

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049228.D
 Acq On : 14 Jun 2018 15:24
 Operator : MD\SY
 Sample : J3435-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW8

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:23 PM

Quant Time: Jun 15 05:09:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	670638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1196011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1278946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	531319	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	421239	38.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.80%	
35) Dibromofluoromethane	7.59	113	373746	37.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.52%	
50) Toluene-d8	10.09	98	1532317	39.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.58%	
62) 4-Bromofluorobenzene	12.40	95	605615	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.05	76	6546	0.229	ug/l #	77
25) 2-Butanone	6.84	43	23715	6.401	ug/l #	88
31) Cyclohexane	7.65	56	728662	45.200	ug/l	98
39) Methylcyclohexane	9.08	83	257977	16.713	ug/l	97
40) Benzene	8.05	78	237927	5.255	ug/l	99
52) Toluene	10.16	92	645877	24.520	ug/l	98
67) Ethyl Benzene	11.51	91	6920961	121.594	ug/l	99
68) m/p-Xylenes	11.62	106	4367903	209.851	ug/l	100
69) o-Xylene	11.95	106	1495281	74.595	ug/l	99
73) Isopropylbenzene	12.25	105	630745	12.360	ug/l	97
78) n-propylbenzene	12.59	91	1362781	24.038	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	943272	24.107	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4517120	116.144	ug/l	100
85) sec-Butylbenzene	13.17	105	108644m	2.418	ug/l	
89) n-Butylbenzene	13.62	91	69404	3.666	ug/l #	62
95) Naphthalene	15.14	128	909681	49.378	ug/l	100

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

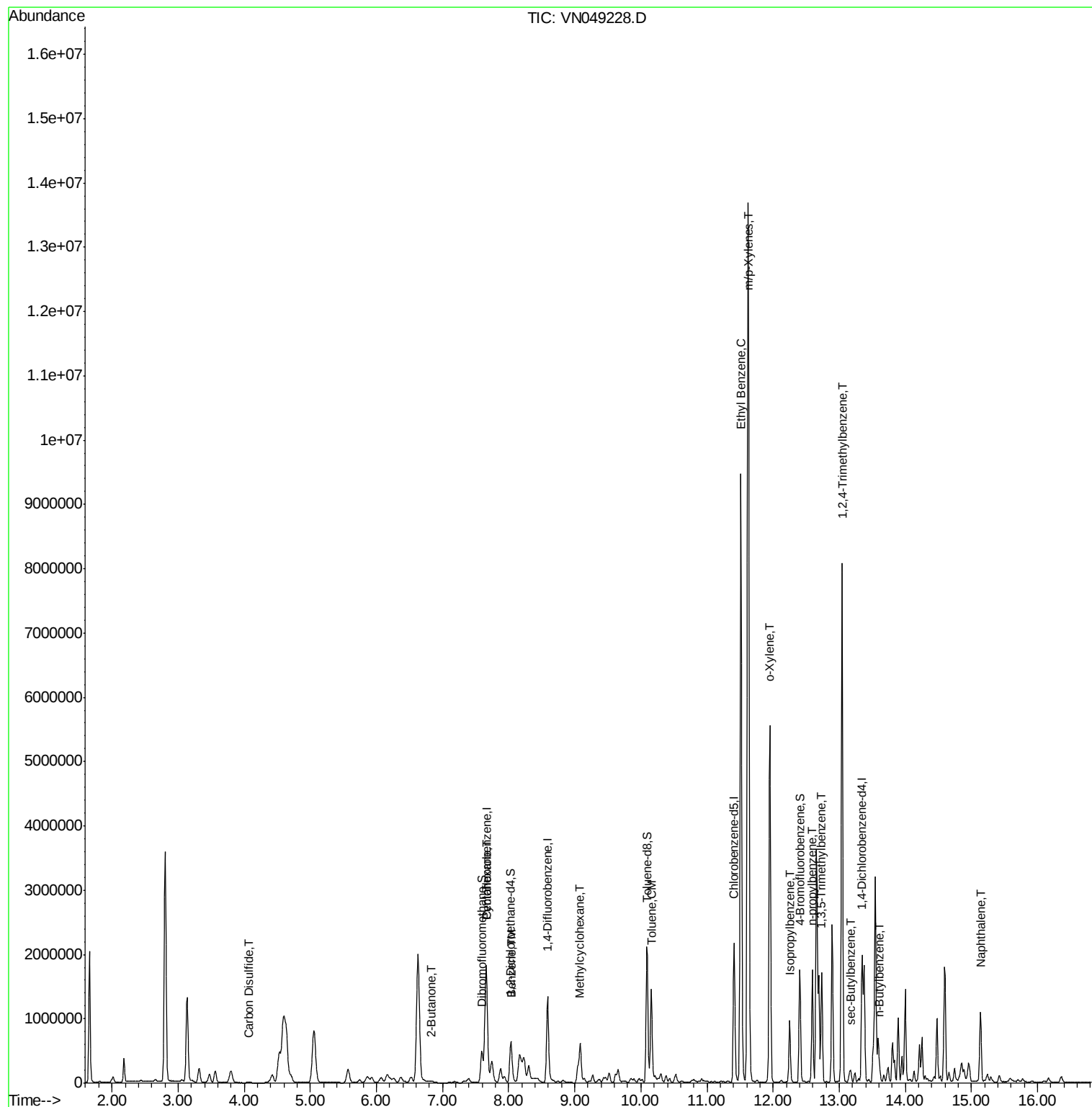
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049228.D
Acq On : 14 Jun 2018 15:24
Operator : MD\SY
Sample : J3435-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

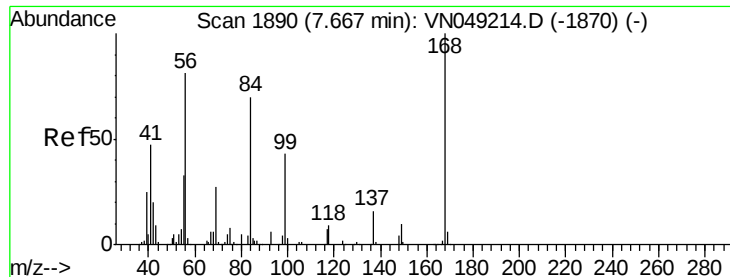
Instrument :
MSVOA_N
ClientSampleId :
MW8

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Quant Time: Jun 15 05:09:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 05:15:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

MW8

Tot Ion:168 Resp: 670638

Ion Ratio Lower Upper

168 100

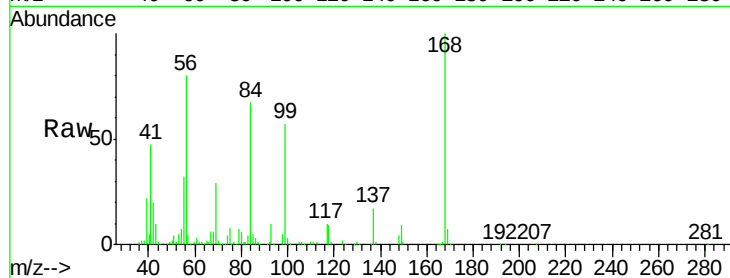
99 56.9 45.8 68.6

Manual Integrations

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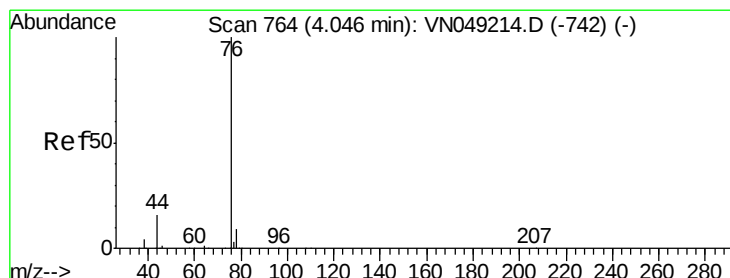
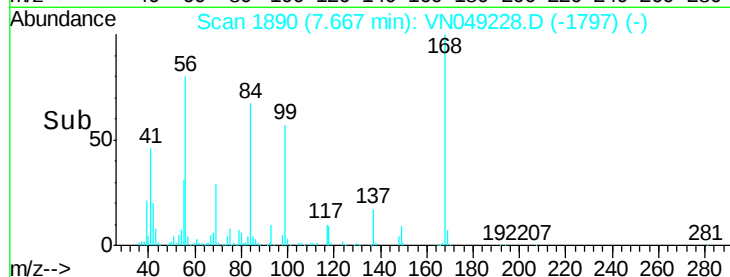
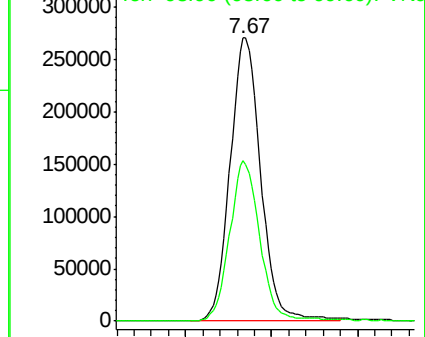
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.01 min

Lab File: VN049228.D

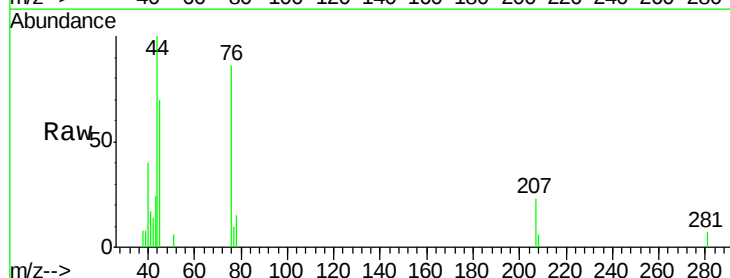
Acq: 14 Jun 2018 15:24

Tgt Ion: 76 Resp: 6546

Ion Ratio Lower Upper

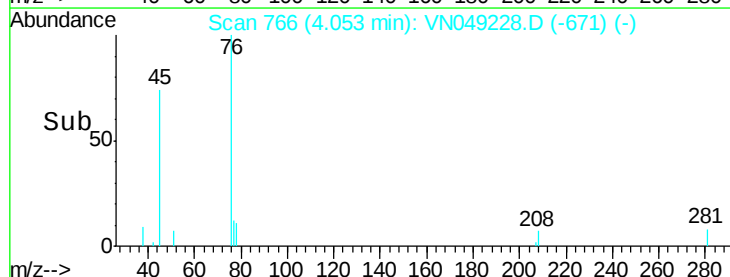
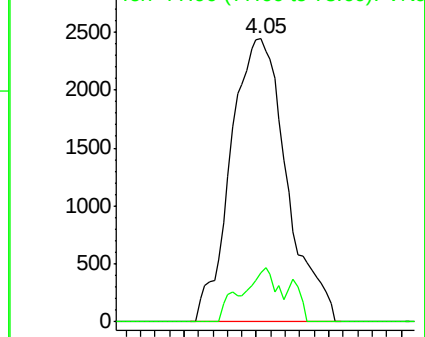
76 100

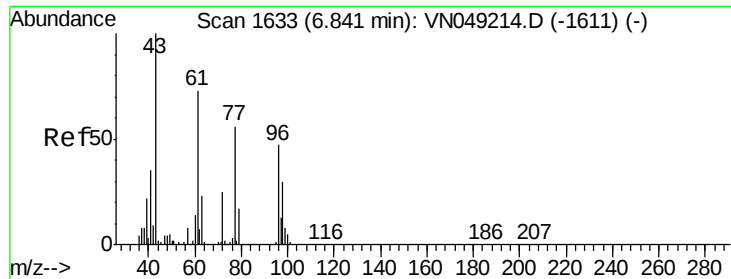
78 17.5 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN

Ion 77.90 (77.60 to 78.60): VN





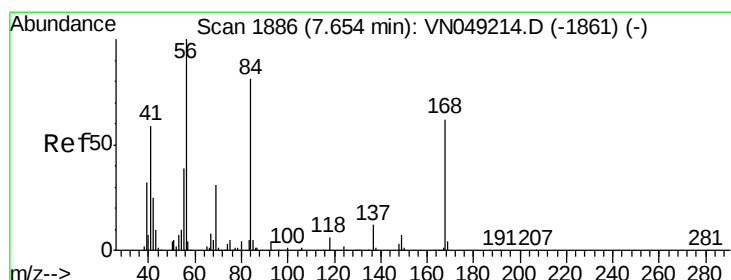
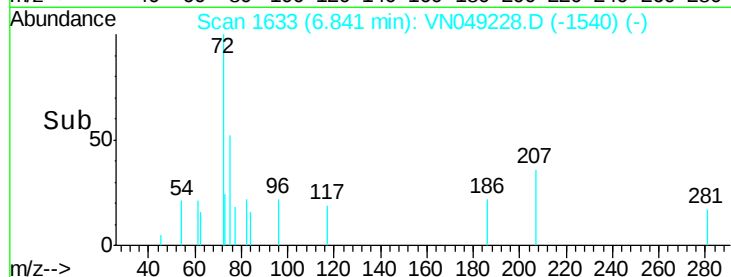
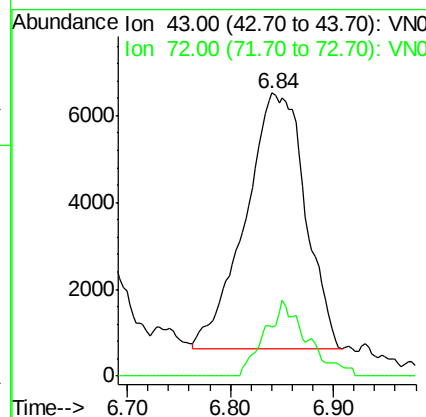
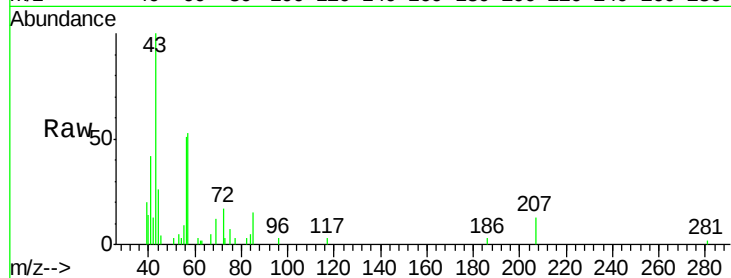
#25
2-Butanone
Concen: 6.401 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :
MW8

Tot Ion: 43 Resp: 23715
Ion Ratio Lower Upper
43 100
72 19.2 20.2 30.2#

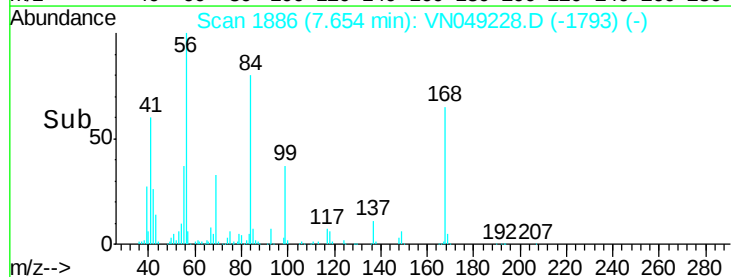
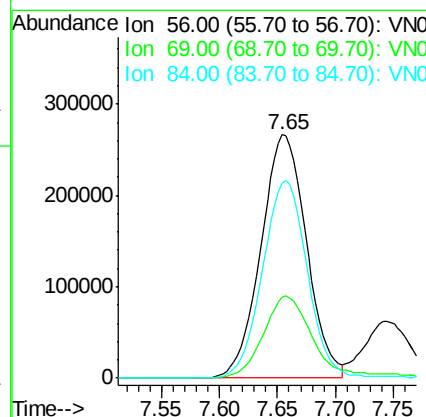
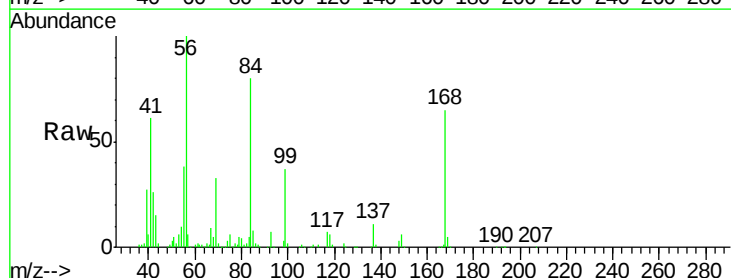
Manual Integrations
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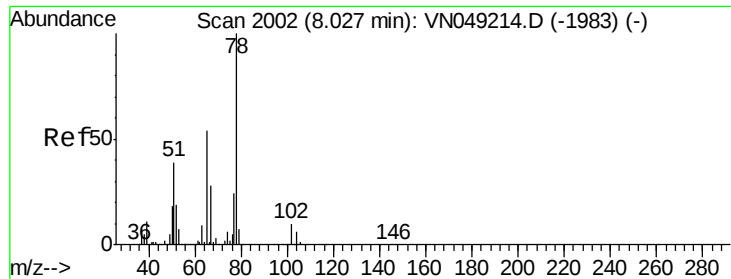
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#31
Cyclohexane
Concen: 45.200 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 56 Resp: 728662
Ion Ratio Lower Upper
56 100
69 33.0 25.0 37.4
84 80.0 64.6 96.8





#33

1,2-Dichloroethane-d4

Concen: 38.901 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampled :

MW8

Tot Ion: 65 Resp: 421239

Ion Ratio Lower Upper

65 100

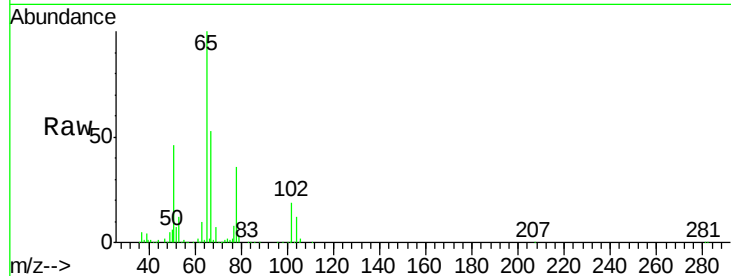
67 52.5 0.0 103.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN049228.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049228.D (-1983) (-)

8.03

200000

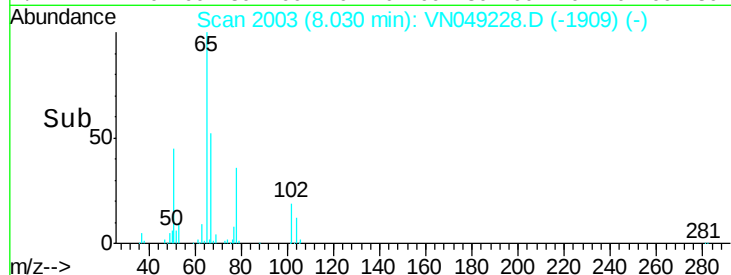
150000

100000

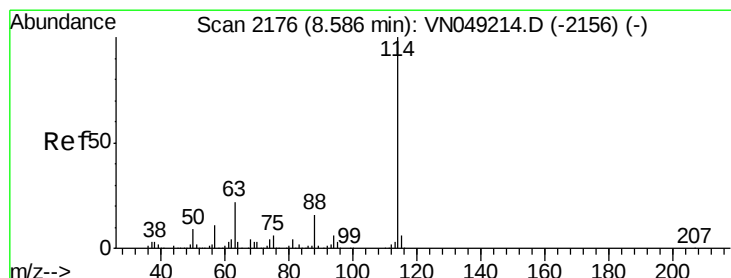
50000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

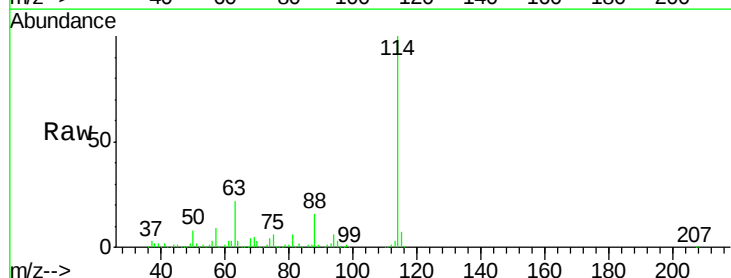
Tgt Ion: 114 Resp: 1196011

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.4

88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049228.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049228.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049228.D (-2156) (-)

8.59

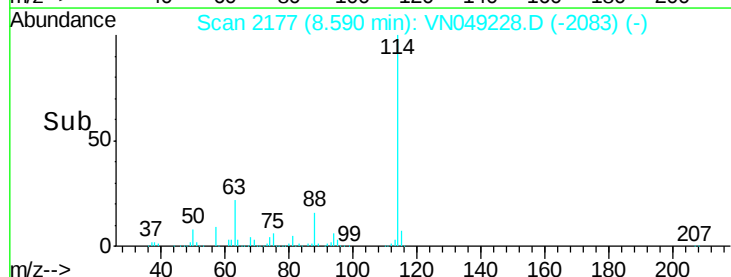
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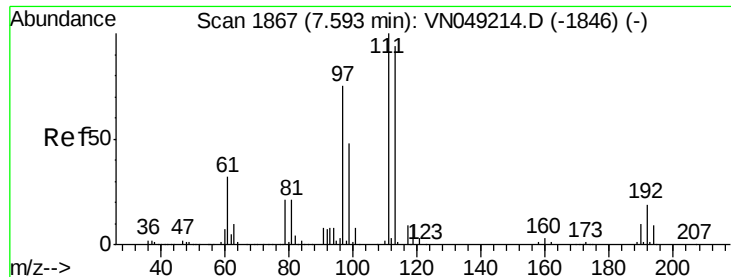
400000

200000

0

Time-->





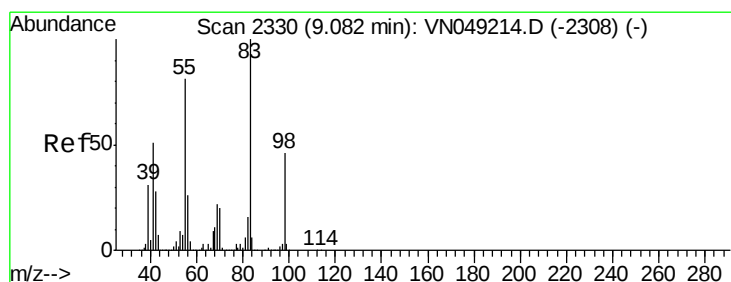
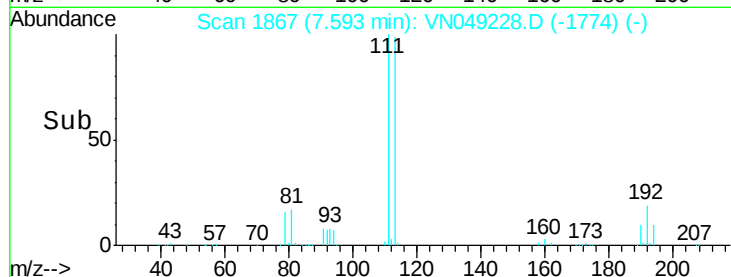
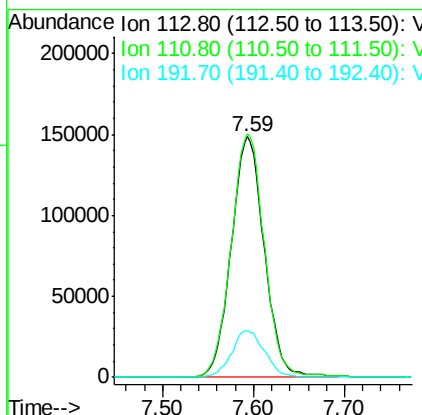
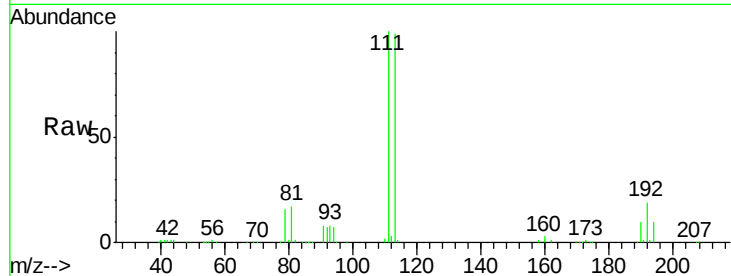
#35
Dibromofluoromethane
Concen: 37.755 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
MW8

Tot Ion	Ratio	Resp	Lower	Upper
113	100	373746		
111	101.1	82.4	123.6	
192	19.6	15.0	22.6	

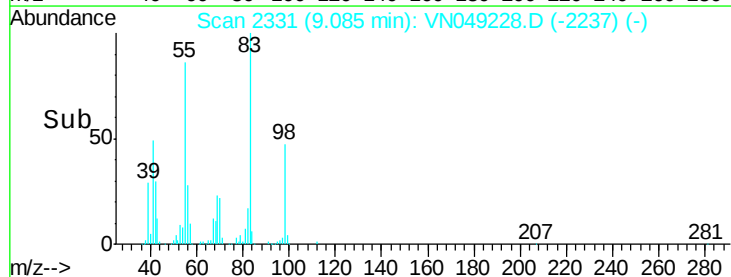
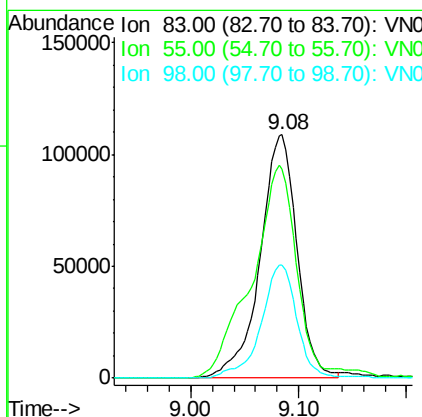
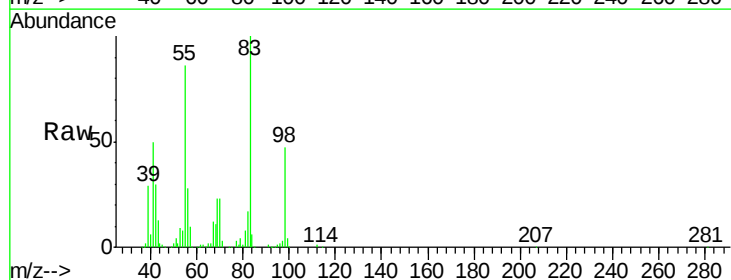
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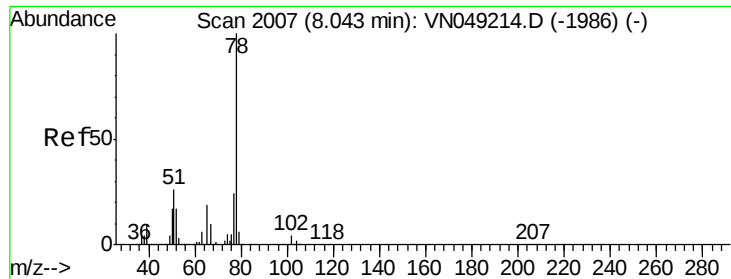
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#39
Methylcyclohexane
Concen: 16.713 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	257977		
55	85.5	65.1	97.7	
98	46.5	36.5	54.7	





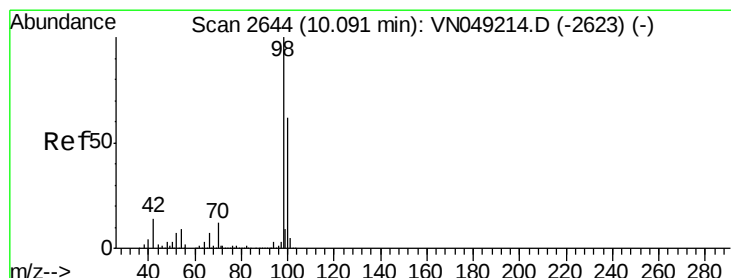
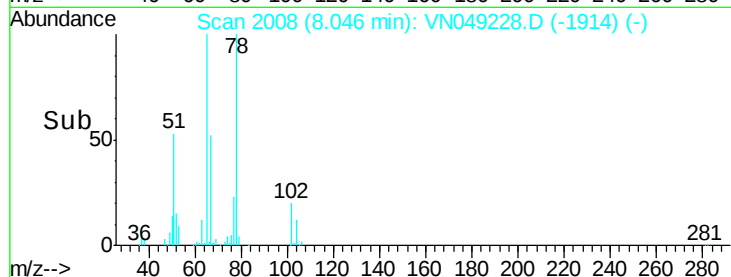
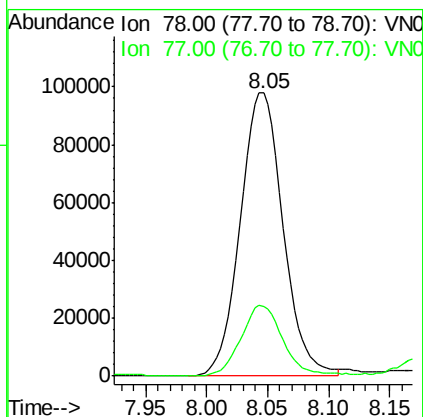
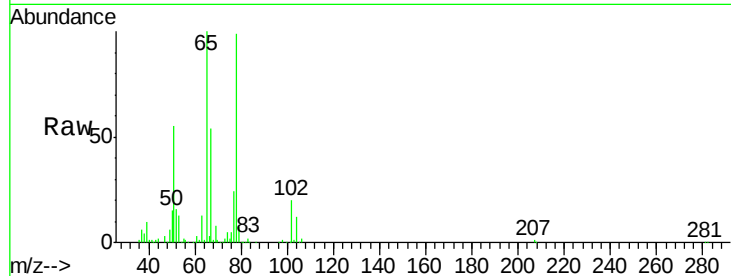
#40
Benzene
Concen: 5.255 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :
MW8

Tot Ion	Ion	Ratio	Lower	Upper
78	78	100		
77	77	24.5	19.4	29.0

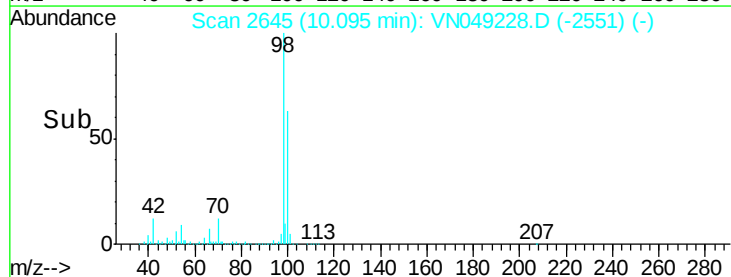
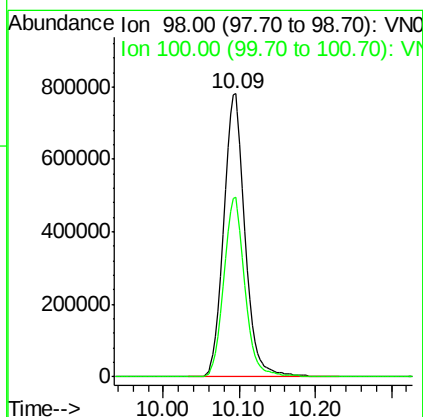
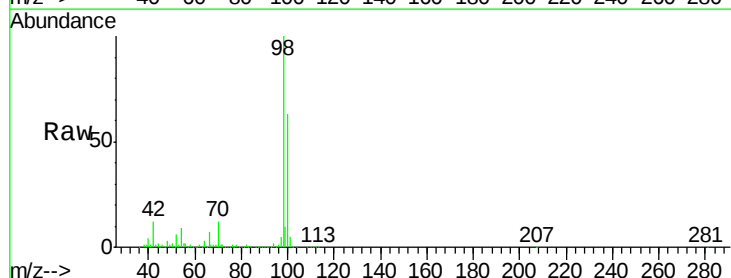
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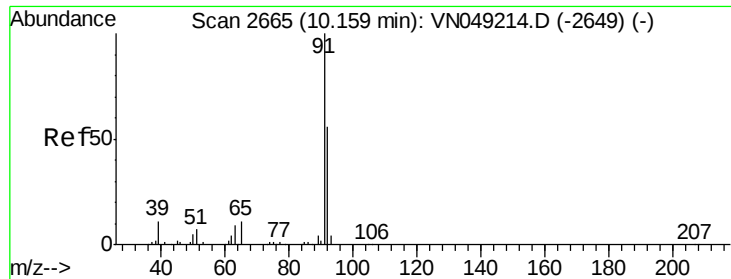
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#50
Toluene-d8
Concen: 39.791 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion	Ion	Ratio	Lower	Upper
98	98	100		
100	100	62.8	49.8	74.8





#52

Toluene

Concen: 24.520 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

MW8

Tot Ion: 92 Resp: 645877

Ion Ratio Lower Upper

92 100

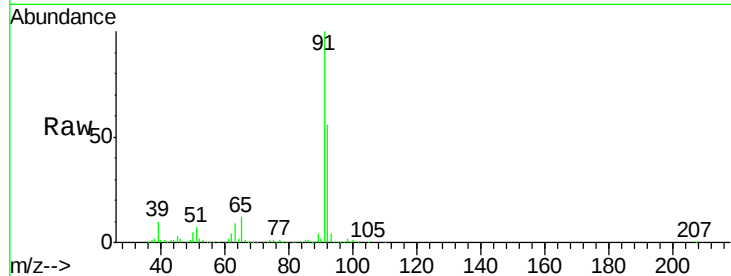
91 177.1 143.4 215.2

Manual Integrations

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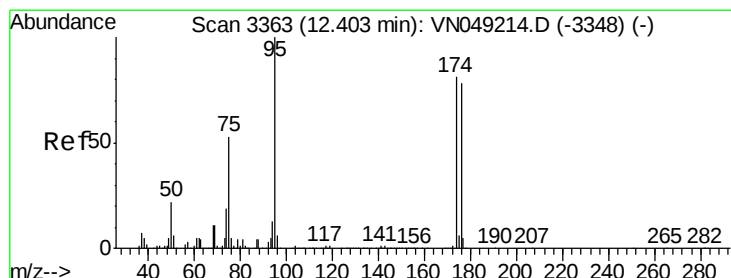
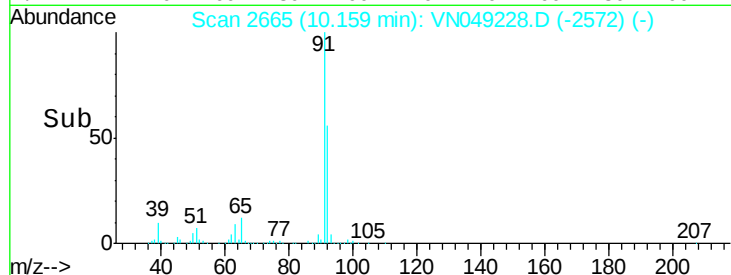


Abundance Ion 92.00 (91.70 to 92.70): VN049214.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049214.D (-2649) (-)

10.16

Time-->



#62

4-Bromofluorobenzene

Concen: 47.385 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

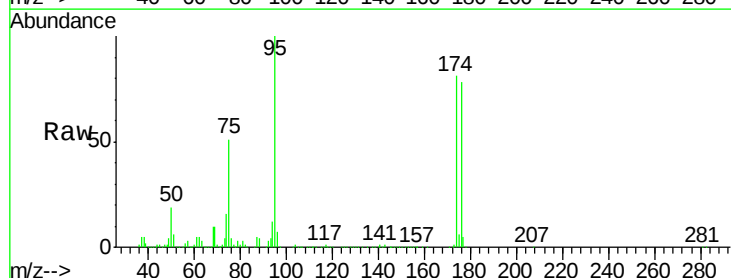
Tgt Ion: 95 Resp: 605615

Ion Ratio Lower Upper

95 100

174 81.8 0.0 165.6

176 79.1 0.0 157.4



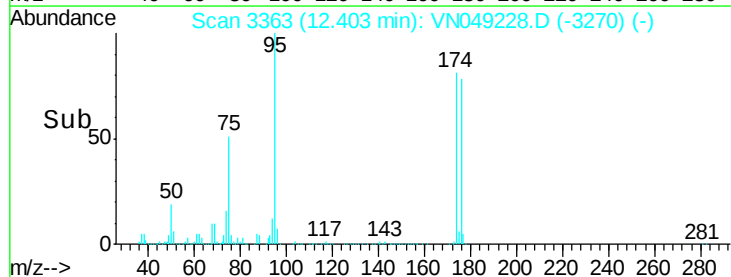
Abundance Ion 94.90 (94.60 to 95.60): VN049214.D (-3348) (-)

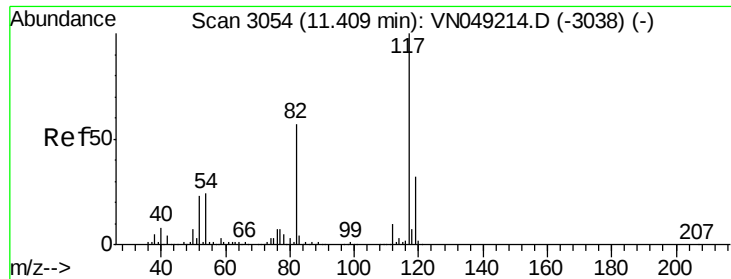
Ion 173.80 (173.50 to 174.50): VN049214.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049214.D (-3348) (-)

12.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampled :

MW8

Tot Ion:117 Resp: 1278946

Ion Ratio Lower Upper

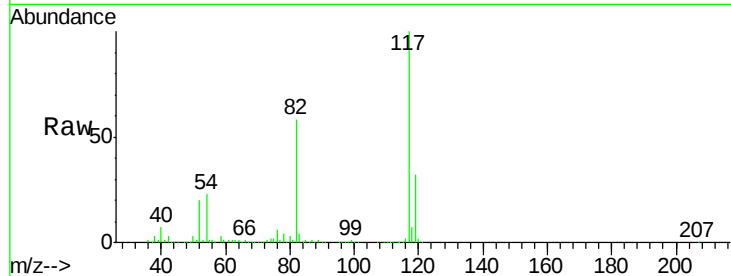
117 100

82 57.8 45.9 68.9

119 31.9 25.5 38.3

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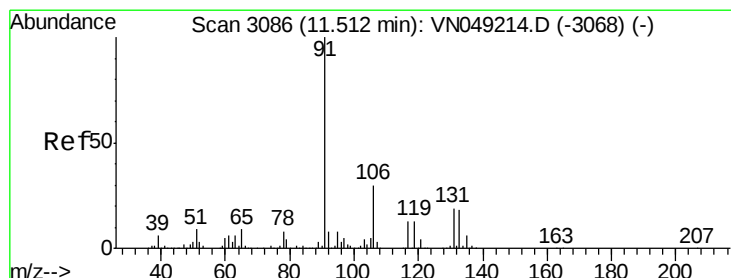
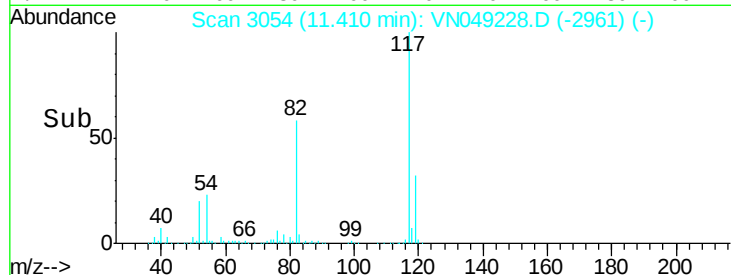
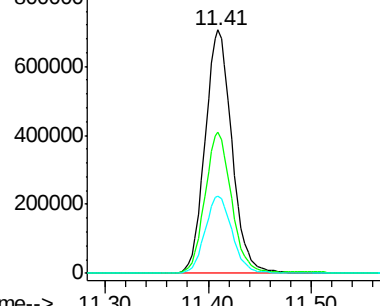
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 121.594 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049228.D

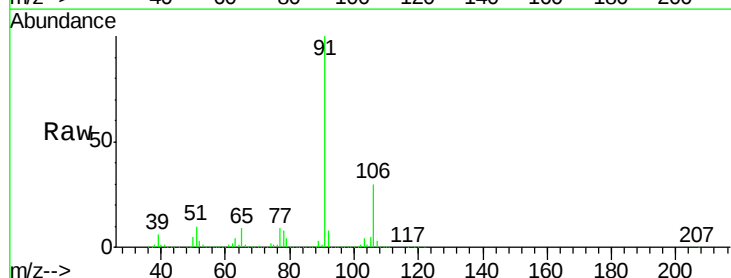
Acq: 14 Jun 2018 15:24

Tgt Ion: 91 Resp: 6920961

Ion Ratio Lower Upper

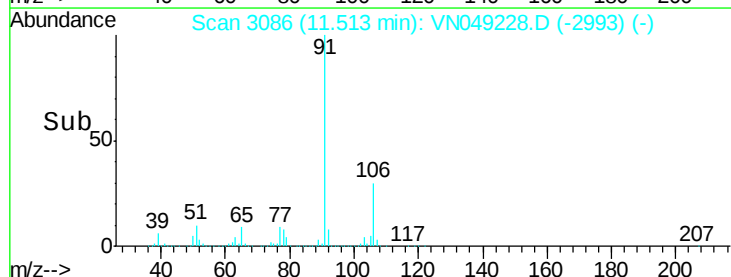
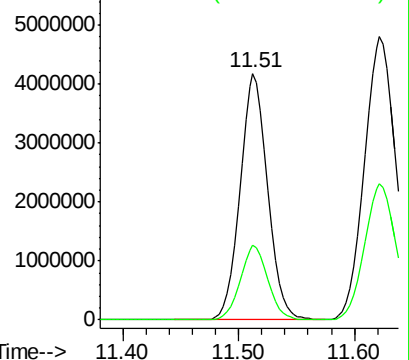
91 100

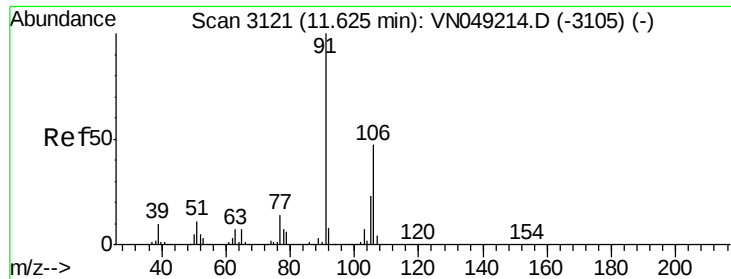
106 30.4 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





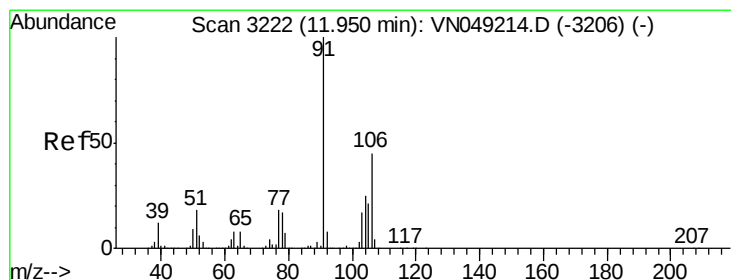
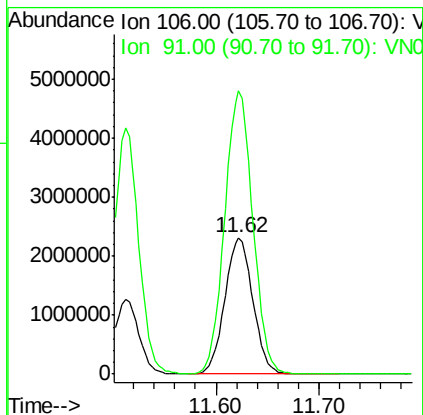
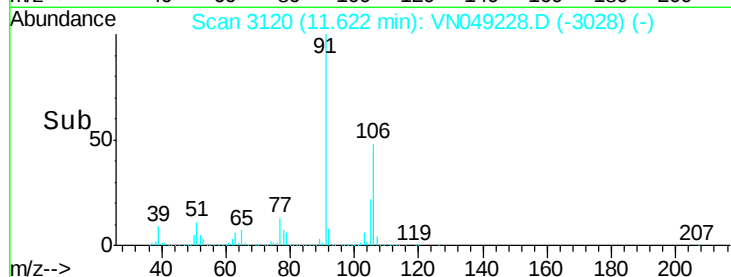
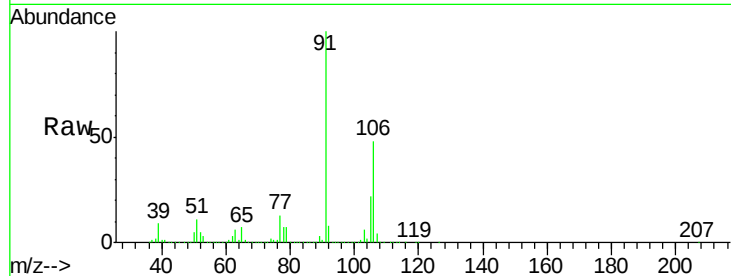
#68
m/p-Xylenes
Concen: 209.851 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :
MW8

Tot Ion:106 Resp: 4367903
Ion Ratio Lower Upper
106 100
91 208.6 167.3 250.9

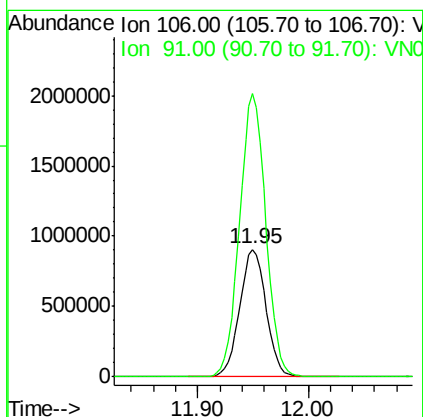
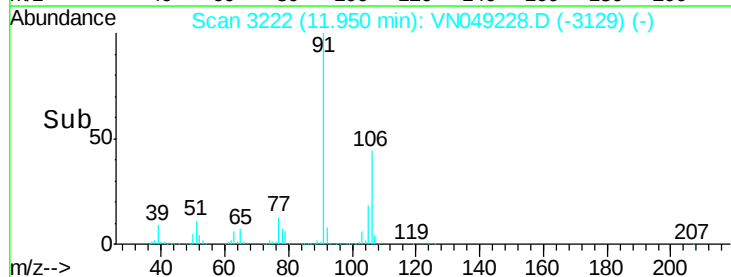
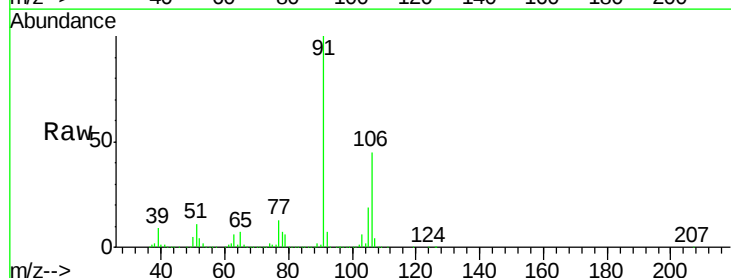
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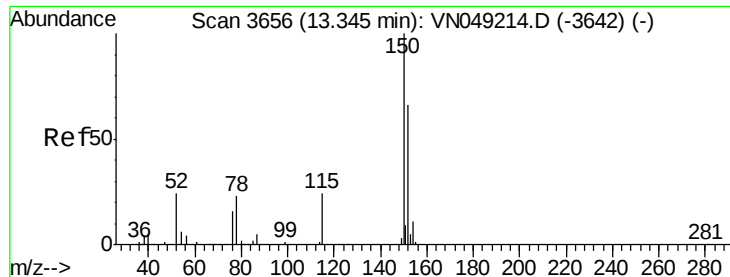
MMDadoda
6/15/2018 1:15:23 PM



#69
o-Xylene
Concen: 74.595 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion:106 Resp: 1495281
Ion Ratio Lower Upper
106 100
91 221.2 111.0 333.0





#72

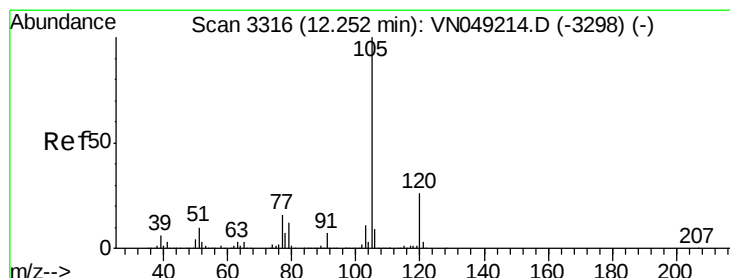
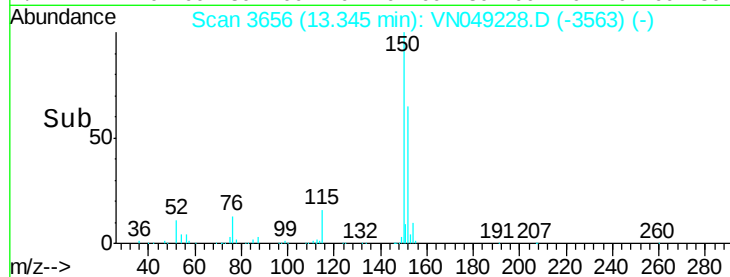
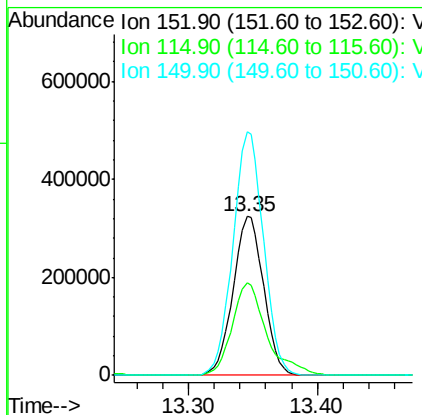
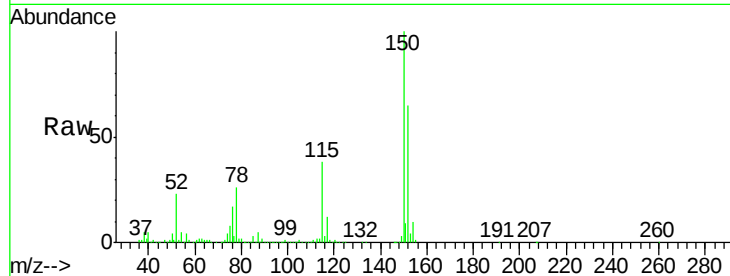
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
MW8

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.7	28.7	86.1
150	153.5	0.0	351.0

Manual Integrations
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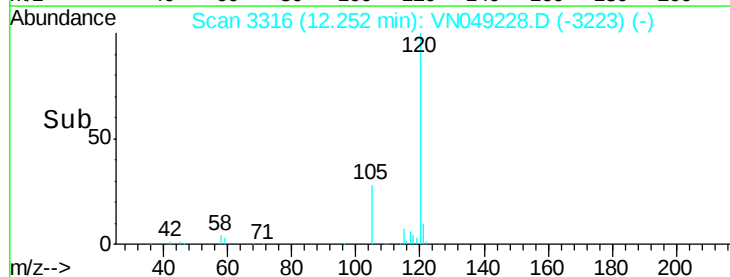
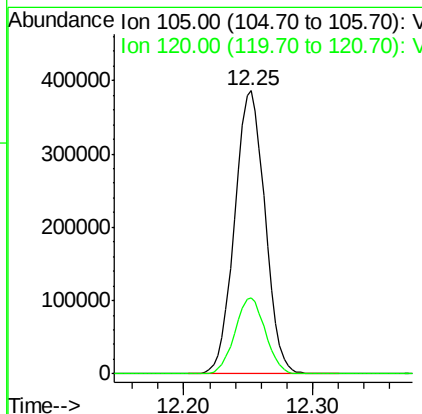
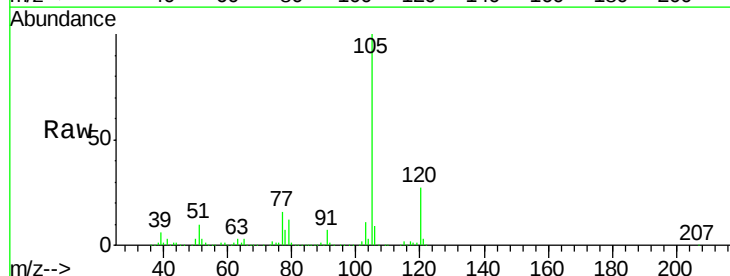
MMDadoda
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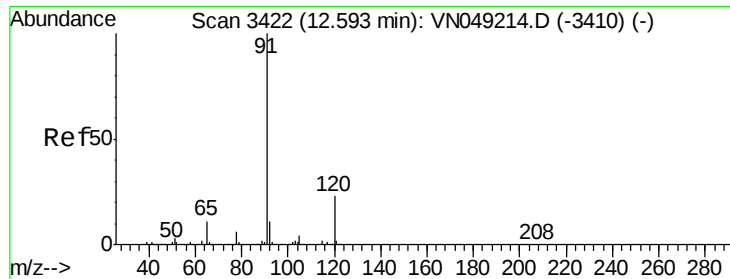


#73

Isopropylbenzene
Concen: 12.360 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	12.8	38.3





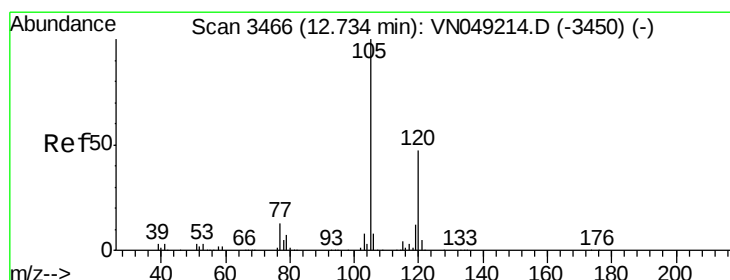
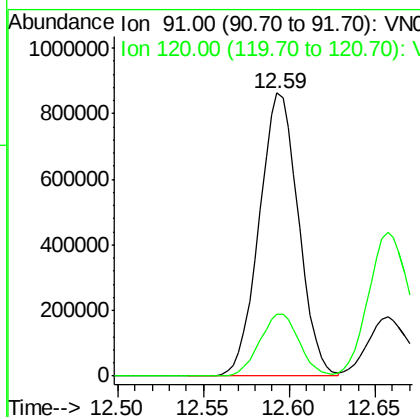
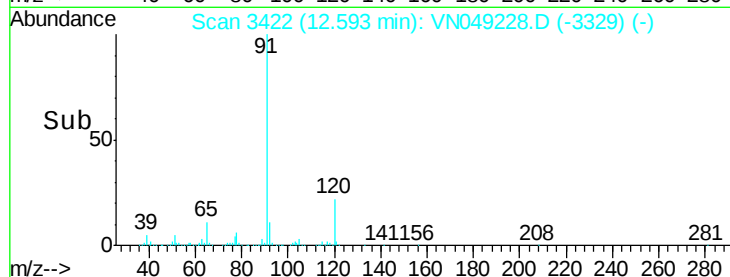
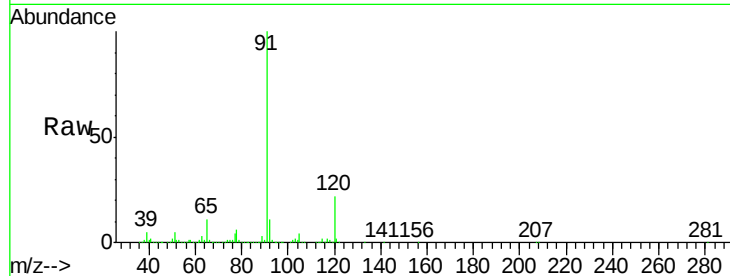
#78
n-propylbenzene
Concen: 24.038 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :
MW8

Tot Ion: 91 Resp: 1362781
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.5

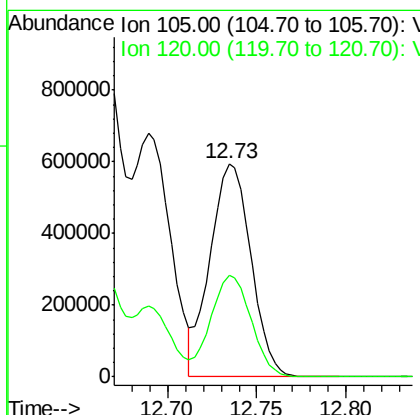
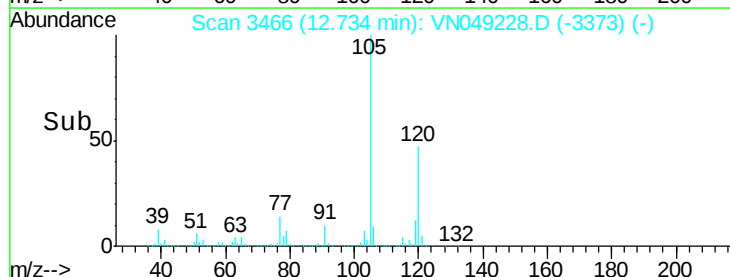
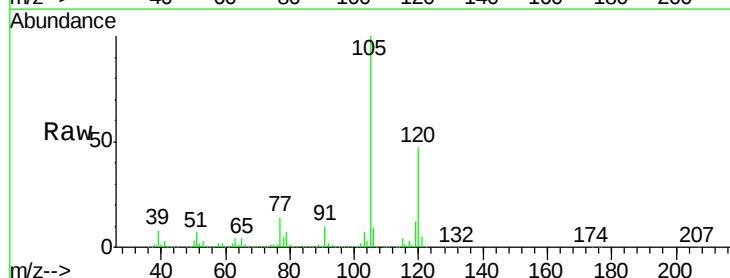
Manual Integrations
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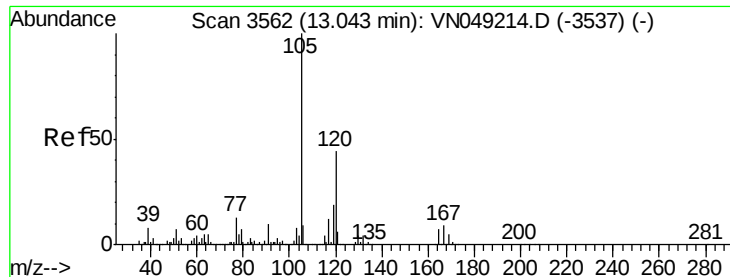
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#80
1,3,5-Trimethylbenzene
Concen: 24.107 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 105 Resp: 943272
Ion Ratio Lower Upper
105 100
120 47.1 23.5 70.5





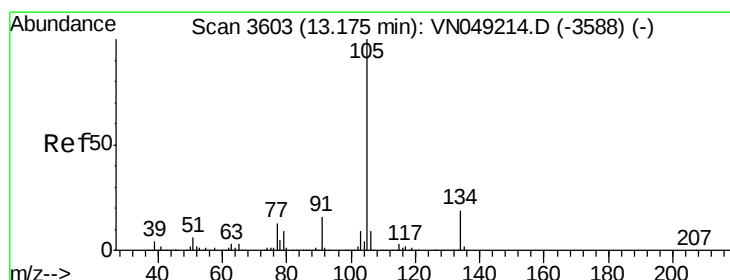
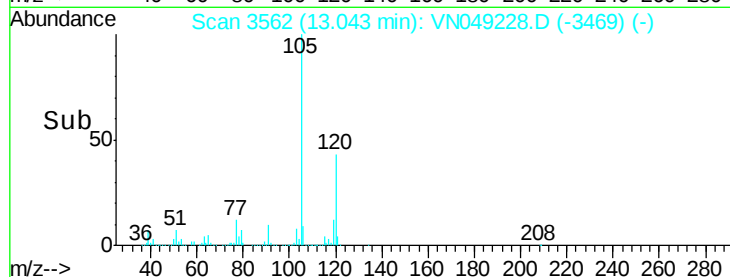
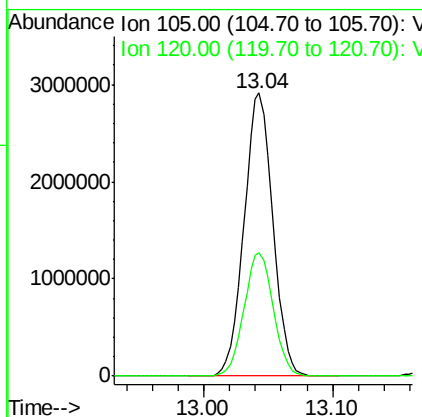
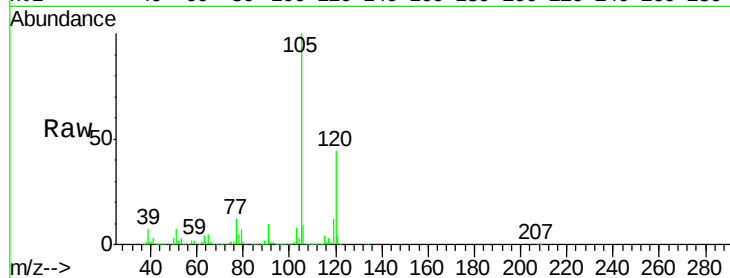
#84
 1,2,4-Trimethylbenzene
 Concen: 116.144 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW8

Tot Ion:105 Resp: 4517120
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.2 66.6

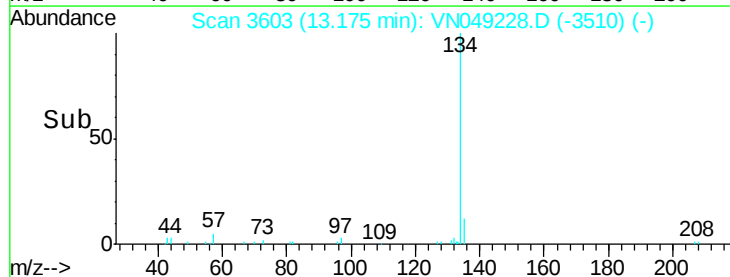
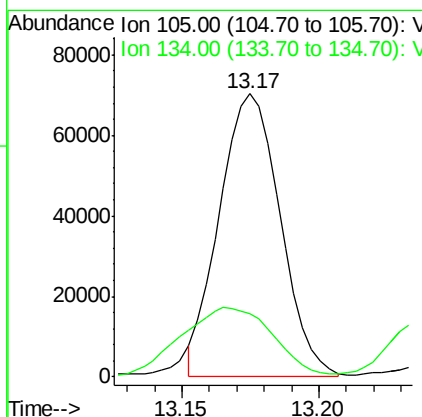
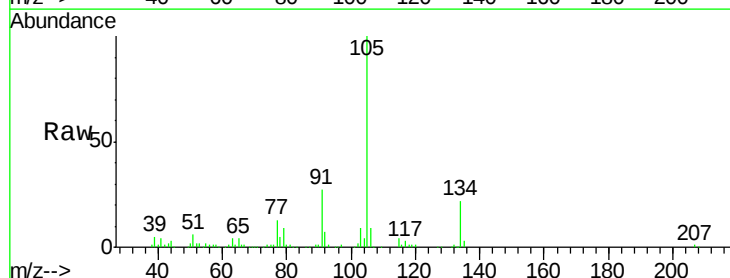
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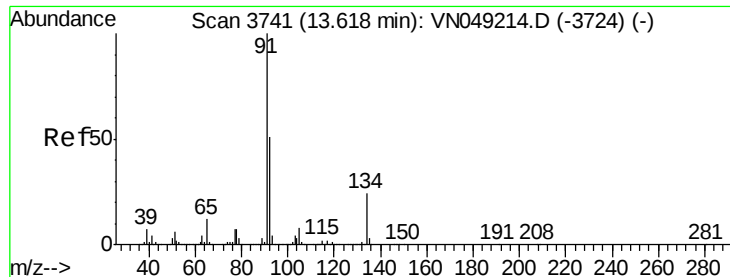
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#85
 sec-Butylbenzene
 Concen: 2.418 ug/l m
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

Tgt Ion:105 Resp: 108644
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#





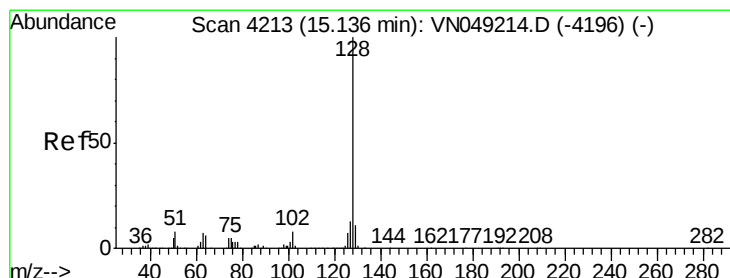
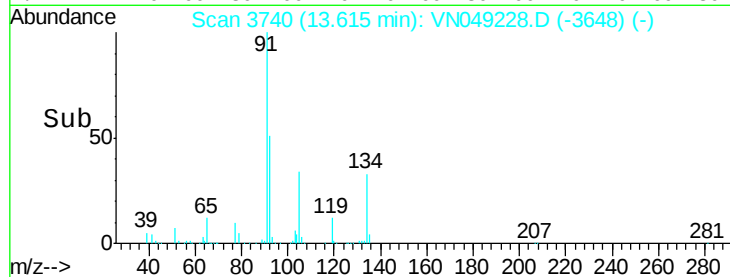
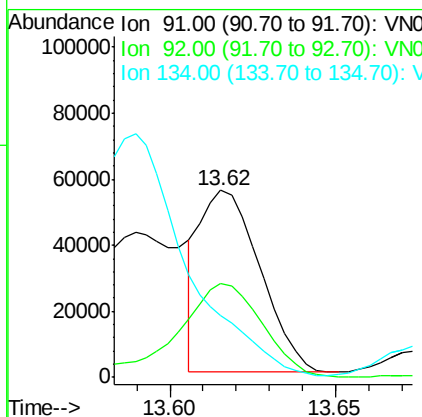
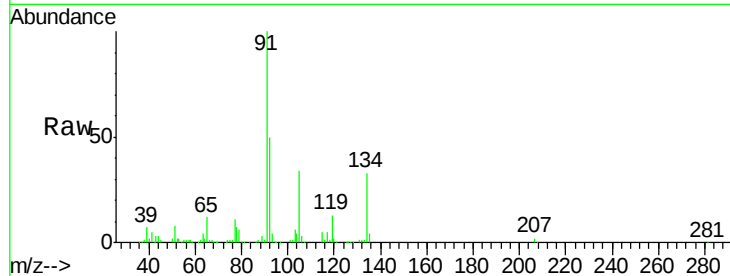
#89
n-Butylbenzene
Concen: 3.666 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :
MW8

Tot Ion	Ratio	Lower	Upper
91	100		
92	72.6	25.1	75.4
134	0.0	12.0	36.0

Manual Integrations
APPROVED

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6/15/2018 1:15:23 PM



#95
Naphthalene
Concen: 49.378 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.7	8.5	12.7

