

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049223.D
 Acq On : 14 Jun 2018 13:15
 Operator : MD\SY
 Sample : J3435-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NW1

Manual Integrations
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 6/15/2018 1:15:20 PM

Quant Time: Jun 15 04:21:40 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	632553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1144328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1203739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	499547	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	409309	40.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.14%	
35) Dibromofluoromethane	7.59	113	360815	38.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.20%	
50) Toluene-d8	10.09	98	1441983	39.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.28%	
62) 4-Bromofluorobenzene	12.40	95	569125	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
Target Compounds						
					Qvalue	
16) Acetone	3.81	43	223656	91.642	ug/l #	78
17) Carbon Disulfide	4.04	76	13497	0.501	ug/l #	86
25) 2-Butanone	6.85	43	45597	13.048	ug/l	97
27) cis-1,2-Dichloroethene	6.84	96	14159m	1.484	ug/l	
31) Cyclohexane	7.65	56	1069274	70.526	ug/l	98
39) Methylcyclohexane	9.08	83	378993	25.661	ug/l	96
40) Benzene	8.04	78	403354	9.312	ug/l	99
44) Trichloroethene	8.84	130	12432	1.149	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	18190	2.058	ug/l	99
52) Toluene	10.16	92	379547	15.060	ug/l	97
59) 2-Hexanone	10.76	43	5429	0.986	ug/l	71
64) Tetrachloroethene	10.63	164	6720	0.557	ug/l	94
67) Ethyl Benzene	11.51	91	2652573	49.515	ug/l	100
68) m/p-Xylenes	11.63	106	508373	25.950	ug/l	99
69) o-Xylene	11.95	106	107761	5.712	ug/l	98
73) Isopropylbenzene	12.25	105	451210	9.404	ug/l	98
78) n-propylbenzene	12.59	91	620635	11.644	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1111505	30.397	ug/l	100
85) sec-Butylbenzene	13.17	105	62990	1.491	ug/l #	64
89) n-Butylbenzene	13.62	91	65562m	3.676	ug/l	
95) Naphthalene	15.14	128	1009559	57.308	ug/l	100

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

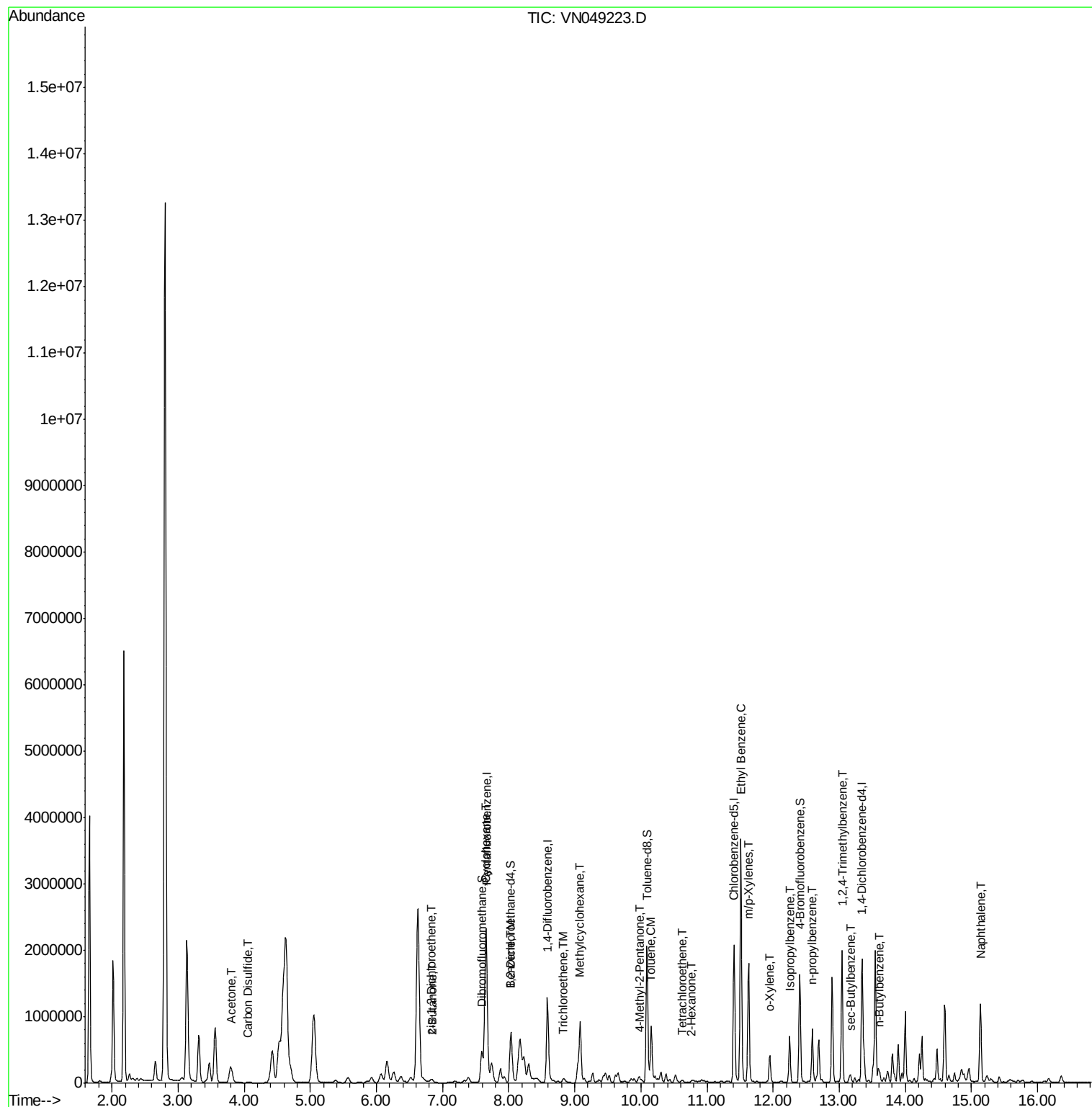
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049223.D
Acq On : 14 Jun 2018 13:15
Operator : MD\SY
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

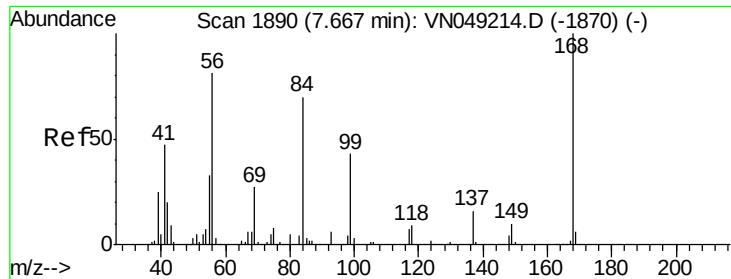
Instrument :
MSVOA_N
ClientSampleId :
NW1

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Quant Time: Jun 15 04:21:40 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

NW1

Tot Ion:168 Resp: 632553

Ion Ratio Lower Upper

168 100

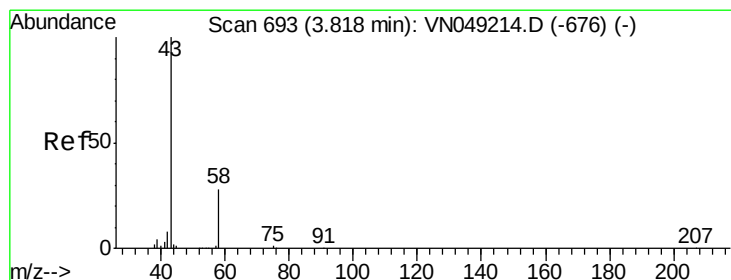
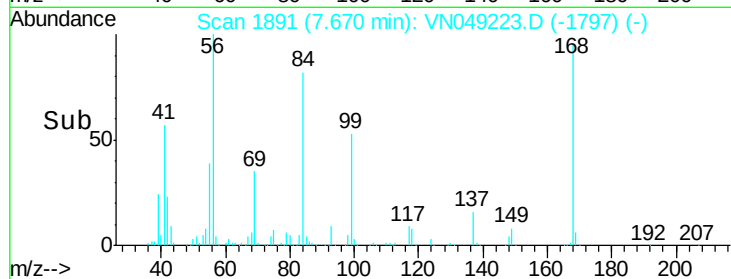
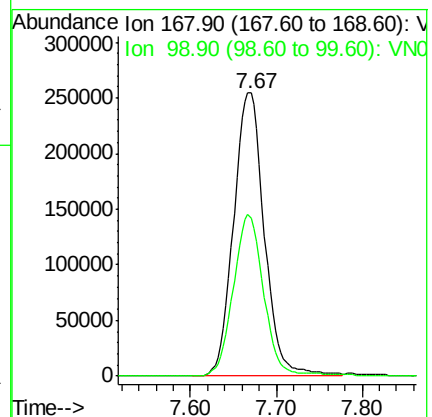
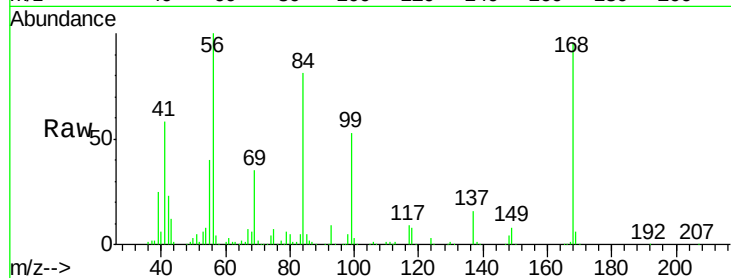
99 55.8 45.8 68.6

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#16

Acetone

Concen: 91.642 ug/l

RT: 3.81 min Scan# 691

Delta R.T. -0.01 min

Lab File: VN049223.D

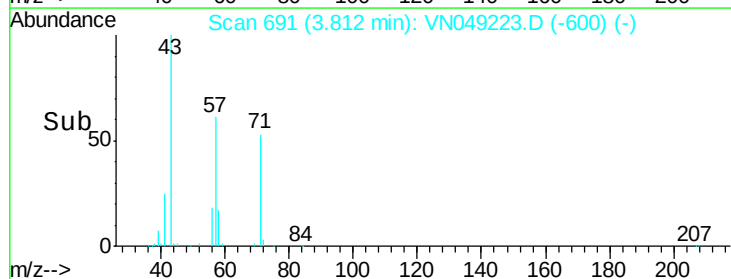
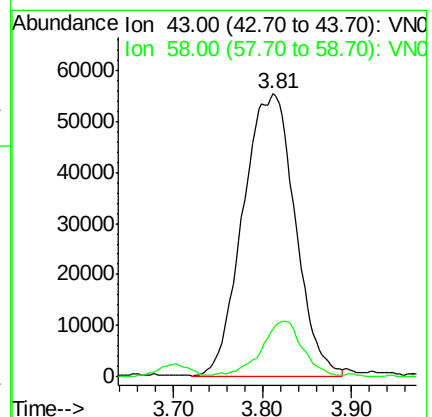
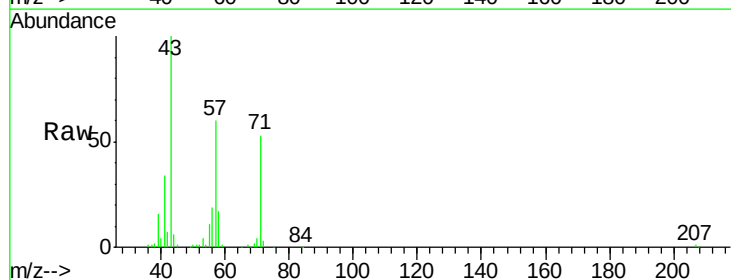
Acq: 14 Jun 2018 13:15

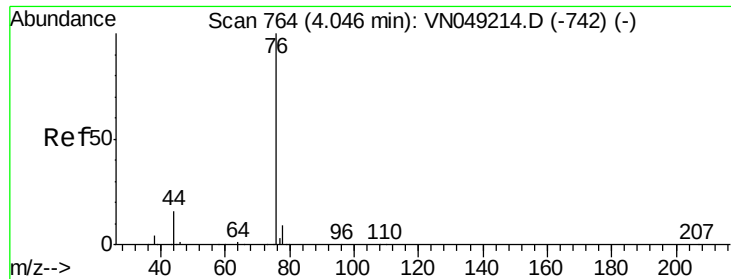
Tgt Ion: 43 Resp: 223656

Ion Ratio Lower Upper

43 100

58 16.5 22.4 33.6#





#17

Carbon Disulfide

Concen: 0.501 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

NW1

Tot Ion: 76 Resp: 13497

Ion Ratio Lower Upper

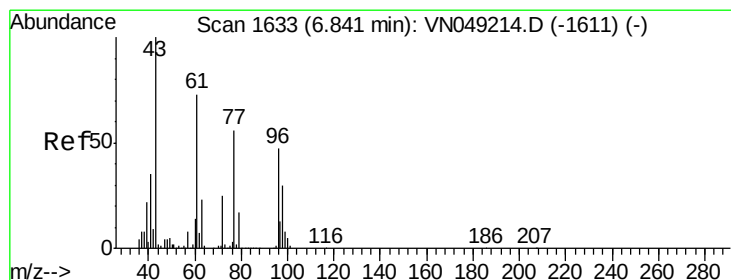
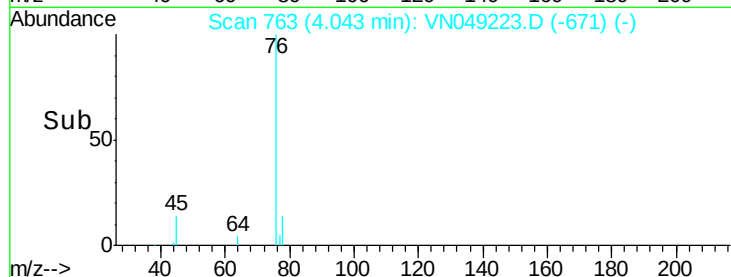
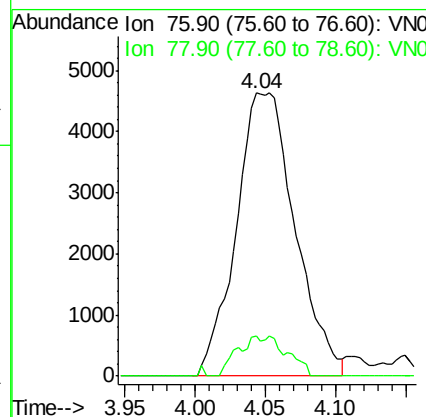
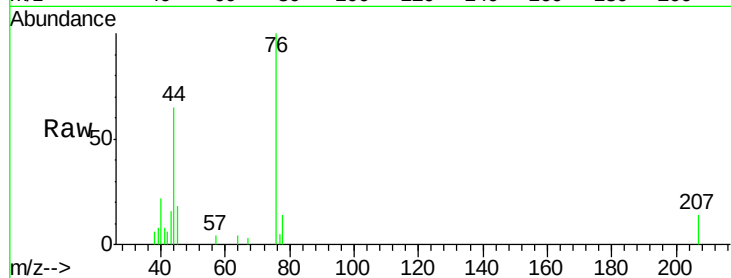
76 100

78 14.3 7.4 11.0#

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#25

2-Butanone

Concen: 13.048 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049223.D

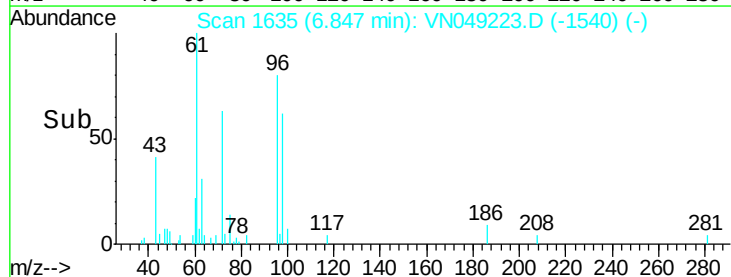
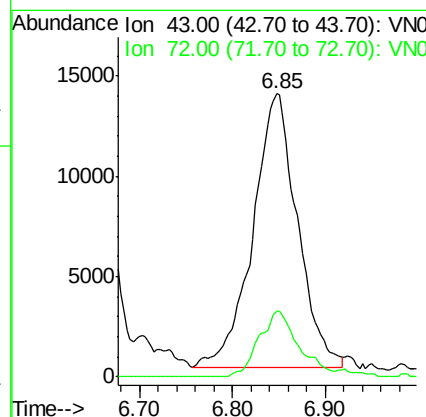
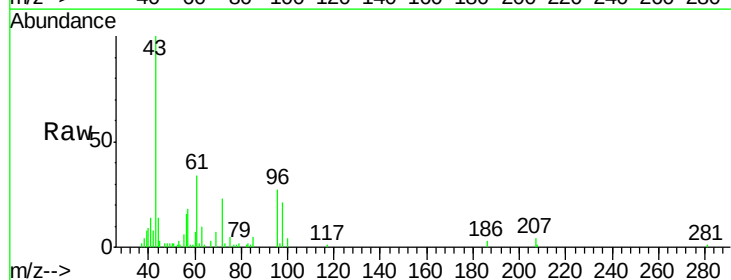
Acq: 14 Jun 2018 13:15

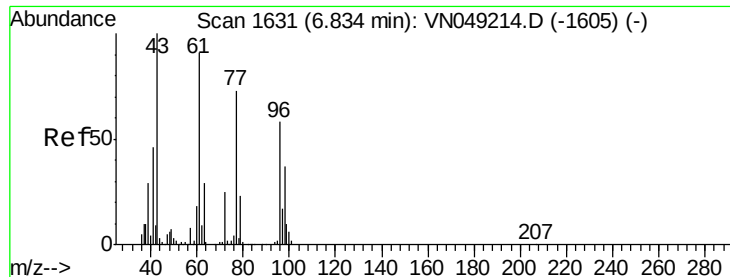
Tgt Ion: 43 Resp: 45597

Ion Ratio Lower Upper

43 100

72 23.9 20.2 30.2





#27

cis-1,2-Dichloroethene

Concen: 1.484 ug/l m

RT: 6.84 min Scan# 1633

Delta R.T. 0.01 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

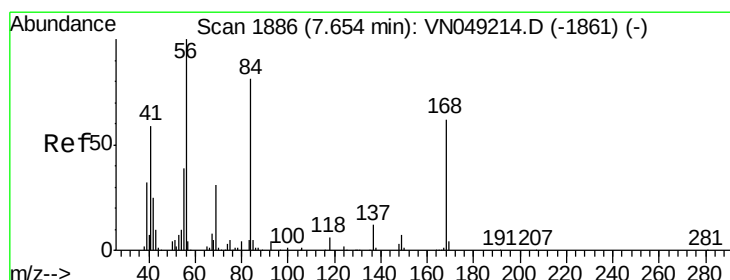
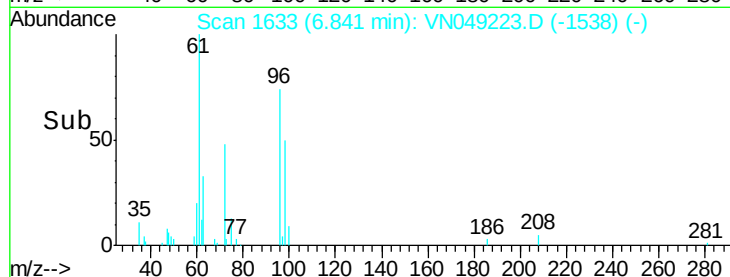
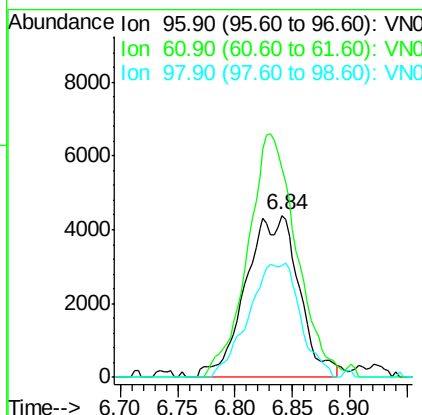
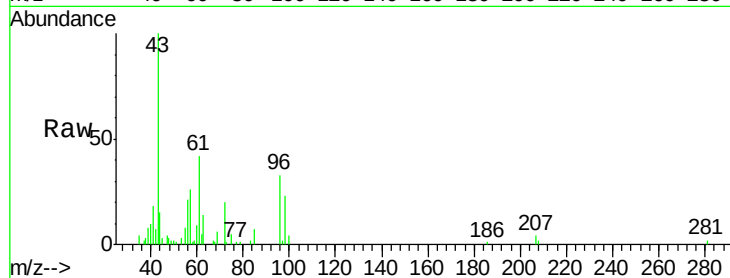
ClientSampled :

NW1

Tot Ion:	96	Resp:	14159
Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	316.4
98	40.3	0.0	128.4

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#31

Cyclohexane

Concen: 70.526 ug/l

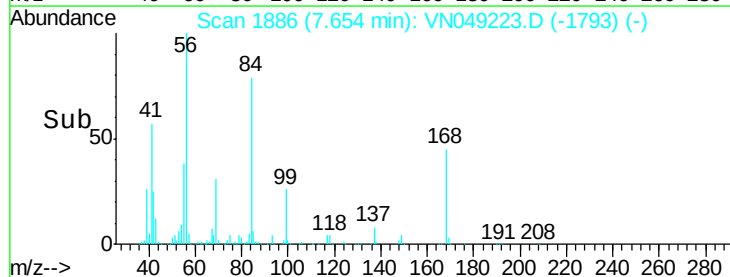
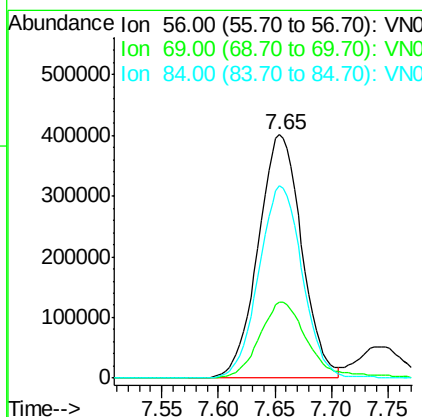
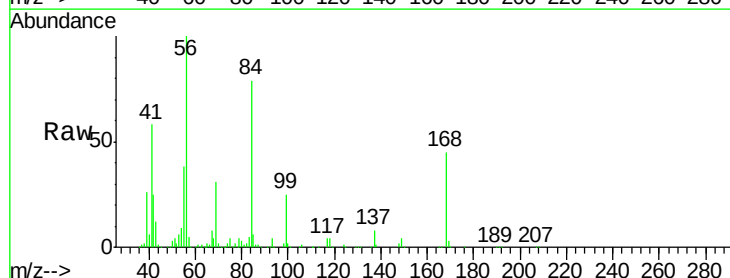
RT: 7.65 min Scan# 1886

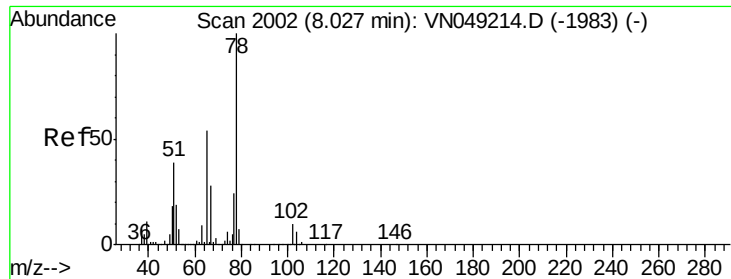
Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Tgt Ion:	56	Resp:	1069274
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.4
84	78.9	64.6	96.8





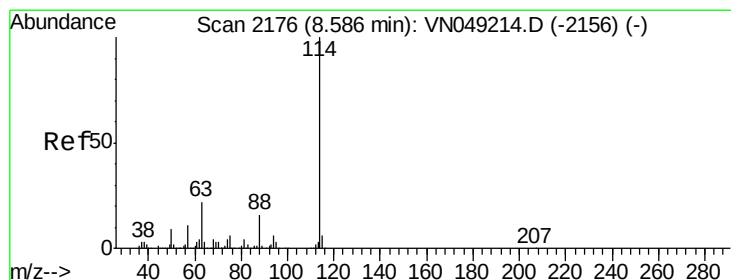
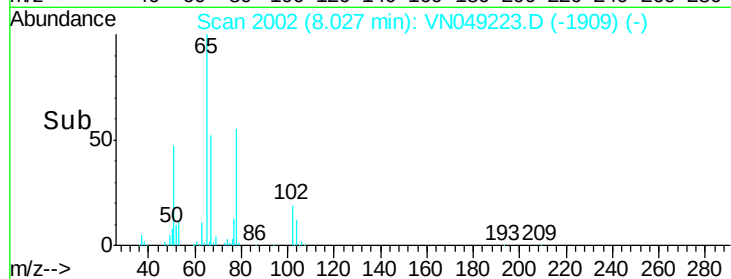
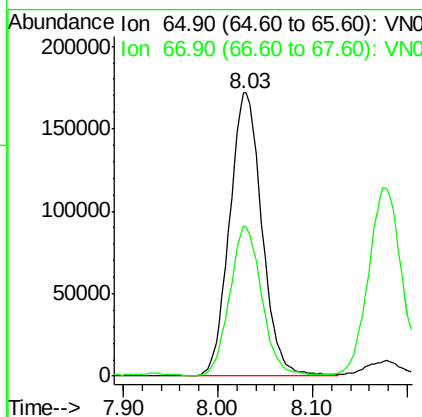
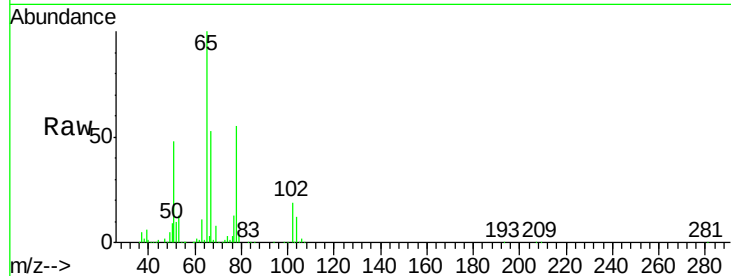
#33
 1,2-Dichloroethane-d4
 Concen: 40.075 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 NW1

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.8	

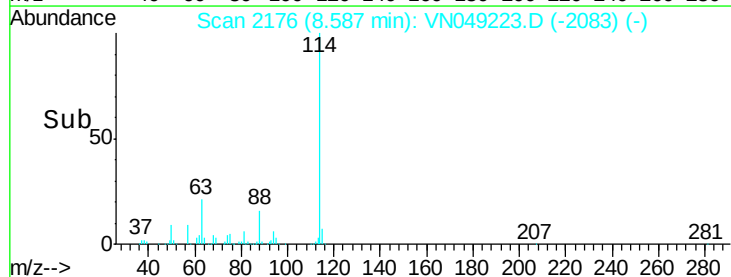
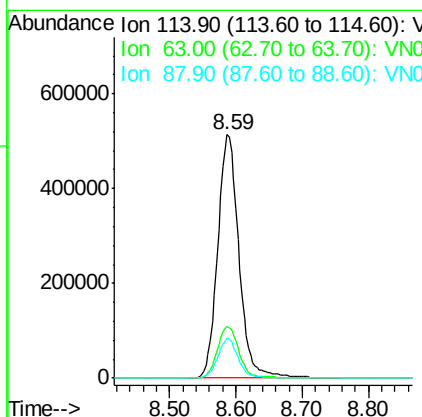
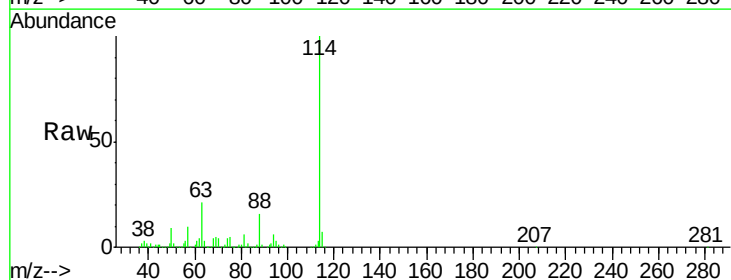
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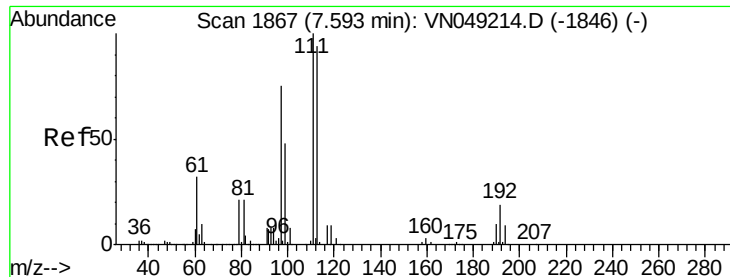
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	44.4	
88	16.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 38.095 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

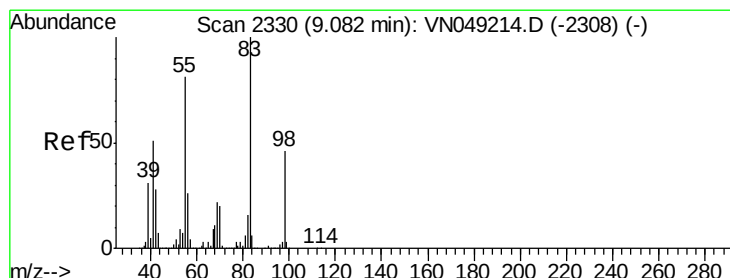
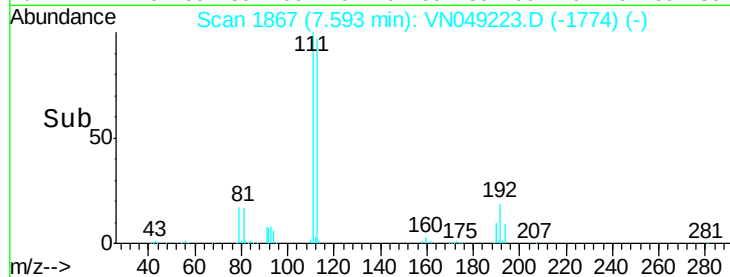
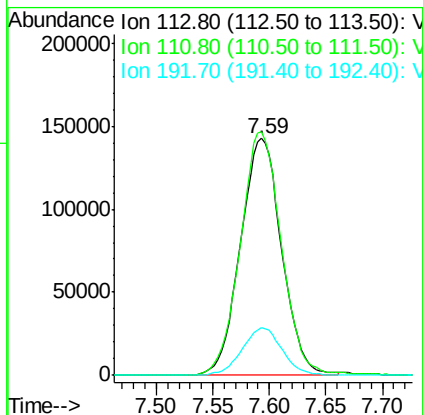
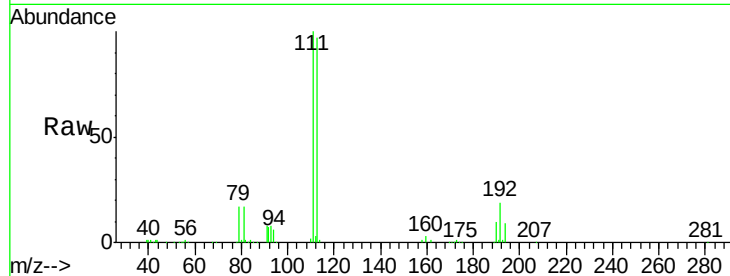
ClientSampleId :

NW1

Tot Ion:	113	Resp:	360815
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.4	123.6
192	19.6	15.0	22.6

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#39

Methylcyclohexane

Concen: 25.661 ug/l

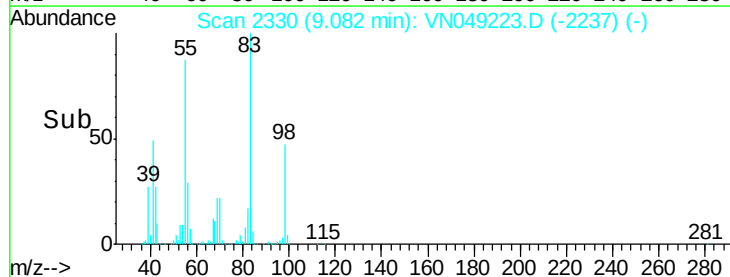
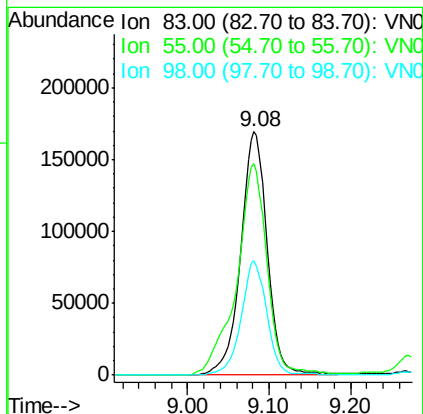
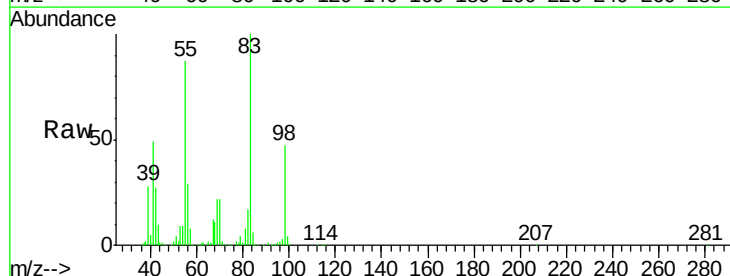
RT: 9.08 min Scan# 2330

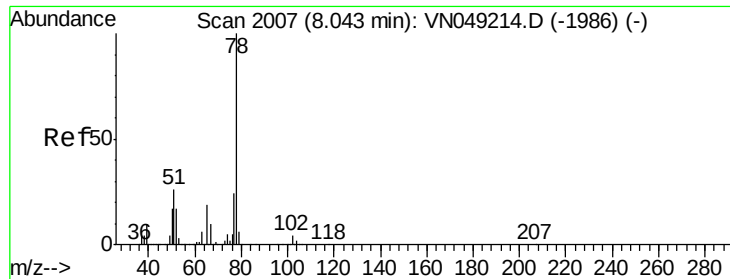
Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Tgt Ion:	83	Resp:	378993
Ion Ratio	Lower	Upper	
83	100		
55	86.5	65.1	97.7
98	46.9	36.5	54.7





#40

Benzene

Concen: 9.312 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

NW1

Tot Ion: 78 Resp: 403354

Ion Ratio Lower Upper

78 100

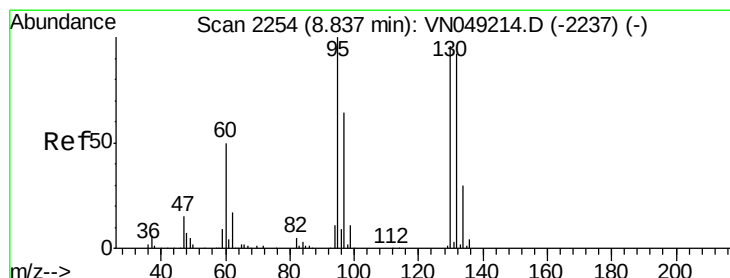
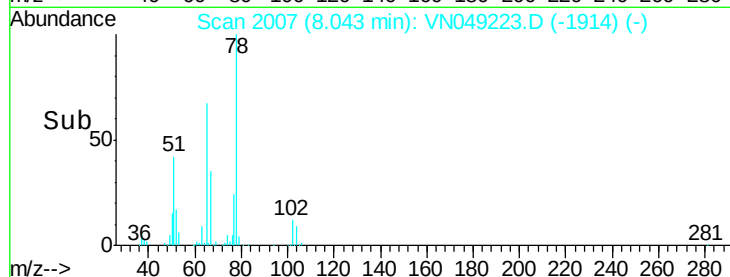
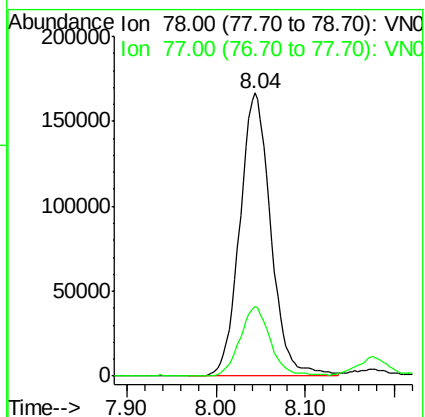
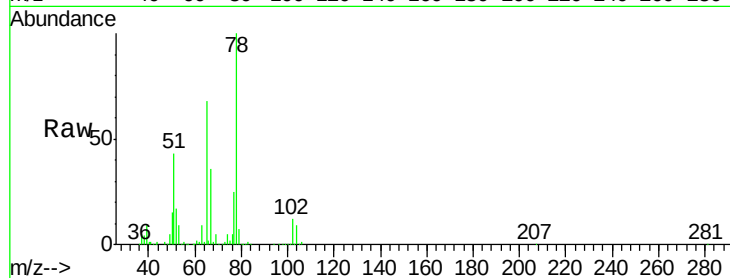
77 24.5 19.4 29.0

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#44

Trichloroethene

Concen: 1.149 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049223.D

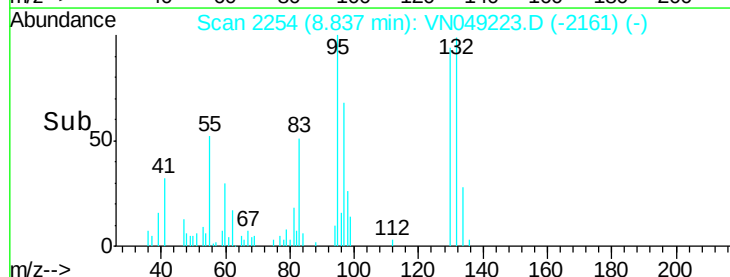
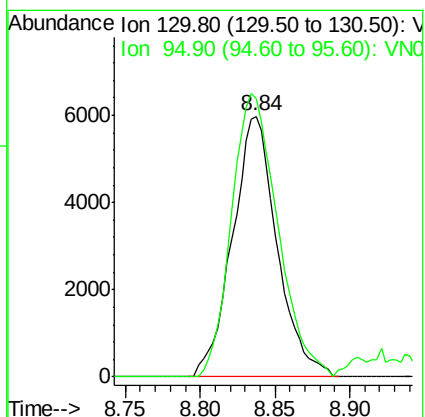
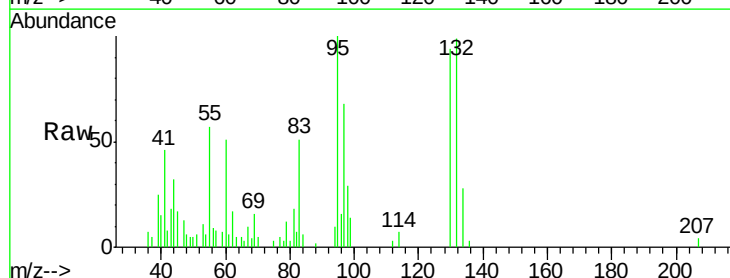
Acq: 14 Jun 2018 13:15

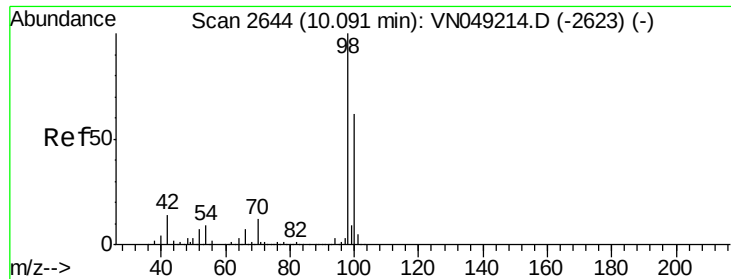
Tgt Ion:130 Resp: 12432

Ion Ratio Lower Upper

130 100

95 106.8 0.0 208.6





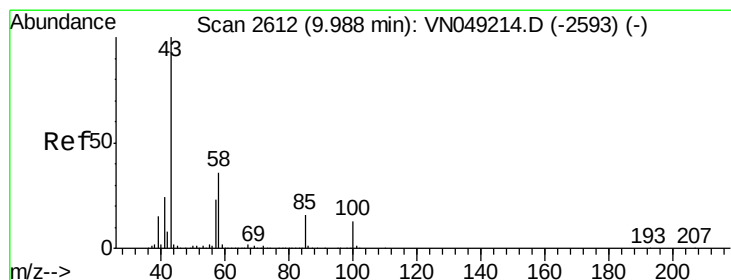
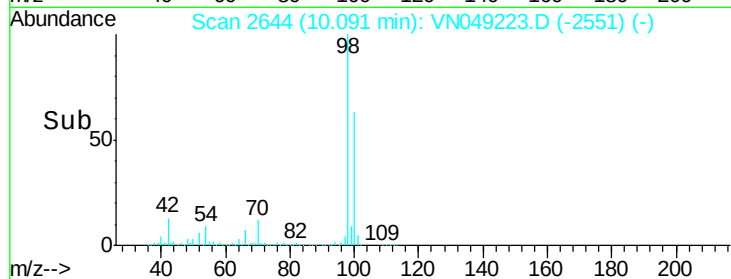
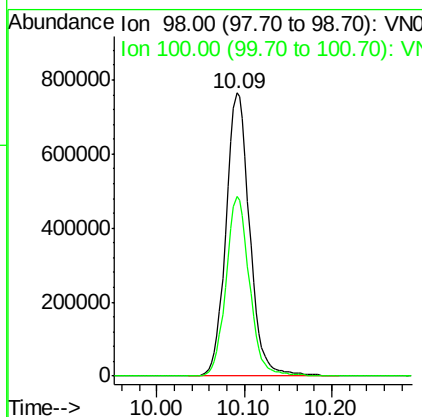
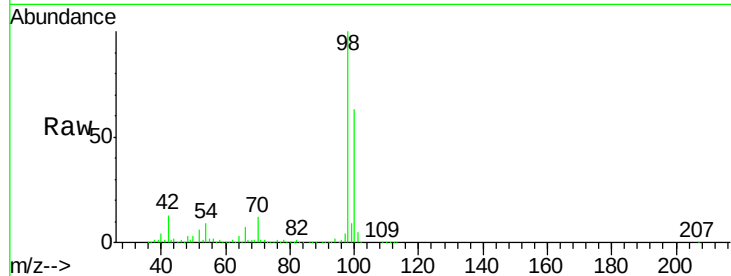
#50
Toluene-d8
Concen: 39.136 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
NW1

Tot Ion: 98 Resp: 1441983
Ion Ratio Lower Upper
98 100
100 62.9 49.8 74.8

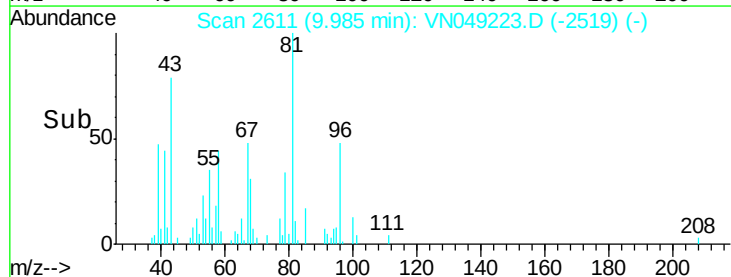
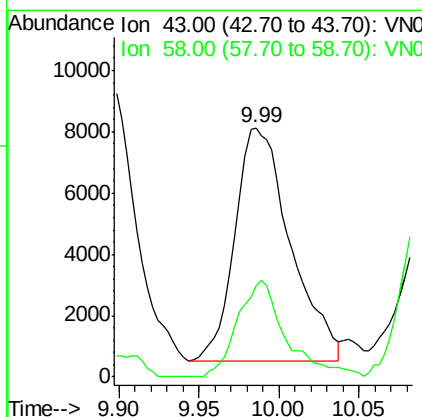
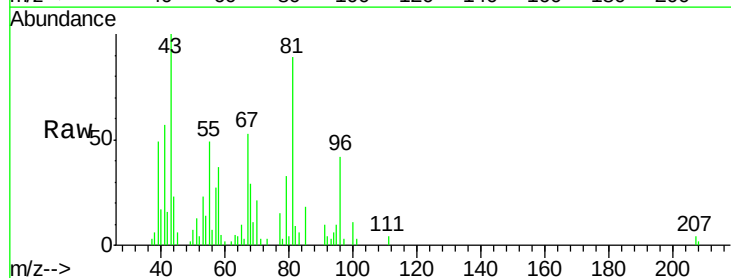
Manual Integrations
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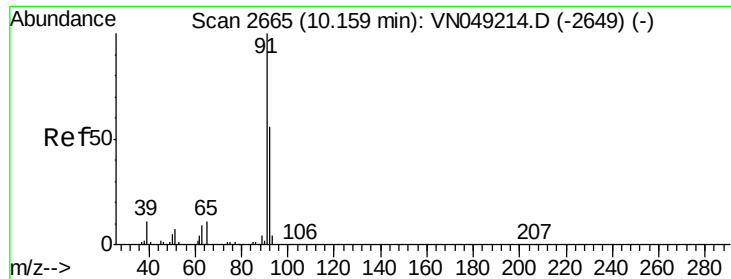
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#51
4-Methyl-2-Pentanone
Concen: 2.058 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 43 Resp: 18190
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.6





#52

Toluene

Concen: 15.060 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

NW1

Tot Ion: 92 Resp: 379547

Ion Ratio Lower Upper

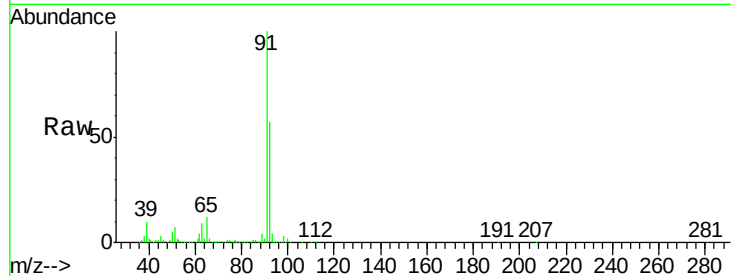
92 100

91 175.5 143.4 215.2

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Abundance Ion 92.00 (91.70 to 92.70): VN049223.D (-2572) (-)

Ion 91.00 (90.70 to 91.70): VN049223.D (-2572) (-)

400000

300000

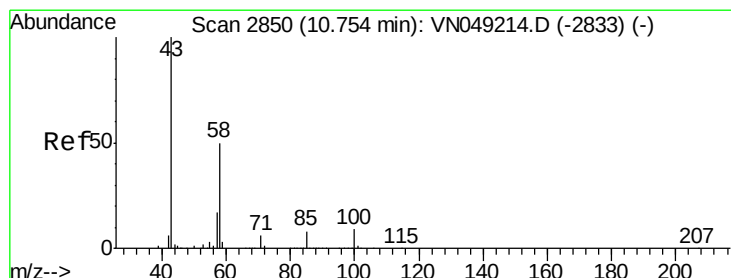
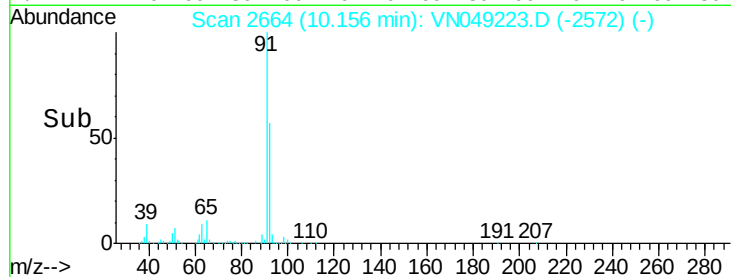
200000

100000

0

10.10 10.20 10.30

Time-->



#59

2-Hexanone

Concen: 0.986 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049223.D

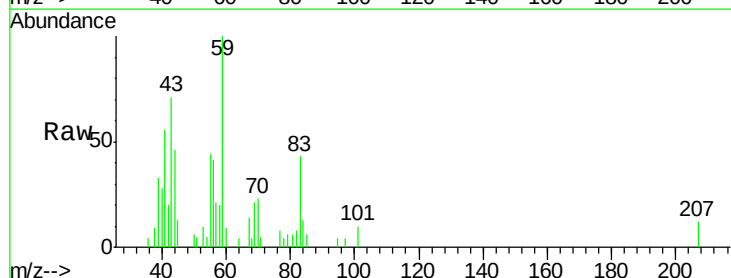
Acq: 14 Jun 2018 13:15

Tgt Ion: 43 Resp: 5429

Ion Ratio Lower Upper

43 100

58 30.3 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049223.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN049223.D (-2757) (-)

3000

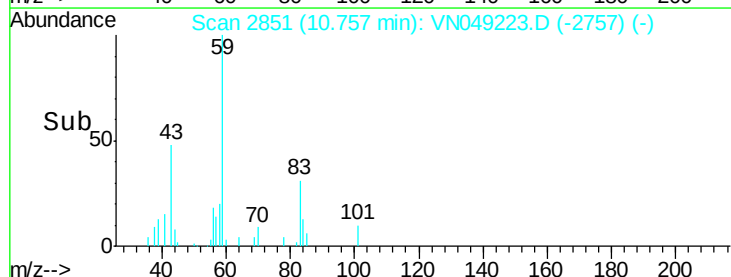
2000

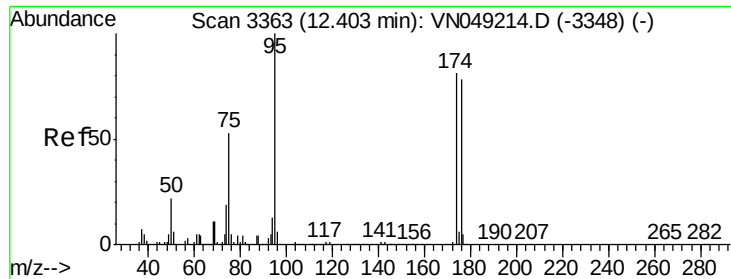
1000

0

10.75 10.80

Time-->





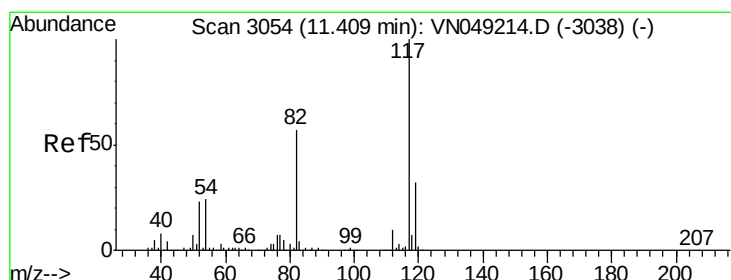
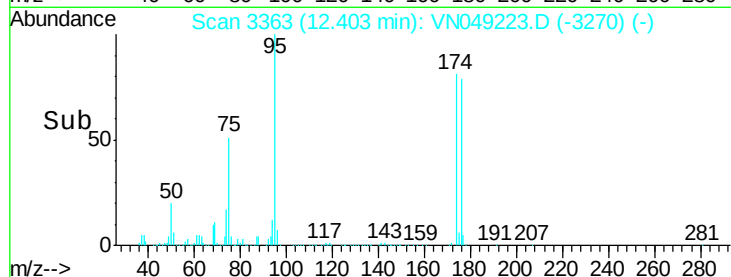
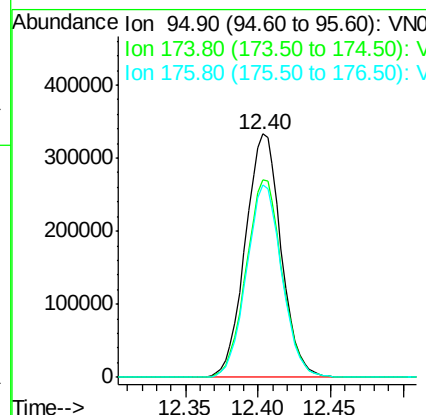
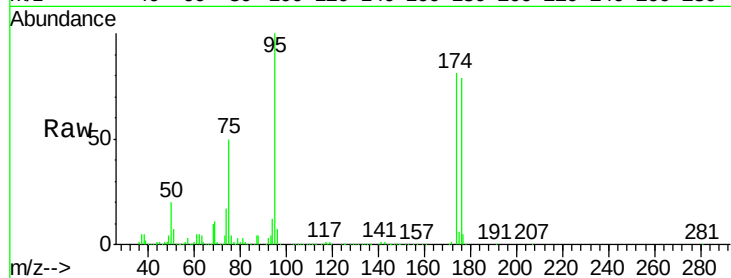
#62
4-Bromofluorobenzene
Concen: 46.541 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
NW1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	569125		
174	81.9	0.0	165.6	
176	78.4	0.0	157.4	

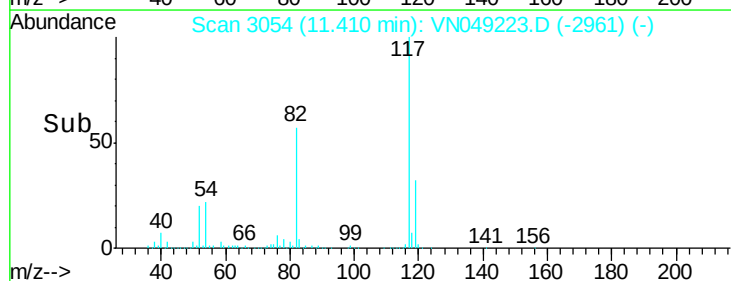
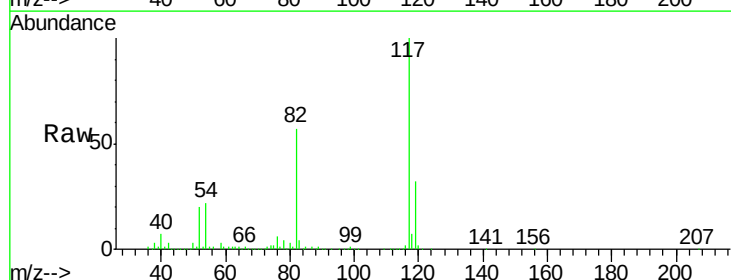
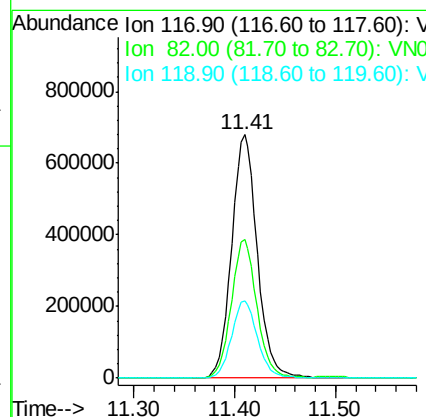
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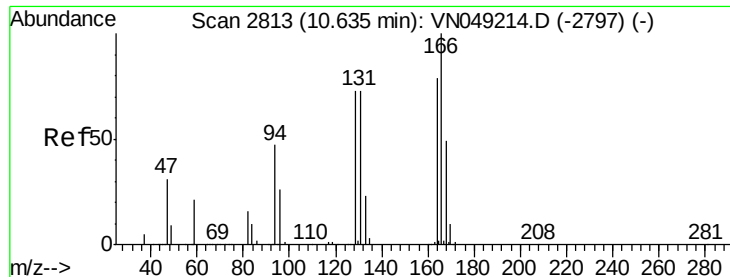
MMDadoda
6/15/2018 1:15:20 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1203739		
82	57.1	45.9	68.9	
119	31.8	25.5	38.3	





#64

Tetrachloroethene

Concen: 0.557 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

NW1

Tot Ion:164 Resp: 6720

Ion Ratio Lower Upper

164 100

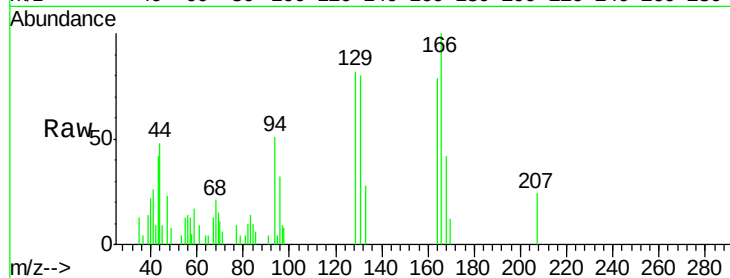
166 126.2 101.4 152.2

129 103.5 74.1 111.1

131 101.3 73.7 110.5

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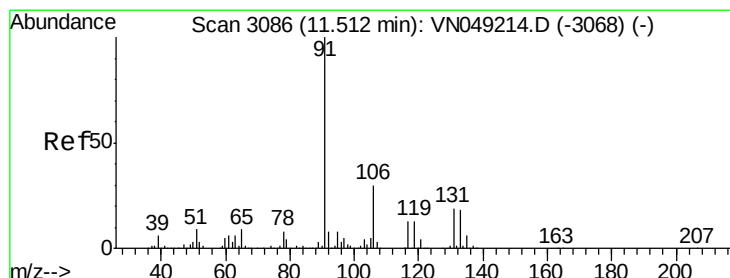
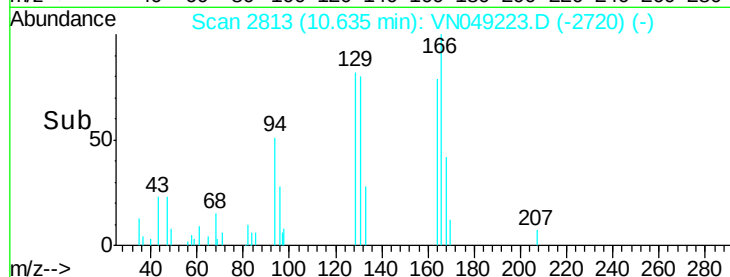
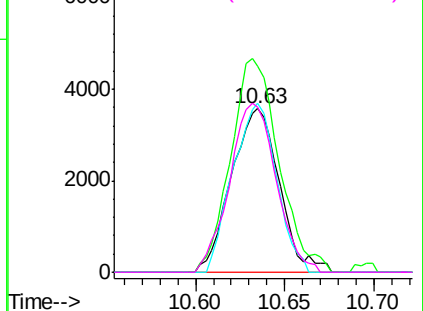


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 49.515 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049223.D

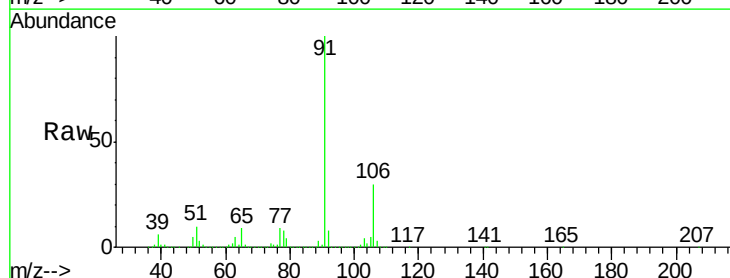
Acq: 14 Jun 2018 13:15

Tgt Ion: 91 Resp: 2652573

Ion Ratio Lower Upper

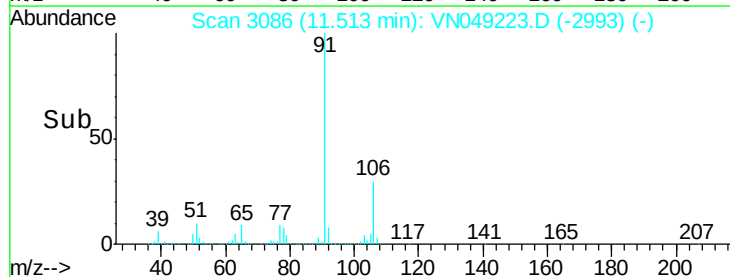
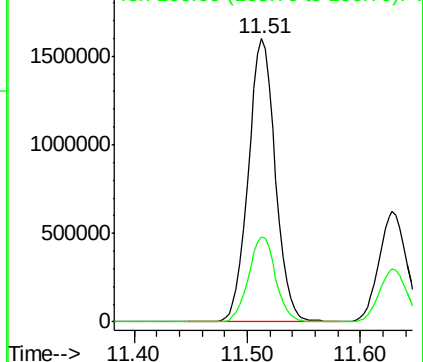
91 100

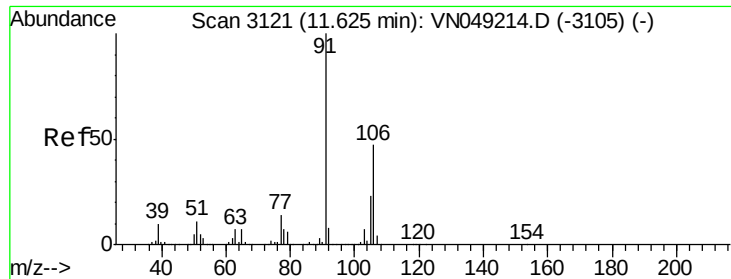
106 30.0 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





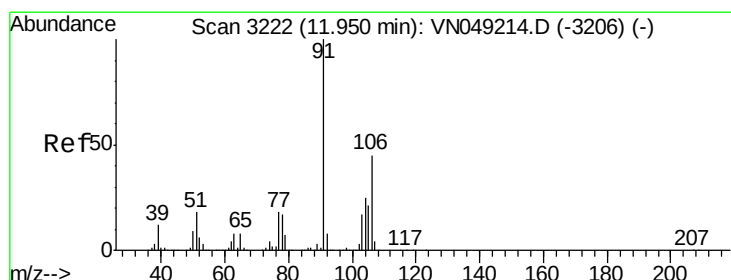
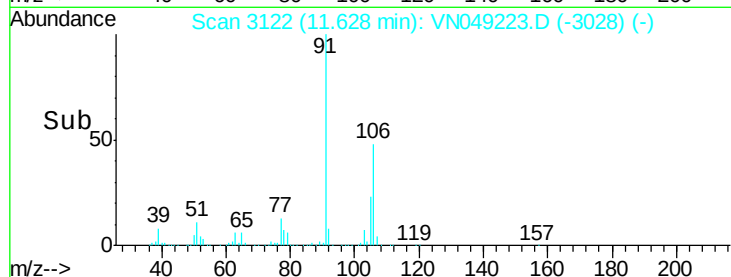
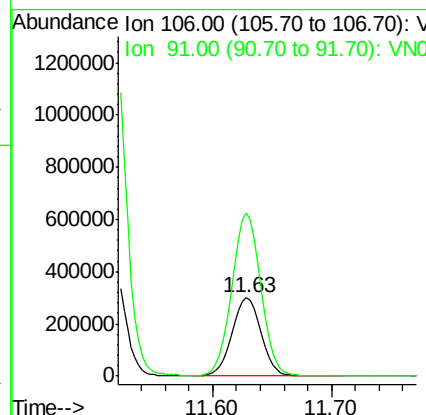
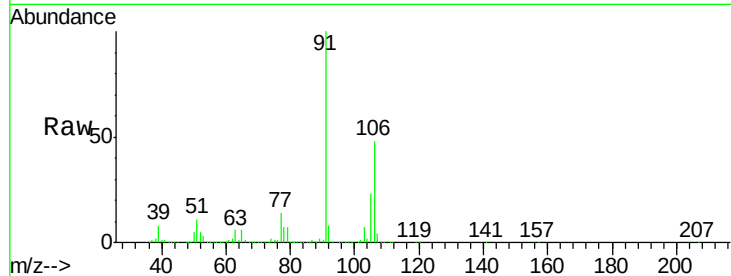
#68
m/p-Xylenes
Concen: 25.950 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
NW1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.9	167.3	508373	250.9	

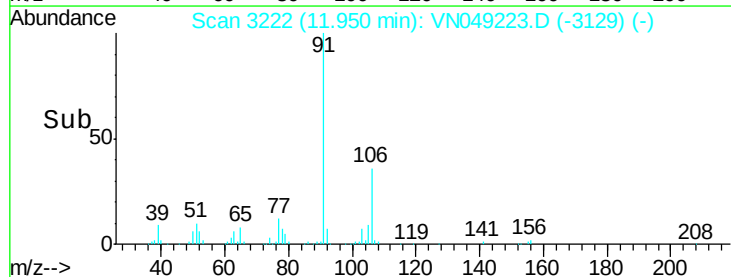
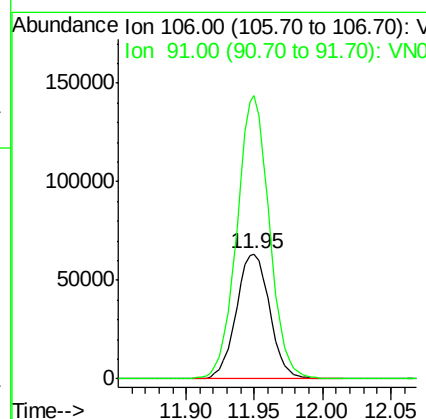
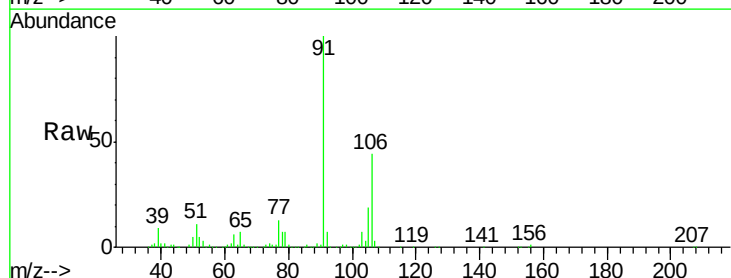
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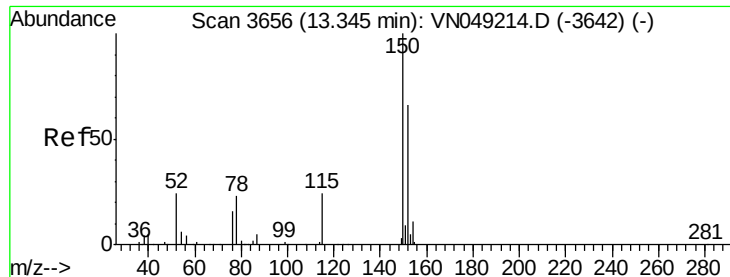
MMDadoda
6/15/2018 1:15:20 PM



#69
o-Xylene
Concen: 5.712 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.8	111.0	107761	333.0	





#72

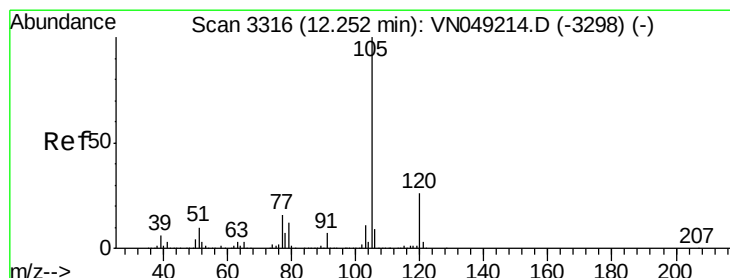
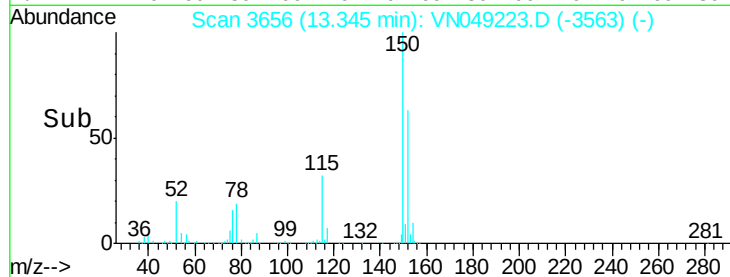
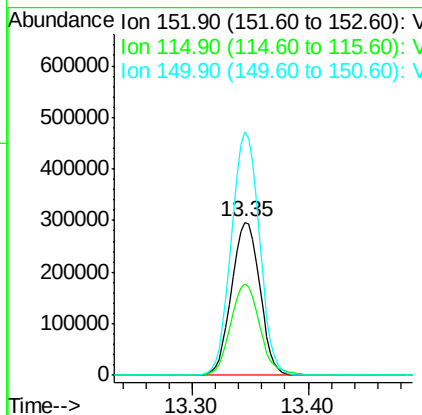
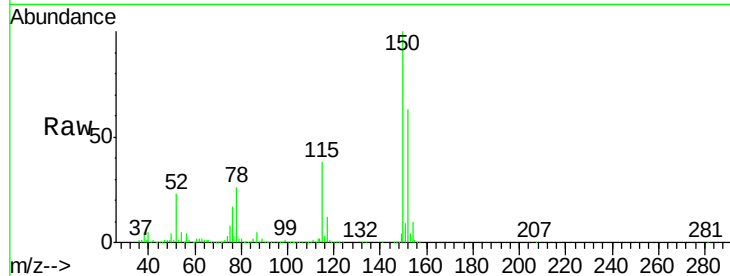
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
NW1

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.3	28.7	86.1
150	157.3	0.0	351.0

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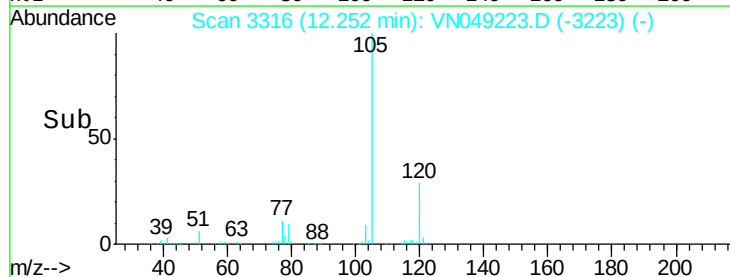
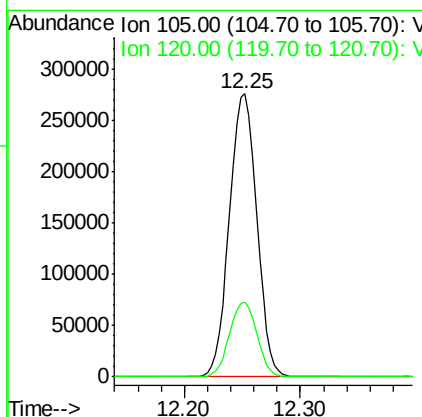
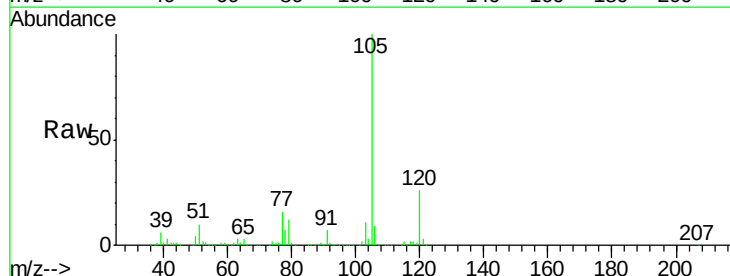
MMDadoda
6/15/2018 1:15:20 PM

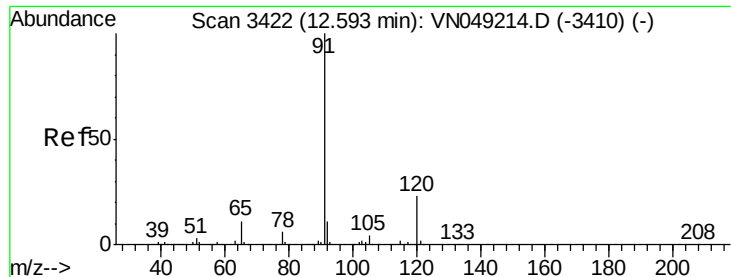


#73

Isopropylbenzene
Concen: 9.404 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.3





#78

n-propylbenzene

Concen: 11.644 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

NW1

Tot Ion: 91 Resp: 620635

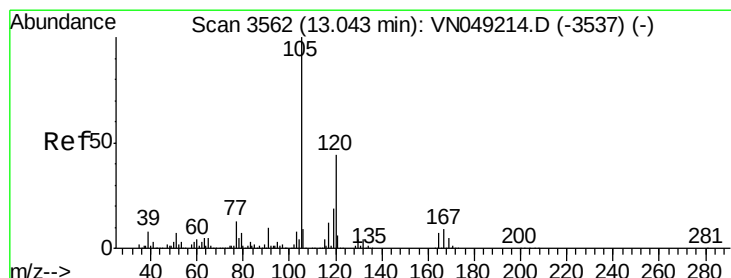
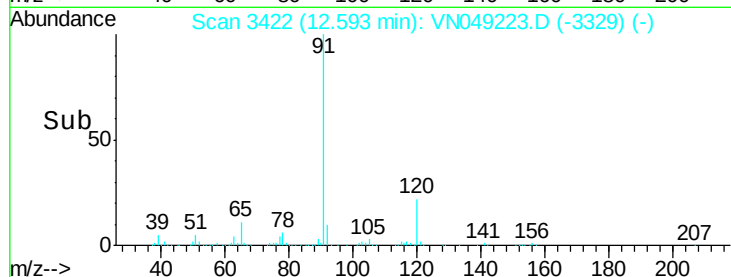
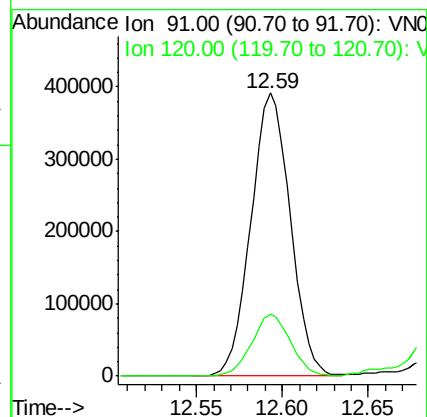
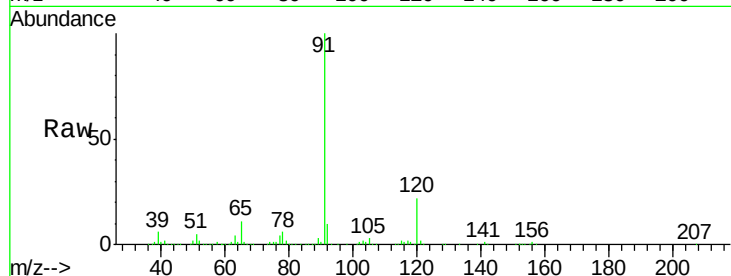
Ion Ratio Lower Upper

91 100

120 21.6 11.2 33.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 30.397 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049223.D

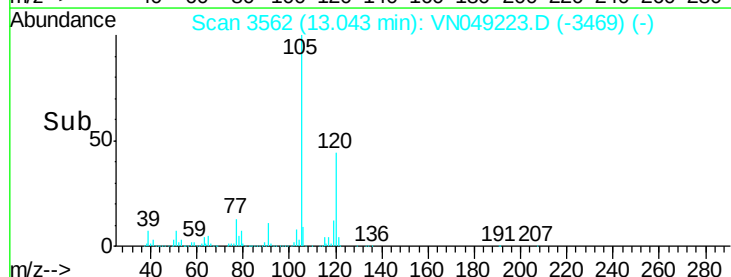
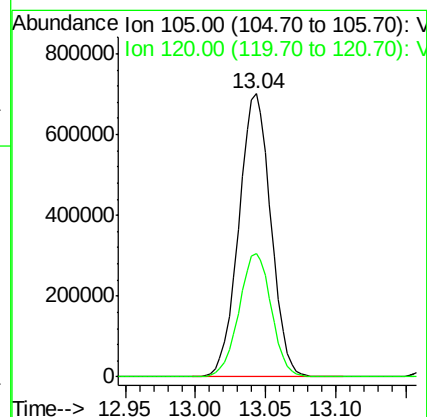
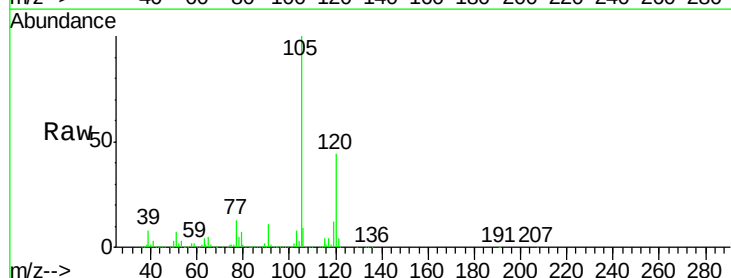
Acq: 14 Jun 2018 13:15

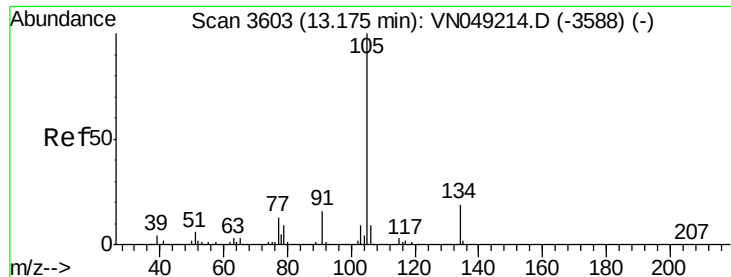
Tgt Ion: 105 Resp: 1111505

Ion Ratio Lower Upper

105 100

120 44.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.491 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

NW1

Tot Ion: 105 Resp: 62990

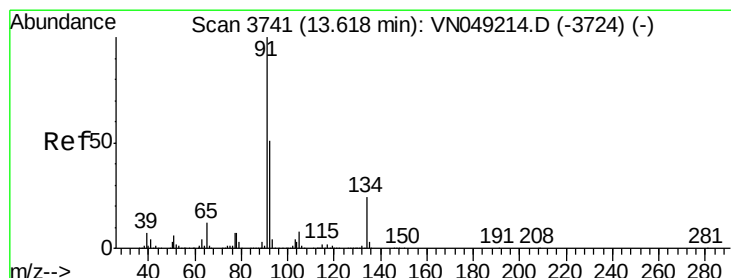
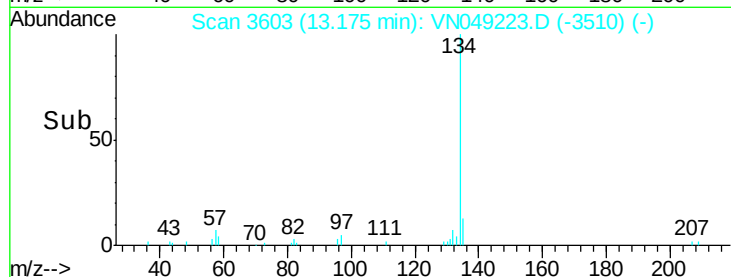
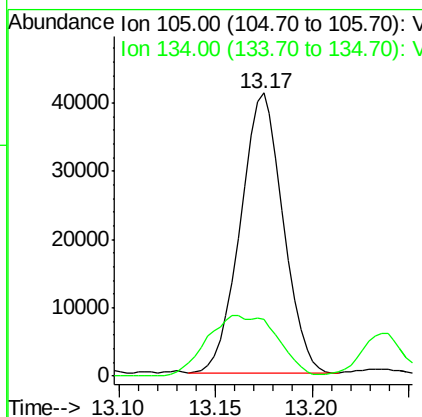
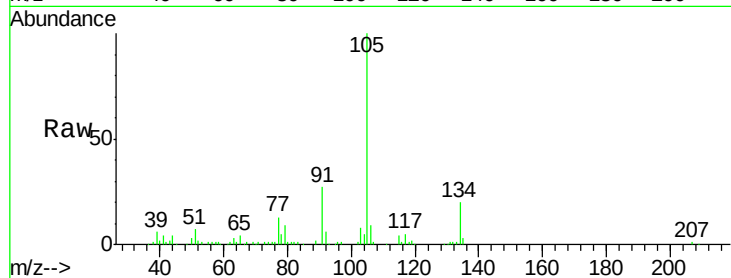
Ion Ratio Lower Upper

105 100

134 35.8 9.8 29.3#

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#89

n-Butylbenzene

Concen: 3.676 ug/l m

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

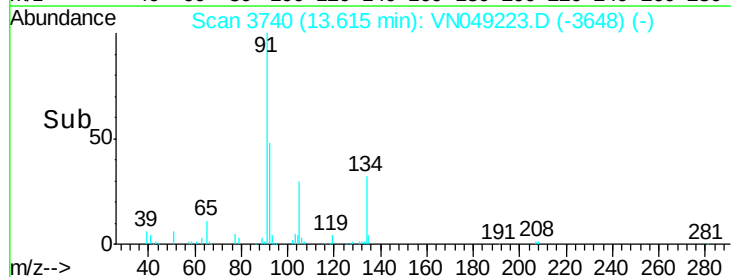
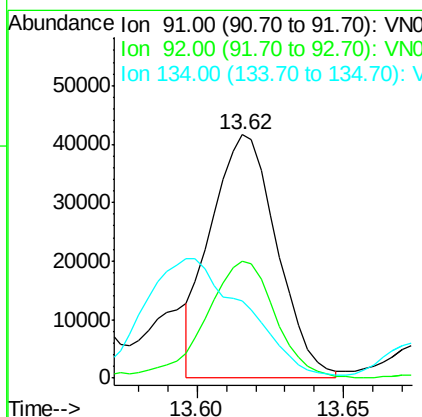
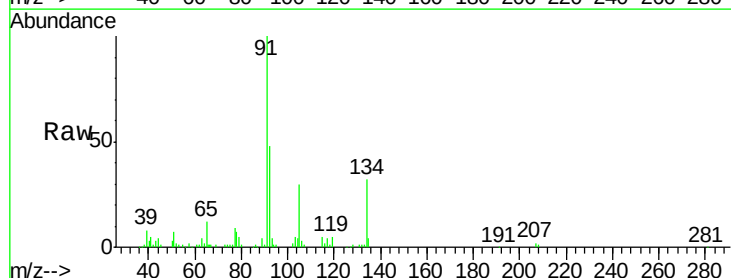
Tgt Ion: 91 Resp: 65562

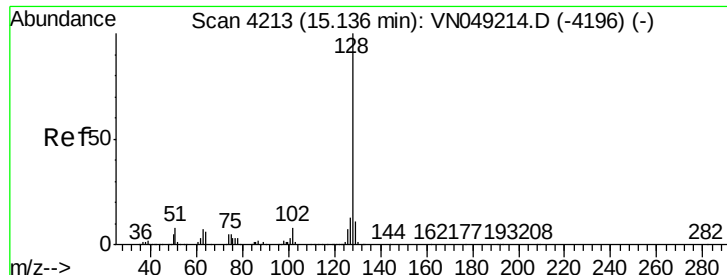
Ion Ratio Lower Upper

91 100

92 49.2 25.1 75.4

134 71.4 12.0 36.0#





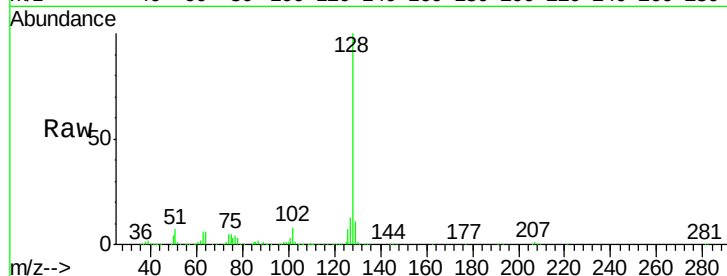
#95
Naphthalene
Concen: 57.308 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
NW1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.5	12.7

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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

