

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049224.D
 Acq On : 14 Jun 2018 13:41
 Operator : MD\SY
 Sample : J3435-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NW4

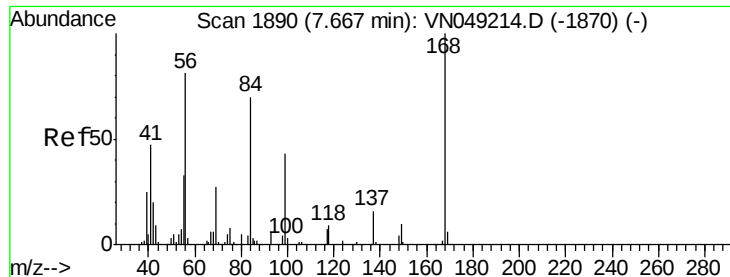
Manual Integrations
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 6/15/2018 1:15:21 PM

Quant Time: Jun 15 04:28:46 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	587468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1123775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1182809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	486815	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	397755	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	
35) Dibromofluoromethane	7.59	113	356799	38.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.72%	
50) Toluene-d8	10.09	98	1397262	38.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.24%	
62) 4-Bromofluorobenzene	12.40	95	523352	43.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	52008	22.946	ug/l	97
17) Carbon Disulfide	4.05	76	21846	0.873	ug/l	98
25) 2-Butanone	6.85	43	34010	10.479	ug/l	92
31) Cyclohexane	7.65	56	150037	10.344	ug/l #	95
39) Methylcyclohexane	9.08	83	382055	26.342	ug/l	99
59) 2-Hexanone	10.76	43	4825	0.892	ug/l	92
67) Ethyl Benzene	11.51	91	80563	1.530	ug/l	99
68) m/p-Xylenes	11.63	106	32953	1.712	ug/l	97
69) o-Xylene	11.95	106	4567	0.246	ug/l	80
73) Isopropylbenzene	12.25	105	89248	1.909	ug/l	99
78) n-propylbenzene	12.59	91	992500	19.107	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	561302	15.656	ug/l	100
83) tert-Butylbenzene	13.00	119	16807	0.544	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	744414	20.890	ug/l	99
85) sec-Butylbenzene	13.17	105	219013	5.319	ug/l #	66
86) p-Isopropyltoluene	13.29	119	104412	3.131	ug/l	99
89) n-Butylbenzene	13.62	91	141518m	6.253	ug/l	
95) Naphthalene	15.14	128	91188	10.224	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampleId :

NW4

Tot Ion:168 Resp: 587468

Ion Ratio Lower Upper

168 100

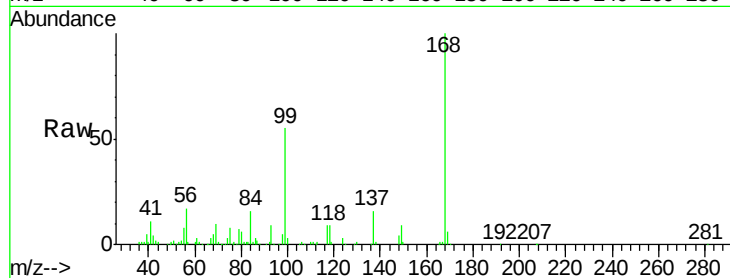
99 55.3 45.8 68.6

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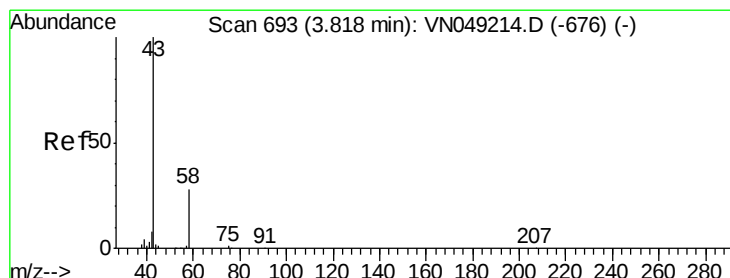
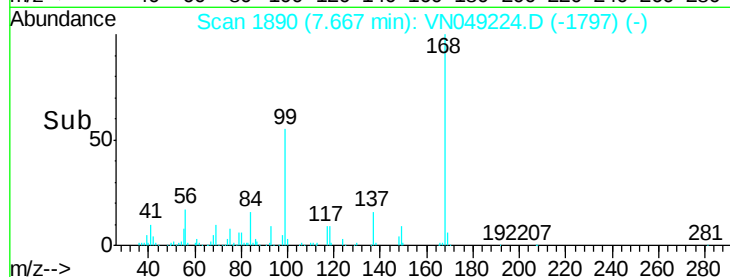
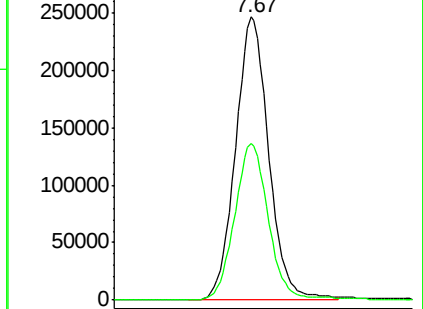
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 22.946 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN049224.D

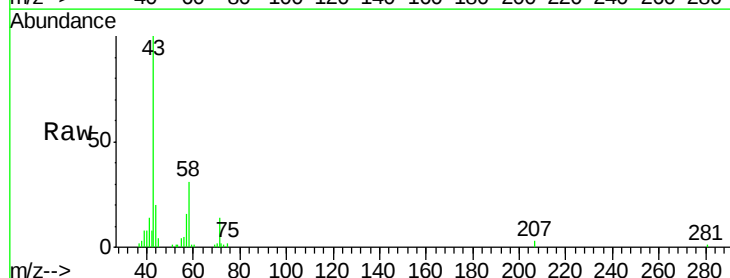
Acq: 14 Jun 2018 13:41

Tgt Ion: 43 Resp: 52008

Ion Ratio Lower Upper

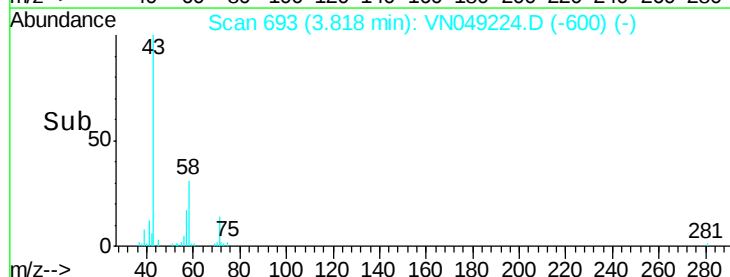
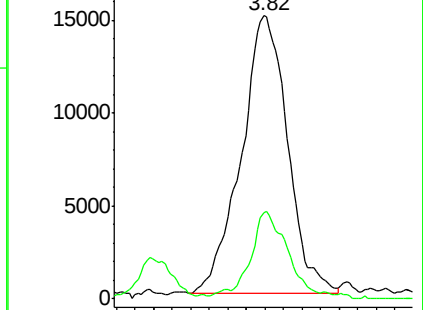
43 100

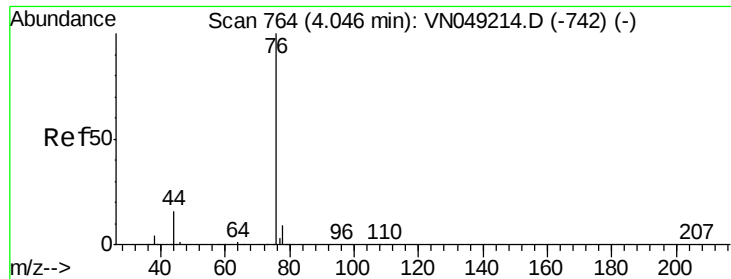
58 29.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





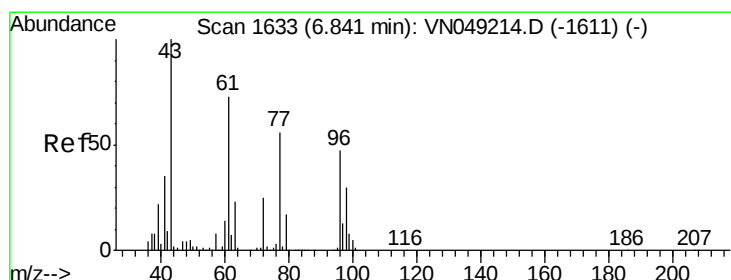
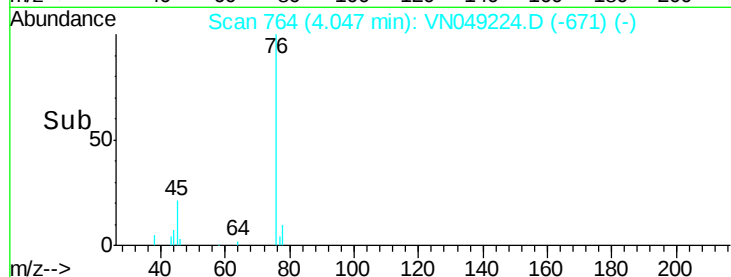
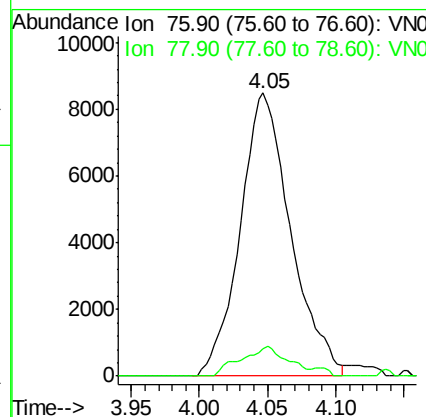
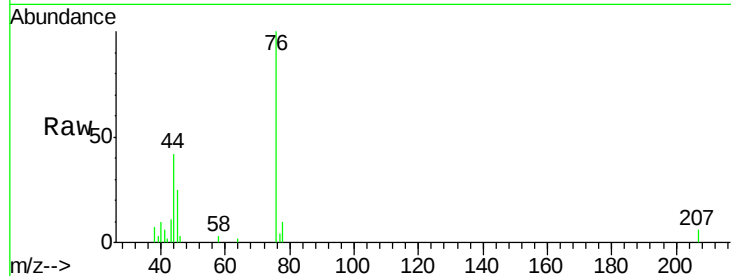
#17
Carbon Disulfide
Concen: 0.873 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampleId :
NW4

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0

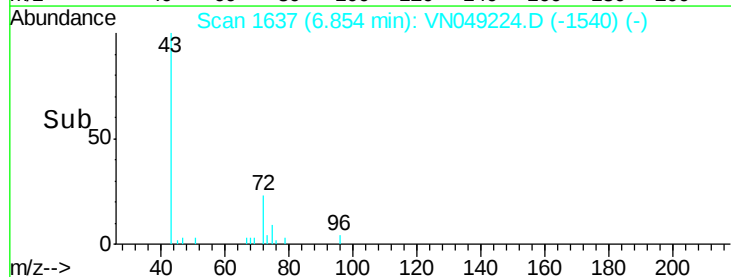
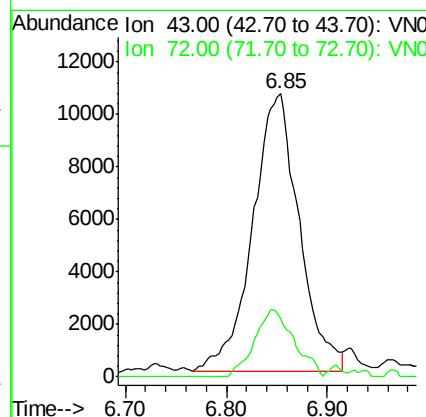
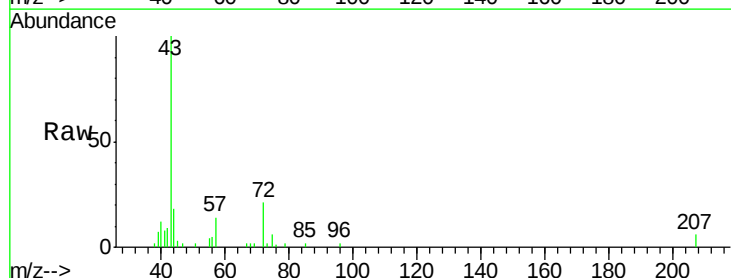
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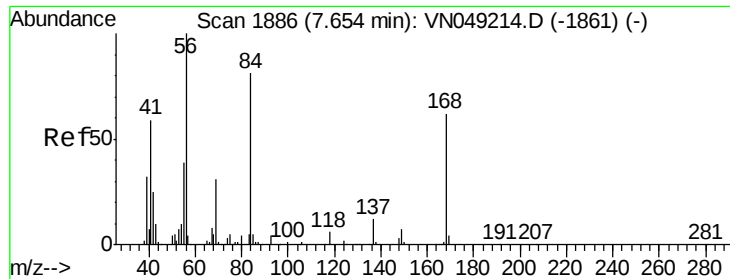
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#25
2-Butanone
Concen: 10.479 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	20.2	30.2





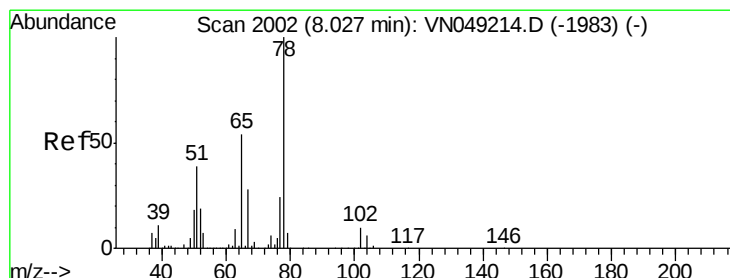
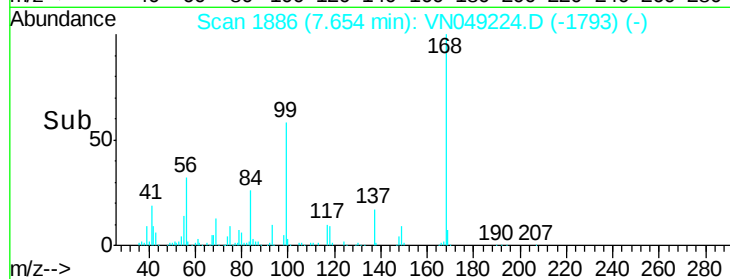
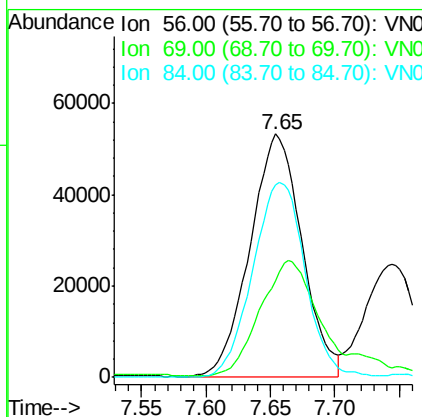
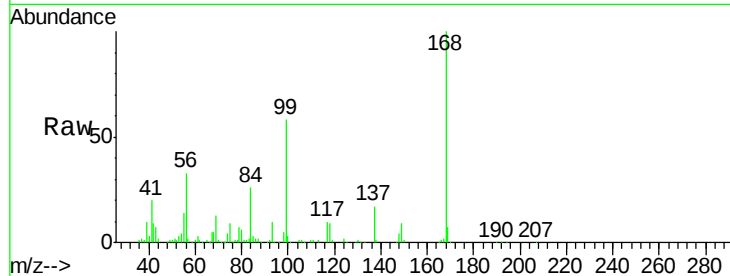
#31
Cyclohexane
Concen: 10.344 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampleId :
NW4

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	25.0	37.4#
84	79.1	64.6	96.8

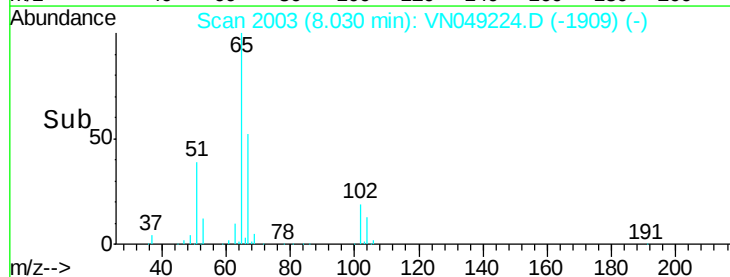
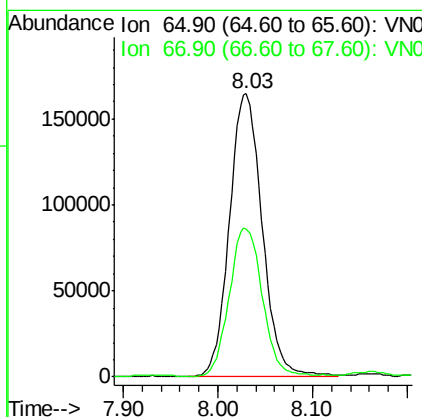
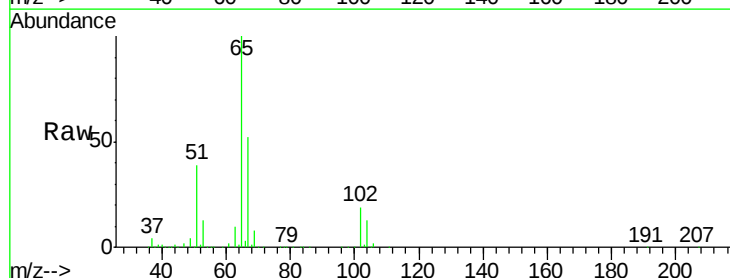
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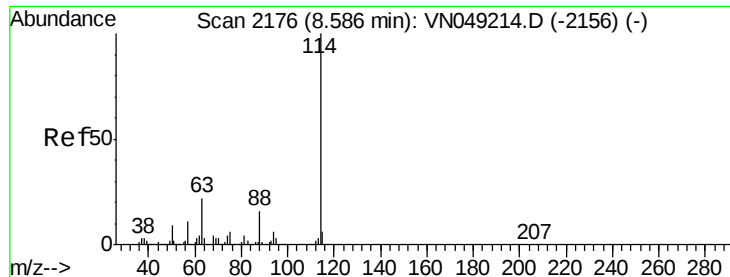
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#33
1,2-Dichloroethane-d4
Concen: 41.932 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.8





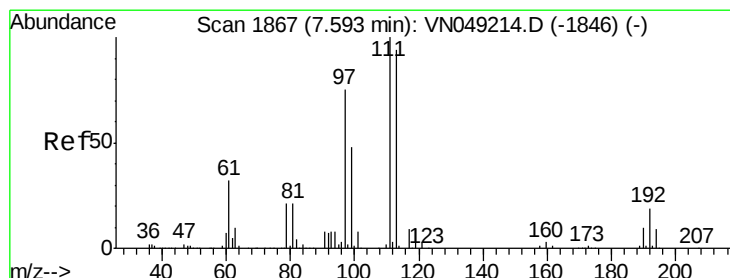
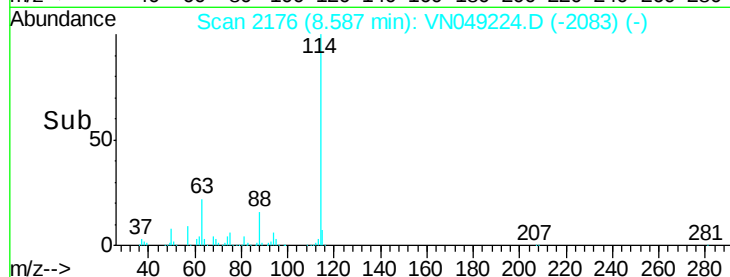
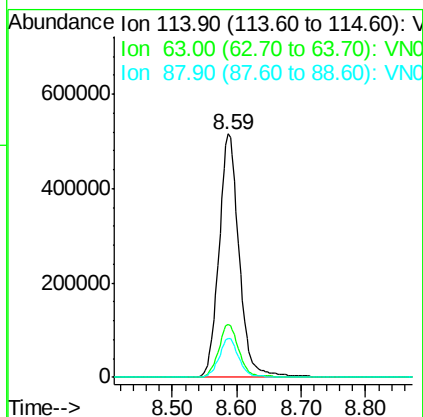
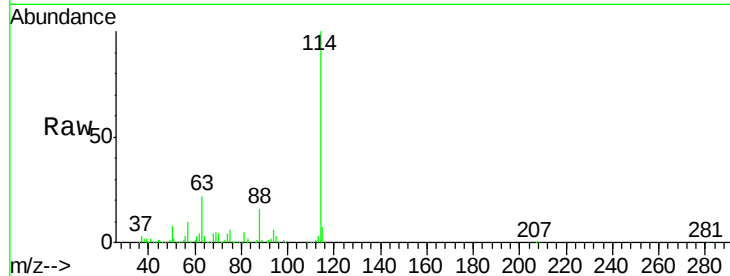
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampleId :
NW4

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.4
88	16.1	0.0	31.4

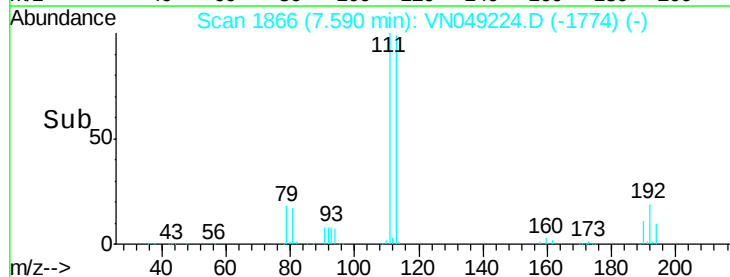
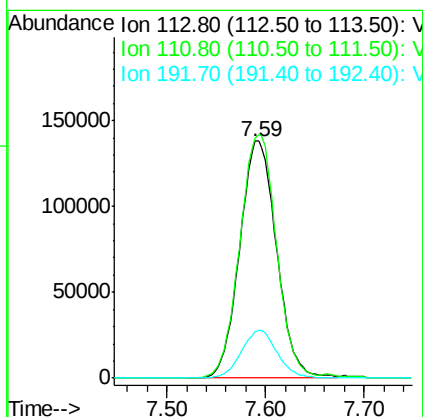
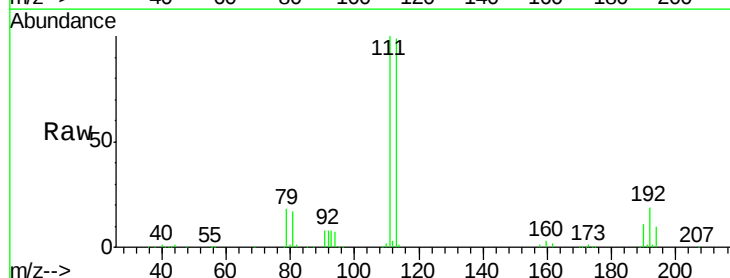
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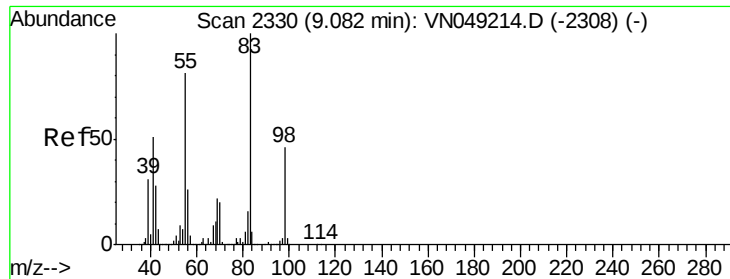
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#35
Dibromofluoromethane
Concen: 38.360 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	19.8	15.0	22.6





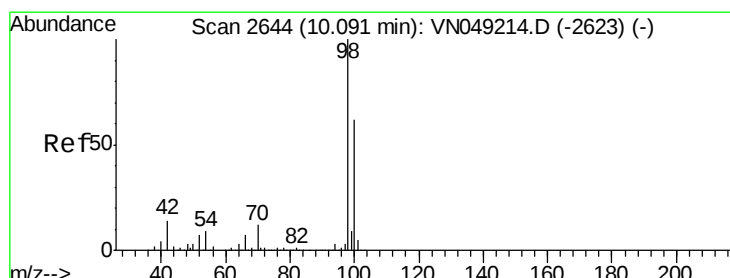
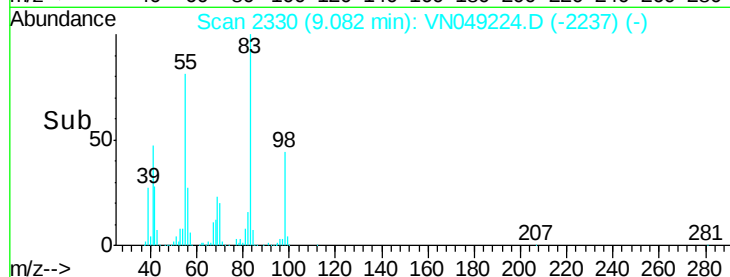
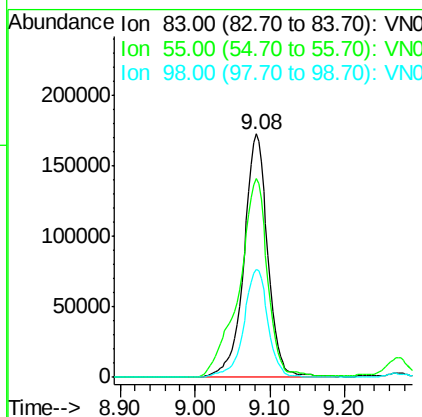
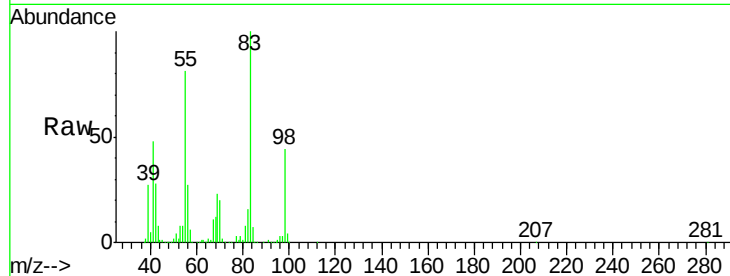
#39
Methvlcvclohexane
Concen: 26.342 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampleId :
NW4

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.1	97.7
98	44.2	36.5	54.7

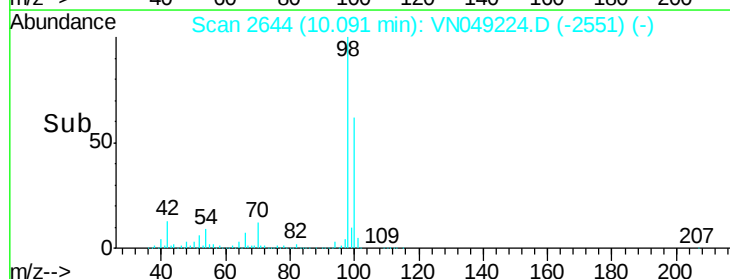
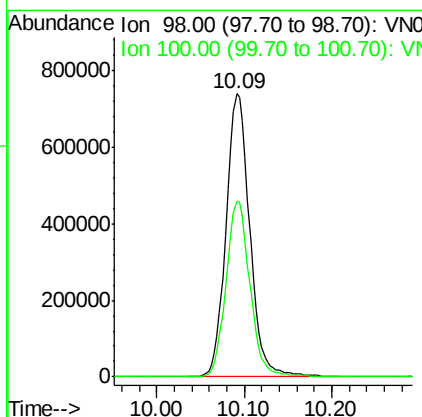
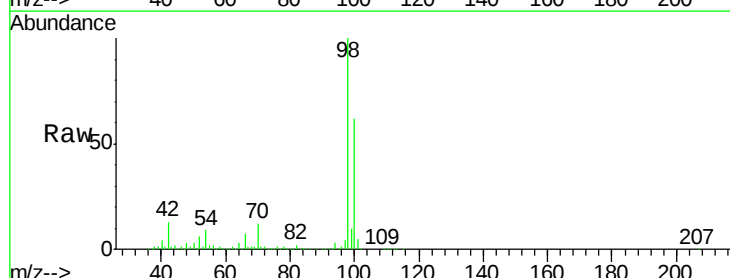
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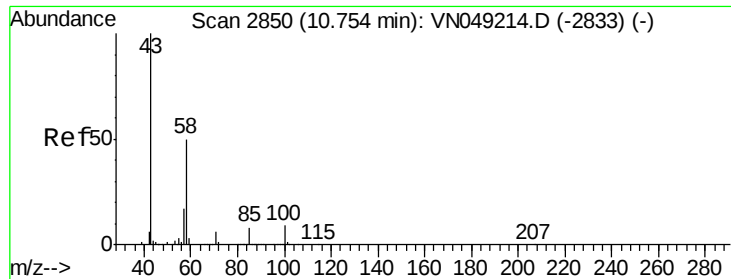
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#50
Toluene-d8
Concen: 38.616 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	49.8	74.8





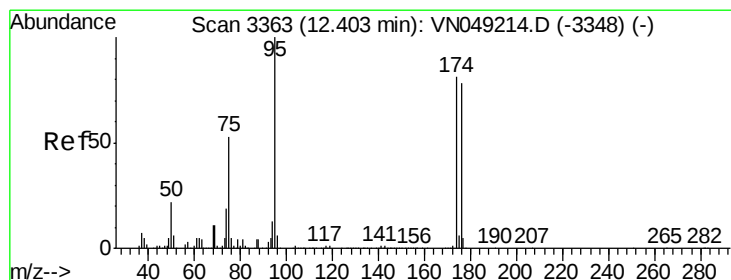
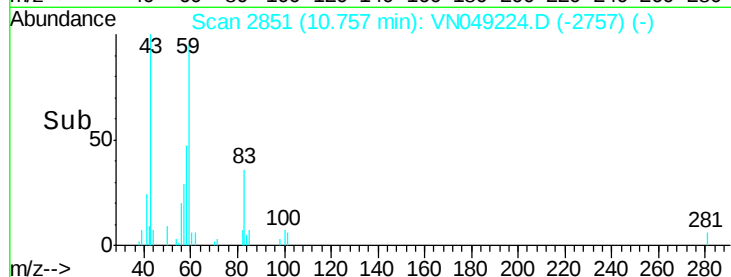
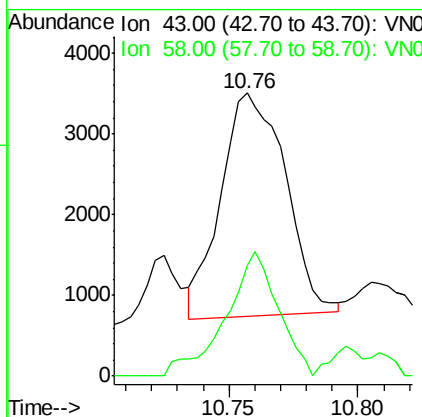
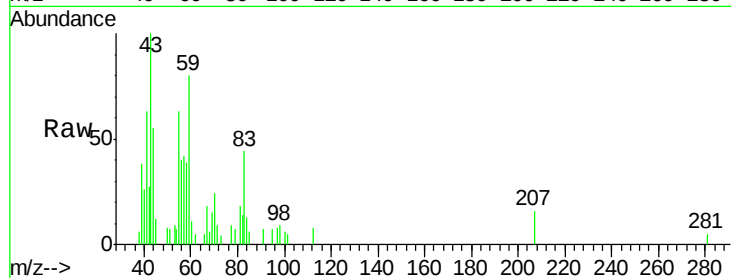
#59
2-Hexanone
Concen: 0.892 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampled :
NW4

Tot Ion: 43 Resp: 4825
Ion Ratio Lower Upper
43 100
58 45.0 25.2 75.6

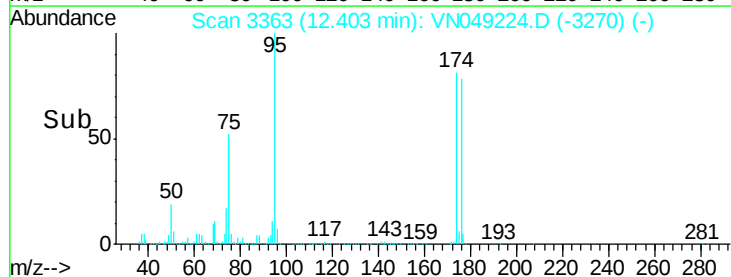
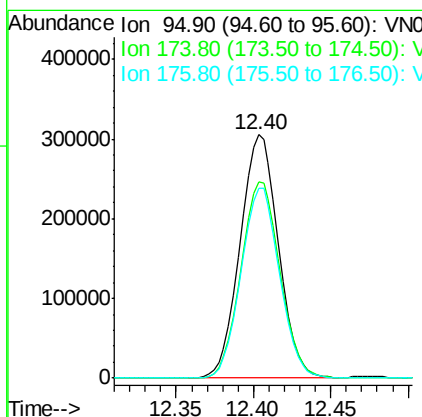
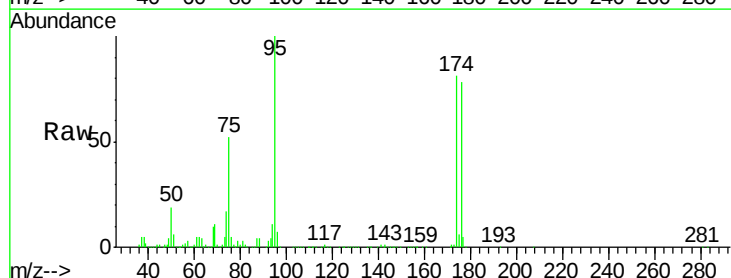
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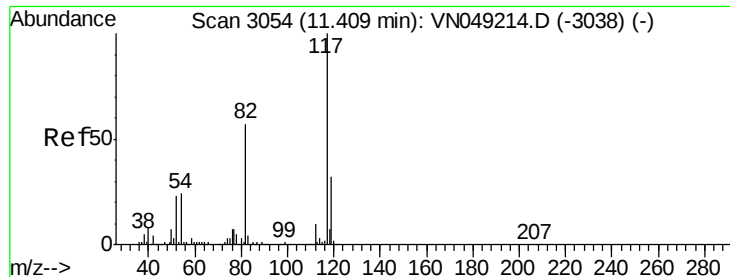
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#62
4-Bromofluorobenzene
Concen: 43.580 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion: 95 Resp: 523352
Ion Ratio Lower Upper
95 100
174 82.7 0.0 165.6
176 79.2 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampled :

NW4

Tot Ion:117 Resp: 1182809

Ion Ratio Lower Upper

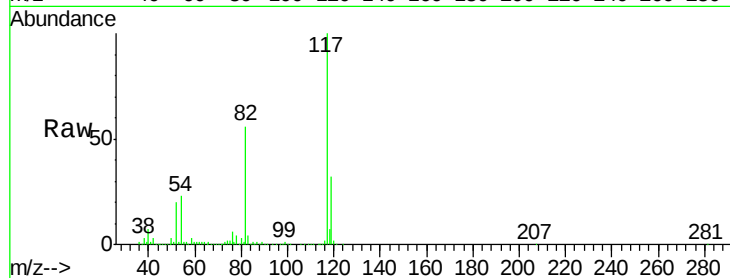
117 100

82 56.1 45.9 68.9

119 31.6 25.5 38.3

Manual Integrations
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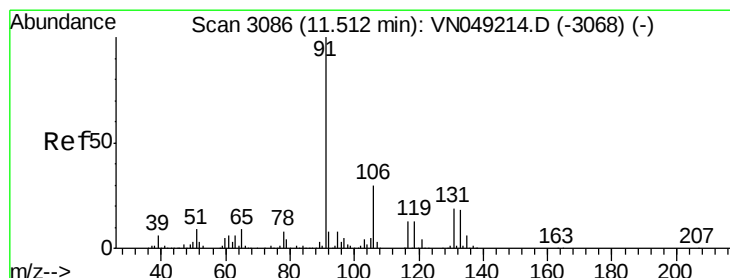
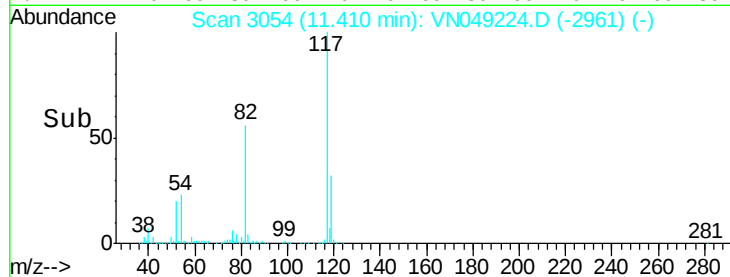
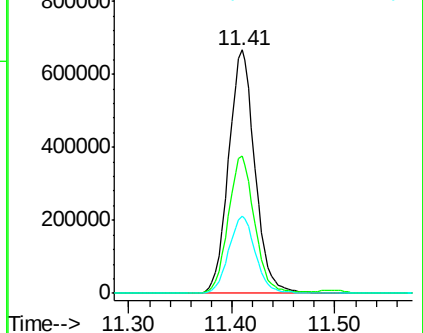
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6/15/2018 1:15:21 PM



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: 1.530 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049224.D

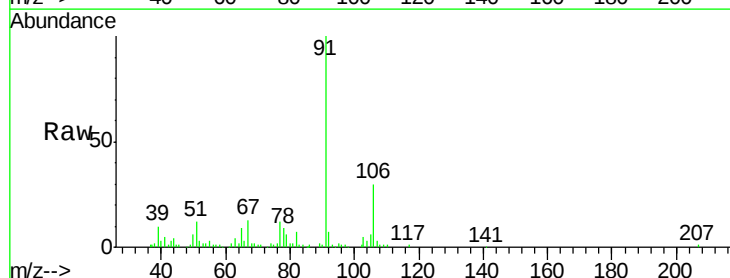
Acq: 14 Jun 2018 13:41

Tgt Ion: 91 Resp: 80563

Ion Ratio Lower Upper

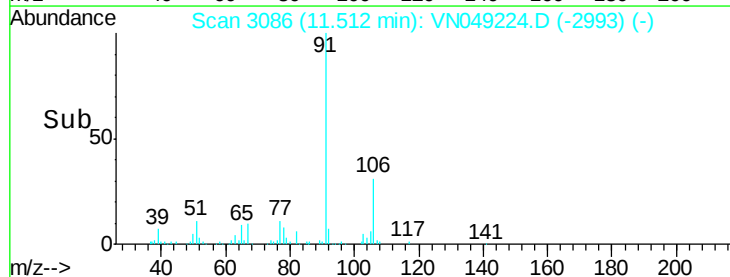
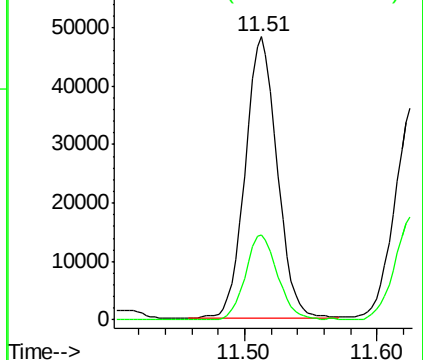
91 100

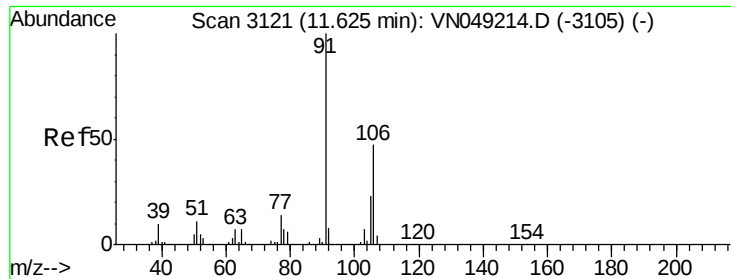
106 30.4 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





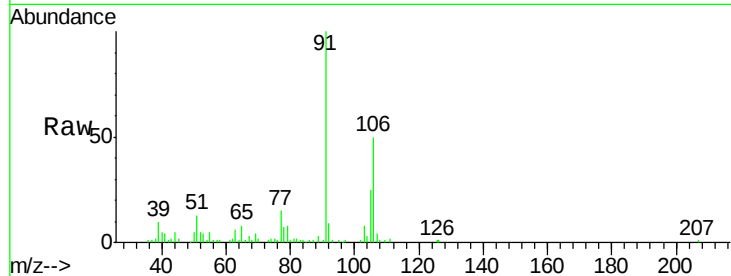
#68
m/p-Xylenes
Concen: 1.712 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampled :
NW4

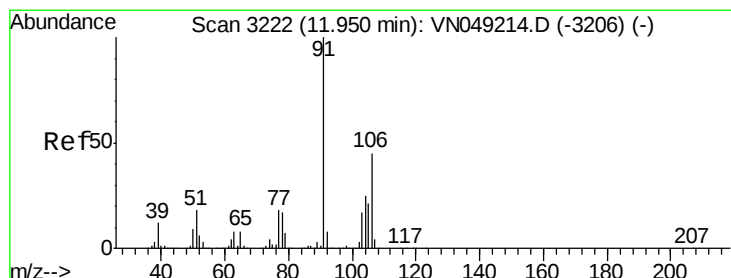
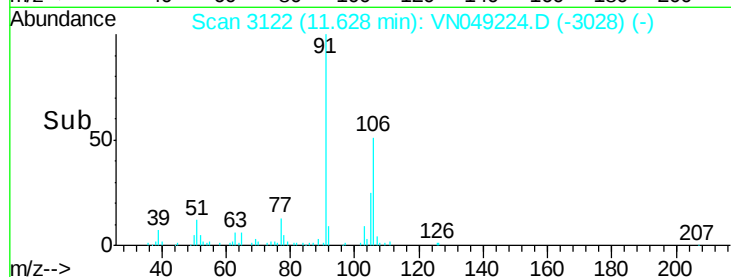
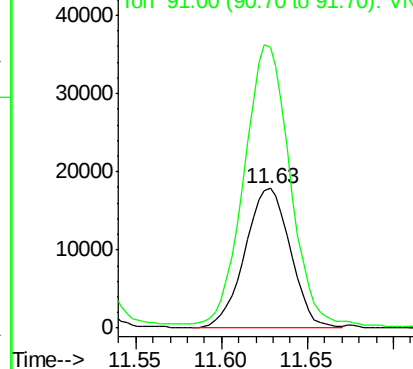
Tot Ion:106 Resp: 32953
Ion Ratio Lower Upper
106 100
91 204.2 167.3 250.9

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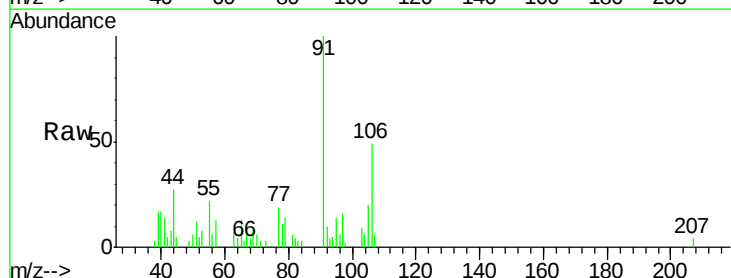


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

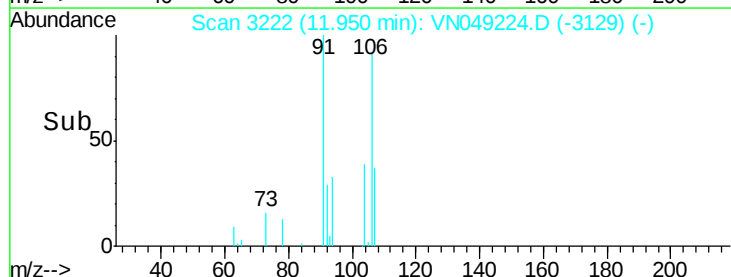
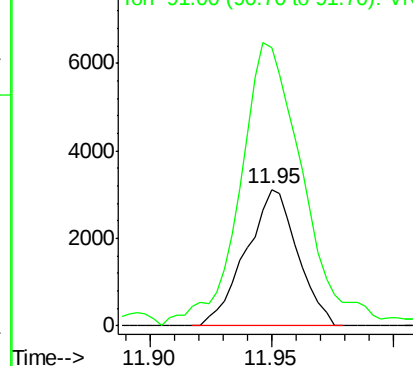


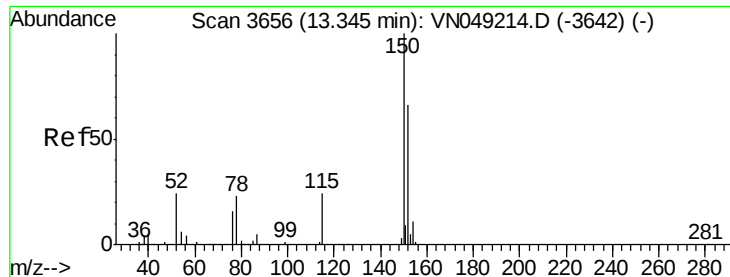
#69
o-Xylene
Concen: 0.246 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion:106 Resp: 4567
Ion Ratio Lower Upper
106 100
91 254.3 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampled :

NW4

Tot Ion:152 Resp: 486815

Ion Ratio Lower Upper

152 100

115 59.1 28.7 86.1

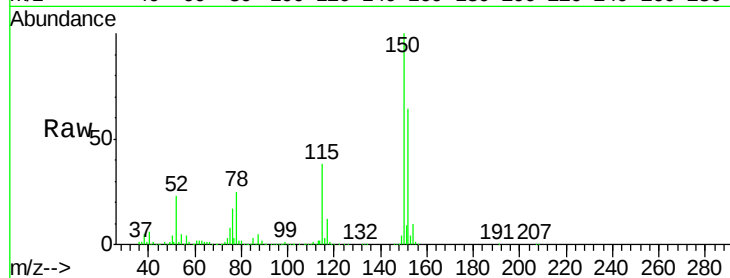
150 155.7 0.0 351.0

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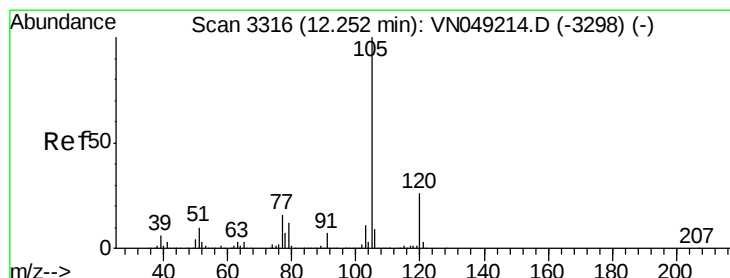
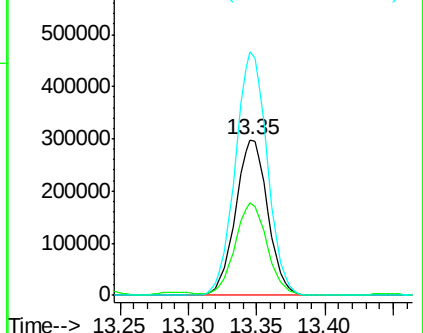
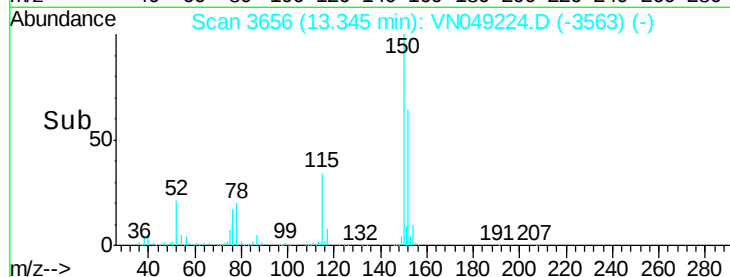
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.909 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049224.D

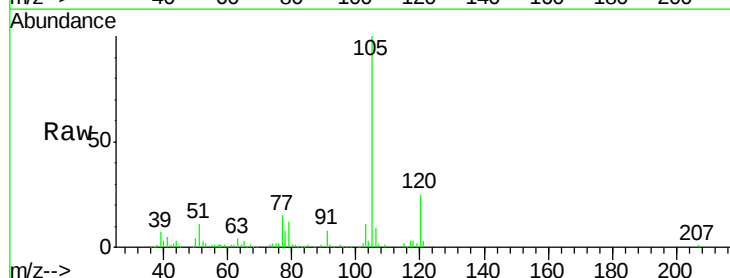
Acq: 14 Jun 2018 13:41

Tgt Ion:105 Resp: 89248

Ion Ratio Lower Upper

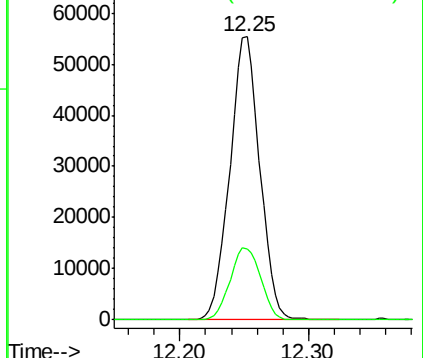
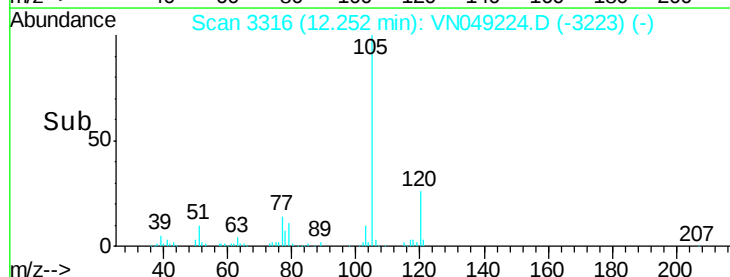
105 100

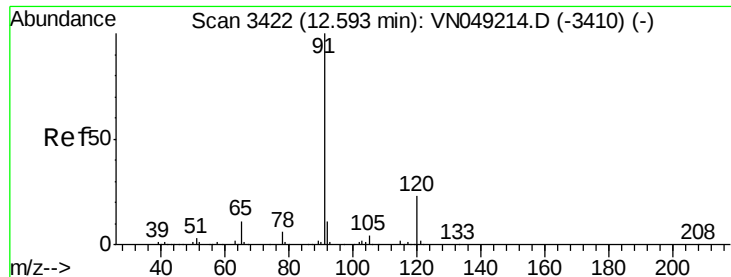
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 19.107 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampled :

NW4

Tot Ion: 91 Resp: 992500

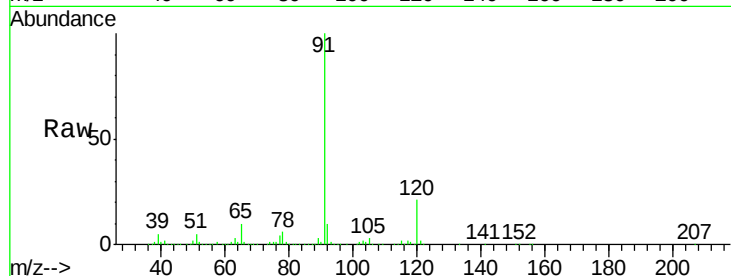
Ion Ratio Lower Upper

91 100

120 21.4 11.2 33.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049214.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049214.D (-3410) (-)

12.59

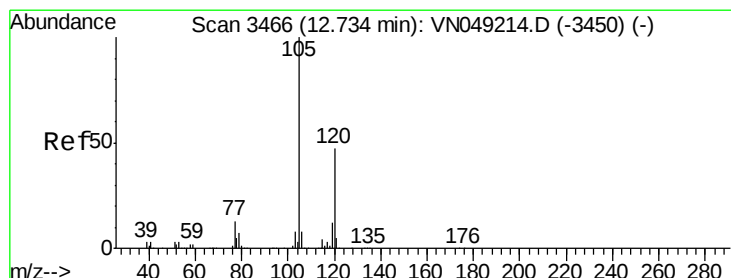
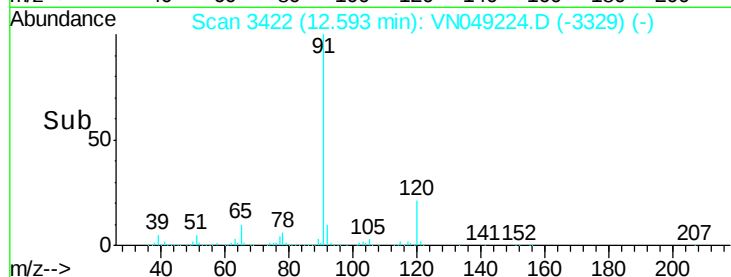
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 15.656 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049224.D

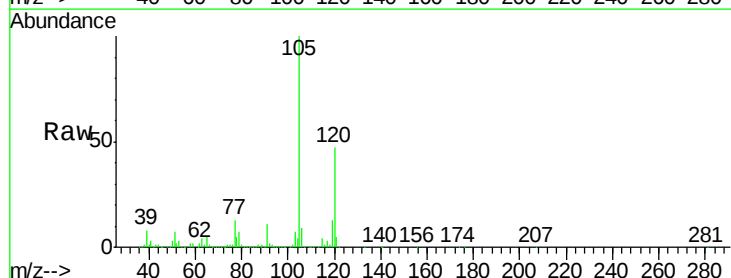
Acq: 14 Jun 2018 13:41

Tgt Ion: 105 Resp: 561302

Ion Ratio Lower Upper

105 100

120 46.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049214.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049214.D (-3450) (-)

12.73

400000

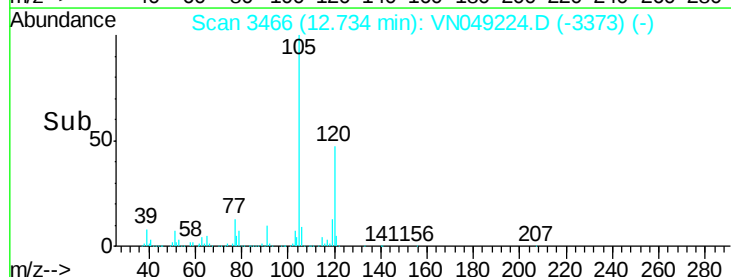
300000

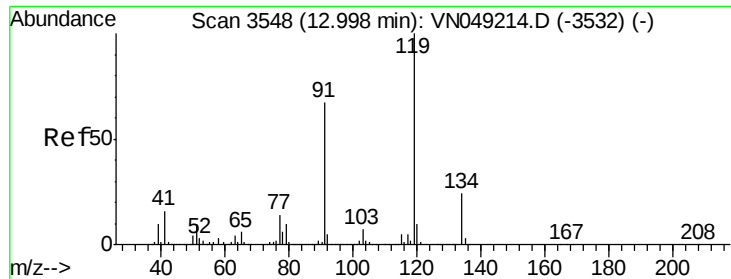
200000

100000

0

Time-->





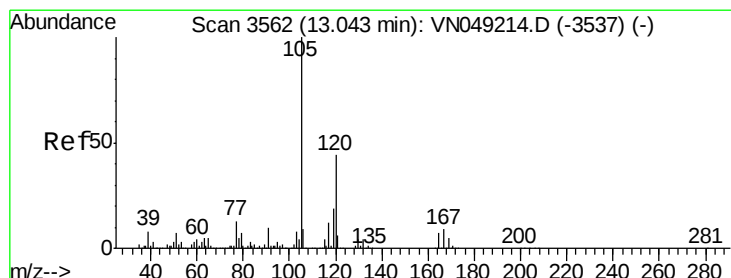
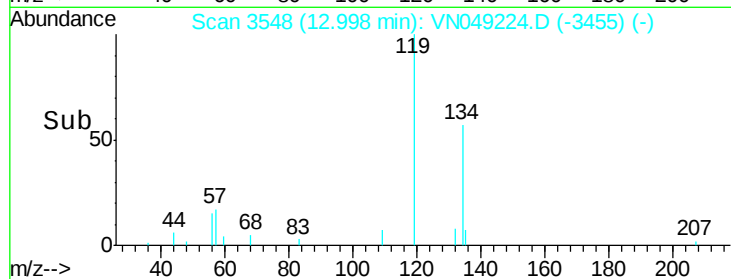
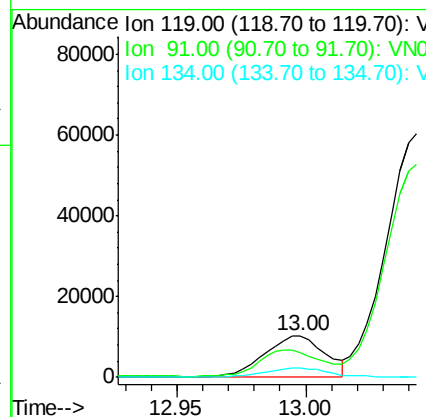
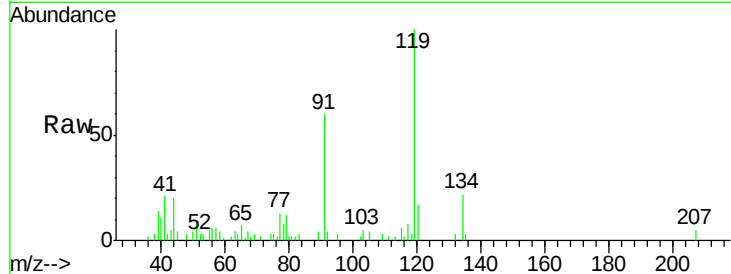
#83
 tert-Butylbenzene
 Concen: 0.544 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 NW4

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	33.7	101.0
134	24.0	12.9	38.6

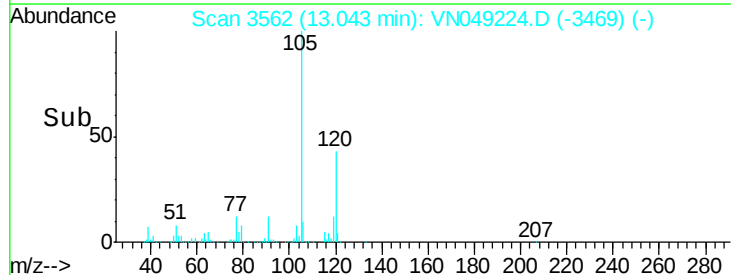
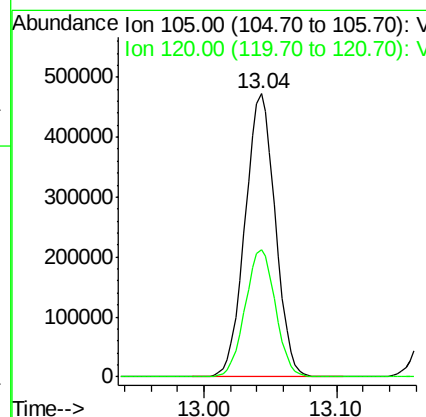
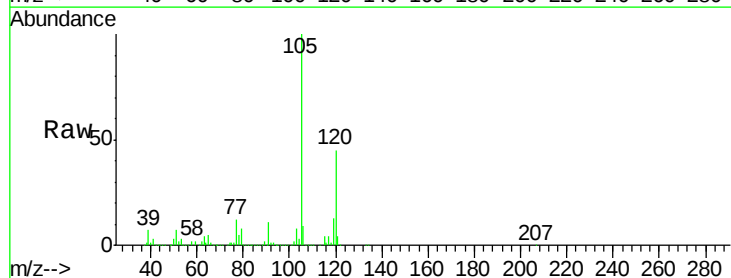
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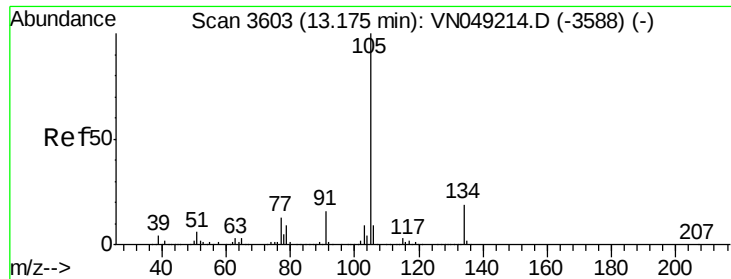
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.890 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.2	66.6





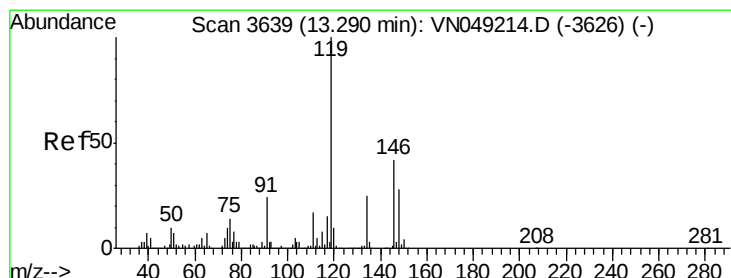
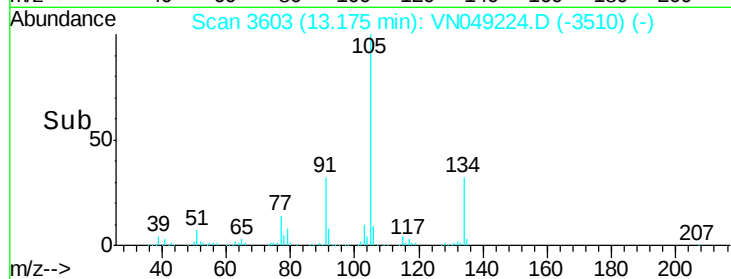
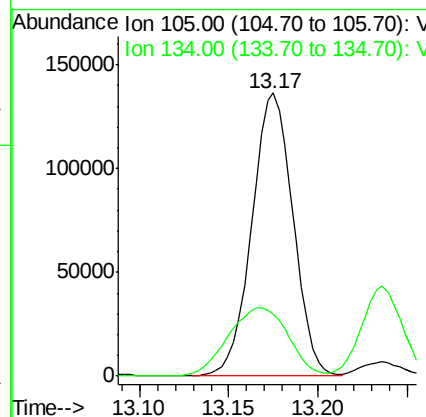
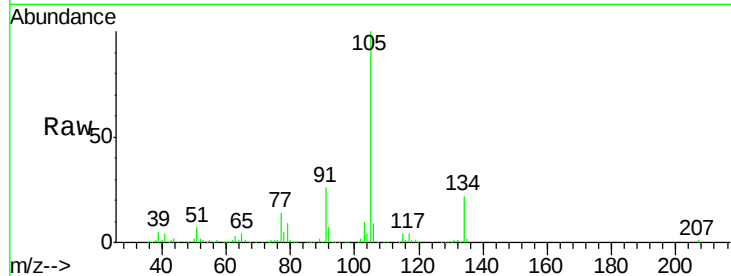
#85
 sec-Butylbenzene
 Concen: 5.319 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 NW4

Tot Ion	Ratio	Lower	Upper
105	100		
134	35.2	9.8	29.3#

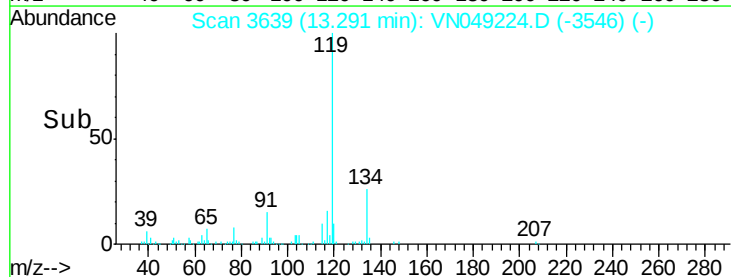
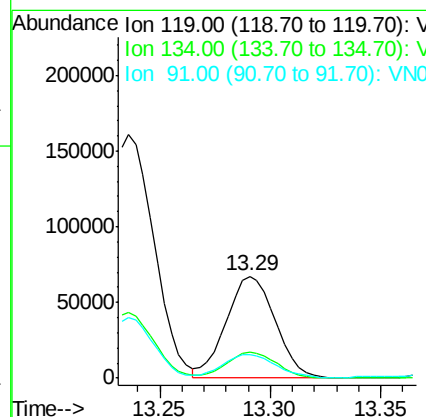
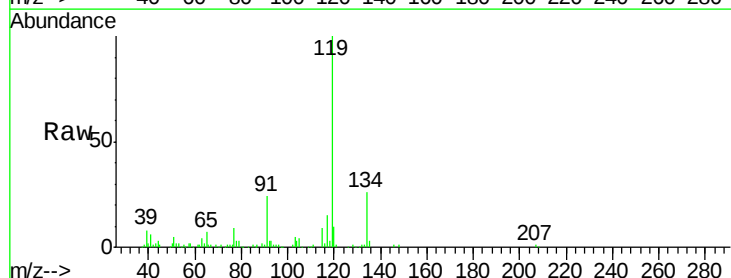
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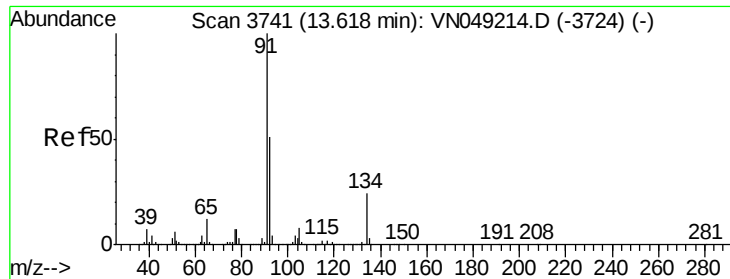
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#86
 p-Isopropyltoluene
 Concen: 3.131 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	23.4	12.1	36.3





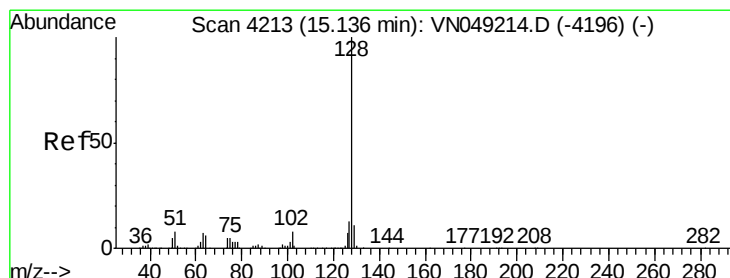
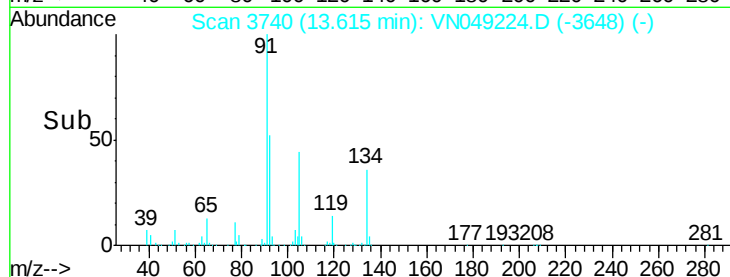
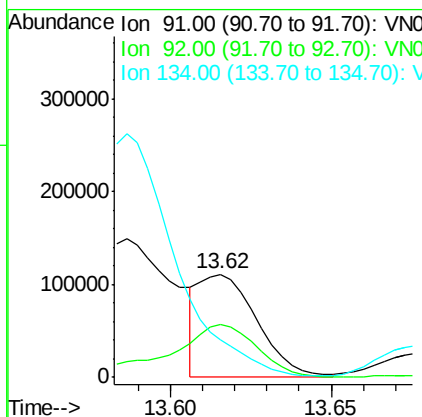
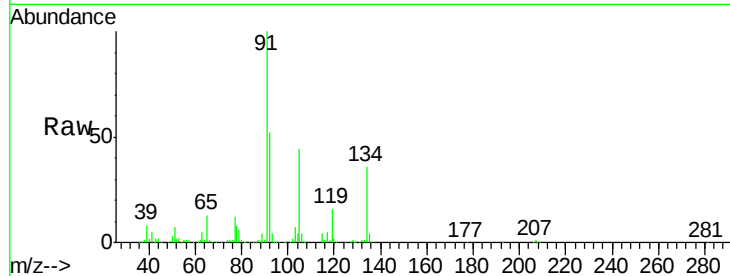
#89
n-Butylbenzene
Concen: 6.253 ug/l m
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampled :
NW4

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.1	75.4#
134	334.6	12.0	36.0#

Manual Integrations
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#95
Naphthalene
Concen: 10.224 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.6	16.0
129	10.7	8.5	12.7

