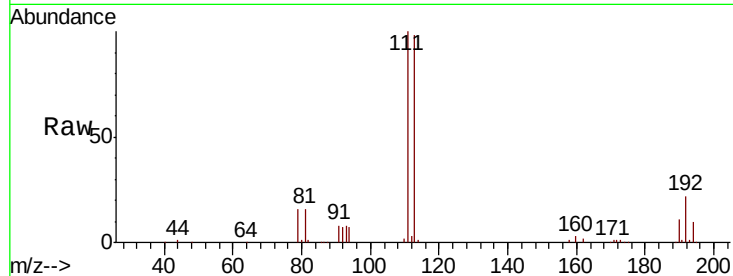
#35
Dibromofluoromethane
Concen: 46.921 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Instrument :
MSVOA_N
ClientSampled :
MW-24

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	413171		
111	101.5	80.7	121.1	
192	22.0	17.8	26.6	

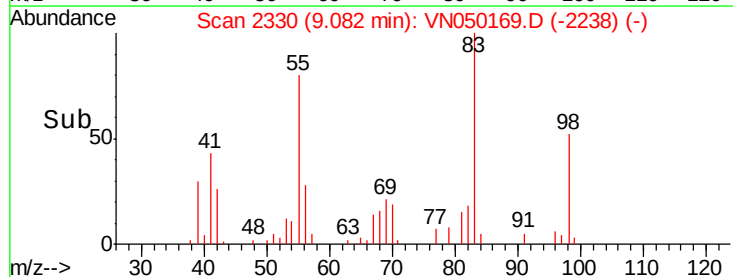
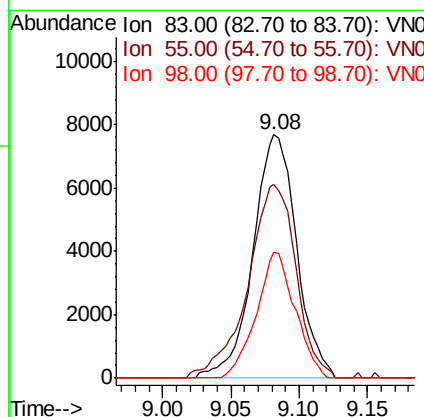
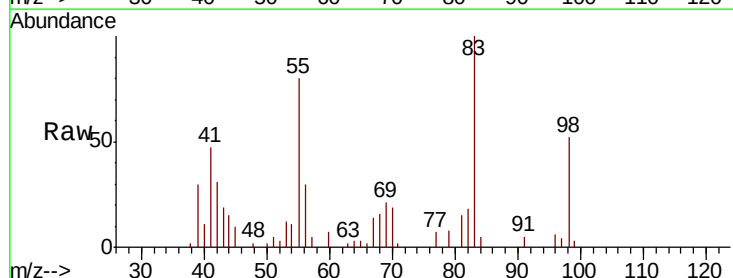
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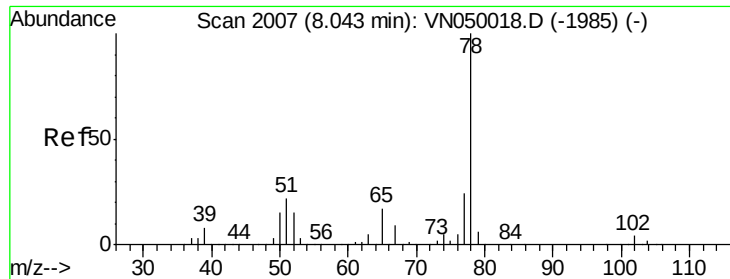
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#39
Methylcyclohexane
Concen: 1.362 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	17024		
55	79.7	61.8	92.8	
98	51.7	36.5	54.7	





#40

Benzene

Concen: 2.277 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

Instrument :

MSVOA_N

ClientSampled :

MW-24

Tgt Ion: 78 Resp: 84190

Ion Ratio Lower Upper

78 100

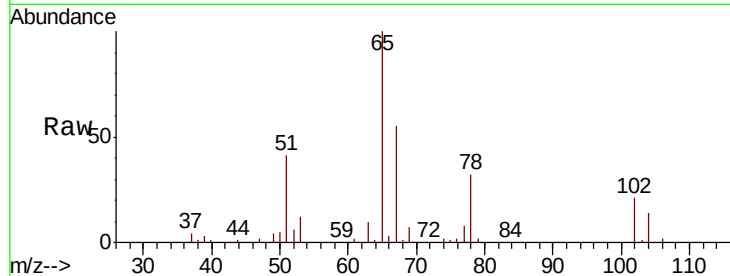
77 23.7 18.7 28.1

Manual Integrations

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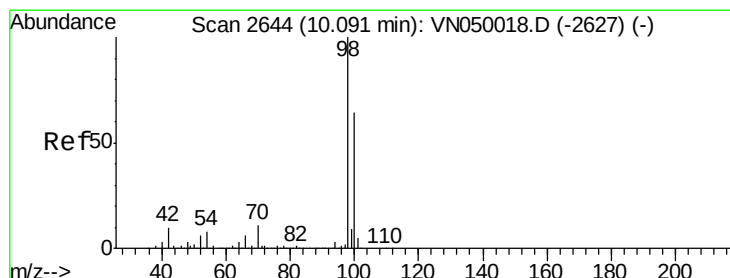
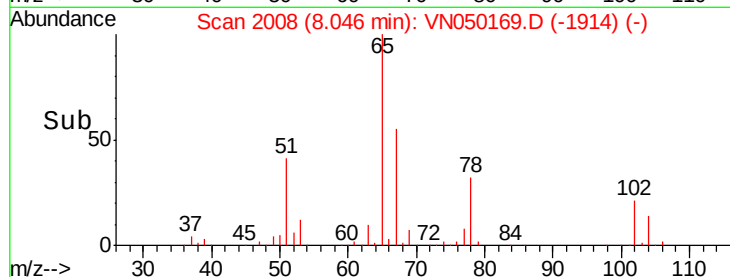
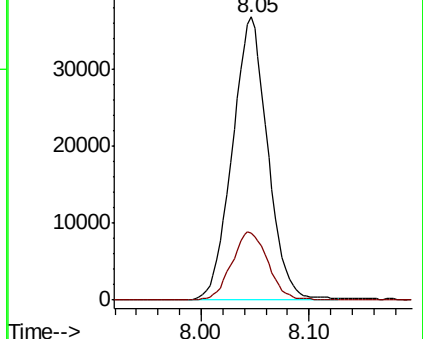
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 45.288 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050169.D

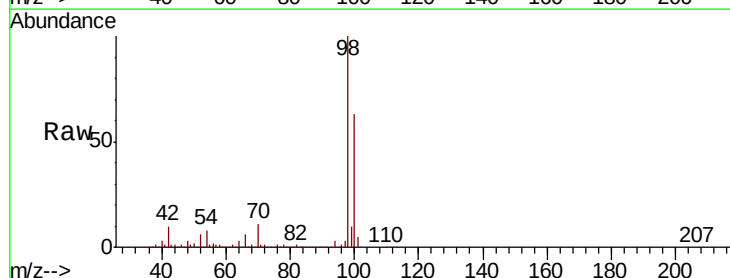
Acq: 28 Jul 2018 8:21

Tgt Ion: 98 Resp: 1466117

Ion Ratio Lower Upper

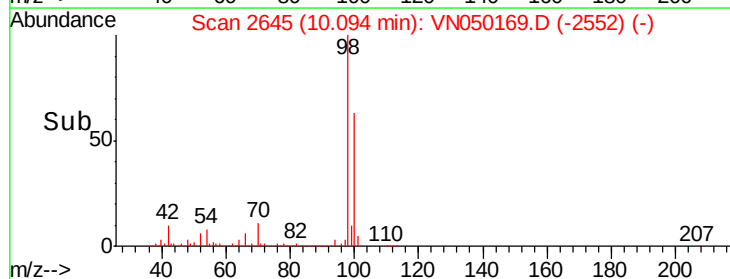
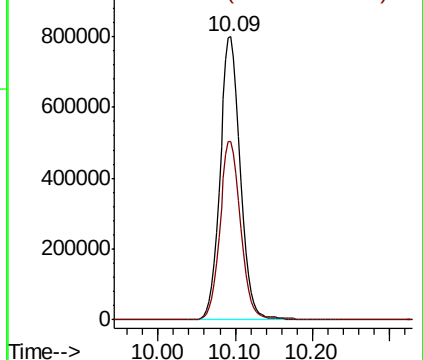
98 100

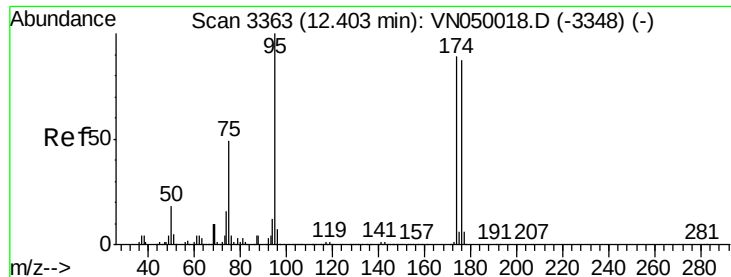
100 64.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 41.338 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

Instrument :

MSVOA_N

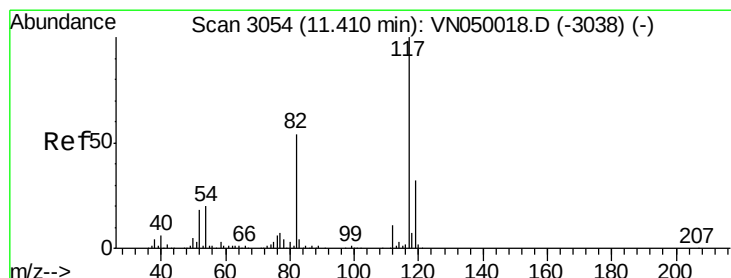
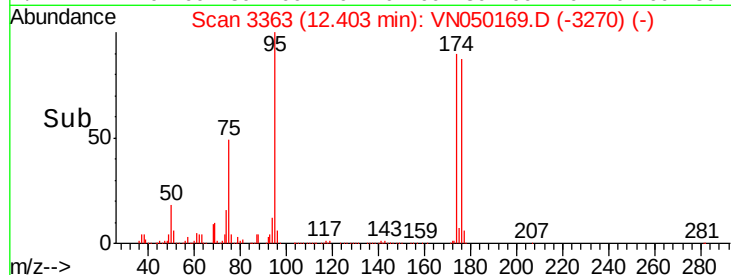
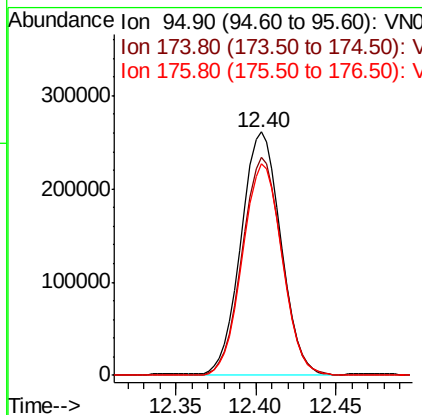
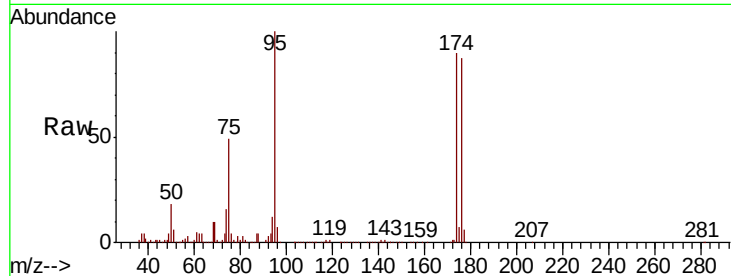
ClientSampleId :

MW-24

Tgt Ion:	95	Resp:	440651
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	178.2
176	87.1	0.0	173.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

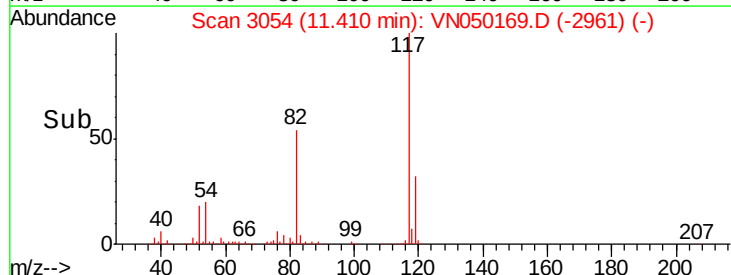
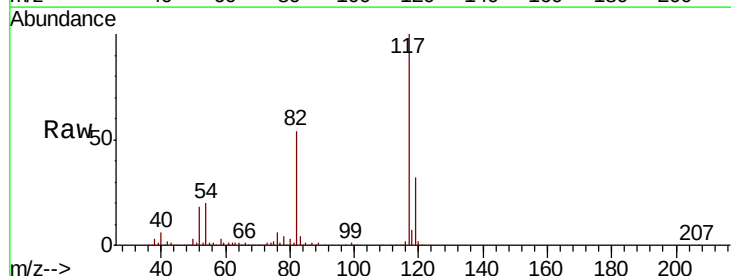
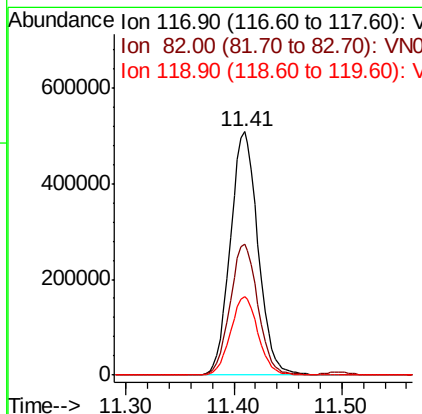
RT: 11.41 min Scan# 3054

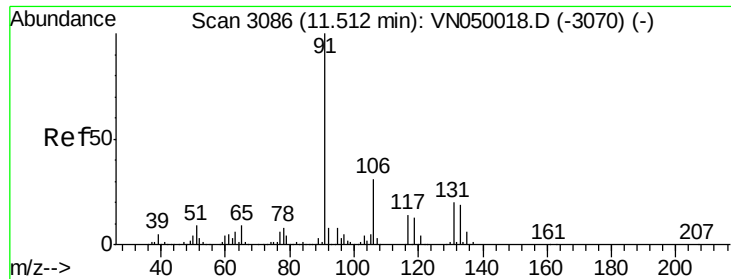
Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

Tgt Ion:	117	Resp:	912553
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.7	65.5
119	32.1	26.1	39.1





#67

Ethyl Benzene

Concen: 12.645 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

Instrument :

MSVOA_N

ClientSampled :

MW-24

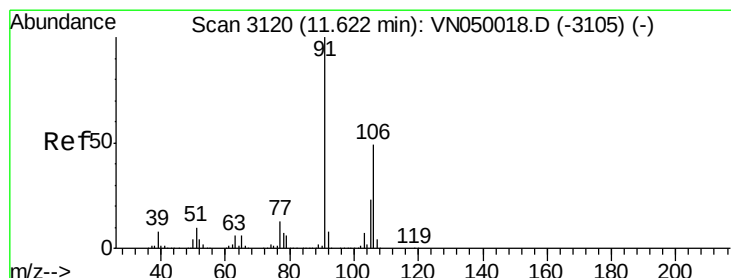
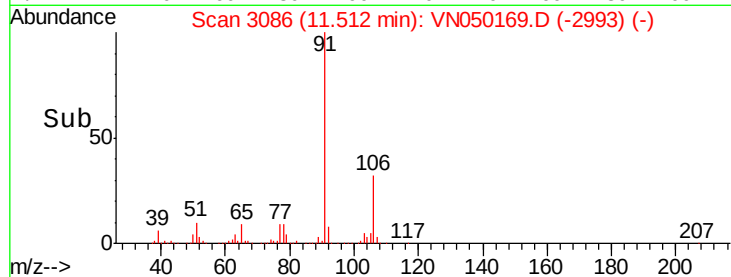
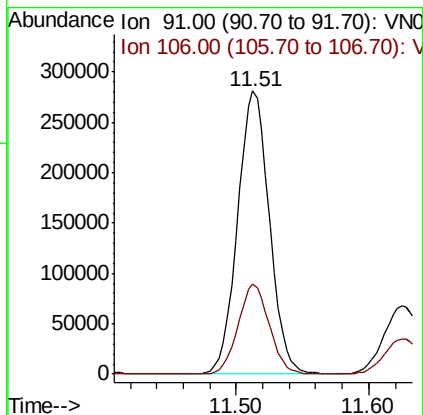
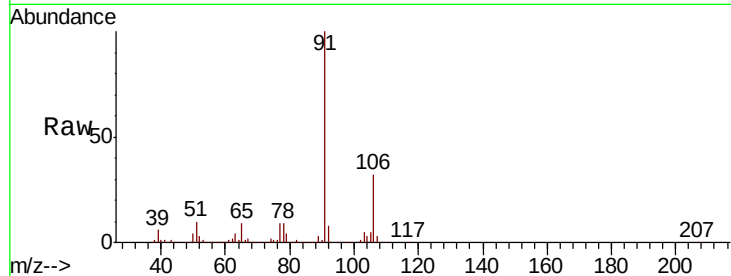
Tgt Ion: 91 Resp: 468204
Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4

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#68

m/p-Xylenes

Concen: 4.800 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

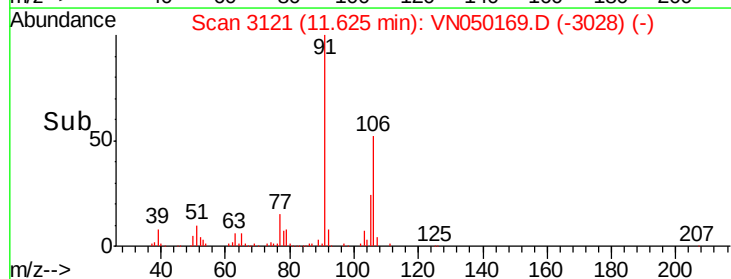
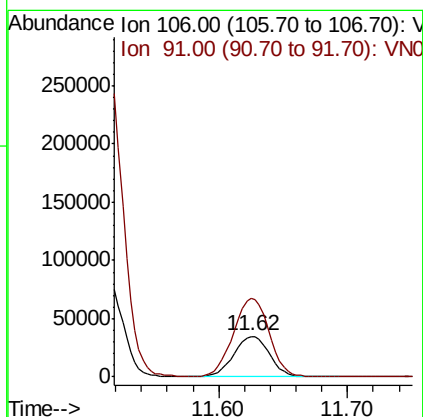
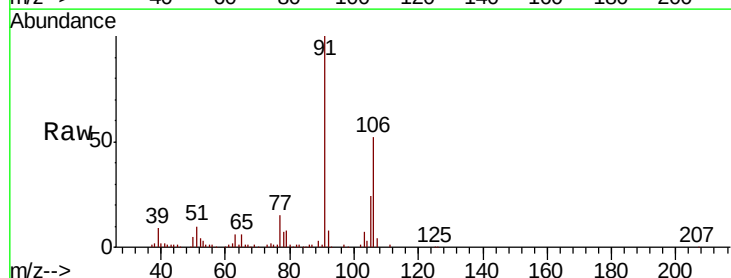
Lab File: VN050169.D

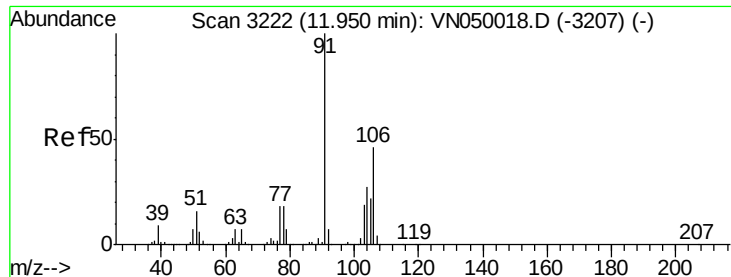
Acq: 28 Jul 2018 8:21

Tgt Ion: 106 Resp: 67231
Ion Ratio Lower Upper

106 100

91 194.1 162.2 243.2





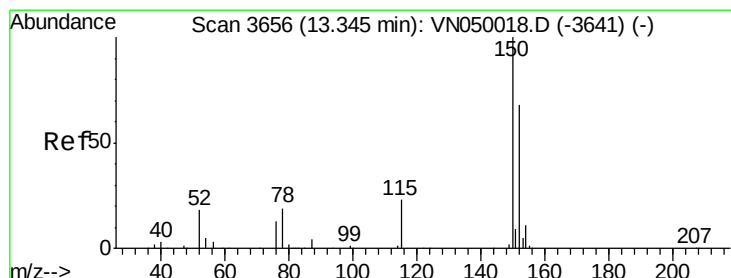
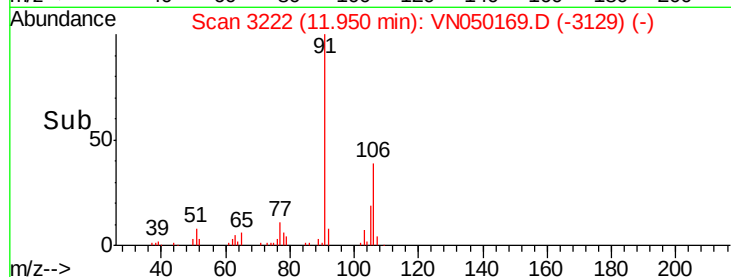
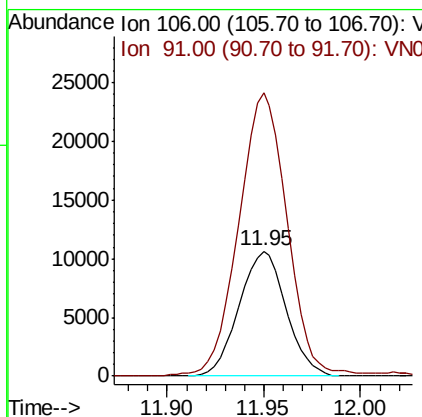
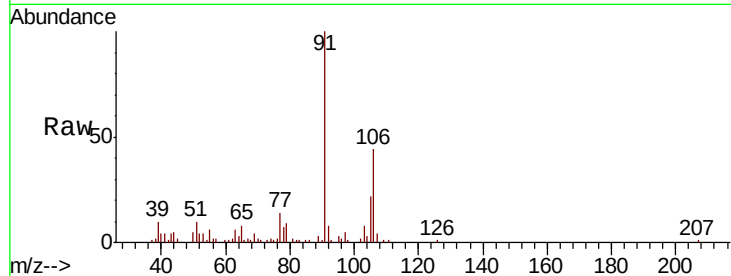
#69
o-Xylene
Concen: 1.346 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Instrument :
MSVOA_N
ClientSampled :
MW-24

Tgt Ion:106 Resp: 17967
Ion Ratio Lower Upper
106 100
91 233.7 107.7 323.1

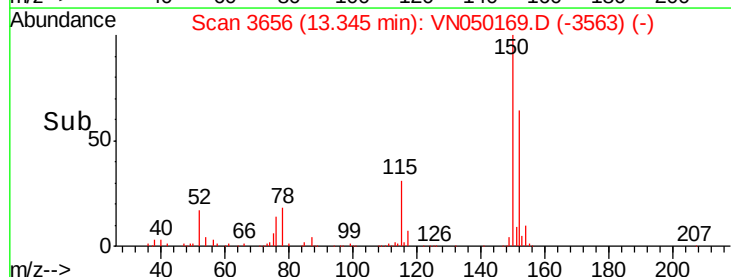
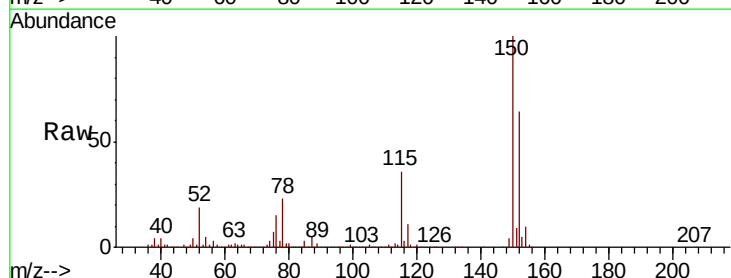
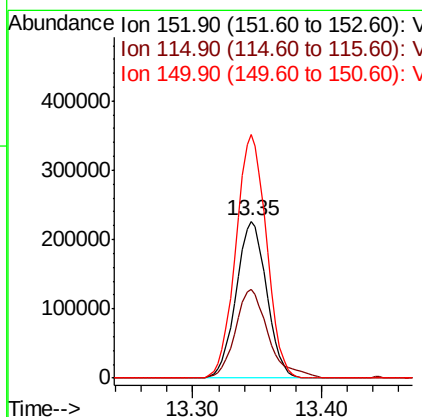
Manual Integrations
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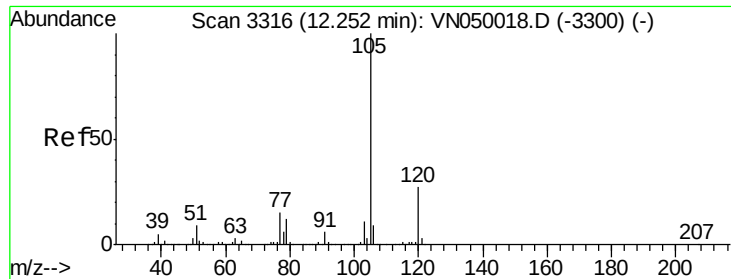
MMDadoda
7/30/2018 1:37:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Tgt Ion:152 Resp: 370939
Ion Ratio Lower Upper
152 100
115 61.0 27.8 83.3
150 155.8 0.0 348.6





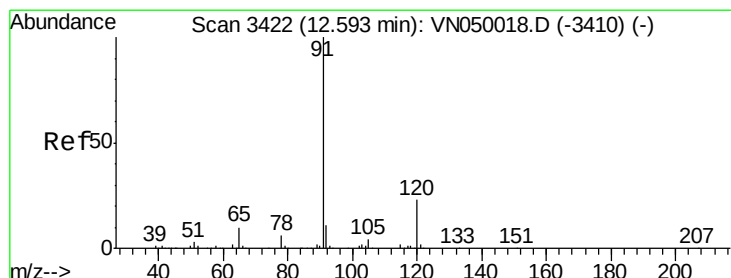
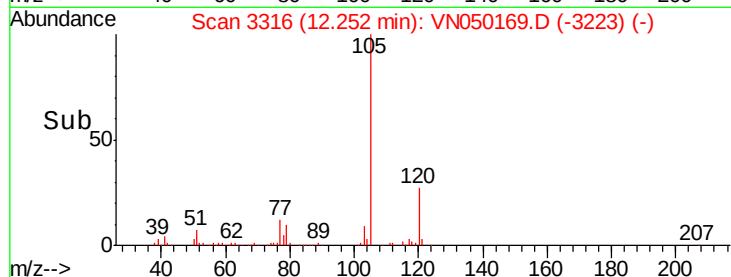
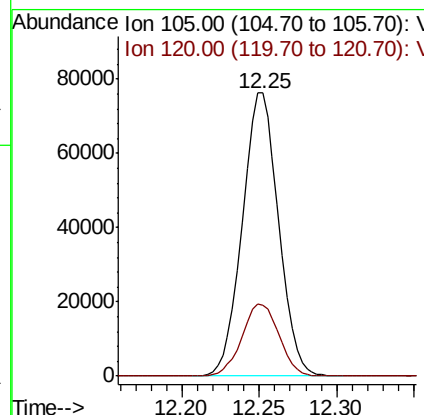
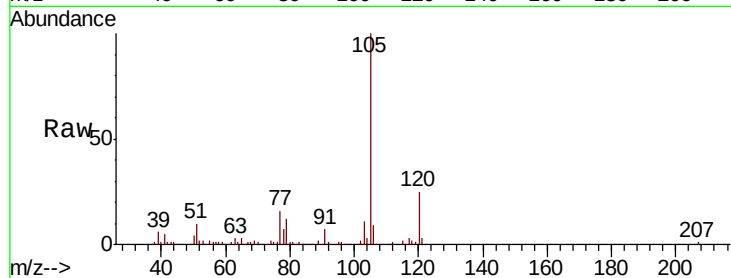
#73
Isopropylbenzene
Concen: 4.310 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Instrument :
MSVOA_N
ClientSampled :
MW-24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

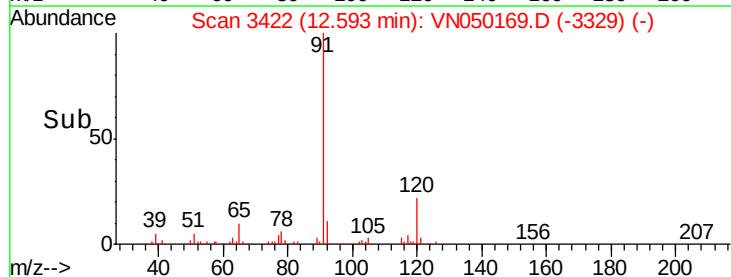
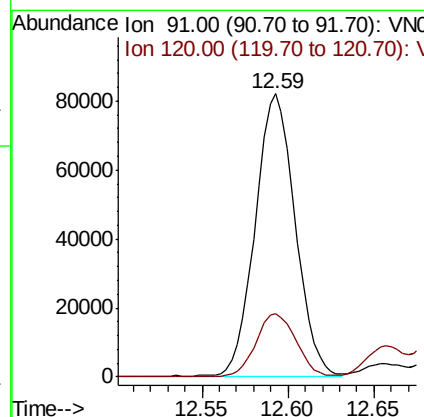
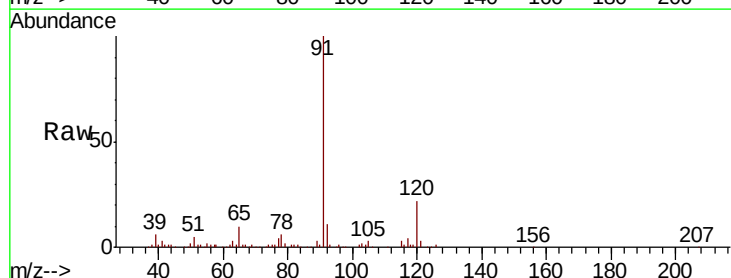
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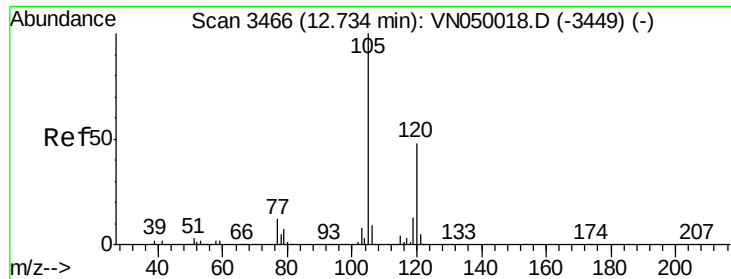
MMDadoda
7/30/2018 1:37:22 PM



#78
n-propylbenzene
Concen: 4.087 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.6	34.7





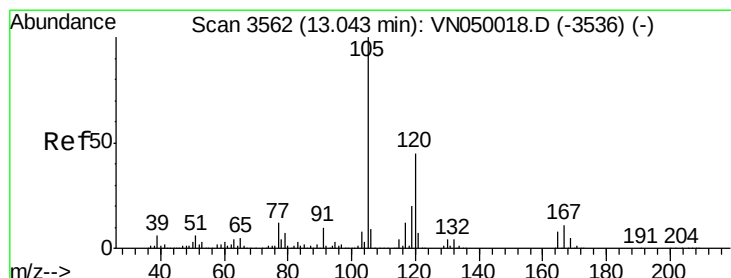
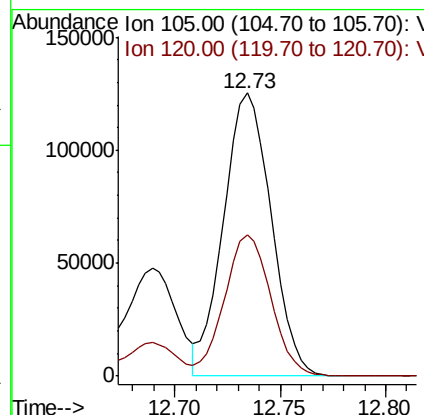
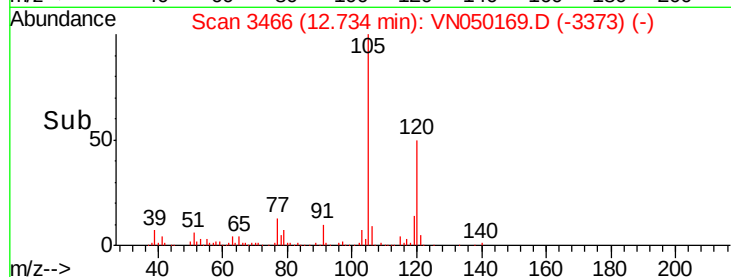
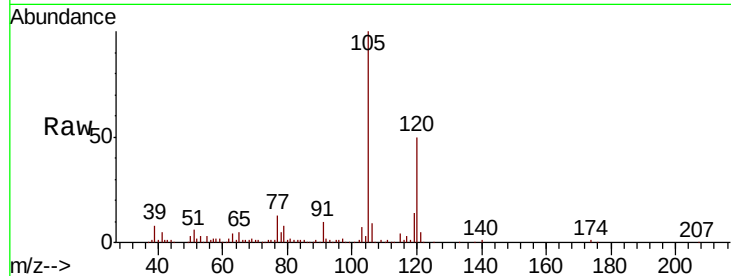
#80
 1,3,5-Trimethylbenzene
 Concen: 8.653 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050169.D
 Acq: 28 Jul 2018 8:21

Instrument :
 MSVOA_N
 ClientSampled :
 MW-24

Tgt Ion:105 Resp: 195799
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2

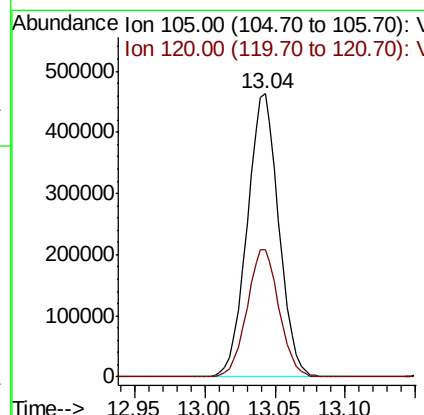
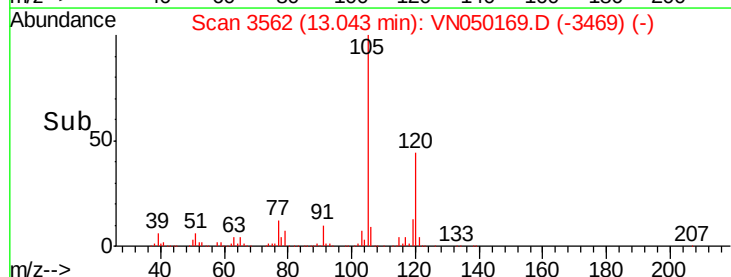
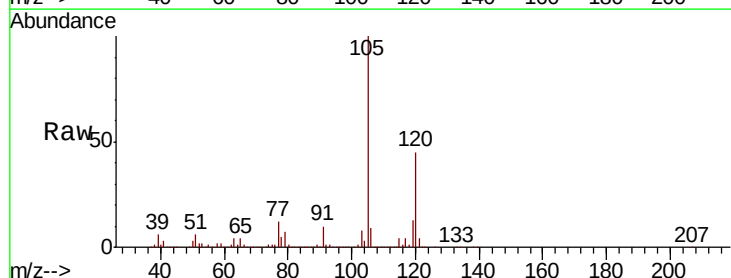
Manual Integrations
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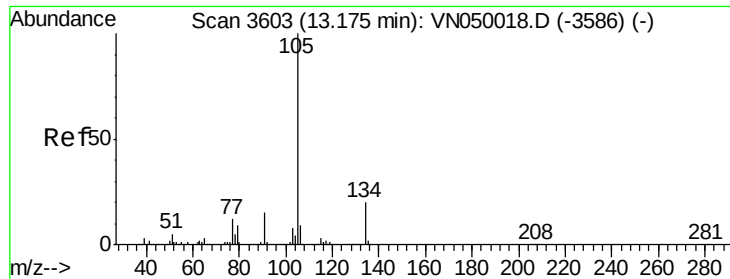
MMDadoda
 7/30/2018 1:37:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 31.821 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050169.D
 Acq: 28 Jul 2018 8:21

Tgt Ion:105 Resp: 725795
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.510 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

Instrument :

MSVOA_N

ClientSampled :

MW-24

Tgt Ion:105 Resp: 39833

Ion Ratio Lower Upper

105 100

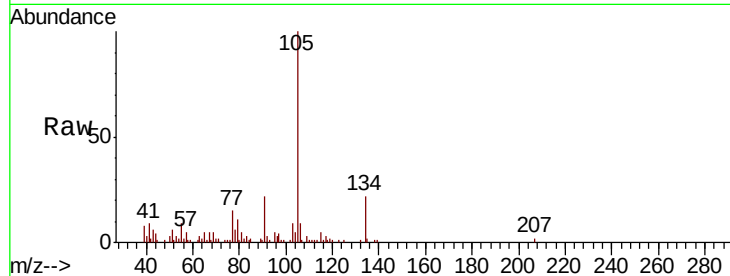
134 26.9 10.1 30.1

Manual Integrations

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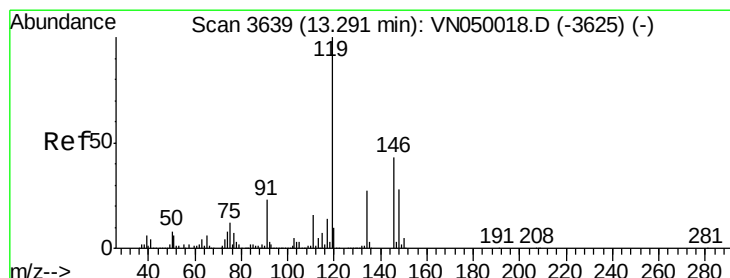
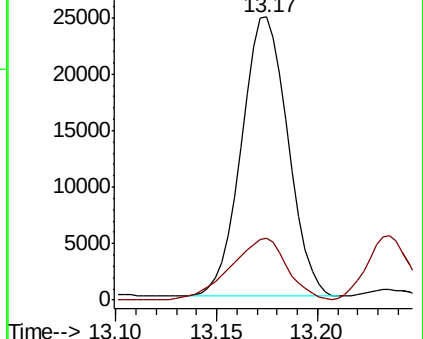
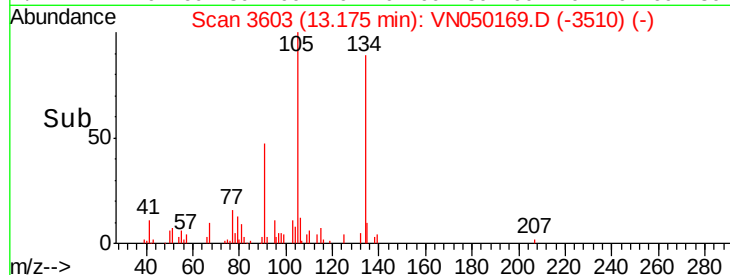
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.744 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050169.D

Acq: 28 Jul 2018 8:21

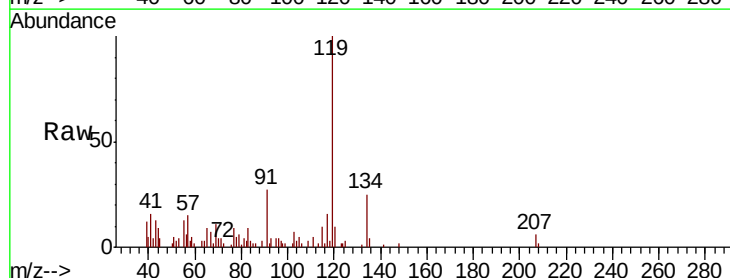
Tgt Ion:119 Resp: 16541

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

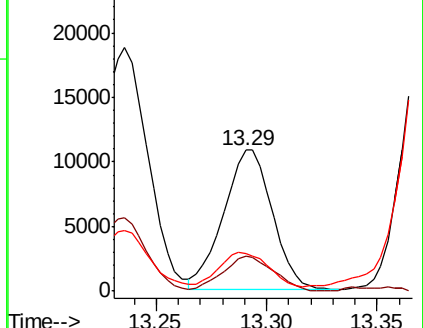
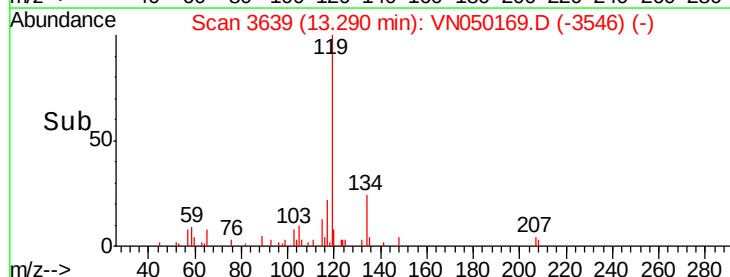
91 23.7 11.4 34.2

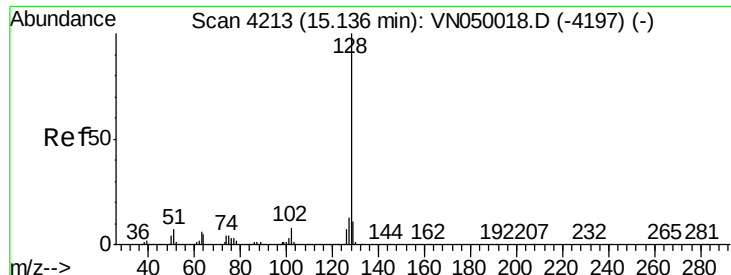


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





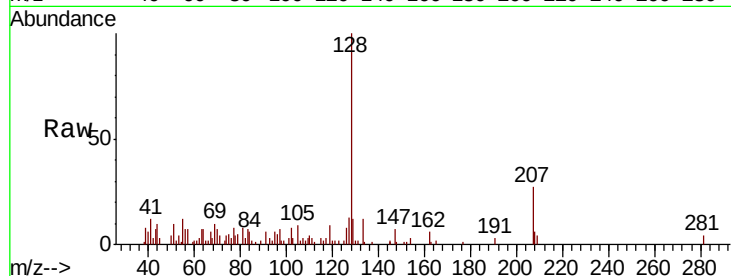
#95
Naphthalene
Concen: 5.578 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050169.D
Acq: 28 Jul 2018 8:21

Instrument :
MSVOA_N
ClientSampleId :
MW-24

Tgt Ion:	128	Resp:	21610
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.4	15.6
129	10.5	8.8	13.2

Manual Integrations
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7/30/2018 1:37:22 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

