

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049325.D
 Acq On : 16 Jun 2018 22:03
 Operator : MD\SY
 Sample : J3562-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 W-18

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:30 PM

Quant Time: Jun 18 07:14:22 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	1818857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2778754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2374397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1020221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1117467	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	7.59	113	1012678	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	10.09	98	3931336	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.40	95	1206297	42.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.24%	

Target Compounds

						Qvalue
18) Methyl Acetate	4.33	43	29421	1.65	ug/l	93
31) Cyclohexane	7.65	56	2457568	68.95	ug/l	95
39) Methylcyclohexane	9.08	83	1941848	56.80	ug/l	96
52) Toluene	10.16	92	33143	0.58	ug/l	100
64) Tetrachloroethene	10.63	164	31771	1.31	ug/l	99
67) Ethyl Benzene	11.51	91	586701	5.78	ug/l	99
68) m/p-Xylenes	11.62	106	425913	11.19	ug/l	95
69) o-Xylene	11.95	106	27260	0.74	ug/l	89
73) Isopropylbenzene	12.25	105	2066635	23.07	ug/l	98
78) n-propylbenzene	12.59	91	2862733	29.11	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2333937	33.15	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	9576630	136.92	ug/l	98
85) sec-Butylbenzene	13.17	105	154336m	1.86	ug/l	
86) p-Isopropyltoluene	13.29	119	129074	1.86	ug/l	99
89) n-Butylbenzene	13.62	91	109017m	2.01	ug/l	
95) Naphthalene	15.14	128	124275	6.42	ug/l	98

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

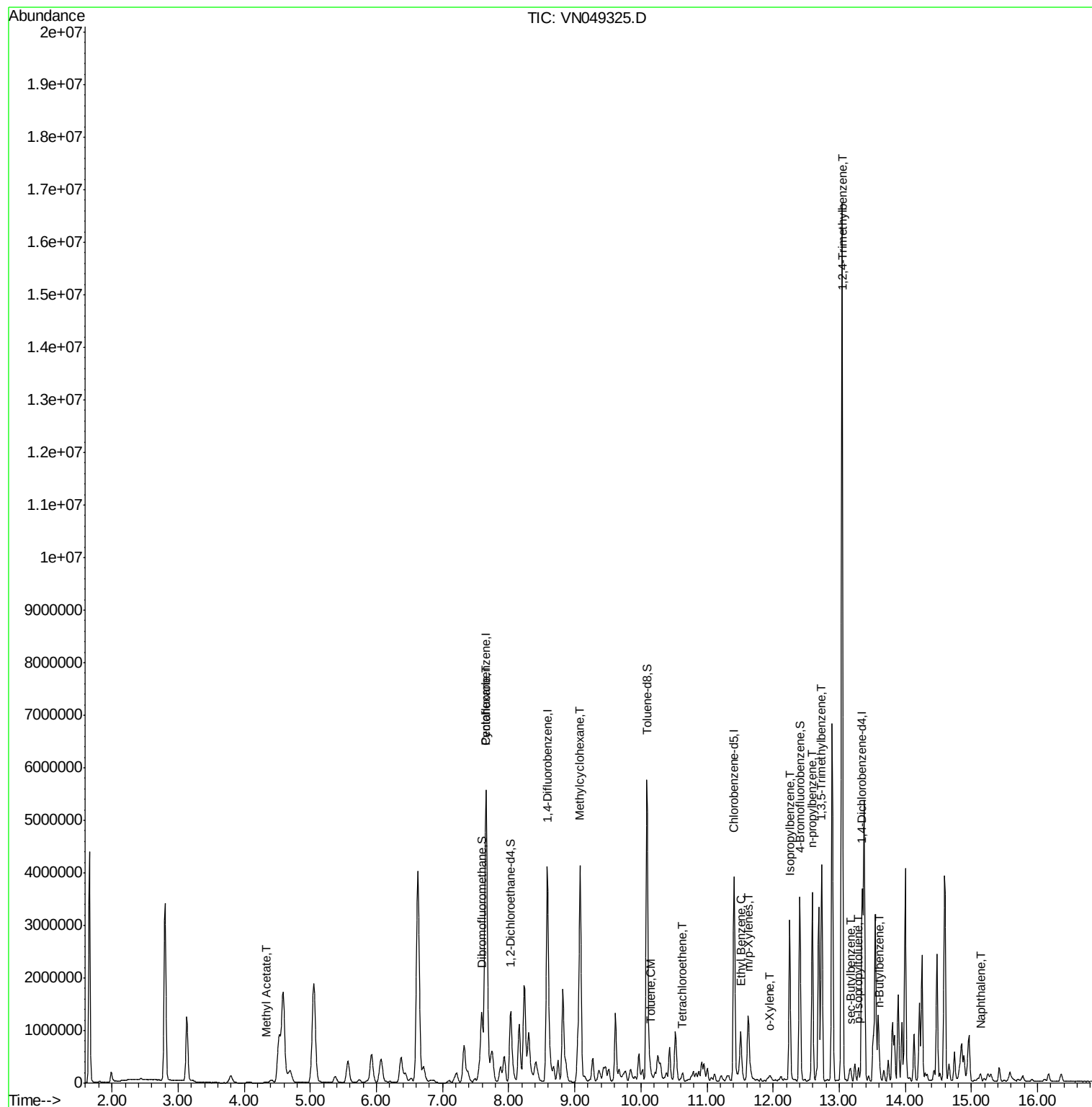
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049325.D
Acq On : 16 Jun 2018 22:03
Operator : MD\SY
Sample : J3562-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

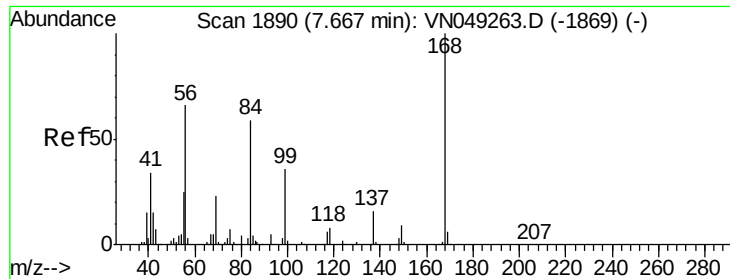
Instrument :
MSVOA_N
ClientSampleId :
W-18

Manual Integrations
APPROVED

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6/18/2018 3:16:30 PM

Quant Time: Jun 18 07:14:22 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





#1

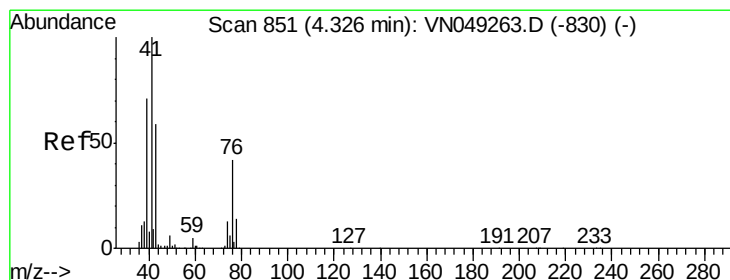
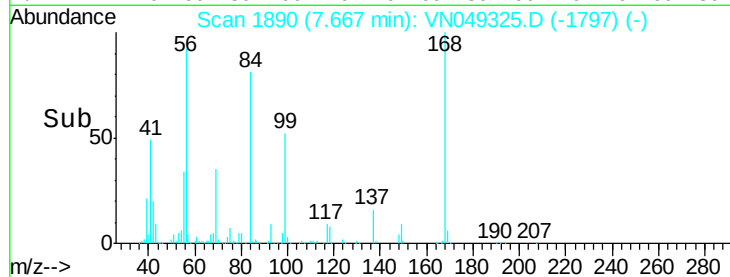
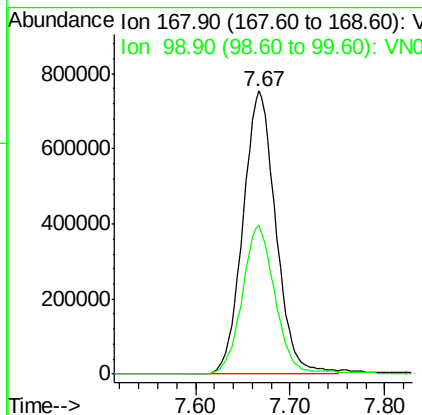
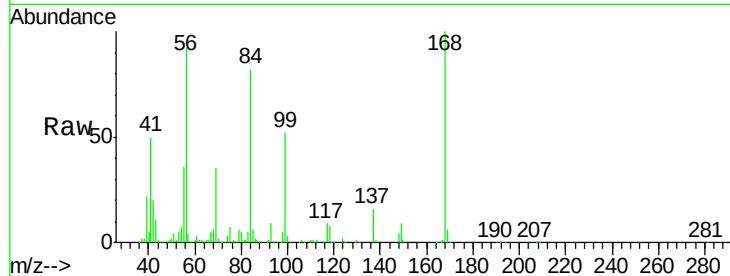
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 W-18

Tot Ion:168 Resp: 1818857
 Ion Ratio Lower Upper
 168 100
 99 52.4 45.8 68.6

Manual Integrations
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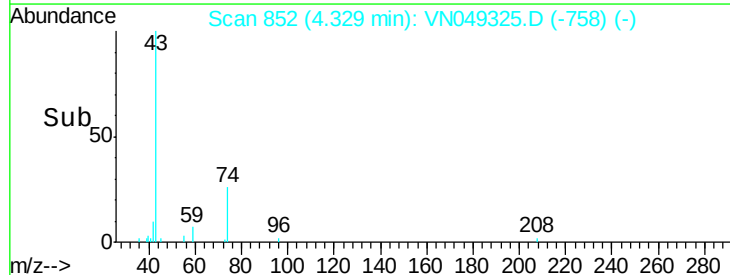
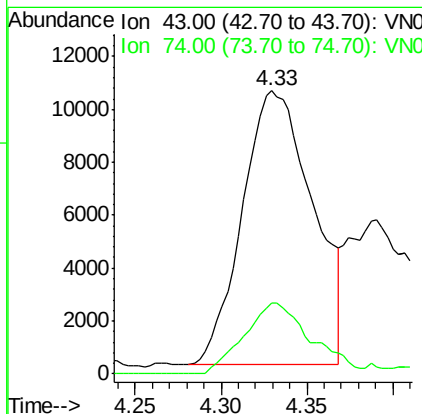
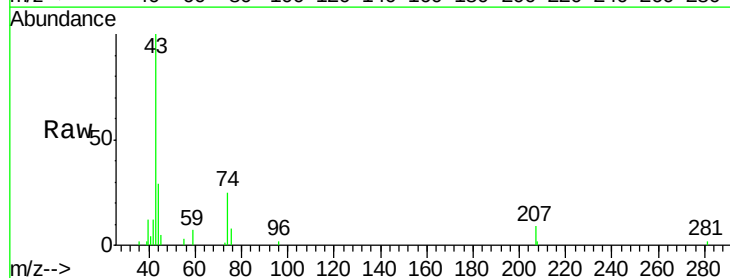
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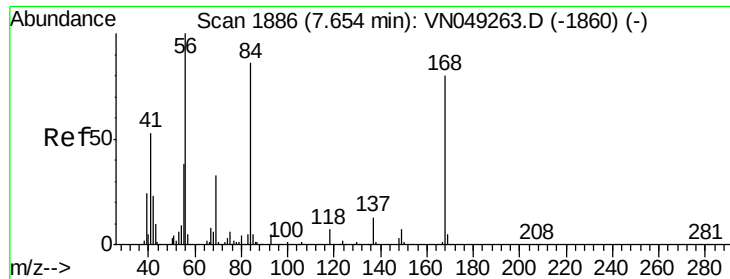


#18

Methyl Acetate
 Concen: 1.65 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Tgt Ion: 43 Resp: 29421
 Ion Ratio Lower Upper
 43 100
 74 24.8 17.4 26.0





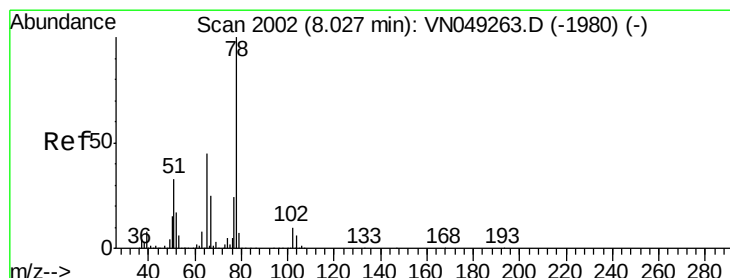
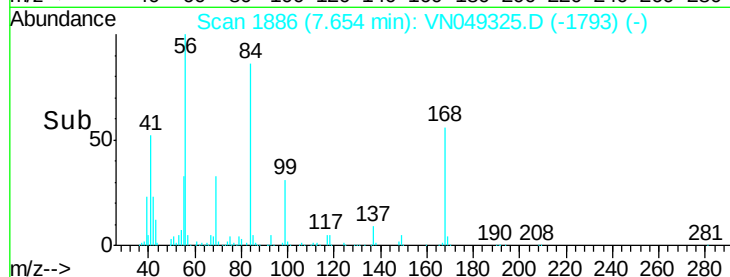
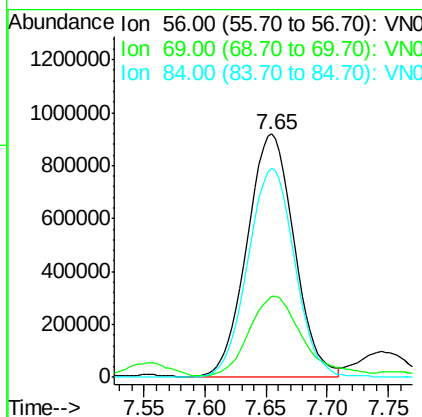
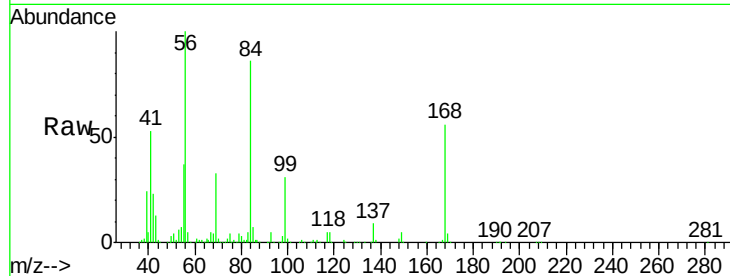
#31
Cyclohexane
Concen: 68.95 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
W-18

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.0	37.4
84	85.9	64.6	96.8

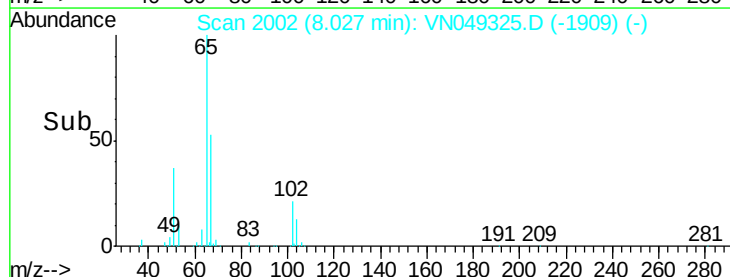
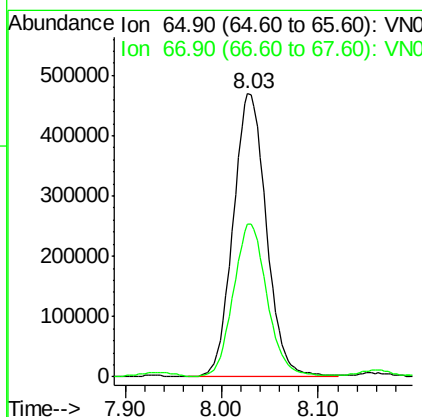
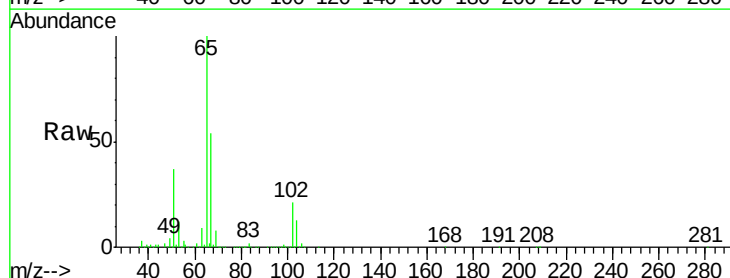
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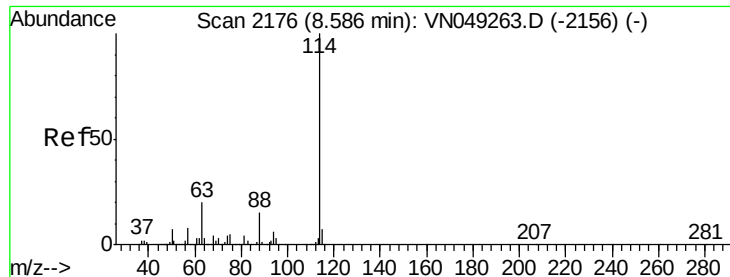
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#33
1,2-Dichloroethane-d4
Concen: 46.32 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

W-18

Tot Ion:114 Resp: 2778754

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.4

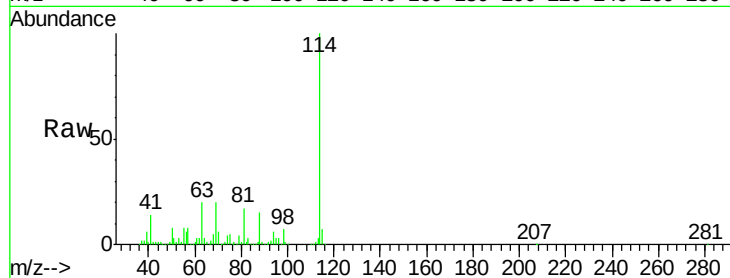
88 15.5 0.0 31.4

Manual Integrations

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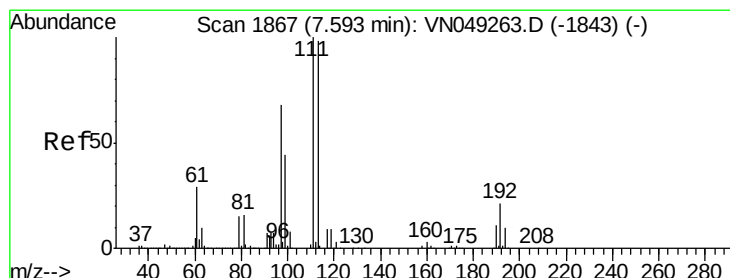
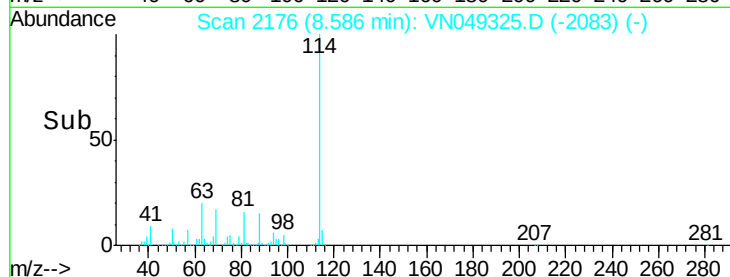
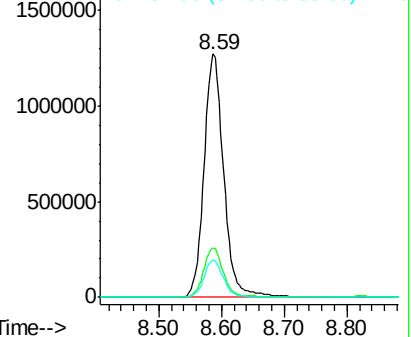
6/18/2018 3:16:30 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.05 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

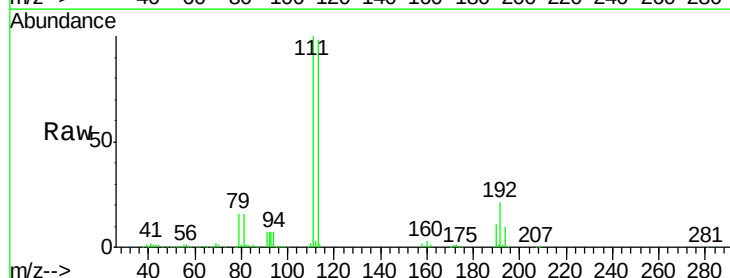
Tgt Ion:113 Resp: 1012678

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

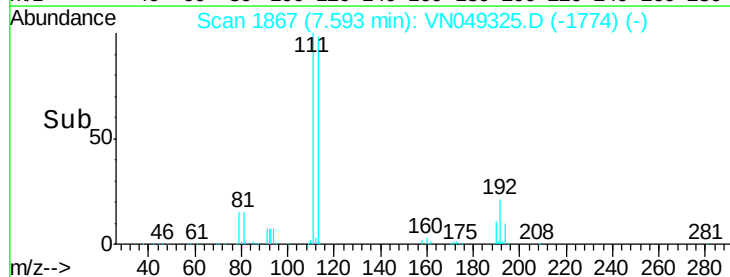
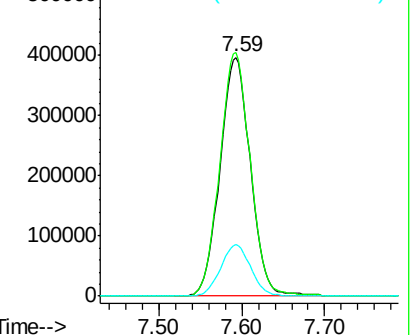
192 21.3 15.0 22.6

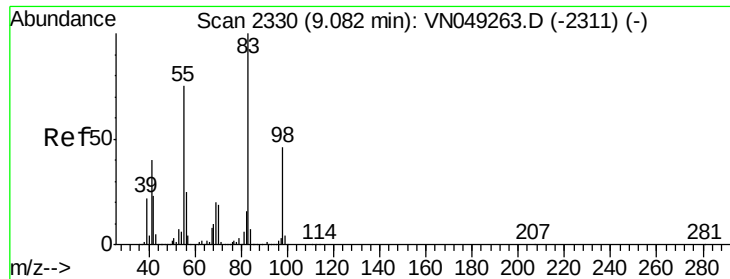


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





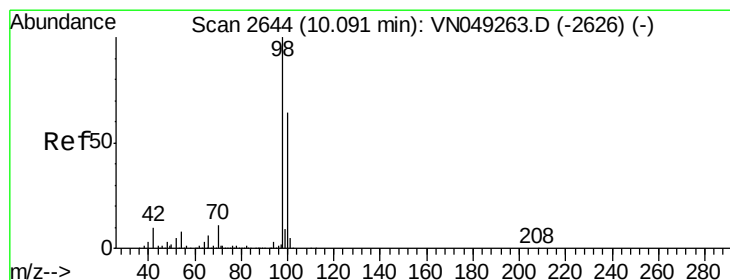
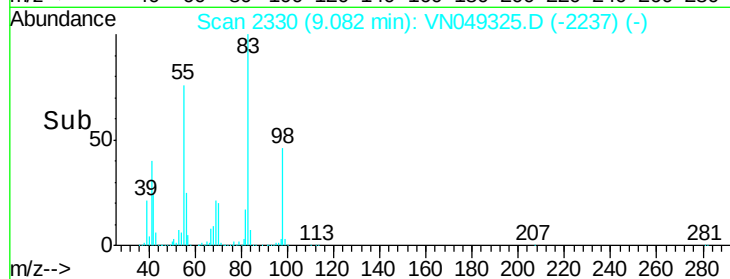
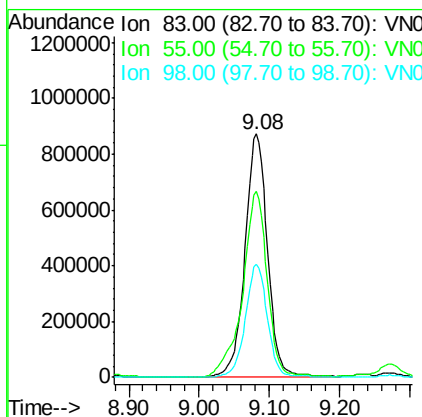
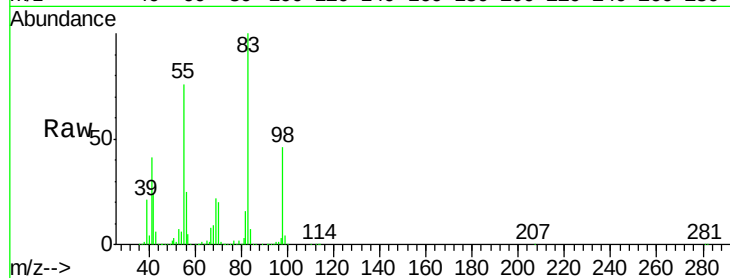
#39
Methylcyclohexane
Concen: 56.80 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
W-18

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	65.1	97.7
98	46.2	36.5	54.7

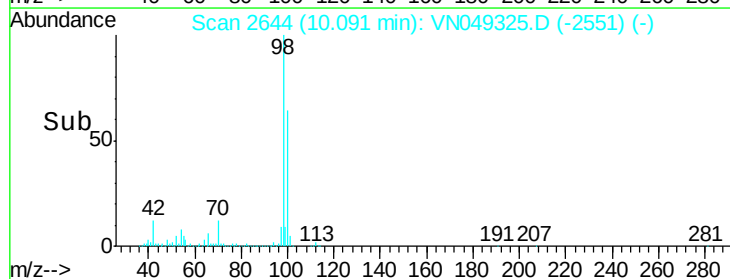
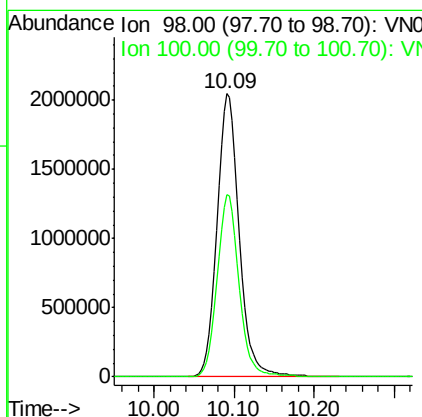
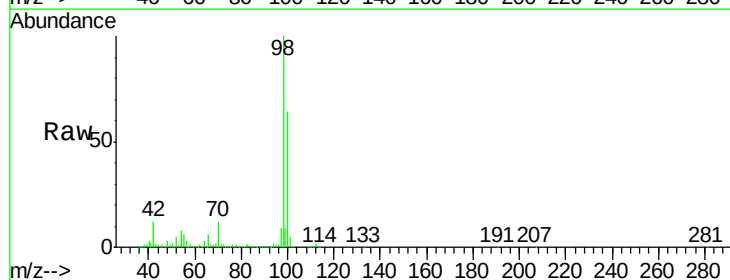
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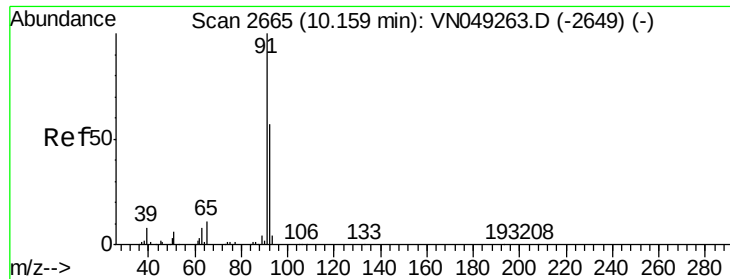
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#50
Toluene-d8
Concen: 45.93 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.8	74.8





#52

Toluene

Concen: 0.58 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

W-18

Tot Ion: 92 Resp: 33143

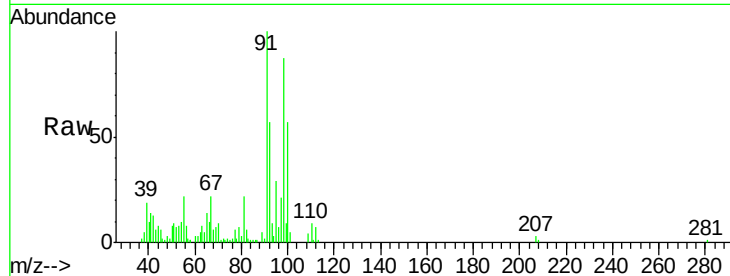
Ion Ratio Lower Upper

92 100

91 179.8 143.4 215.2

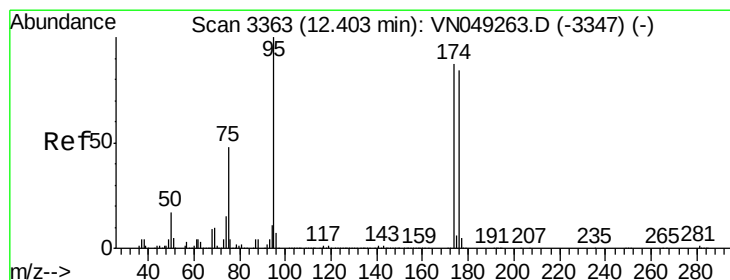
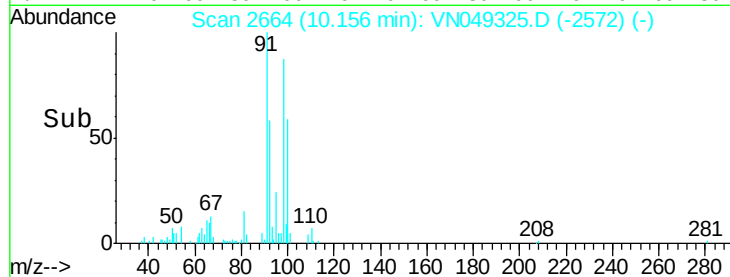
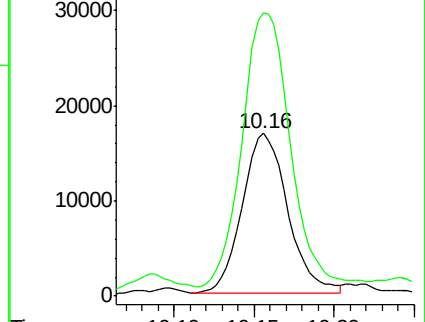
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Abundance Ion 92.00 (91.70 to 92.70): VN049325.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049325.D (-2649) (-)



#62

4-Bromofluorobenzene

Concen: 42.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

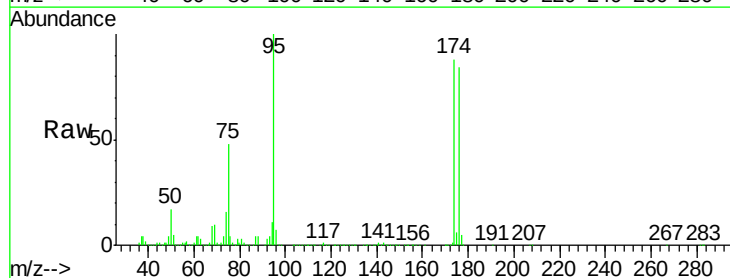
Tgt Ion: 95 Resp: 1206297

Ion Ratio Lower Upper

95 100

174 87.9 0.0 165.6

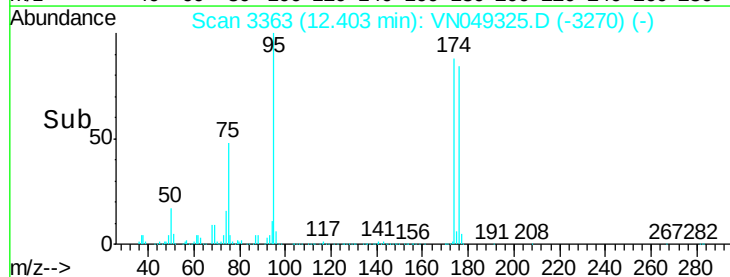
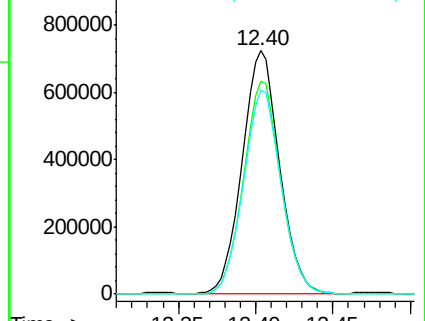
176 85.5 0.0 157.4

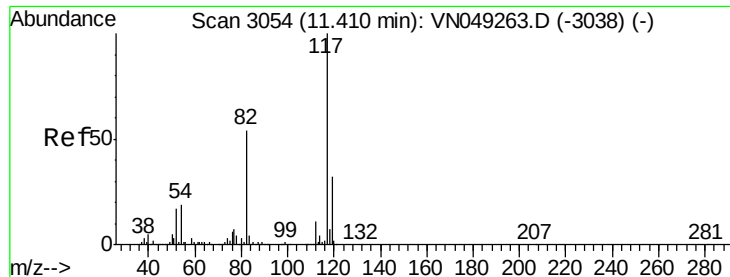


Abundance Ion 94.90 (94.60 to 95.60): VN049325.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049325.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049325.D (-3347) (-)





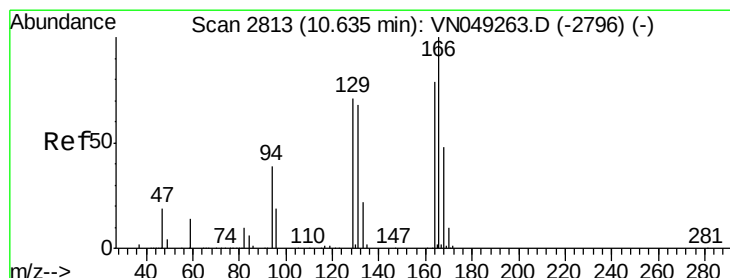
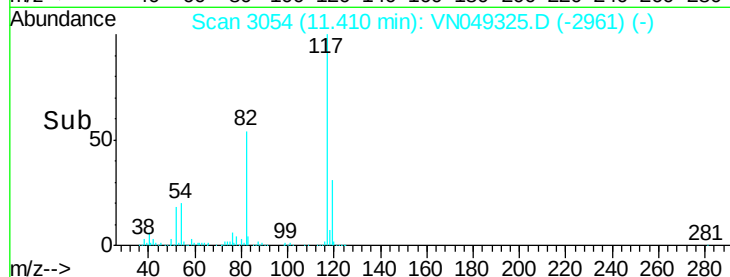
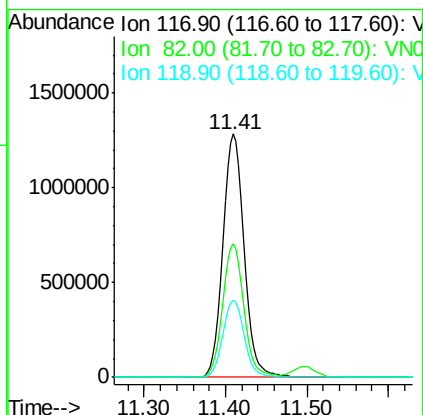
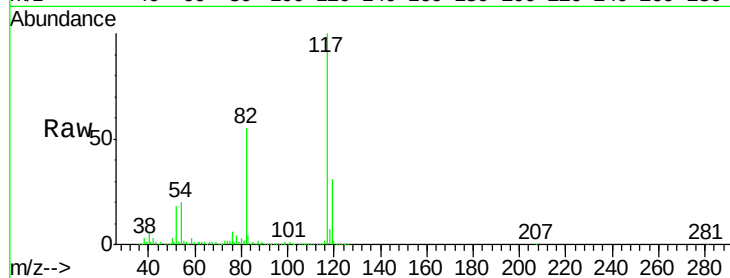
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
W-18

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.9	68.9
119	31.5	25.5	38.3

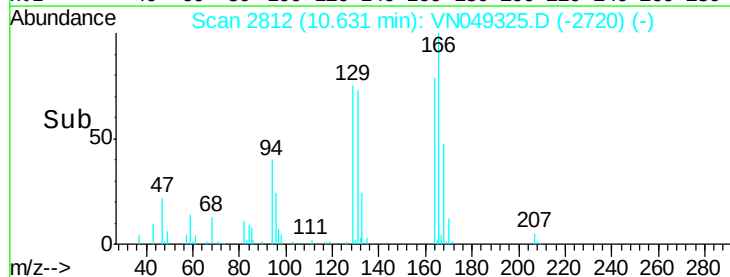
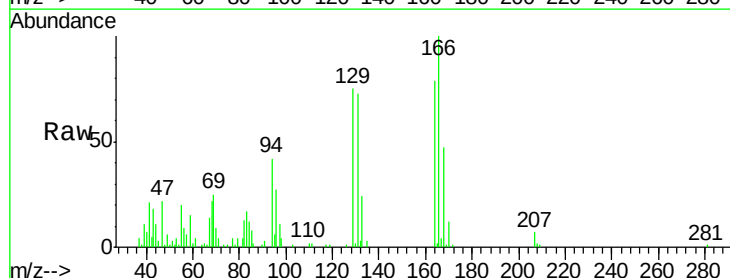
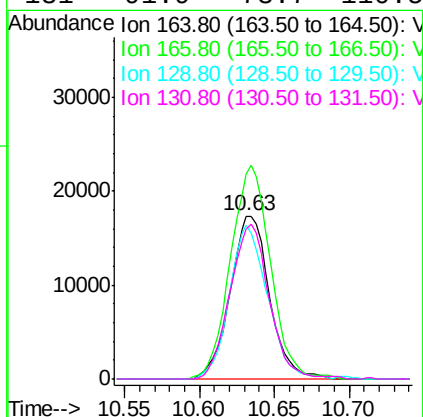
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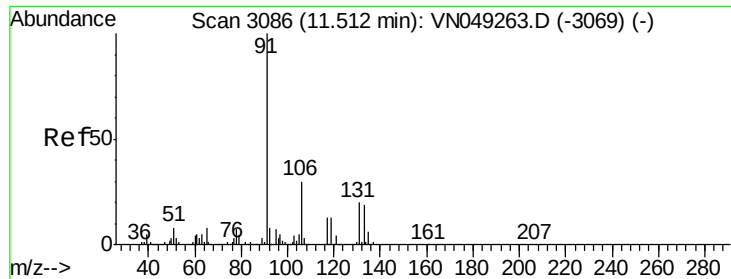
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#64
Tetrachloroethene
Concen: 1.31 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.4	152.2
129	94.1	74.1	111.1
131	91.9	73.7	110.5





#67

Ethyl Benzene

Concen: 5.78 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

W-18

Tot Ion: 91 Resp: 586701

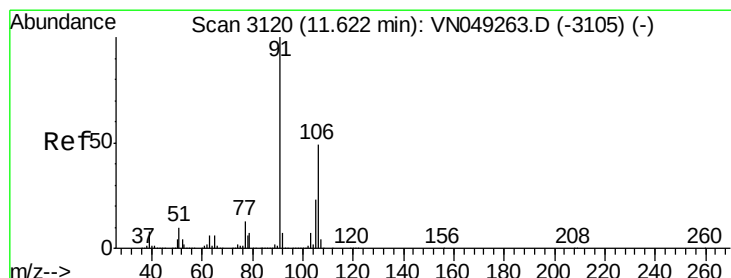
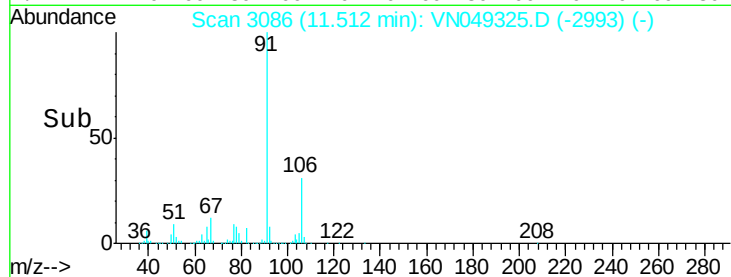
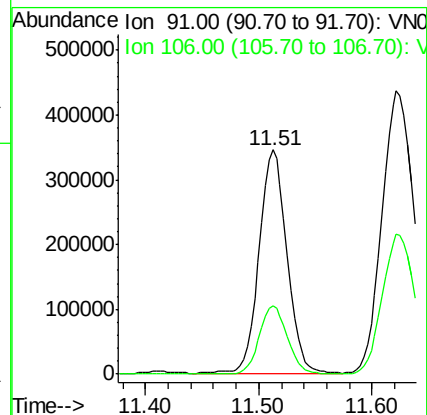
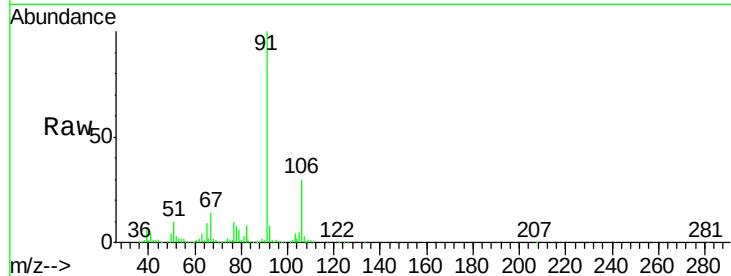
Ion Ratio Lower Upper

91 100

106 30.6 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 11.19 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049325.D

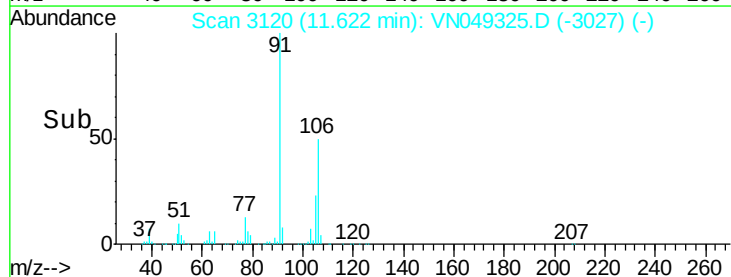
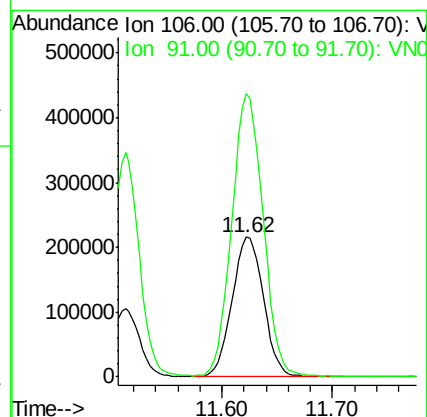
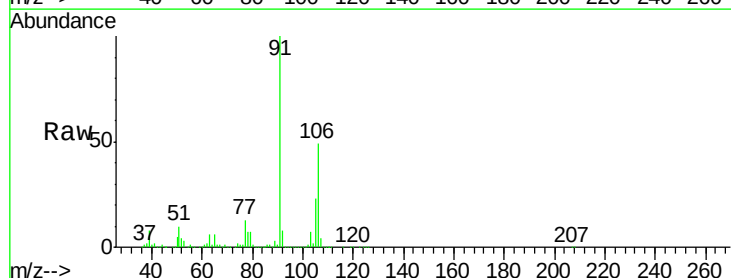
Acq: 16 Jun 2018 22:03

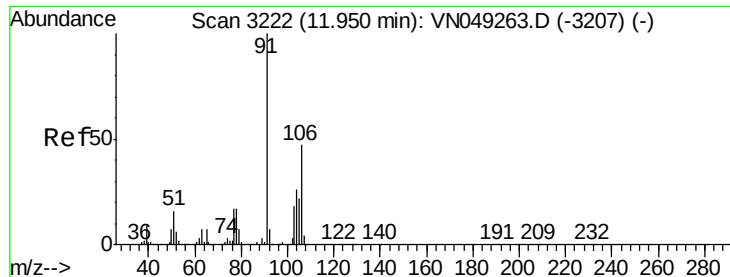
Tgt Ion: 106 Resp: 425913

Ion Ratio Lower Upper

106 100

91 201.3 167.3 250.9





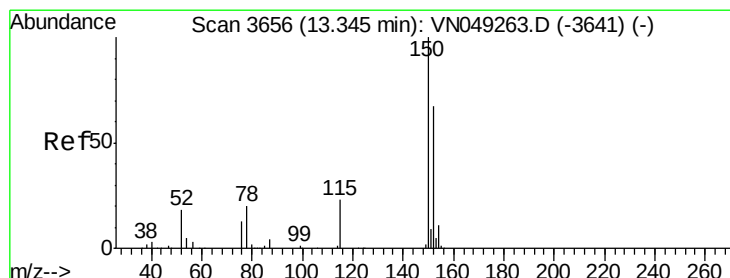
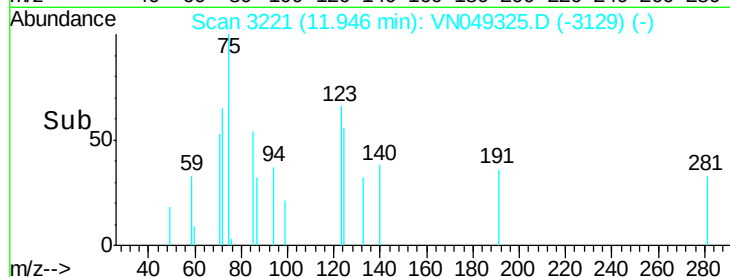
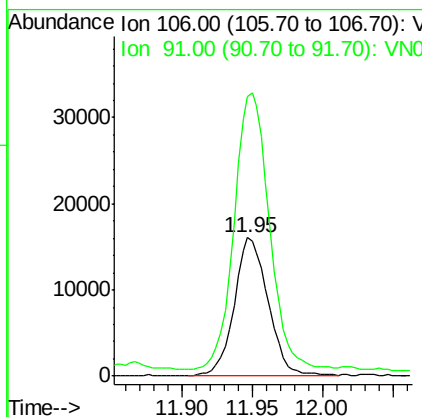
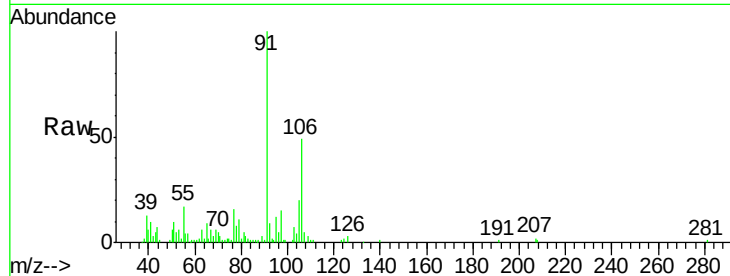
#69
o-Xylene
Concen: 0.74 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
W-18

Tot Ion:106 Resp: 27260
Ion Ratio Lower Upper
106 100
91 204.5 111.0 333.0

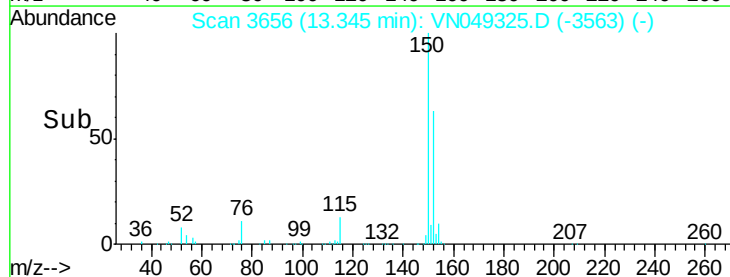
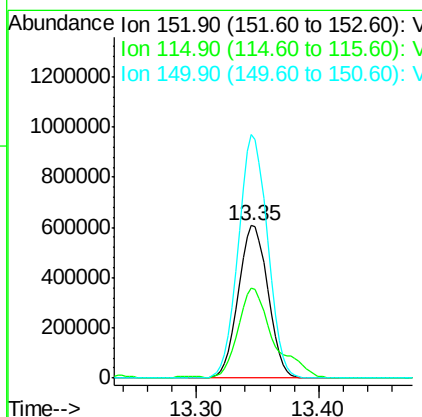
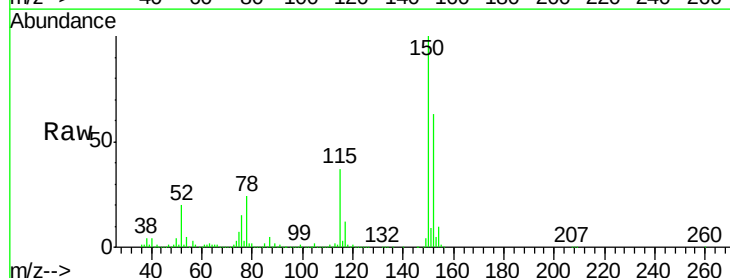
Manual Integrations
APPROVED

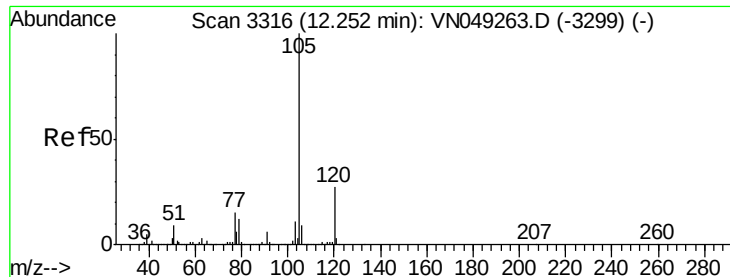
MMDadoda
6/18/2018 3:16:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion:152 Resp: 1020221
Ion Ratio Lower Upper
152 100
115 68.6 28.7 86.1
150 157.1 0.0 351.0





#73

Isopropylbenzene

Concen: 23.07 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

W-18

Tot Ion:105 Resp: 2066635

Ion Ratio Lower Upper

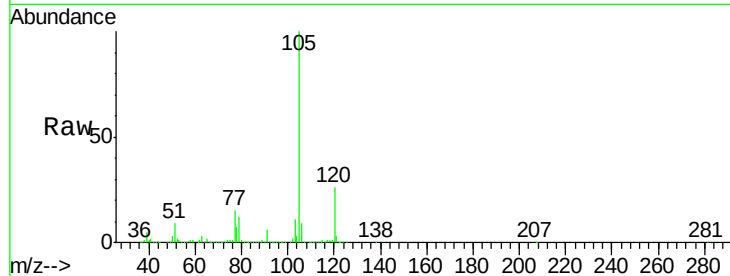
105 100

120 26.6 12.8 38.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

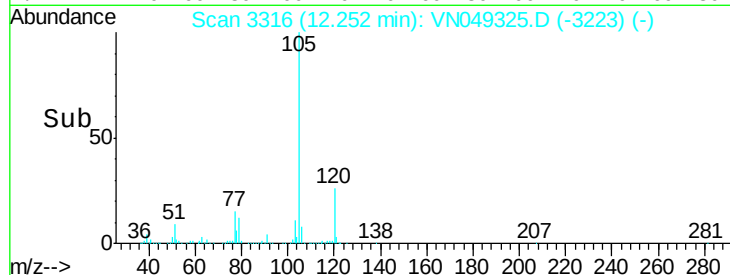
1500000

1200000

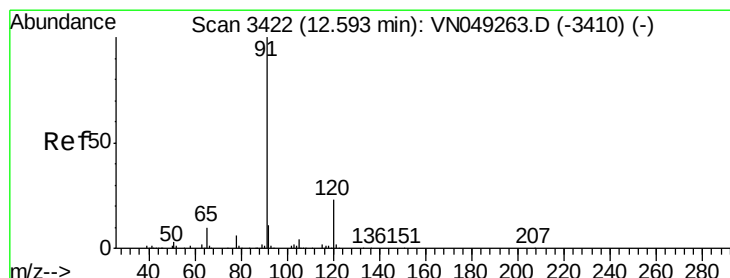
500000

0

Time-->



Time-->



#78

n-propylbenzene

Concen: 29.11 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049325.D

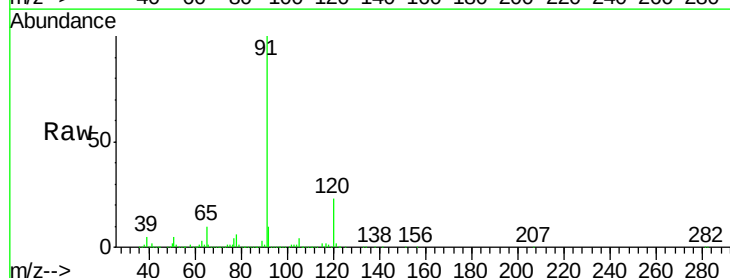
Acq: 16 Jun 2018 22:03

Tgt Ion: 91 Resp: 2862733

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

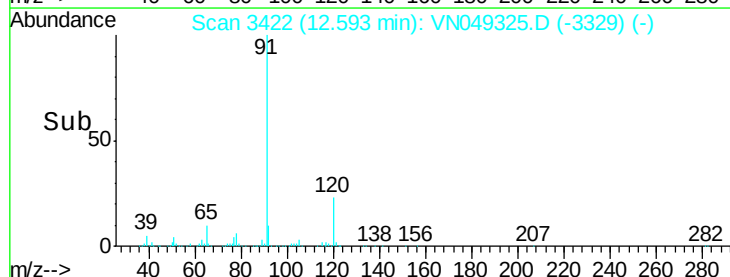
1500000

1000000

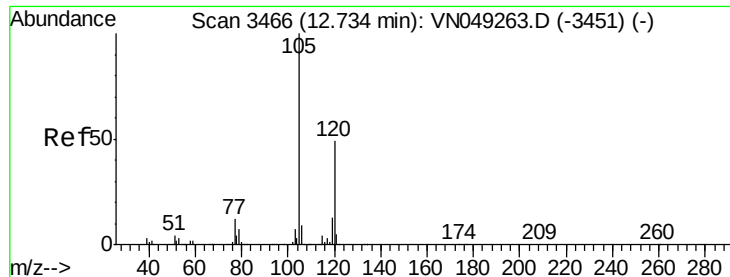
500000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 33.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

W-18

Tot Ion:105 Resp: 2333937

Ion Ratio Lower Upper

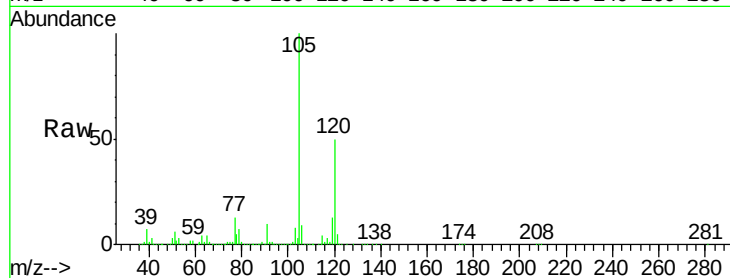
105 100

120 49.1 23.5 70.5

Manual Integrations
APPROVED

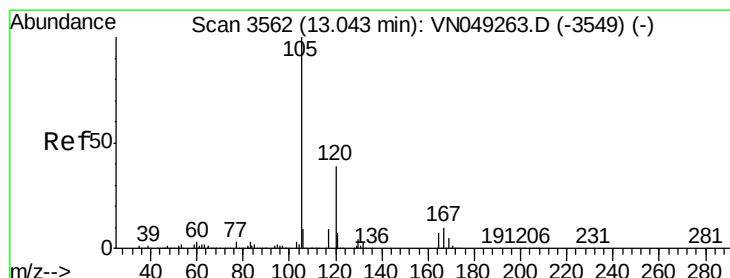
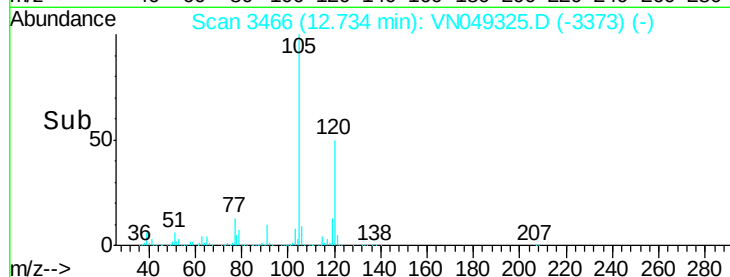
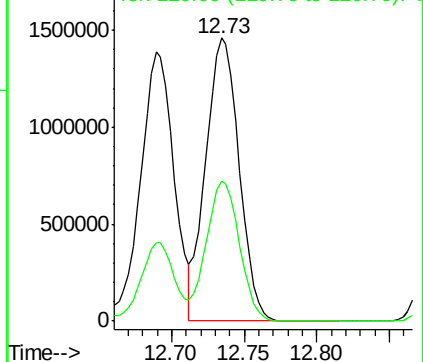
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 136.92 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049325.D

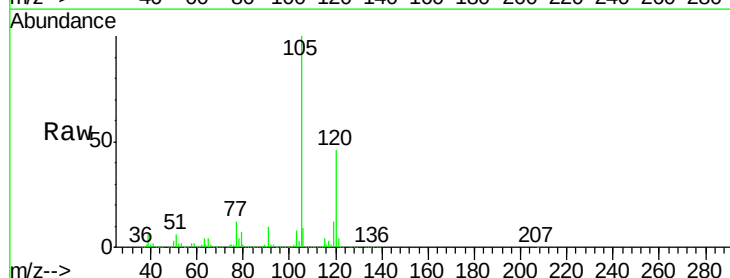
Acq: 16 Jun 2018 22:03

Tgt Ion:105 Resp: 9576630

Ion Ratio Lower Upper

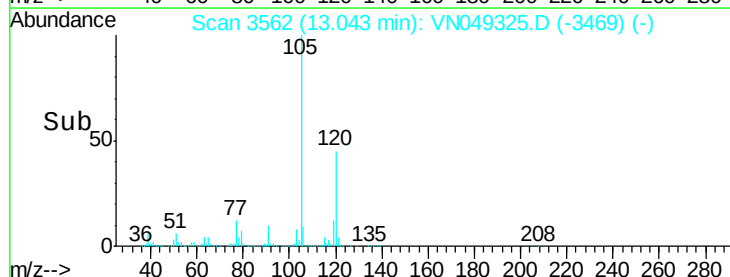
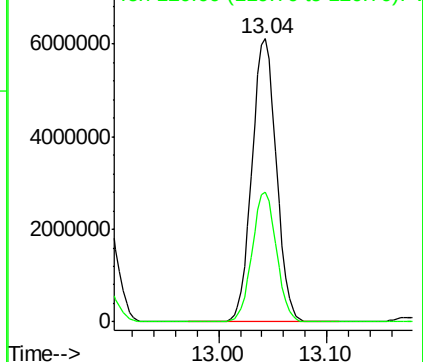
105 100

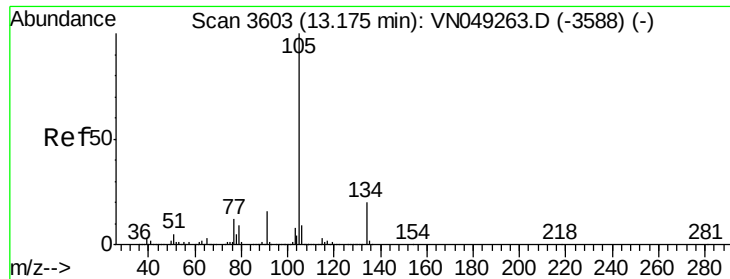
120 45.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.86 ug/l m

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

W-18

Tot Ion:105 Resp: 154336

Ion Ratio Lower Upper

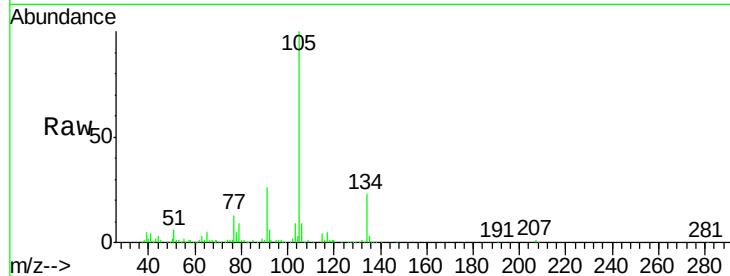
105 100

134 0.0 9.8 29.3#

Manual Integrations
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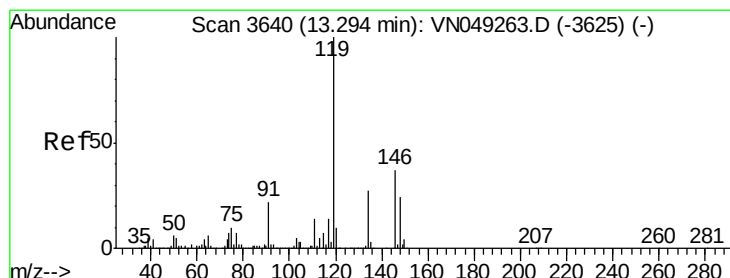
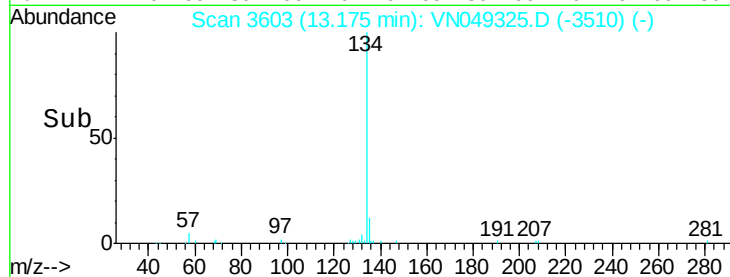
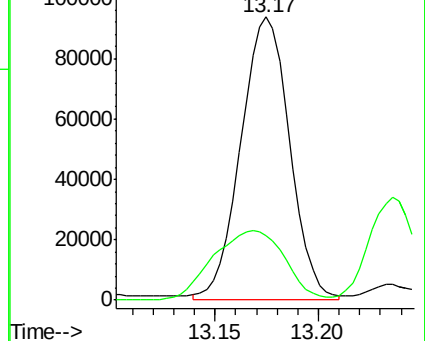
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.86 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

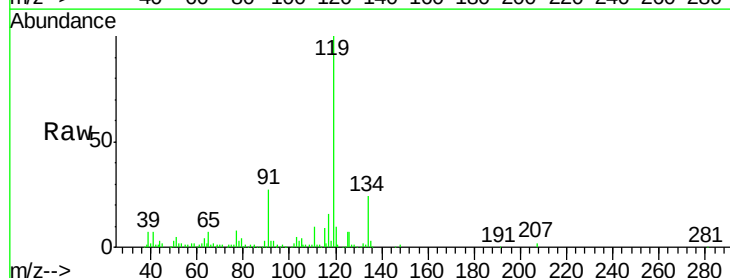
Tgt Ion:119 Resp: 129074

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

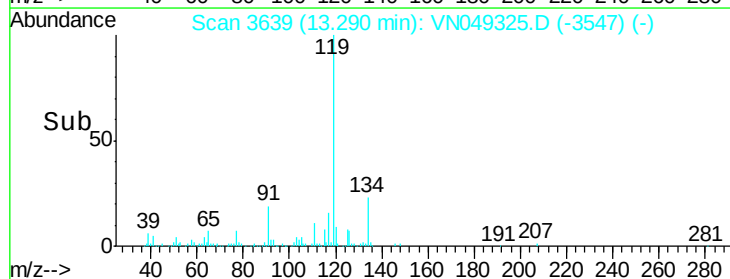
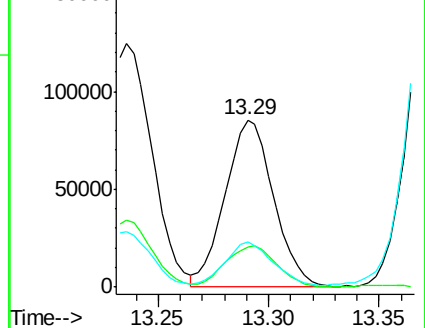
91 24.9 12.1 36.3

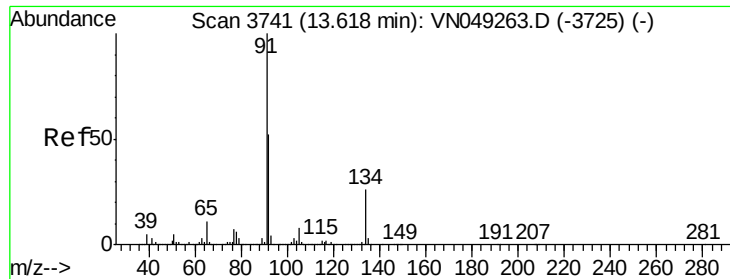


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





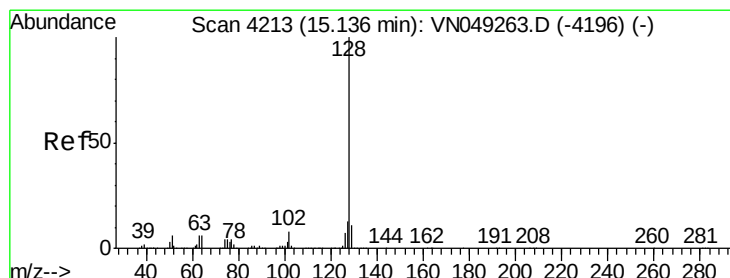
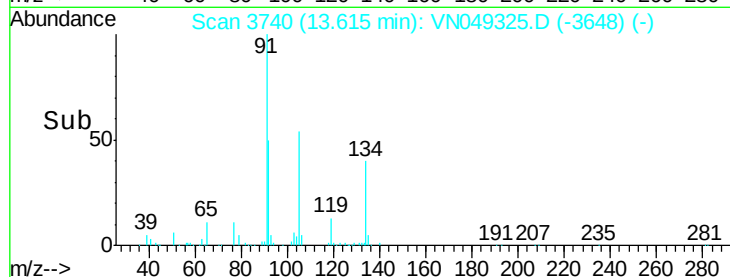
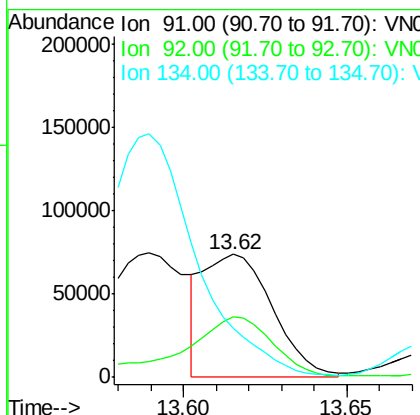
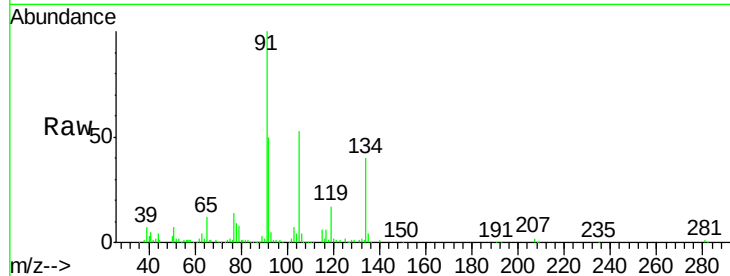
#89
n-Butylbenzene
Concen: 2.01 ug/l m
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Instrument :
MSVOA_N
ClientSampled :
W-18

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.1	75.4#
134	257.6	12.0	36.0#

Manual Integrations
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#95
Naphthalene
Concen: 6.42 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	11.3	8.5	12.7

