

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050297.D
 Acq On : 3 Aug 2018 5:52
 Operator : MD\SY
 Sample : J4303-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A18

Quant Time: Aug 03 07:01:52 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	659354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1094594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	901132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358091	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	461489	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.59	113	415363	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	10.09	98	1472864	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
62) 4-Bromofluorobenzene	12.40	95	418891	38.72	ug/l	0.00
Spiked Amount			Recovery	=	77.44%	

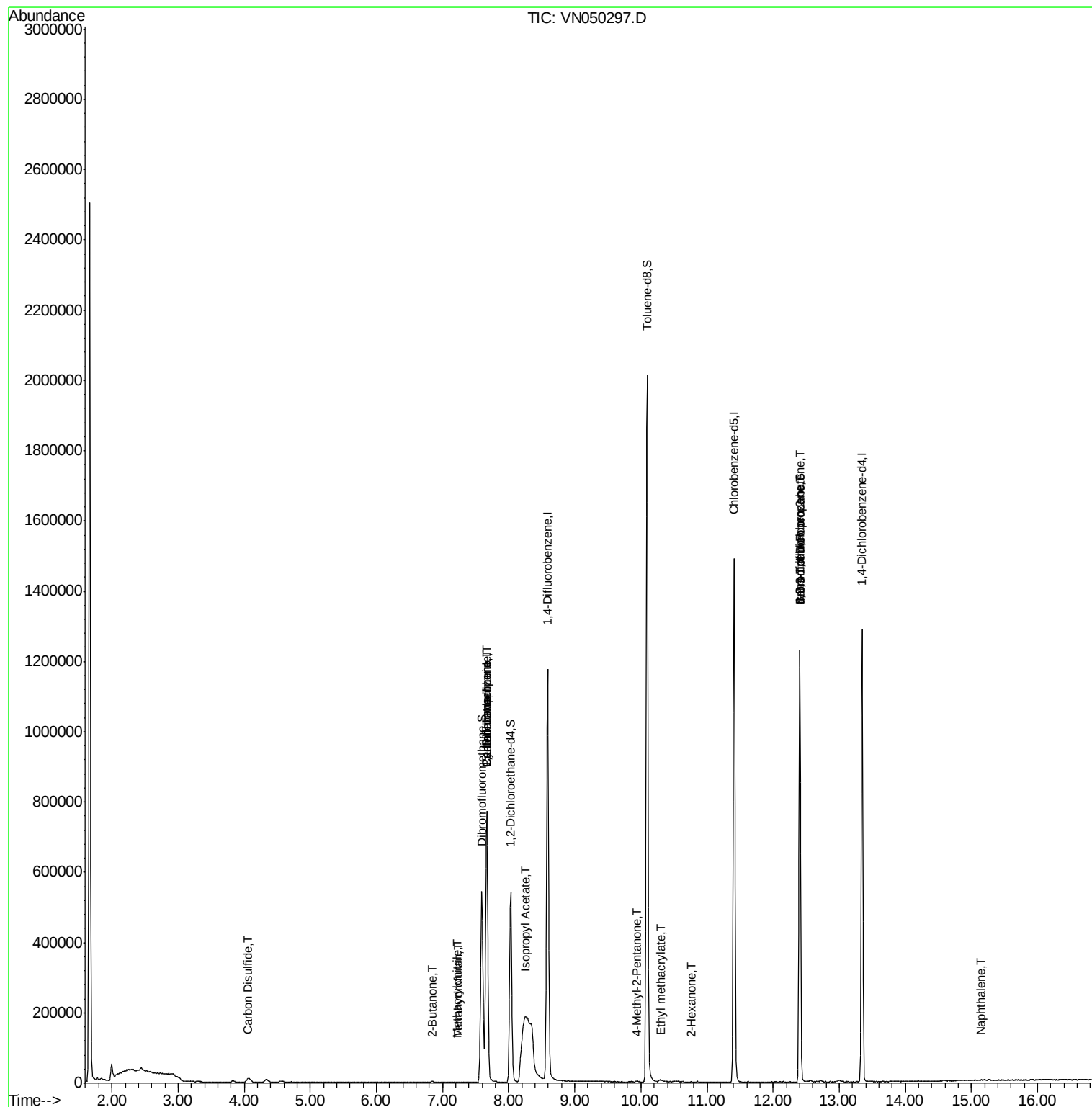
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	371	Below Cal	#	63
16) Acetone	3.83	43	7934	Below Cal	#	96
17) Carbon Disulfide	4.05	76	17461	0.75	ug/l #	94
20) Methylene Chloride	4.54	84	636	Below Cal	#	86
25) 2-Butanone	6.85	43	829	0.24	ug/l #	48
29) Tetrahydrofuran	7.22	42	921	0.41	ug/l #	41
31) Cyclohexane	7.67	56	12369	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47181	3.83	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59056	4.51	ug/l #	17
41) Methacrylonitrile	7.21	41	60	2.76	ug/l #	10
43) Isopropyl Acetate	8.24	43	292923	17.33	ug/l #	61
51) 4-Methyl-2-Pentanone	9.93	43	1737	0.21	ug/l #	35
56) Ethyl methacrylate	10.31	69	33	2.03	ug/l #	1
59) 2-Hexanone	10.76	43	206	5.21	ug/l #	24
71) Bromoform	12.40	173	3165	0.50	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.42	83	63	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	204336	30.70	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	204336	97.39	ug/l #	13
95) Naphthalene	15.15	128	1024	4.47	ug/l #	69

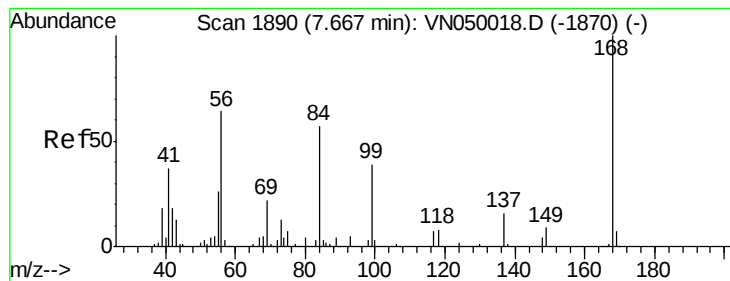
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampleId :

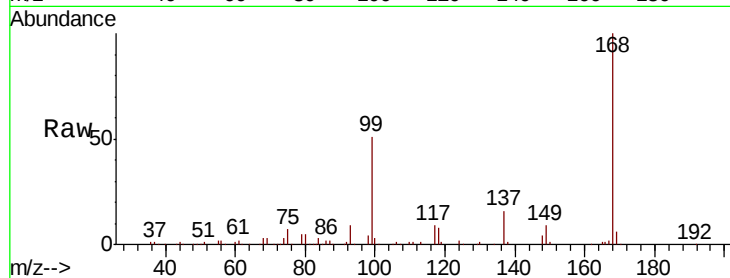
MW-A18

Tot Ion:168 Resp: 659354

Ion Ratio Lower Upper

168 100

99 51.0 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

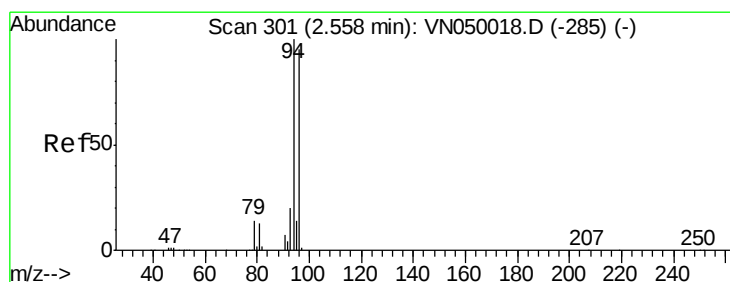
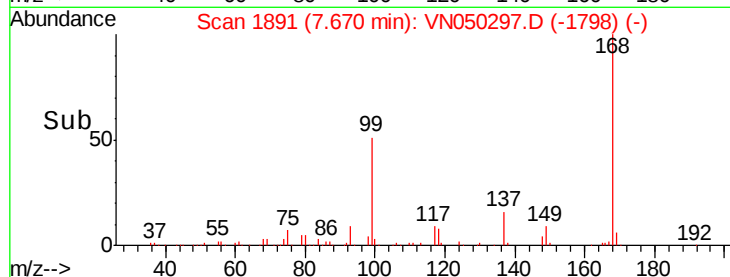
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050297.D

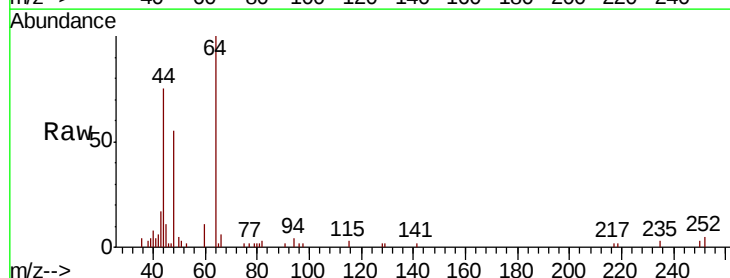
Acq: 3 Aug 2018 5:52

Tgt Ion: 94 Resp: 371

Ion Ratio Lower Upper

94 100

96 57.5 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) (-)

2.57

400

300

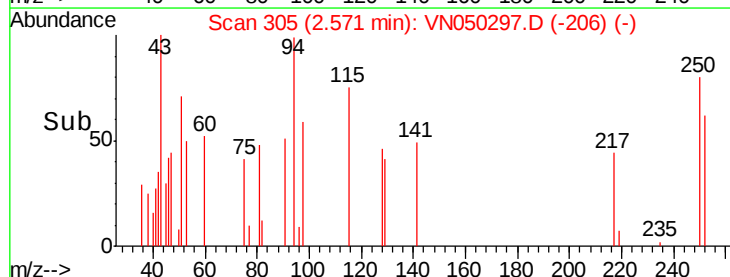
200

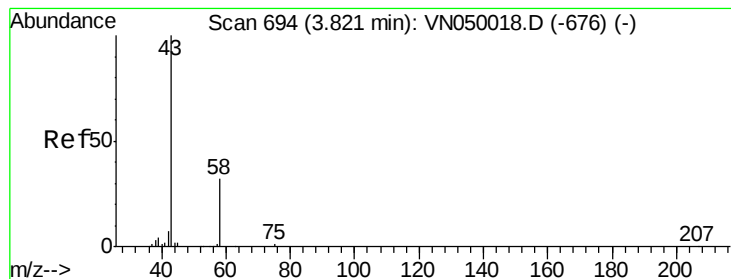
100

0

2.56 2.58 2.60

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampled :

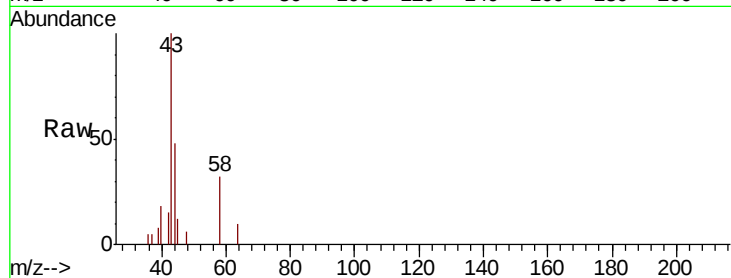
MW-A18

Tot Ion: 43 Resp: 7934

Ion Ratio Lower Upper

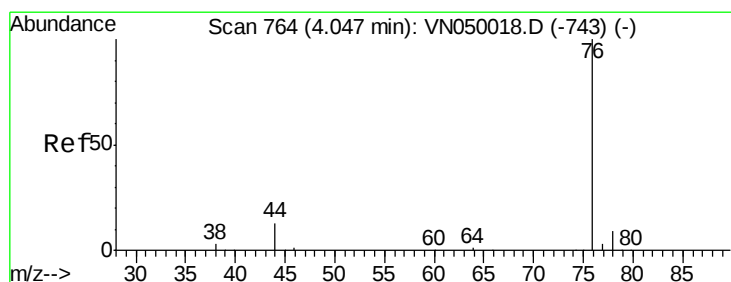
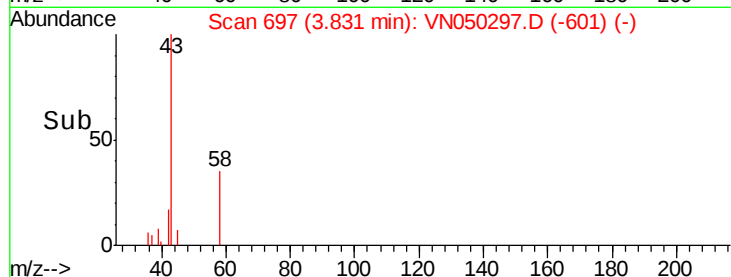
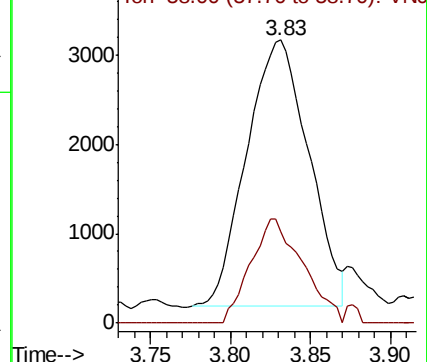
43 100

58 34.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.75 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050297.D

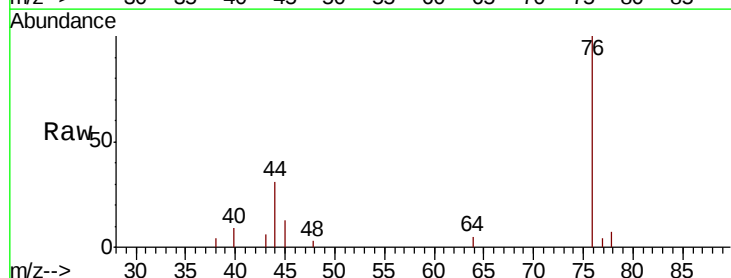
Acq: 3 Aug 2018 5:52

Tgt Ion: 76 Resp: 17461

Ion Ratio Lower Upper

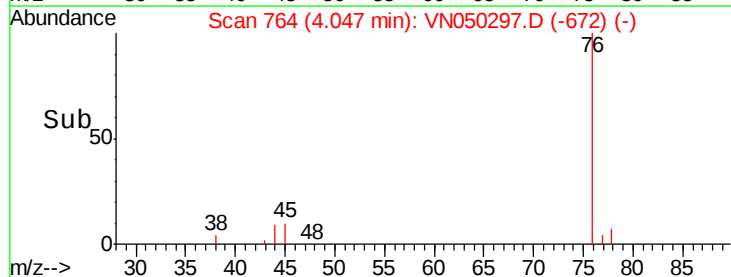
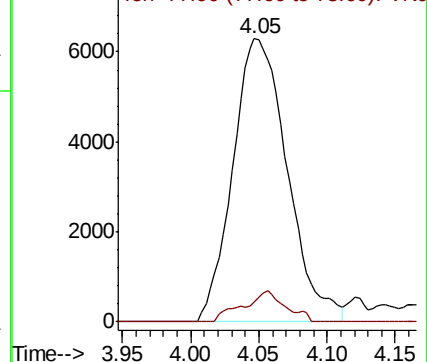
76 100

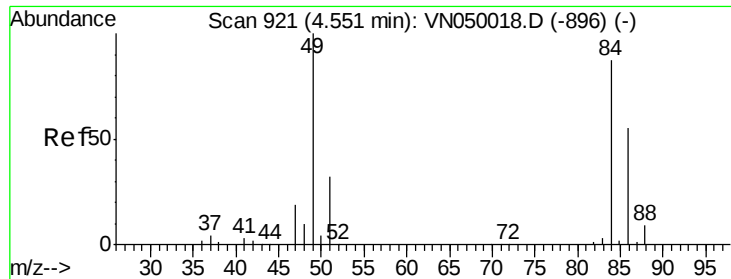
78 6.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

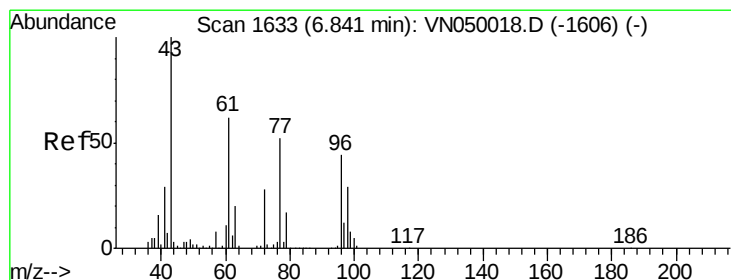
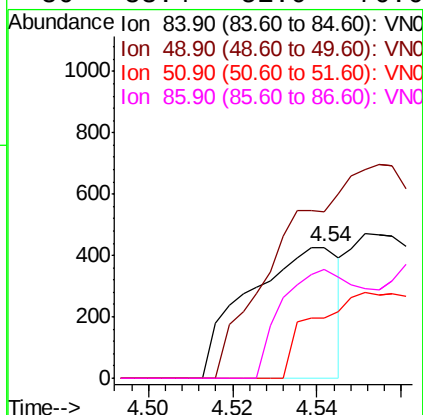
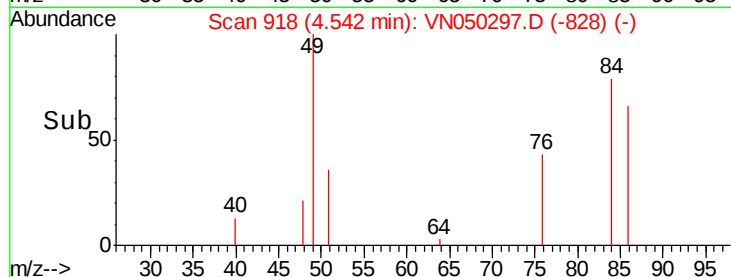
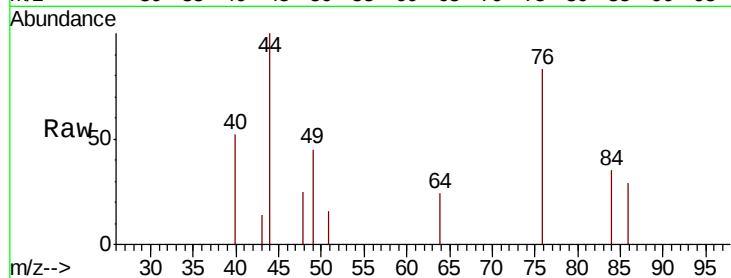




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

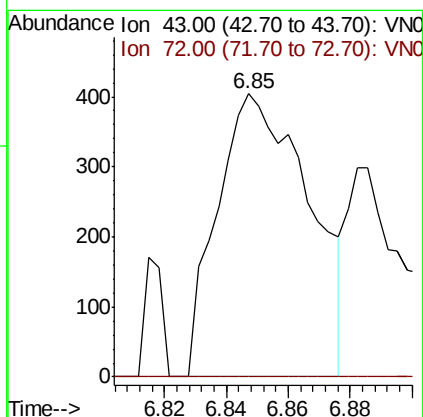
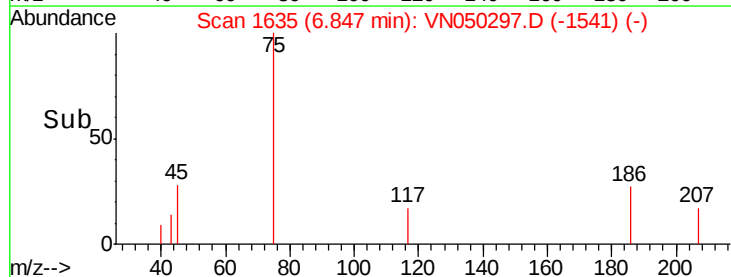
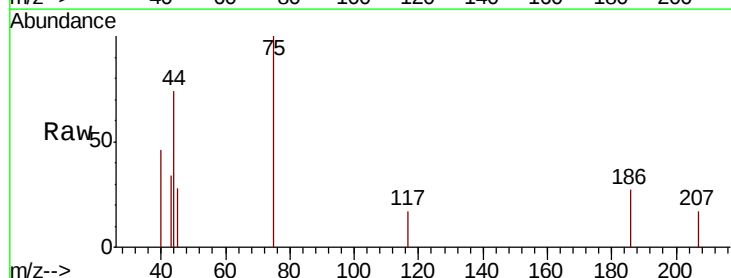
Instrument :
MSVOA_N
ClientSampled :
MW-A18

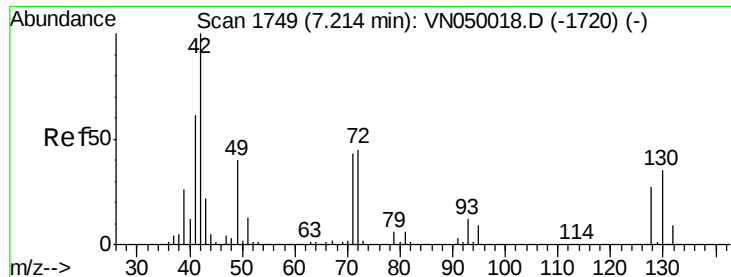
Tot Ion: 84 Resp: 636
Ion Ratio Lower Upper
84 100
49 127.2 94.8 142.2
51 45.7 28.3 42.5#
86 83.4 51.0 76.6#



#25
2-Butanone
Concen: 0.24 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampleId :

MW-A18

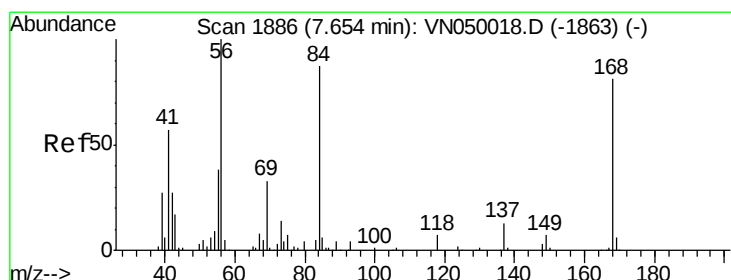
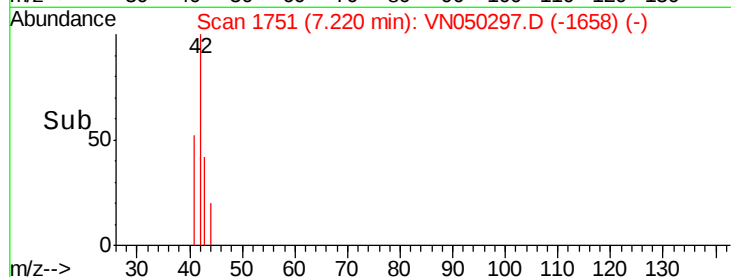
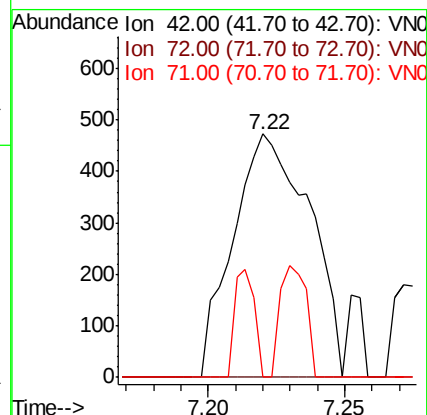
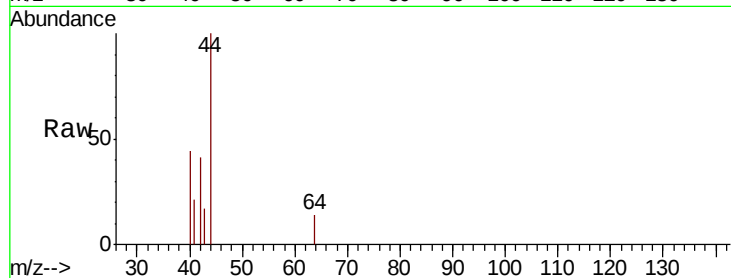
Tot Ion: 42 Resp: 921

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 11.7 33.7 50.5#



#31

Cyclohexane

Concen: 0.91 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

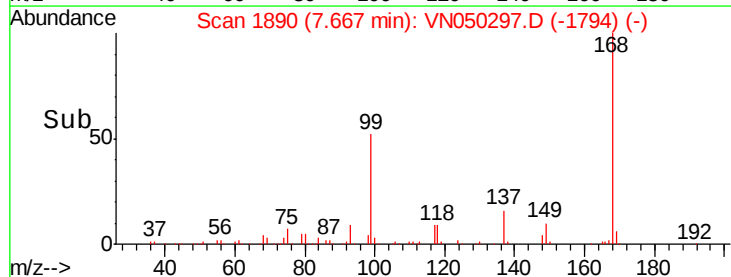
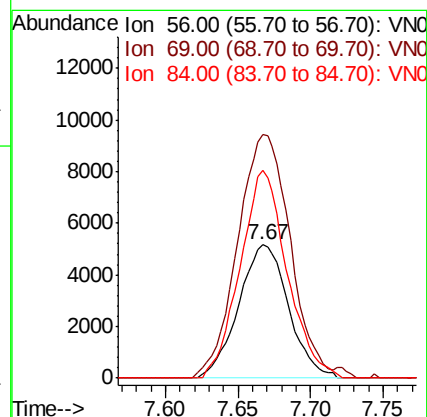
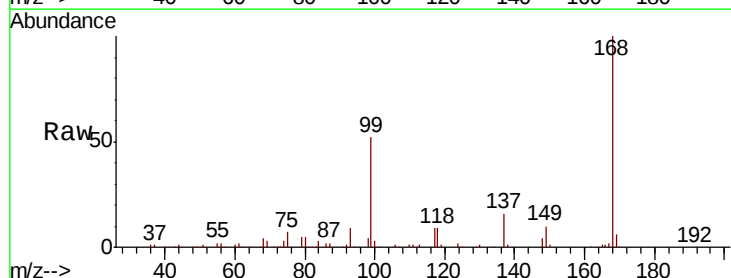
Tgt Ion: 56 Resp: 12369

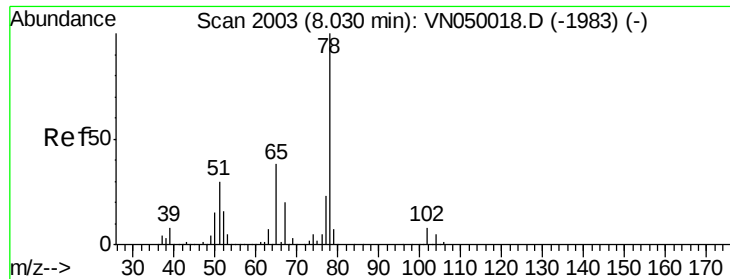
Ion Ratio Lower Upper

56 100

69 182.8 26.2 39.4#

84 155.5 67.4 101.0#

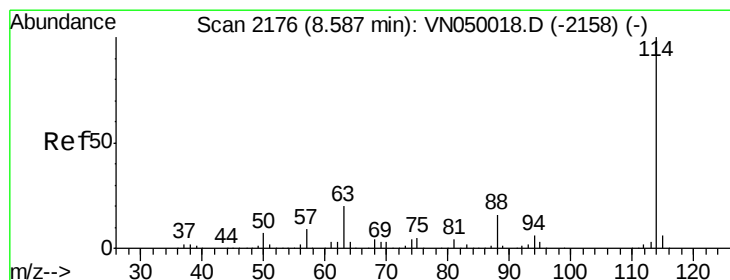
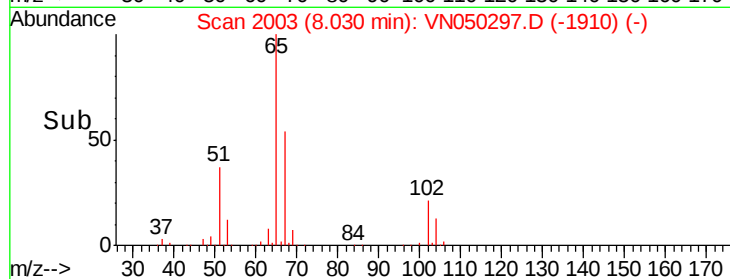
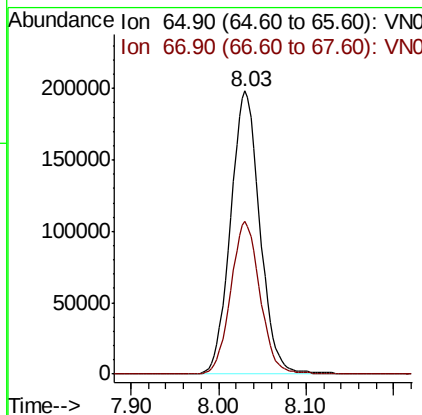
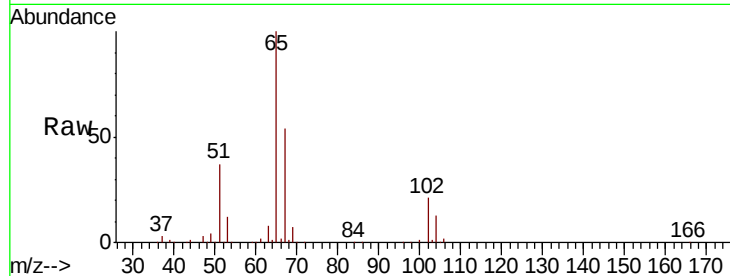




#33
 1,2-Dichloroethane-d4
 Concen: 50.16 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050297.D
 Acq: 3 Aug 2018 5:52

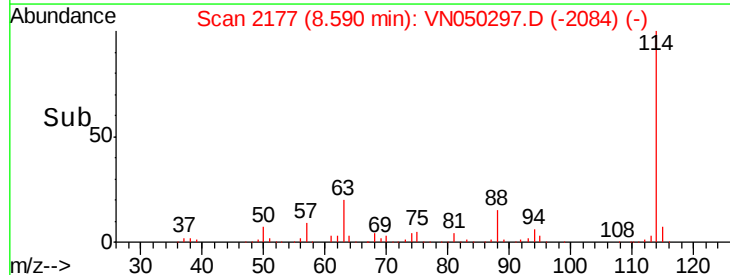
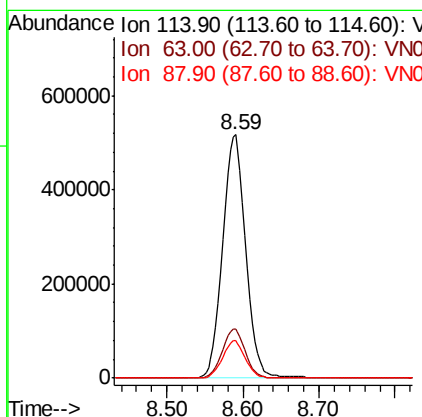
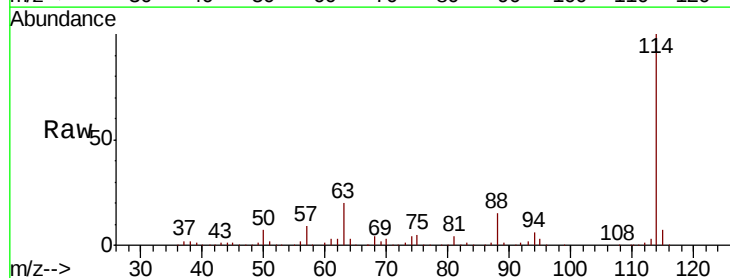
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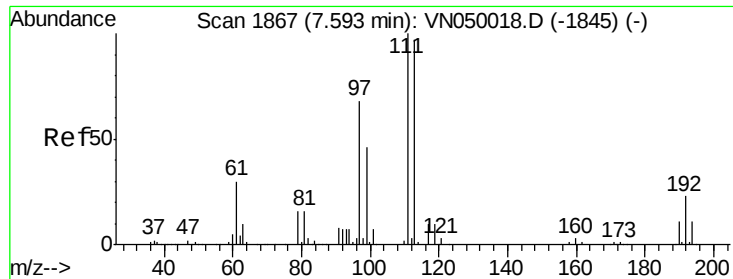
Tot Ion: 65 Resp: 461489
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050297.D
 Acq: 3 Aug 2018 5:52

Tgt Ion: 114 Resp: 1094594
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.2 0.0 31.2

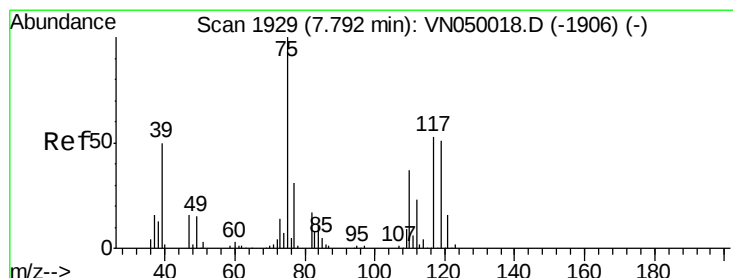
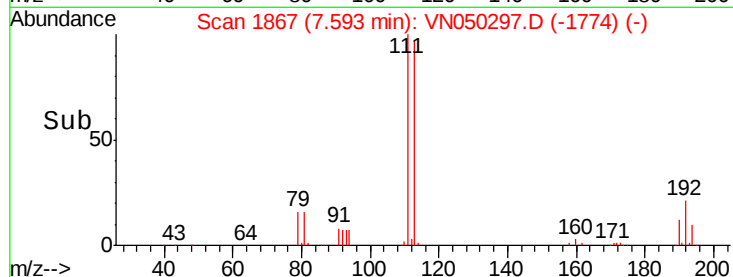
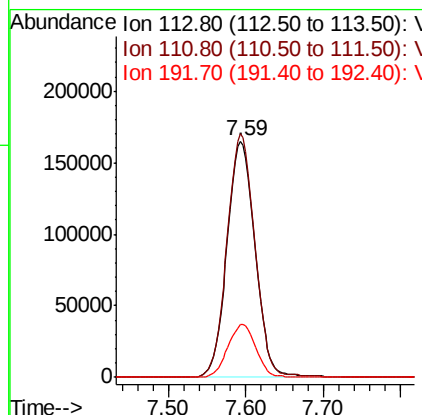
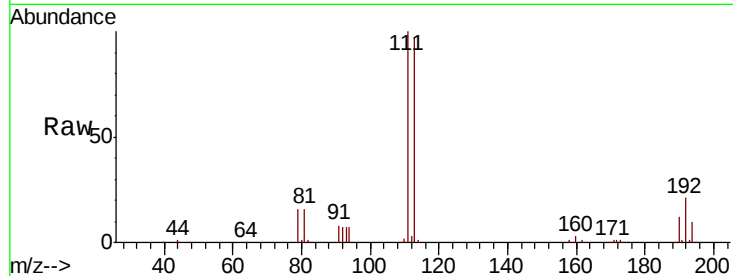




#35
 Dibromofluoromethane
 Concen: 46.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050297.D
 Acq: 3 Aug 2018 5:52

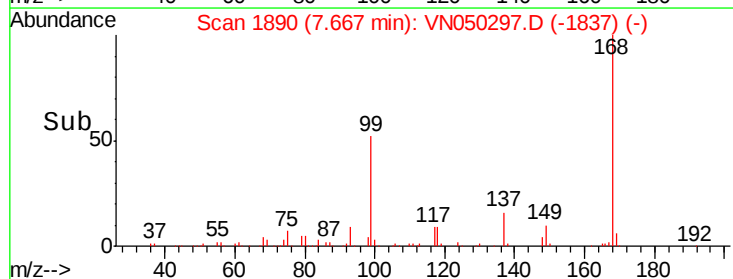
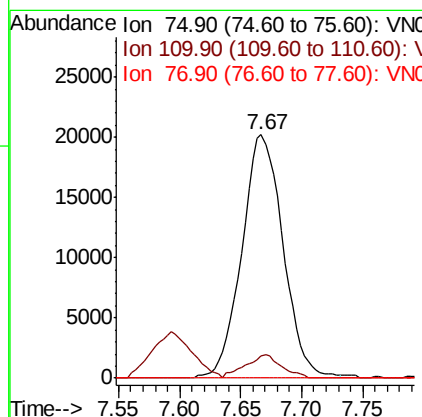
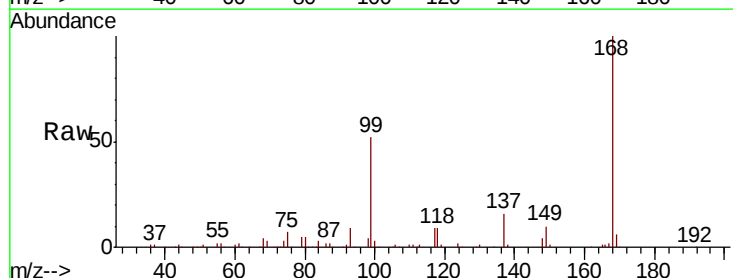
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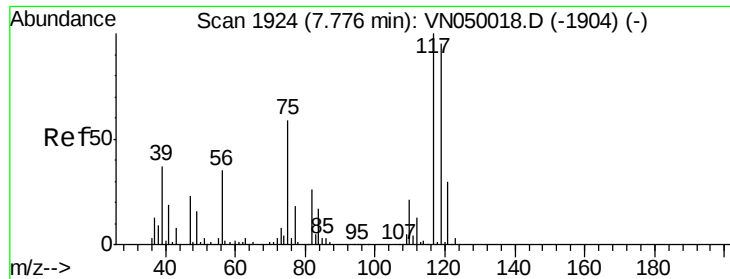
Tot Ion:113 Resp: 415363
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050297.D
 Acq: 3 Aug 2018 5:52

Tgt Ion: 75 Resp: 47181
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 25.3 37.9#

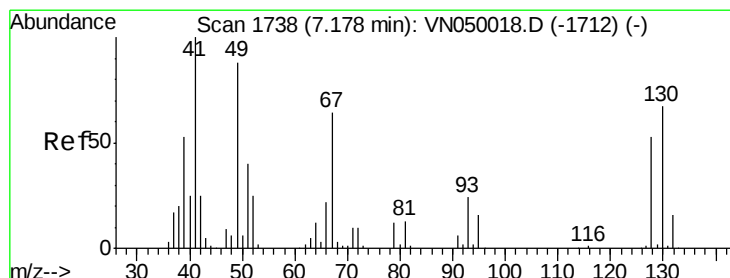
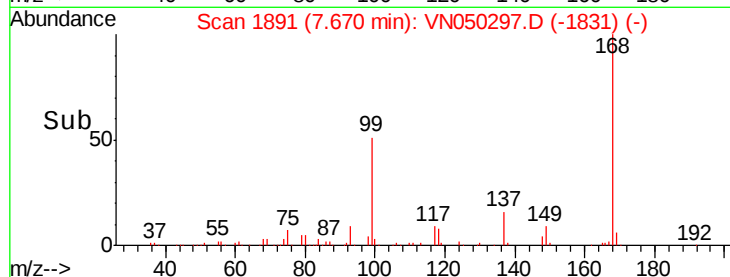
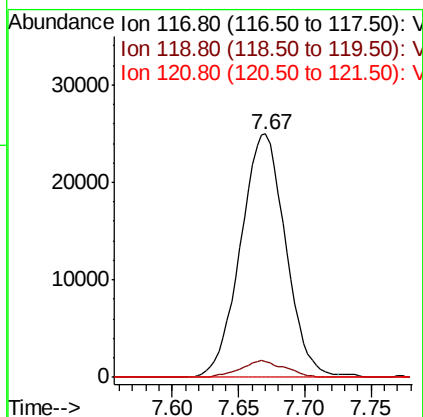
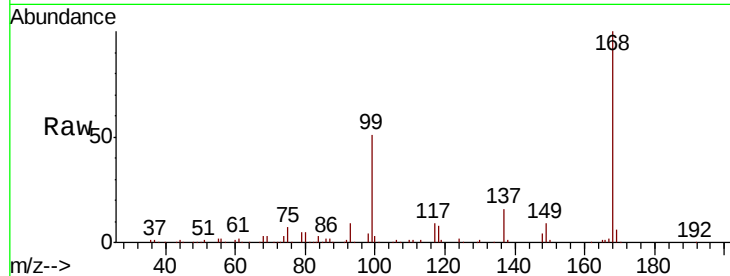




#38
Carbon Tetrachloride
Concen: 4.51 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

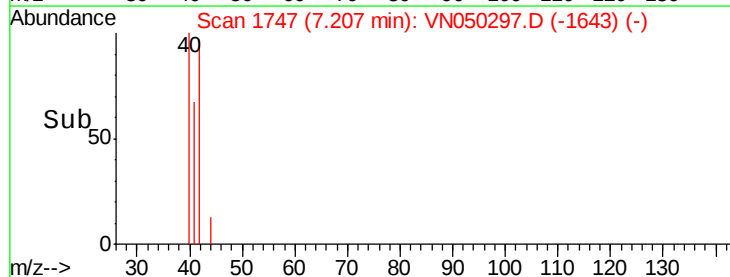
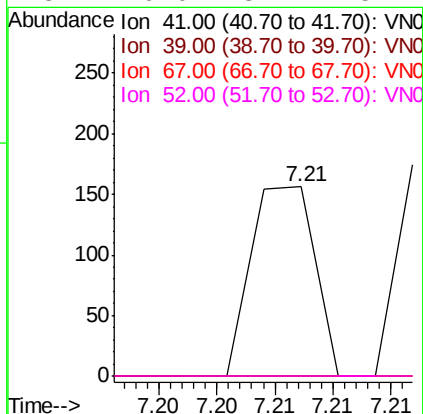
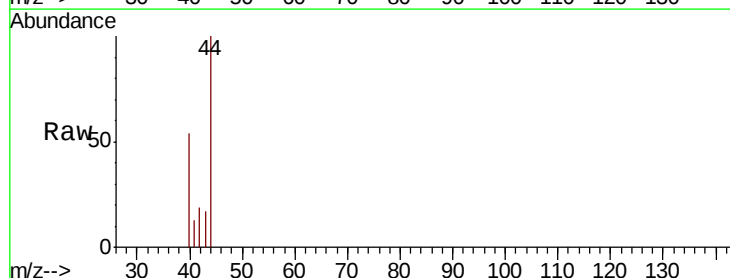
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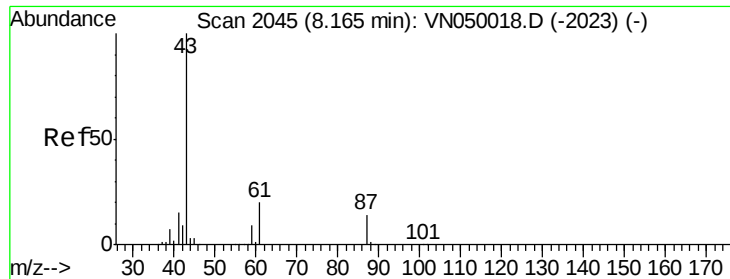
Tot Ion:117 Resp: 59056
Ion Ratio Lower Upper
117 100
119 6.5 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.21 min Scan# 1747
Delta R.T. 0.03 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

Tgt Ion: 41 Resp: 60
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: 17.33 ug/l

RT: 8.24 min Scan# 2069

Delta R.T. 0.07 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampleId :

MW-A18

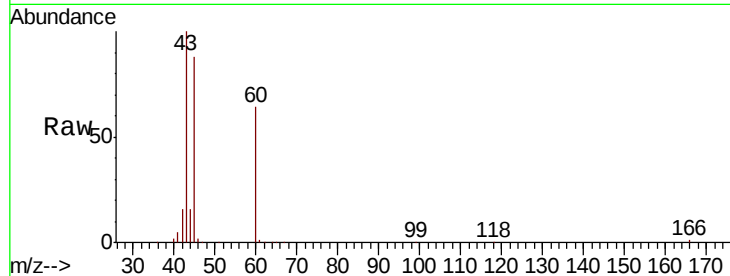
Tot Ion: 43 Resp: 292923

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

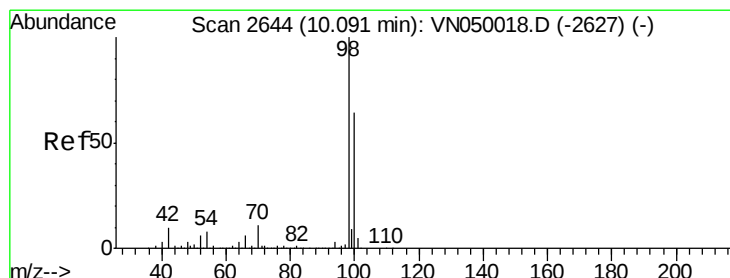
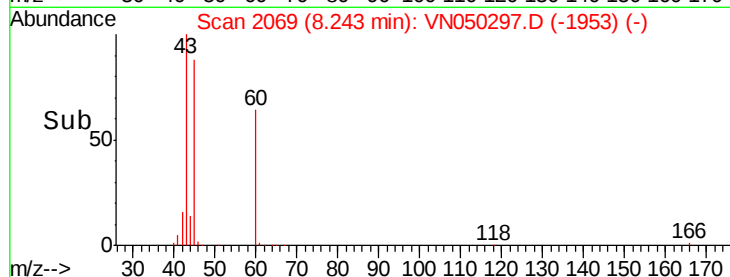
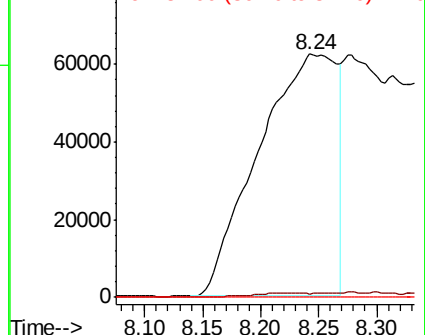
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 44.83 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050297.D

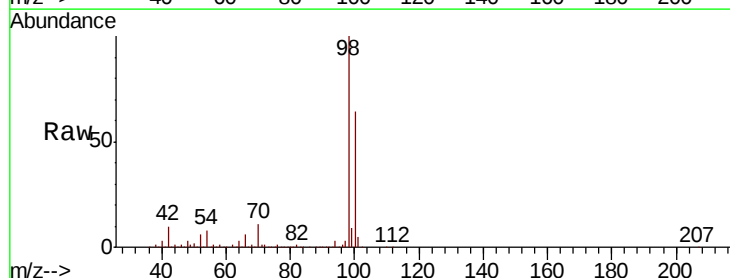
Acq: 3 Aug 2018 5:52

Tgt Ion: 98 Resp: 1472864

Ion Ratio Lower Upper

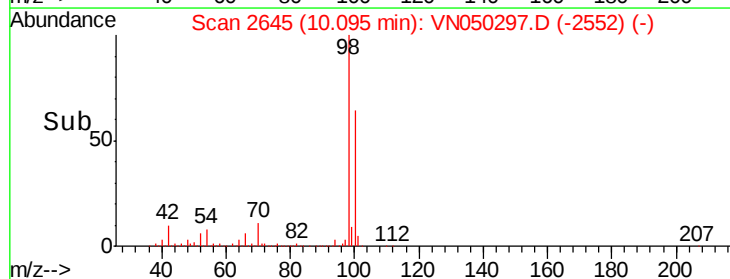
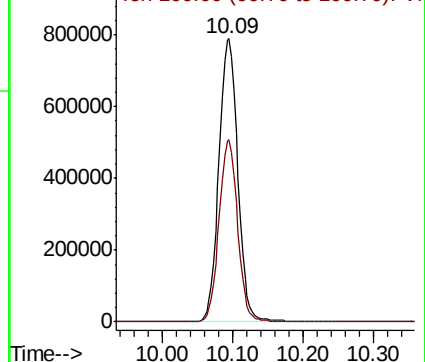
98 100

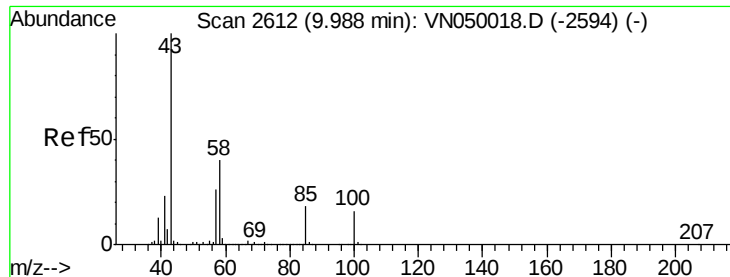
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

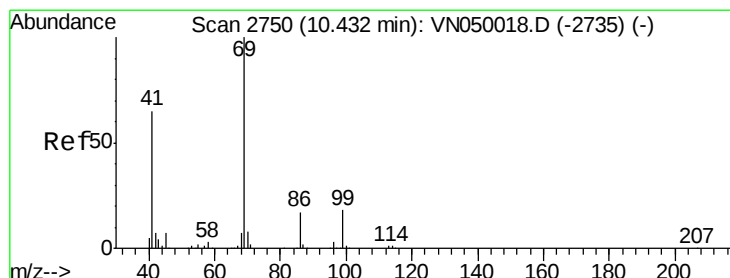
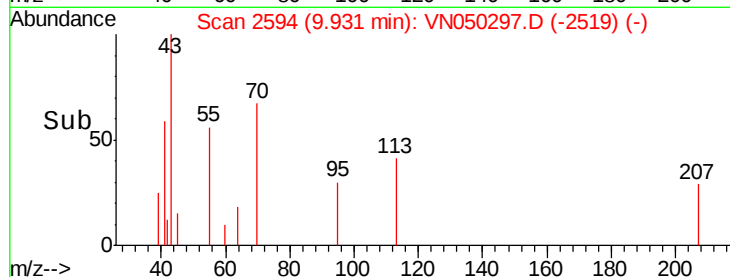
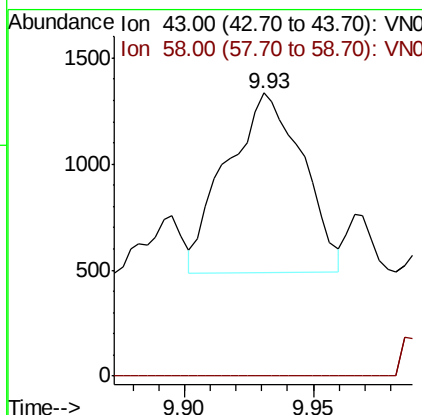
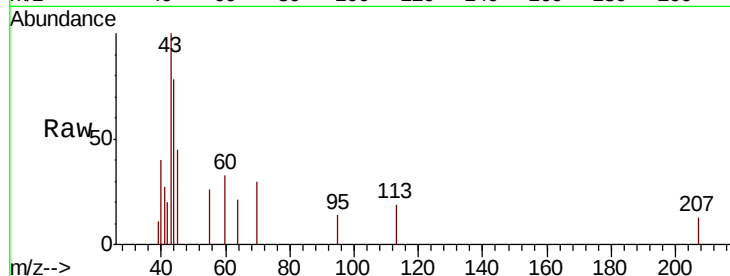




#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 9.93 min Scan# 2594
Delta R.T. -0.06 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

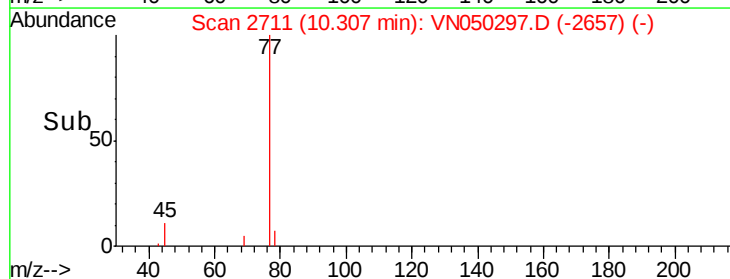
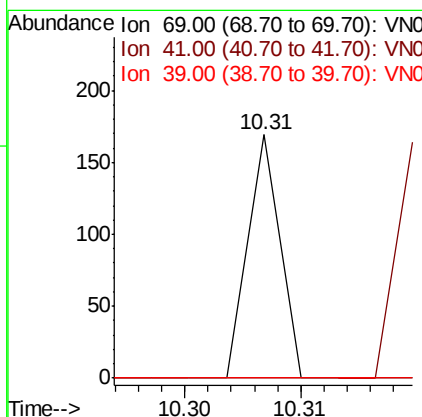
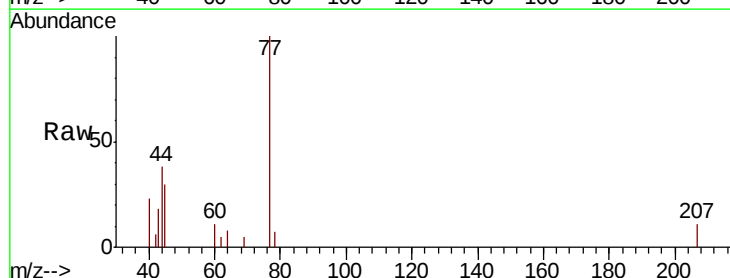
Instrument :
MSVOA_N
ClientSampled :
MW-A18

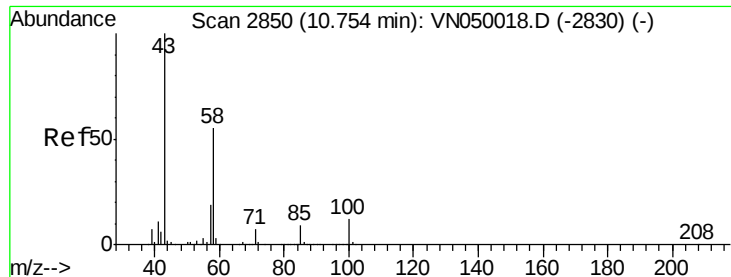
Tot Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
58 0.0 31.9 47.9#



#56
Ethyl methacrylate
Concen: 2.03 ug/l
RT: 10.31 min Scan# 2711
Delta R.T. -0.13 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

Tgt Ion: 69 Resp: 33
Ion Ratio Lower Upper
69 100
41 315.2 51.0 76.4#
39 0.0 26.6 40.0#





#59

2-Hexanone

Concen: 5.21 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampleId :

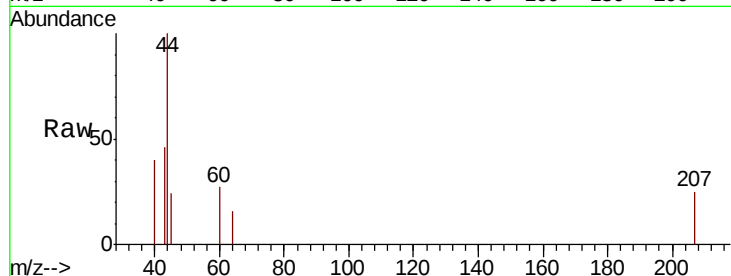
MW-A18

Tot Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

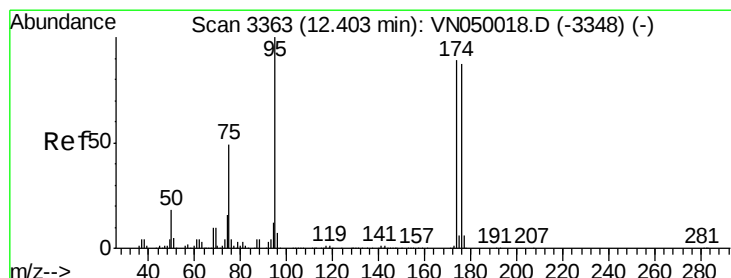
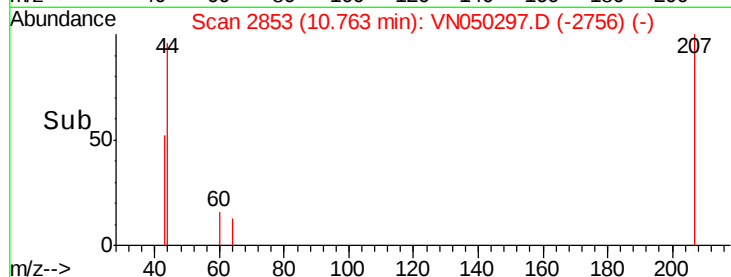
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

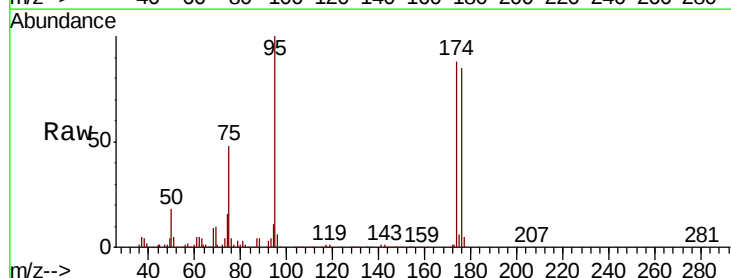
Tgt Ion: 95 Resp: 418891

Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.2

176 86.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

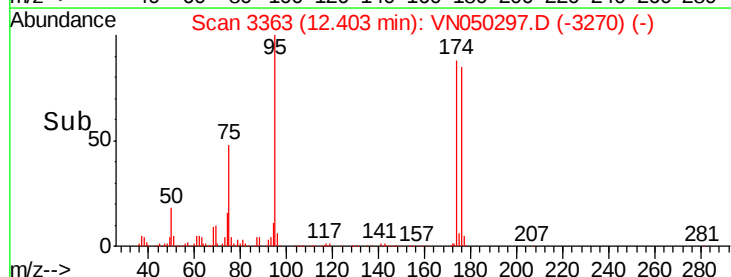
300000

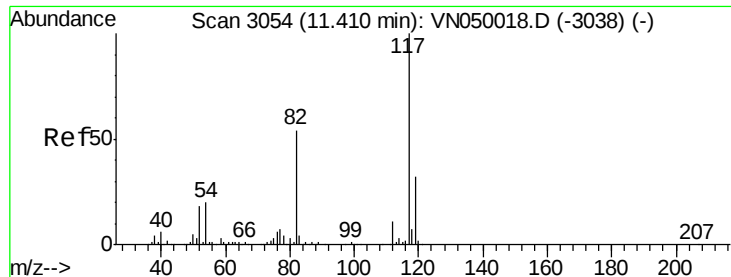
200000

100000

0

Time-->

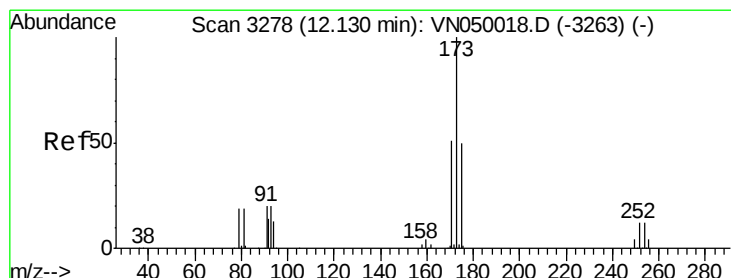
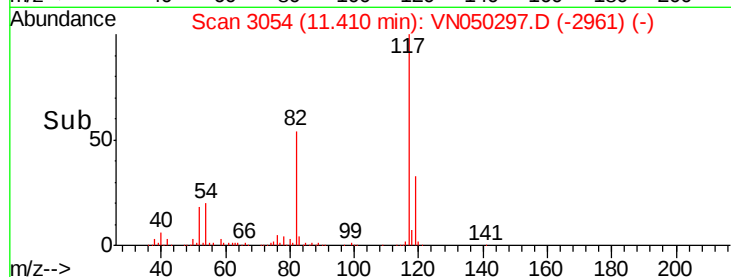
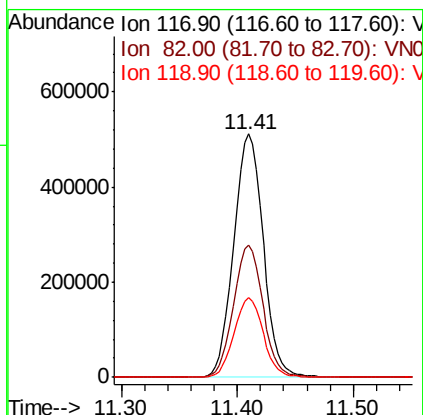
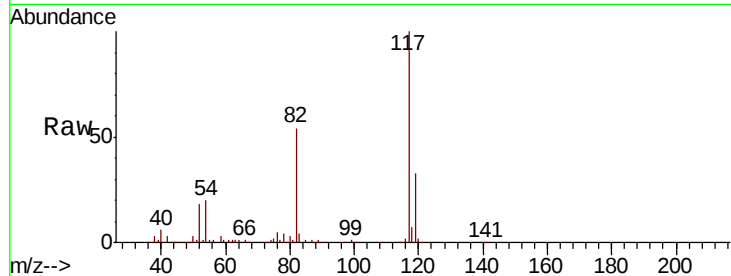




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

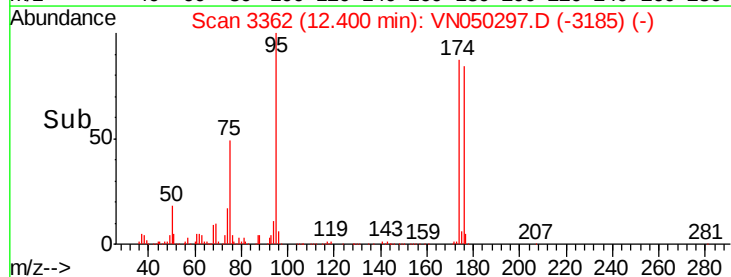
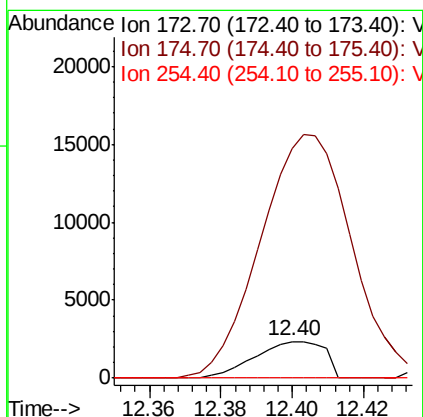
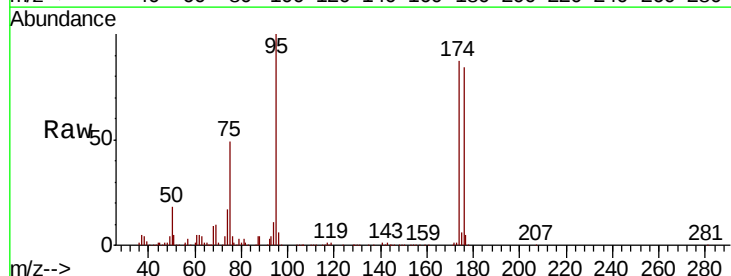
Instrument :
MSVOA_N
ClientSampleId :
MW-A18

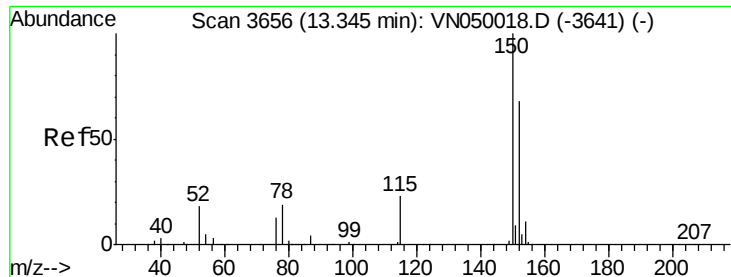
Tot Ion:117 Resp: 901132
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.7 26.1 39.1



#71
Bromoform
Concen: 0.50 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

Tgt Ion:173 Resp: 3165
Ion Ratio Lower Upper
173 100
175 773.1 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: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampleId :

MW-A18

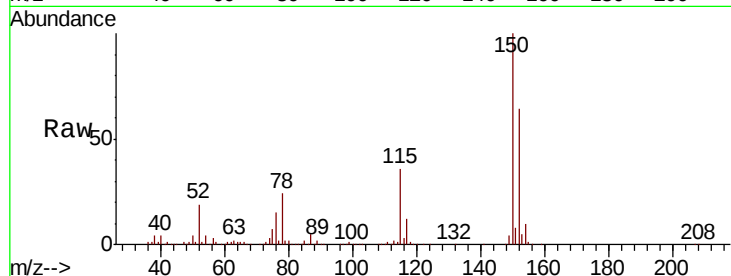
Tot Ion:152 Resp: 358091

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

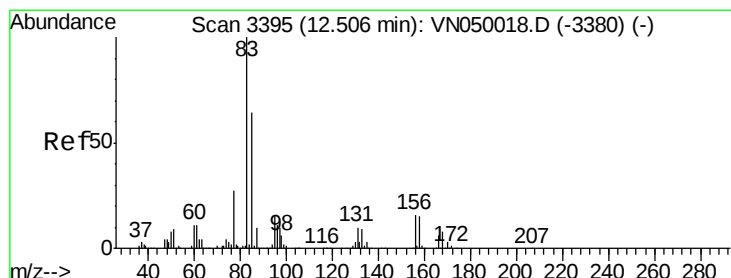
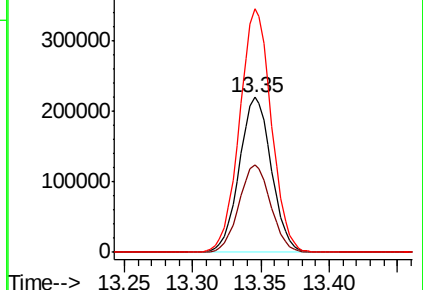
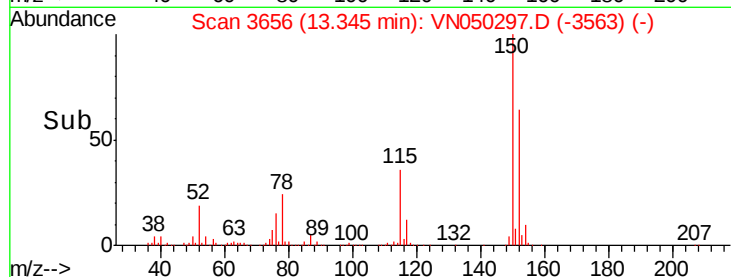
150 155.7 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

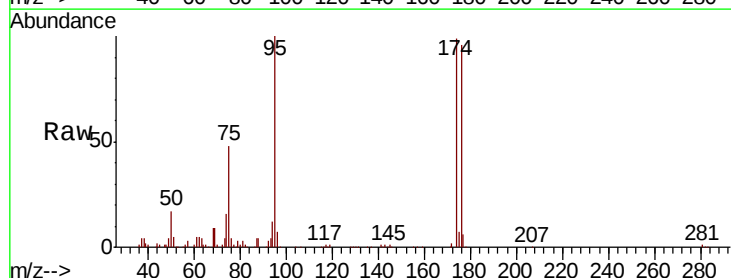
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

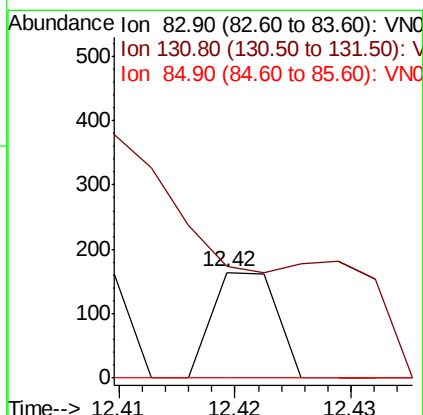
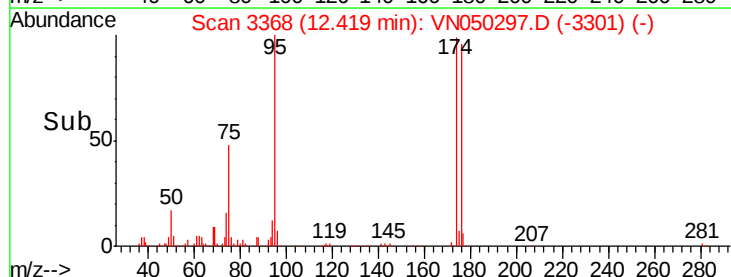
85 0.0 32.3 96.8#

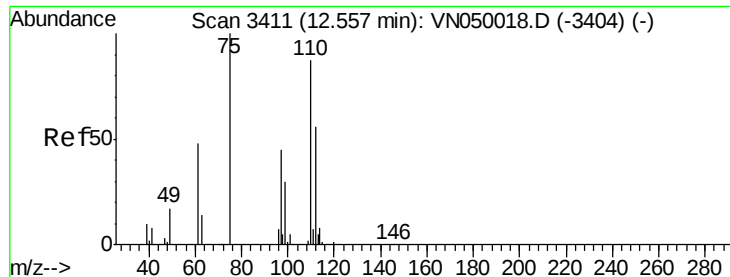


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 30.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

Instrument :

MSVOA_N

ClientSampled :

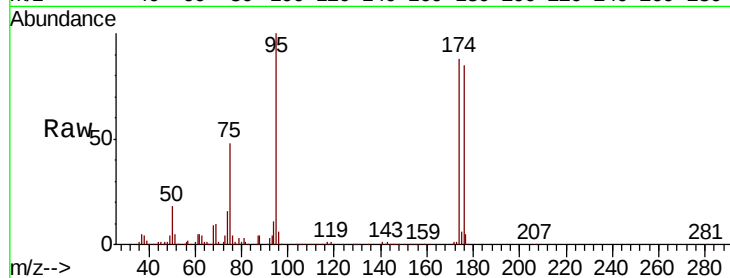
MW-A18

Tot Ion: 75 Resp: 204336

Ion Ratio Lower Upper

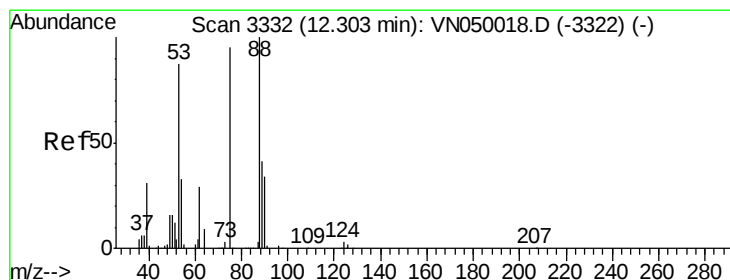
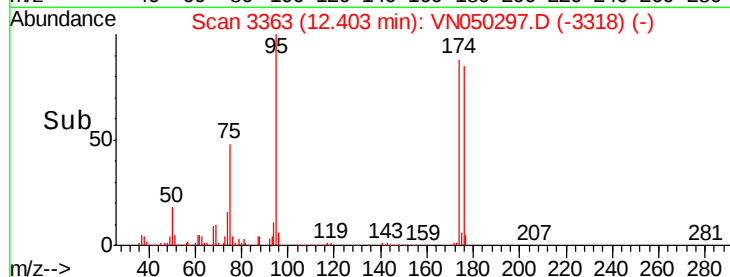
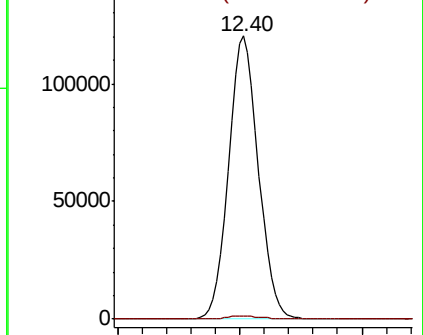
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 97.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050297.D

Acq: 3 Aug 2018 5:52

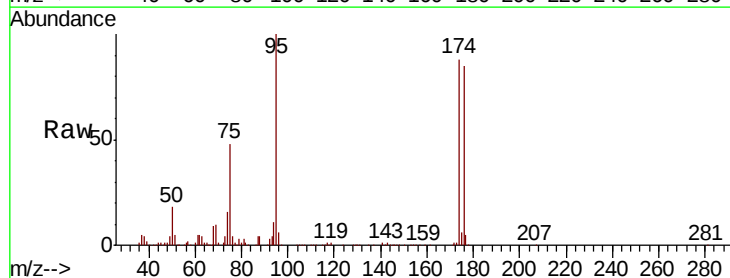
Tgt Ion: 75 Resp: 204336

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

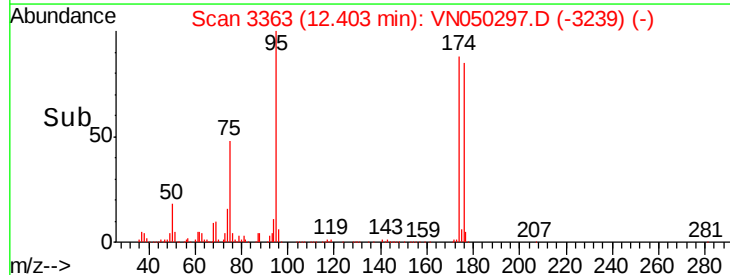
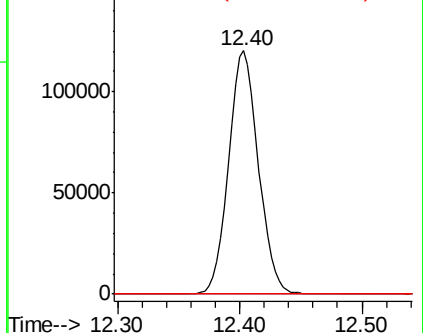
89 0.0 36.0 54.0#

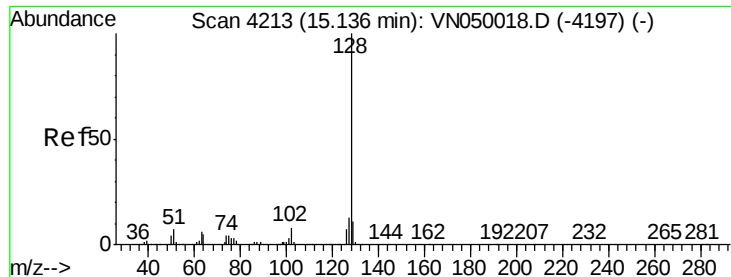


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
Naphthalene
Concen: 4.47 ug/l
RT: 15.15 min Scan# 4217
Delta R.T. 0.01 min
Lab File: VN050297.D
Acq: 3 Aug 2018 5:52

Instrument :
MSVOA_N
ClientSampleId :
MW-A18

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

