

Data File : VN049321.D
Acq On : 16 Jun 2018 20:20
Operator : MD\SY
Sample : J3564-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:29 PM

Quant Time: Jul 01 23:11:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1705422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2700136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2347261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	943140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1118423	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	1010765	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.54%	
50) Toluene-d8	10.09	98	3787995	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
62) 4-Bromofluorobenzene	12.40	95	1181688	42.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.94%	
Target Compounds						
73) Isopropylbenzene	12.25	105	181209	2.188	ug/l	97
78) n-propylbenzene	12.59	91	209159	2.300	ug/l	99
83) tert-Butylbenzene	12.99	119	56109	0.973	ug/l	96
85) sec-Butylbenzene	13.17	105	224127m	2.920	ug/l	
89) n-Butylbenzene	13.62	91	38692m	0.773	ug/l	

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

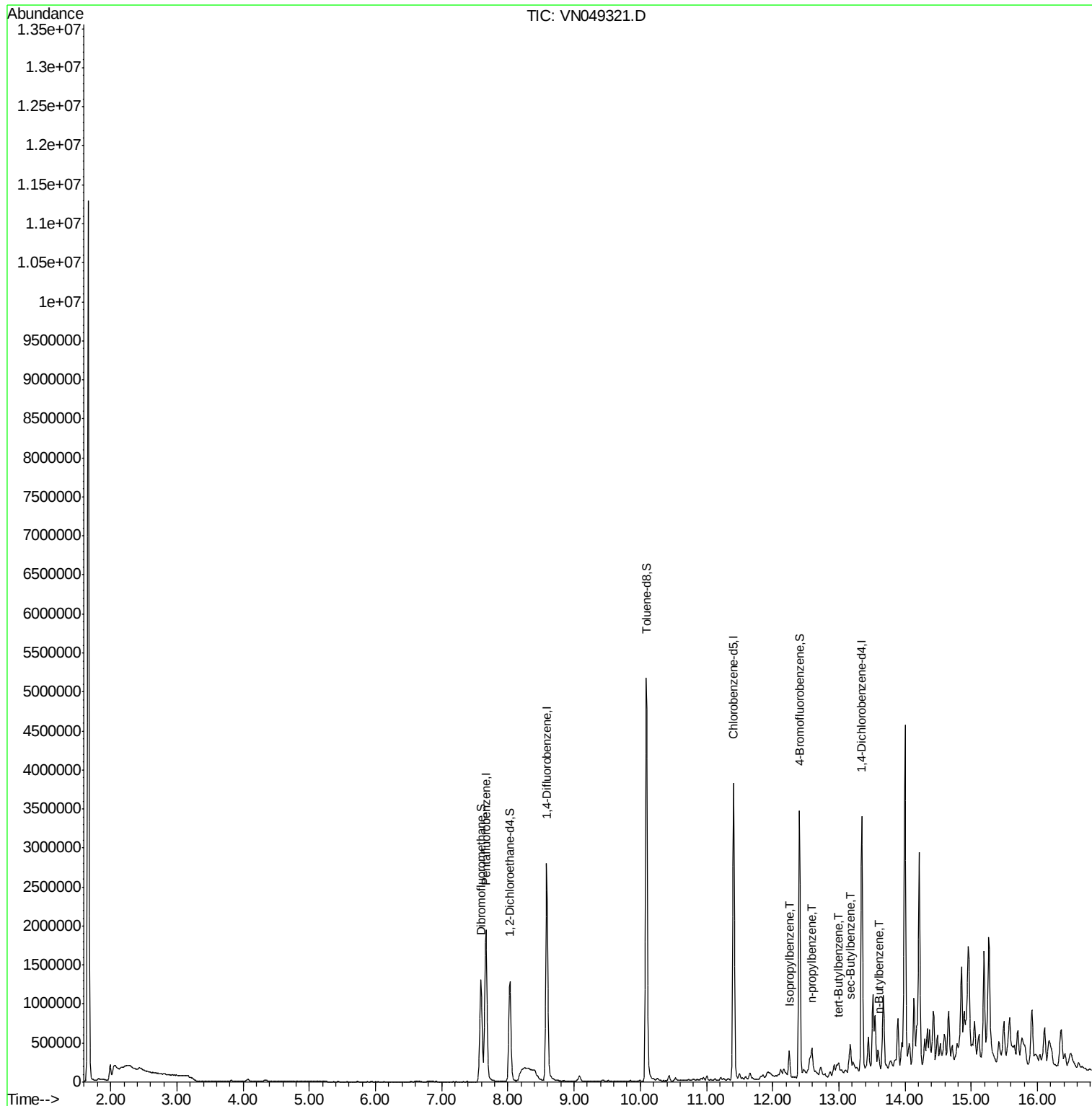
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampled :

MW-16

Tgt Ion:168 Resp: 1705422

Ion Ratio Lower Upper

168 100

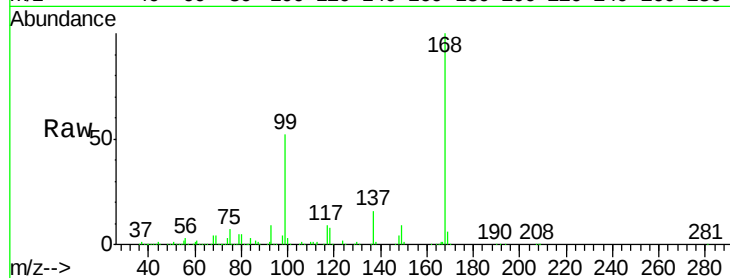
99 51.6 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

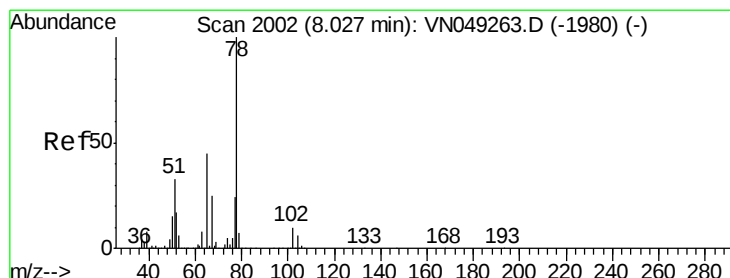
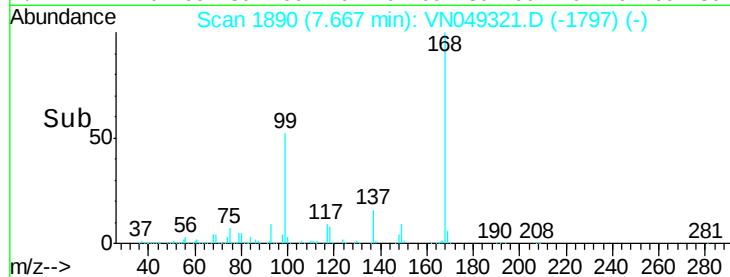
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 49.445 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049321.D

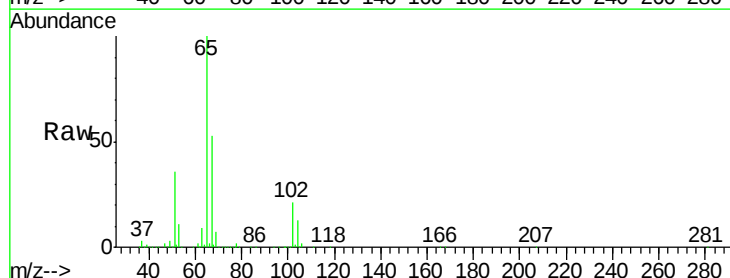
Acq: 16 Jun 2018 20:20

Tgt Ion: 65 Resp: 1118423

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

500000

400000

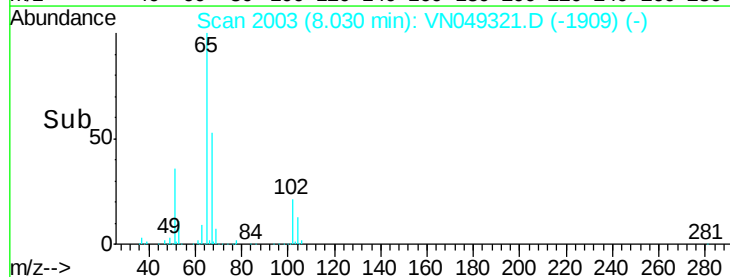
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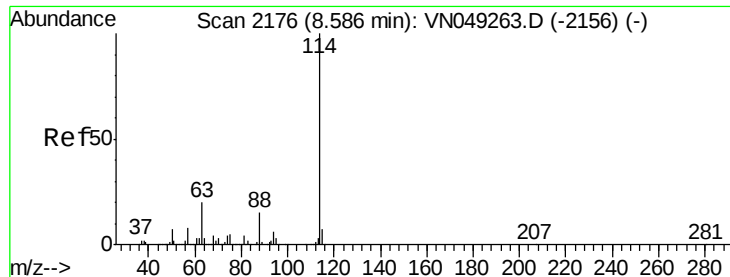
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100000

0

Time--> 7.90 8.00 8.10 8.20





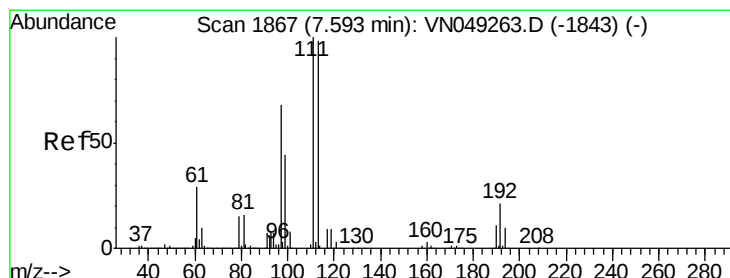
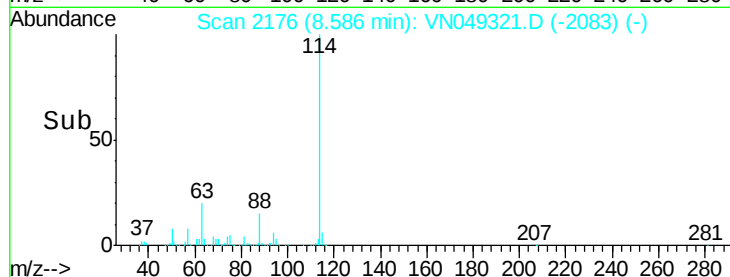
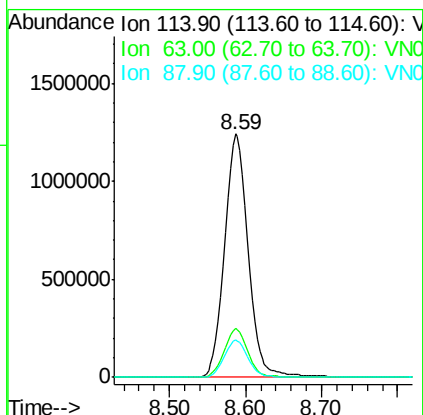
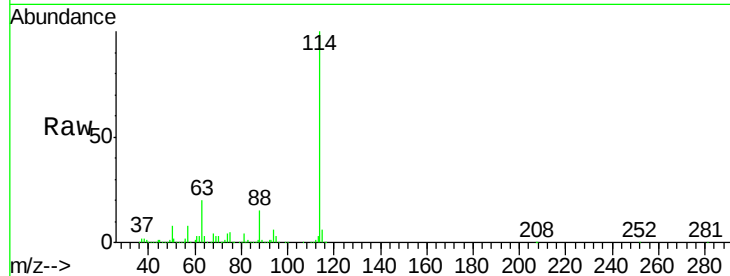
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049321.D
 Acq: 16 Jun 2018 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.4
88	15.3	0.0	31.4

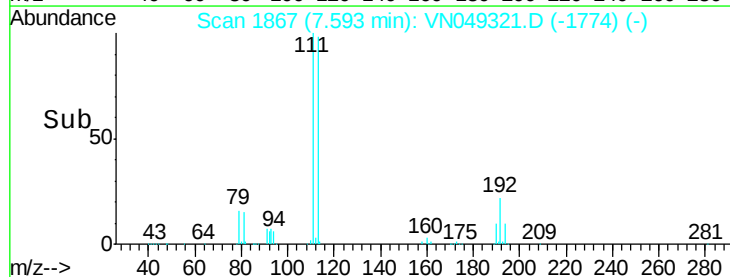
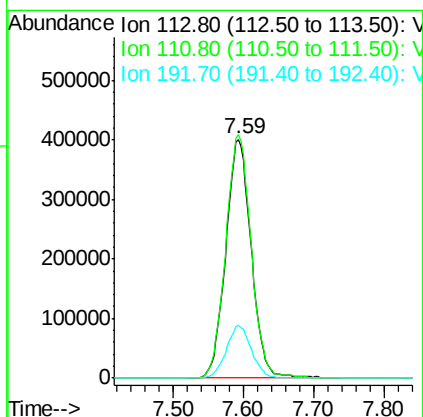
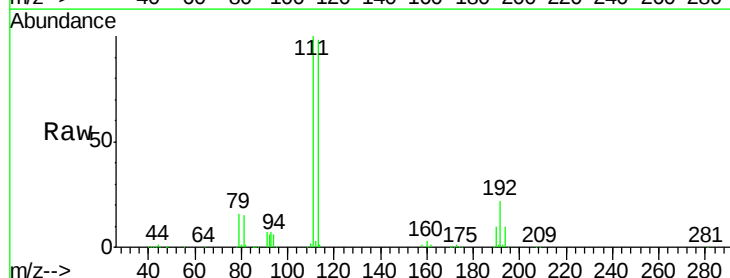
Manual Integrations
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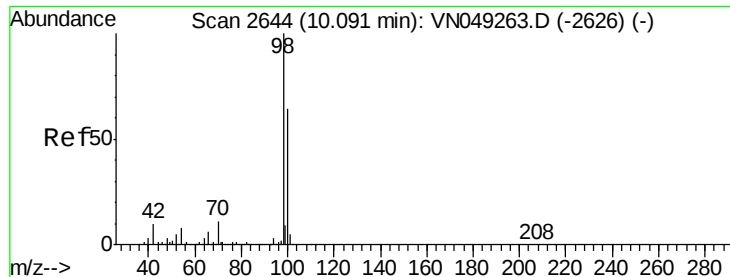
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#35
 Dibromofluoromethane
 Concen: 46.269 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049321.D
 Acq: 16 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	21.8	15.0	22.6





#50

Toluene-d8

Concen: 45.540 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

MW-16

Tgt Ion: 98 Resp: 3787995

Ion Ratio Lower Upper

98 100

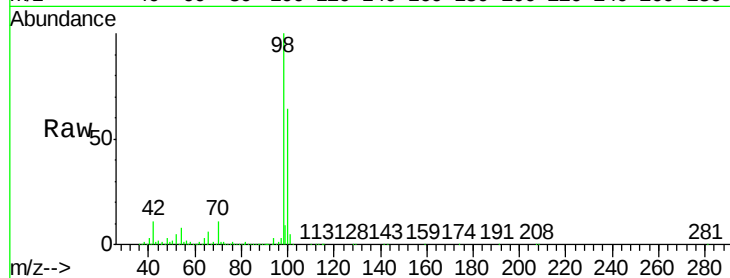
100 63.7 49.8 74.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

10.09

2000000

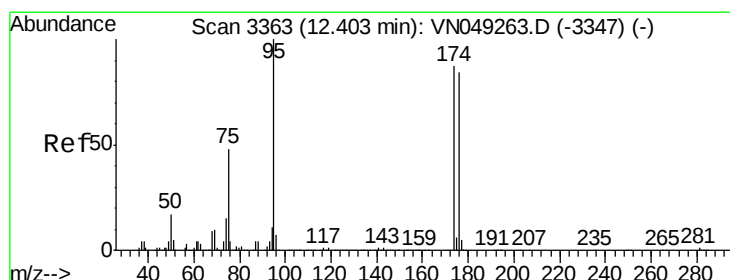
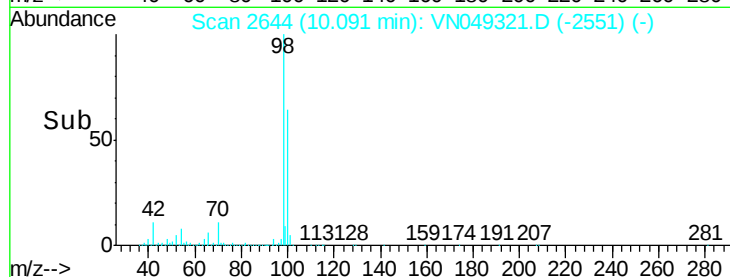
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.965 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

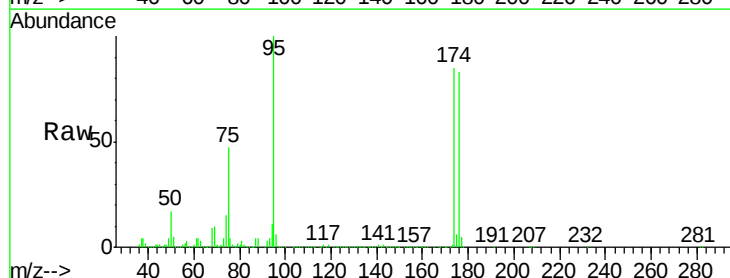
Tgt Ion: 95 Resp: 1181688

Ion Ratio Lower Upper

95 100

174 87.1 0.0 165.6

176 84.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)

12.40

1000000

800000

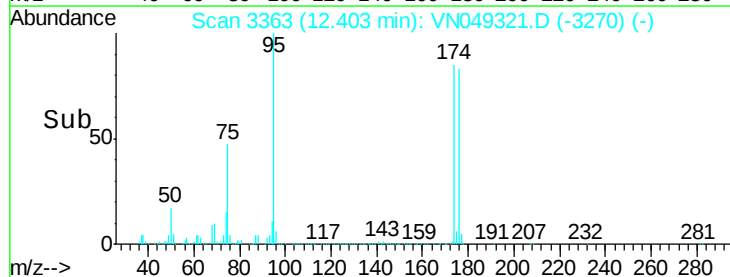
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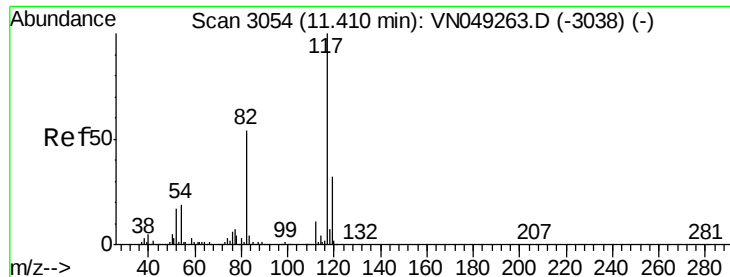
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200000

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Time-->





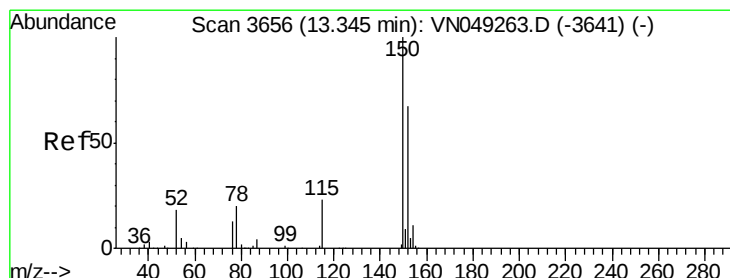
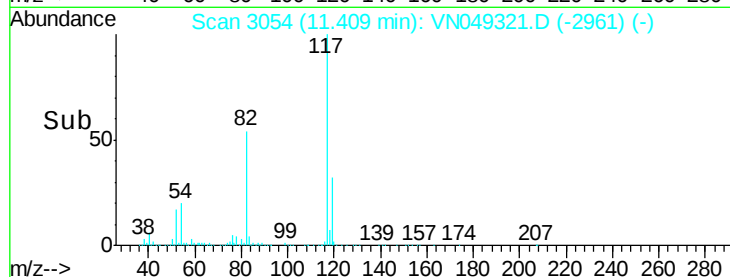
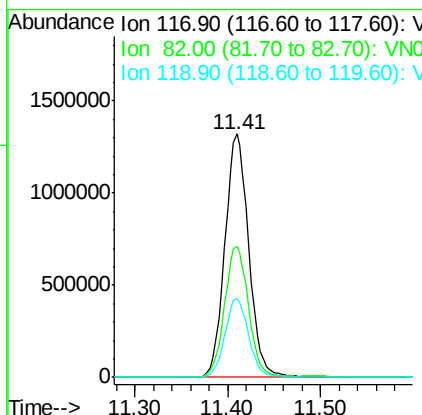
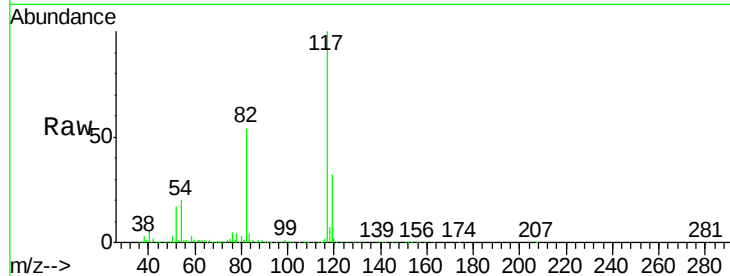
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Tgt Ion:117 Resp: 2347261
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 32.4 25.5 38.3

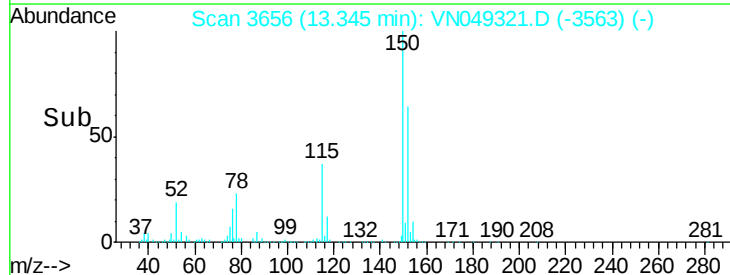
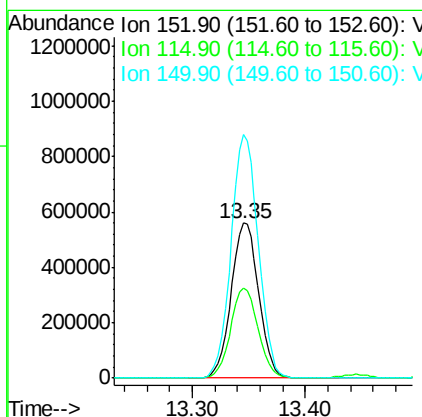
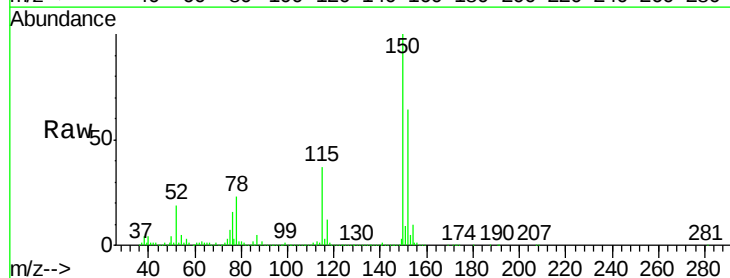
Manual Integrations
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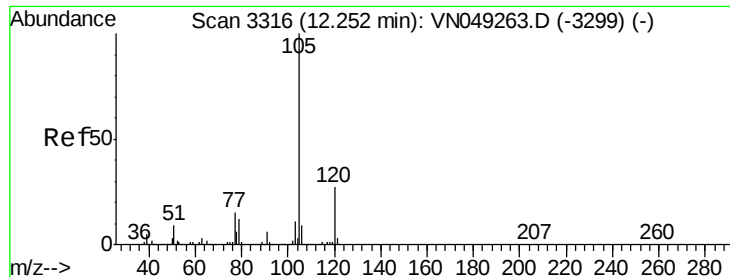
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion:152 Resp: 943140
Ion Ratio Lower Upper
152 100
115 57.8 28.7 86.1
150 155.3 0.0 351.0





#73

Isopropylbenzene

Concen: 2.188 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampled :

MW-16

Tgt Ion: 105 Resp: 181209

Ion Ratio Lower Upper

105 100

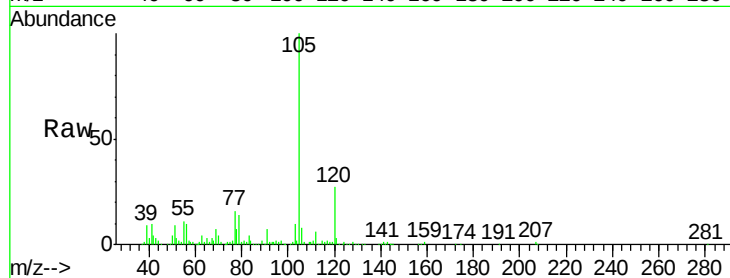
120 27.1 12.8 38.3

Manual Integrations

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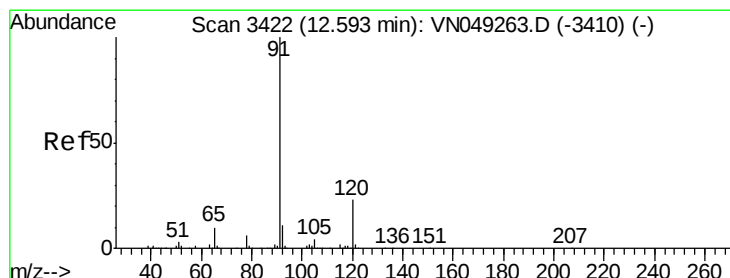
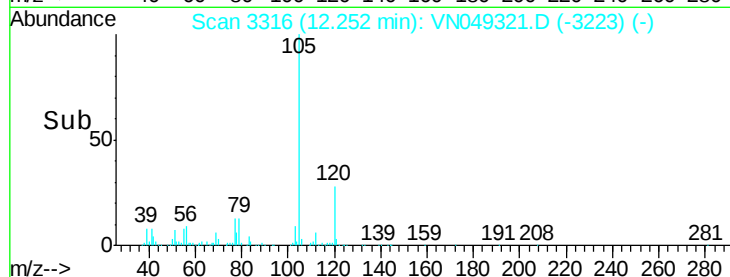
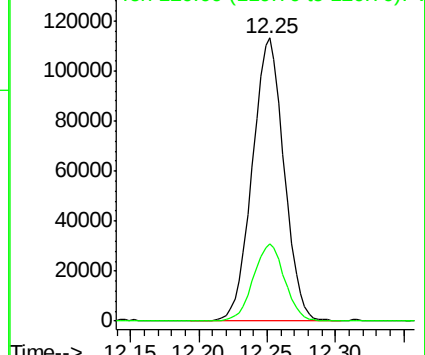
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.300 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049321.D

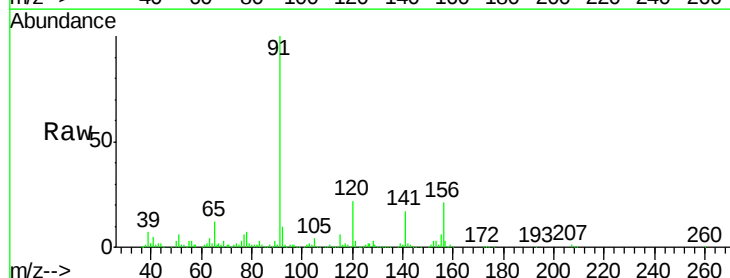
Acq: 16 Jun 2018 20:20

Tgt Ion: 91 Resp: 209159

Ion Ratio Lower Upper

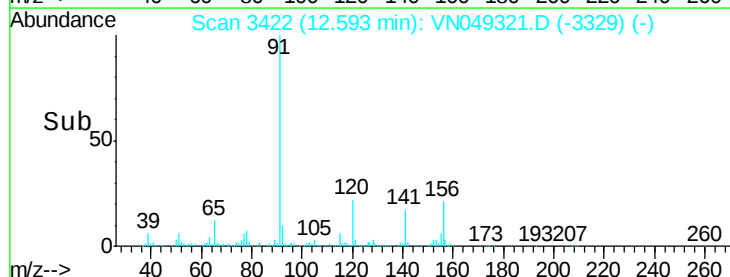
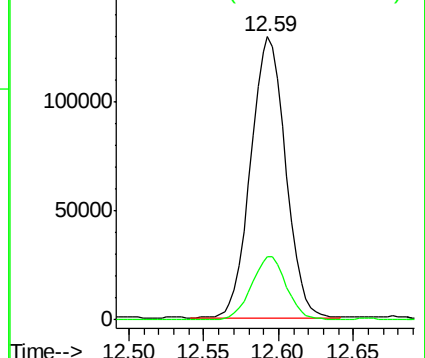
91 100

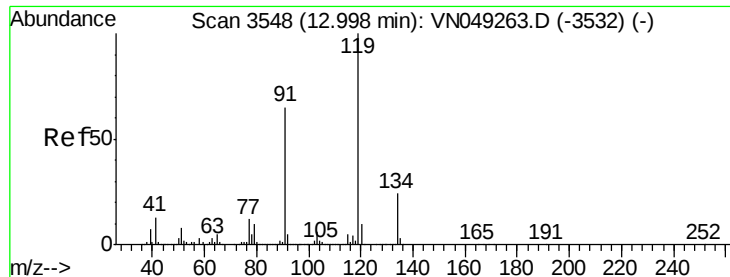
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





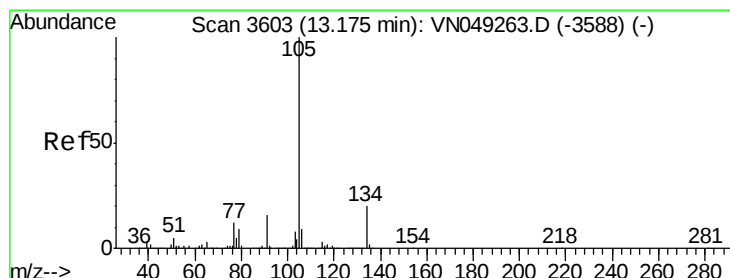
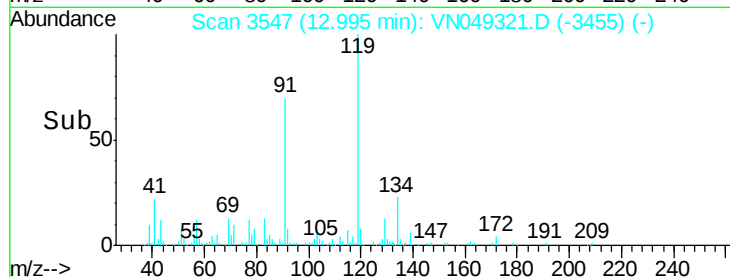
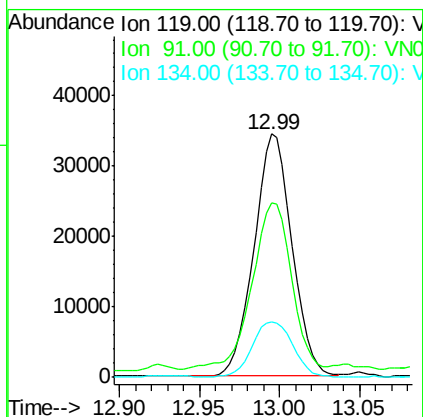
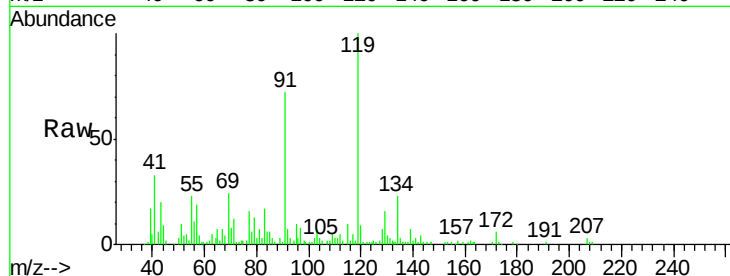
#83
tert-Butylbenzene
Concen: 0.973 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Tgt Ion	Ratio	Lower	Upper
119	100		
91	71.2	33.7	101.0
134	24.7	12.9	38.6

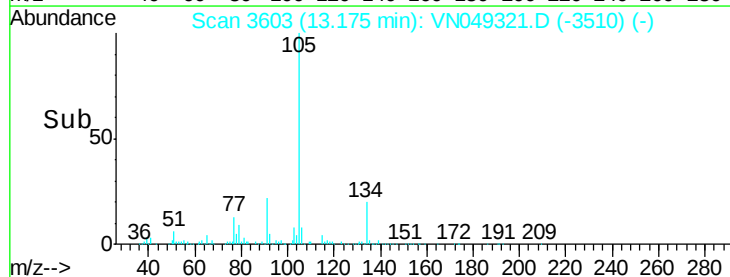
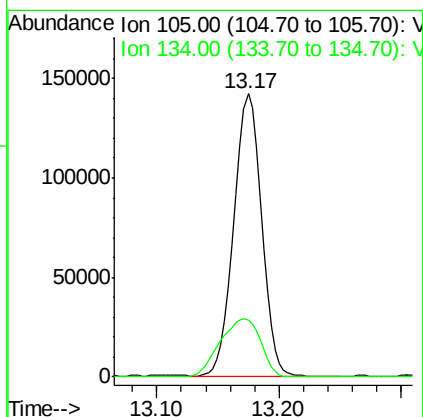
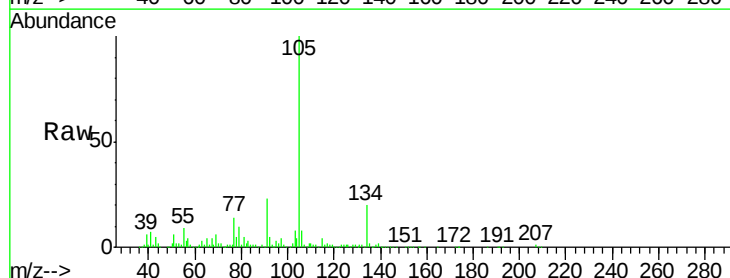
Manual Integrations
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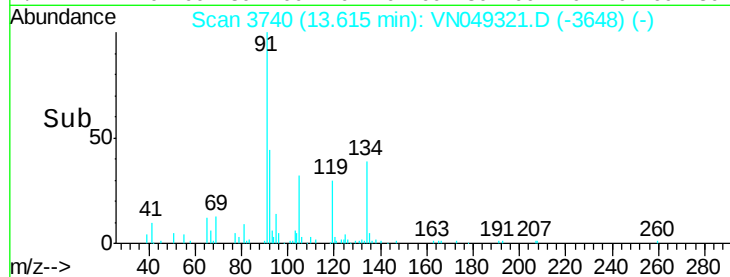
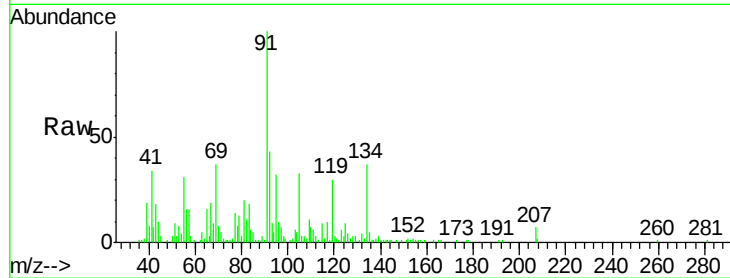
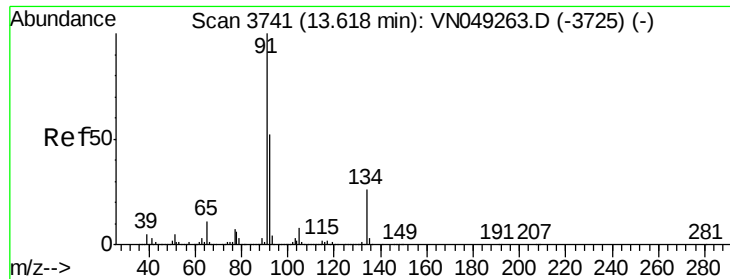
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#85
sec-Butylbenzene
Concen: 2.920 ug/l m
RT: 13.17 min Scan# 3603
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.3#





#89

n-Butylbenzene

Concen: 0.773 ug/l m

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Tgt Ion:	91	Resp:	38692
Ion Ratio	Lower	Upper	
91	100		
92	53.7	25.1	75.4
134	0.0	12.0	36.0#

Instrument :

MSVOA_N

ClientSampleId :

MW-16

Manual Integrations
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