

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050167.D
 Acq On : 28 Jul 2018 7:32
 Operator : MD\SY
 Sample : J4199-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A12

Quant Time: Jul 30 01:55:22 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	628585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1040361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	881982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	367601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	443481	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.59	113	397264	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.09	98	1424656	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
62) 4-Bromofluorobenzene	12.40	95	419996	40.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.68%	

Target Compounds

						Qvalue
5) Bromomethane	2.53	94	106	Below Cal	#	3
6) Chloroethane	2.83	64	1790	0.29	ug/l #	53
11) Tert butyl alcohol	4.80	59	559	0.87	ug/l #	72
15) Acrylonitrile	5.03	53	635	0.23	ug/l #	17
16) Acetone	3.83	43	9551	0.29	ug/l	94
18) Methyl Acetate	4.34	43	12118	Below Cal	#	69
19) Methyl tert-butyl Ether	5.05	73	173472	8.99	ug/l	96
20) Methylene Chloride	4.55	84	409	Below Cal	#	43
31) Cyclohexane	7.67	56	12255	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45236	3.86	ug/l #	49
38) Carbon Tetrachloride	7.67	117	56269	4.52	ug/l #	17
41) Methacrylonitrile	7.22	41	207	2.79	ug/l #	10
43) Isopropyl Acetate	8.26	43	180281	10.81	ug/l #	67
56) Ethyl methacrylate	10.43	69	153	2.04	ug/l #	1
59) 2-Hexanone	10.60	43	556	5.27	ug/l	66
67) Ethyl Benzene	11.51	91	8159	0.23	ug/l	96
68) m/p-Xylenes	11.63	106	4362	0.32	ug/l	99
69) o-Xylene	11.95	106	7357	0.57	ug/l	97
70) Styrene	11.96	104	932	0.96	ug/l #	1
71) Bromoform	12.40	173	2908	0.47	ug/l #	1
73) Isopropylbenzene	12.25	105	80926	2.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	352	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	203216	29.75	ug/l #	100
78) n-propylbenzene	12.59	91	25638	0.80	ug/l	98
79) 2-Chlorotoluene	12.59	91	25638	1.30	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.40	75	203216	94.35	ug/l #	13
82) 4-Chlorotoluene	12.89	91	5120	0.26	ug/l #	41
83) tert-Butylbenzene	12.99	119	4635	0.24	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	13826	0.61	ug/l	100
85) sec-Butylbenzene	13.17	105	13140	0.50	ug/l	86
86) p-Isopropyltoluene	13.38	119	7253	0.33	ug/l #	50
89) n-Butylbenzene	13.54	91	363008	20.04	ug/l #	43
90) Hexachloroethane	13.89	117	11823	2.42	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.29	75	510	Below Cal	#	1

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

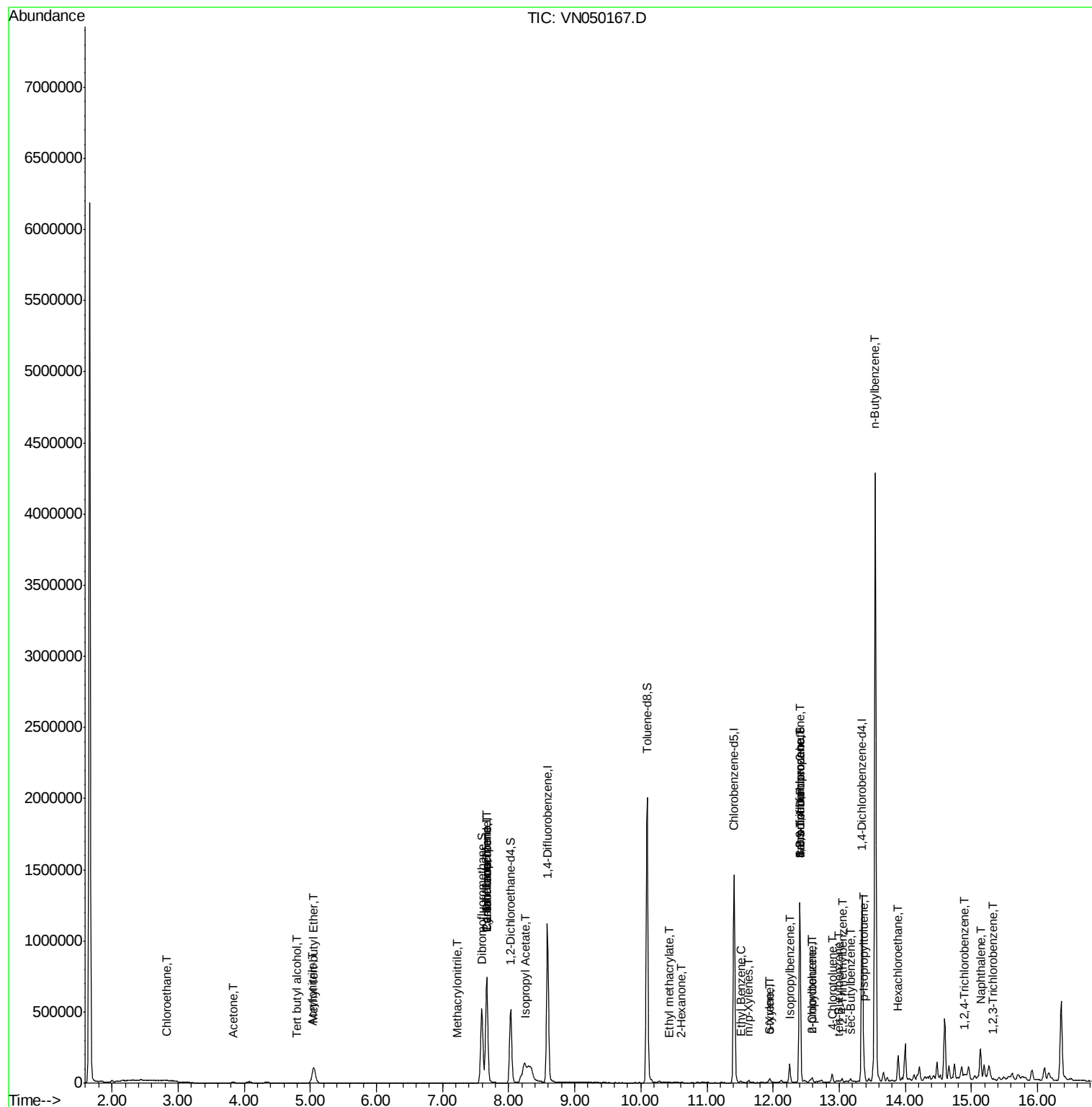
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	275	3.12	ug/l #	1
95) Naphthalene	15.14	128	187017	14.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	128	2.22	ug/l #	61

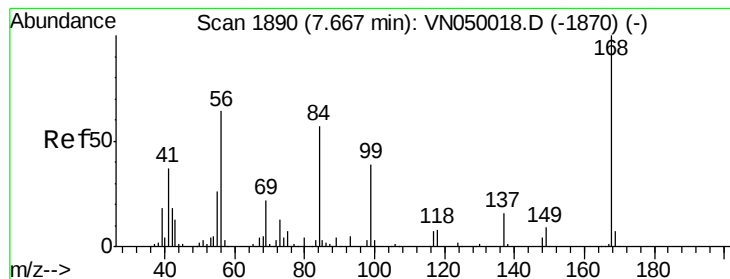
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampled :

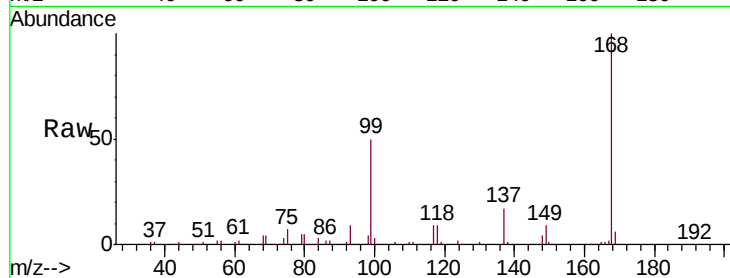
MW-A12

Tot Ion:168 Resp: 628585

Ion Ratio Lower Upper

168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

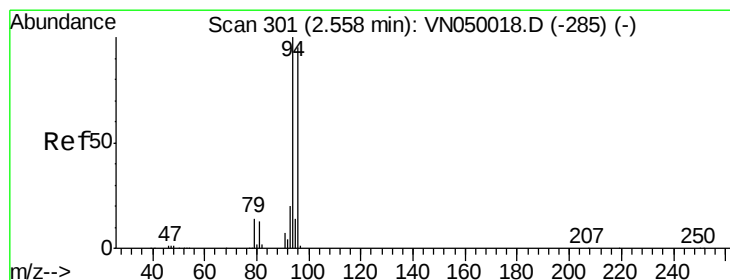
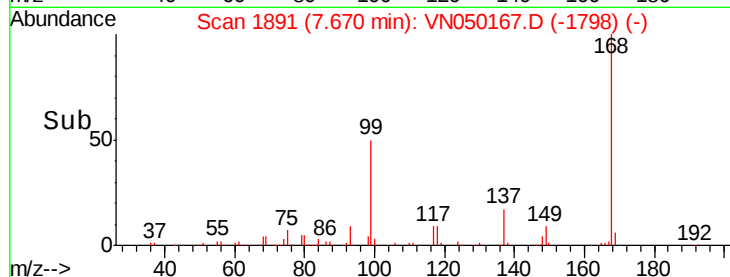
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 293

Delta R.T. -0.02 min

Lab File: VN050167.D

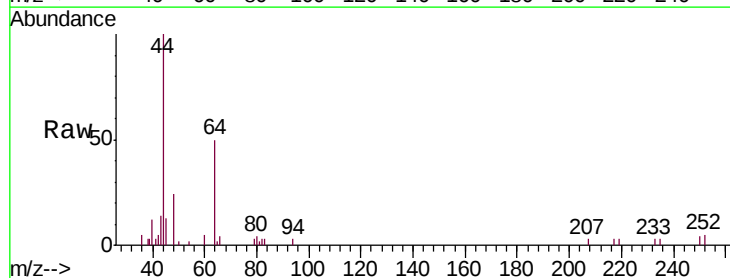
Acq: 28 Jul 2018 7:32

Tgt Ion: 94 Resp: 106

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.53

250

200

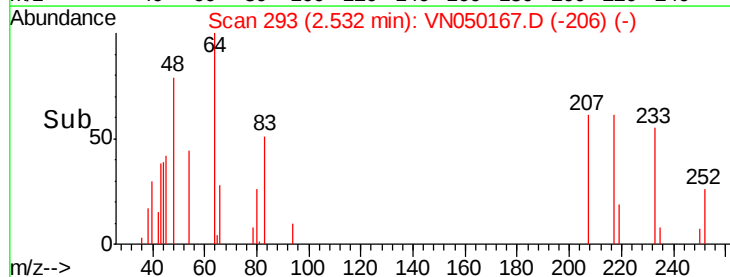
150

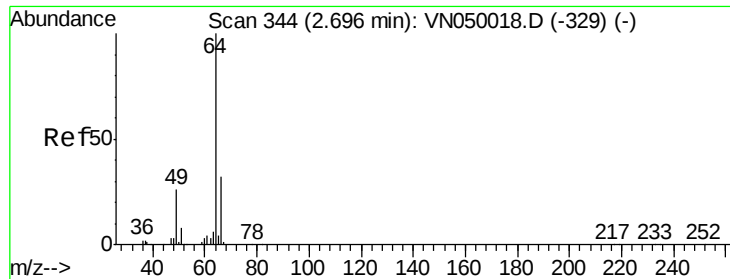
100

50

0

Time-->





#6

Chloroethane

Concen: 0.29 ug/l

RT: 2.83 min Scan# 385

Delta R.T. 0.14 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

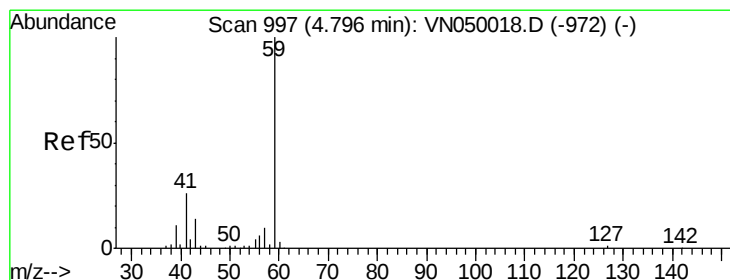
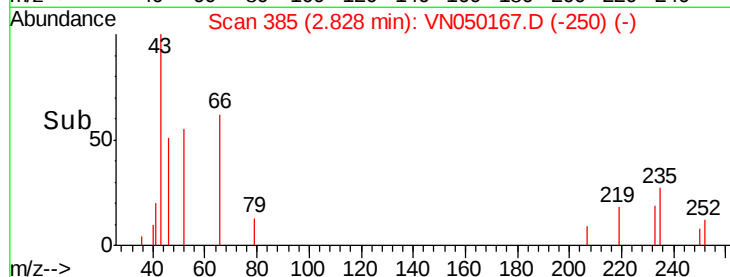
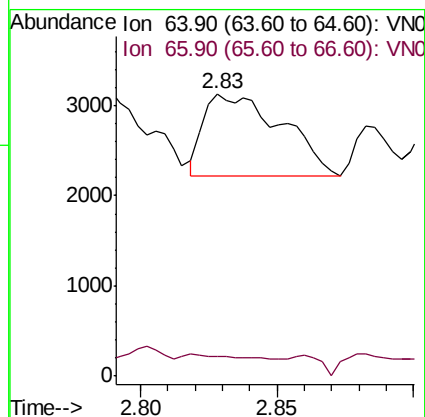
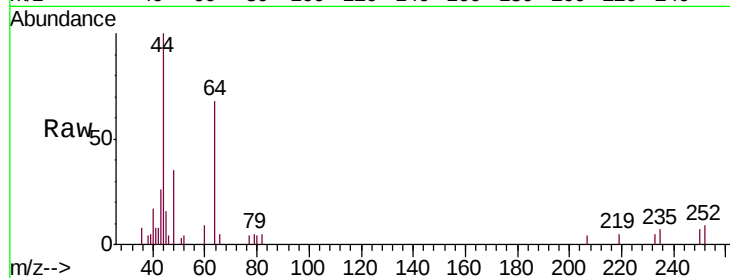
MW-A12

Tot Ion: 64 Resp: 1790

Ion Ratio Lower Upper

64 100

66 5.7 25.3 37.9#



#11

Tert butyl alcohol

Concen: 0.87 ug/l

RT: 4.80 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN050167.D

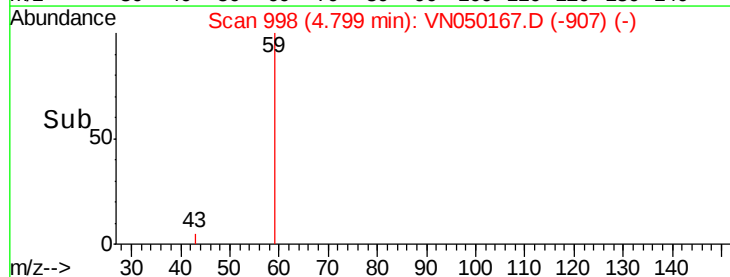
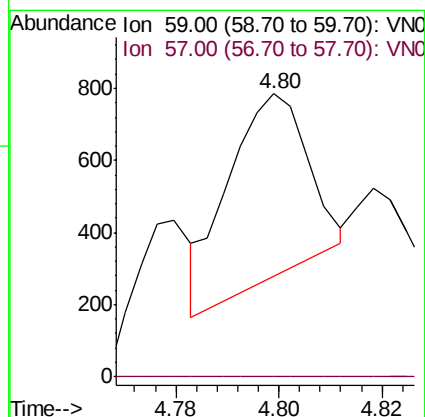
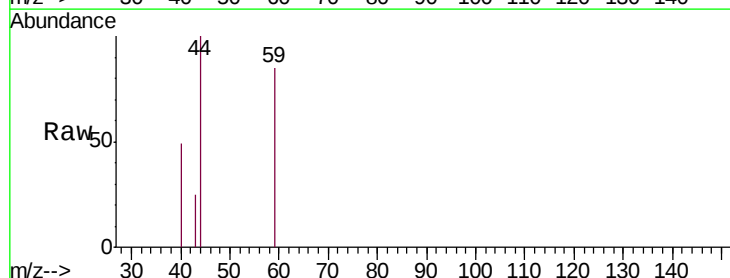
Acq: 28 Jul 2018 7:32

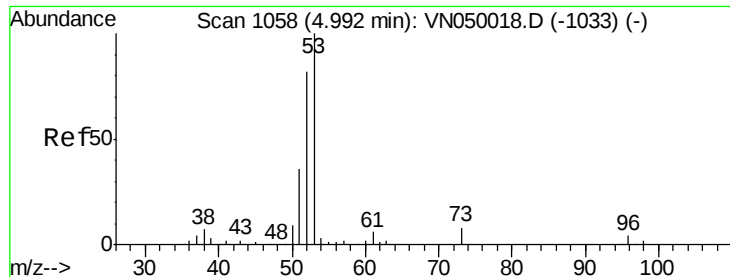
Tgt Ion: 59 Resp: 559

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 5.03 min Scan# 1069

Delta R.T. 0.03 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampled :

MW-A12

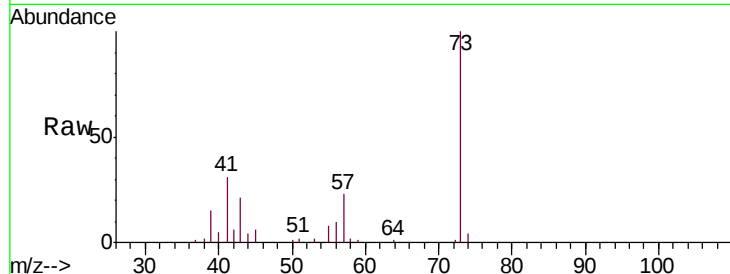
Tot Ion: 53 Resp: 635

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

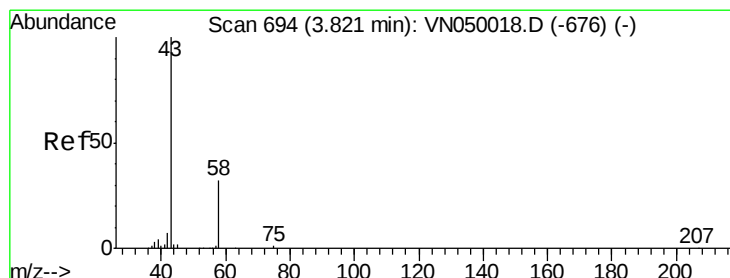
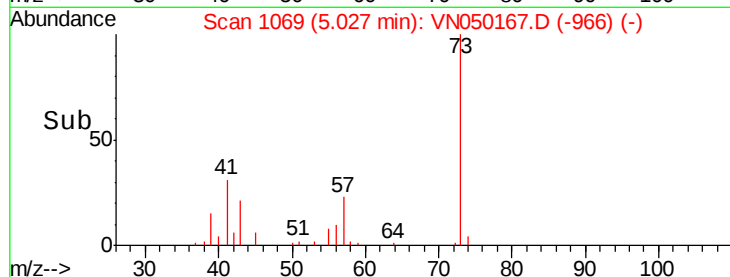
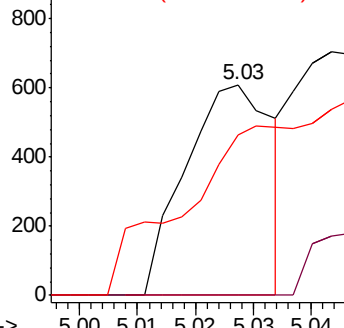
51 0.0 29.3 43.9#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 0.29 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050167.D

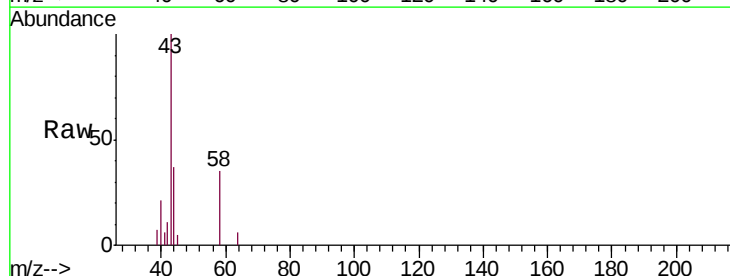
Acq: 28 Jul 2018 7:32

Tgt Ion: 43 Resp: 9551

Ion Ratio Lower Upper

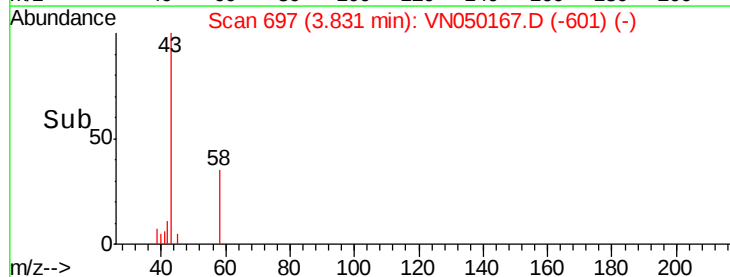
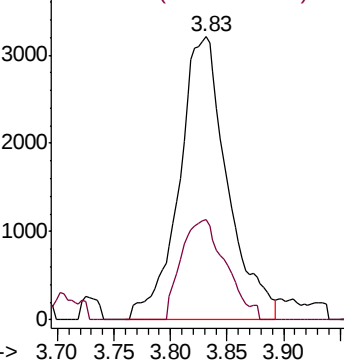
43 100

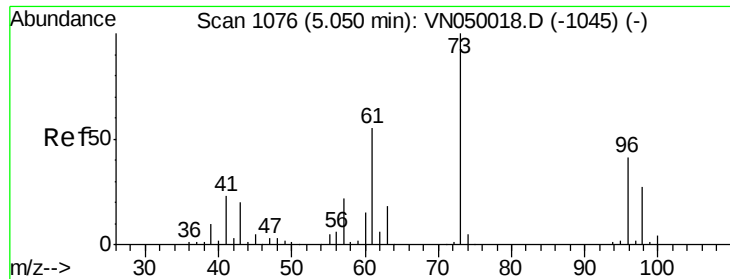
58 35.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

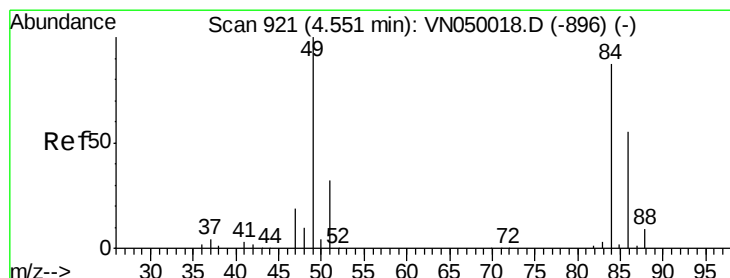
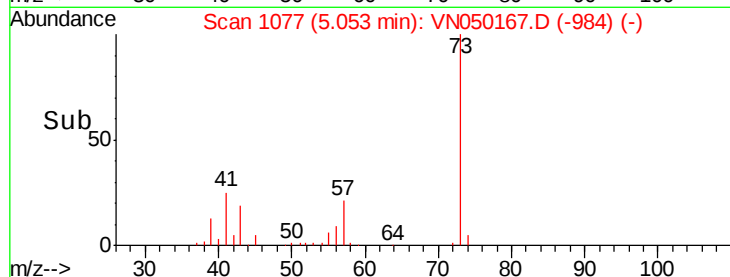
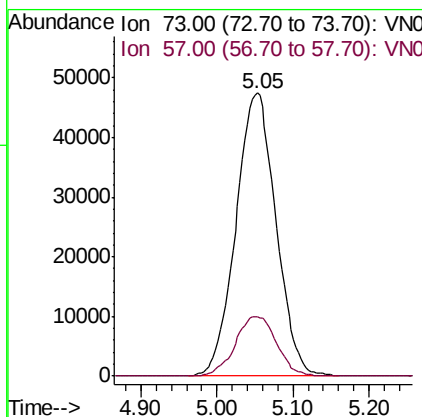
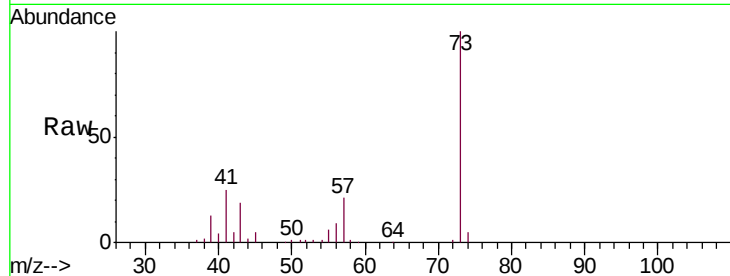




#19
Methvl tert-butvl Ether
Concen: 8.99 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

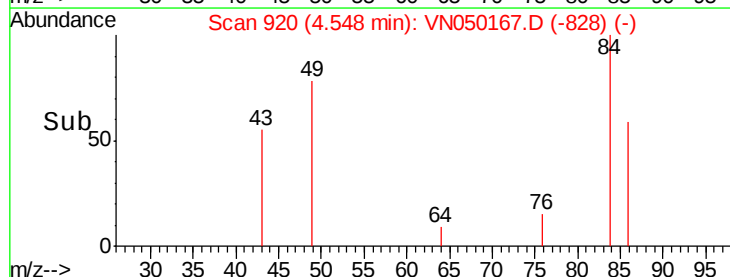
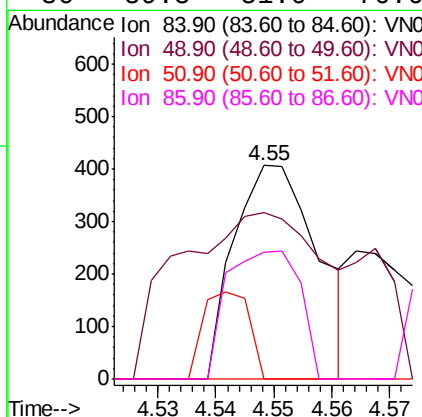
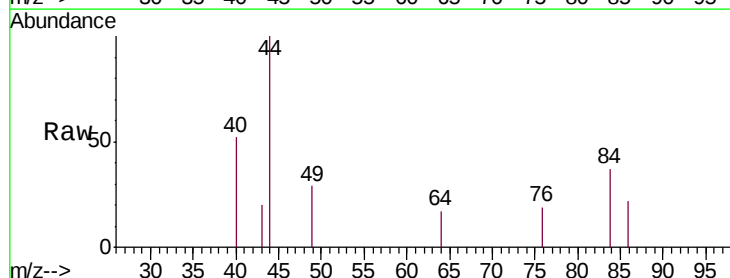
Instrument :
MSVOA_N
ClientSampled :
MW-A12

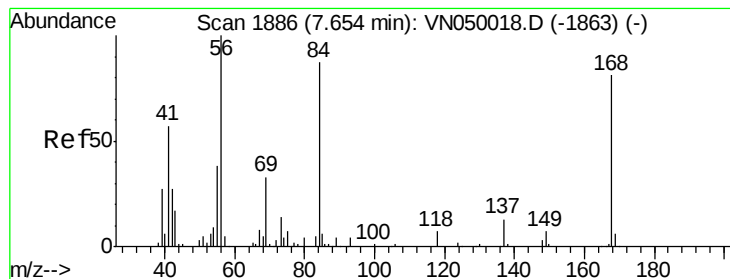
Tot Ion: 73 Resp: 173472
Ion Ratio Lower Upper
73 100
57 20.8 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion: 84 Resp: 409
Ion Ratio Lower Upper
84 100
49 27.0 94.8 142.2#
51 0.0 28.3 42.5#
86 59.5 51.0 76.6





#31

Cyclohexane

Concen: 0.95 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

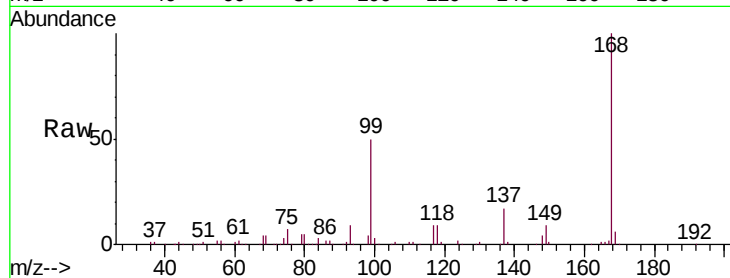
Tot Ion: 56 Resp: 12255

Ion Ratio Lower Upper

56 100

69 174.4 26.2 39.4#

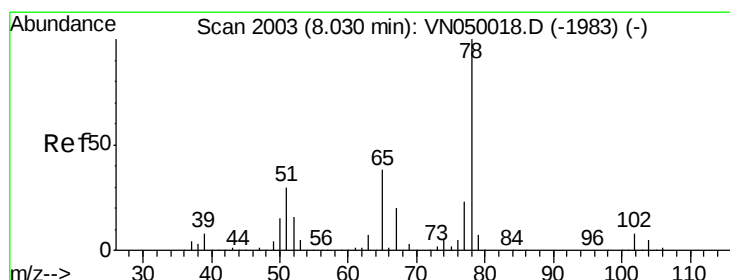
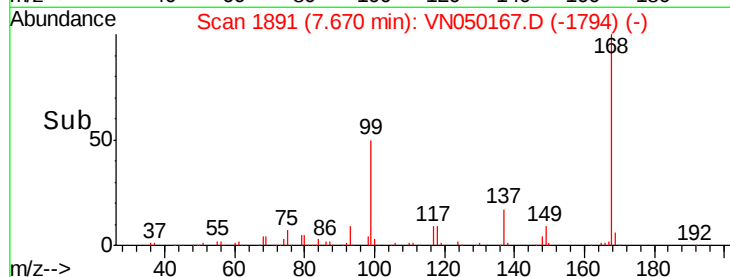
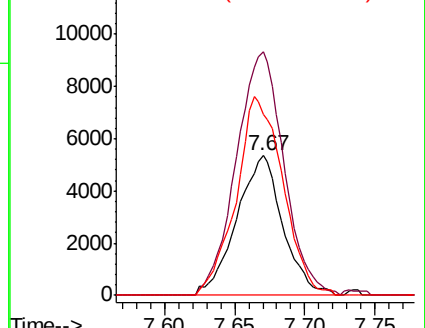
84 129.9 67.4 101.0#



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: 50.57 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050167.D

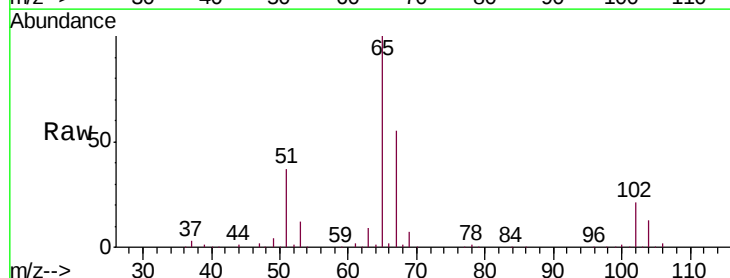
Acq: 28 Jul 2018 7:32

Tgt Ion: 65 Resp: 443481

Ion Ratio Lower Upper

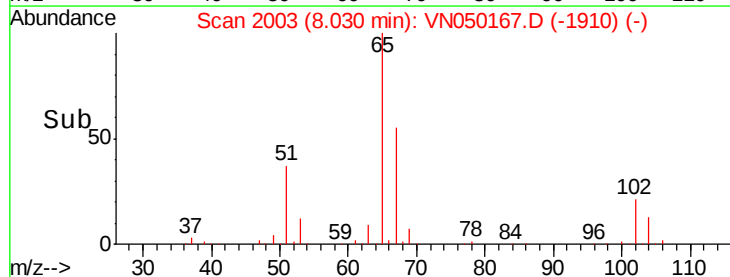
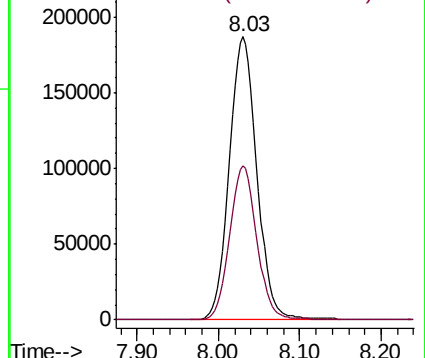
65 100

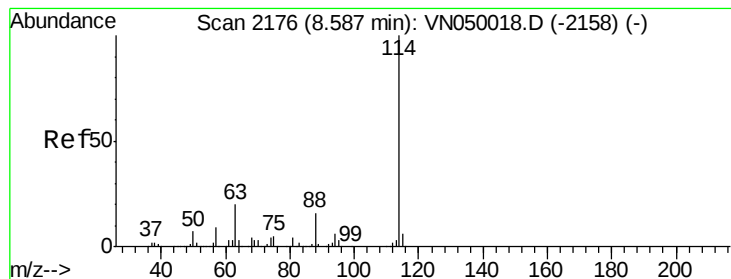
67 53.3 0.0 108.4



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: VN050167.D

Acq: 28 Jul 2018 7:32

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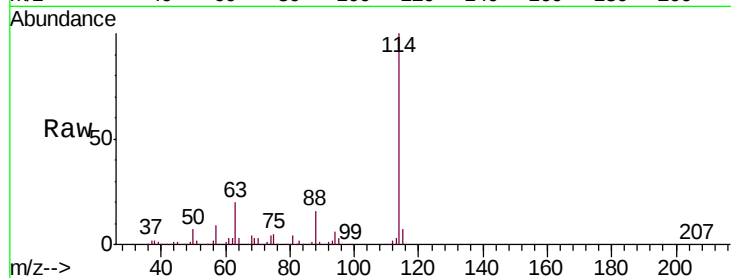
Tot Ion:114 Resp: 1040361

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.9 0.0 31.2



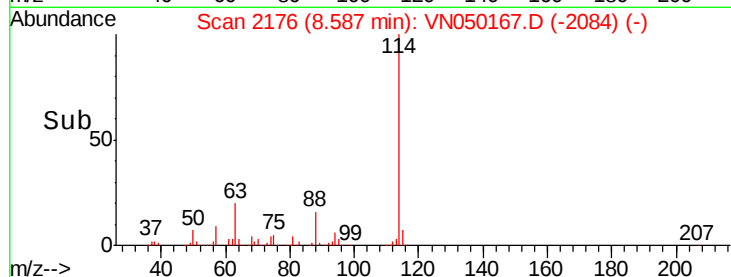
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

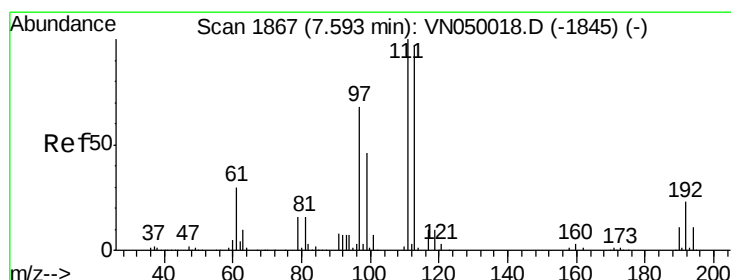
Ion 87.90 (87.60 to 88.60): VN

8.59

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 46.77 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

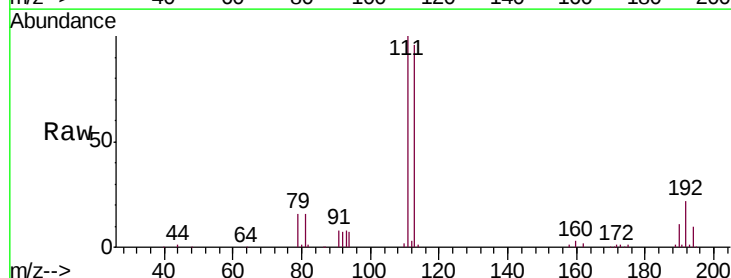
Tgt Ion:113 Resp: 397264

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

192 21.8 17.8 26.6



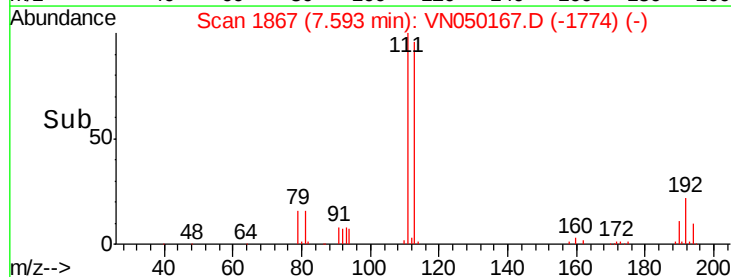
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

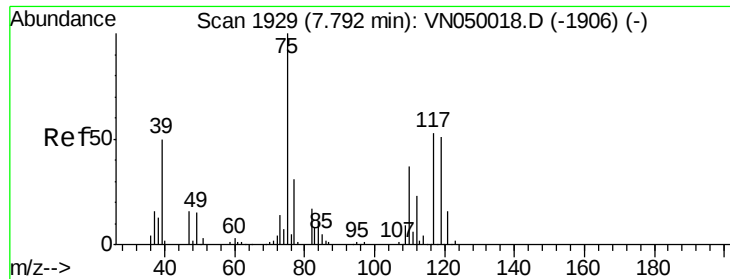
Ion 191.70 (191.40 to 192.40): V

7.59

Time-->



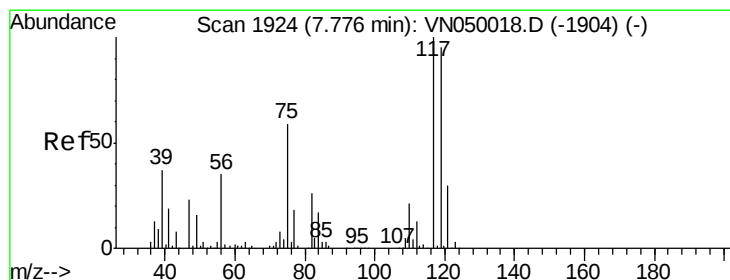
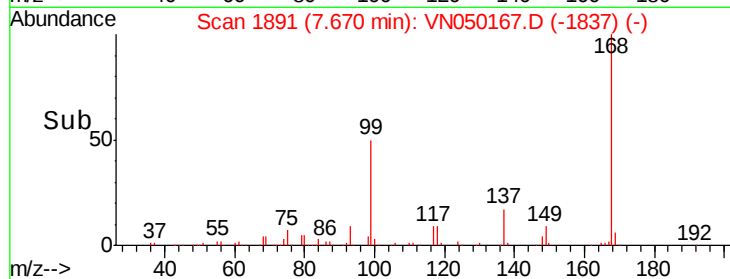
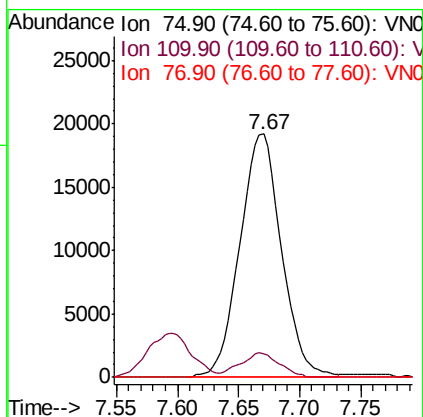
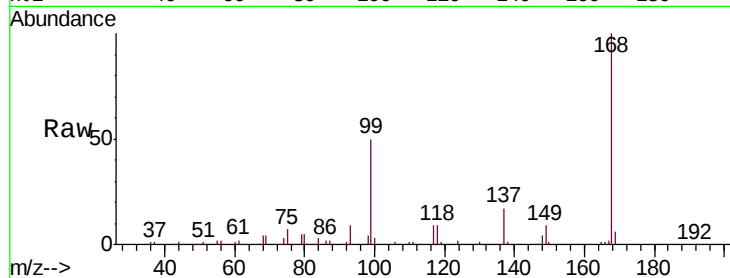
Time-->



#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050167.D
 Acq: 28 Jul 2018 7:32

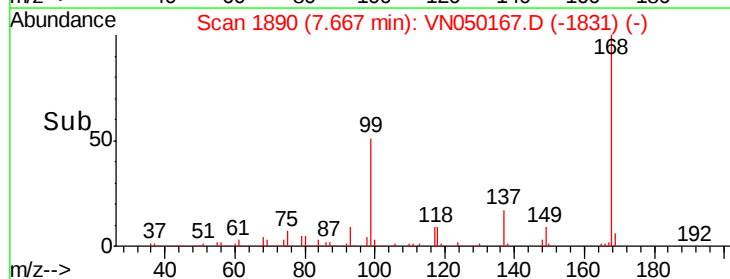
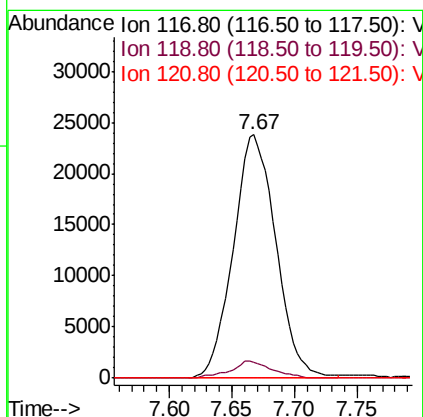
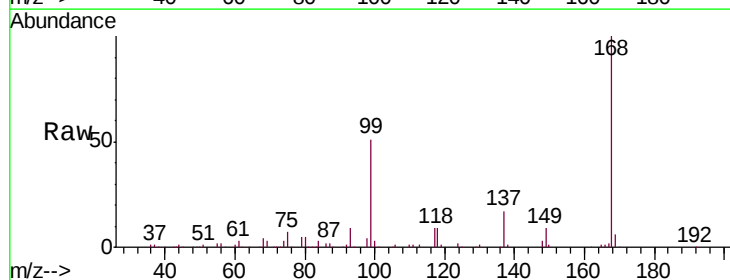
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A12

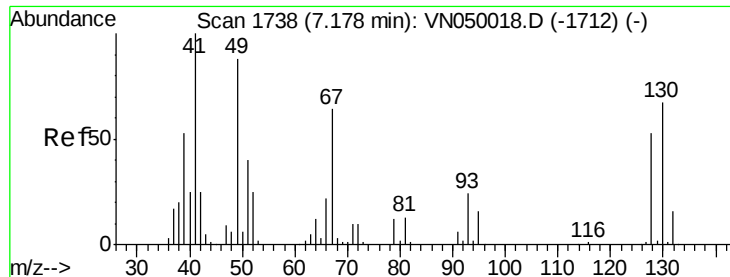
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.52 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050167.D
 Acq: 28 Jul 2018 7:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.4	116.0#
121	0.0	23.9	35.9#

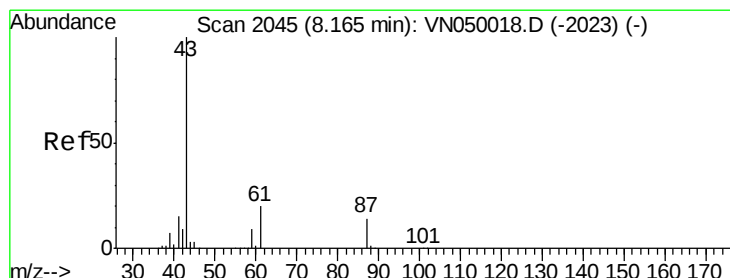
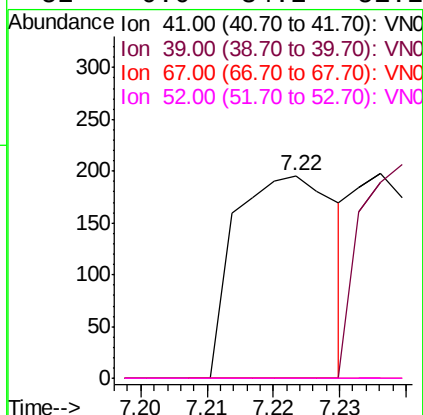
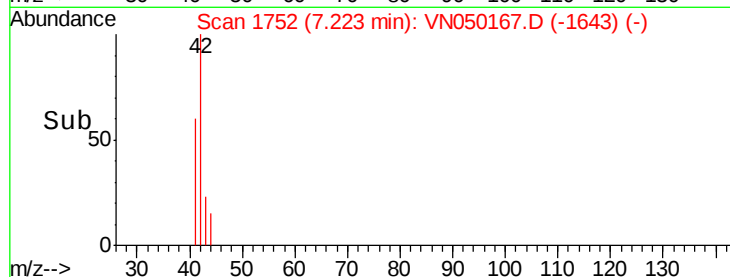
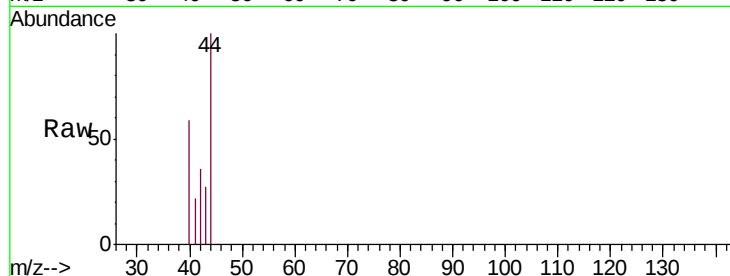




#41
Methacrylonitrile
Concen: 2.79 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

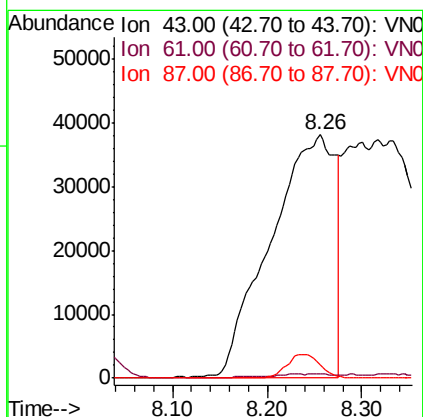
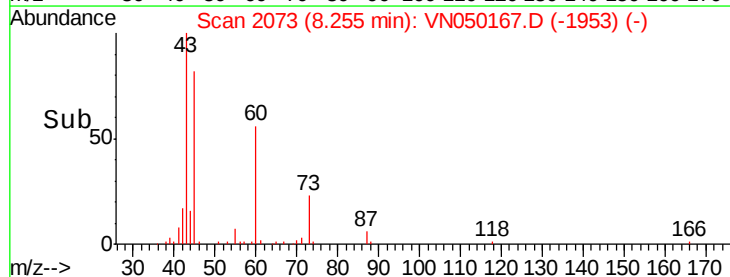
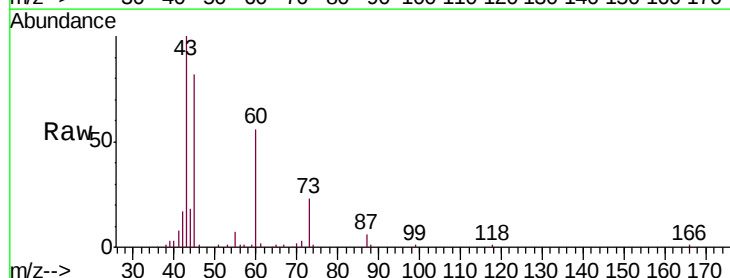
Instrument :
MSVOA_N
ClientSampled :
MW-A12

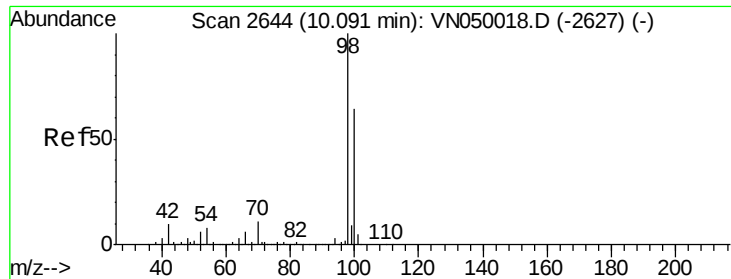
Tot Ion: 41 Resp: 207
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 10.81 ug/l
RT: 8.26 min Scan# 2073
Delta R.T. 0.09 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion: 43 Resp: 180281
Ion Ratio Lower Upper
43 100
61 0.6 15.8 23.6#
87 5.0 10.3 15.5#

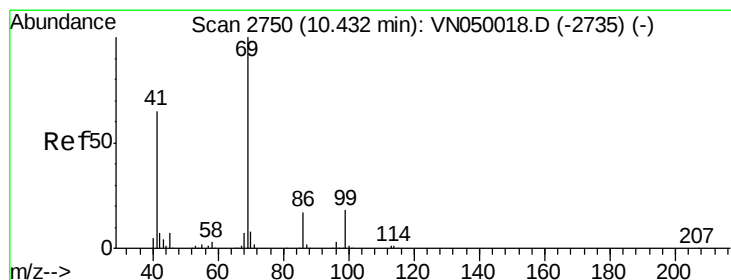
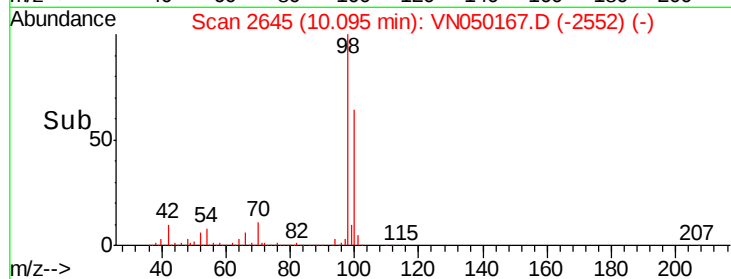
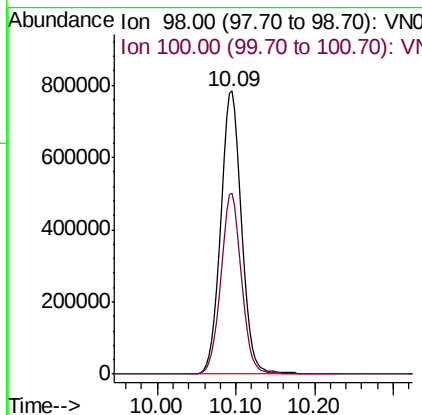
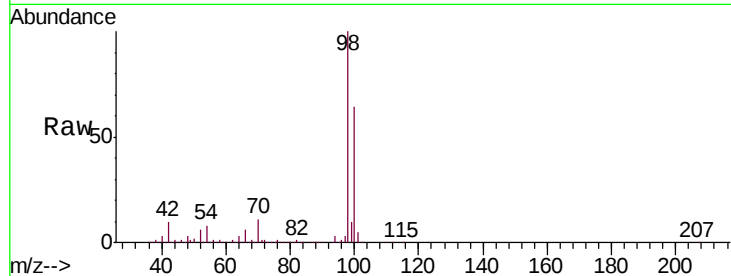




#50
Toluene-d8
Concen: 45.62 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

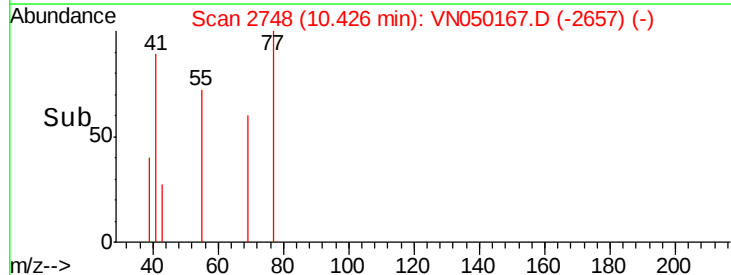
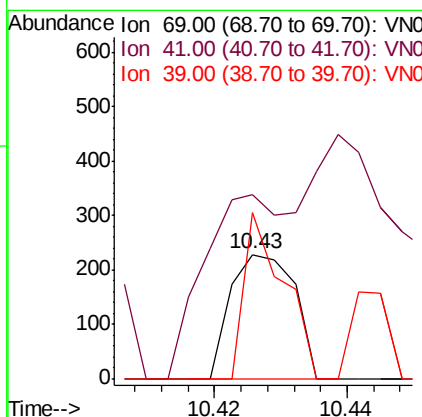
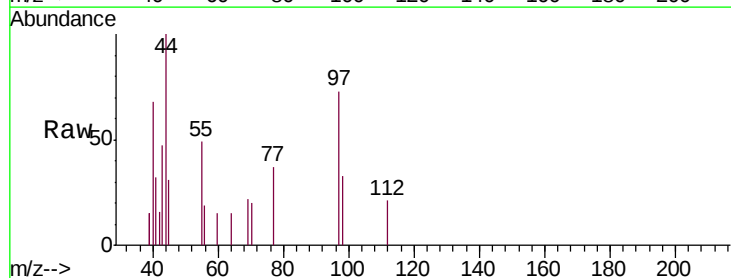
Instrument :
MSVOA_N
ClientSampled :
MW-A12

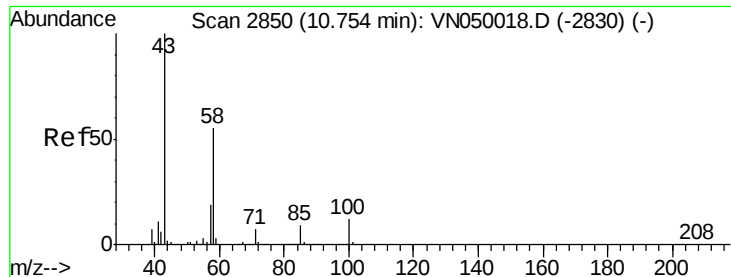
Tot Ion: 98 Resp: 1424656
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1



#56
Ethyl methacrylate
Concen: 2.04 ug/l
RT: 10.43 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion: 69 Resp: 153
Ion Ratio Lower Upper
69 100
41 171.2 51.0 76.4#
39 83.0 26.6 40.0#

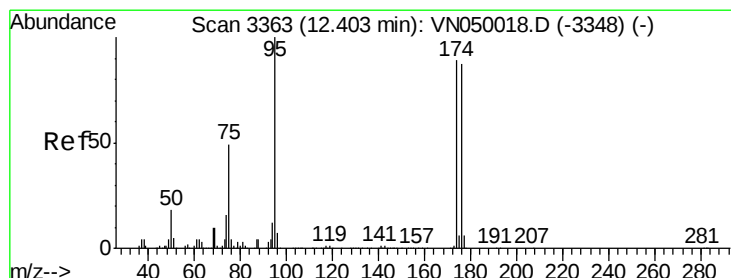
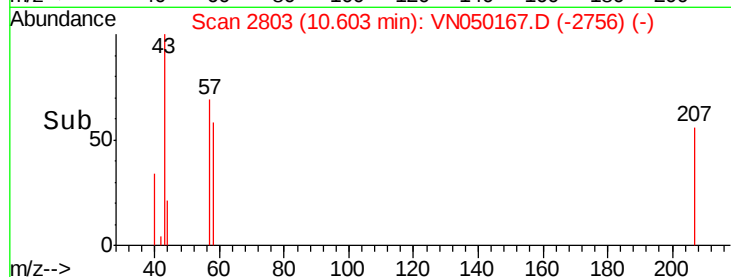
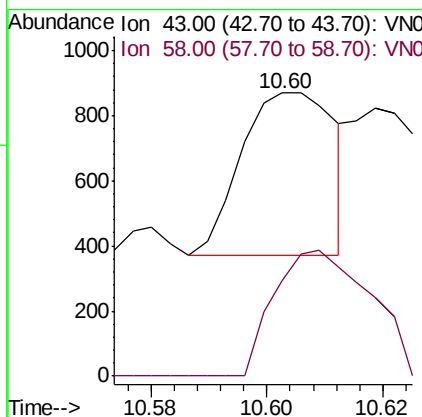
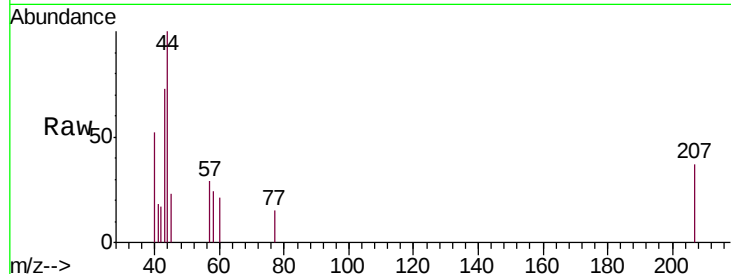




#59
2-Hexanone
Concen: 5.27 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. -0.15 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

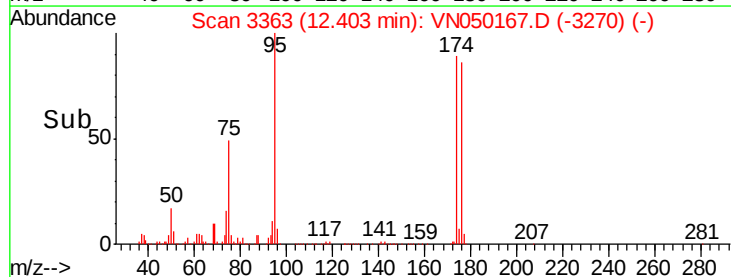
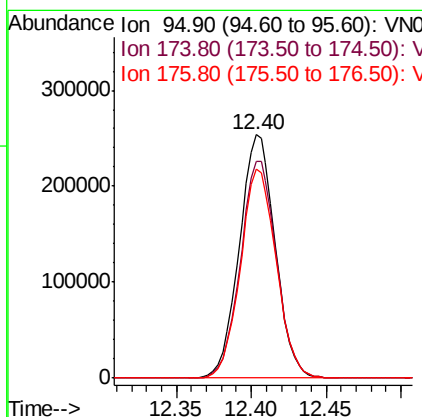
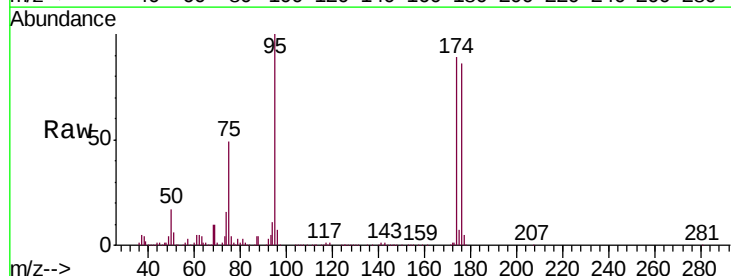
Instrument :
MSVOA_N
ClientSampled :
MW-A12

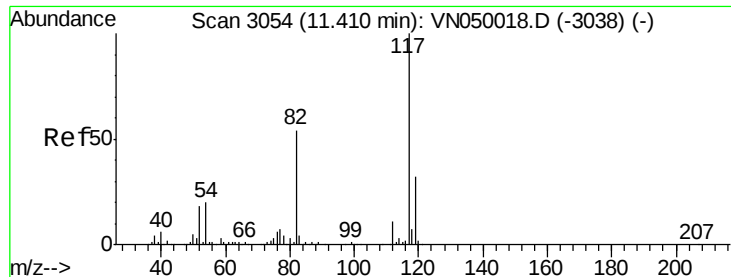
Tot Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
58 79.7 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 40.84 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion: 95 Resp: 419996
Ion Ratio Lower Upper
95 100
174 90.2 0.0 178.2
176 86.6 0.0 173.4

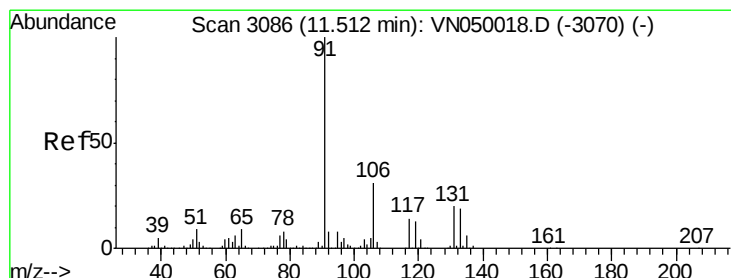
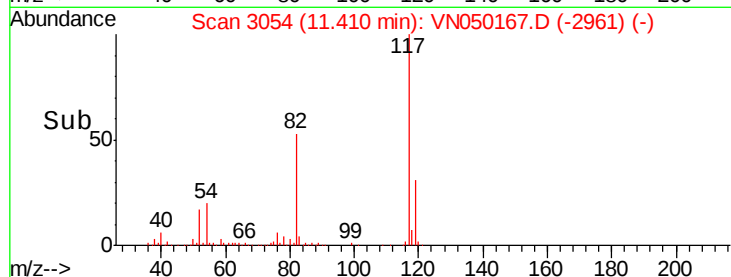
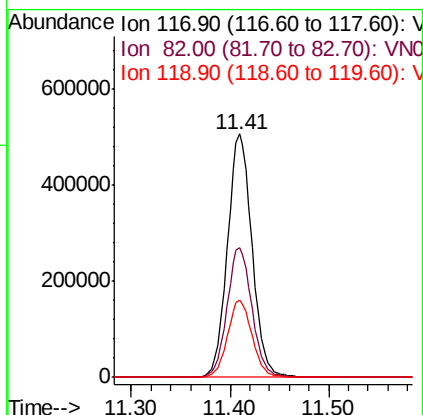
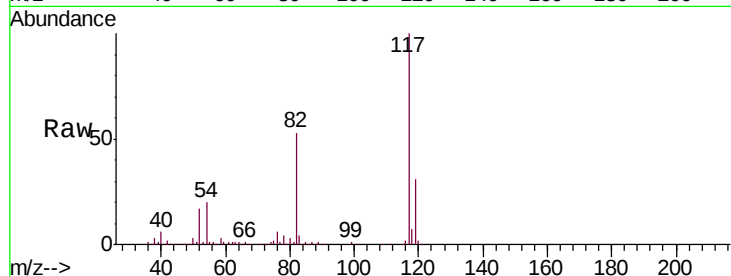




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

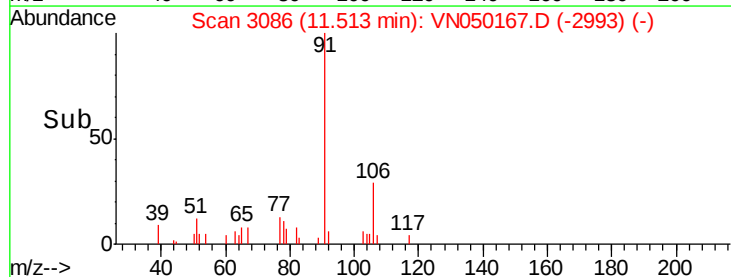
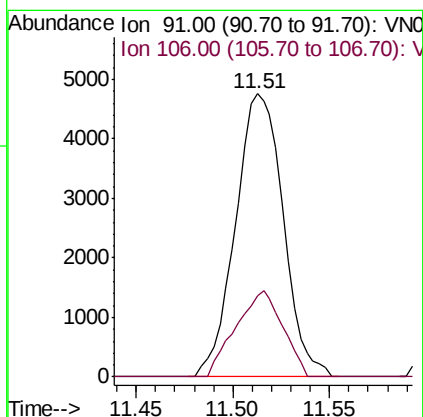
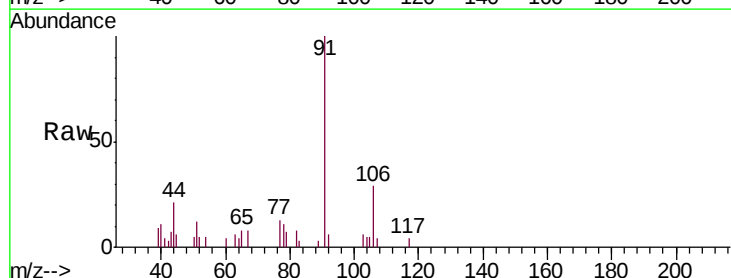
Instrument :
MSVOA_N
ClientSampleId :
MW-A12

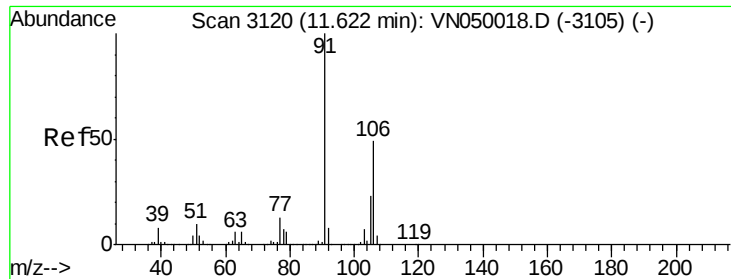
Tot Ion:117 Resp: 881982
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 31.5 26.1 39.1



#67
Ethyl Benzene
Concen: 0.23 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion: 91 Resp: 8159
Ion Ratio Lower Upper
91 100
106 28.8 25.0 37.4

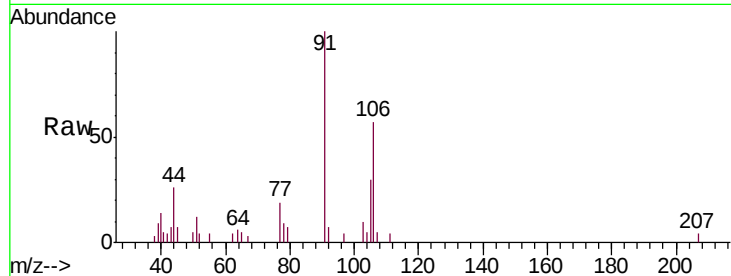




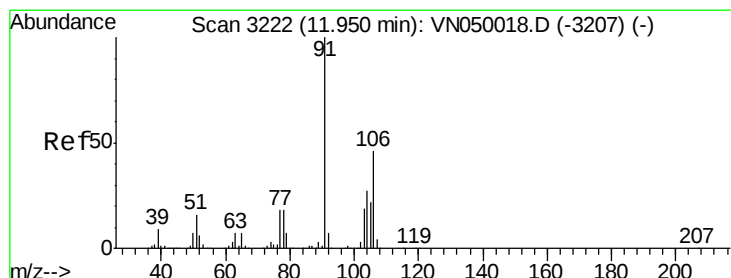
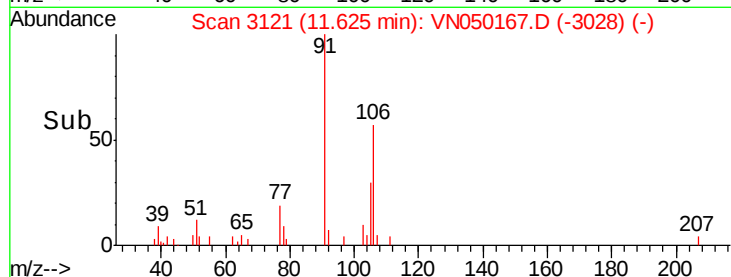
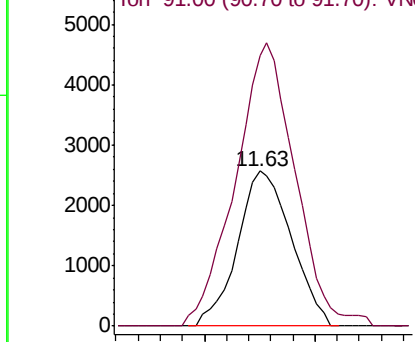
#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Instrument :
MSVOA_N
ClientSampled :
MW-A12

Tot Ion:106 Resp: 4362
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.2

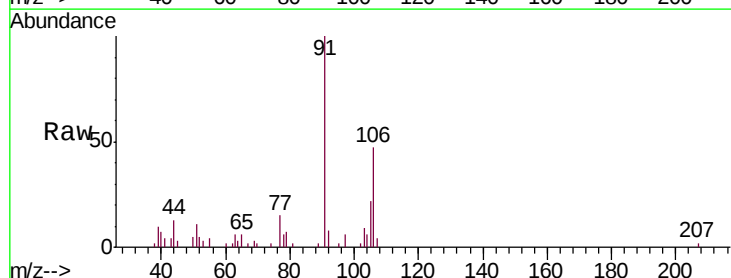


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

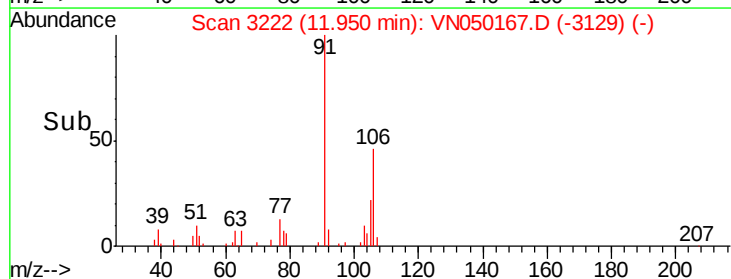
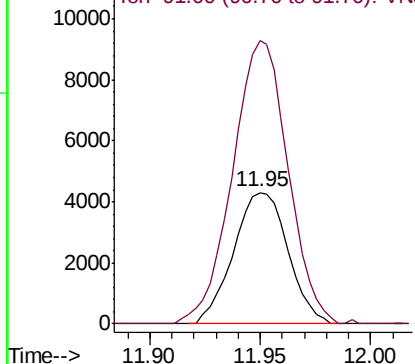


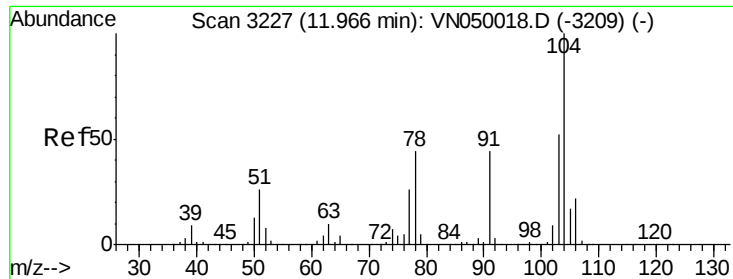
#69
o-Xylene
Concen: 0.57 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion:106 Resp: 7357
Ion Ratio Lower Upper
106 100
91 219.9 107.7 323.1



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

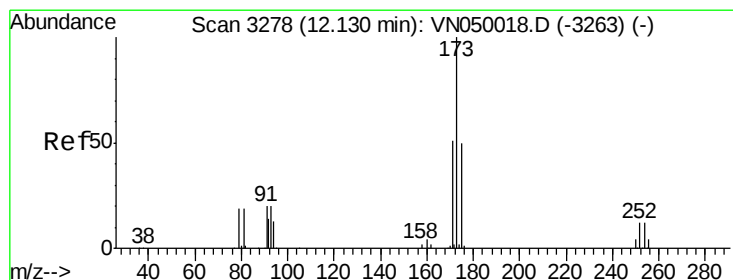
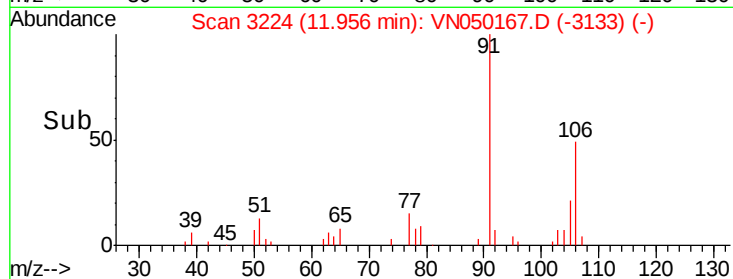
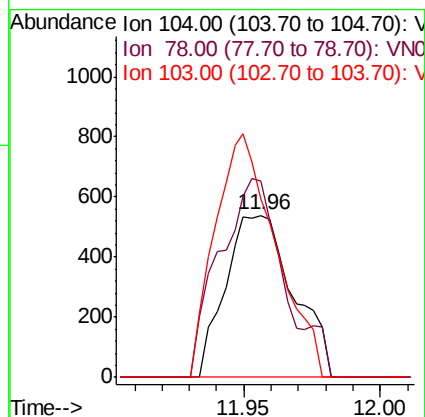
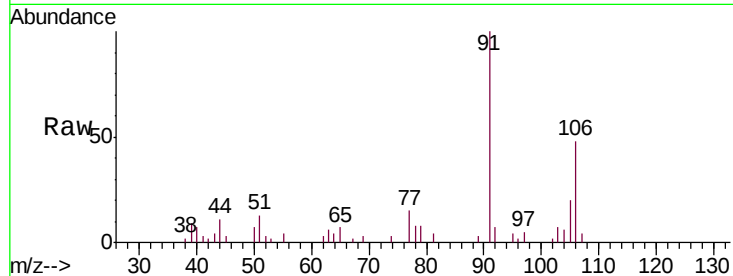




#70
Stvrene
Concen: 0.96 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

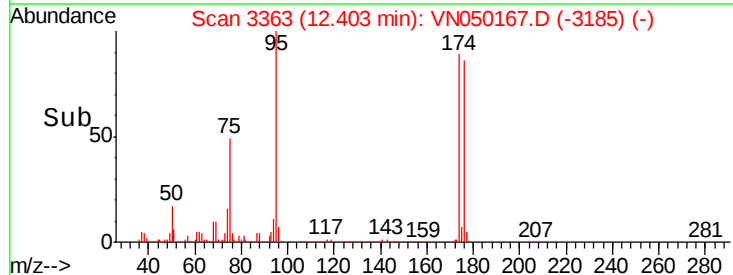
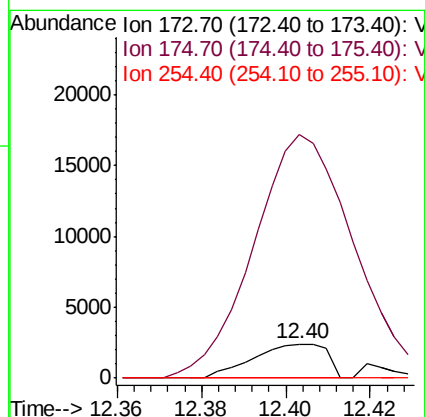
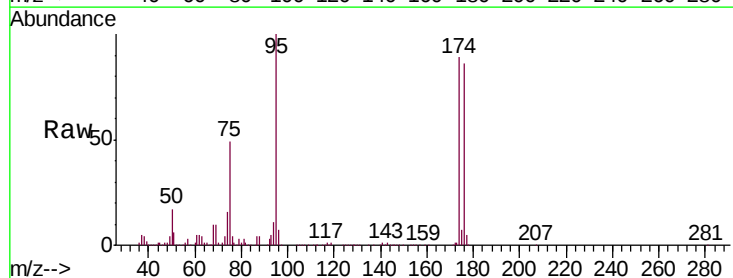
Instrument :
MSVOA_N
ClientSampled :
MW-A12

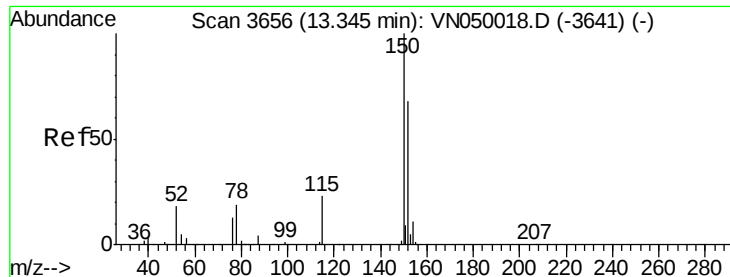
Tot Ion:104 Resp: 932
Ion Ratio Lower Upper
104 100
78 116.6 39.3 58.9#
103 134.1 45.0 67.6#



#71
Bromoform
Concen: 0.47 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050167.D
Acq: 28 Jul 2018 7:32

Tgt Ion:173 Resp: 2908
Ion Ratio Lower Upper
173 100
175 853.5 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: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

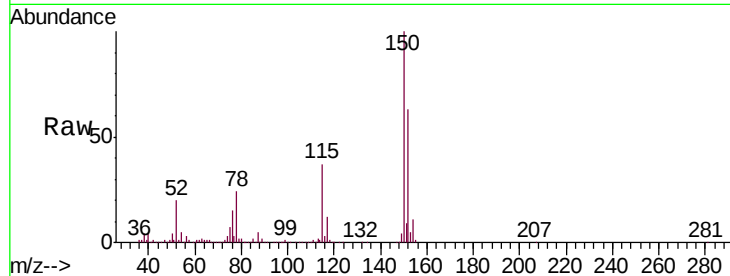
Tot Ion:152 Resp: 367601

Ion Ratio Lower Upper

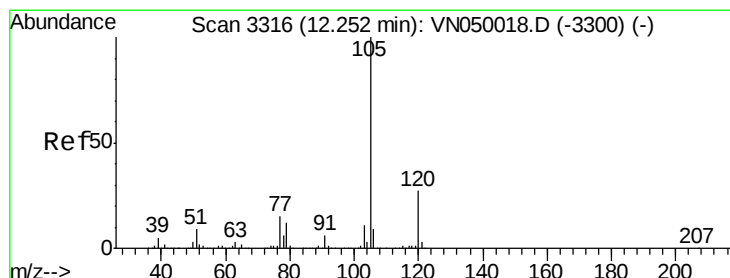
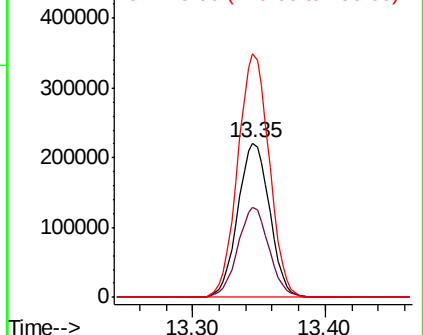
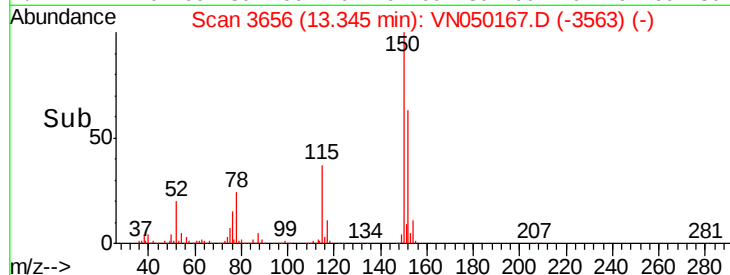
152 100

115 57.9 27.8 83.3

150 156.4 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: 2.84 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050167.D

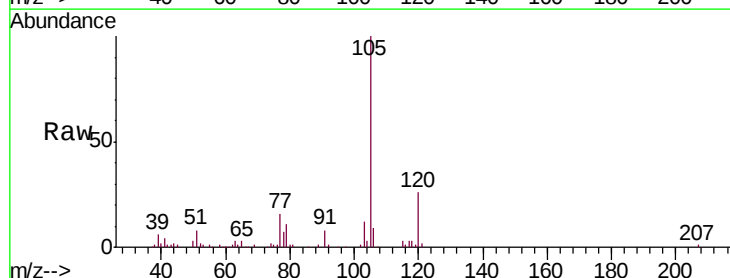
Acq: 28 Jul 2018 7:32

Tgt Ion:105 Resp: 80926

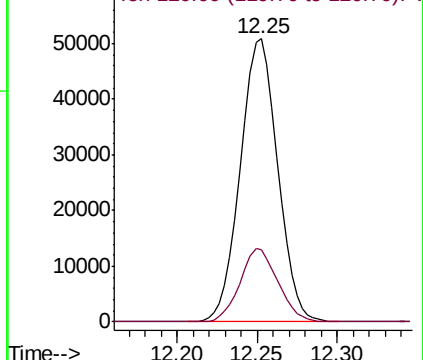
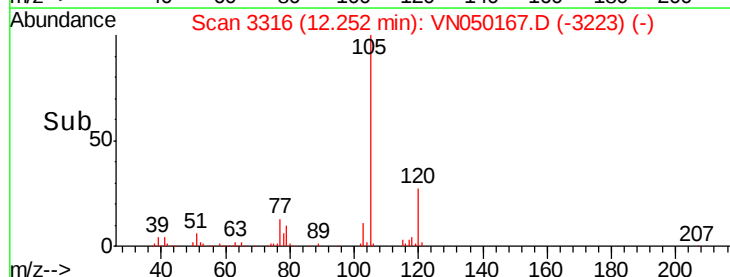
Ion Ratio Lower Upper

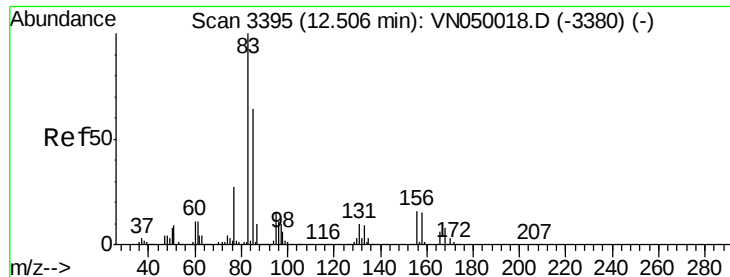
105 100

120 26.2 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: 12.48 min Scan# 3388

Delta R.T. -0.02 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

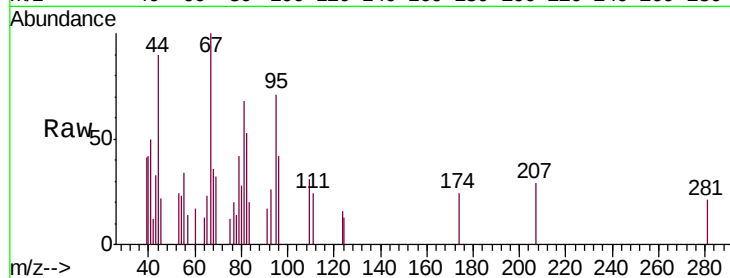
Tot Ion: 83 Resp: 352

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

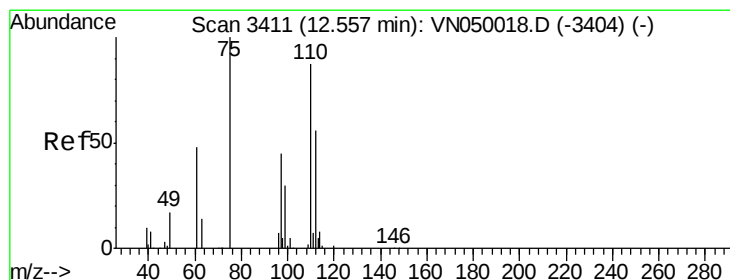
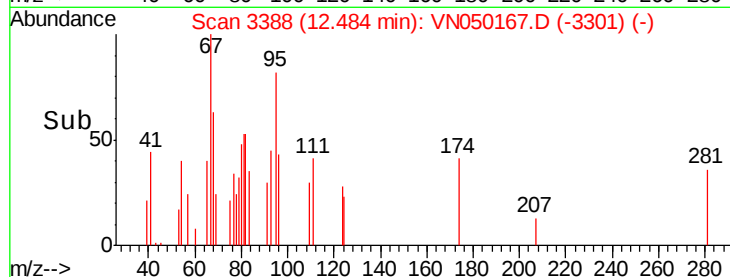
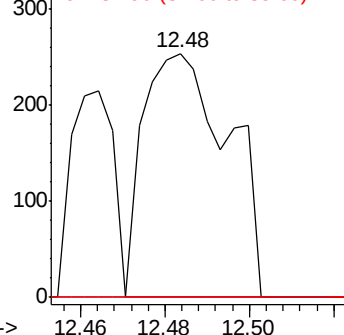
85 0.0 32.3 96.8#



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: 29.75 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050167.D

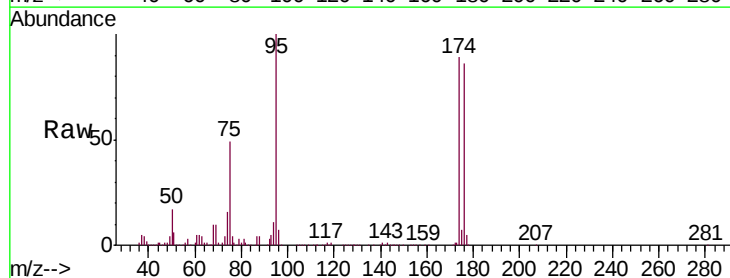
Acq: 28 Jul 2018 7:32

Tgt Ion: 75 Resp: 203216

Ion Ratio Lower Upper

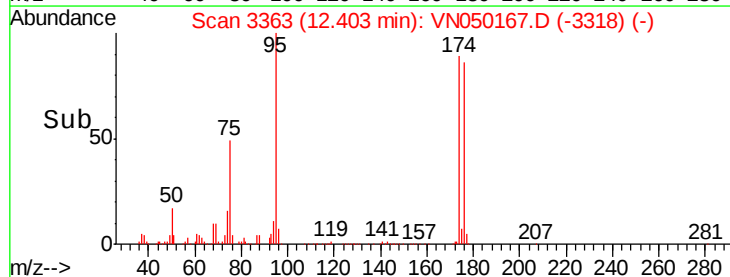
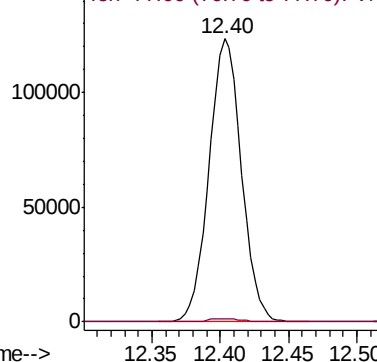
75 100

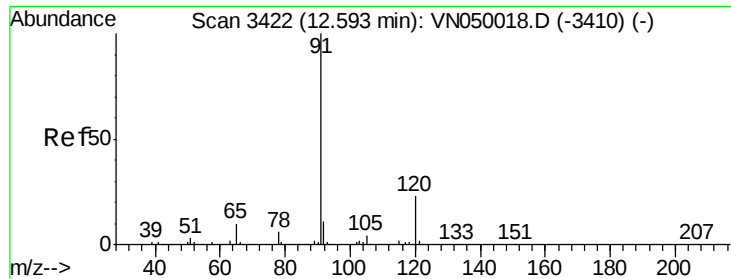
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.80 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampled :

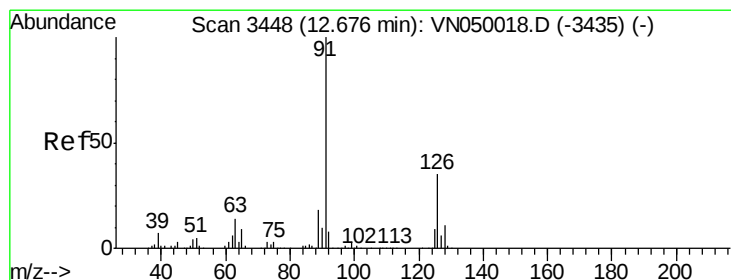
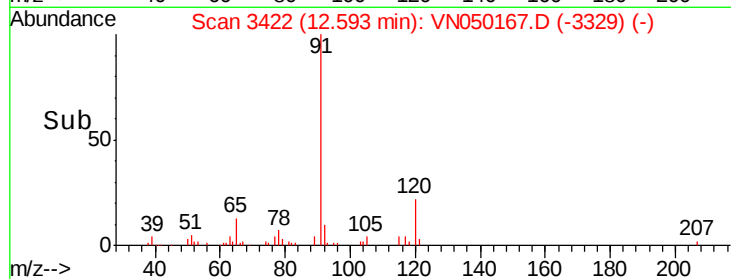
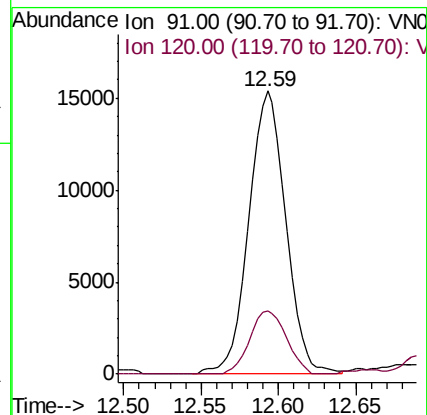
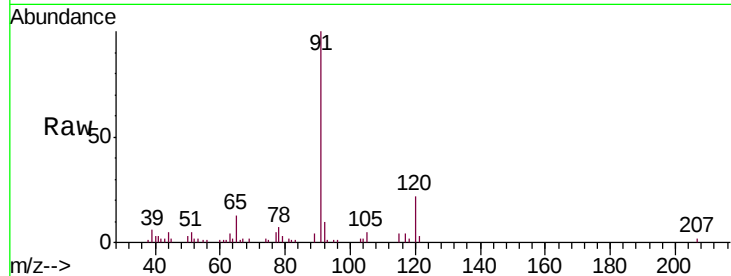
MW-A12

Tot Ion: 91 Resp: 25638

Ion Ratio Lower Upper

91 100

120 22.1 11.6 34.7



#79

2-Chlorotoluene

Concen: 1.30 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050167.D

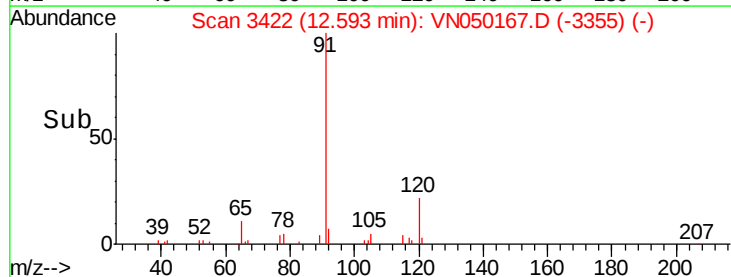
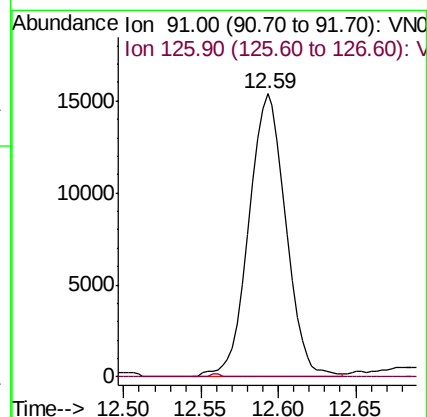
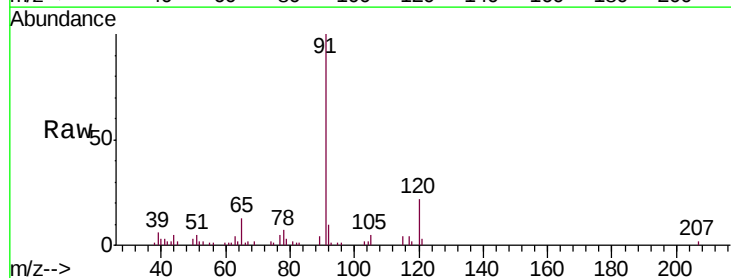
Acq: 28 Jul 2018 7:32

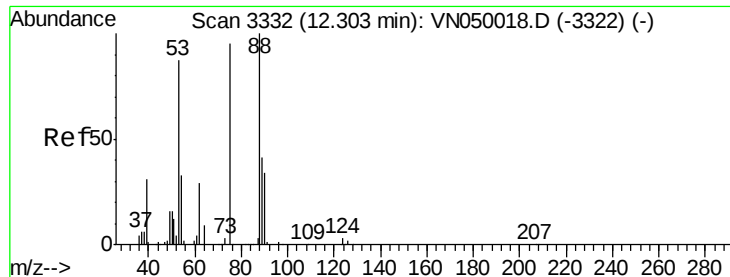
Tgt Ion: 91 Resp: 25638

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 94.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

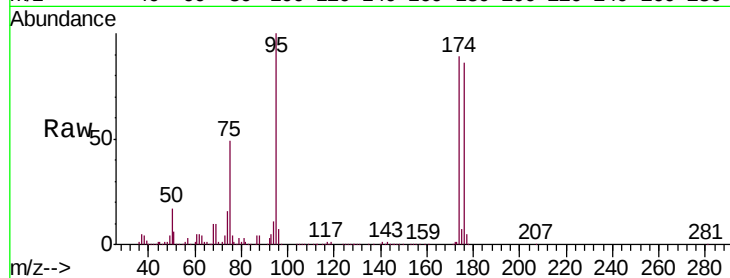
Tot Ion: 75 Resp: 203216

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

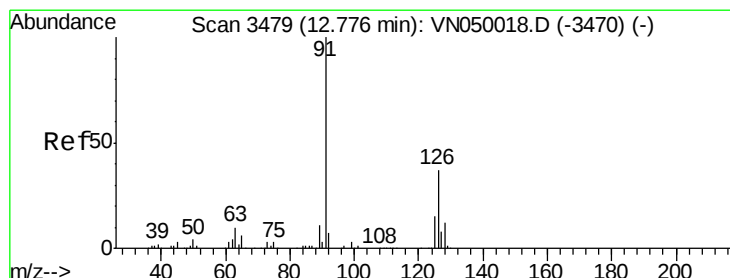
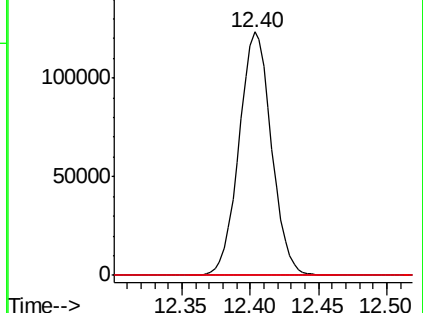
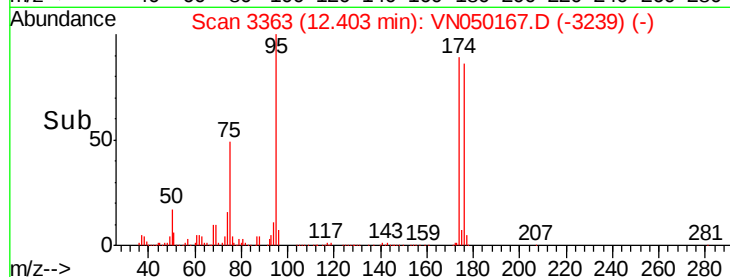
89 0.0 36.0 54.0#



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: 0.26 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.12 min

Lab File: VN050167.D

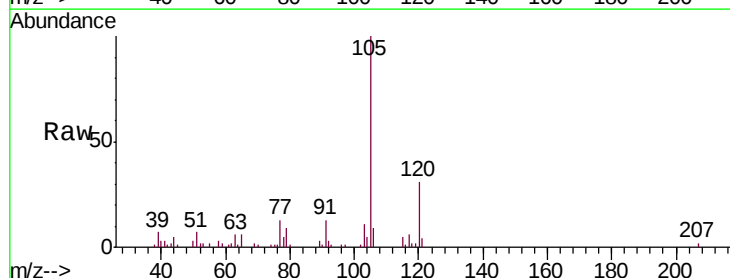
Acq: 28 Jul 2018 7:32

Tgt Ion: 91 Resp: 5120

Ion Ratio Lower Upper

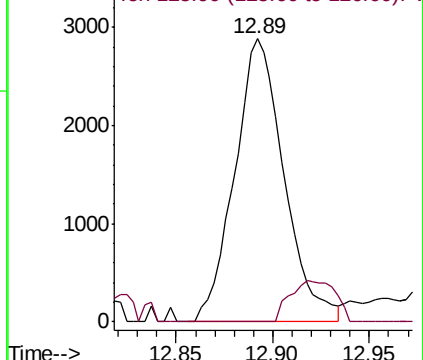
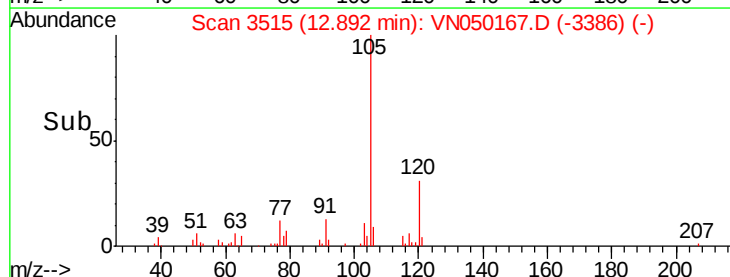
91 100

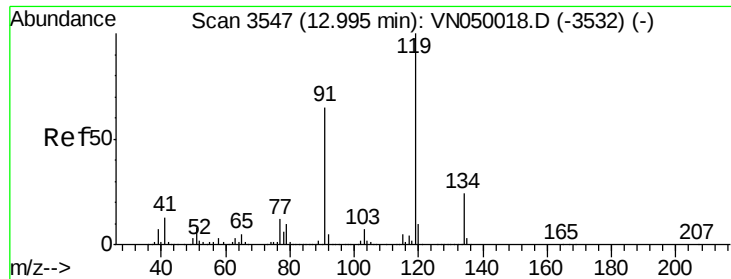
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

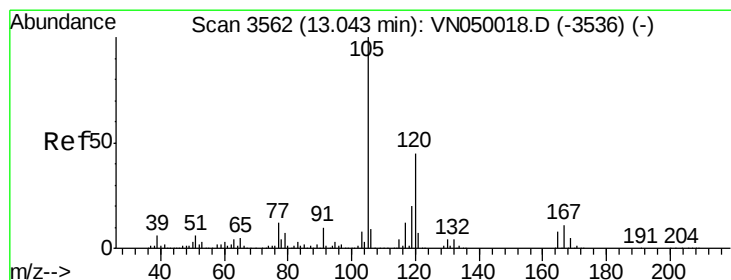
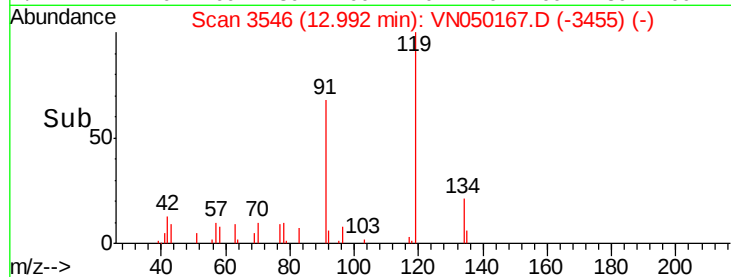
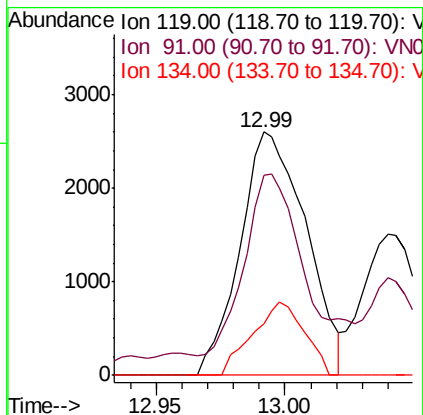
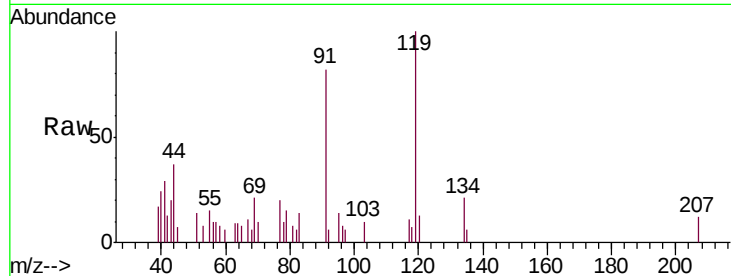




#83
 tert-Butylbenzene
 Concen: 0.24 ug/l
 RT: 12.99 min Scan# 3546
 Delta R.T. -0.01 min
 Lab File: VN050167.D
 Acq: 28 Jul 2018 7:32

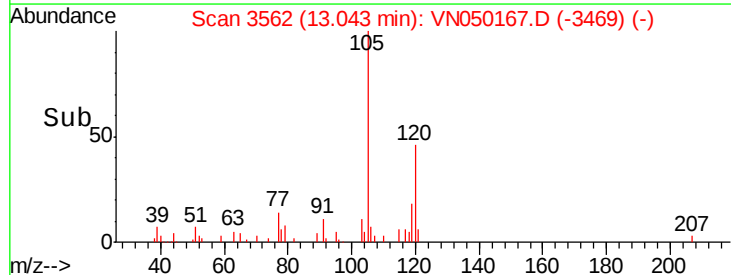
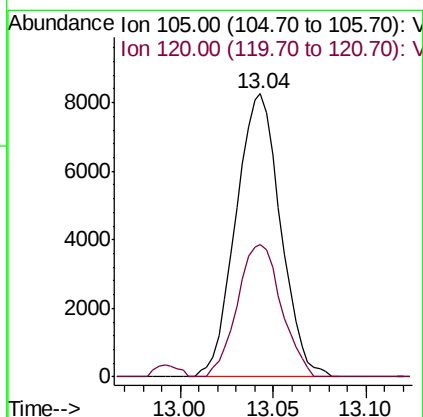
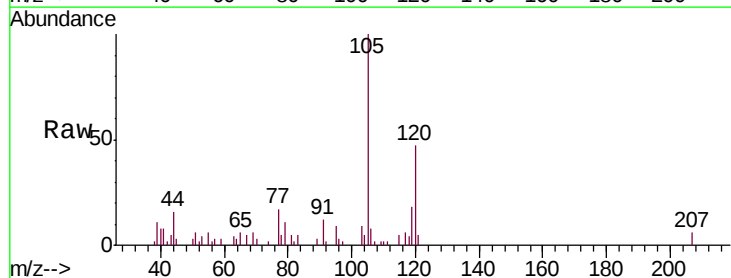
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A12

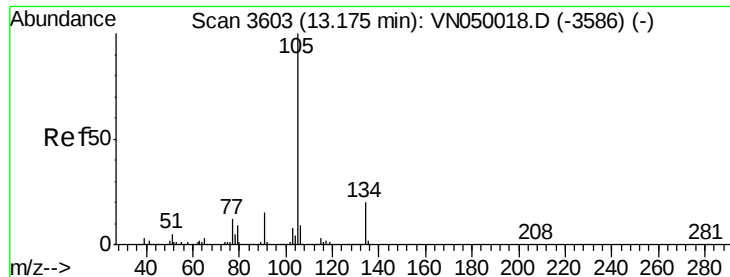
Tot Ion:119 Resp: 4635
 Ion Ratio Lower Upper
 119 100
 91 67.7 32.1 96.3
 134 23.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.61 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050167.D
 Acq: 28 Jul 2018 7:32

Tgt Ion:105 Resp: 13826
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 0.50 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

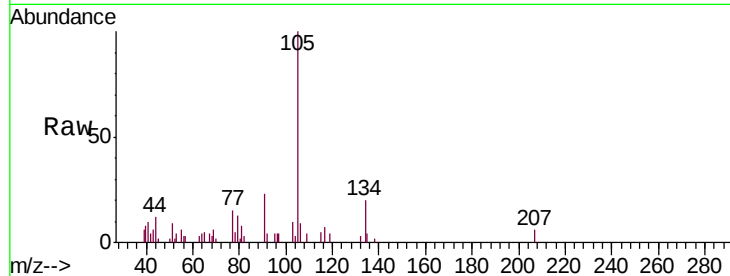
MW-A12

Tot Ion:105 Resp: 13140

Ion Ratio Lower Upper

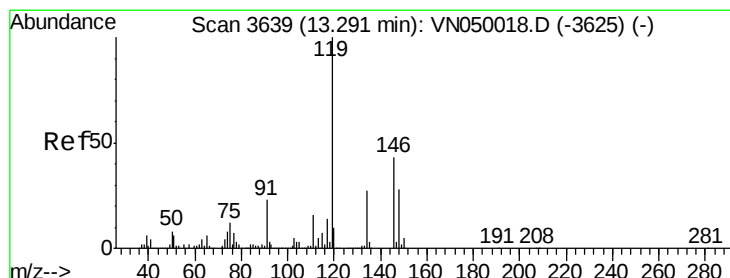
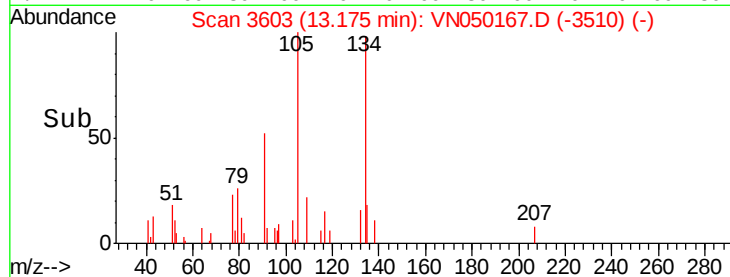
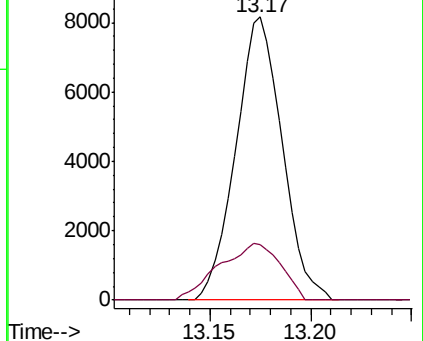
105 100

134 26.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.33 ug/l

RT: 13.38 min Scan# 3666

Delta R.T. 0.09 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

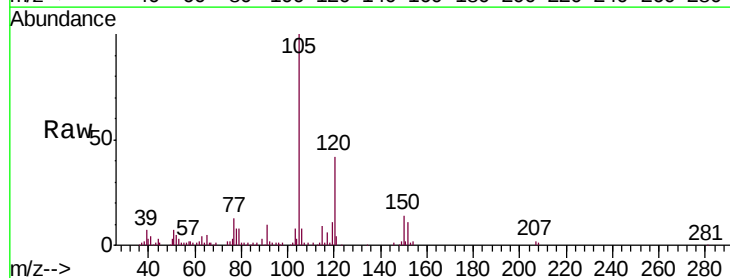
Tgt Ion:119 Resp: 7253

Ion Ratio Lower Upper

119 100

134 0.0 13.3 39.8#

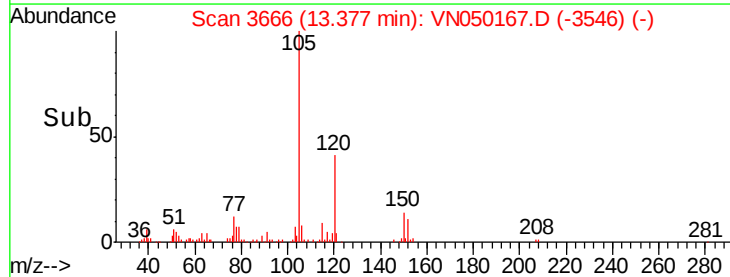
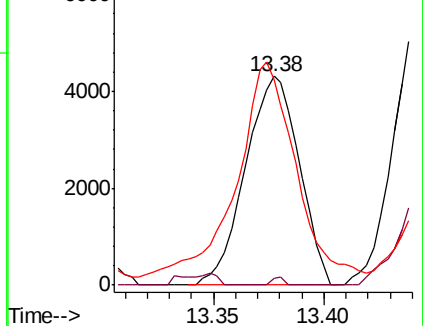
91 0.0 11.4 34.2#

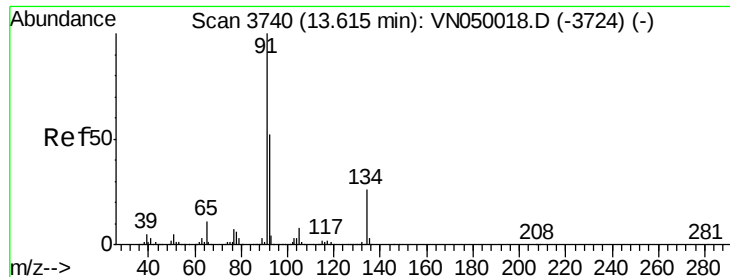


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 20.04 ug/l

RT: 13.54 min Scan# 3718

Delta R.T. -0.07 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

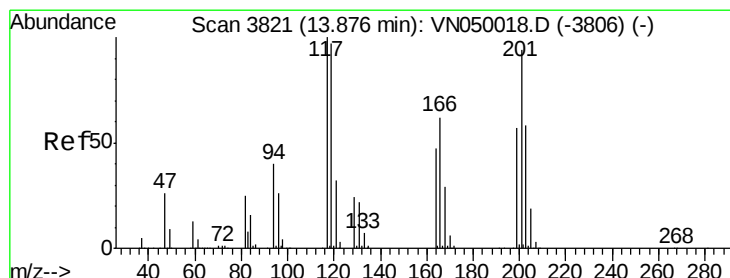
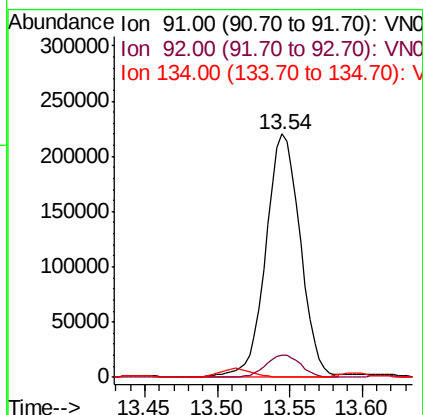
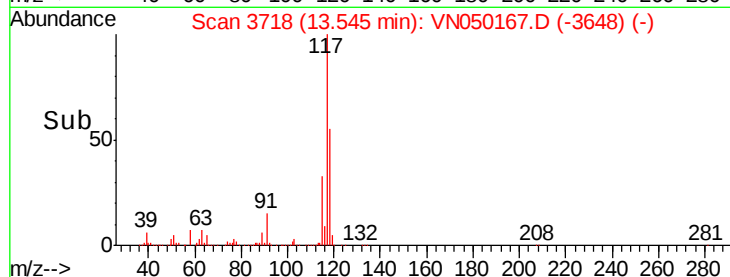
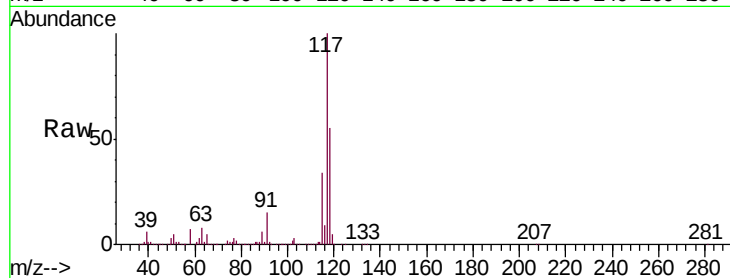
Tot Ion: 91 Resp: 363008

Ion Ratio Lower Upper

91 100

92 9.5 25.8 77.4#

134 0.0 12.8 38.4#



#90

Hexachloroethane

Concen: 2.42 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN050167.D

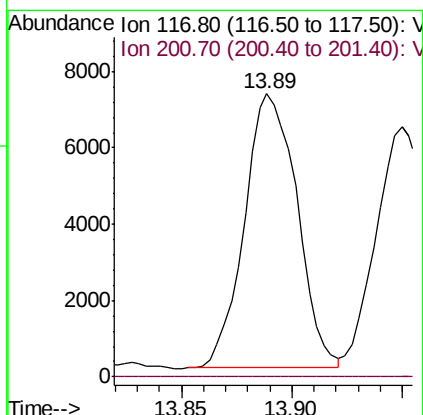
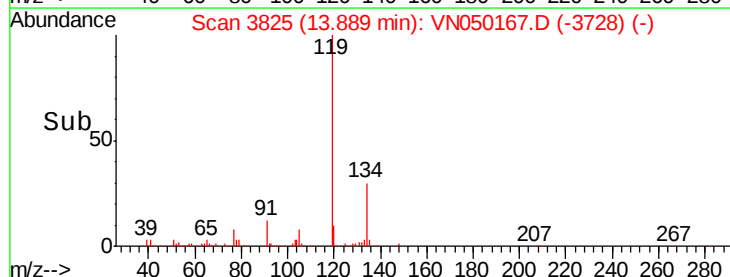
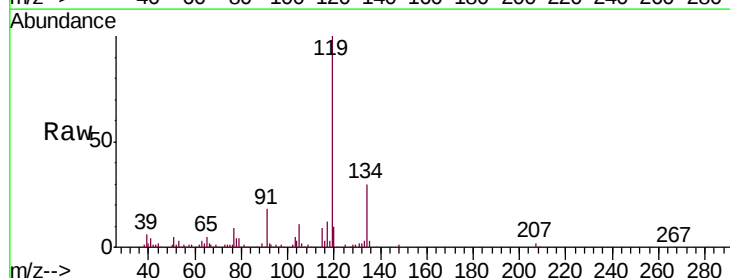
Acq: 28 Jul 2018 7:32

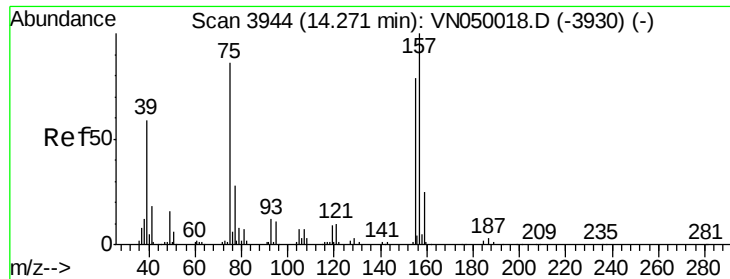
Tgt Ion: 117 Resp: 11823

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3951

Delta R.T. 0.02 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

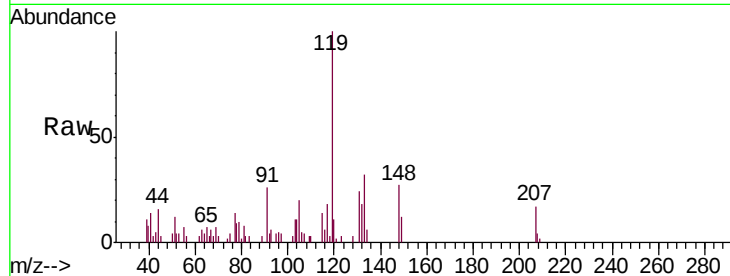
Tot Ion: 75 Resp: 510

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

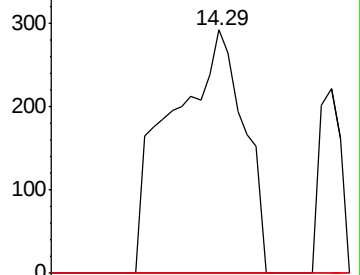
157 0.0 57.2 171.6#



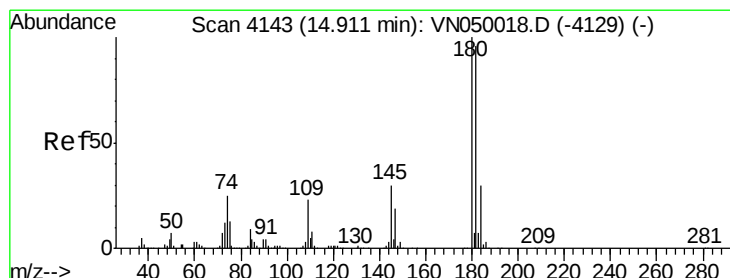
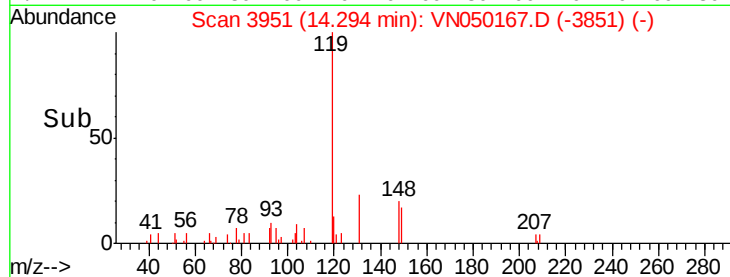
Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

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

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



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.12 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

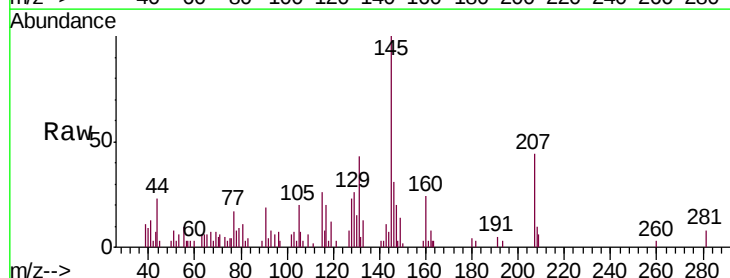
Tgt Ion: 180 Resp: 275

Ion Ratio Lower Upper

180 100

182 124.0 46.7 140.1

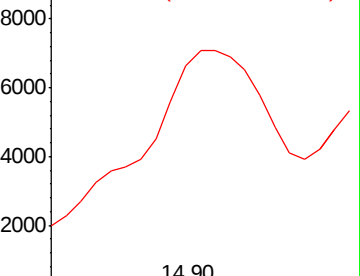
145 5753.5 13.8 41.4#



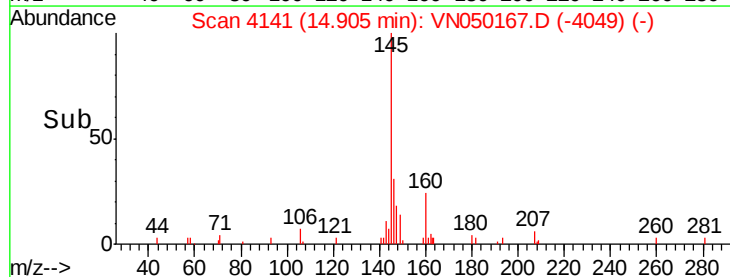
Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

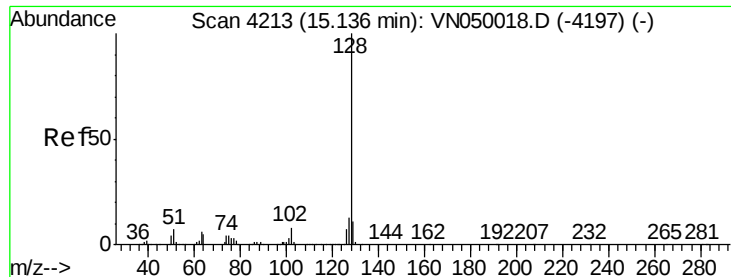
Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

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



Time-->





#95

Naphthalene

Concen: 14.57 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

Instrument :

MSVOA_N

ClientSampleId :

MW-A12

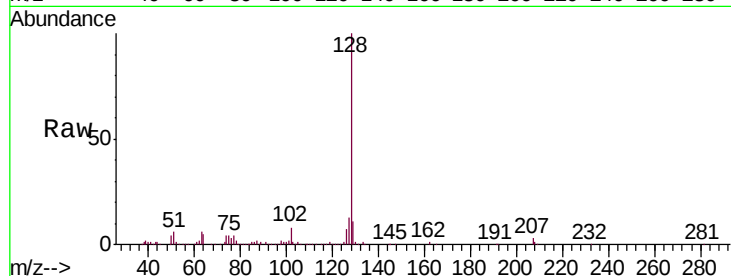
Tot Ion:128 Resp: 187017

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

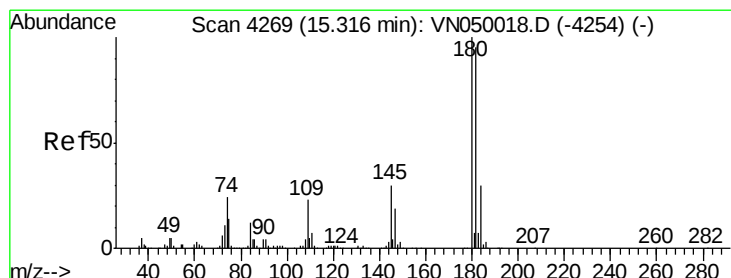
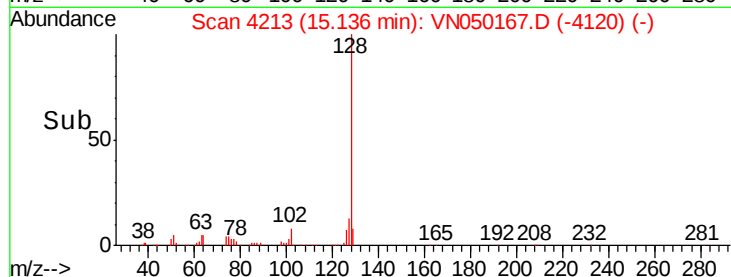
15.14

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.22 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN050167.D

Acq: 28 Jul 2018 7:32

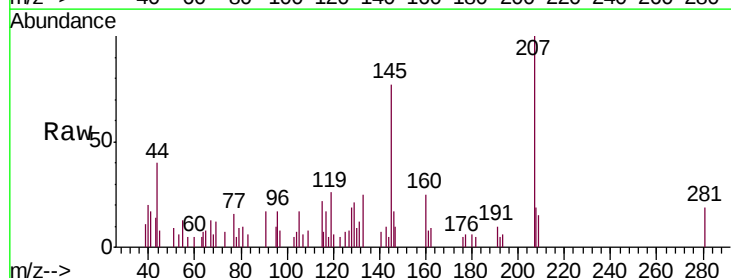
Tgt Ion:180 Resp: 128

Ion Ratio Lower Upper

180 100

182 128.9 48.1 144.4

145 0.0 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V
4000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

3000

2000

1000

0

Time-->

