

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050364.D
 Acq On : 4 Aug 2018 14:07
 Operator : MD\SY
 Sample : J4328-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04

Quant Time: Aug 06 01:37:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1054798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	484682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	455413	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	397478	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	10.09	98	1481495	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	12.40	95	502650	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4609	0.45	ug/l	98
4) Vinyl Chloride	2.18	62	6070	0.56	ug/l	100
5) Bromomethane	2.56	94	3883	Below	Cal	81
8) Diethyl Ether	3.41	74	1345	0.29	ug/l	53
11) Tert butyl alcohol	4.80	59	9352	13.92	ug/l	95
13) Acrolein	3.61	56	626	1.16	ug/l #	59
16) Acetone	3.82	43	30859	10.19	ug/l	94
17) Carbon Disulfide	4.05	76	7413	0.32	ug/l #	92
18) Methyl Acetate	4.35	43	5564	Below	Cal #	75
19) Methyl tert-butyl Ether	5.05	73	77847	3.87	ug/l	96
20) Methylene Chloride	4.55	84	3300	Below	Cal #	84
25) 2-Butanone	6.84	43	6726	1.93	ug/l #	83
27) cis-1,2-Dichloroethene	6.84	96	5404	0.63	ug/l	96
31) Cyclohexane	7.67	56	15066	1.13	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47721	4.02	ug/l #	48
37) Ethyl Acetate	6.84	43	6726	0.81	ug/l #	1
38) Carbon Tetrachloride	7.67	117	61145	4.85	ug/l #	16
39) Methylcyclohexane	9.08	83	2966	0.24	ug/l	92
40) Benzene	8.04	78	1735827	48.00	ug/l	100
41) Methacrylonitrile	7.21	41	186	2.79	ug/l #	30
42) 1,2-Dichloroethane	8.04	62	14221	1.18	ug/l	84
43) Isopropyl Acetate	8.25	43	48804	2.03	ug/l #	67
51) 4-Methyl-2-Pentanone	9.99	43	8047	0.99	ug/l	90
52) Toluene	10.16	92	66328	3.11	ug/l	99
56) Ethyl methacrylate	10.43	69	420	2.07	ug/l #	37
59) 2-Hexanone	10.61	43	4284	5.88	ug/l	77
67) Ethyl Benzene	11.51	91	251183	6.13	ug/l	100
68) m/p-Xylenes	11.62	106	30959	2.00	ug/l	98
69) o-Xylene	11.95	106	82613	5.59	ug/l	98
70) Styrene	11.95	104	5531	1.13	ug/l #	1
71) Bromoform	12.40	173	3177	0.45	ug/l #	1
73) Isopropylbenzene	12.25	105	104040	2.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	101	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	246570	27.37	ug/l #	100

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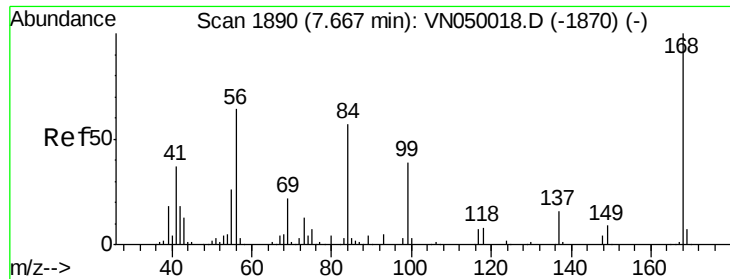
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04

Quant Time: Aug 06 01:37:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	12.59	91	312291	7.43	ug/l	100
79) 2-Chlorotoluene	12.59	91	312291	11.99	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	76890	2.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	246570	86.83	ug/l #	13
82) 4-Chlorotoluene	12.89	91	21257	0.82	ug/l #	41
83) tert-Butylbenzene	13.04	119	159947	6.20	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.04	105	1248986	41.91	ug/l	100
85) sec-Butylbenzene	13.04	105	1248986	36.23	ug/l #	57
86) p-Isopropyltoluene	13.44	119	14212	0.49	ug/l	91
87) 1,3-Dichlorobenzene	13.28	146	52833	2.99	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	808331	46.96	ug/l	99
89) n-Butylbenzene	13.62	91	10573	0.44	ug/l #	80
90) Hexachloroethane	13.89	117	10635	1.65	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	243721	13.80	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	61	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.91	180	673	3.15	ug/l #	1
95) Naphthalene	15.13	128	146254	10.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	343	2.24	ug/l #	80

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

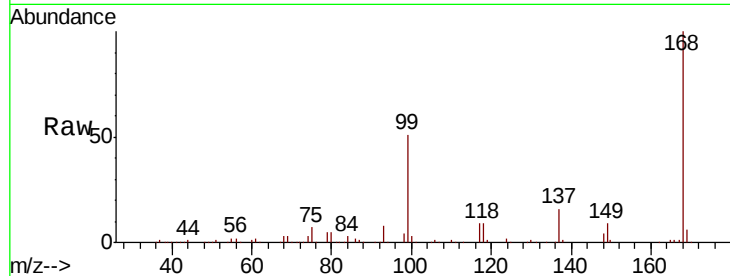
MW-04

Tot Ion:168 Resp: 654263

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

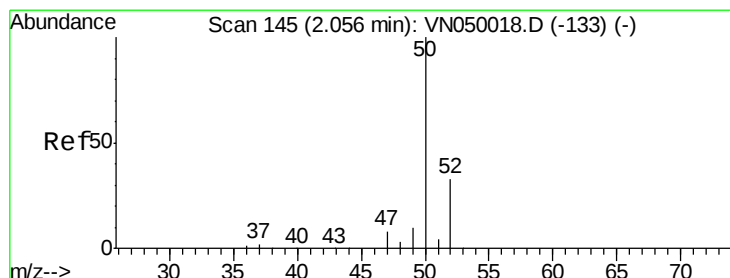
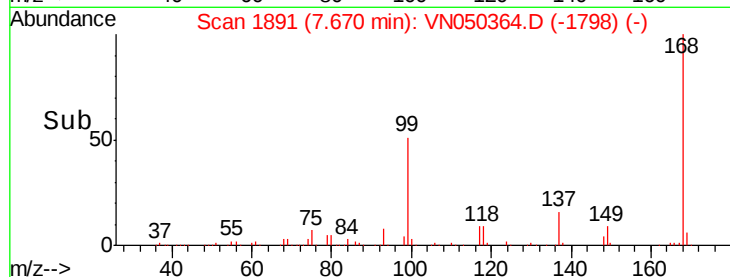
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050364.D

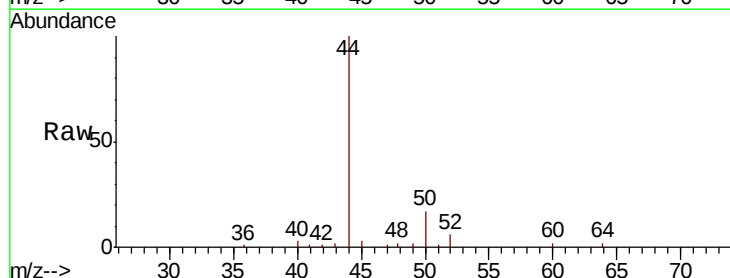
Acq: 4 Aug 2018 14:07

Tgt Ion: 50 Resp: 4609

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

3000

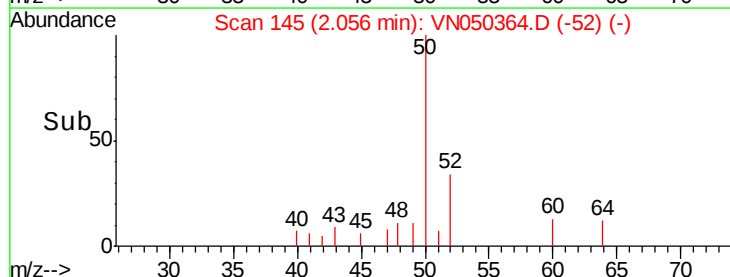
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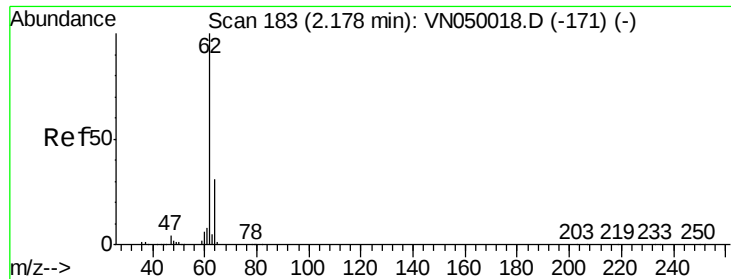
1000

0

2.00 2.05 2.10

Time-->





#4

Vinyl Chloride

Concen: 0.56 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

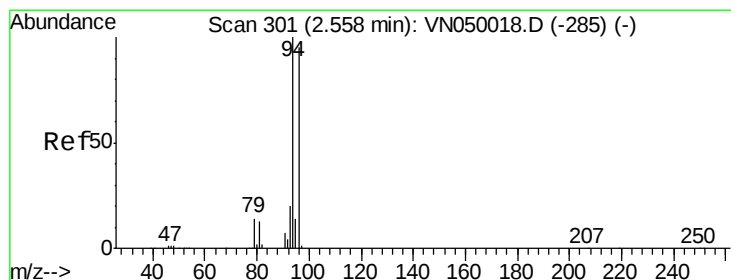
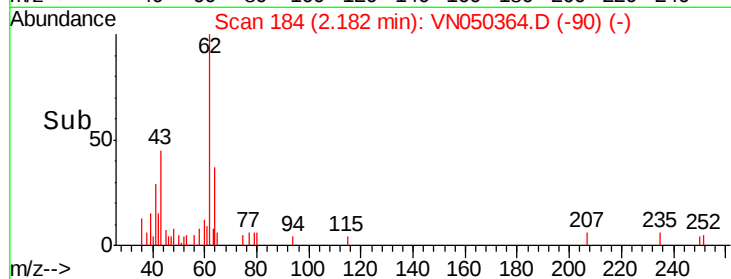
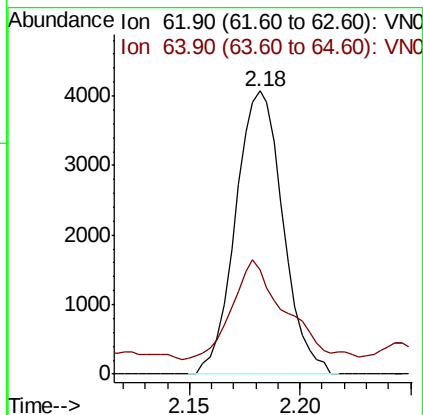
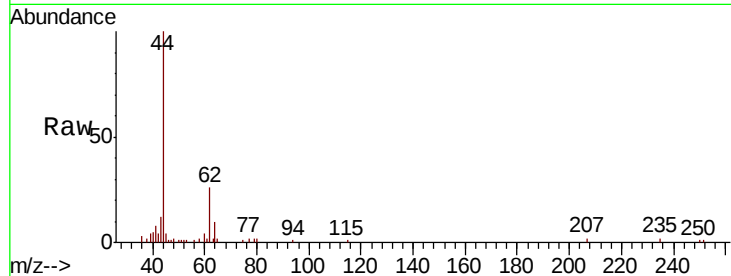
MW-04

Tot Ion: 62 Resp: 6070

Ion Ratio Lower Upper

62 100

64 31.0 24.7 37.1



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050364.D

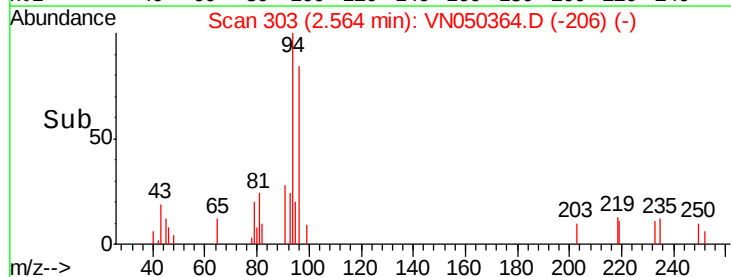
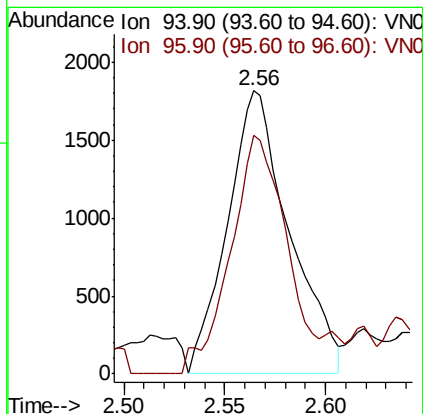
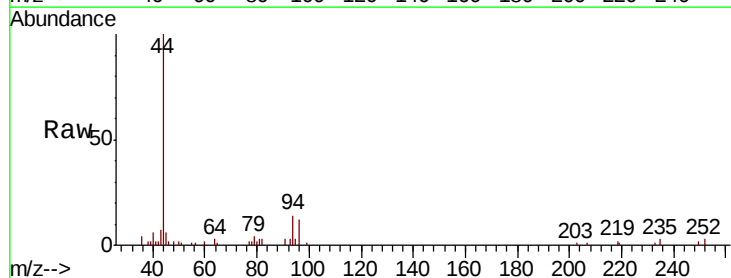
Acq: 4 Aug 2018 14:07

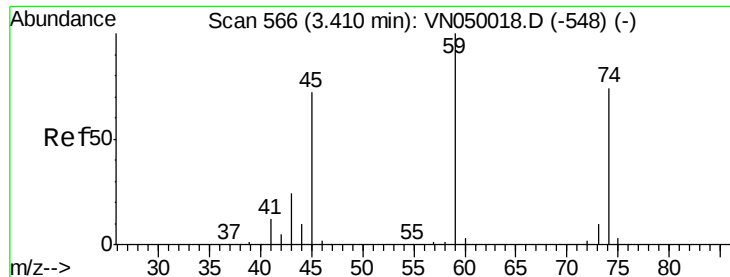
Tgt Ion: 94 Resp: 3883

Ion Ratio Lower Upper

94 100

96 75.1 74.6 112.0





#8

Diethyl Ether

Concen: 0.29 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

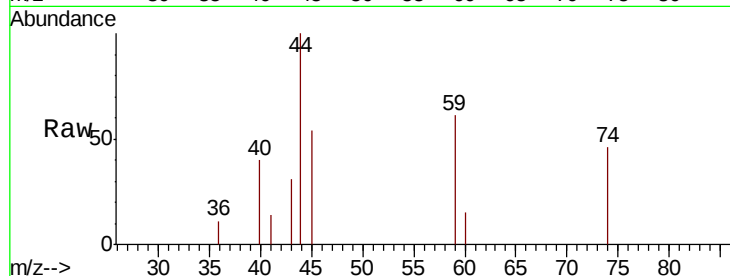
MW-04

Tot Ion: 74 Resp: 1345

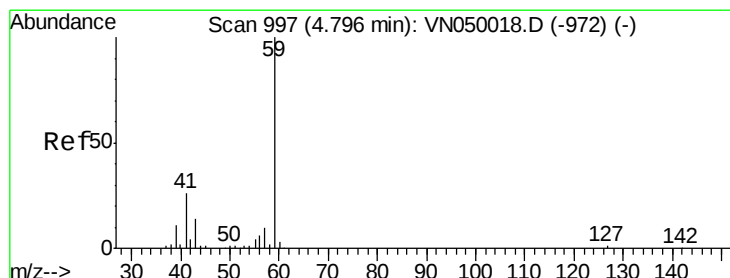
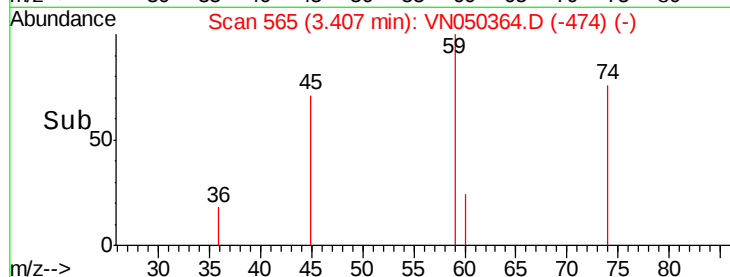
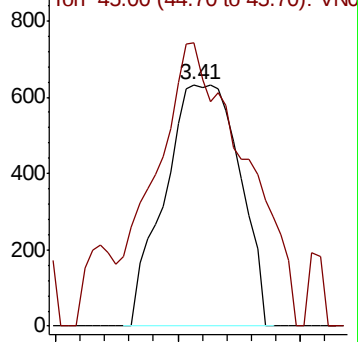
Ion Ratio Lower Upper

74 100

45 140.6 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0



#11

Tert butyl alcohol

Concen: 13.92 ug/l

RT: 4.80 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN050364.D

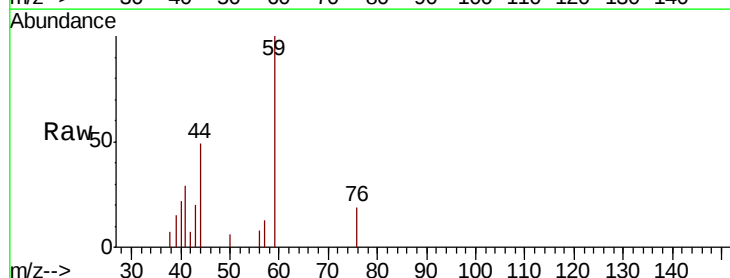
Acq: 4 Aug 2018 14:07

Tgt Ion: 59 Resp: 9352

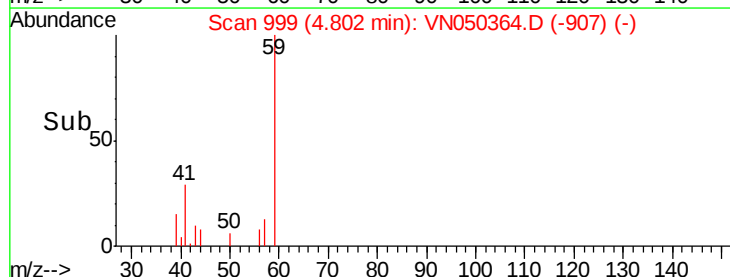
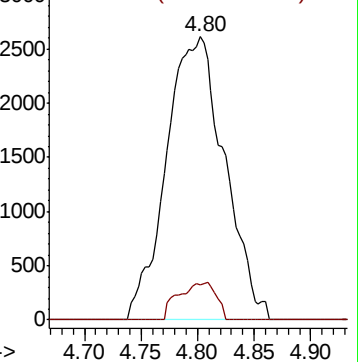
Ion Ratio Lower Upper

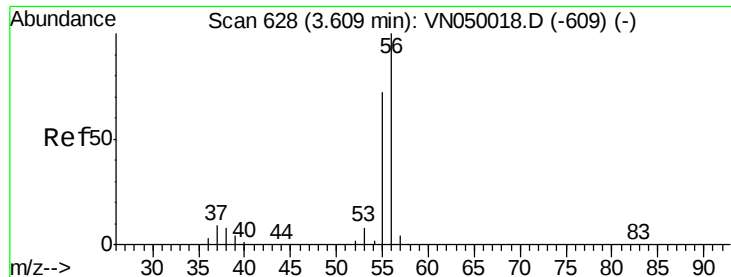
59 100

57 8.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0





#13

Acrolein

Concen: 1.16 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

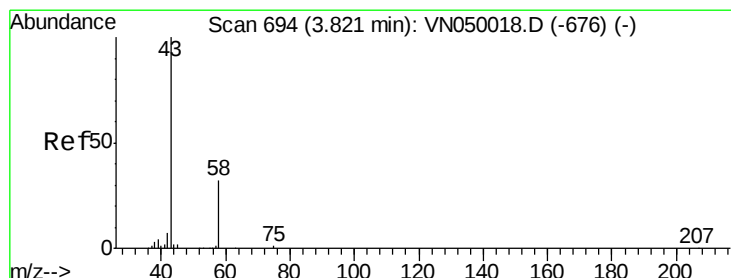
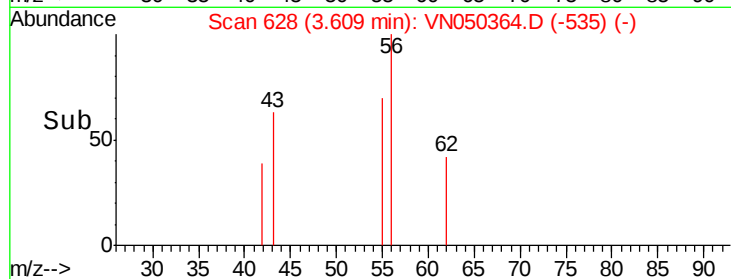
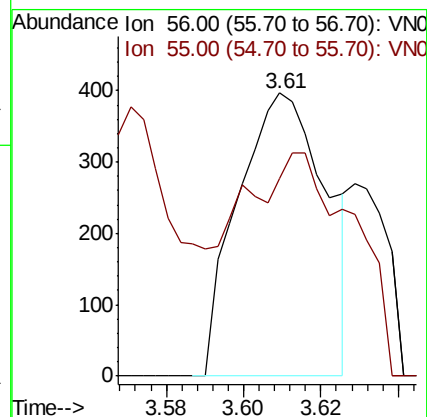
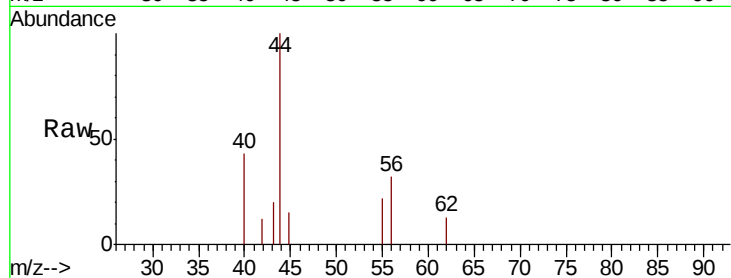
MW-04

Tot Ion: 56 Resp: 626

Ion Ratio Lower Upper

56 100

55 103.7 55.8 83.6#



#16

Acetone

Concen: 10.19 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050364.D

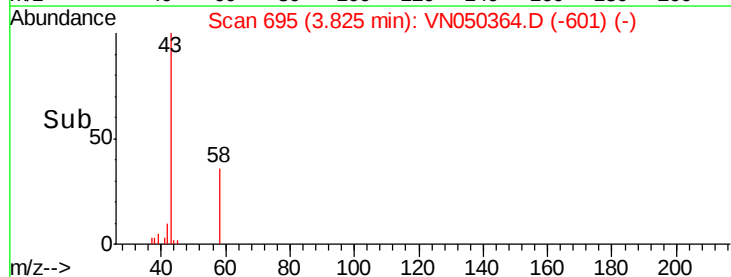
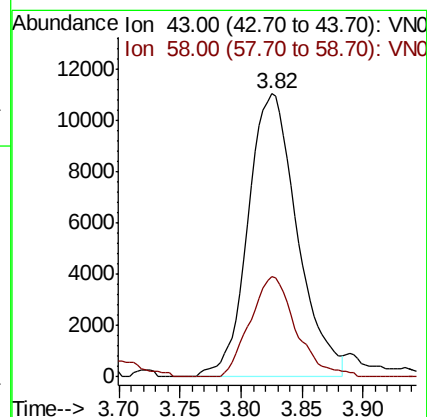
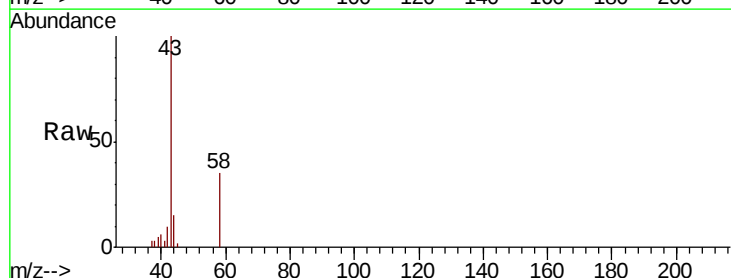
Acq: 4 Aug 2018 14:07

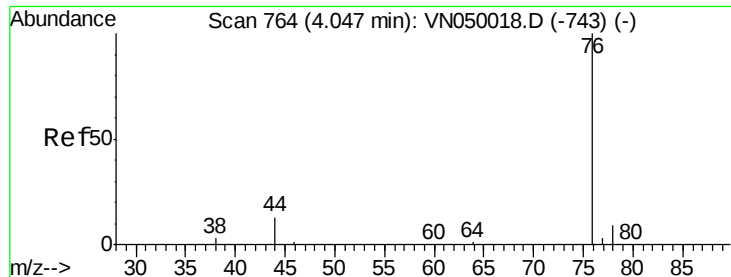
Tgt Ion: 43 Resp: 30859

Ion Ratio Lower Upper

43 100

58 35.4 25.8 38.8

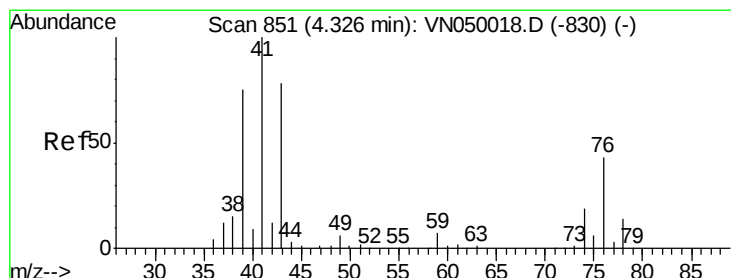
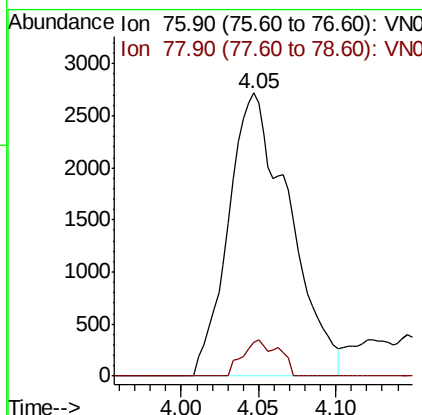
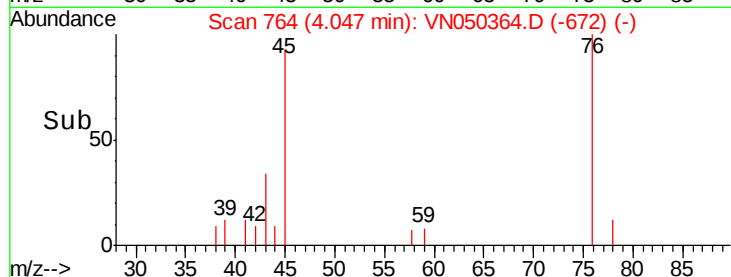
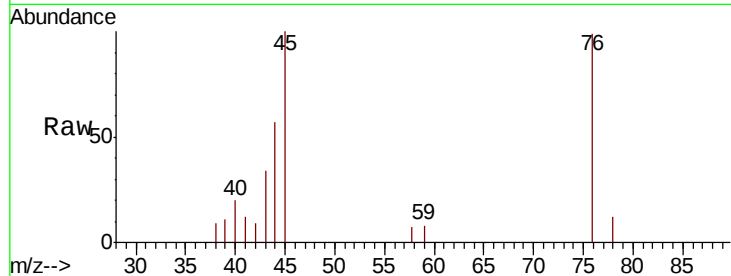




#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

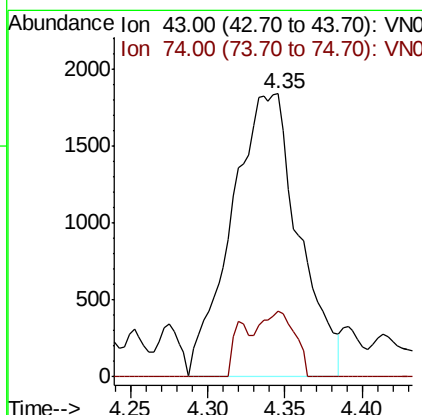
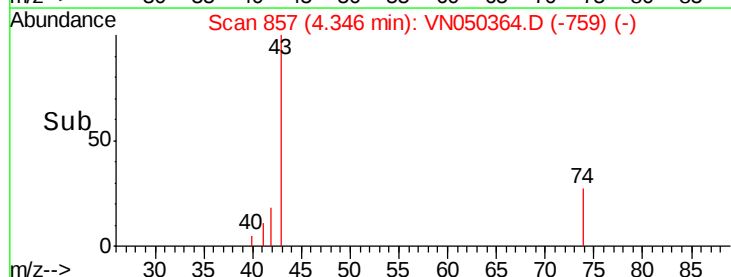
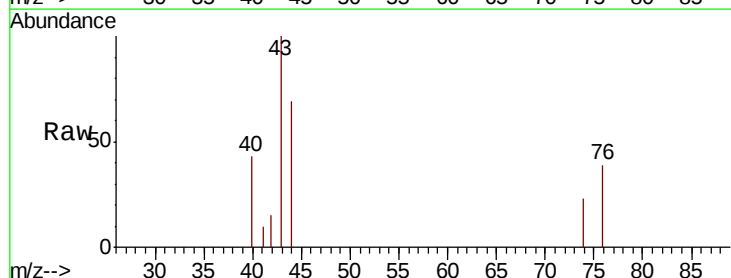
Instrument :
MSVOA_N
ClientSampled :
MW-04

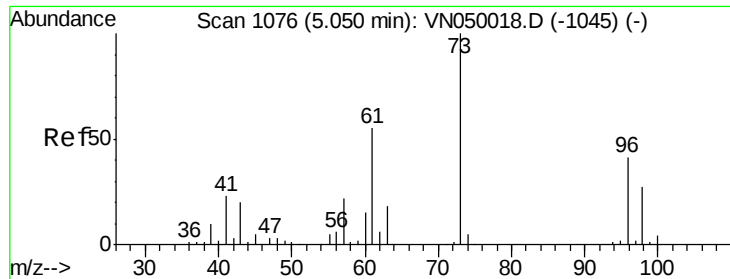
Tot Ion: 76 Resp: 7413
Ion Ratio Lower Upper
76 100
78 12.1 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 43 Resp: 5564
Ion Ratio Lower Upper
43 100
74 11.7 19.2 28.8#





#19

Methyl tert-butyl Ether

Concen: 3.87 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

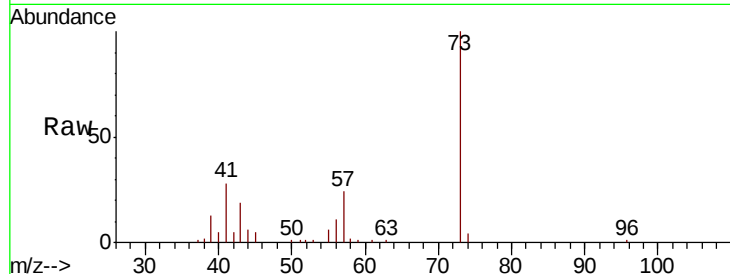
MW-04

Tot Ion: 73 Resp: 77847

Ion Ratio Lower Upper

73 100

57 24.4 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN050018.D (-1045) (-)

Ion 57.00 (56.70 to 57.70): VN050018.D (-1045) (-)

5.05

25000

20000

15000

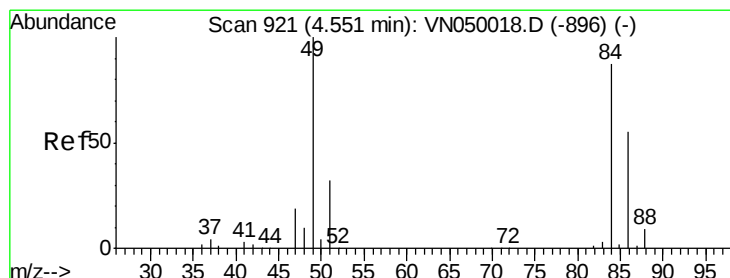
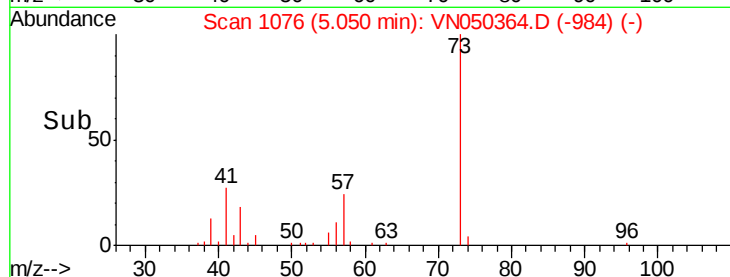
10000

5000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Tgt Ion: 84 Resp: 3300

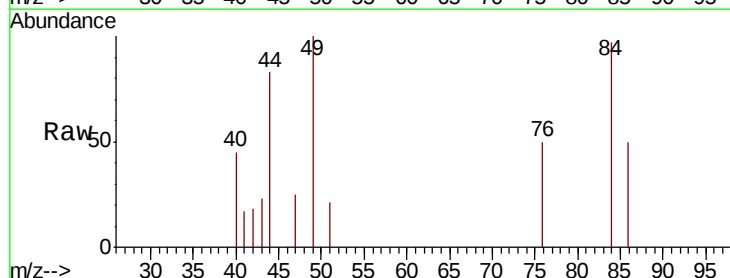
Ion Ratio Lower Upper

84 100

49 103.1 94.8 142.2

51 21.3 28.3 42.5#

86 51.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN050018.D (-896) (-)

Ion 48.90 (48.60 to 49.60): VN050018.D (-896) (-)

Ion 50.90 (50.60 to 51.60): VN050018.D (-896) (-)

Ion 85.90 (85.60 to 86.60): VN050018.D (-896) (-)

4.55

2000

1500

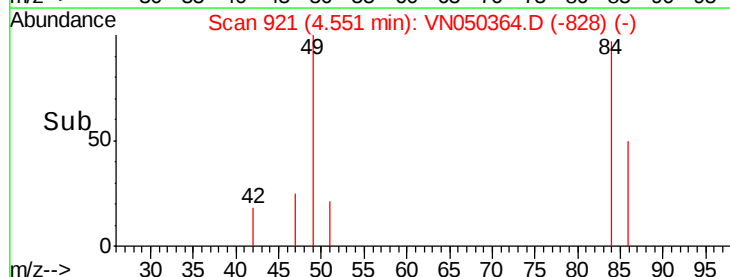
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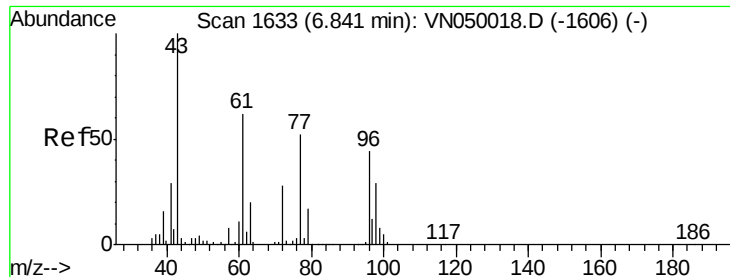
500

0

4.50 4.55 4.60

Time-->





#25

2-Butanone

Concen: 1.93 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

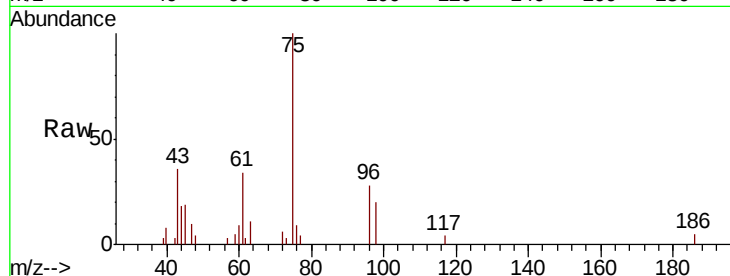
MW-04

Tot Ion: 43 Resp: 6726

Ion Ratio Lower Upper

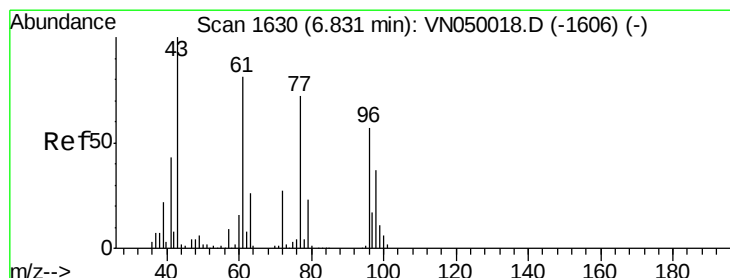
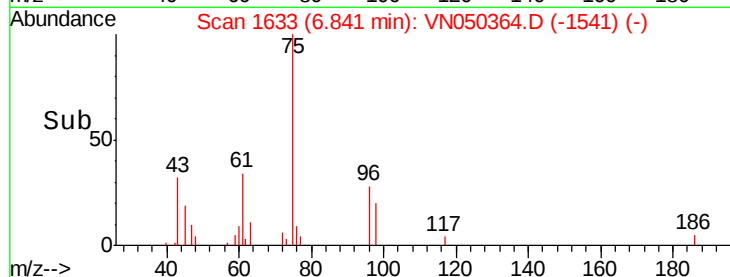
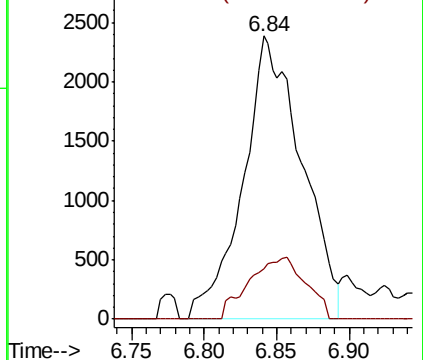
43 100

72 17.9 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.63 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

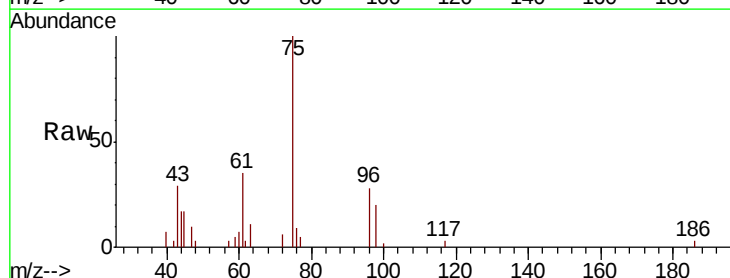
Tgt Ion: 96 Resp: 5404

Ion Ratio Lower Upper

96 100

61 142.0 0.0 285.0

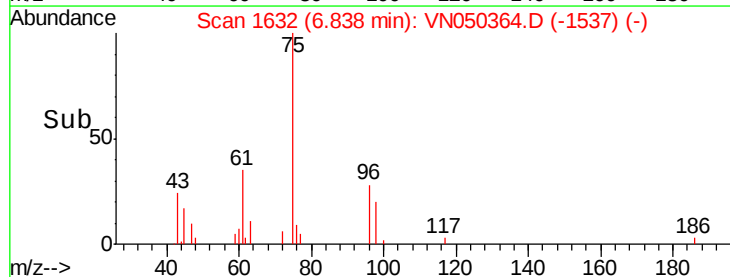
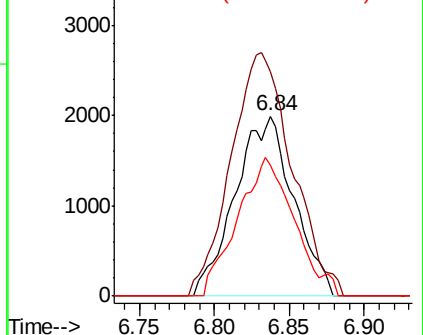
98 74.5 0.0 129.2

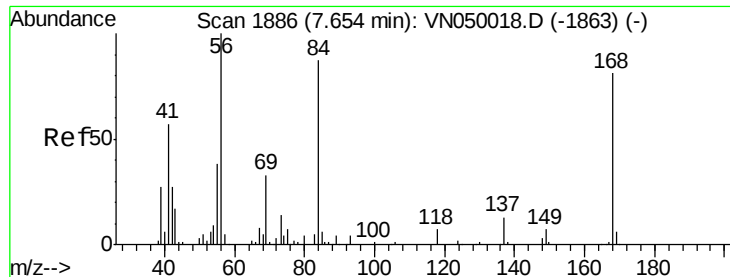


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

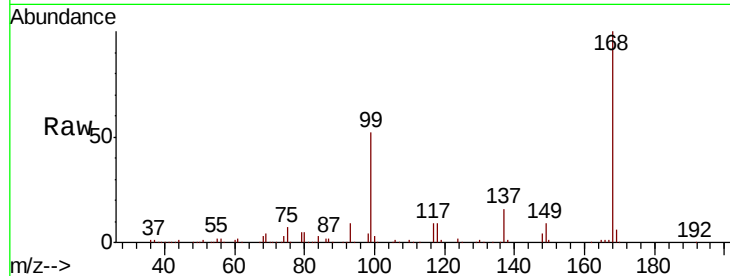




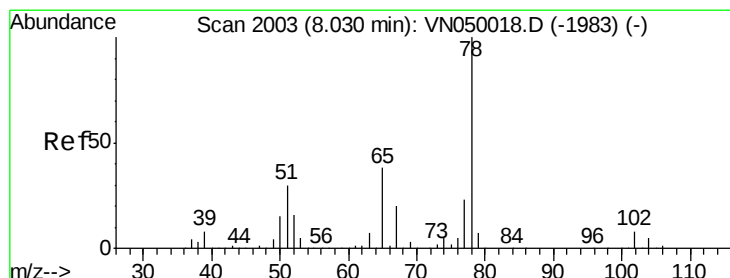
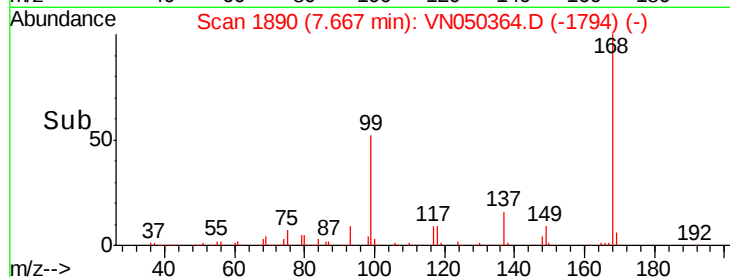
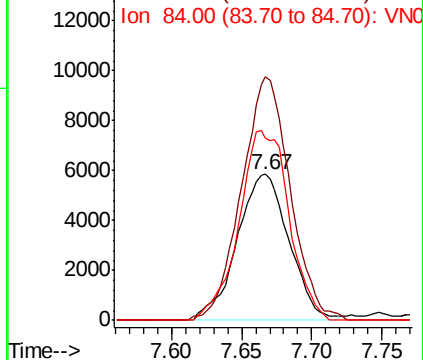
#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampled :
MW-04

Tot Ion: 56 Resp: 15066
Ion Ratio Lower Upper
56 100
69 166.7 26.2 39.4#
84 125.1 67.4 101.0#

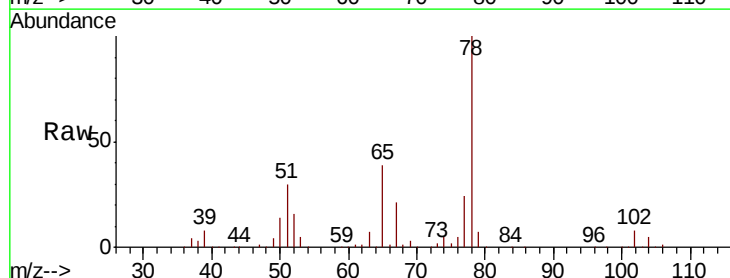


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

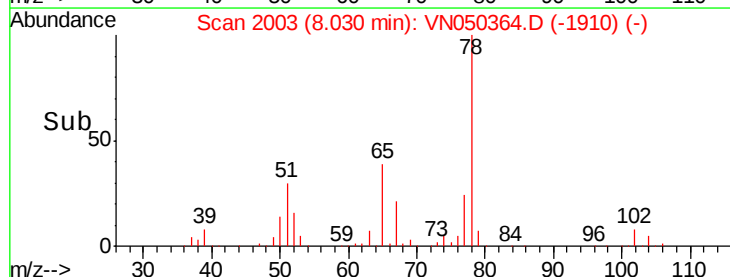
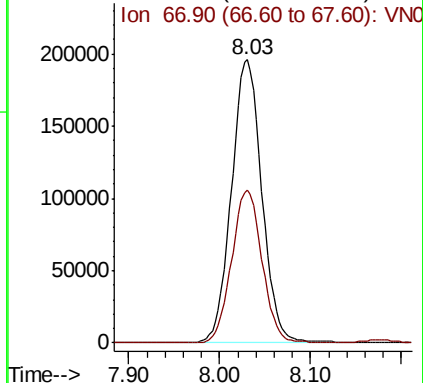


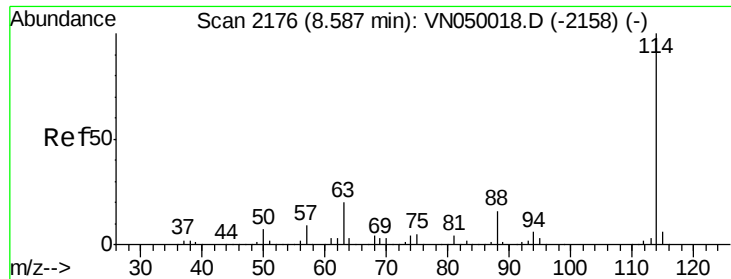
#33
1,2-Dichloroethane-d4
Concen: 49.89 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 65 Resp: 455413
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

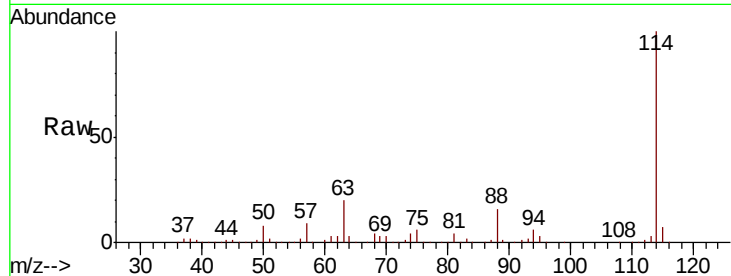




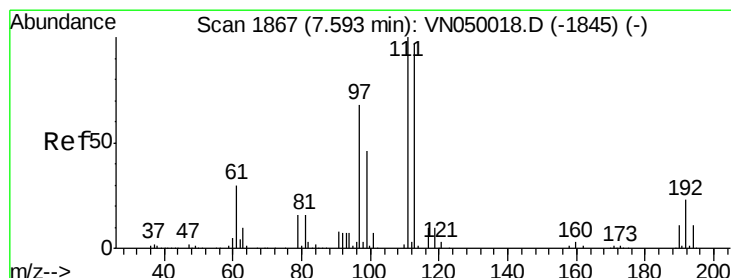
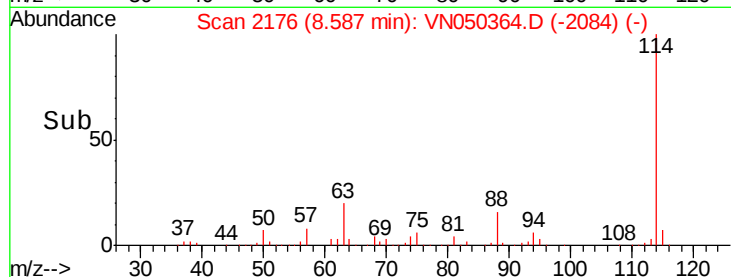
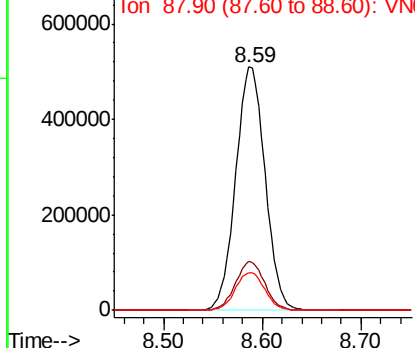
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04

Tot Ion:114 Resp: 1054798
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.5 0.0 31.2

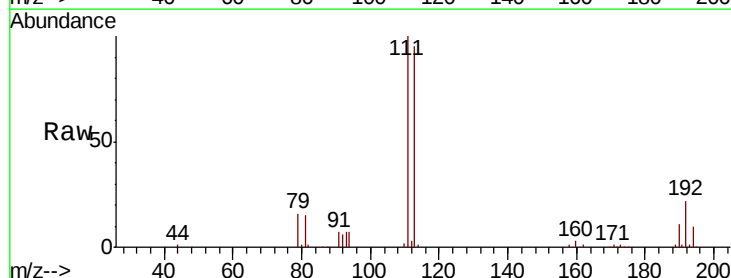


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

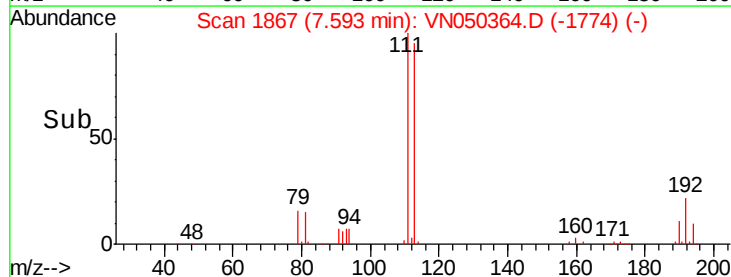
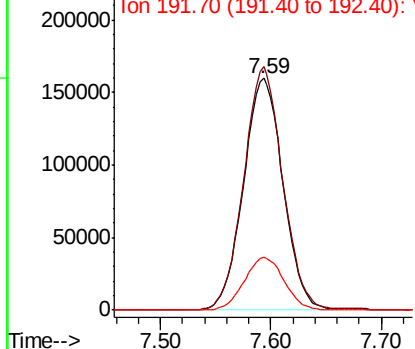


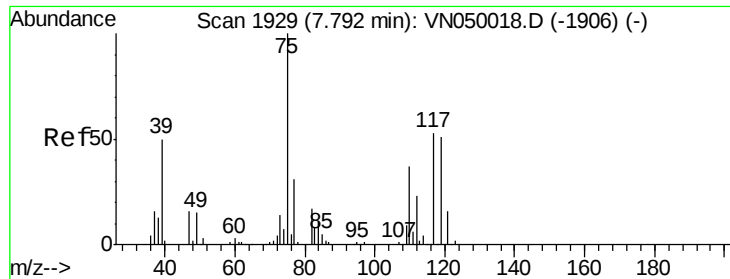
#35
 Dibromofluoromethane
 Concen: 46.15 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion:113 Resp: 397478
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.7 121.1
 192 22.8 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

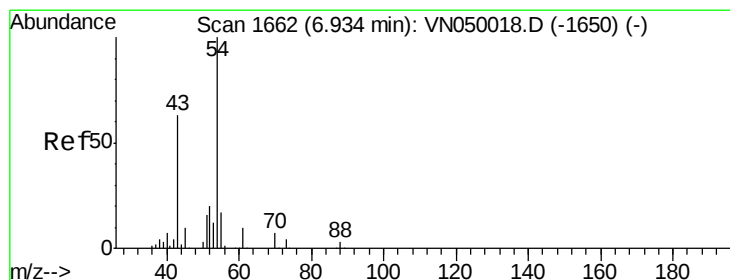
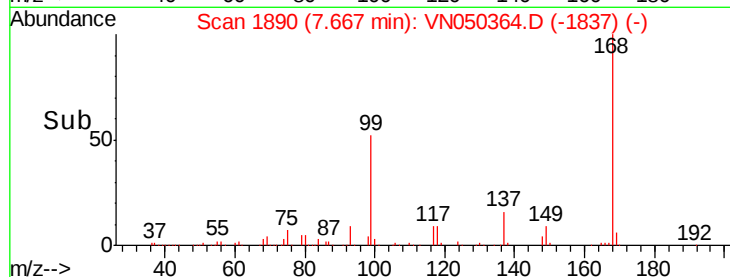
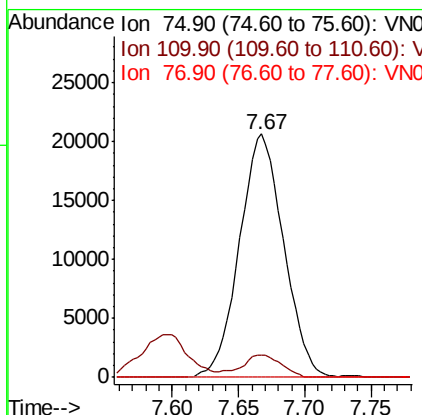
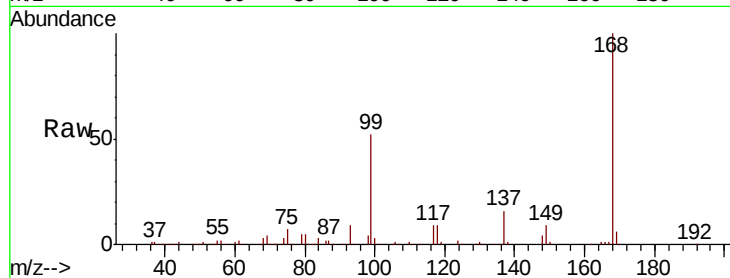




#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

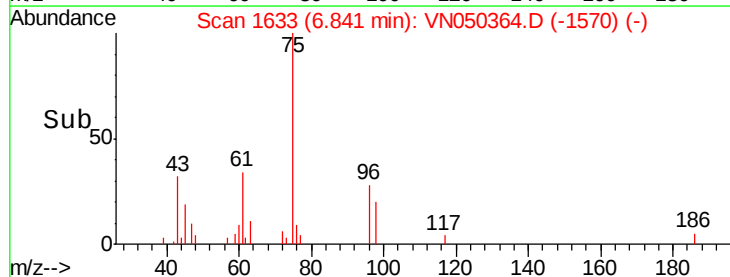
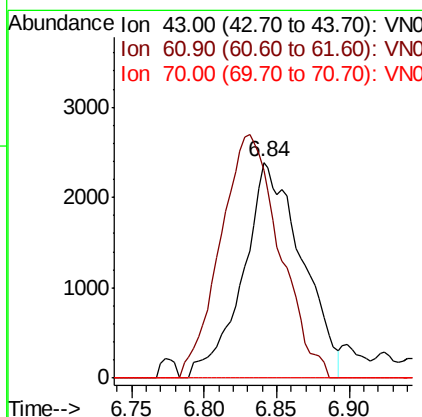
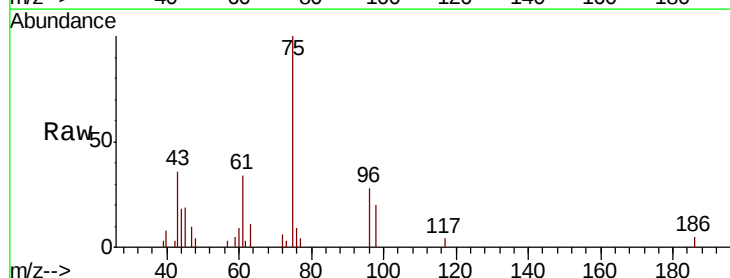
Instrument :
 MSVOA_N
 ClientSampled :
 MW-04

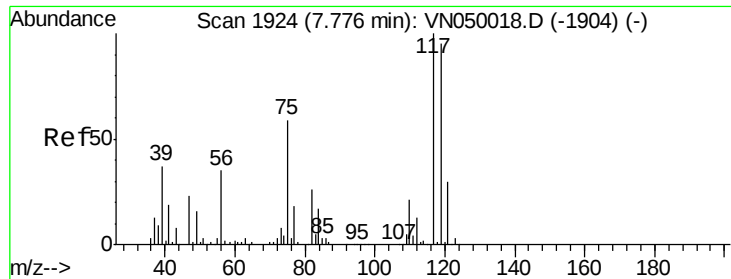
Tot Ion: 75 Resp: 47721
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.2#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 0.81 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.10 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion: 43 Resp: 6726
 Ion Ratio Lower Upper
 43 100
 61 114.1 11.8 17.8#
 70 0.0 8.4 12.6#

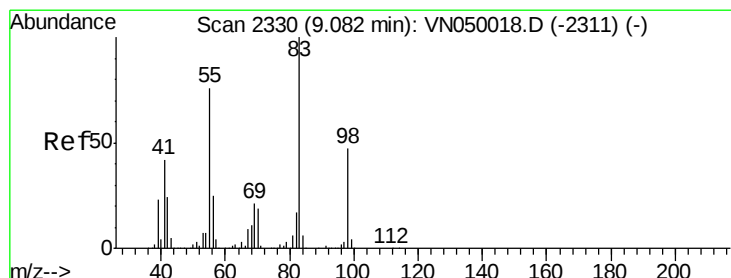
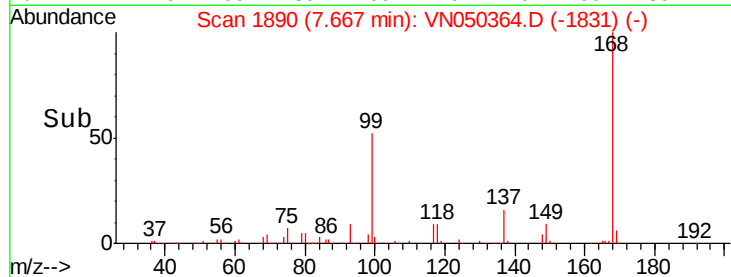
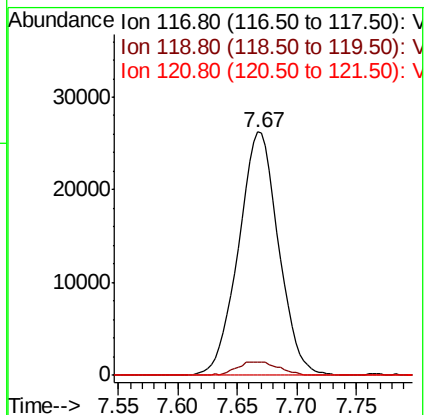
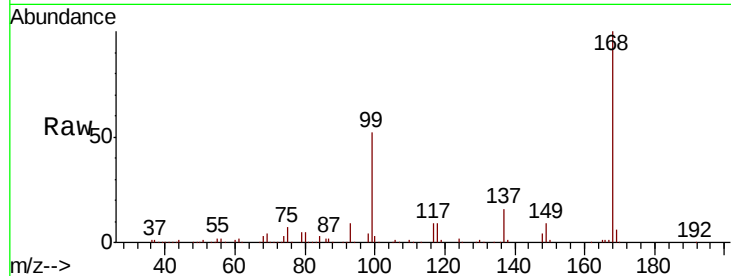




#38
Carbon Tetrachloride
Concen: 4.85 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

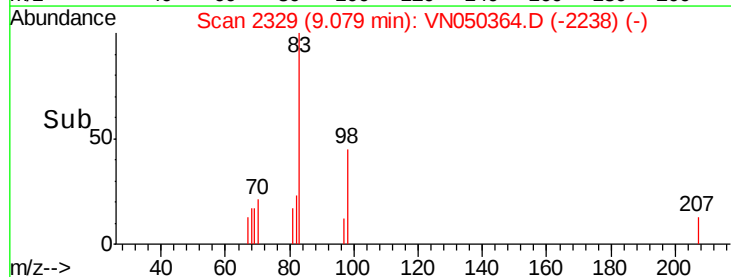
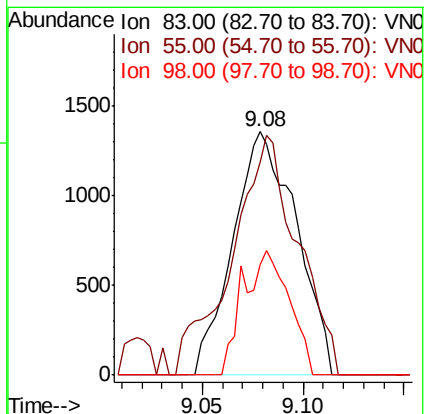
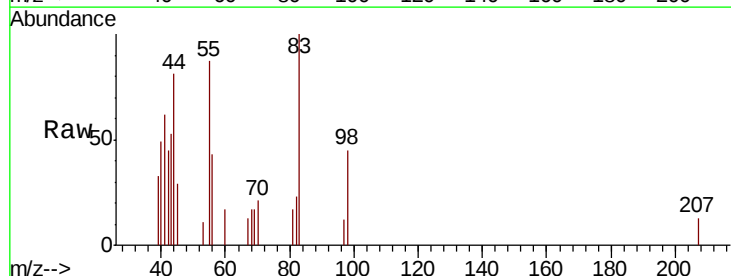
Instrument :
MSVOA_N
ClientSampled :
MW-04

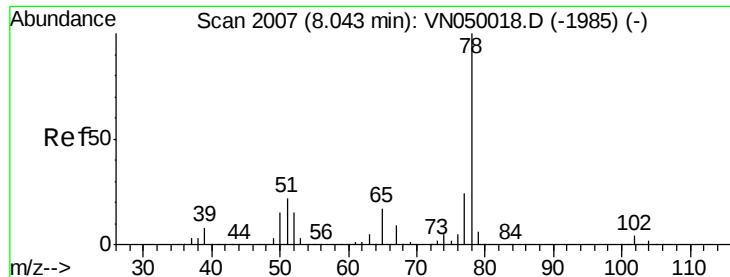
Tot Ion:117 Resp: 61145
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 0.24 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 83 Resp: 2966
Ion Ratio Lower Upper
83 100
55 87.5 61.8 92.8
98 45.1 36.5 54.7





#40

Benzene

Concen: 48.00 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

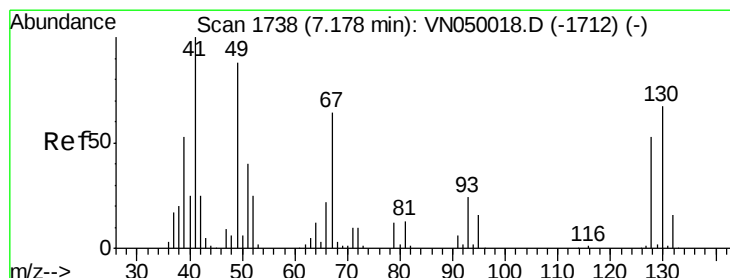
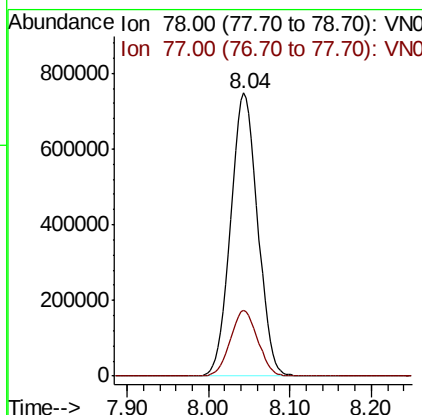
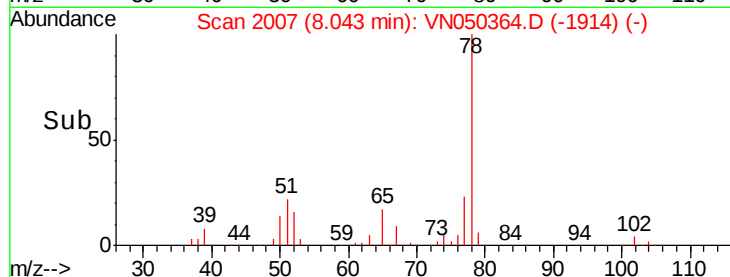
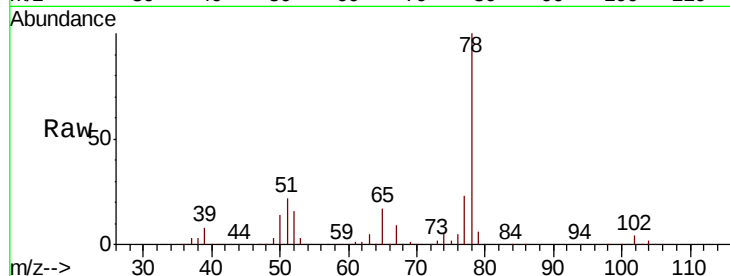
MW-04

Tot Ion: 78 Resp: 1735827

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1



#41

Methacrylonitrile

Concen: 2.79 ug/l

RT: 7.21 min Scan# 1747

Delta R.T. 0.03 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Tgt Ion: 41 Resp: 186

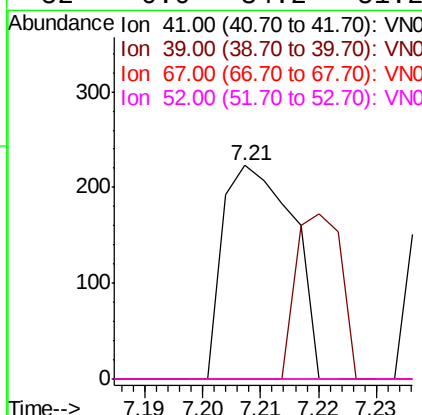
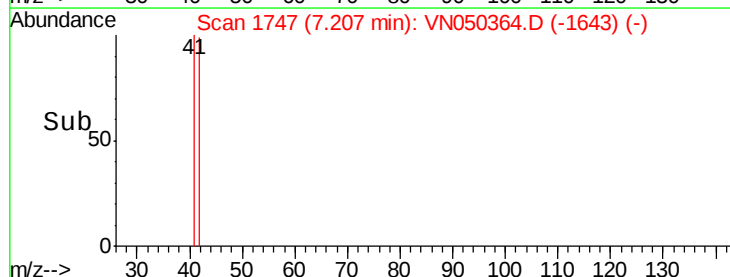
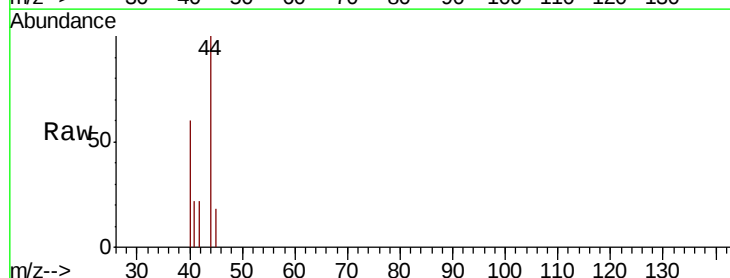
Ion Ratio Lower Upper

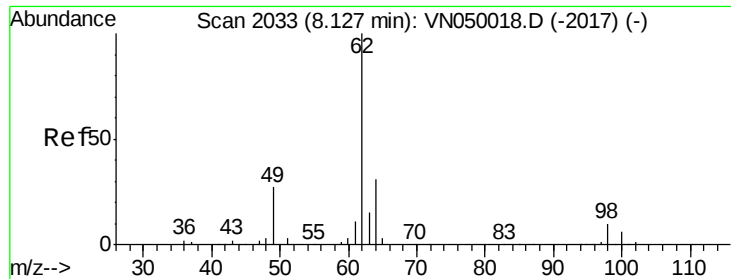
41 100

39 50.5 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

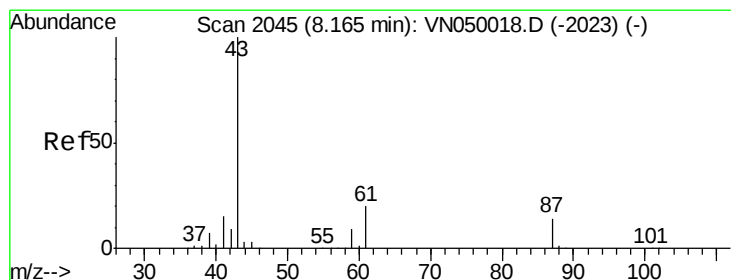
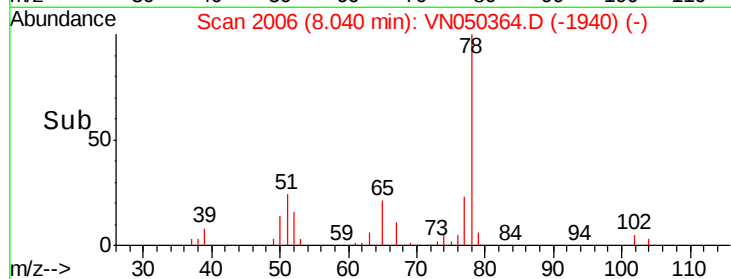
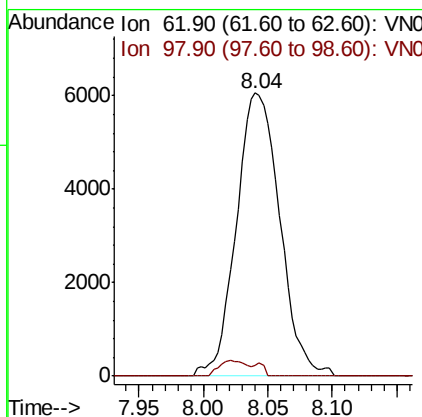
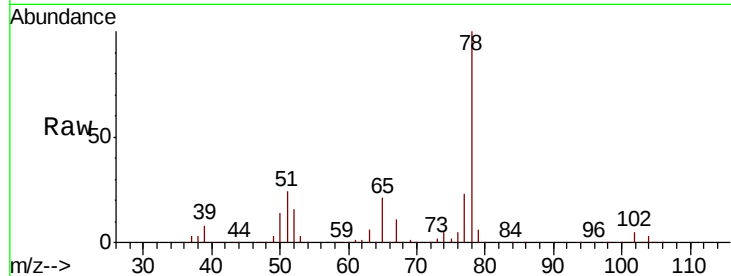




#42
 1,2-Dichloroethane
 Concen: 1.18 ug/l
 RT: 8.04 min Scan# 2006
 Delta R.T. -0.09 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

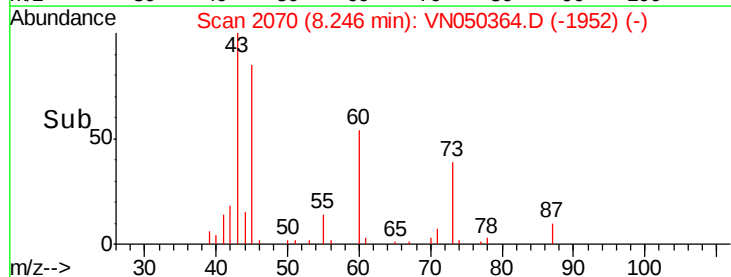
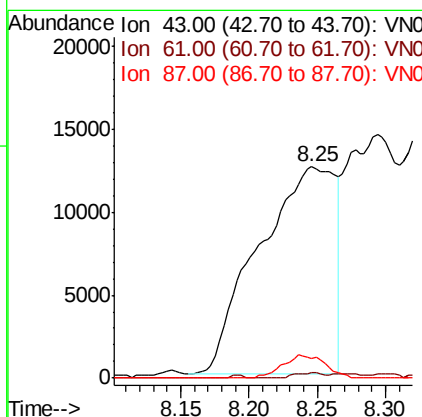
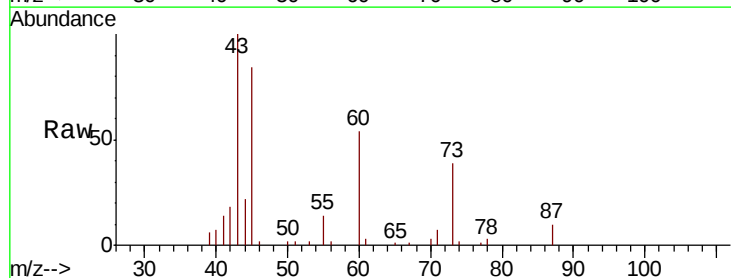
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04

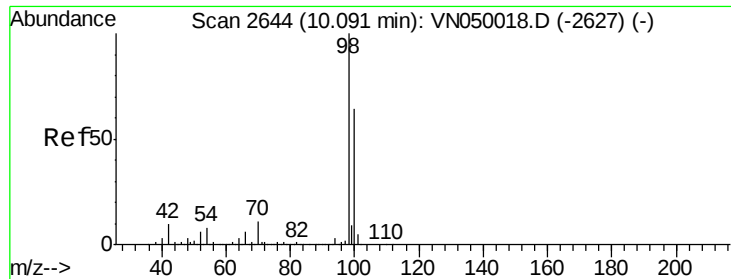
Tot Ion: 62 Resp: 14221
 Ion Ratio Lower Upper
 62 100
 98 3.5 0.0 18.8



#43
 Isopropyl Acetate
 Concen: 2.03 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.08 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion: 43 Resp: 48804
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.6#
 87 6.1 10.3 15.5#





#50

Toluene-d8

Concen: 46.79 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

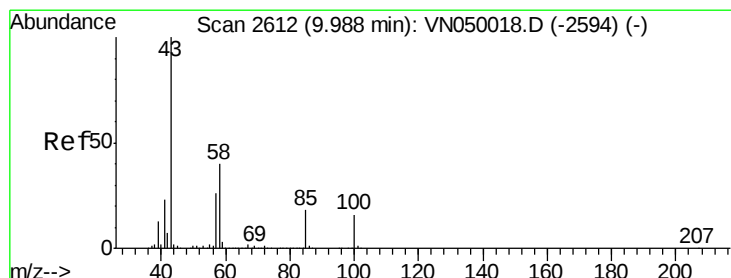
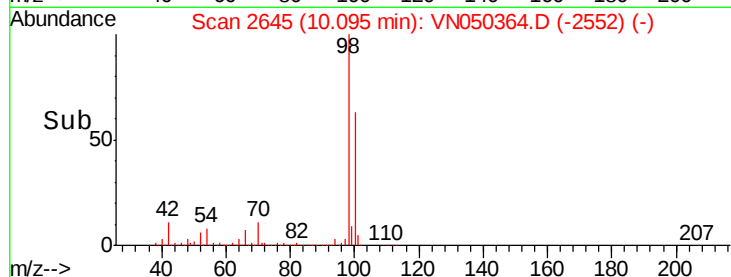
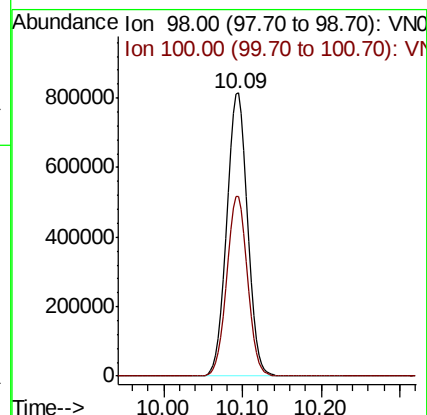
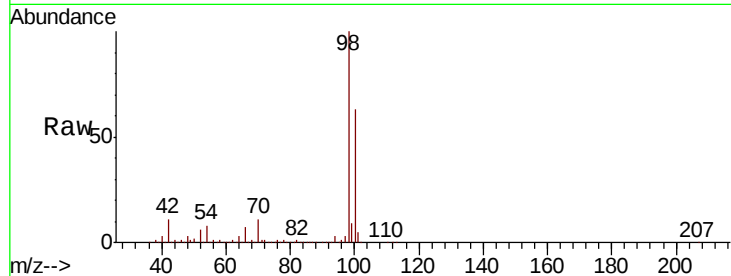
MW-04

Tot Ion: 98 Resp: 1481495

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.99 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050364.D

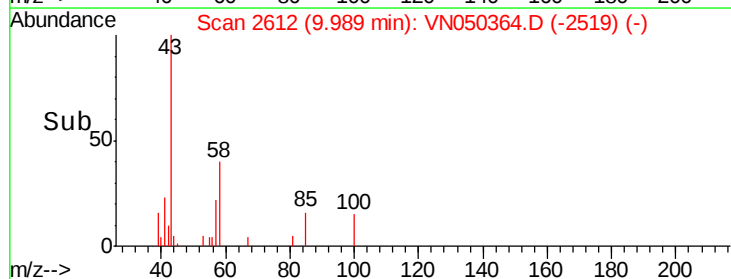
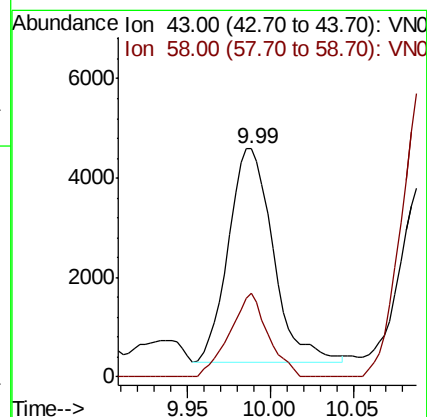
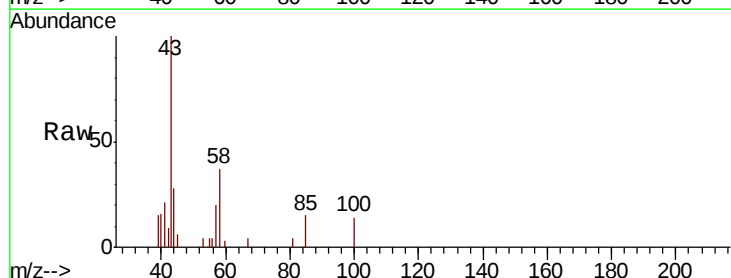
Acq: 4 Aug 2018 14:07

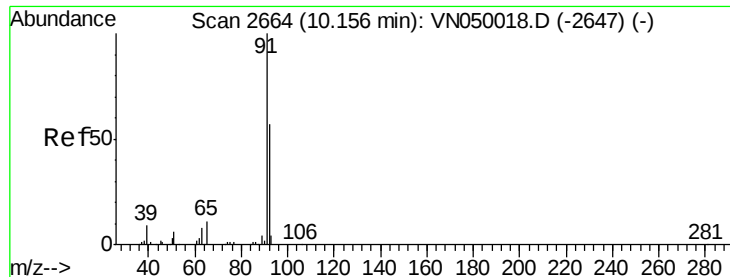
Tgt Ion: 43 Resp: 8047

Ion Ratio Lower Upper

43 100

58 33.7 31.9 47.9





#52

Toluene

Concen: 3.11 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

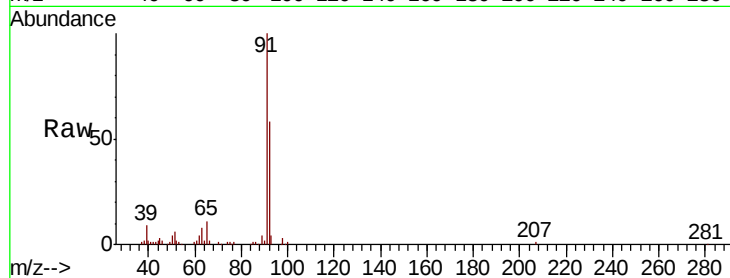
MW-04

Tot Ion: 92 Resp: 66328

Ion Ratio Lower Upper

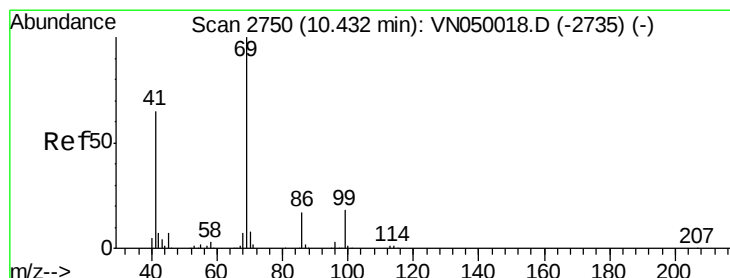
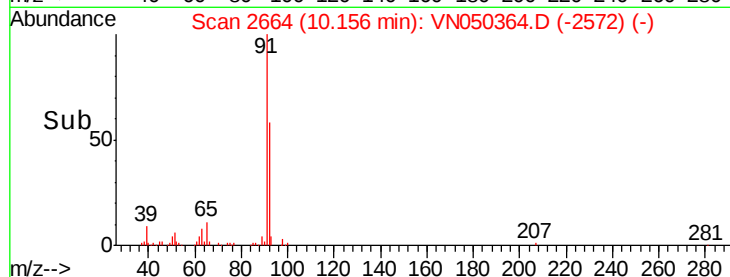
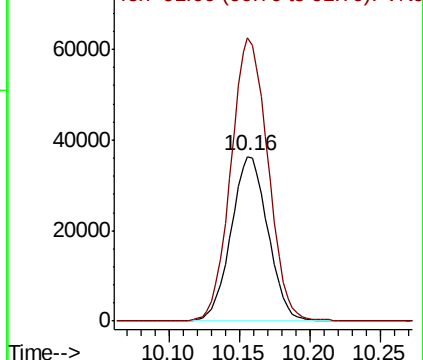
92 100

91 173.5 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#56

Ethyl methacrylate

Concen: 2.07 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

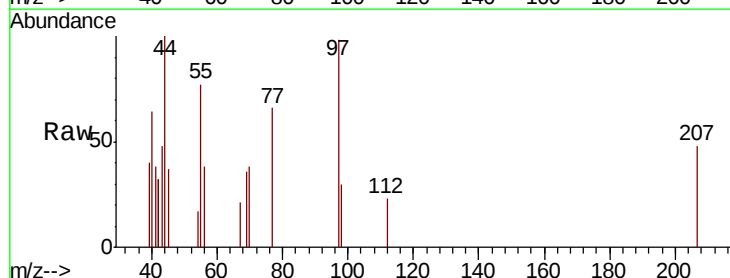
Tgt Ion: 69 Resp: 420

Ion Ratio Lower Upper

69 100

41 74.3 51.0 76.4

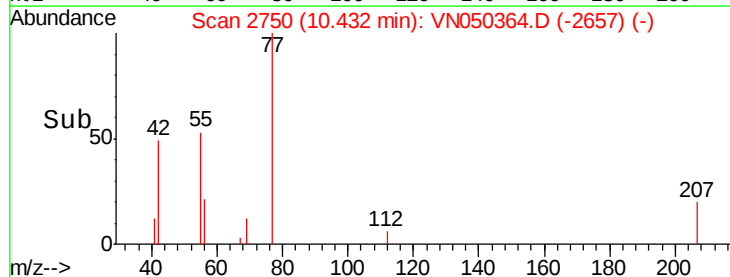
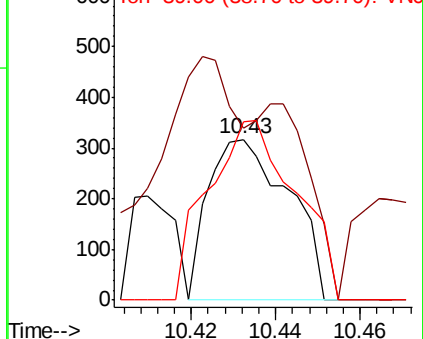
39 122.1 26.6 40.0#

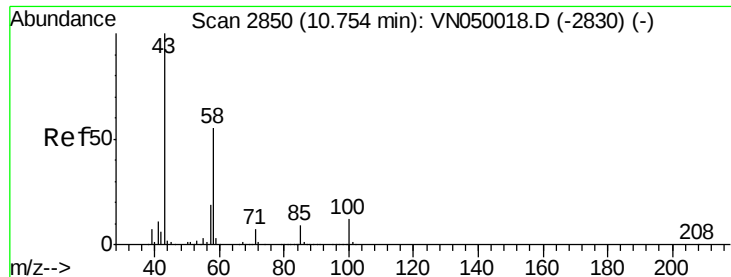


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

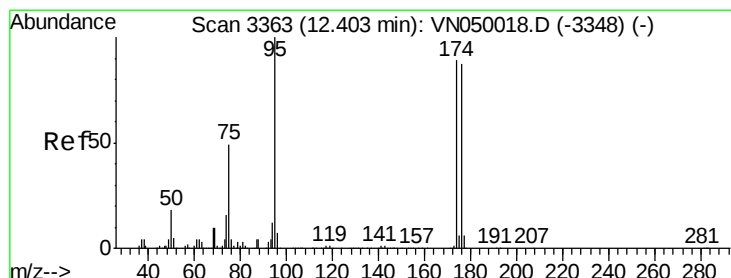
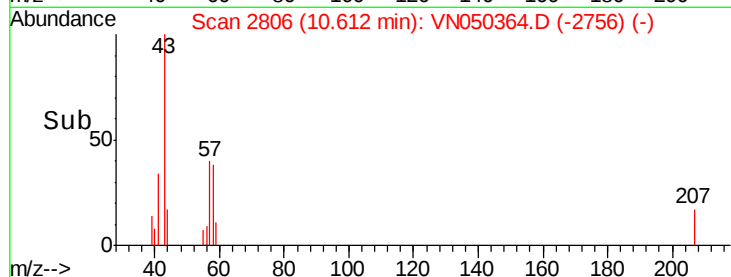
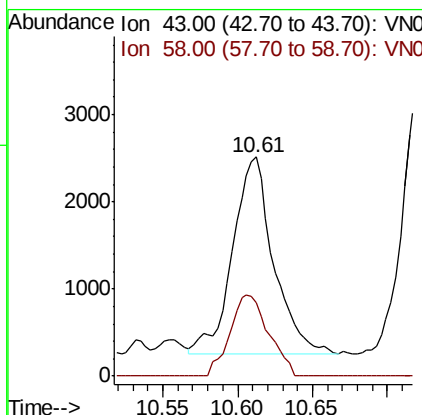
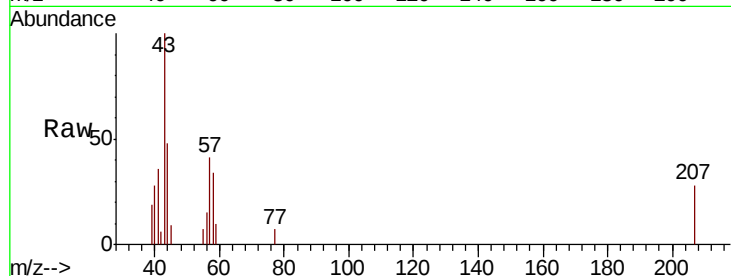




#59
2-Hexanone
Concen: 5.88 ug/l
RT: 10.61 min Scan# 2806
Delta R.T. -0.14 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

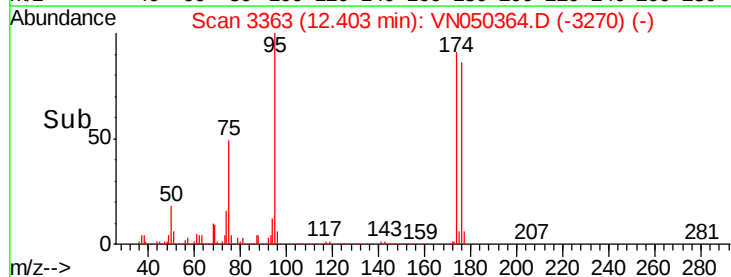
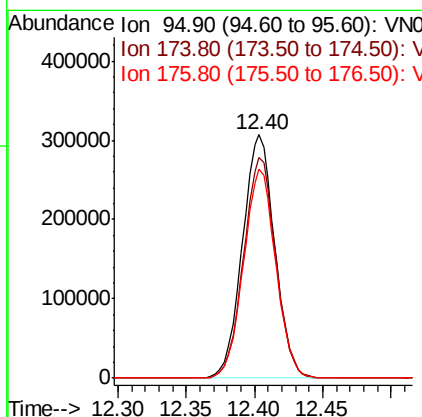
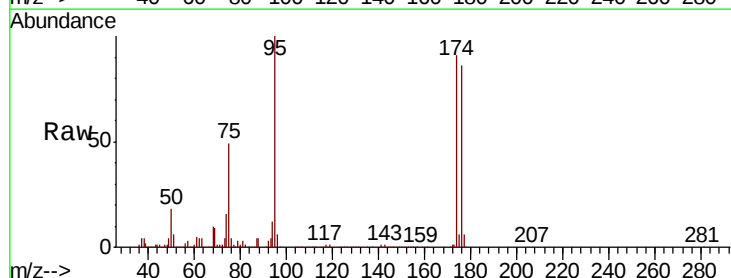
Instrument :
MSVOA_N
ClientSampleId :
MW-04

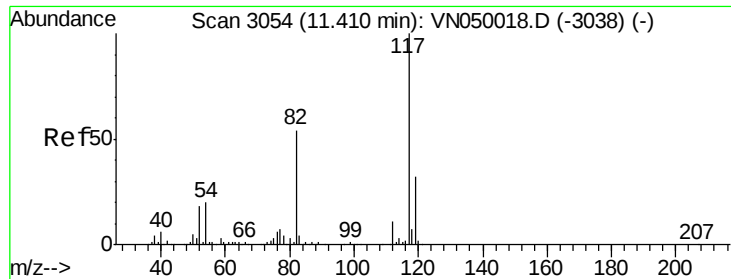
Tot Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
58 38.8 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 48.21 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 95 Resp: 502650
Ion Ratio Lower Upper
95 100
174 90.8 0.0 178.2
176 85.8 0.0 173.4

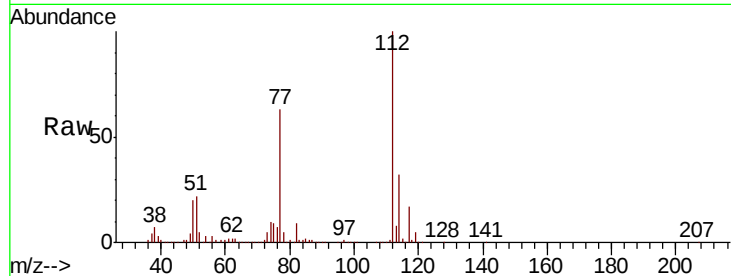




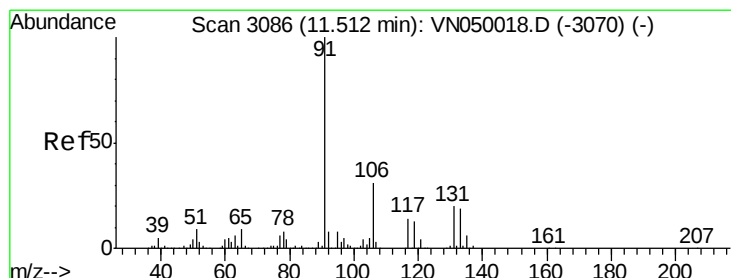
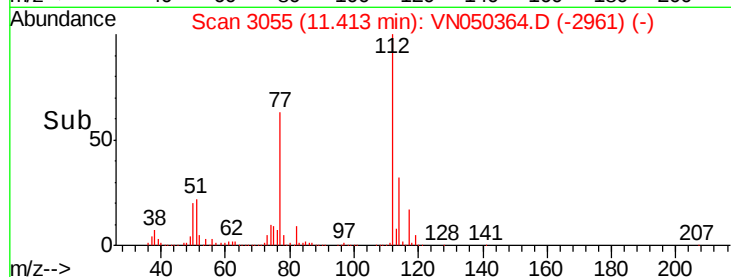
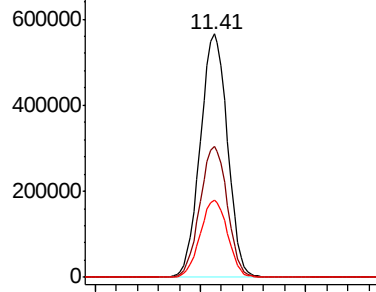
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
MW-04

Tot Ion:117 Resp: 1009543
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 31.8 26.1 39.1

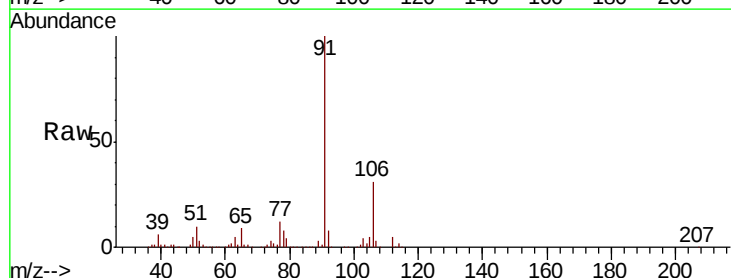


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

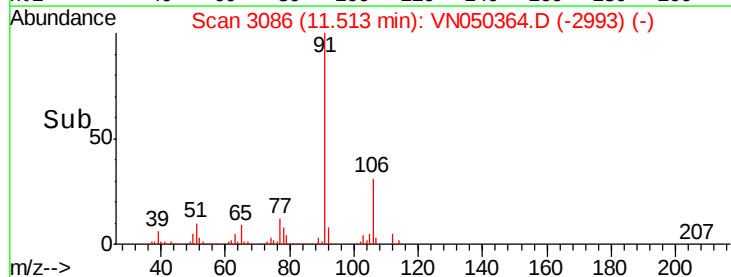
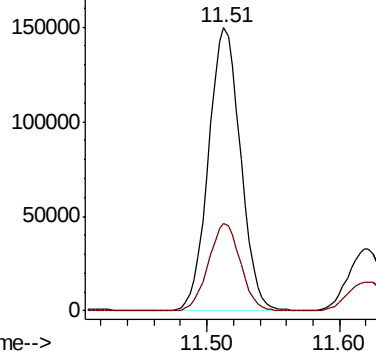


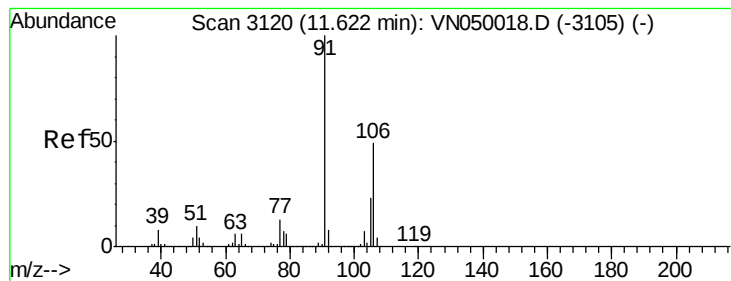
#67
Ethyl Benzene
Concen: 6.13 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 91 Resp: 251183
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



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





#68

m/p-Xylenes

Concen: 2.00 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

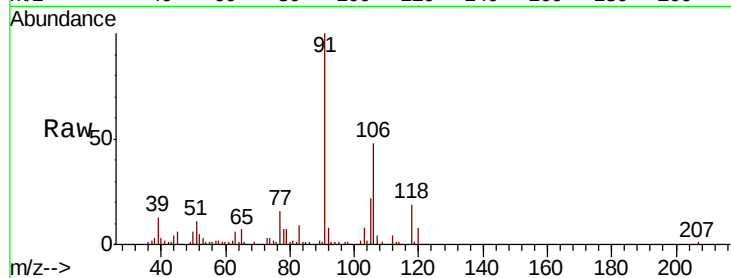
MW-04

Tot Ion:106 Resp: 30959

Ion Ratio Lower Upper

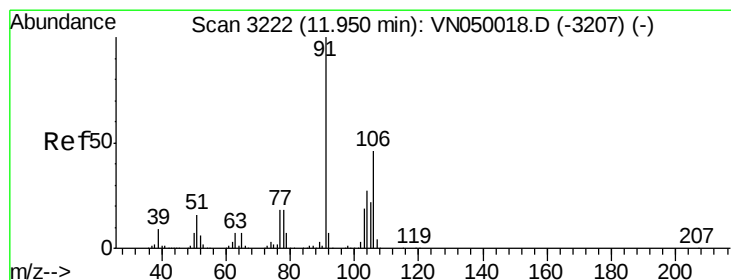
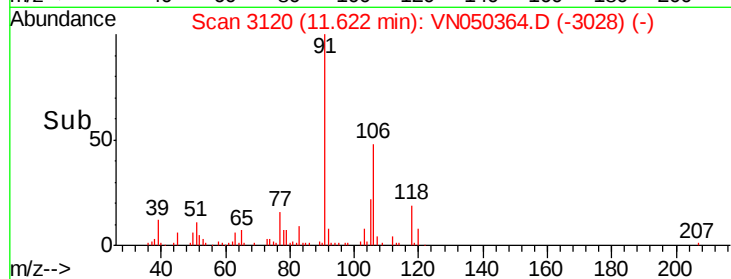
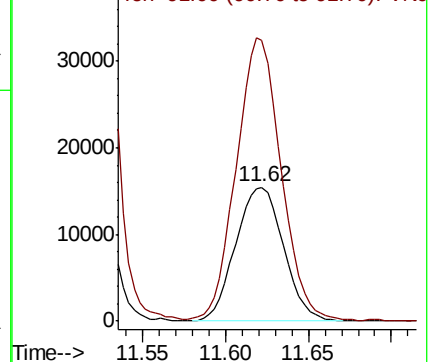
106 100

91 199.2 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 5.59 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050364.D

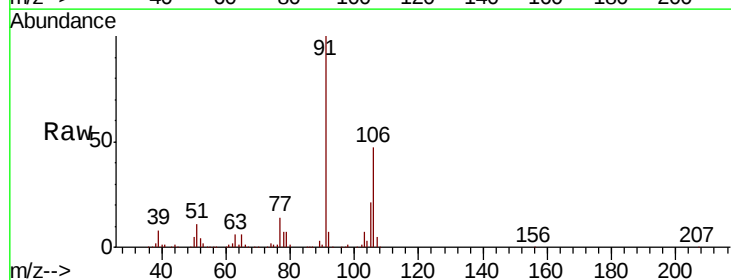
Acq: 4 Aug 2018 14:07

Tgt Ion:106 Resp: 82613

Ion Ratio Lower Upper

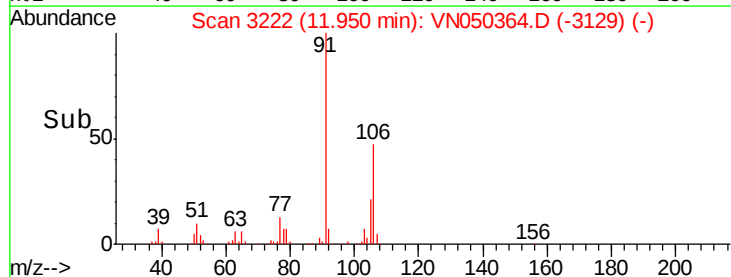
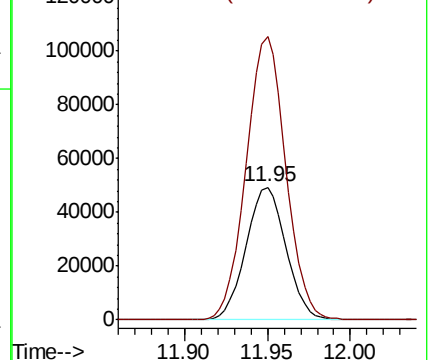
106 100

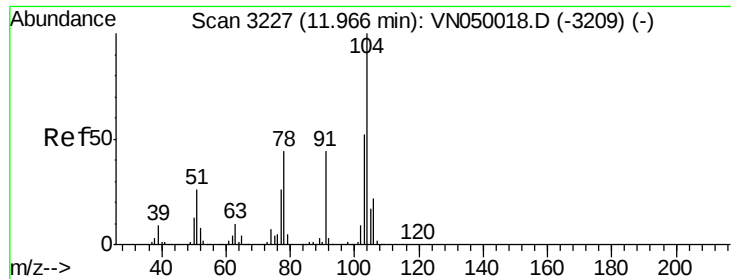
91 212.2 107.7 323.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 1.13 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.02 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

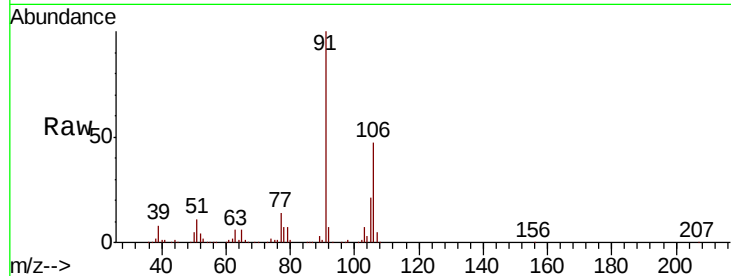
Tot Ion:104 Resp: 5531

Ion Ratio Lower Upper

104 100

78 240.2 39.3 58.9#

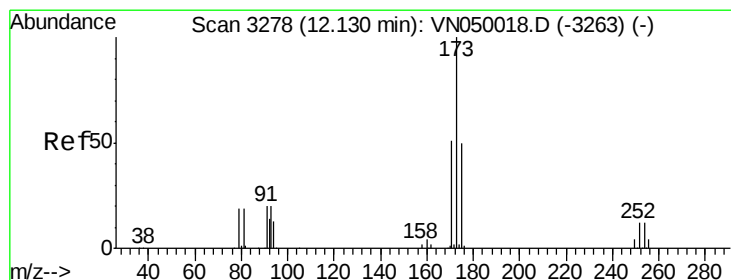
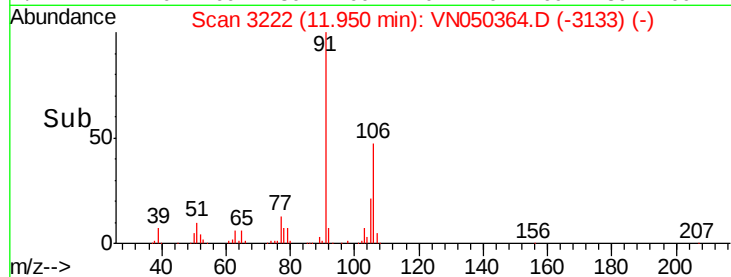
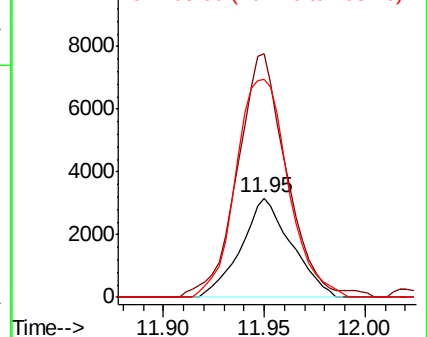
103 228.9 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

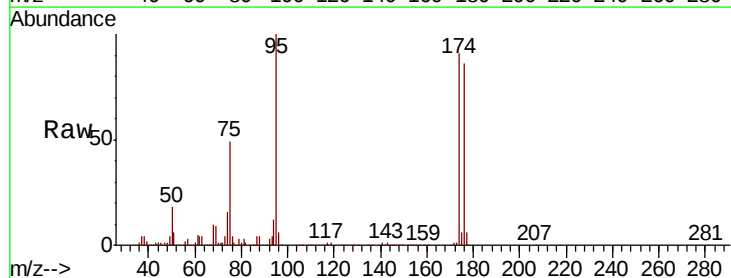
Tgt Ion:173 Resp: 3177

Ion Ratio Lower Upper

173 100

175 930.7 24.1 72.2#

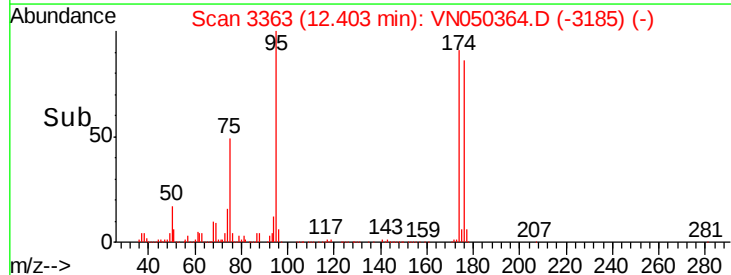
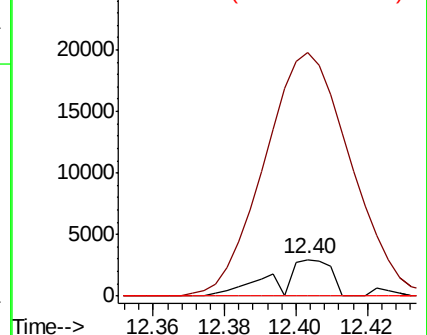
254 0.0 0.2 0.2#

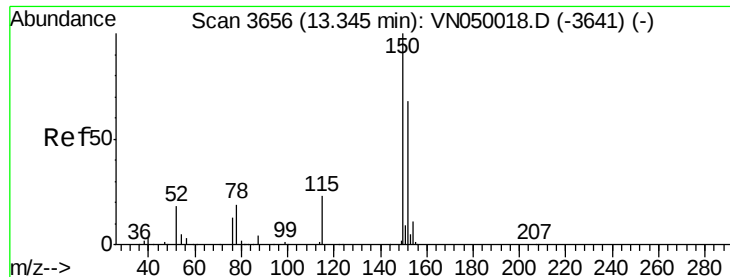


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

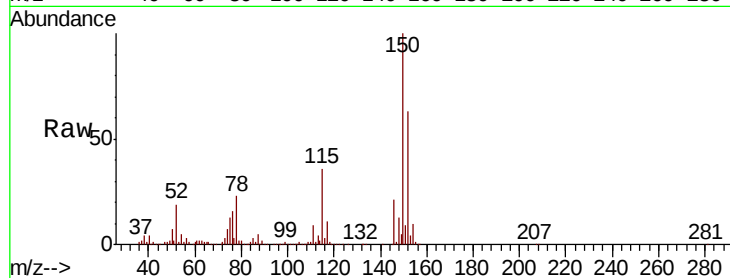
Tot Ion:152 Resp: 484682

Ion Ratio Lower Upper

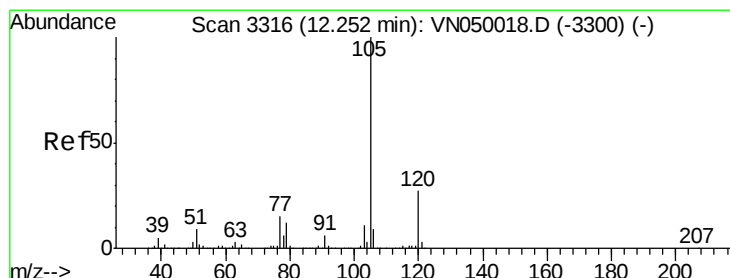
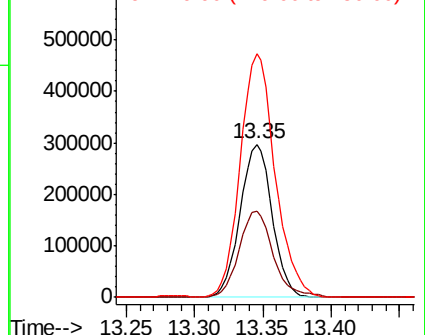
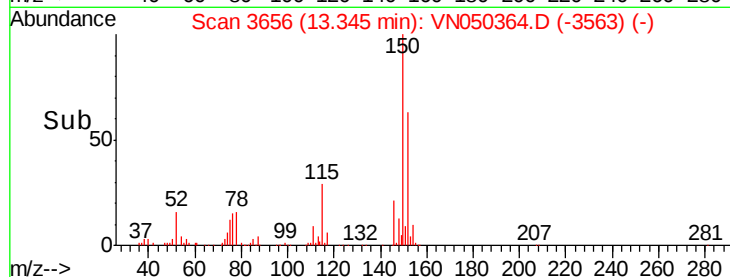
152 100

115 59.5 27.8 83.3

150 173.0 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



#73

Isopropylbenzene

Concen: 2.77 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050364.D

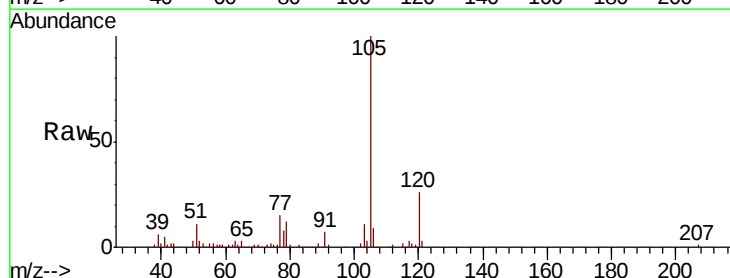
Acq: 4 Aug 2018 14:07

Tgt Ion:105 Resp: 104040

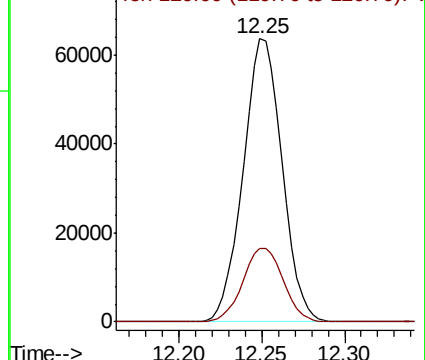
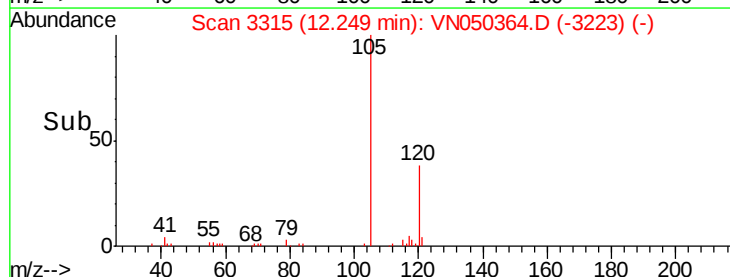
Ion Ratio Lower Upper

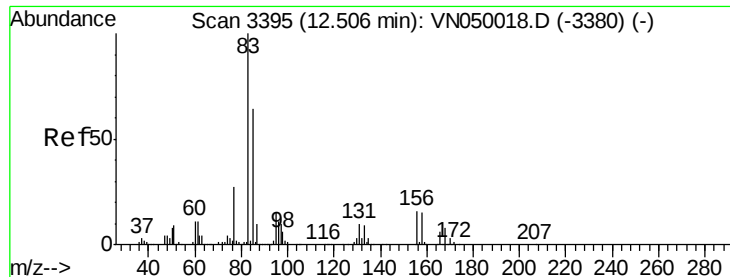
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

MW-04

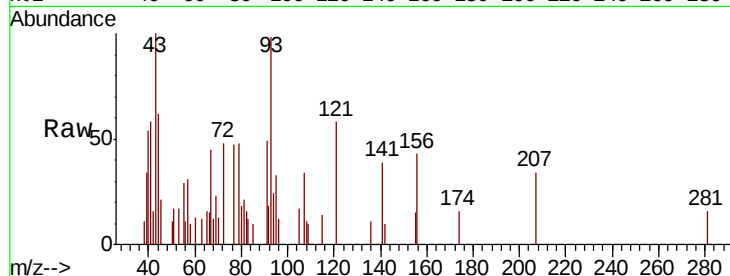
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

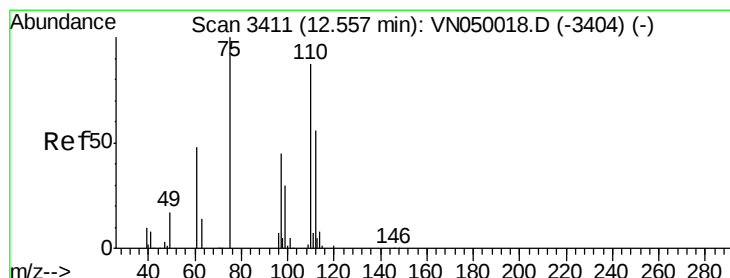
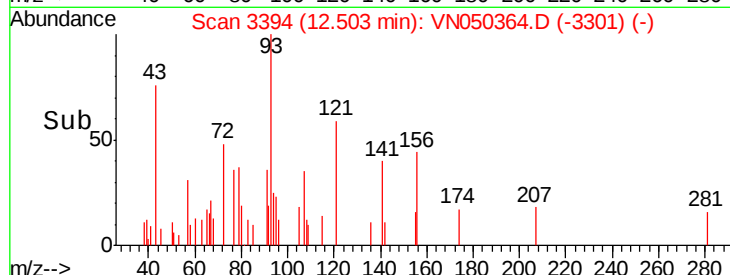
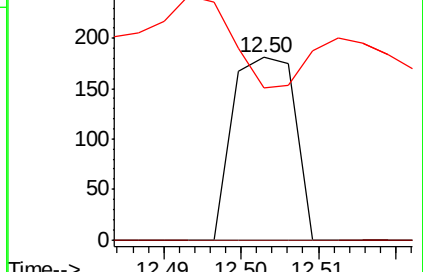
85 179.2 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050364.D

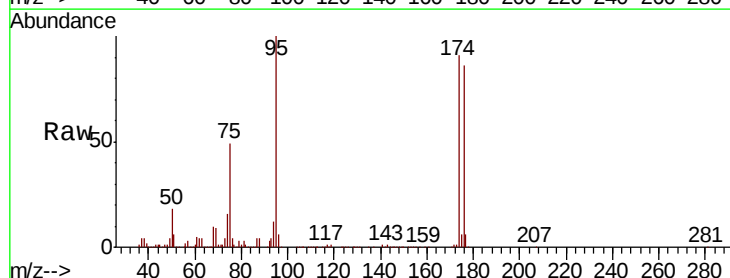
Acq: 4 Aug 2018 14:07

Tgt Ion: 75 Resp: 246570

Ion Ratio Lower Upper

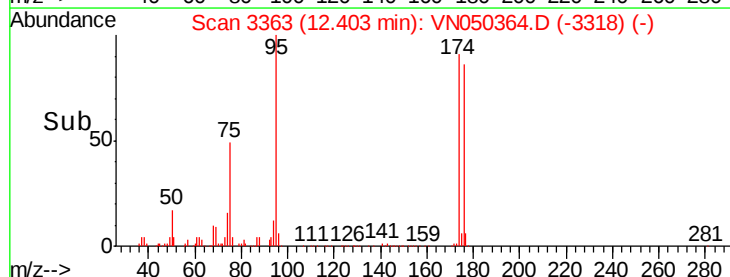
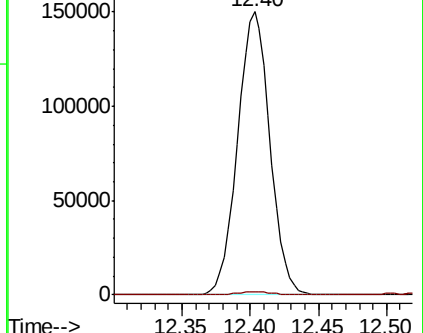
75 100

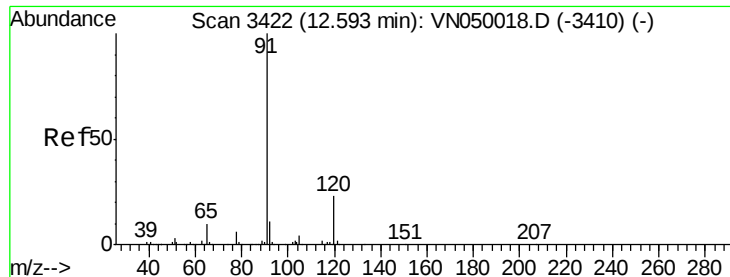
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 7.43 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

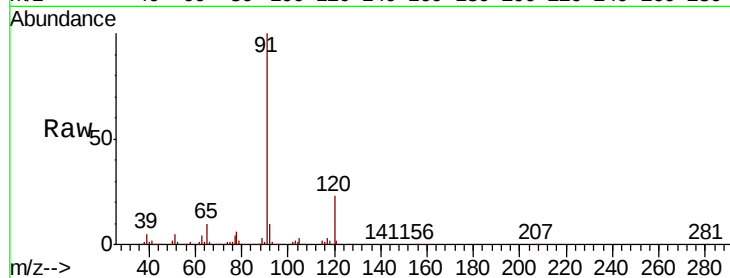
MW-04

Tot Ion: 91 Resp: 312291

Ion Ratio Lower Upper

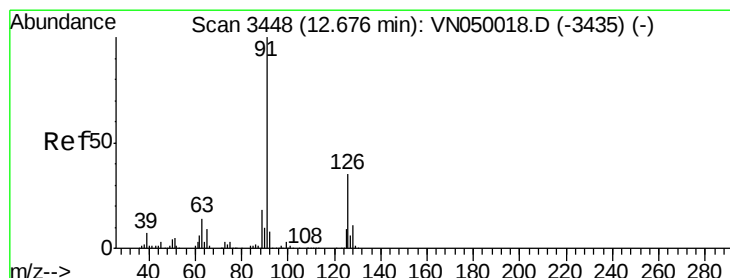
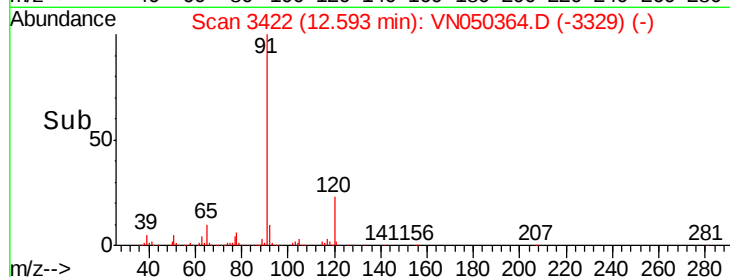
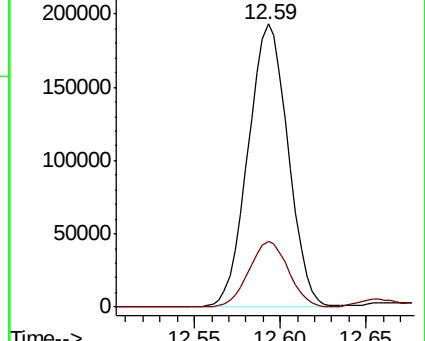
91 100

120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 11.99 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050364.D

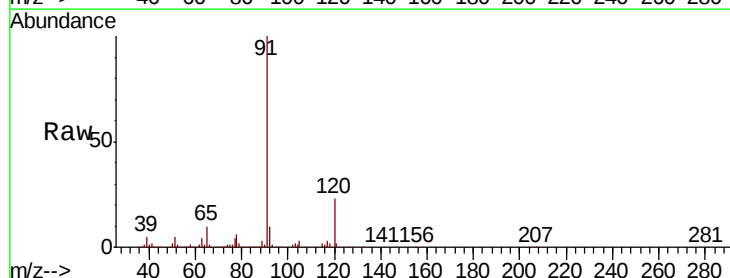
Acq: 4 Aug 2018 14:07

Tgt Ion: 91 Resp: 312291

Ion Ratio Lower Upper

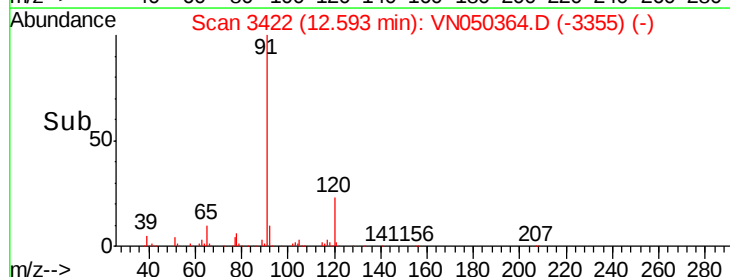
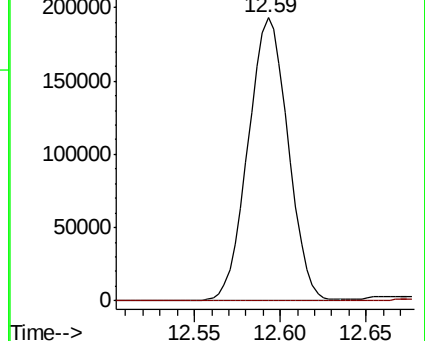
91 100

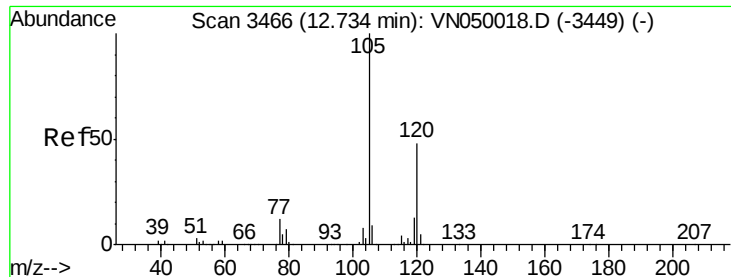
126 0.2 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 2.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

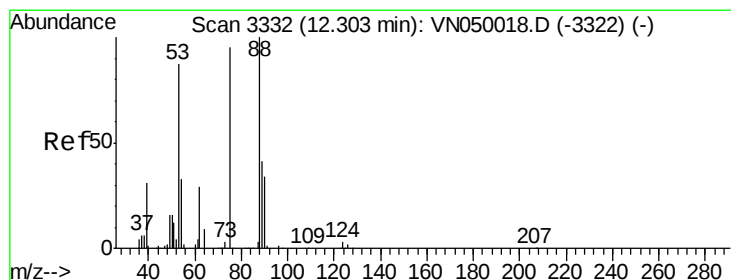
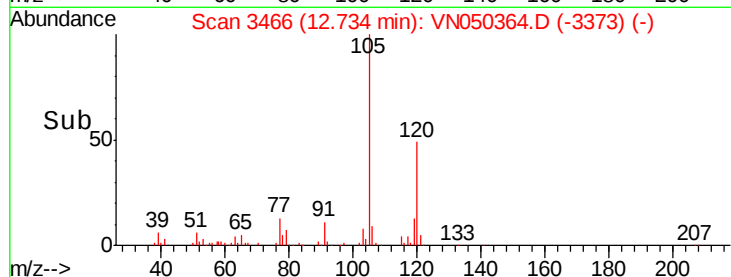
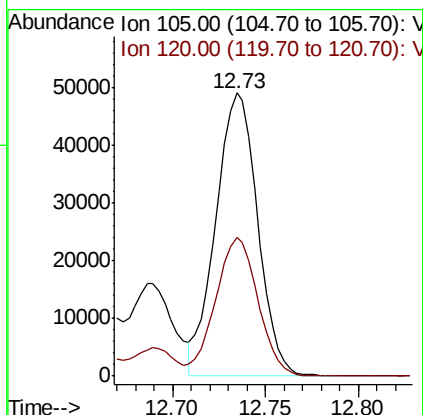
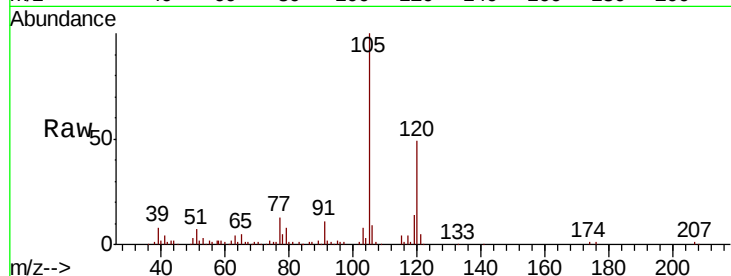
MW-04

Tot Ion:105 Resp: 76890

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 86.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

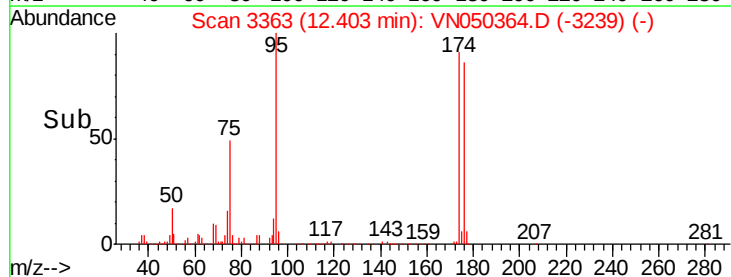
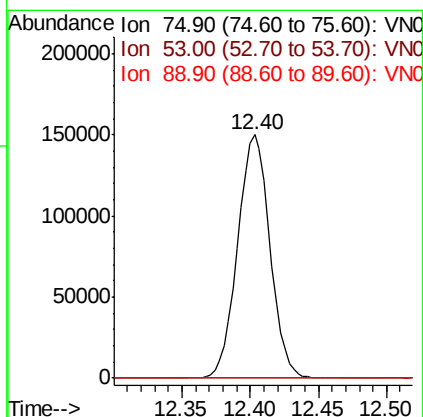
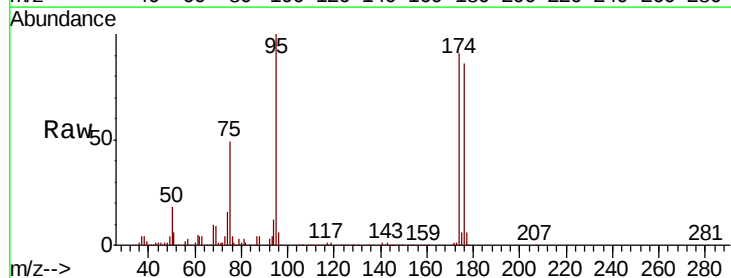
Tgt Ion: 75 Resp: 246570

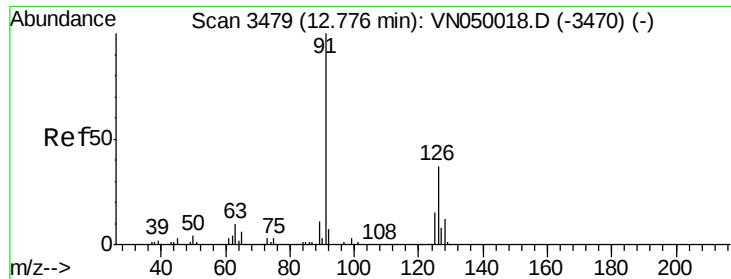
Ion Ratio Lower Upper

75 100

53 0.4 73.5 110.3#

89 0.0 36.0 54.0#





#82

4-Chlorotoluene

Concen: 0.82 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.12 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

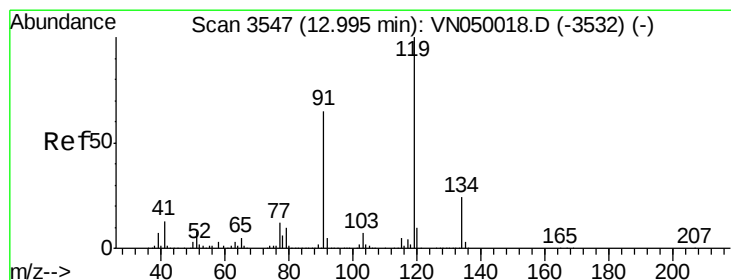
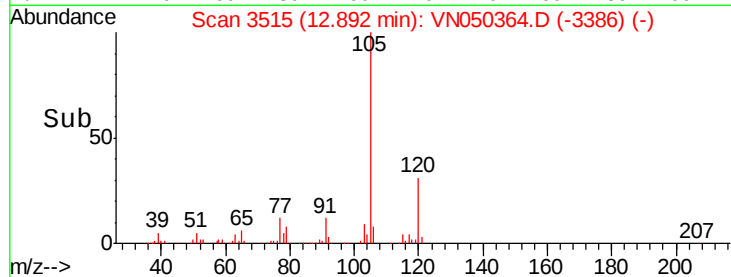
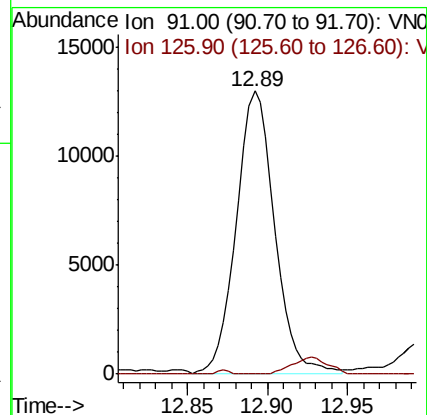
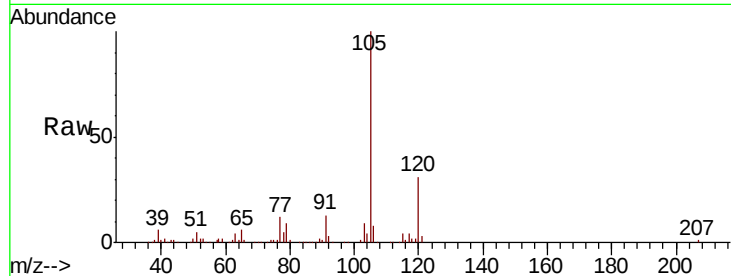
MW-04

Tot Ion: 91 Resp: 21257

Ion Ratio Lower Upper

91 100

126 0.5 17.0 51.0#



#83

tert-Butylbenzene

Concen: 6.20 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

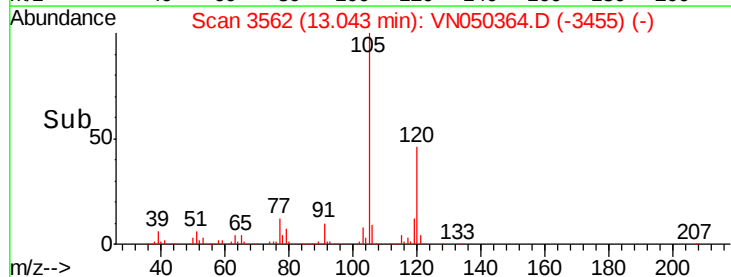
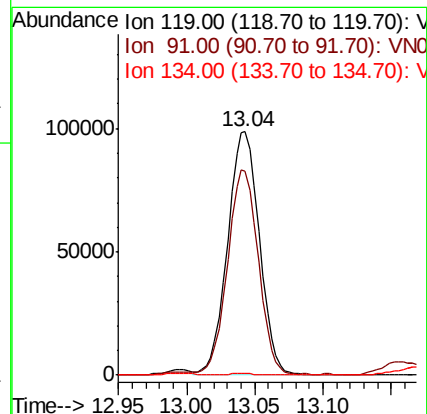
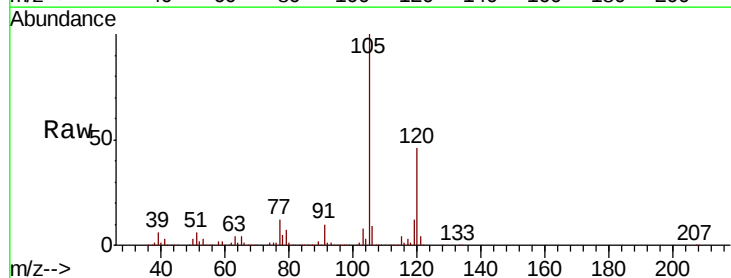
Tgt Ion: 119 Resp: 159947

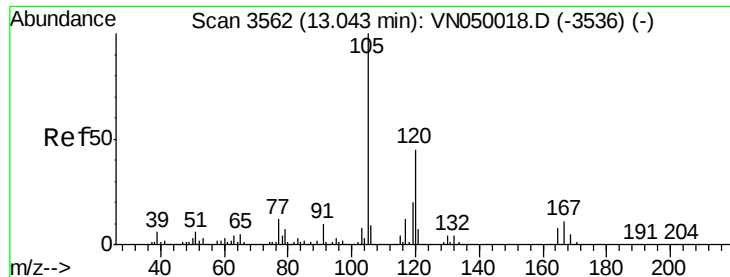
Ion Ratio Lower Upper

119 100

91 80.9 32.1 96.3

134 0.6 13.2 39.5#

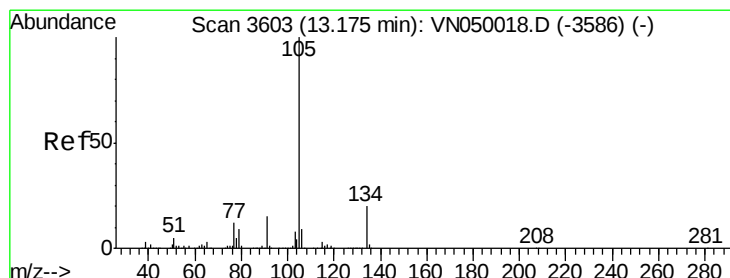
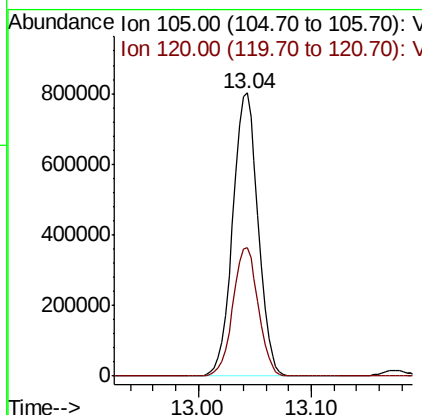
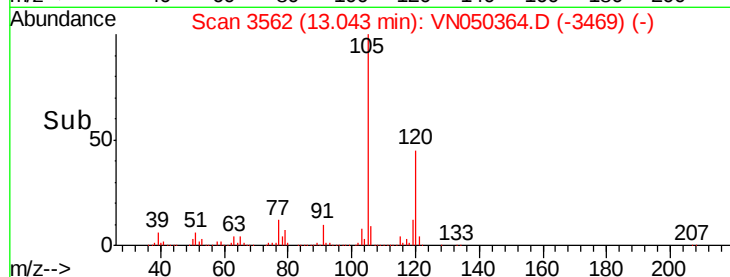
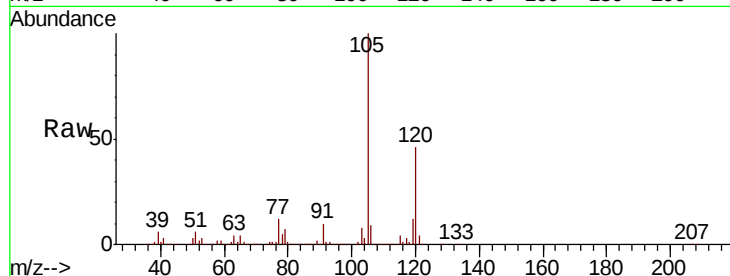




#84
 1,2,4-Trimethylbenzene
 Concen: 41.91 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

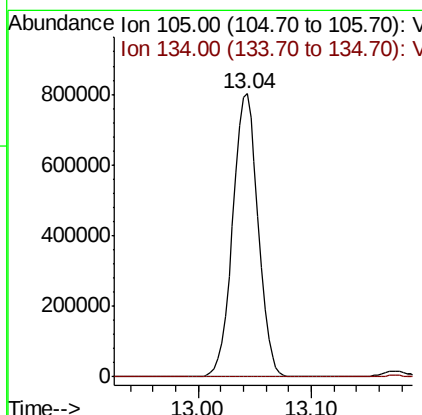
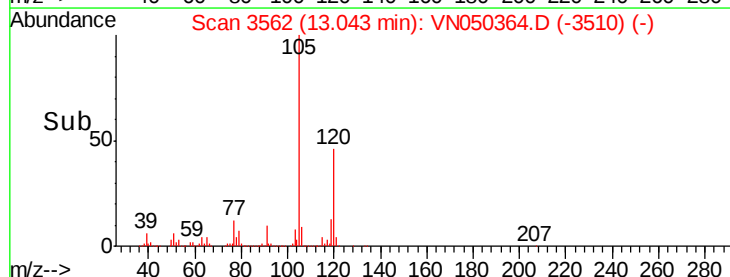
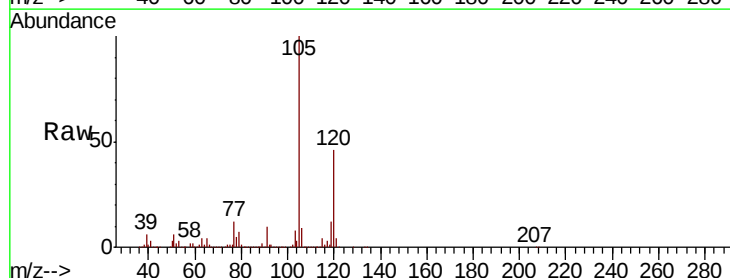
Instrument :
 MSVOA_N
 ClientSampled :
 MW-04

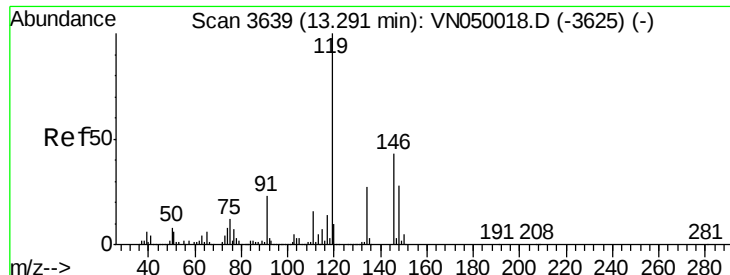
Tot Ion:105 Resp: 1248986
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7



#85
 sec-Butylbenzene
 Concen: 36.23 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.13 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion:105 Resp: 1248986
 Ion Ratio Lower Upper
 105 100
 134 0.1 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 0.49 ug/l

RT: 13.44 min Scan# 3686

Delta R.T. 0.15 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

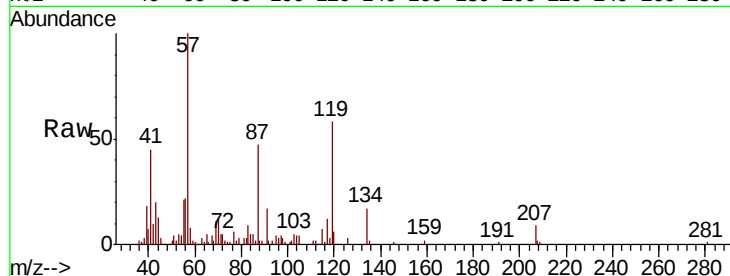
Tot Ion:119 Resp: 14212

Ion Ratio Lower Upper

119 100

134 28.8 13.3 39.8

91 29.8 11.4 34.2

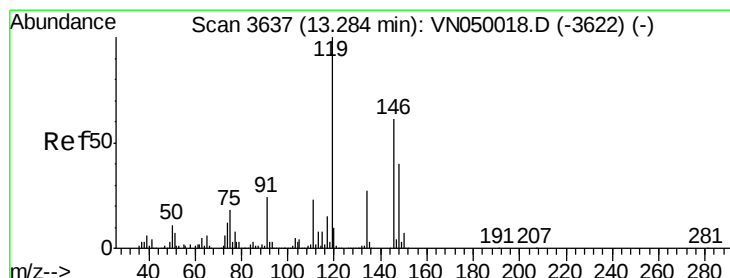
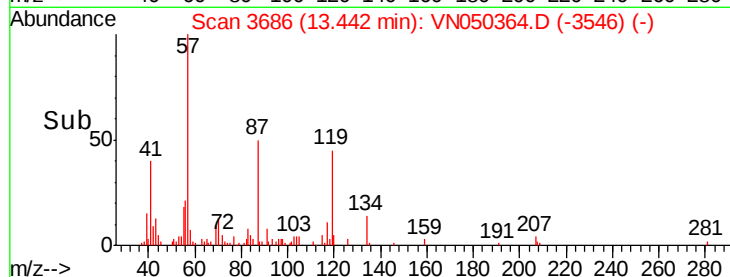
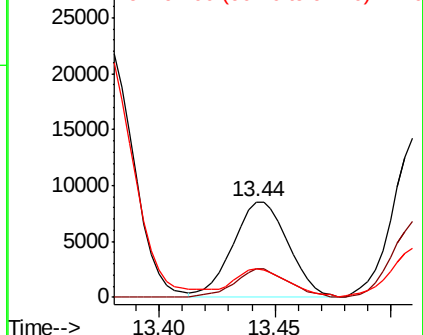


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 2.99 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

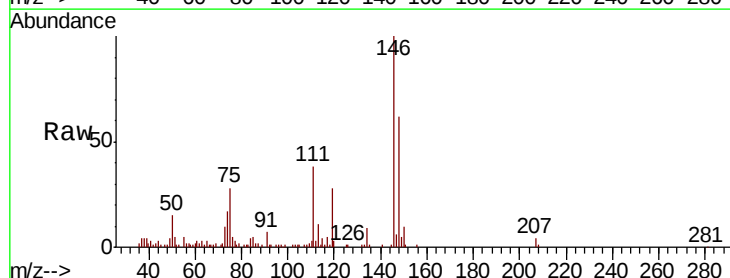
Tgt Ion:146 Resp: 52833

Ion Ratio Lower Upper

146 100

111 38.6 18.8 56.4

148 63.8 31.9 95.9

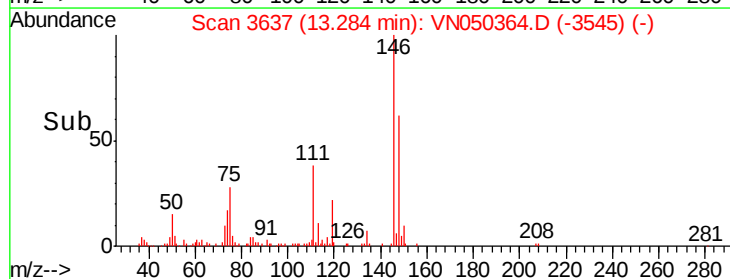
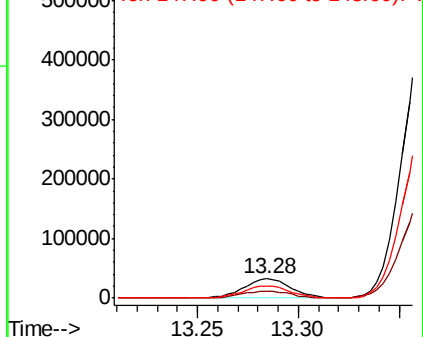


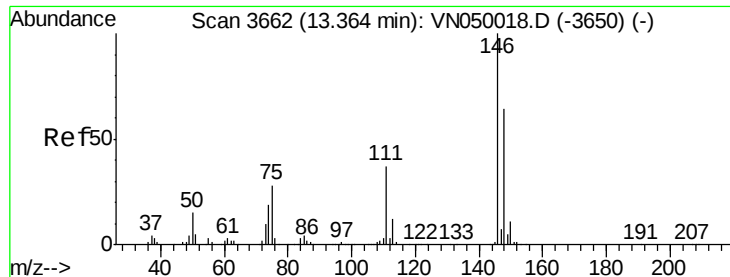
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

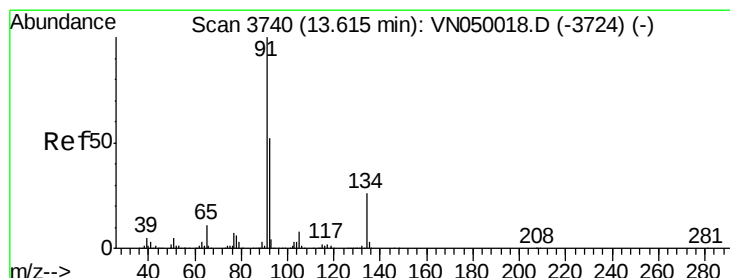
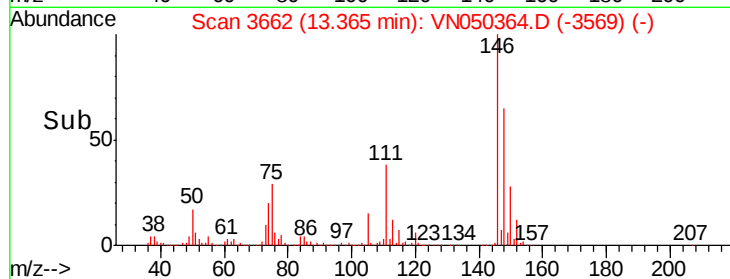
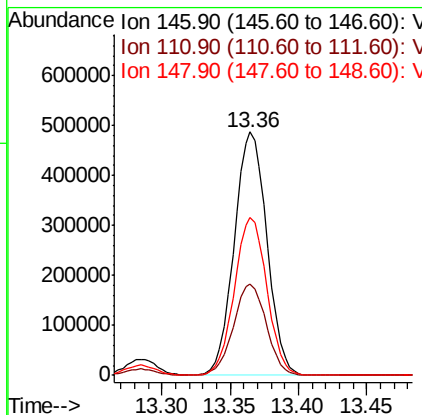
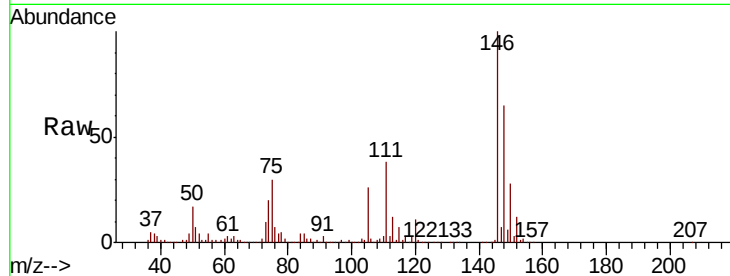




#88
 1,4-Dichlorobenzene
 Concen: 46.96 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

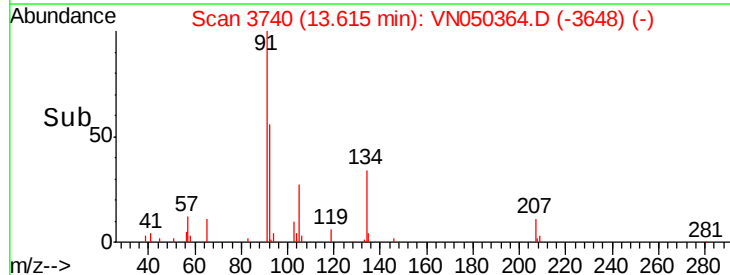
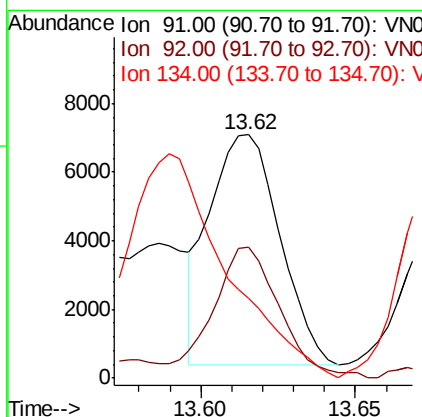
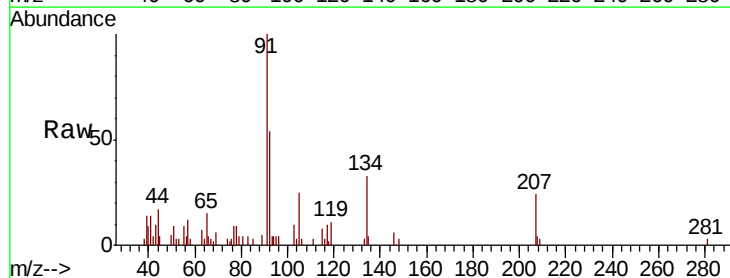
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04

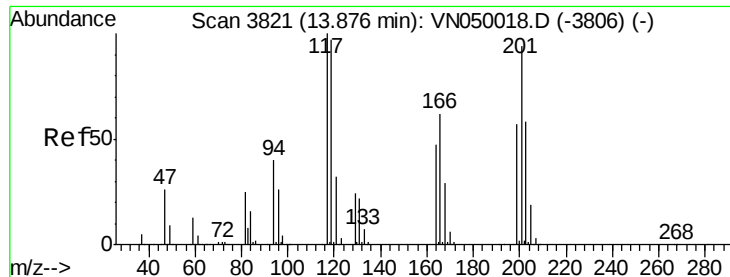
Tot Ion:146 Resp: 808331
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.3 54.9
 148 64.5 31.9 95.9



#89
 n-Butylbenzene
 Concen: 0.44 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion: 91 Resp: 10573
 Ion Ratio Lower Upper
 91 100
 92 55.1 25.8 77.4
 134 0.0 12.8 38.4#





#90

Hexachloroethane

Concen: 1.65 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

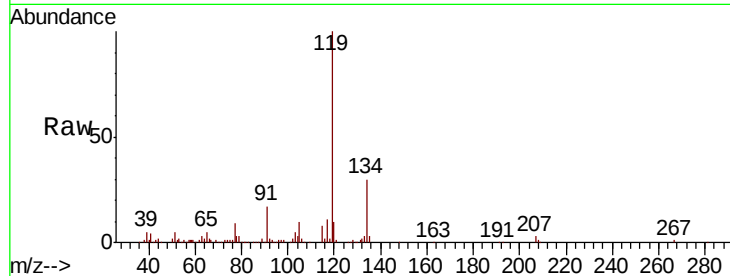
MW-04

Tot Ion:117 Resp: 10635

Ion Ratio Lower Upper

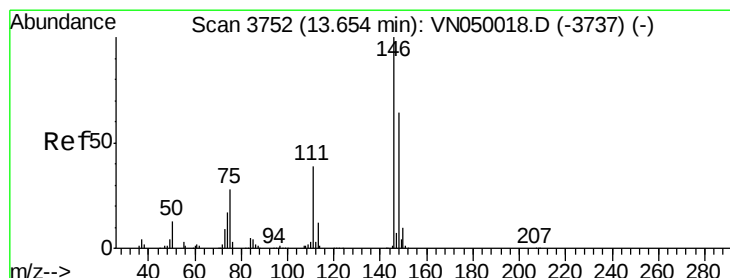
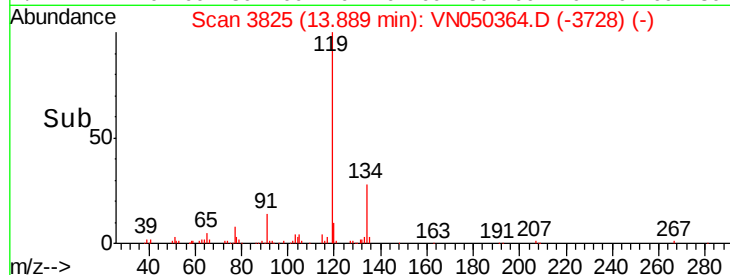
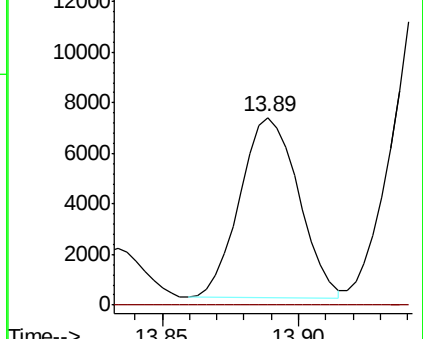
117 100

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



#91

1,2-Dichlorobenzene

Concen: 13.80 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

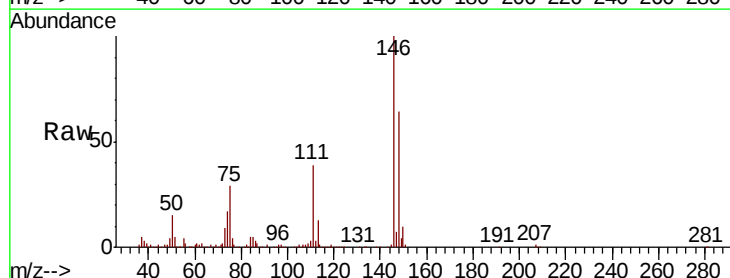
Tgt Ion:146 Resp: 243721

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

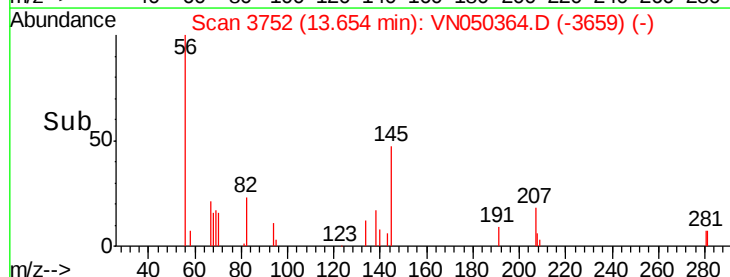
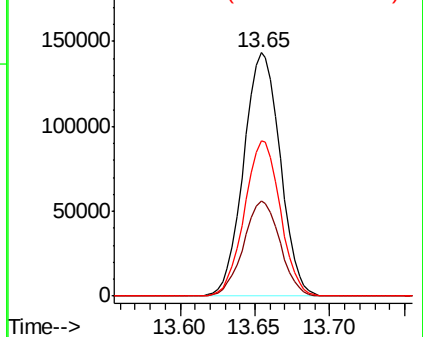
148 62.6 32.1 96.3

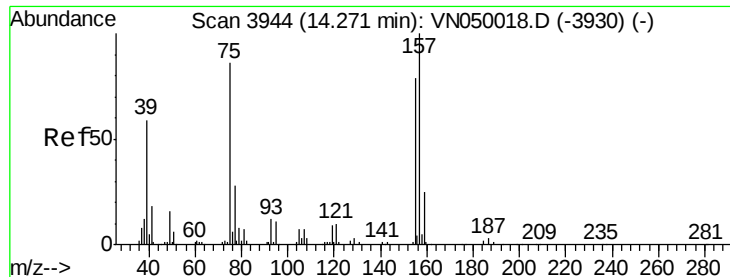


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3947

Delta R.T. 0.01 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

MW-04

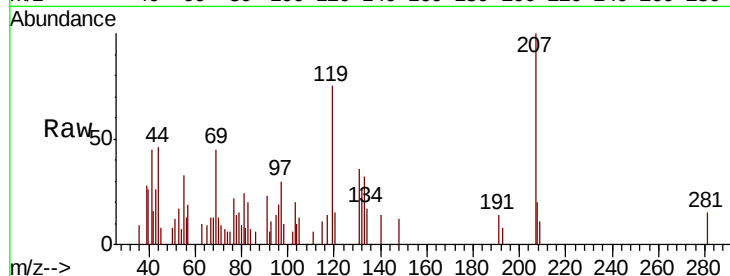
Tot Ion: 75 Resp: 61

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): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)

14.28

150

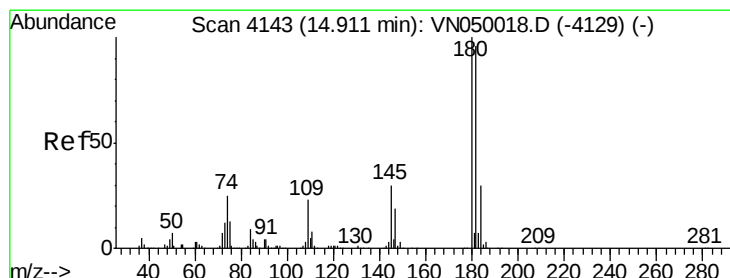
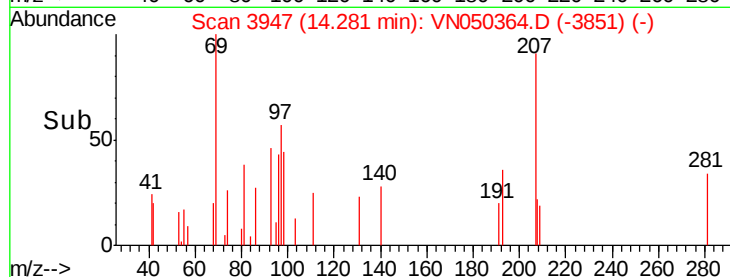
100

50

0

14.27 14.28 14.29

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.15 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

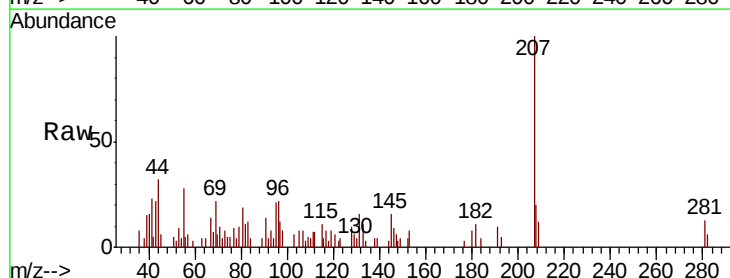
Tgt Ion: 180 Resp: 673

Ion Ratio Lower Upper

180 100

182 131.4 46.7 140.1

145 359.7 13.8 41.4#



Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

14.91

1200

1000

800

600

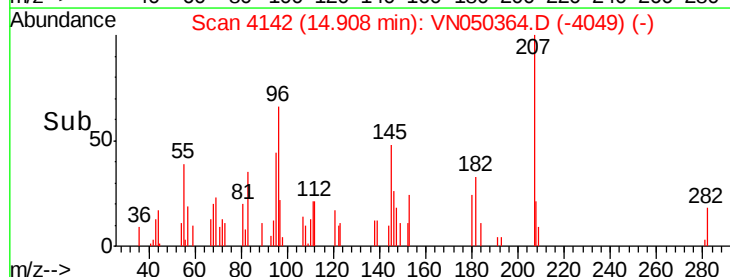
400

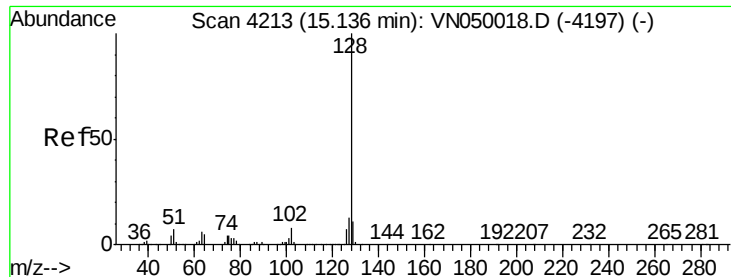
200

0

14.90 14.91 14.95

Time-->





#95

Naphthalene

Concen: 10.44 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

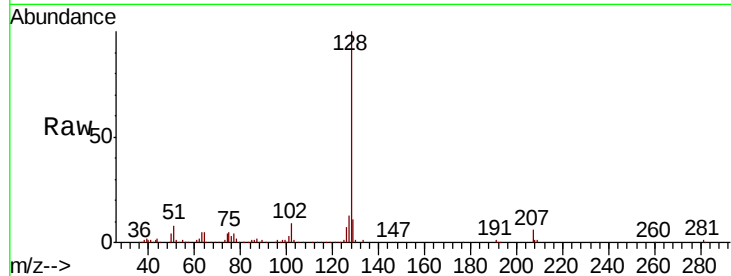
Tot Ion:128 Resp: 146254

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

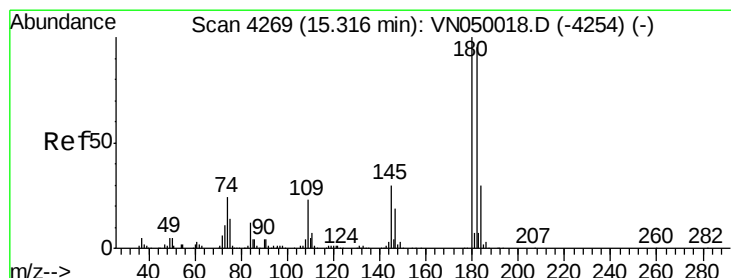
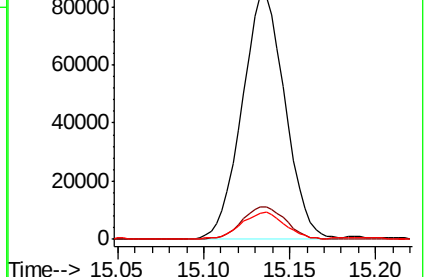
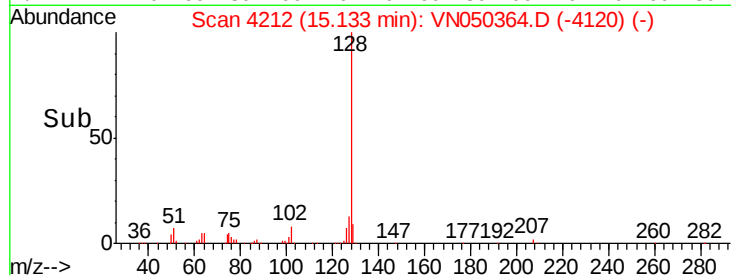
129 11.4 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 2.24 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

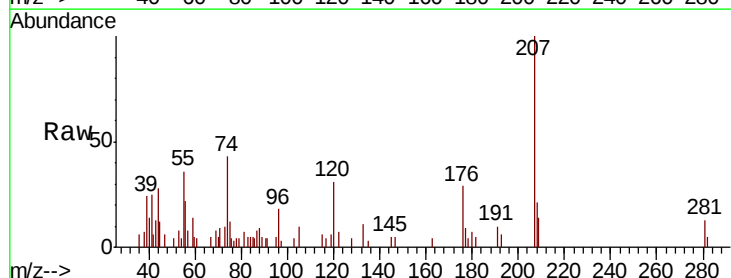
Tgt Ion:180 Resp: 343

Ion Ratio Lower Upper

180 100

182 96.2 48.1 144.4

145 76.4 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

