

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050068.D
 Acq On : 26 Jul 2018 1:58
 Operator : MD\SY
 Sample : J3821-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-072418-C

Quant Time: Jul 26 07:00:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	651256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	925326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	374120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	459257	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.59	113	410831	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
50) Toluene-d8	10.09	98	1466936	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.40	95	420374	39.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.30%	

Target Compounds

						Qvalue
5) Bromomethane	2.55	94	60	Below Cal	#	3
16) Acetone	3.83	43	24027	7.01	ug/l	92
18) Methyl Acetate	4.34	43	30431	2.09	ug/l	95
20) Methylene Chloride	4.55	84	88511	9.98	ug/l	98
25) 2-Butanone	6.84	43	2347	0.68	ug/l	99
29) Tetrahydrofuran	7.24	42	1873	0.84	ug/l	# 41
30) Chloroform	7.38	83	15837	1.03	ug/l	99
31) Cyclohexane	7.66	56	12471	0.93	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46949	3.84	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	60749	4.68	ug/l	# 16
41) Methacrylonitrile	7.23	41	886	2.94	ug/l	# 17
43) Isopropyl Acetate	8.17	43	312711	18.73	ug/l	# 90
47) Bromodichloromethane	9.41	83	4206	0.33	ug/l	# 82
48) Methyl methacrylate	9.19	41	9090	1.24	ug/l	# 23
51) 4-Methyl-2-Pentanone	9.99	43	2230	0.27	ug/l	# 84
52) Toluene	10.16	92	6918	0.31	ug/l	93
56) Ethyl methacrylate	10.24	69	2448	2.23	ug/l	# 72
59) 2-Hexanone	10.77	43	17038	7.88	ug/l	# 60
67) Ethyl Benzene	11.51	91	24716	0.66	ug/l	98
68) m/p-Xylenes	11.62	106	25704	1.81	ug/l	98
69) o-Xylene	11.95	106	13206	0.98	ug/l	99
70) Styrene	11.96	104	3916	1.08	ug/l	# 42
71) Bromoform	12.41	173	3224	0.49	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	359	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	207323	29.82	ug/l	# 100
78) n-propylbenzene	12.59	91	8905	0.27	ug/l	96
79) 2-Chlorotoluene	12.66	91	6897	0.34	ug/l	# 40
80) 1,3,5-Trimethylbenzene	12.73	105	34232	1.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207323	94.58	ug/l	# 13
82) 4-Chlorotoluene	12.73	91	4442	0.22	ug/l	# 41
84) 1,2,4-Trimethylbenzene	13.04	105	58711	2.55	ug/l	100
86) p-Isopropyltoluene	13.29	119	5282	0.24	ug/l	91
90) Hexachloroethane	13.89	117	3192	0.64	ug/l	# 4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	509	Below Cal	#	1

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Quant Title : SW846 8260
QLast Update : Tue Jul 24 06:27:04 2018
Response via : Initial Calibration

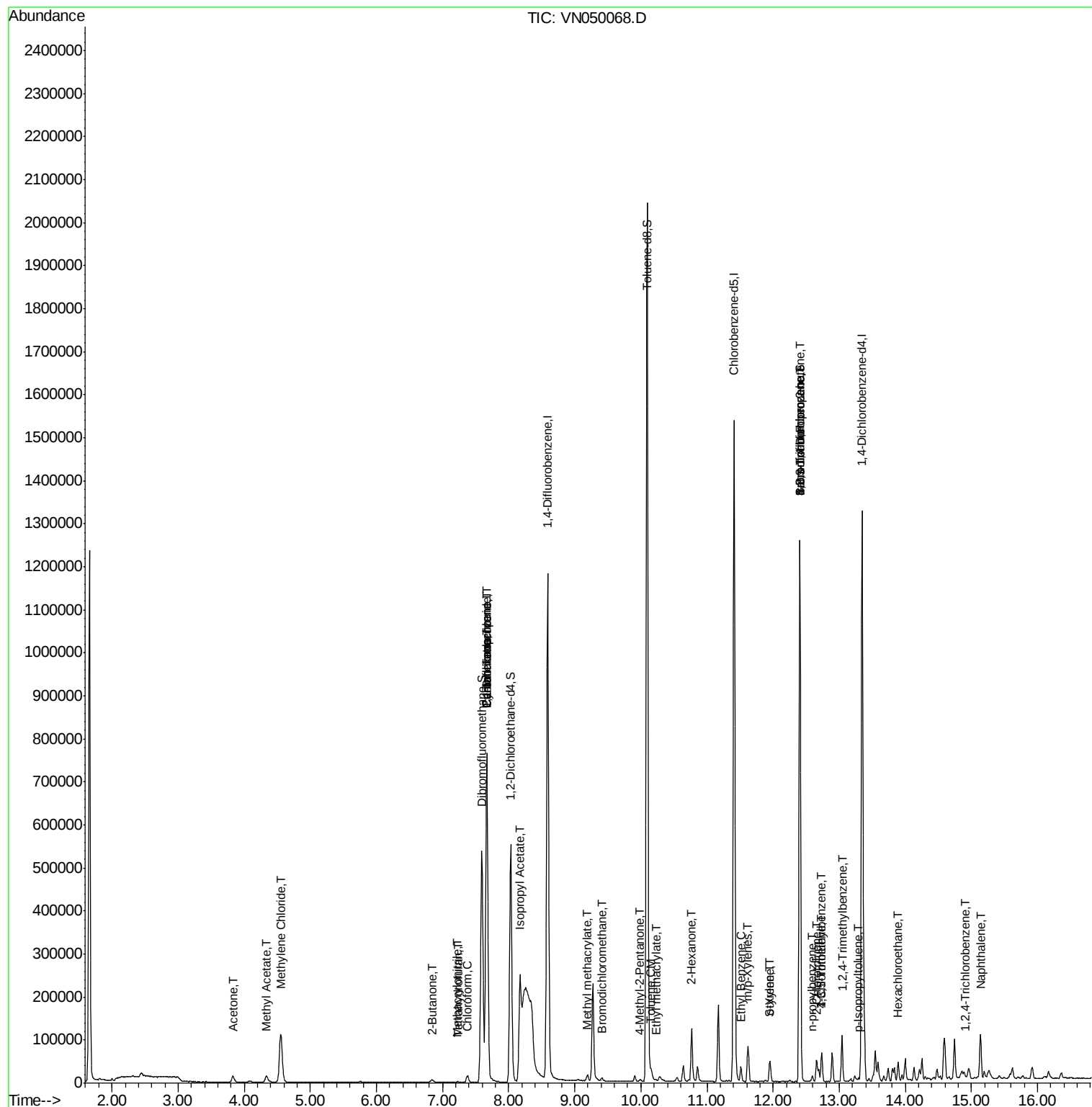
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	363	3.13	ug/l #	1
95) Naphthalene	15.14	128	91169	9.28	ug/l	98

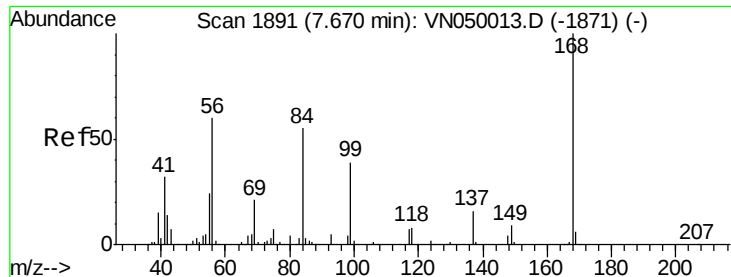
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

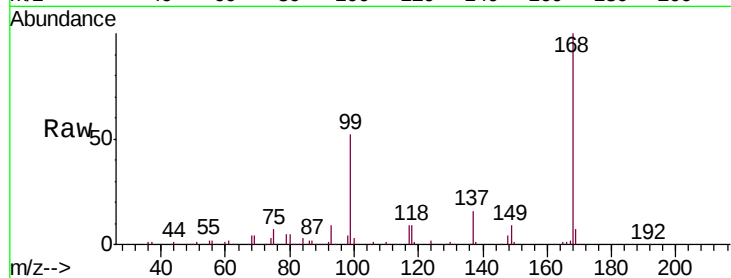
HR-06-072418-C

Tot Ion:168 Resp: 651256

Ion Ratio Lower Upper

168 100

99 51.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

100000

50000

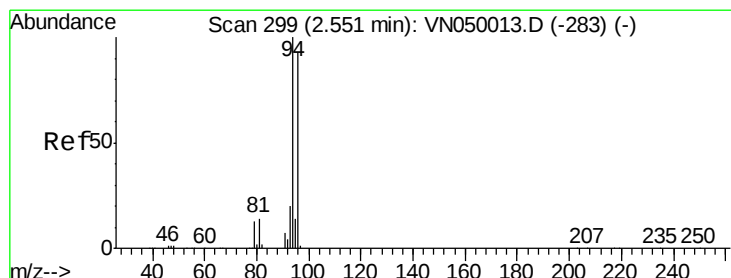
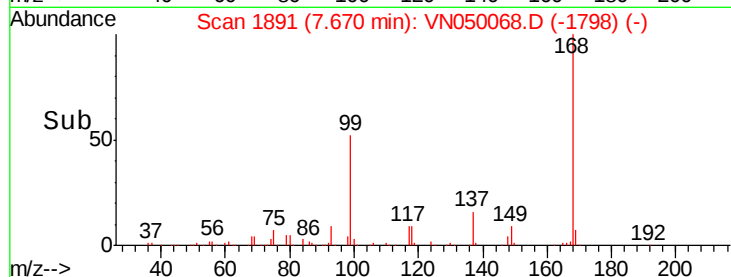
0

Time-->

7.60

7.70

7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 298

Delta R.T. -0.00 min

Lab File: VN050068.D

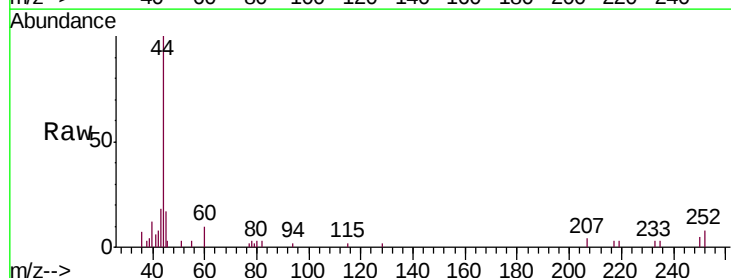
Acq: 26 Jul 2018 1:58

Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

200

150

100

50

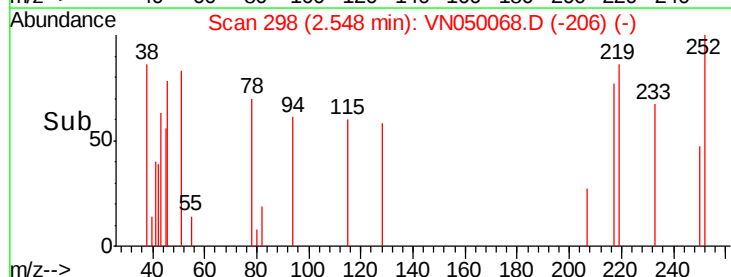
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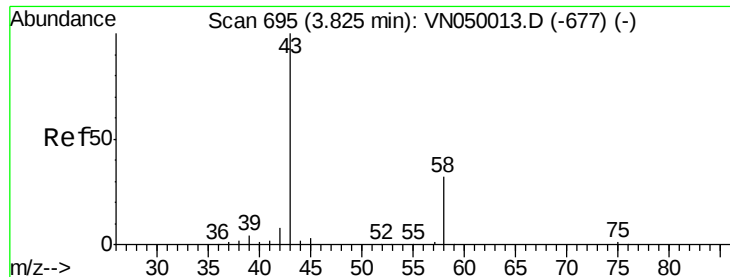
Time-->

2.54

2.55

2.56





#16

Acetone

Concen: 7.01 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

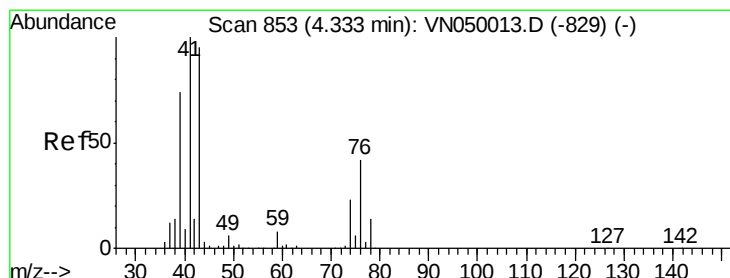
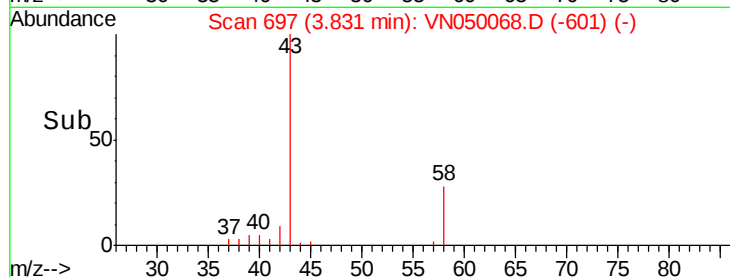
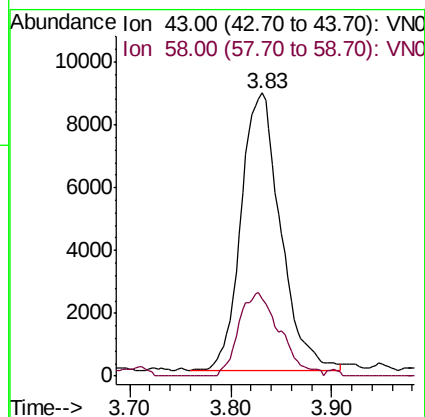
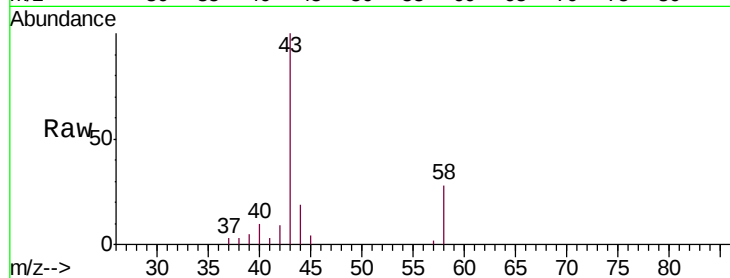
HR-06-072418-C

Tot Ion: 43 Resp: 24027

Ion Ratio Lower Upper

43 100

58 28.1 25.8 38.8



#18

Methyl Acetate

Concen: 2.09 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050068.D

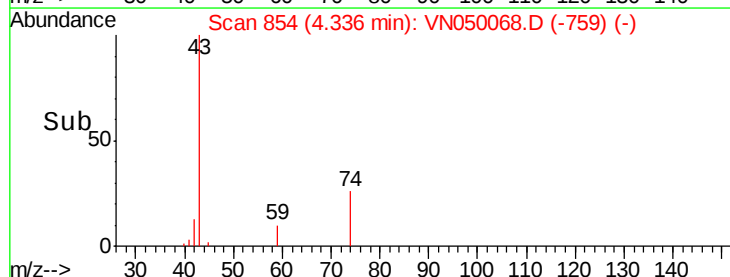
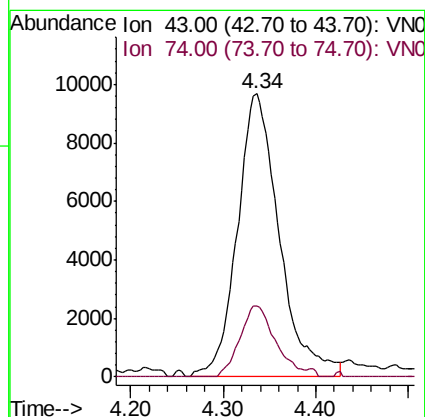
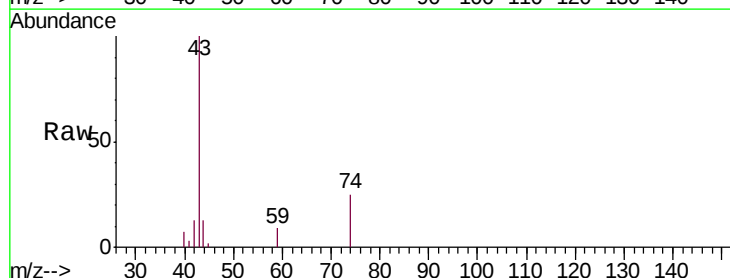
Acq: 26 Jul 2018 1:58

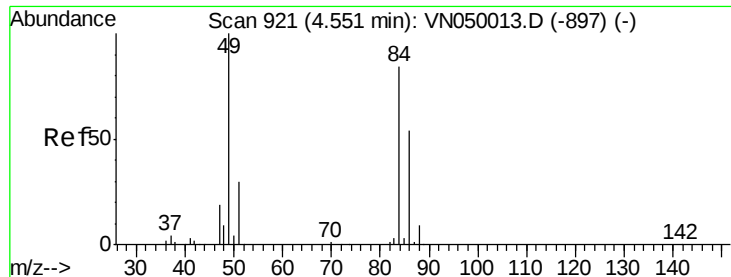
Tgt Ion: 43 Resp: 30431

Ion Ratio Lower Upper

43 100

74 21.3 19.2 28.8

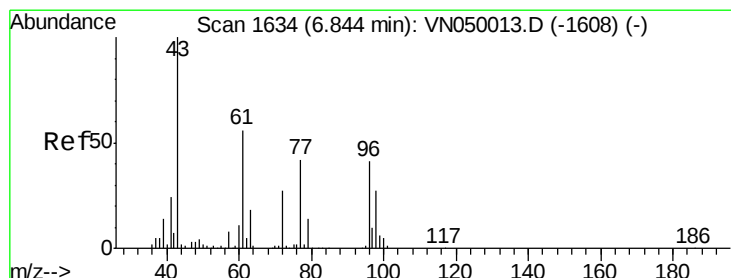
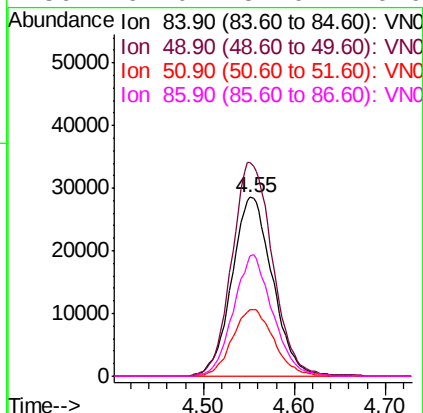
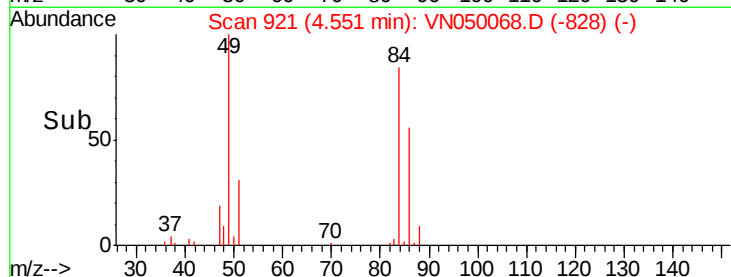
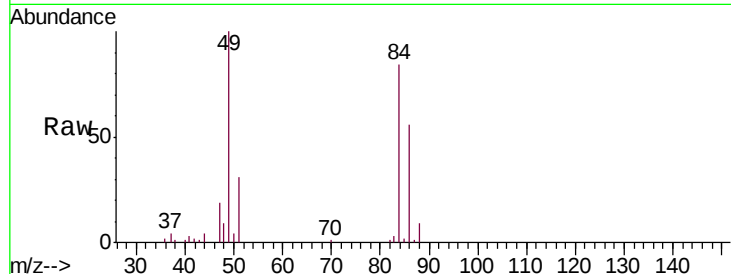




#20
Methvlene Chloride
Concen: 9.98 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

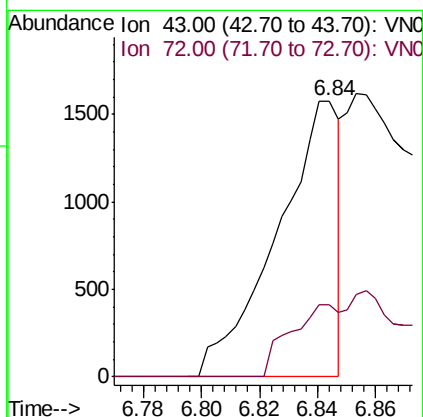
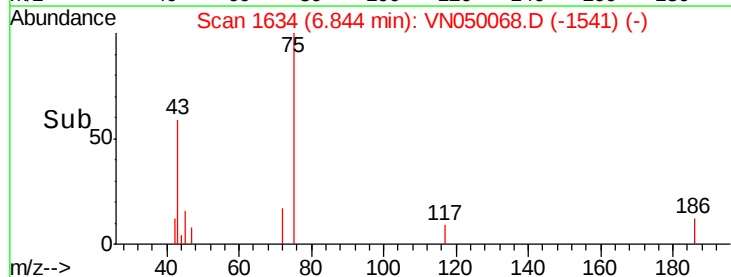
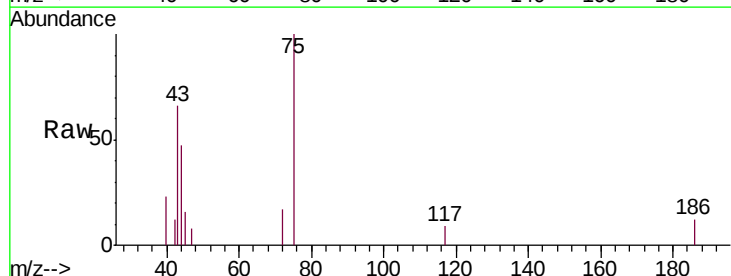
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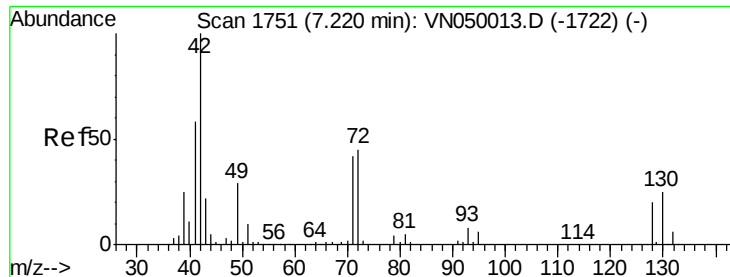
Tot Ion: 84 Resp: 88511
Ion Ratio Lower Upper
84 100
49 119.5 94.8 142.2
51 36.9 28.3 42.5
86 67.0 51.0 76.6



#25
2-Butanone
Concen: 0.68 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

Tgt Ion: 43 Resp: 2347
Ion Ratio Lower Upper
43 100
72 26.3 21.5 32.3





#29

Tetrahydrofuran

Concen: 0.84 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.02 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

HR-06-072418-C

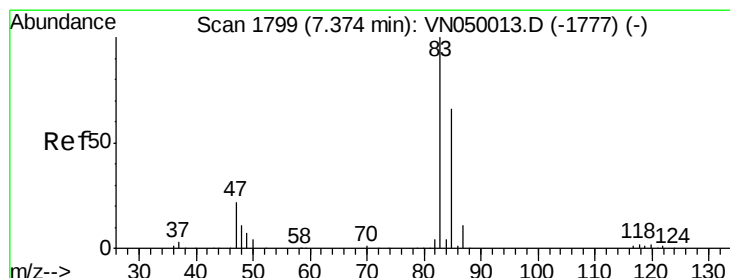
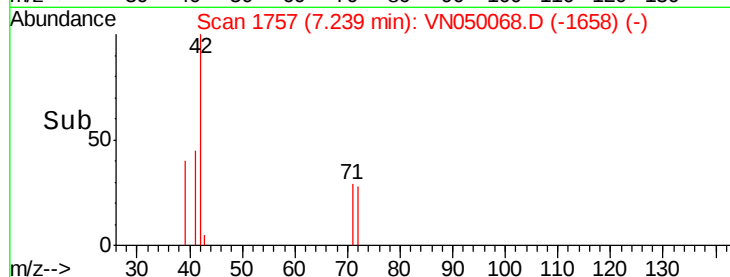
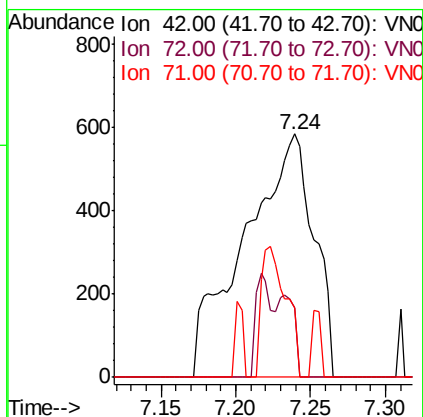
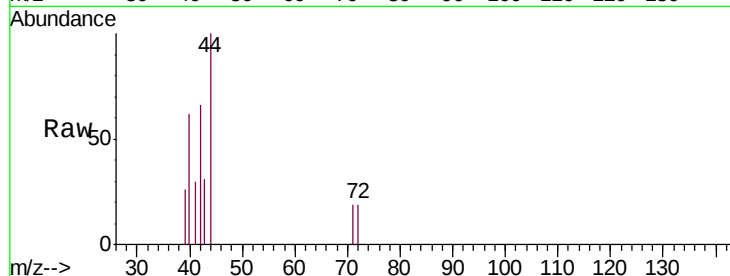
Tot Ion: 42 Resp: 1873

Ion Ratio Lower Upper

42 100

72 7.6 35.9 53.9#

71 3.3 33.7 50.5#



#30

Chloroform

Concen: 1.03 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050068.D

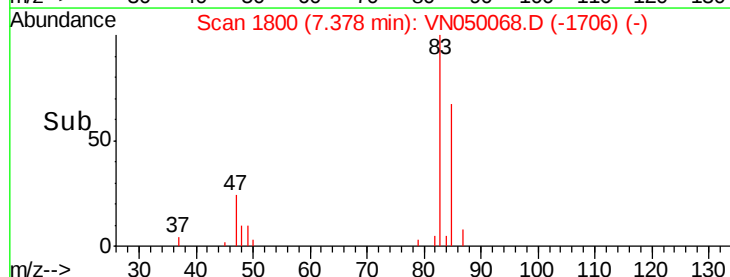
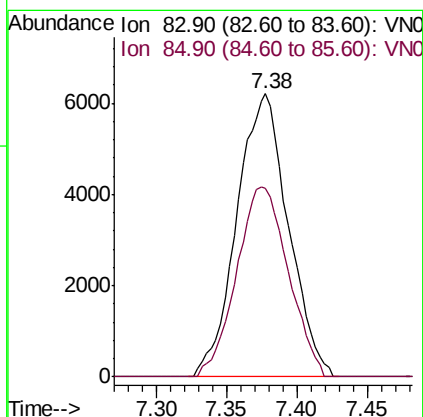
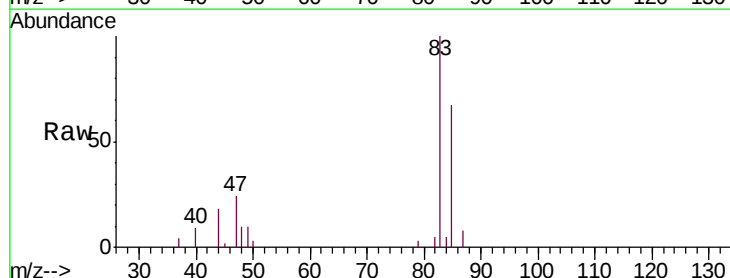
Acq: 26 Jul 2018 1:58

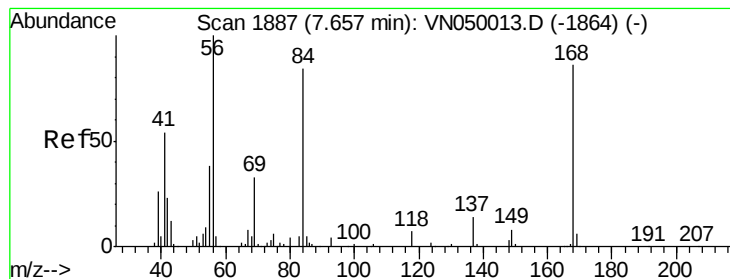
Tgt Ion: 83 Resp: 15837

Ion Ratio Lower Upper

83 100

85 66.6 52.5 78.7





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

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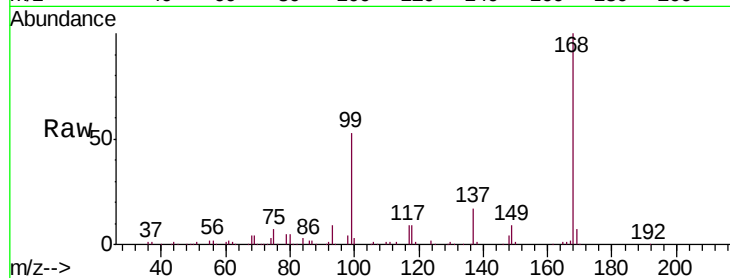
Tot Ion: 56 Resp: 12471

Ion Ratio Lower Upper

56 100

69 182.6 26.2 39.4#

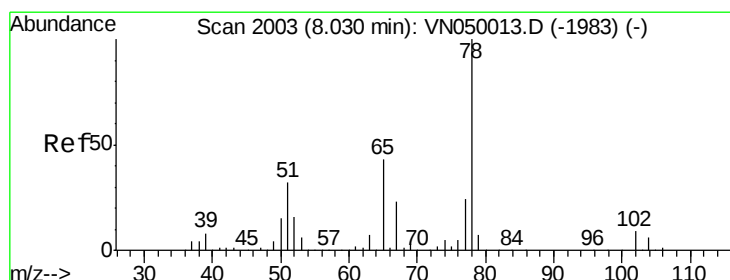
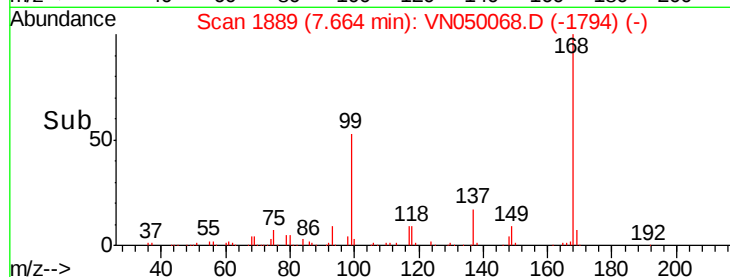
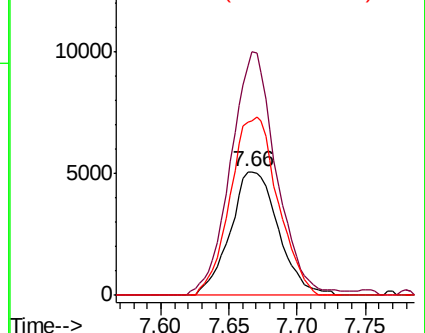
84 140.3 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.54 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050068.D

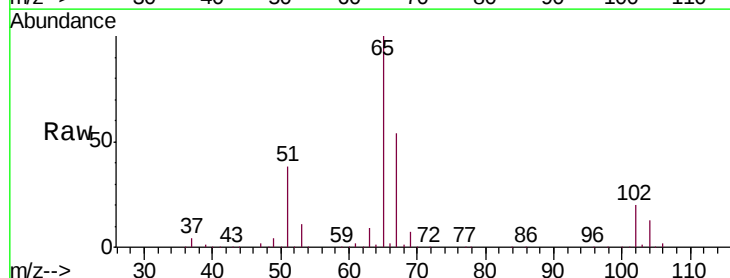
Acq: 26 Jul 2018 1:58

Tgt Ion: 65 Resp: 459257

Ion Ratio Lower Upper

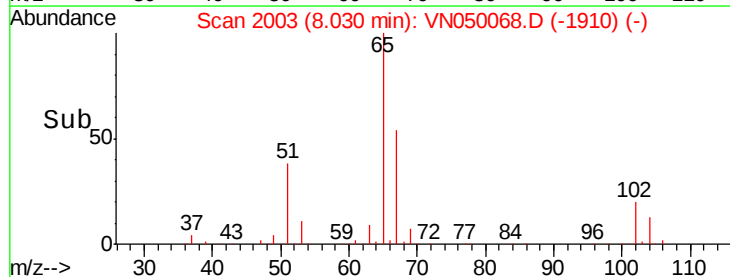
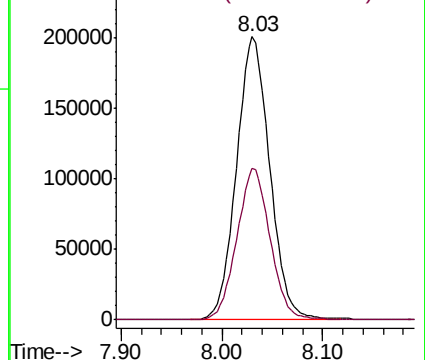
65 100

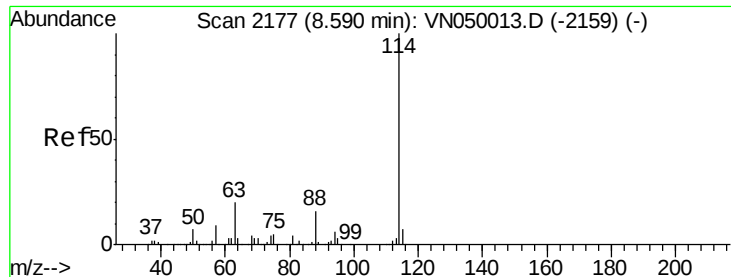
67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

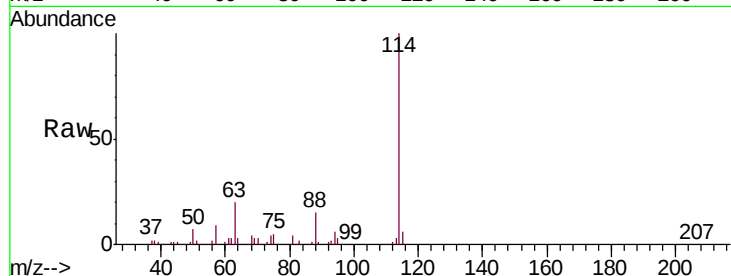




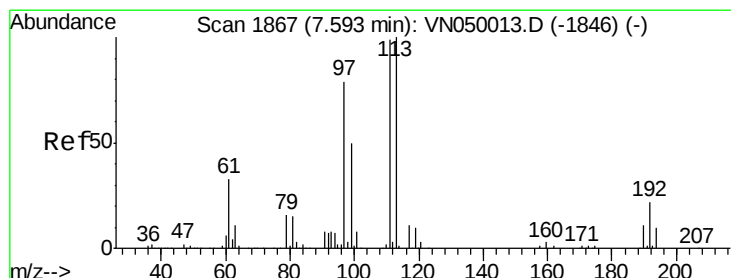
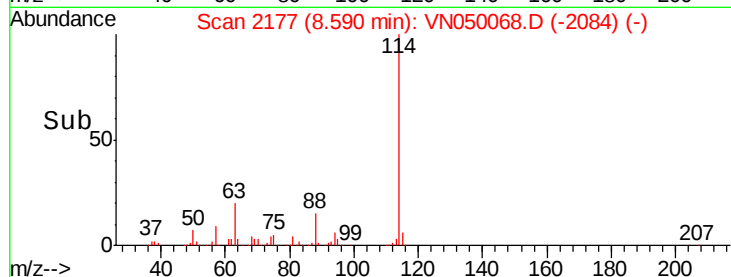
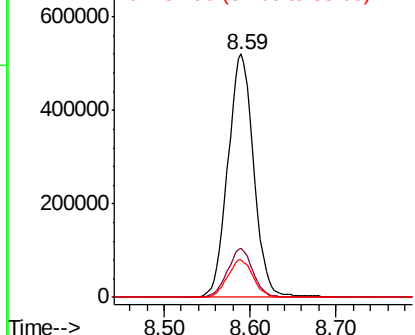
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050068.D
 Acq: 26 Jul 2018 1:58

Instrument :
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 HR-06-072418-C

Tot Ion:114 Resp: 1086473
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.3 0.0 31.2

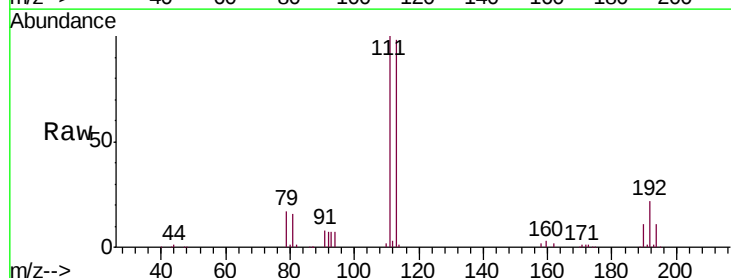


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

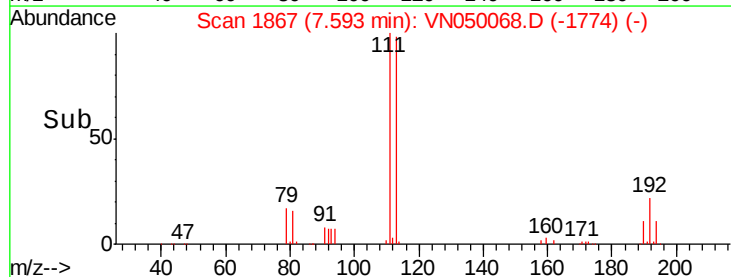
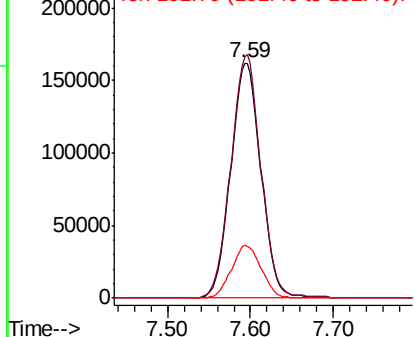


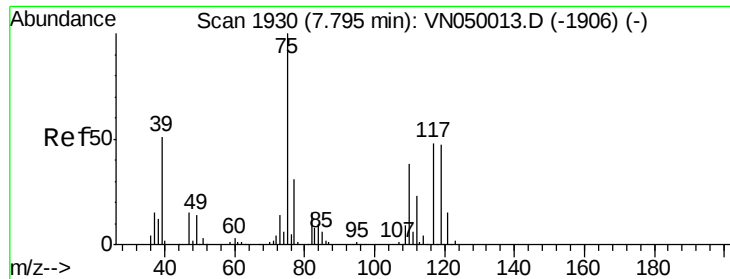
#35
 Dibromofluoromethane
 Concen: 46.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050068.D
 Acq: 26 Jul 2018 1:58

Tgt Ion:113 Resp: 410831
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.7 121.1
 192 22.2 17.8 26.6



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

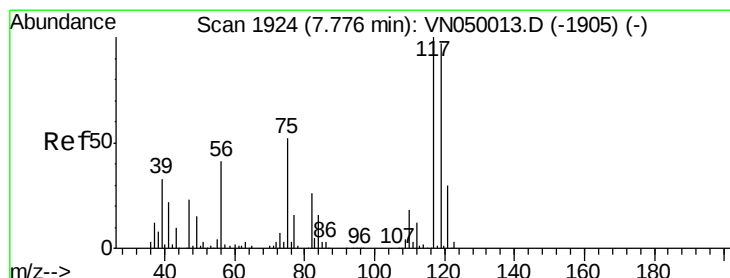
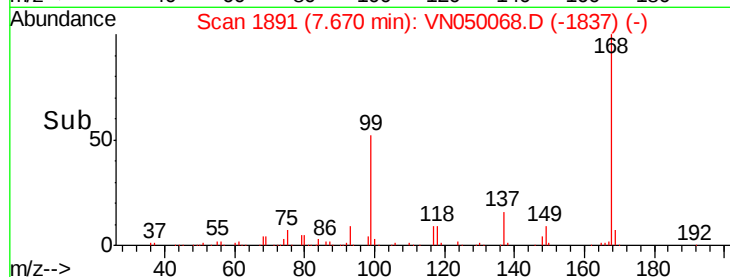
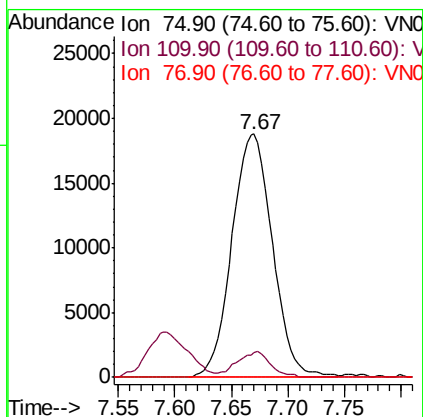
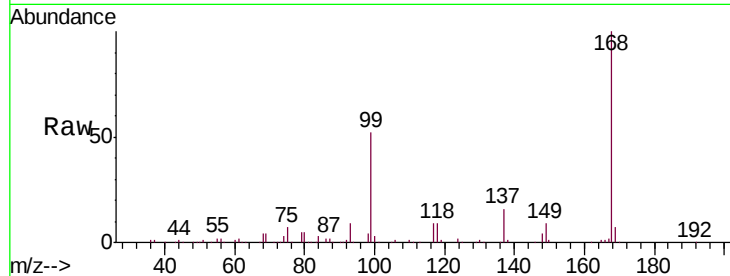




#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050068.D
 Acq: 26 Jul 2018 1:58

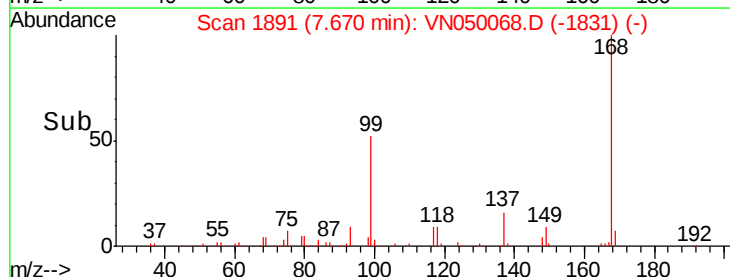
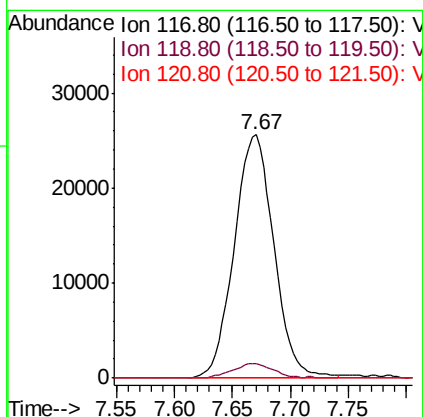
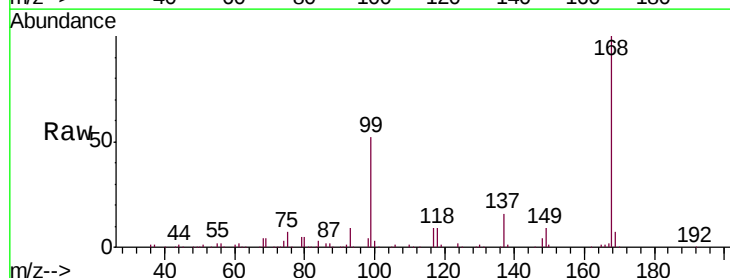
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-072418-C

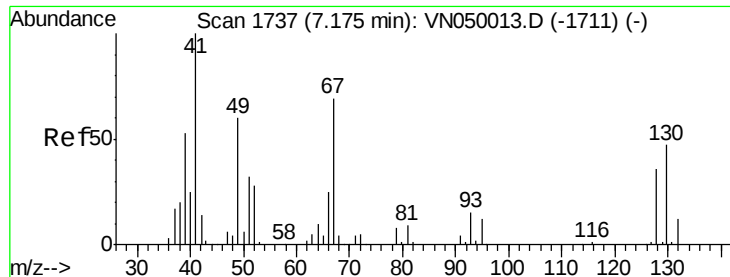
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.68 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050068.D
 Acq: 26 Jul 2018 1:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.4	116.0#
121	0.0	23.9	35.9#

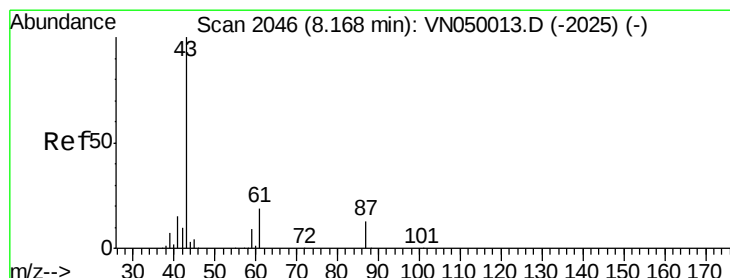
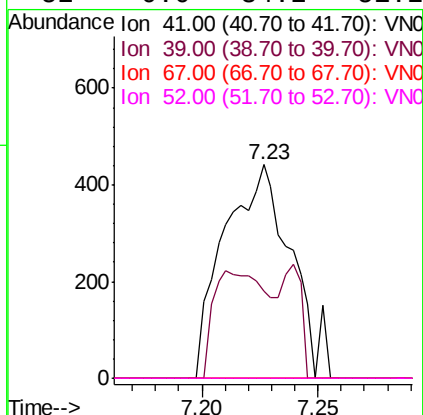
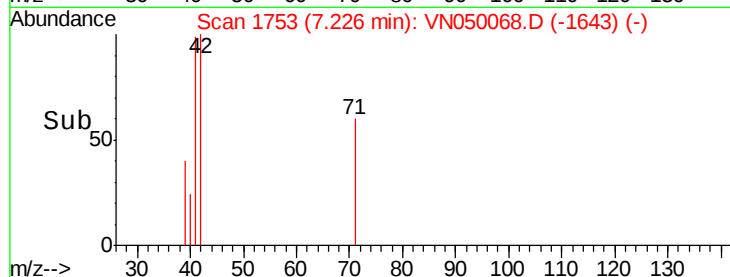
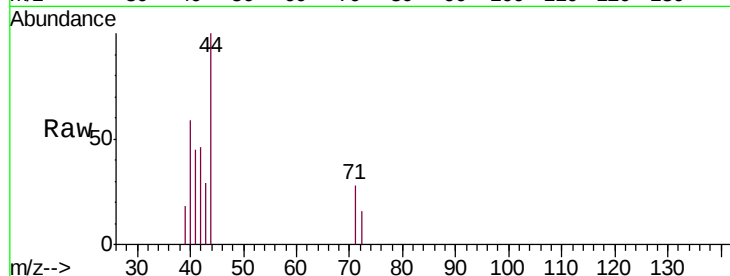




#41
Methacrylonitrile
Concen: 2.94 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

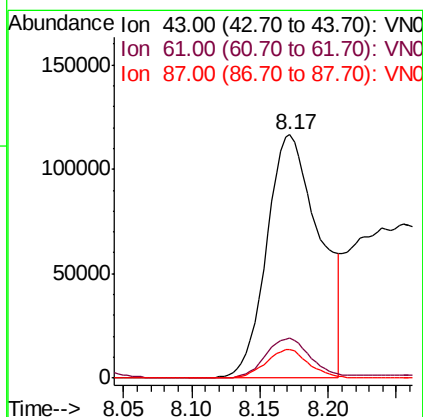
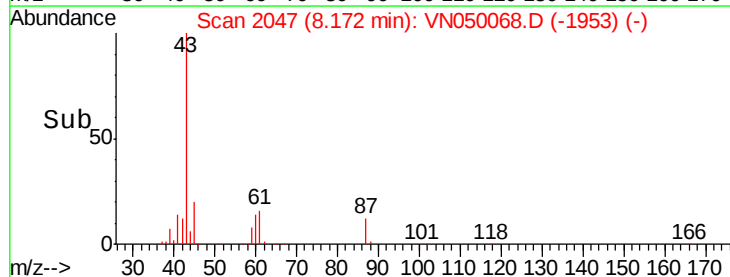
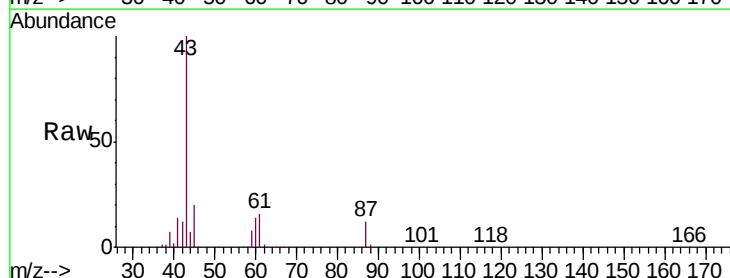
Instrument :
MSVOA_N
ClientSampleId :
HR-06-072418-C

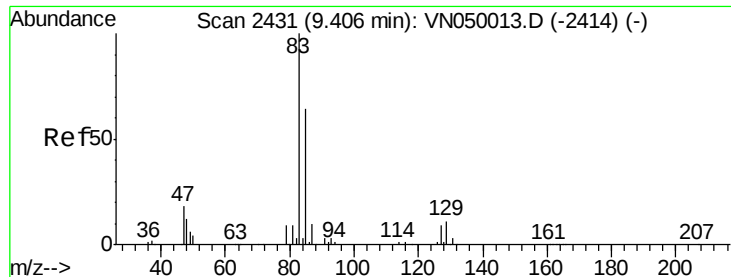
Tot Ion: 41 Resp: 886
Ion Ratio Lower Upper
41 100
39 17.8 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 18.73 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

Tgt Ion: 43 Resp: 312711
Ion Ratio Lower Upper
43 100
61 14.5 15.8 23.6#
87 9.7 10.3 15.5#





#47

Bromodichloromethane

Concen: 0.33 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

HR-06-072418-C

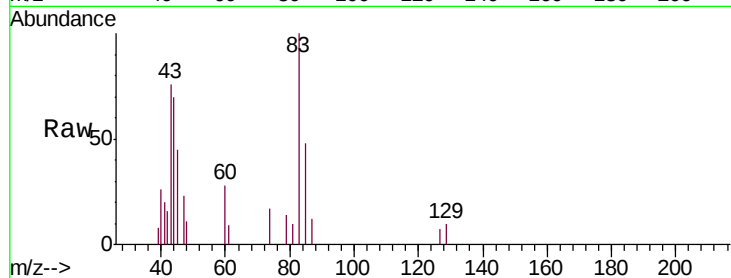
Tot Ion: 83 Resp: 4206

Ion Ratio Lower Upper

83 100

85 48.3 51.1 76.7#

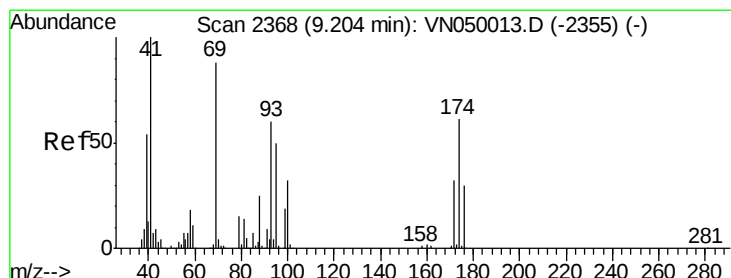
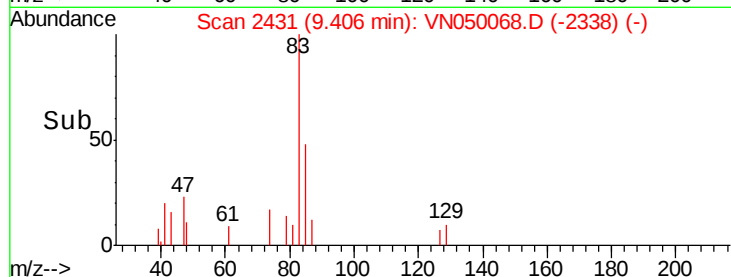
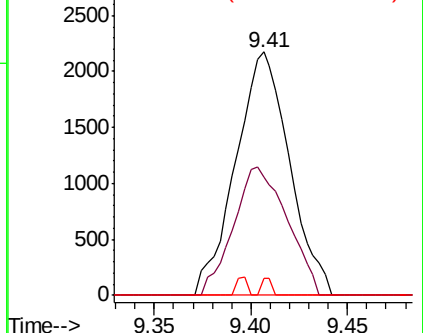
127 7.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050013.D (-2414) (-)

Ion 84.90 (84.60 to 85.60): VN050013.D (-2414) (-)

Ion 126.80 (126.50 to 127.50): VN050013.D (-2414) (-)



#48

Methyl methacrylate

Concen: 1.24 ug/l

RT: 9.19 min Scan# 2363

Delta R.T. -0.02 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

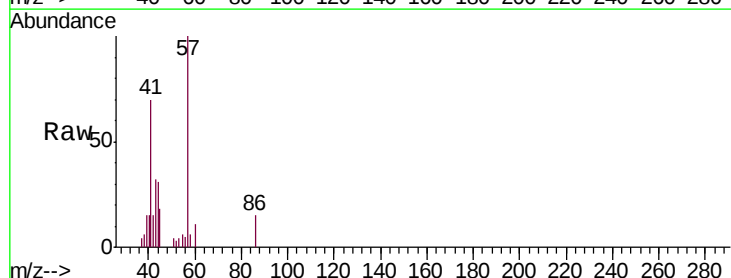
Tgt Ion: 41 Resp: 9090

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

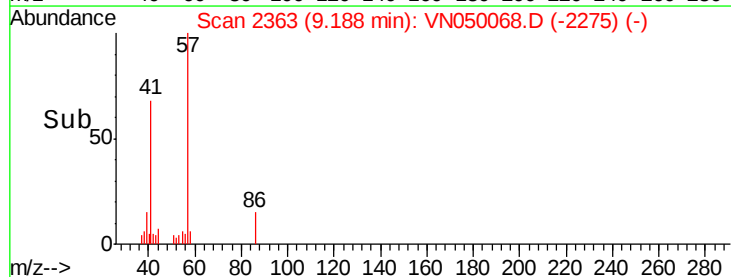
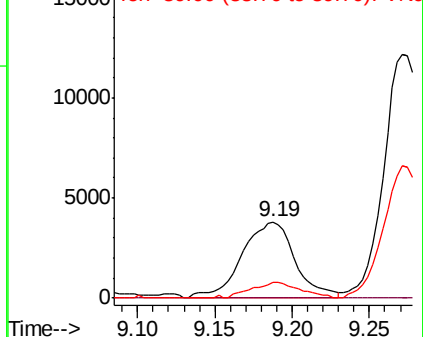
39 19.0 43.9 65.9#

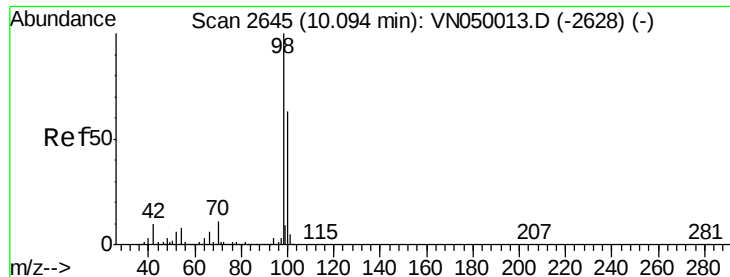


Abundance Ion 41.00 (40.70 to 41.70): VN050013.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050013.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050013.D (-2355) (-)





#50

Toluene-d8

Concen: 44.98 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

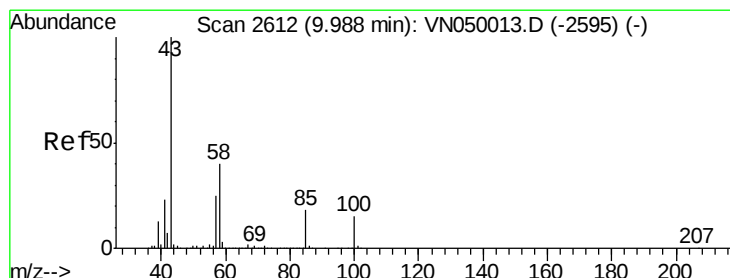
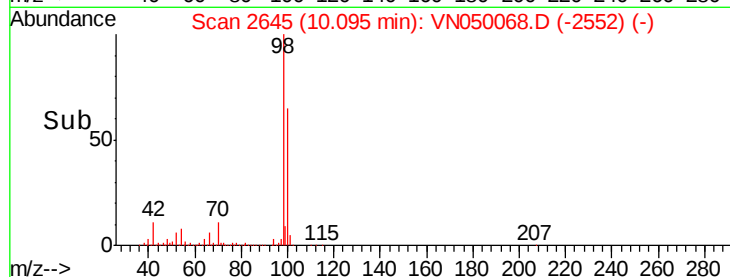
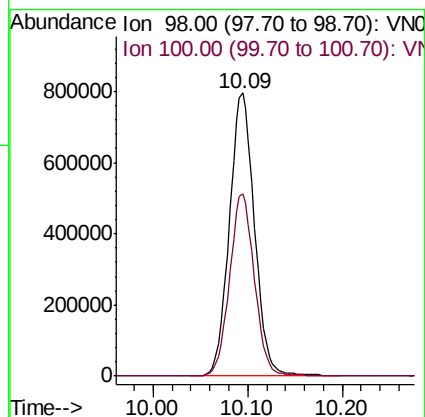
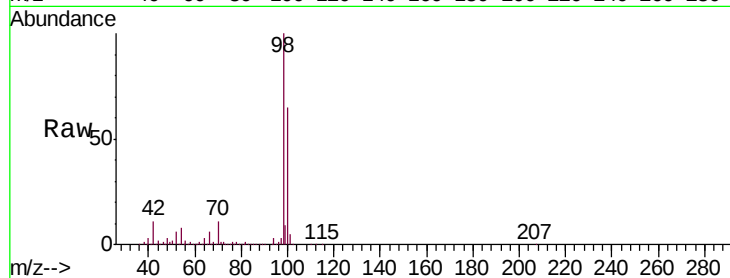
HR-06-072418-C

Tot Ion: 98 Resp: 1466936

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050068.D

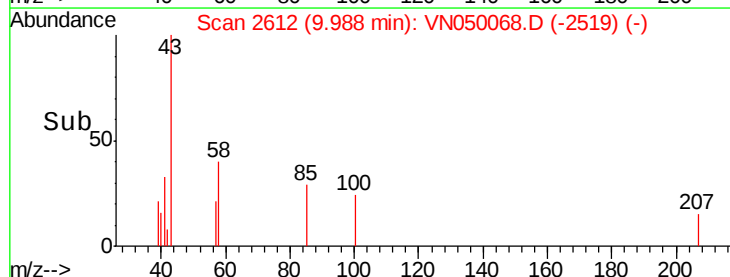
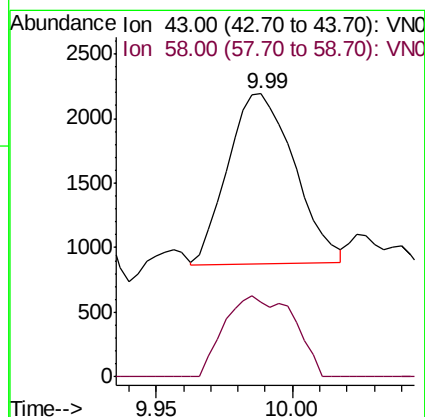
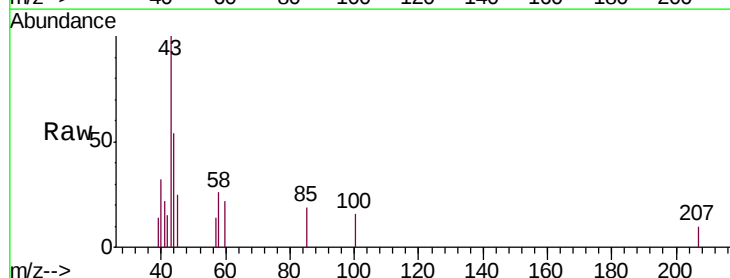
Acq: 26 Jul 2018 1:58

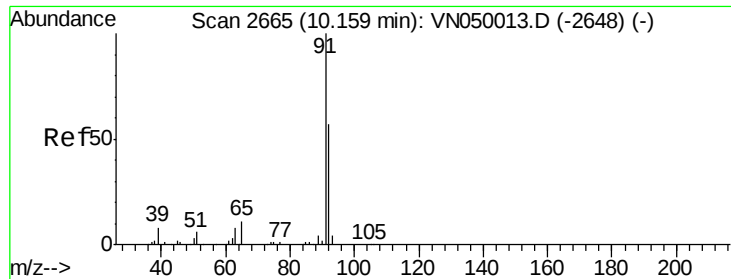
Tgt Ion: 43 Resp: 2230

Ion Ratio Lower Upper

43 100

58 49.7 31.9 47.9#





#52

Toluene

Concen: 0.31 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

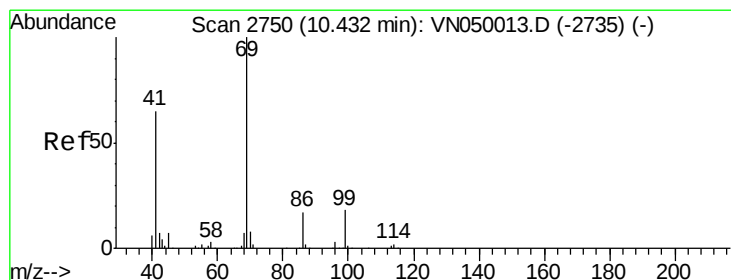
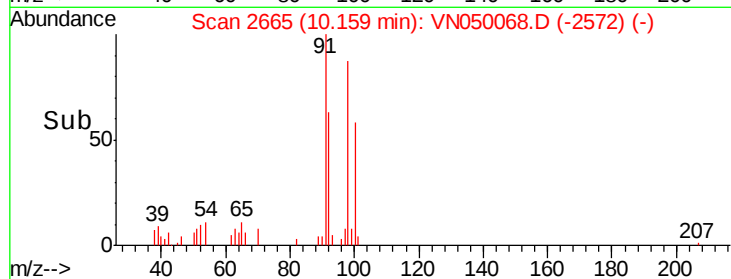
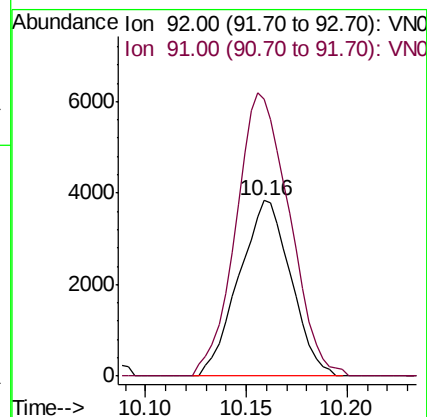
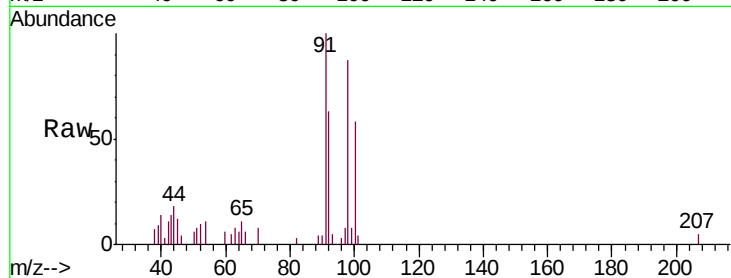
HR-06-072418-C

Tot Ion: 92 Resp: 6918

Ion Ratio Lower Upper

92 100

91 165.9 140.3 210.5



#56

Ethyl methacrylate

Concen: 2.23 ug/l

RT: 10.24 min Scan# 2689

Delta R.T. -0.20 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

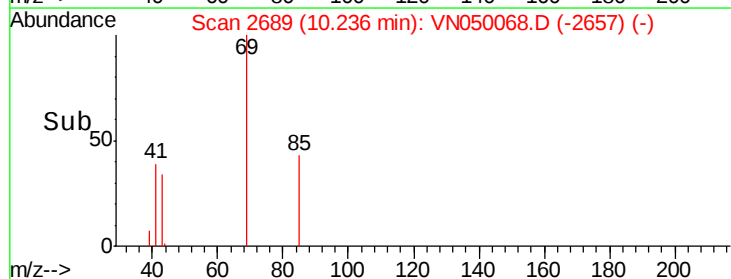
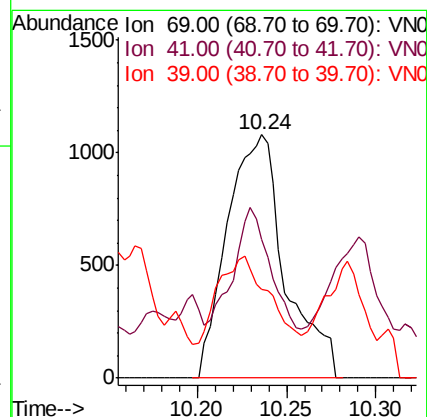
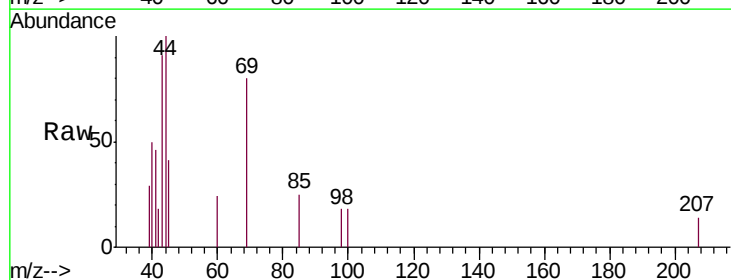
Tgt Ion: 69 Resp: 2448

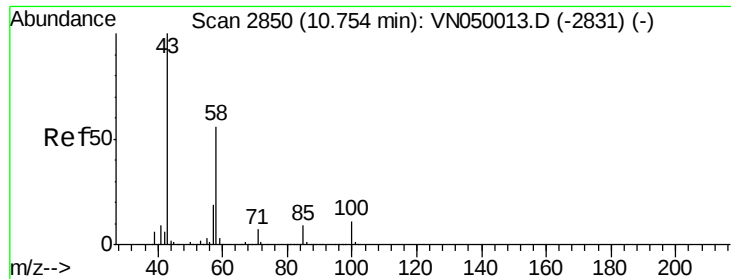
Ion Ratio Lower Upper

69 100

41 32.0 51.0 76.4#

39 30.4 26.6 40.0

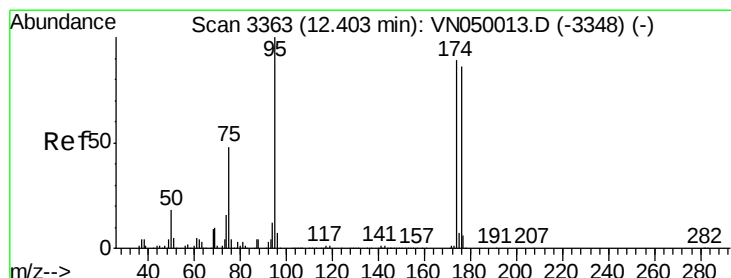
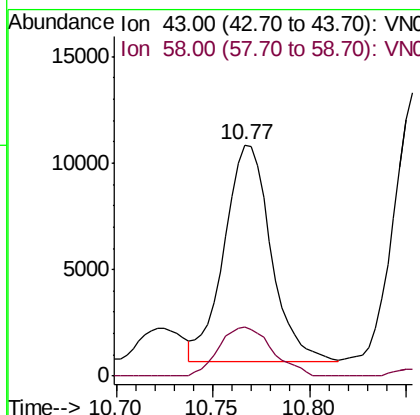
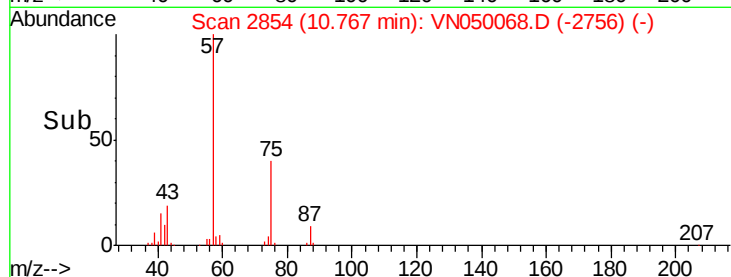
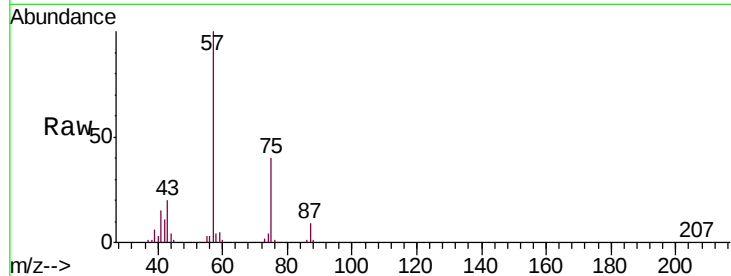




#59
2-Hexanone
Concen: 7.88 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

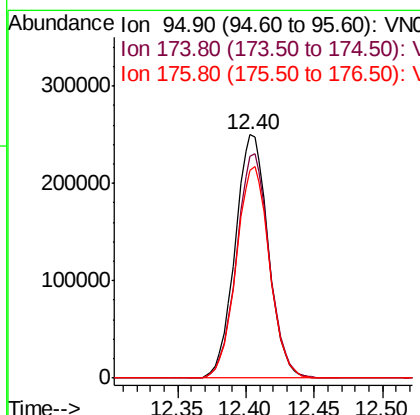
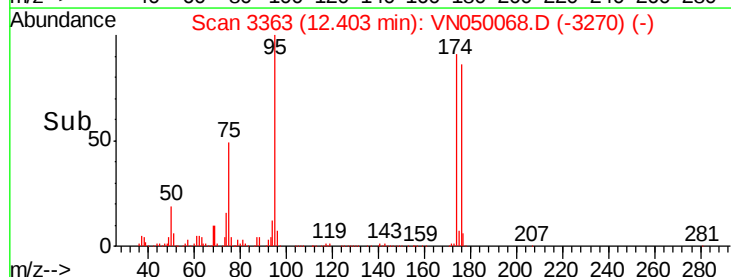
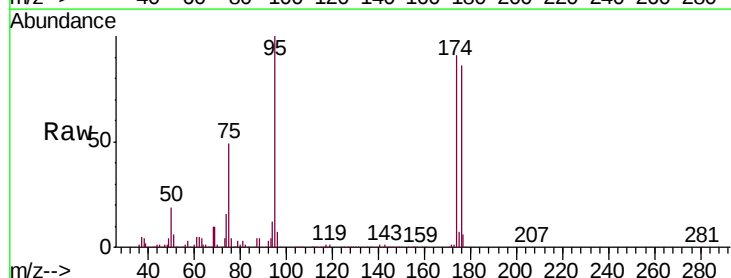
Instrument :
MSVOA_N
ClientSampleId :
HR-06-072418-C

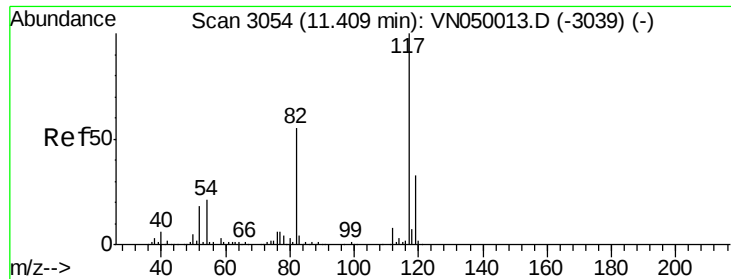
Tot Ion: 43 Resp: 17038
Ion Ratio Lower Upper
43 100
58 26.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 39.15 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

Tgt Ion: 95 Resp: 420374
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.2
176 87.4 0.0 173.4

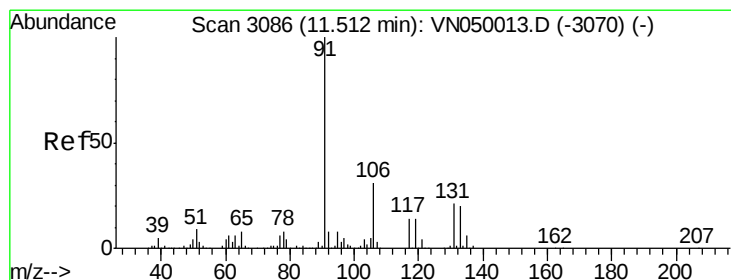
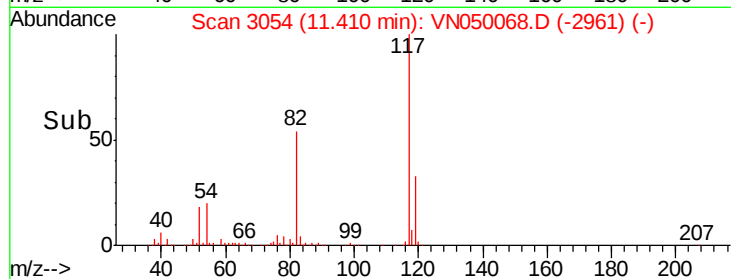
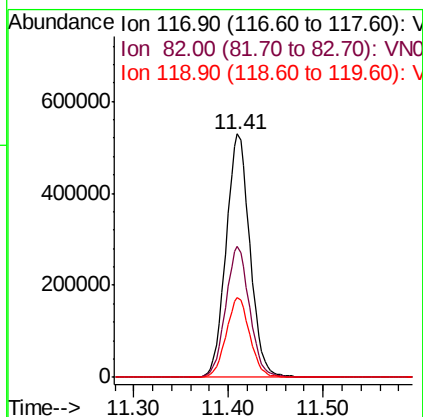
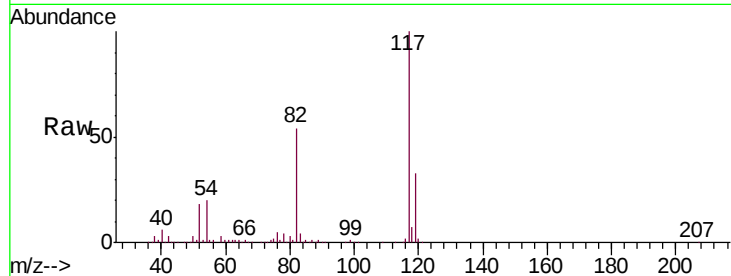




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

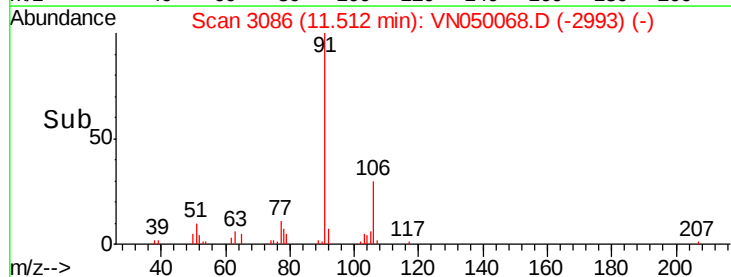
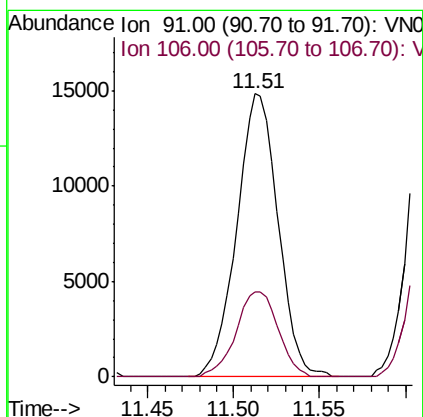
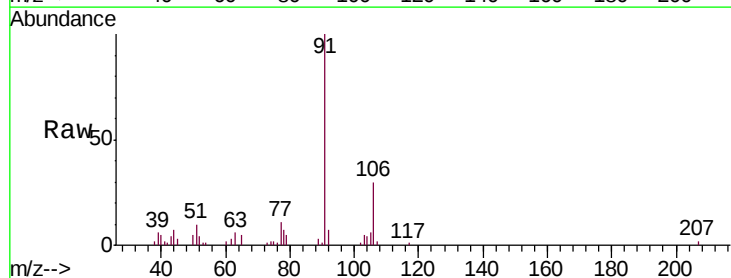
Instrument :
MSVOA_N
ClientSampled :
HR-06-072418-C

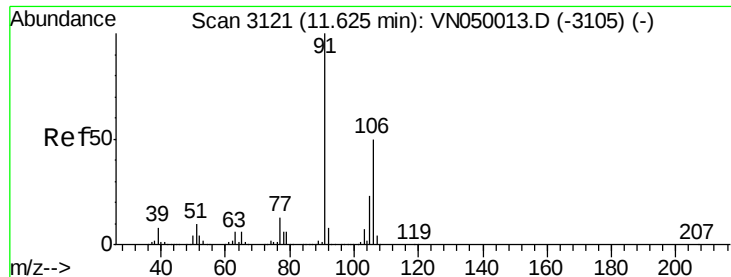
Tot Ion:117 Resp: 925326
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.7 26.1 39.1



#67
Ethyl Benzene
Concen: 0.66 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

Tgt Ion: 91 Resp: 24716
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.4

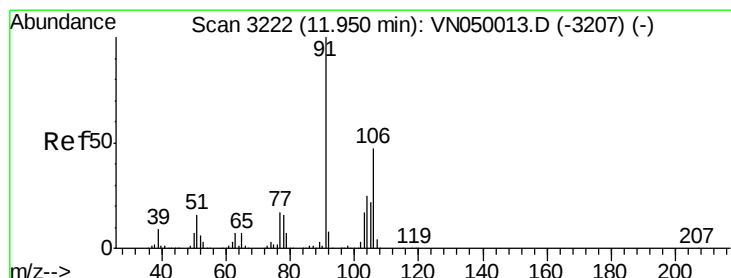
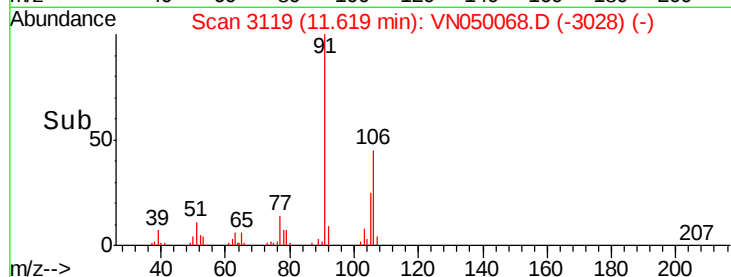
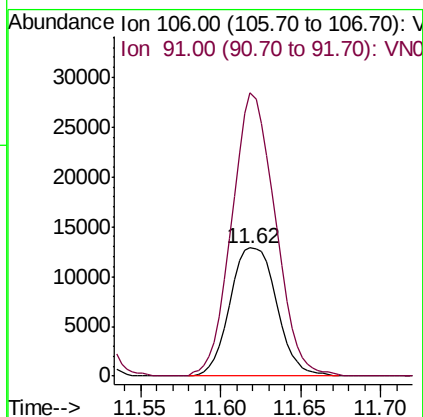
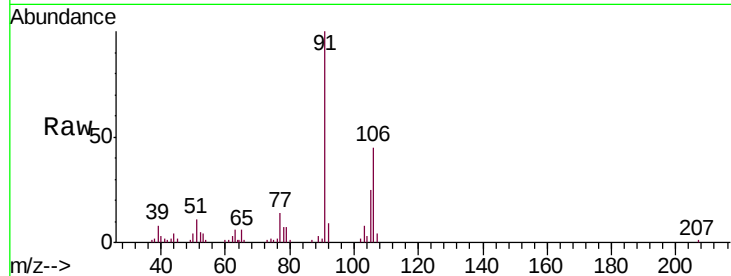




#68
m/p-Xvlenes
Concen: 1.81 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

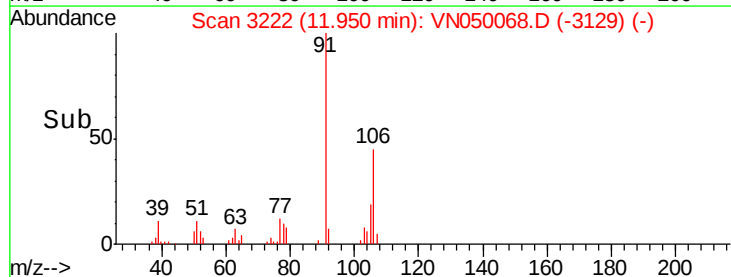
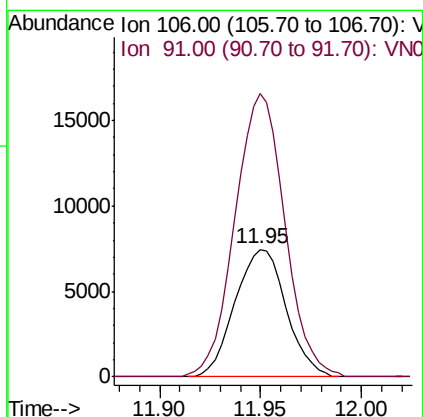
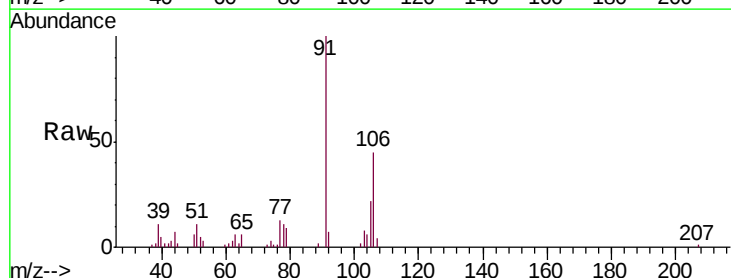
Instrument :
MSVOA_N
ClientSampleId :
HR-06-072418-C

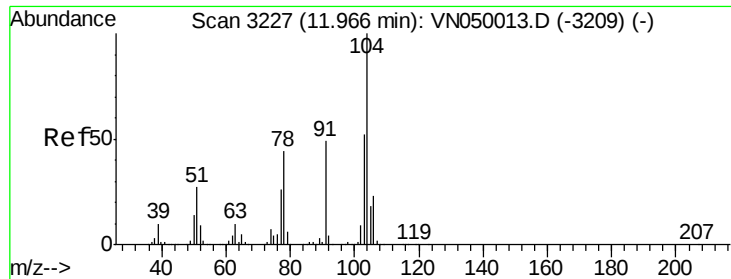
Tot Ion:106 Resp: 25704
Ion Ratio Lower Upper
106 100
91 205.1 162.2 243.2



#69
o-Xylene
Concen: 0.98 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

Tgt Ion:106 Resp: 13206
Ion Ratio Lower Upper
106 100
91 217.1 107.7 323.1

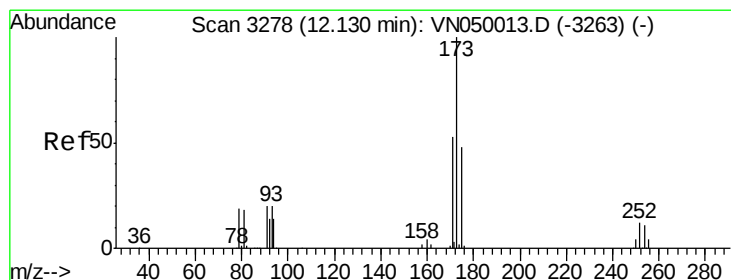
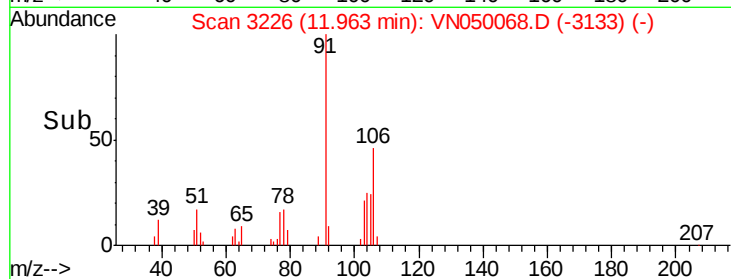
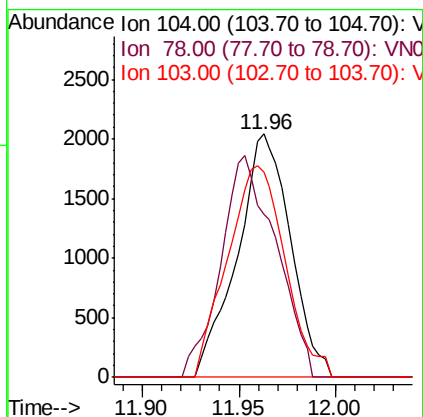
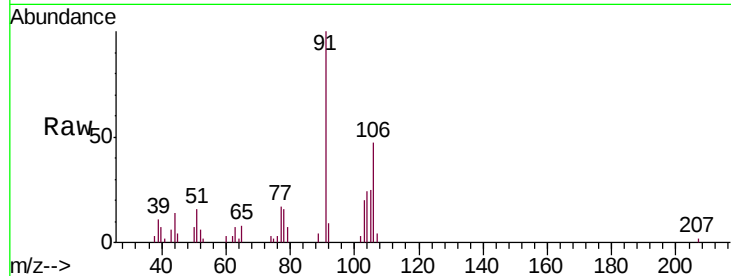




#70
Stvrene
Concen: 1.08 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

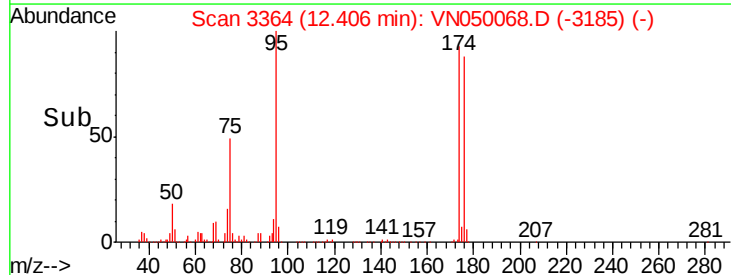
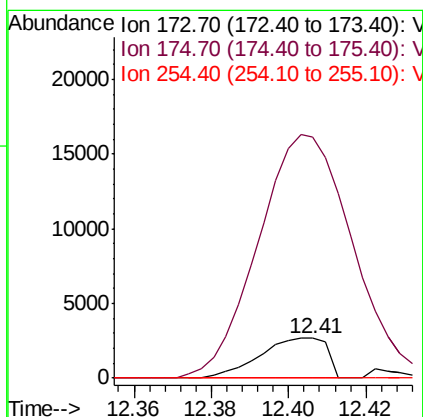
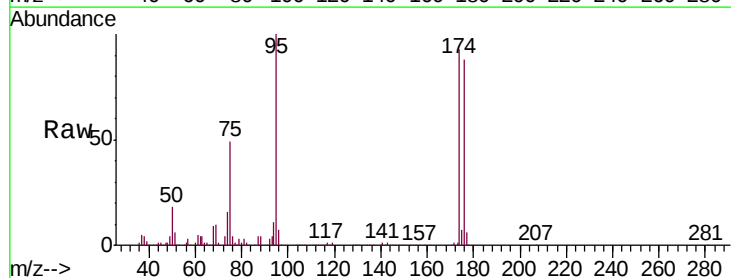
Instrument :
MSVOA_N
ClientSampleId :
HR-06-072418-C

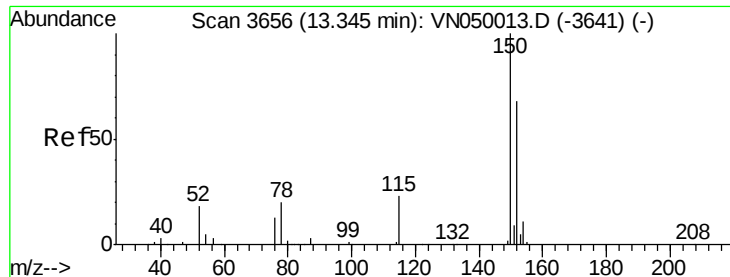
Tot Ion:104 Resp: 3916
Ion Ratio Lower Upper
104 100
78 93.7 39.3 58.9#
103 94.0 45.0 67.6#



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050068.D
Acq: 26 Jul 2018 1:58

Tgt Ion:173 Resp: 3224
Ion Ratio Lower Upper
173 100
175 752.2 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

HR-06-072418-C

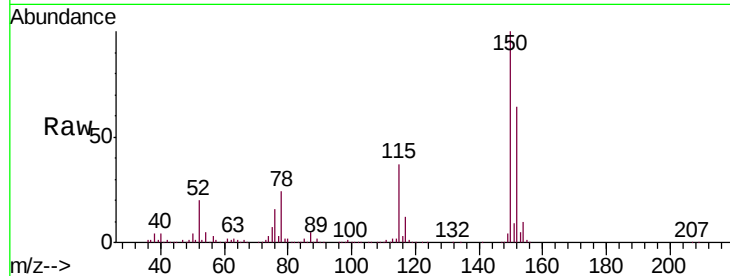
Tot Ion:152 Resp: 374120

Ion Ratio Lower Upper

152 100

115 57.8 27.8 83.3

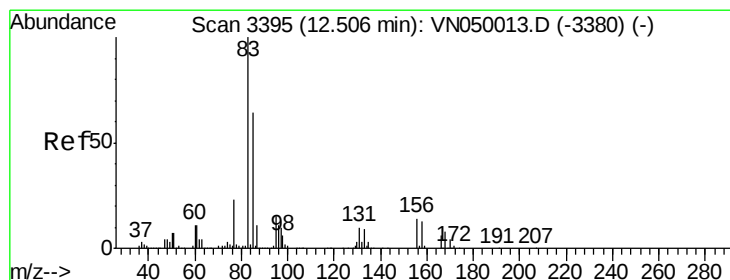
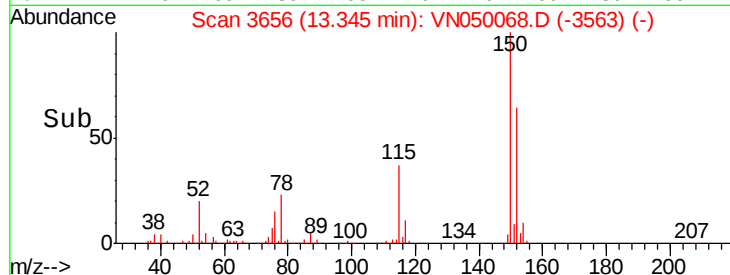
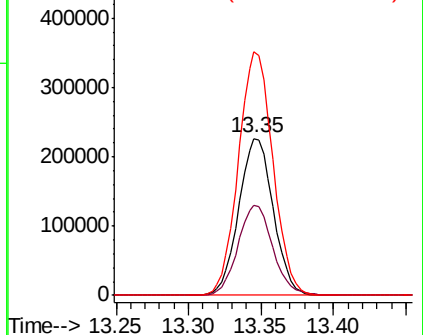
150 155.1 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

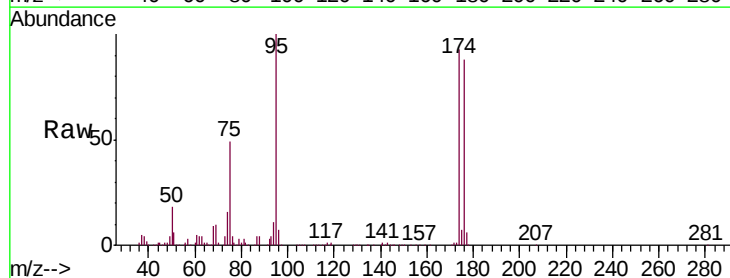
Tgt Ion: 83 Resp: 359

Ion Ratio Lower Upper

83 100

131 121.2 5.1 15.3#

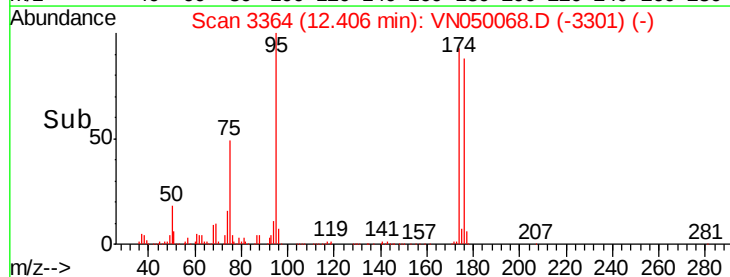
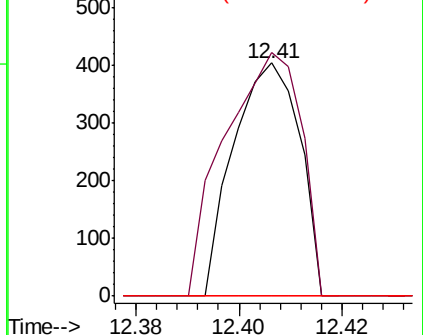
85 0.0 32.3 96.8#

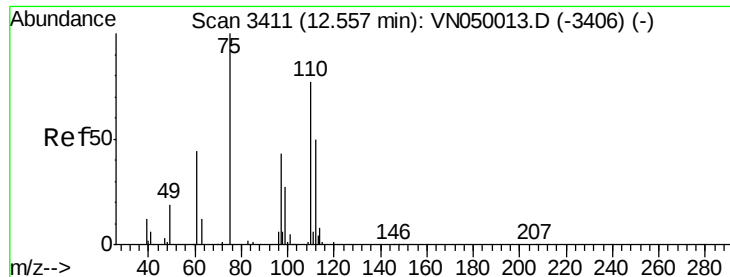


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 29.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

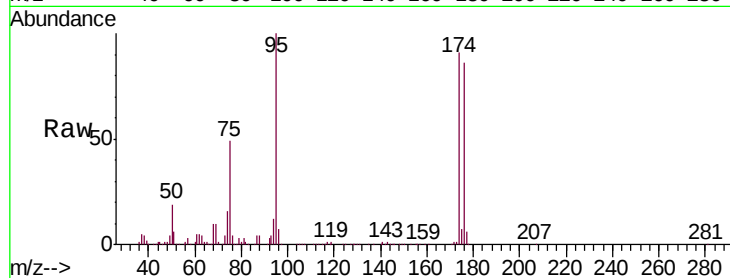
HR-06-072418-C

Tot Ion: 75 Resp: 207323

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

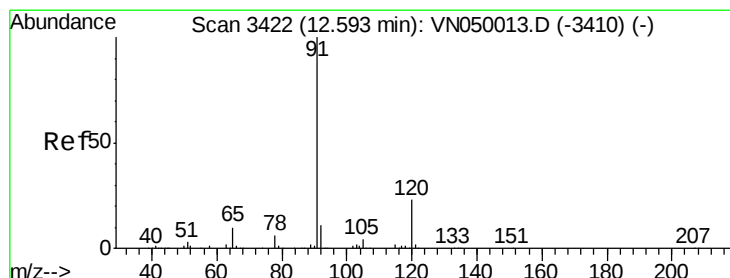
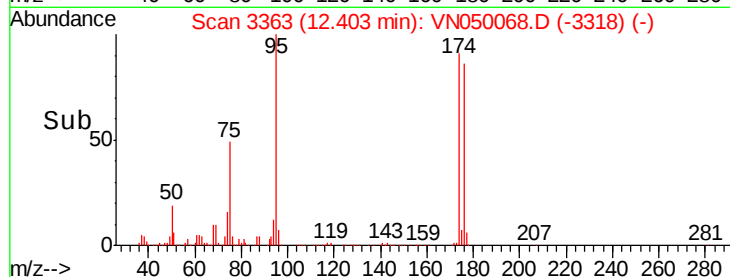
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.27 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050068.D

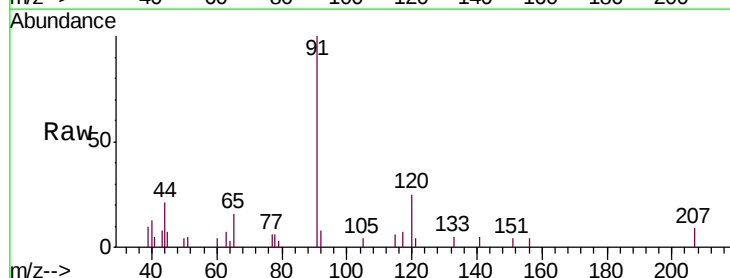
Acq: 26 Jul 2018 1:58

Tgt Ion: 91 Resp: 8905

Ion Ratio Lower Upper

91 100

120 25.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

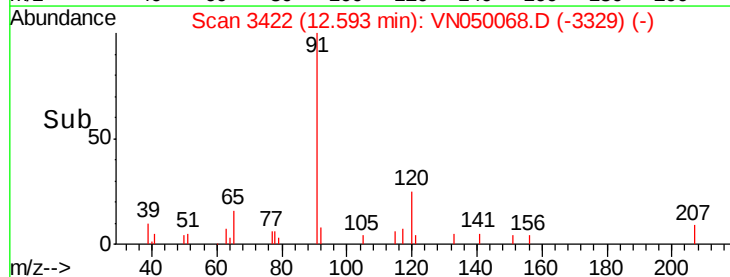
6000

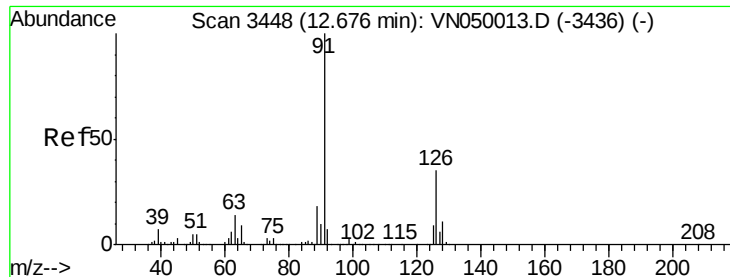
4000

2000

0

Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 0.34 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. -0.02 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

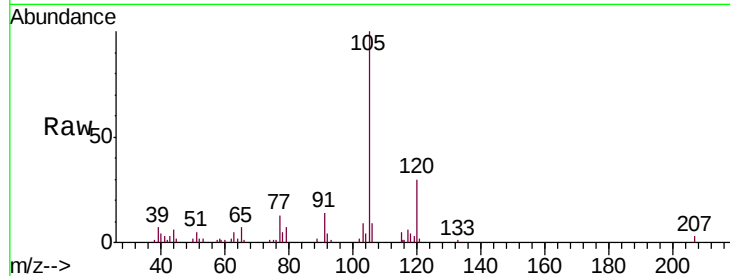
HR-06-072418-C

Tot Ion: 91 Resp: 6897

Ion Ratio Lower Upper

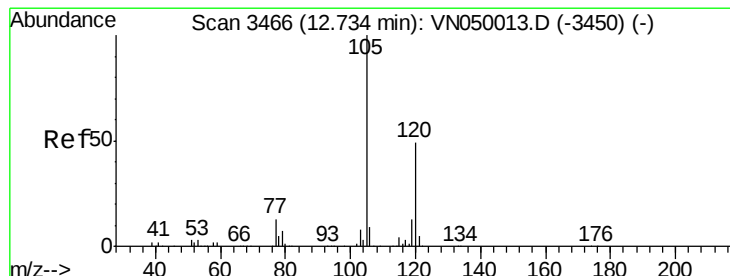
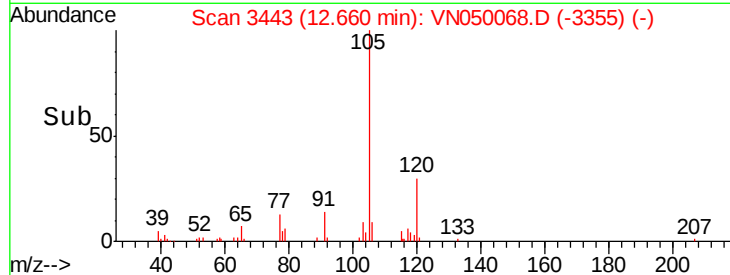
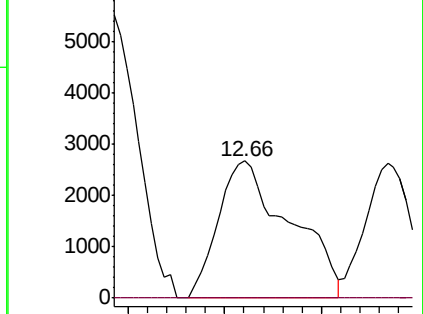
91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050013.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN050013.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050068.D

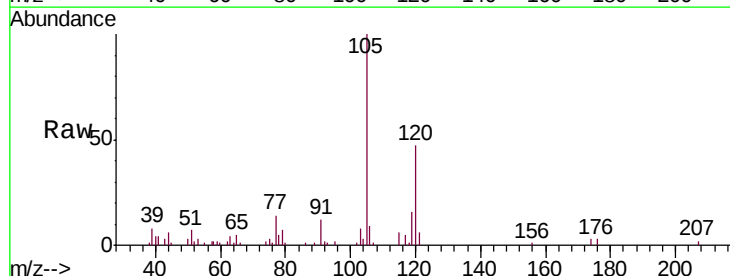
Acq: 26 Jul 2018 1:58

Tgt Ion: 105 Resp: 34232

Ion Ratio Lower Upper

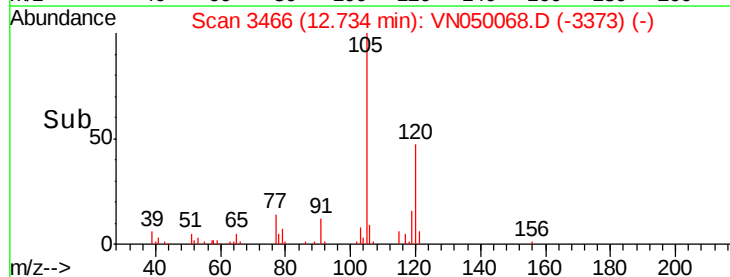
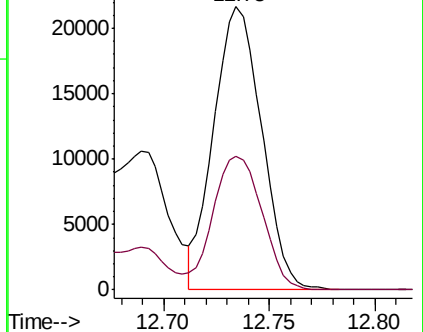
105 100

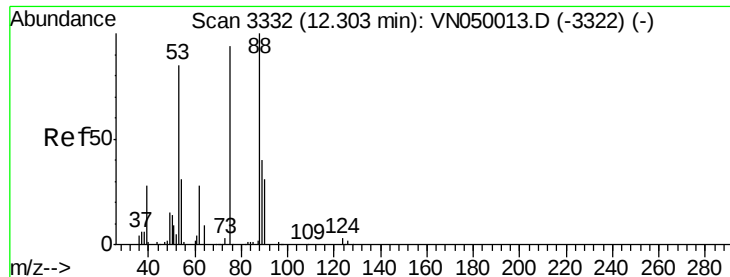
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050013.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN050013.D (-3450) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 94.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

HR-06-072418-C

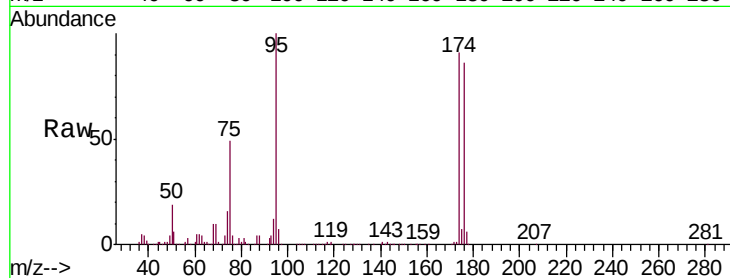
Tot Ion: 75 Resp: 207323

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

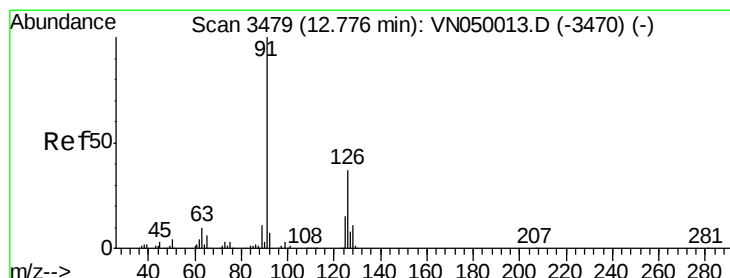
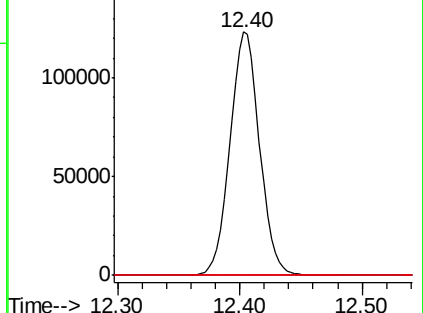
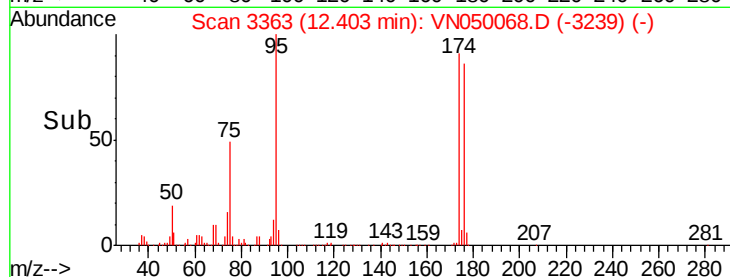
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050068.D

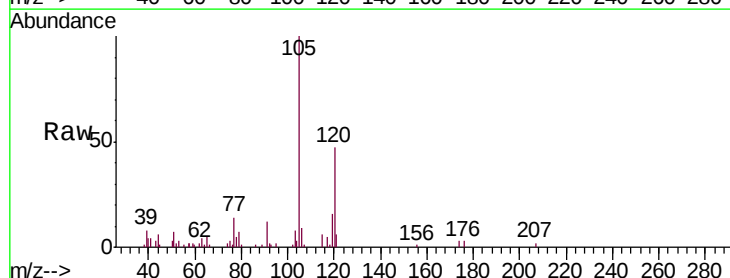
Acq: 26 Jul 2018 1:58

Tgt Ion: 91 Resp: 4442

Ion Ratio Lower Upper

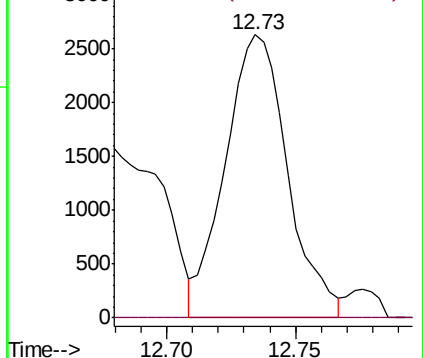
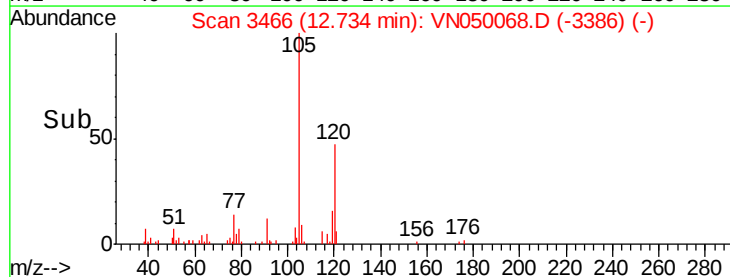
91 100

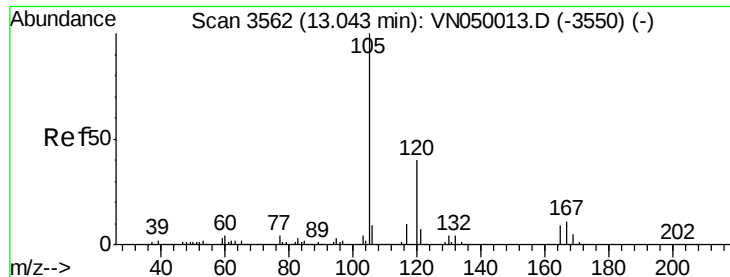
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 2.55 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

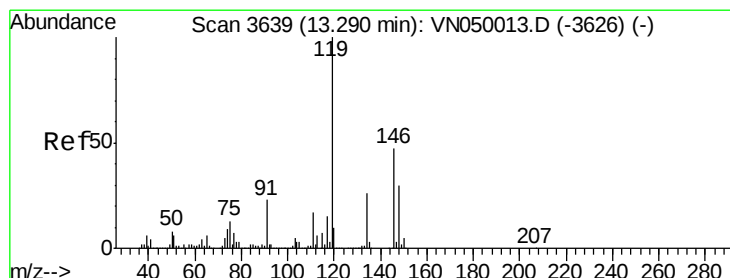
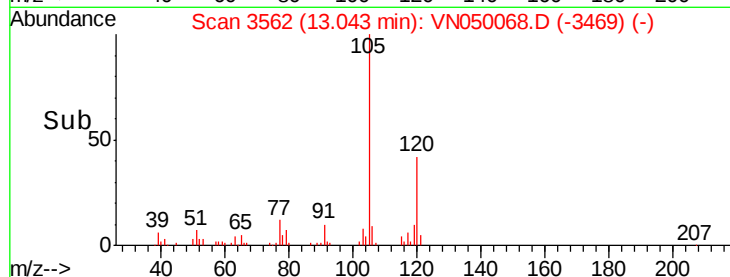
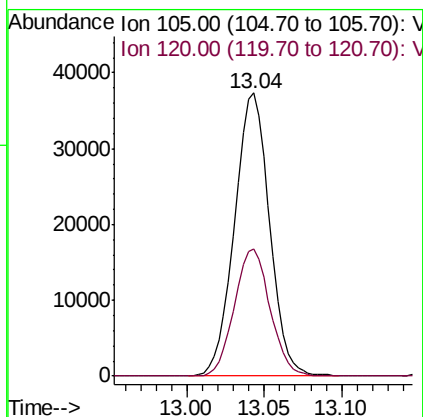
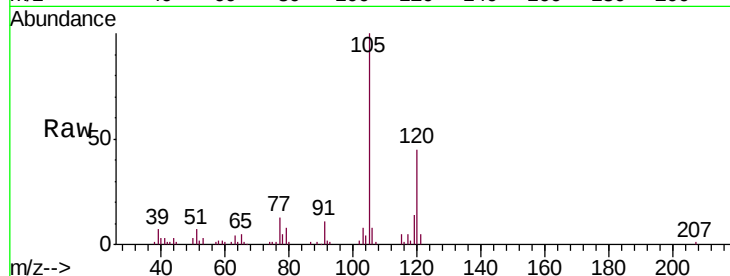
HR-06-072418-C

Tot Ion:105 Resp: 58711

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.7



#86

p-Isopropyltoluene

Concen: 0.24 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

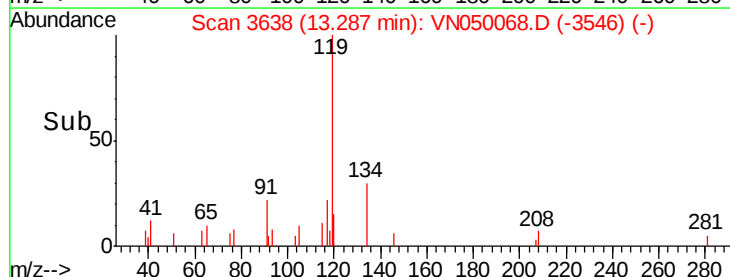
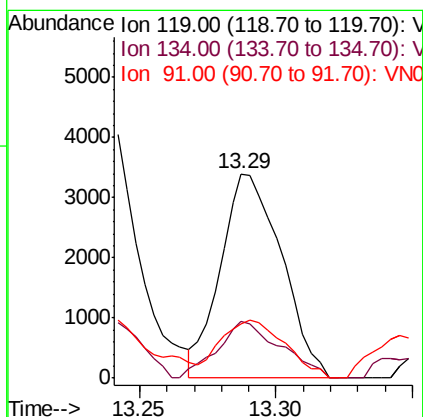
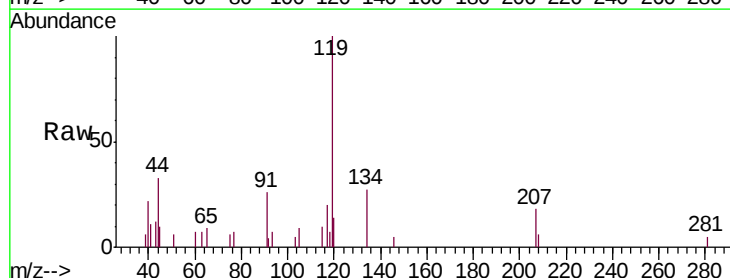
Tgt Ion:119 Resp: 5282

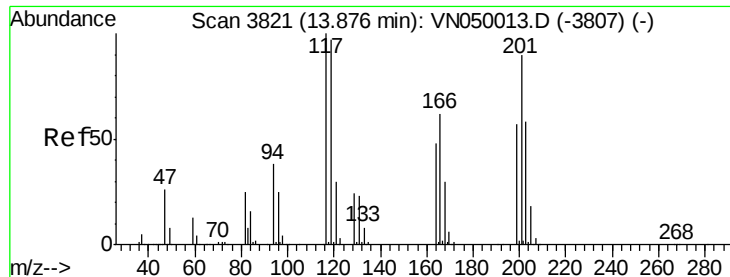
Ion Ratio Lower Upper

119 100

134 28.9 13.3 39.8

91 29.9 11.4 34.2





#90

Hexachloroethane

Concen: 0.64 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

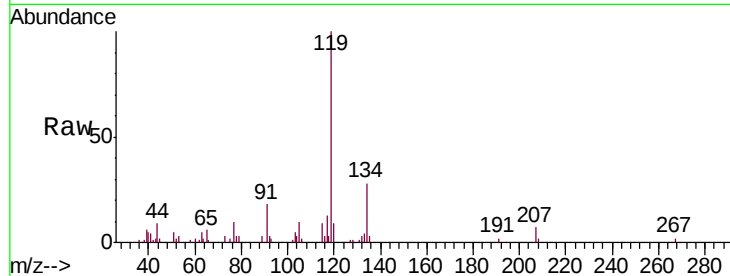
HR-06-072418-C

Tot Ion:117 Resp: 3192

Ion Ratio Lower Upper

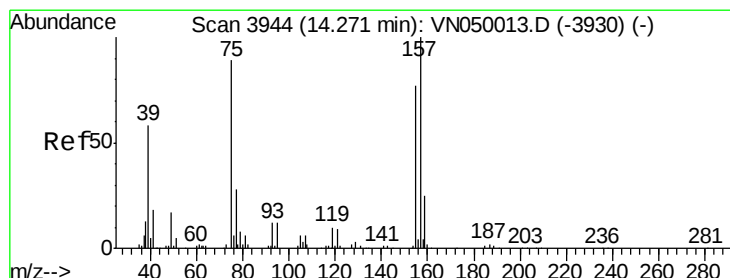
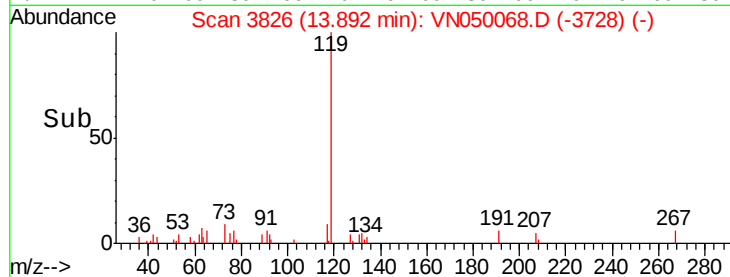
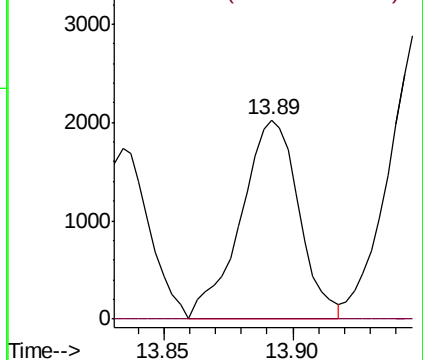
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050068.D

Acq: 26 Jul 2018 1:58

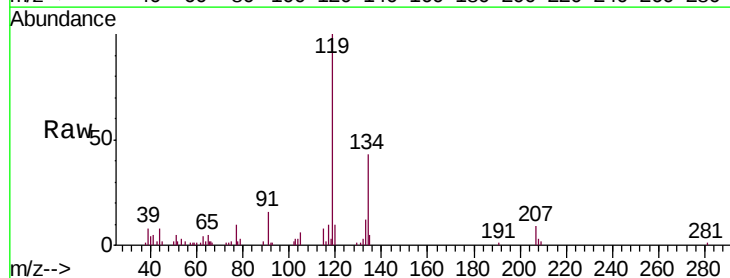
Tgt Ion: 75 Resp: 509

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

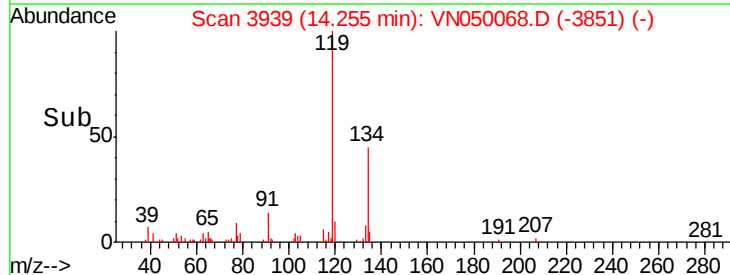
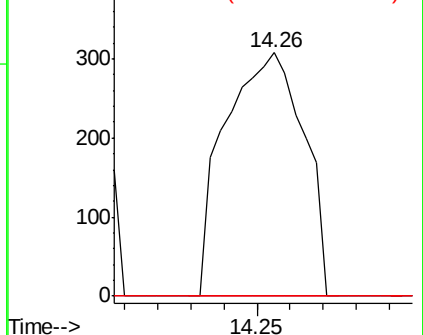
157 0.0 57.2 171.6#

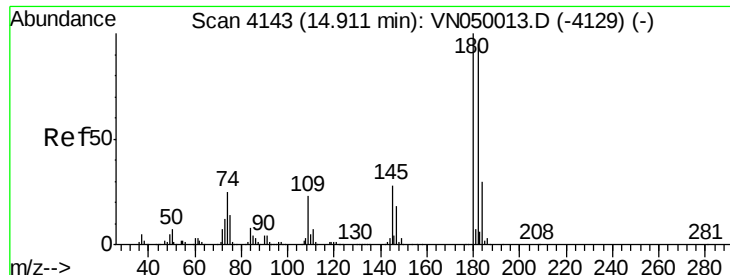


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

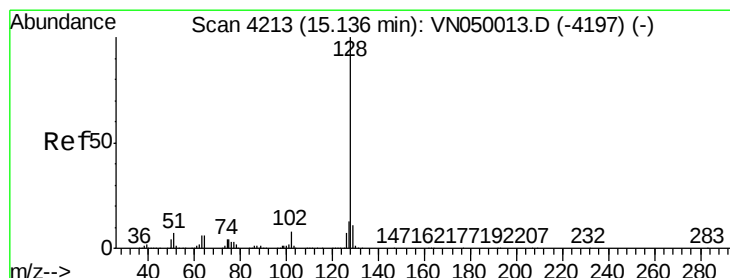
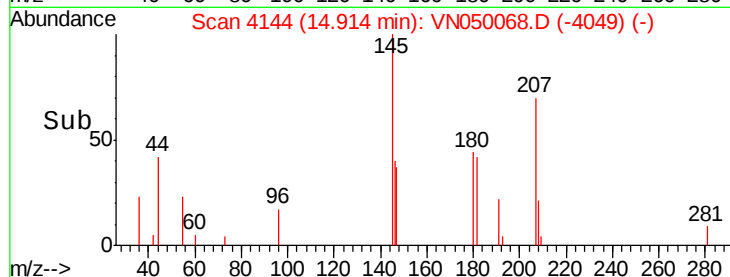
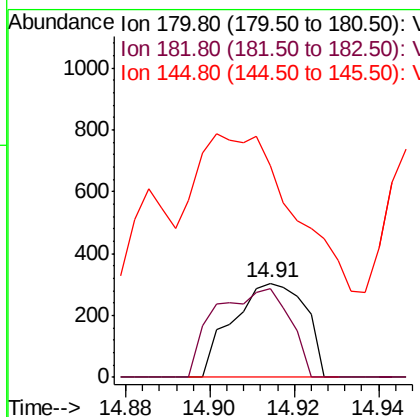
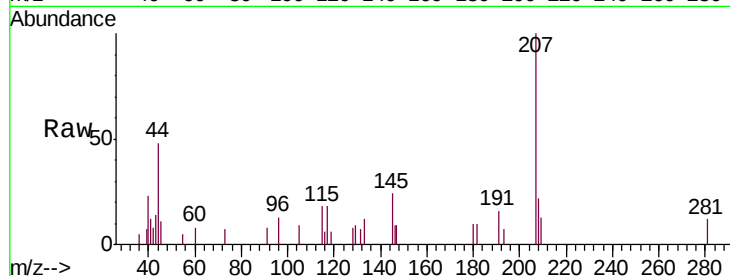




#93
 1,2,4-Trichlorobenzene
 Concen: 3.13 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050068.D
 Acq: 26 Jul 2018 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-072418-C

Tot Ion:180 Resp: 363
 Ion Ratio Lower Upper
 180 100
 182 96.4 46.7 140.1
 145 425.3 13.8 41.4#



#95
 Naphthalene
 Concen: 9.28 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050068.D
 Acq: 26 Jul 2018 1:58

Tgt Ion:128 Resp: 91169
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.4 15.6
 129 11.7 8.8 13.2

