

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050629.D
 Acq On : 15 Aug 2018 3:07
 Operator : MD\SY
 Sample : J4465-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Quant Time: Aug 15 07:28:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	592225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	844926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	401647	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	7.59	113	383120	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	1347020	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	370705	39.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.16%	

Target Compounds

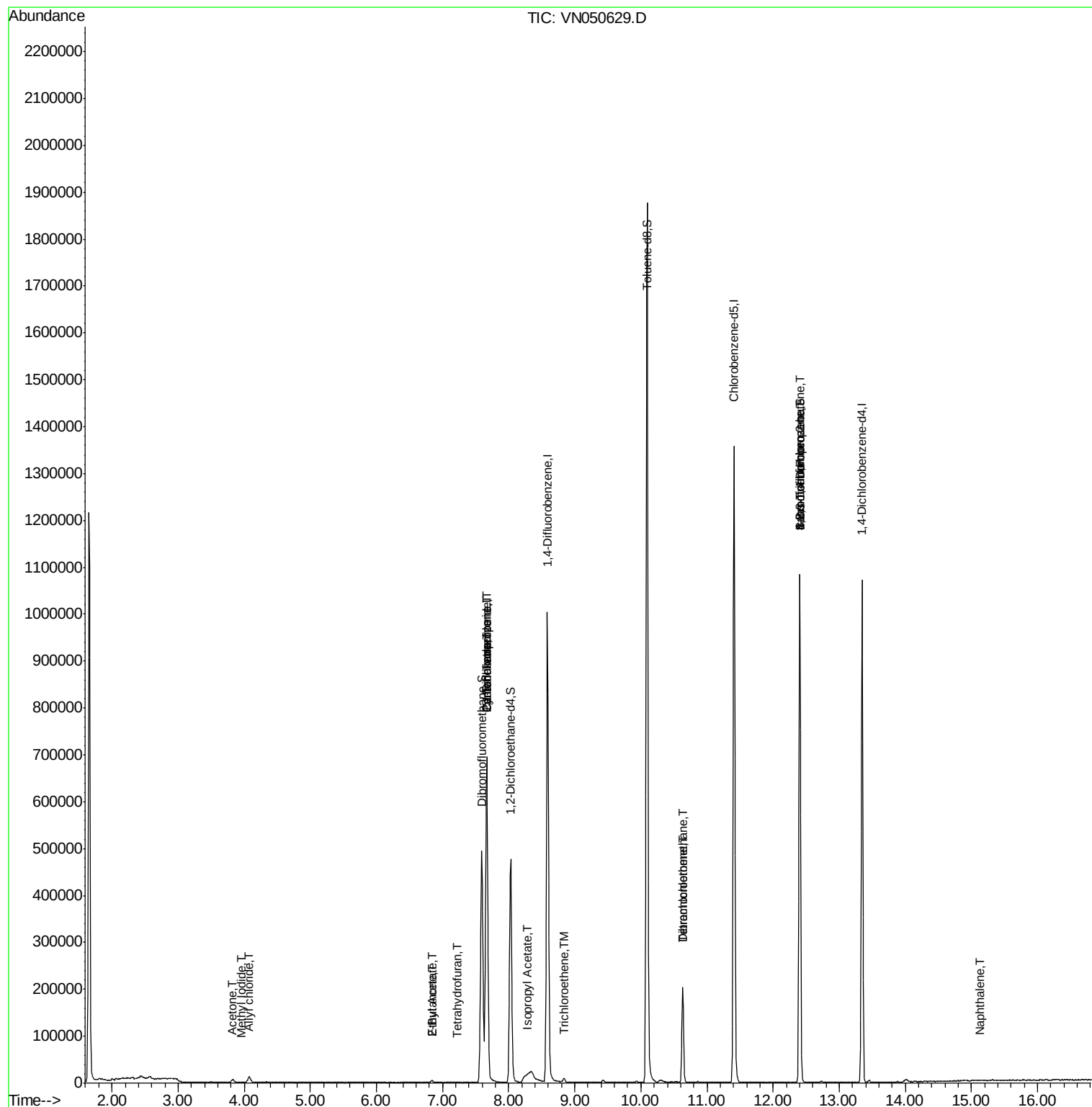
						Qvalue
3) Chloromethane	2.06	50	2927	Below Cal		99
5) Bromomethane	2.57	94	3335	Below Cal	#	80
6) Chloroethane	2.70	64	128	Below Cal	#	43
10) Methyl Iodide	3.95	142	1002	7.121	ug/l #	58
14) Allyl chloride	4.08	41	2317	0.232	ug/l #	70
16) Acetone	3.82	43	12229	5.141	ug/l #	81
18) Methyl Acetate	4.34	43	3741	Below Cal	#	62
20) Methylene Chloride	4.56	84	1223	Below Cal		86
25) 2-Butanone	6.85	43	1845	0.603	ug/l	98
29) Tetrahydrofuran	7.22	42	569	0.356	ug/l #	60
31) Cyclohexane	7.66	56	10778	0.611	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41701	3.970	ug/l #	48
37) Ethyl Acetate	6.85	43	1845	0.311	ug/l #	14
38) Carbon Tetrachloride	7.67	117	54257	4.979	ug/l #	17
43) Isopropyl Acetate	8.27	43	18254	1.687	ug/l #	60
44) Trichloroethene	8.84	130	2740	0.320	ug/l	78
60) Dibromochloromethane	10.63	129	45737	5.814	ug/l #	10
64) Tetrachloroethene	10.63	164	50003	6.372	ug/l	97
71) Bromoform	12.40	173	3134	0.600	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	112	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	176971	36.259	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	176971	131.255	ug/l #	13
95) Naphthalene	15.13	128	133	3.872	ug/l #	69

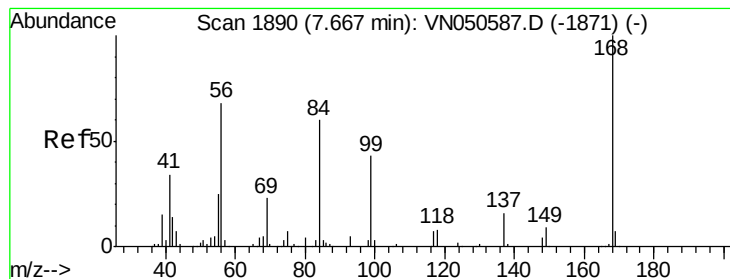
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampled :

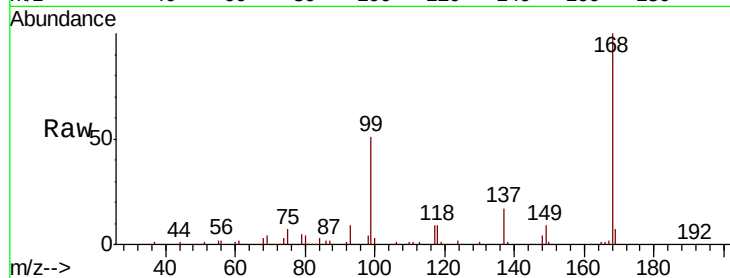
948-MW-15(17)

Tgt Ion:168 Resp: 592225

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

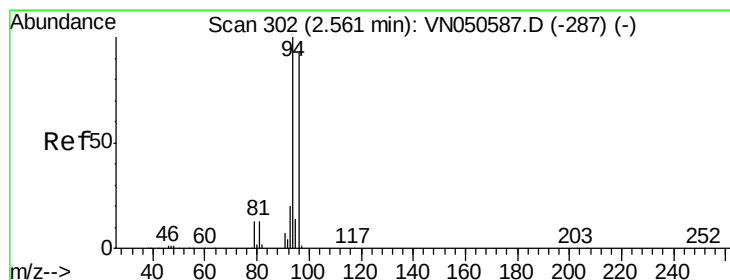
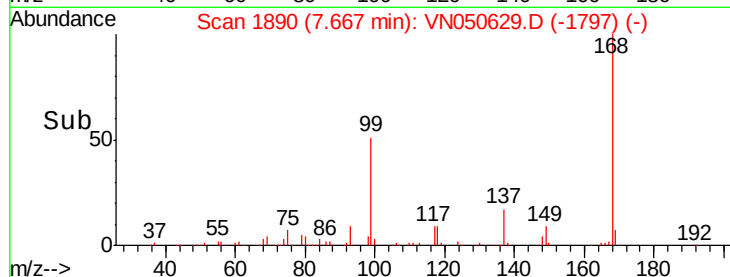
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050629.D

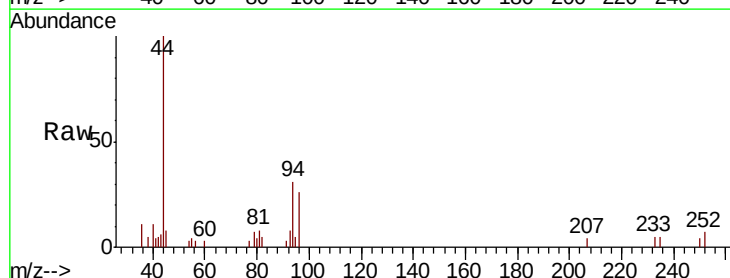
Acq: 15 Aug 2018 3:07

Tgt Ion: 94 Resp: 3335

Ion Ratio Lower Upper

94 100

96 73.1 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.57

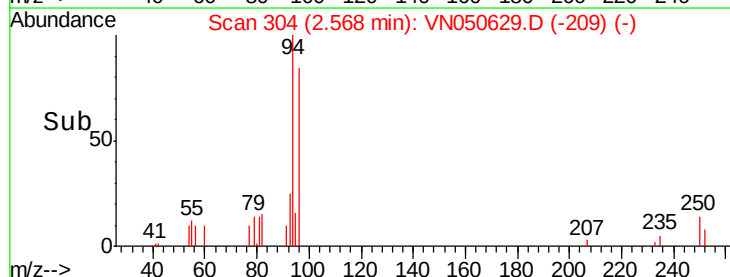
1500

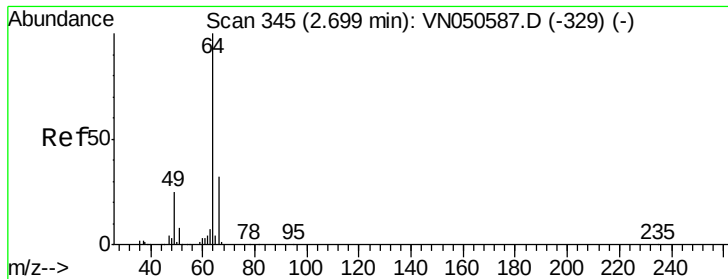
1000

500

0

Time--> 2.50 2.55 2.60





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

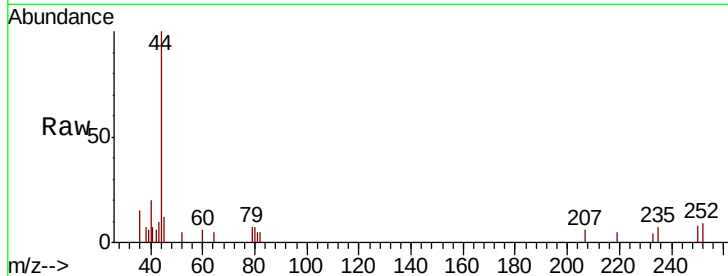
948-MW-15(17)

Tgt Ion: 64 Resp: 128

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

150

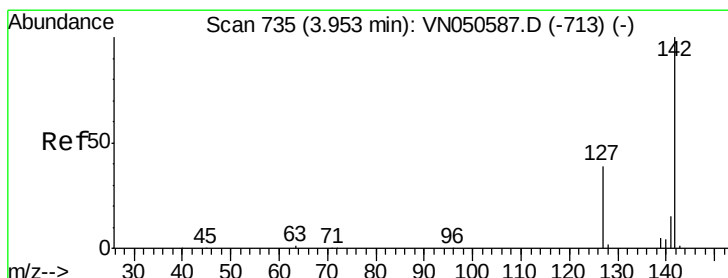
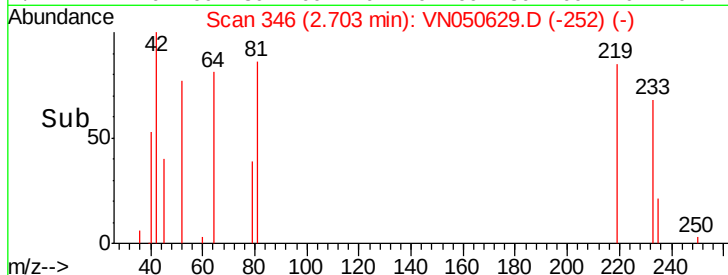
100

50

0

2.69 2.70 2.71

Time-->



#10

Methyl Iodide

Concen: 7.121 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

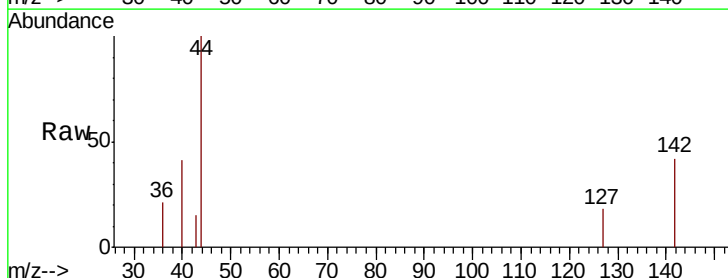
Tgt Ion: 142 Resp: 1002

Ion Ratio Lower Upper

142 100

127 12.9 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

300

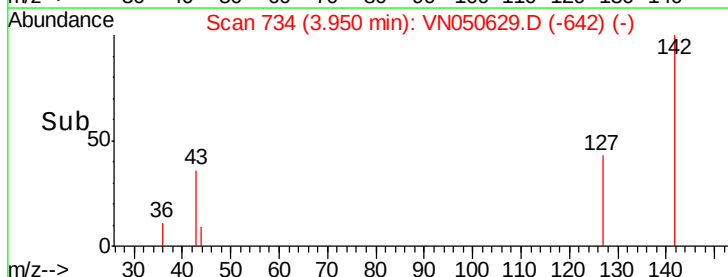
200

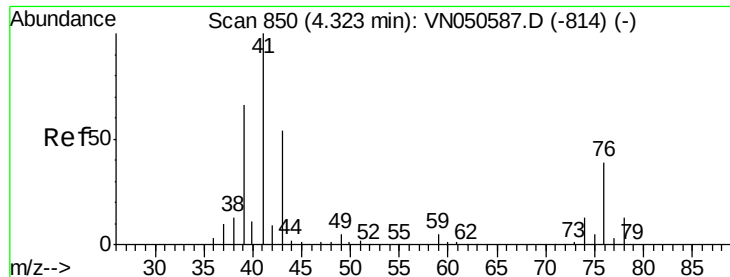
100

0

3.90 3.95 4.00

Time-->

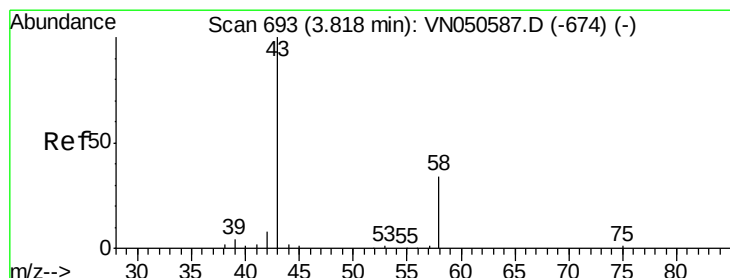
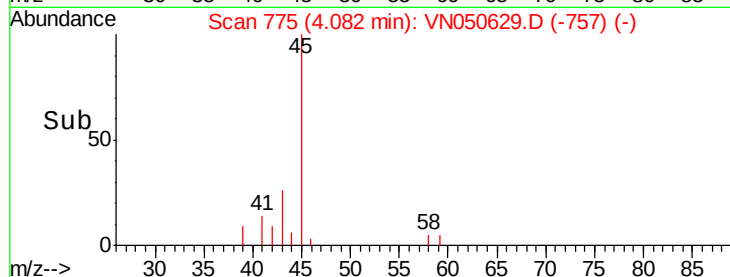
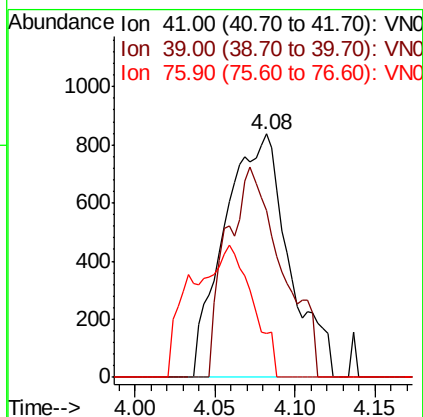
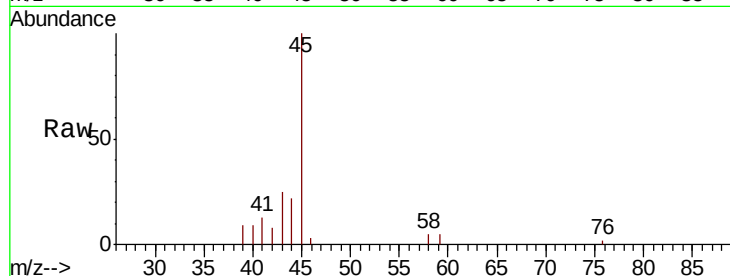




#14
 Allyl chloride
 Concen: 0.232 ug/l
 RT: 4.08 min Scan# 775
 Delta R.T. -0.24 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

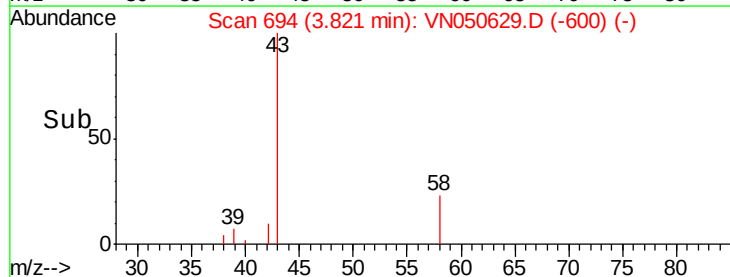
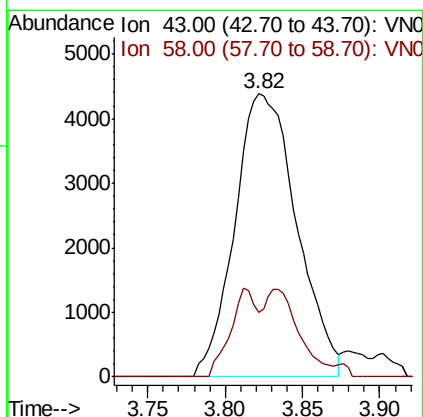
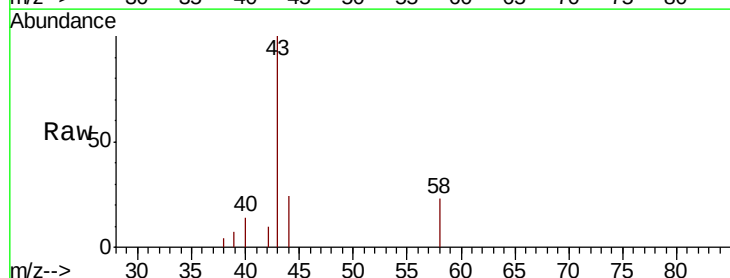
Instrument :
 MSVOA_N
 ClientSampled :
 948-MW-15(17)

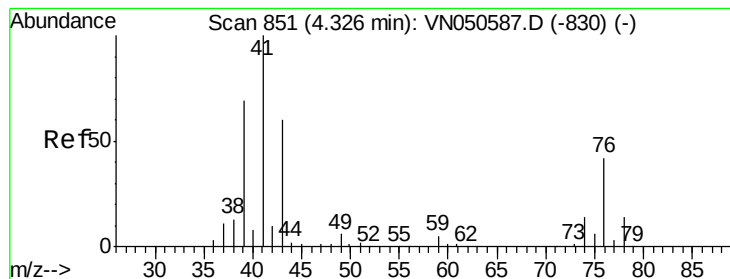
Tgt Ion: 41 Resp: 2317
 Ion Ratio Lower Upper
 41 100
 39 73.8 51.4 77.0
 76 0.0 29.4 44.0#



#16
 Acetone
 Concen: 5.141 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

Tgt Ion: 43 Resp: 12229
 Ion Ratio Lower Upper
 43 100
 58 22.9 27.1 40.7#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

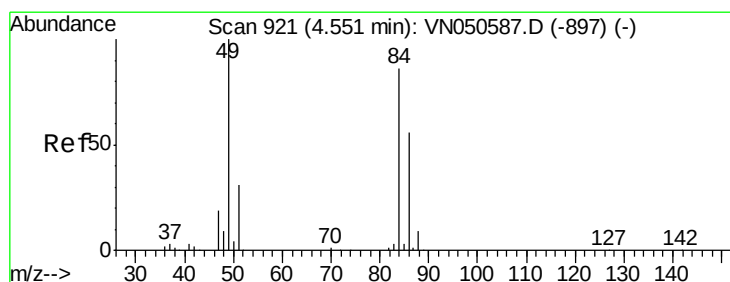
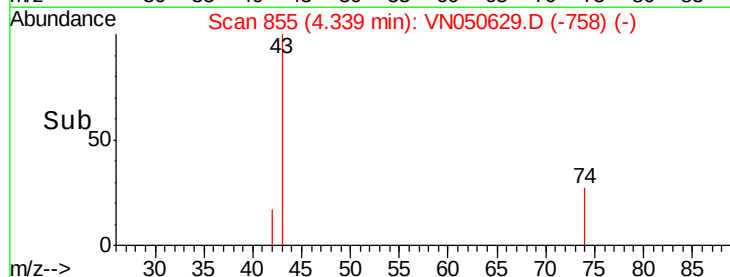
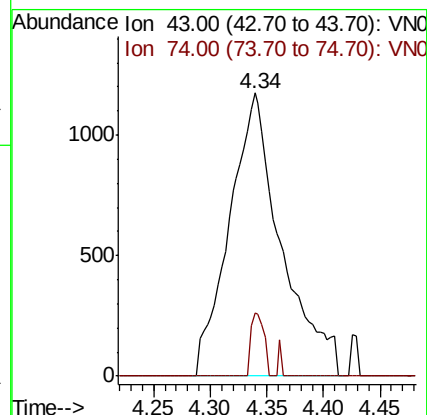
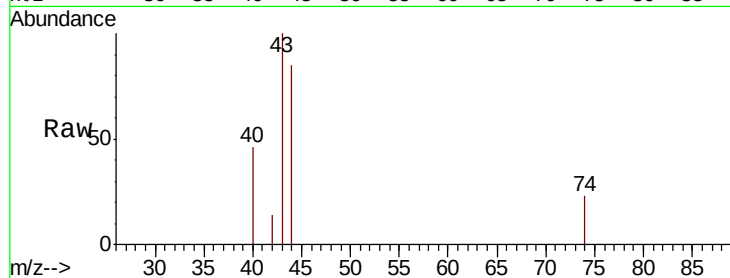
948-MW-15(17)

Tgt Ion: 43 Resp: 3741

Ion Ratio Lower Upper

43 100

74 5.7 19.7 29.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Tgt Ion: 84 Resp: 1223

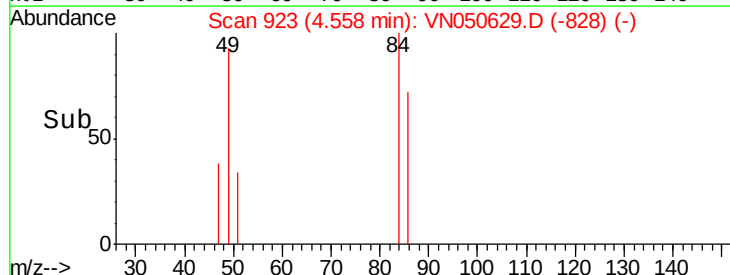
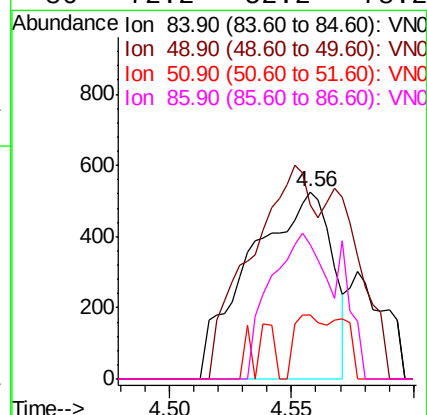
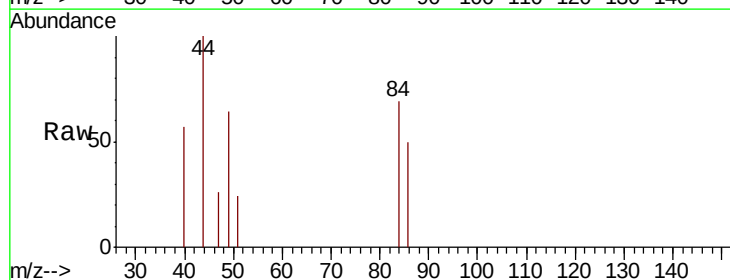
Ion Ratio Lower Upper

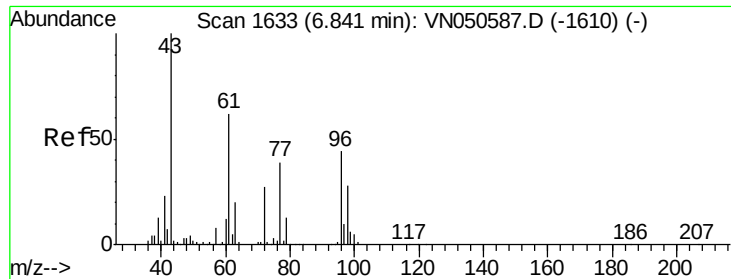
84 100

49 93.0 92.6 138.8

51 34.5 28.6 43.0

86 72.2 52.2 78.2

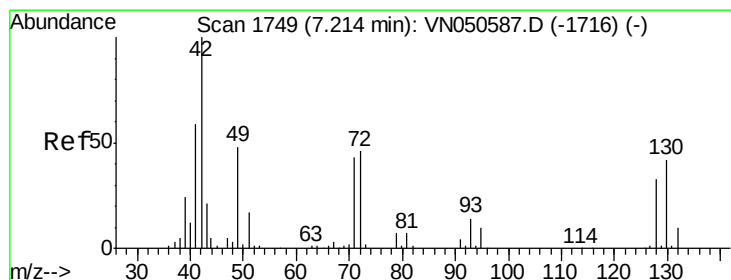
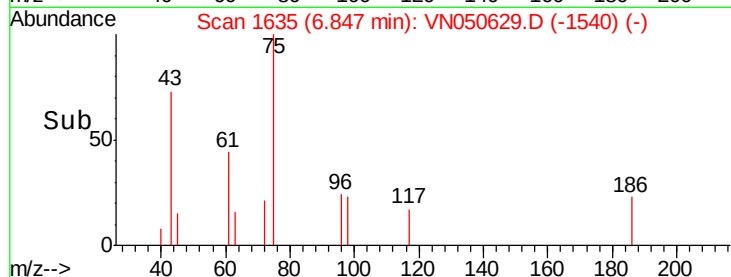
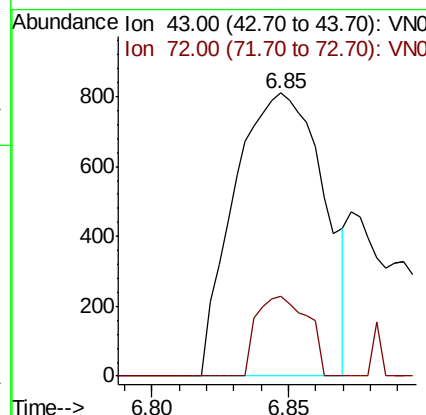
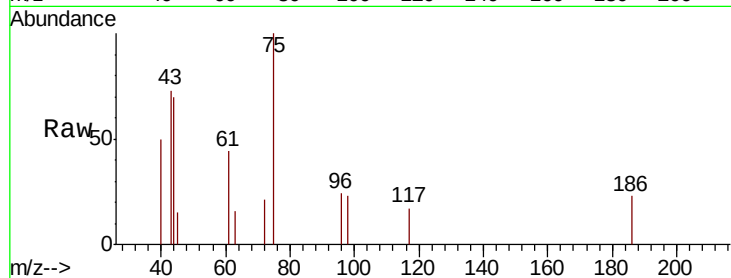




#25
2-Butanone
Concen: 0.603 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN050629.D
Acq: 15 Aug 2018 3:07

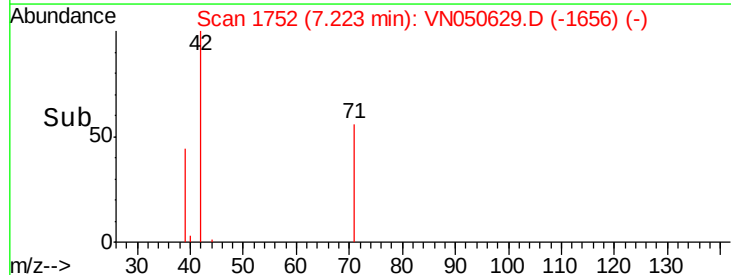
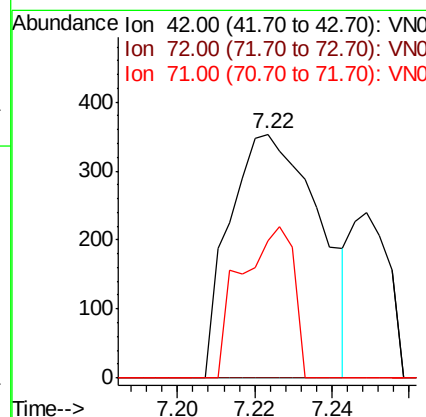
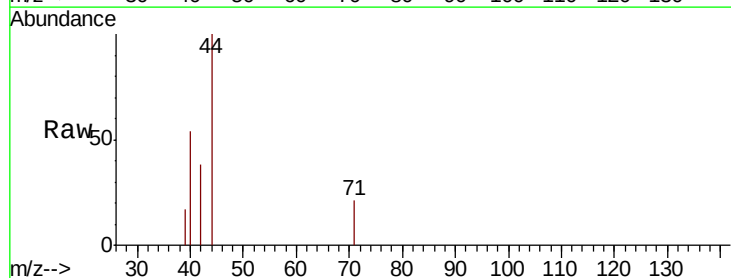
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MSVOA_N
ClientSampleId :
948-MW-15(17)

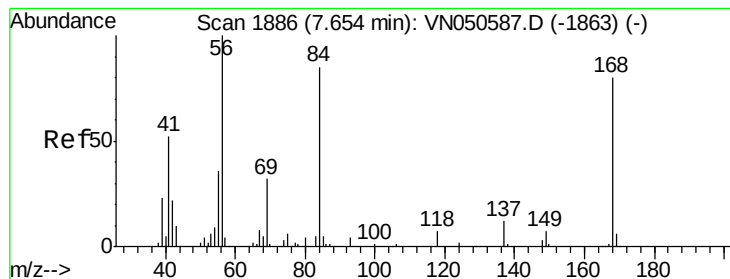
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
72 28.4 21.8 32.6



#29
Tetrahydrofuran
Concen: 0.356 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050629.D
Acq: 15 Aug 2018 3:07

Tgt Ion: 42 Resp: 569
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.6#
71 36.4 33.4 50.0





#31

Cyclohexane

Concen: 0.611 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

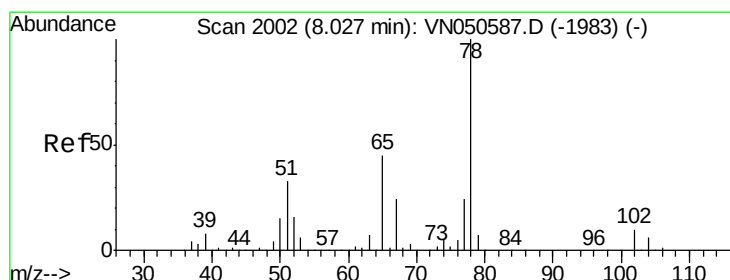
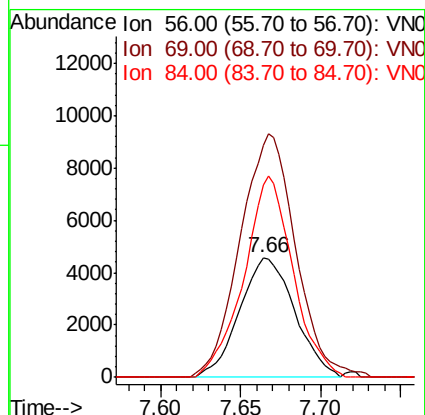
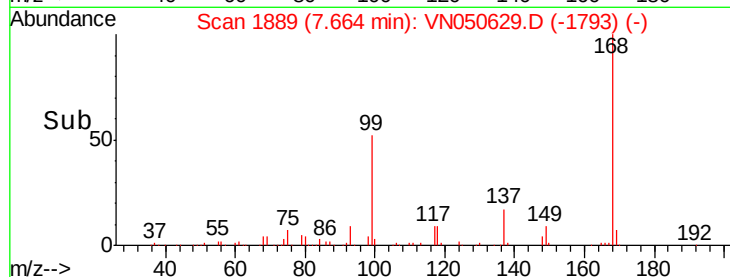
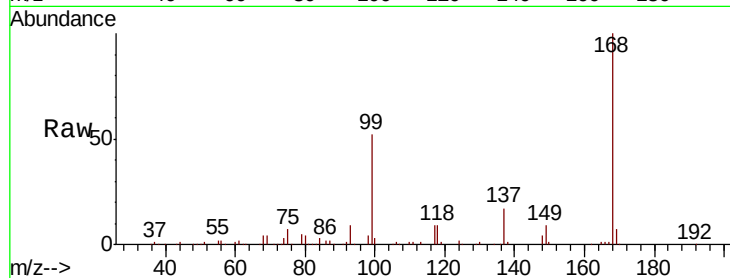
Tgt Ion: 56 Resp: 10778

Ion Ratio Lower Upper

56 100

69 194.9 25.8 38.6#

84 161.6 67.8 101.6#



#33

1,2-Dichloroethane-d4

Concen: 53.804 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050629.D

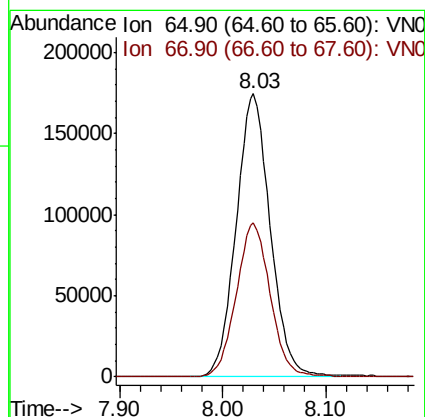
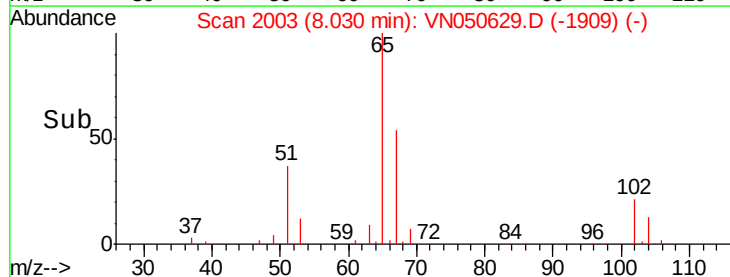
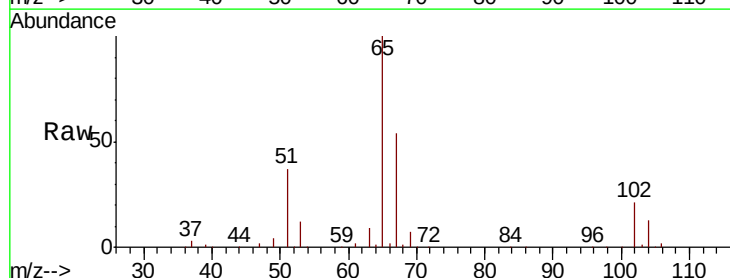
Acq: 15 Aug 2018 3:07

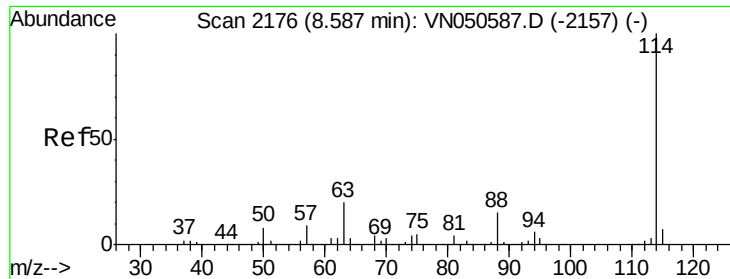
Tgt Ion: 65 Resp: 401647

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.8

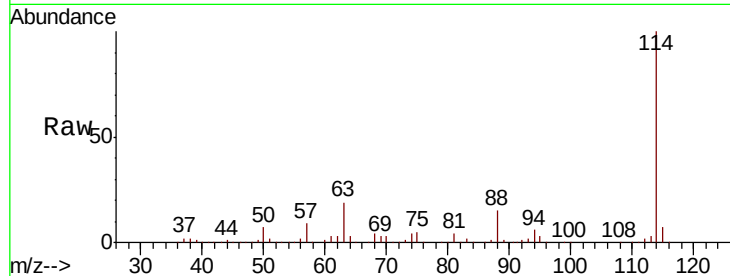




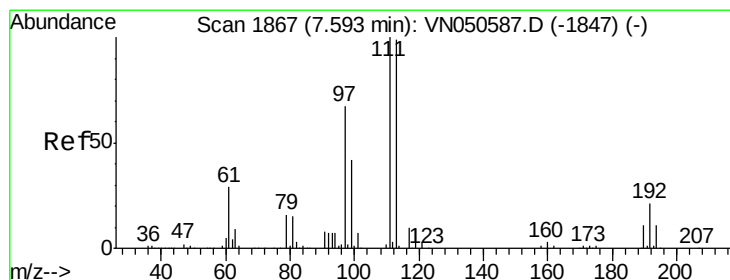
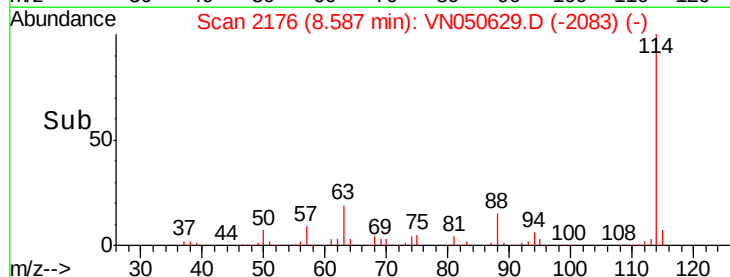
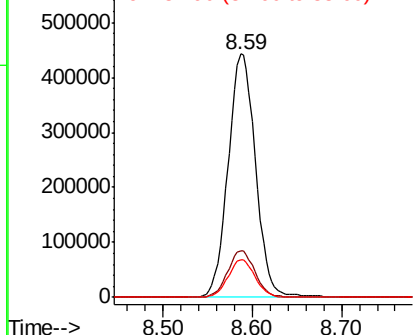
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.0
88	15.5	0.0	30.8

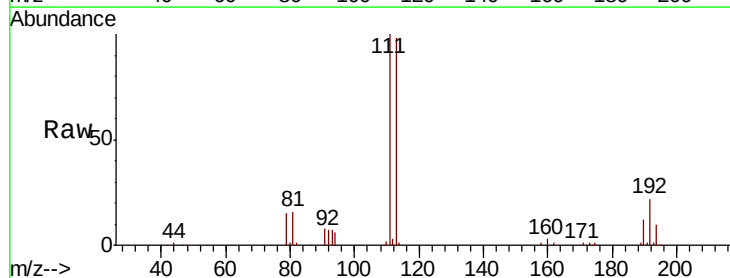


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

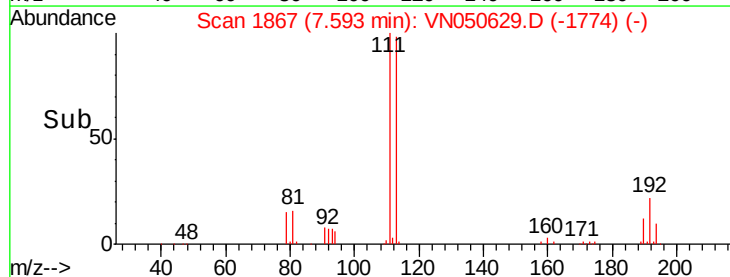
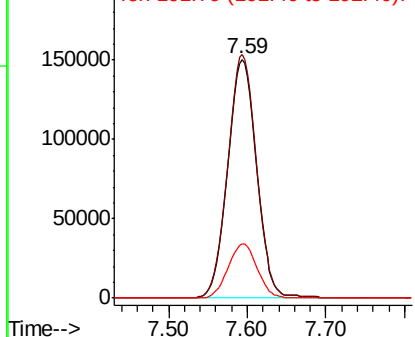


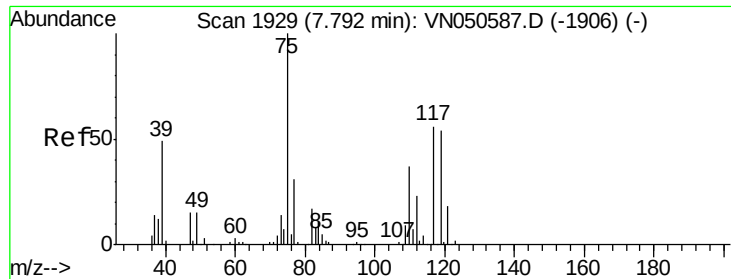
#35
 Dibromofluoromethane
 Concen: 50.853 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	22.8	17.6	26.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

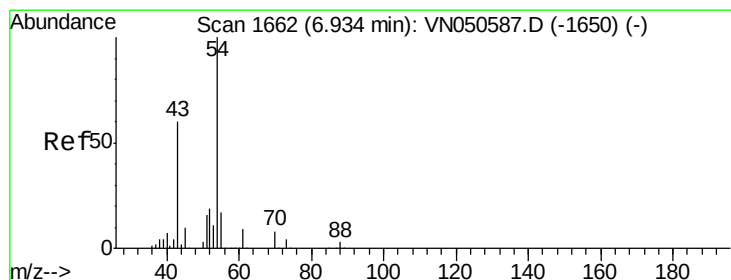
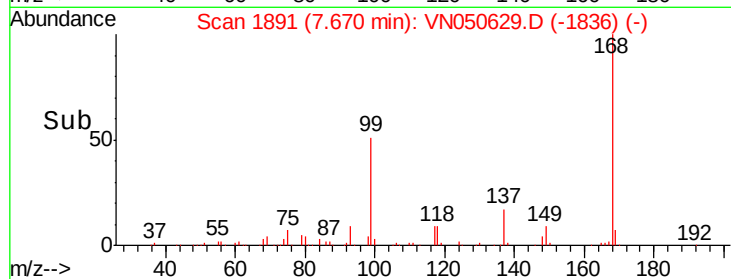
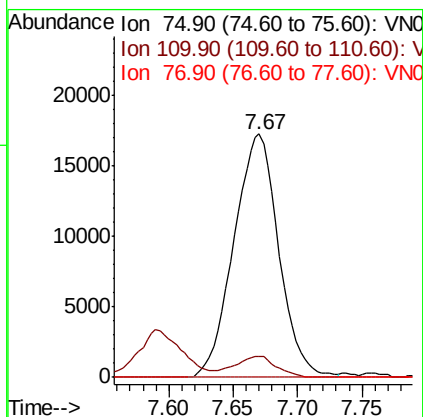
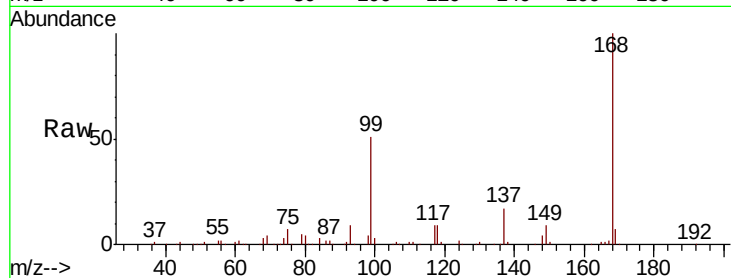




#36
 1,1-Dichloropropene
 Concen: 3.970 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

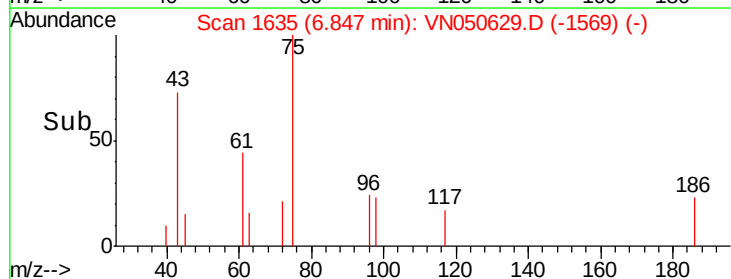
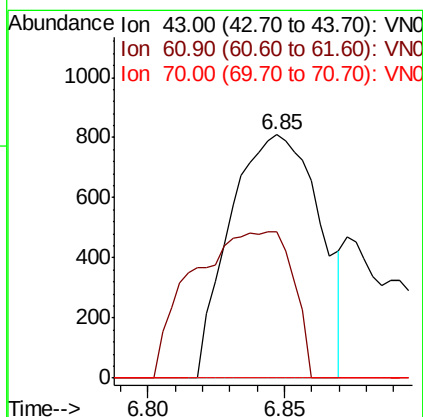
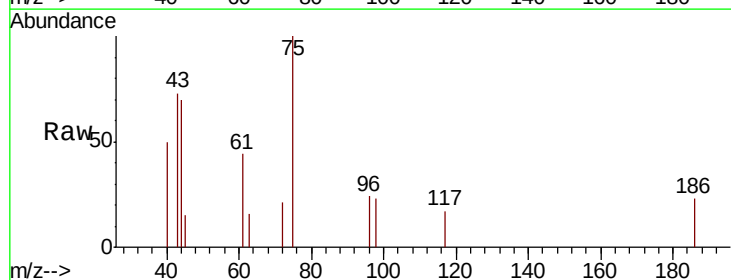
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

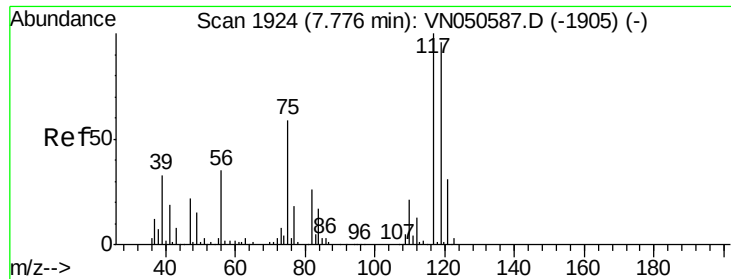
Tgt Ion: 75 Resp: 41701
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.3 54.9#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.311 ug/l
 RT: 6.85 min Scan# 1635
 Delta R.T. -0.09 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

Tgt Ion: 43 Resp: 1845
 Ion Ratio Lower Upper
 43 100
 61 67.4 12.0 18.0#
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 4.979 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

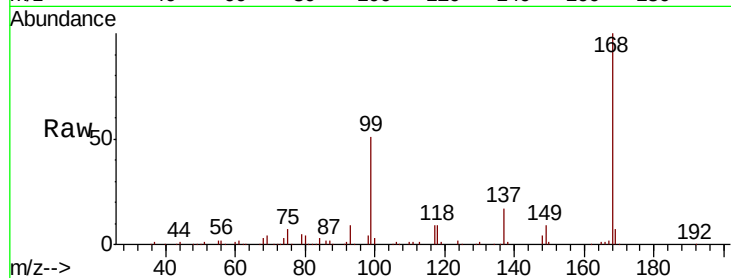
Tgt Ion:117 Resp: 54257

Ion Ratio Lower Upper

117 100

119 6.5 76.6 115.0#

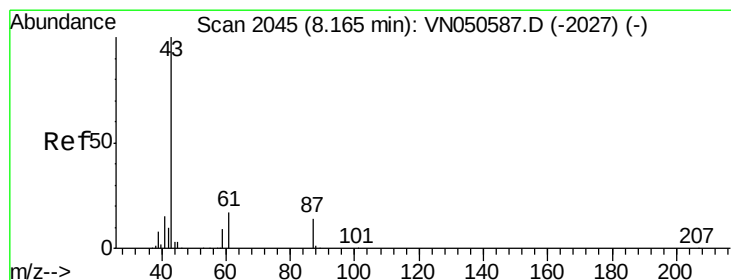
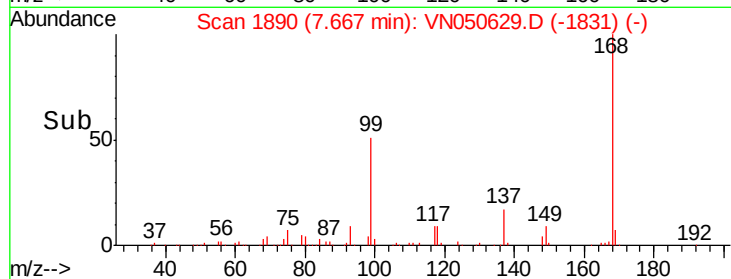
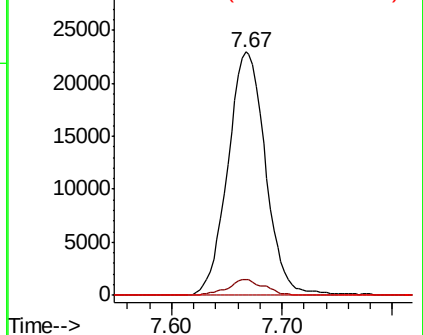
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.687 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.11 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

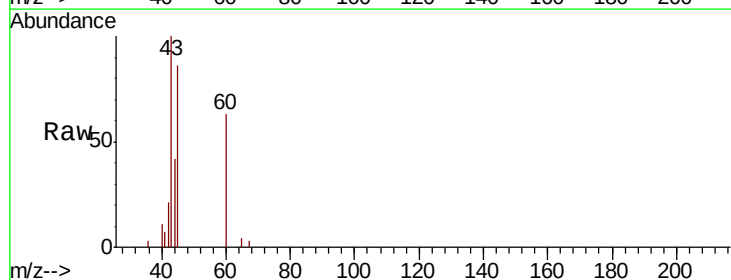
Tgt Ion: 43 Resp: 18254

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

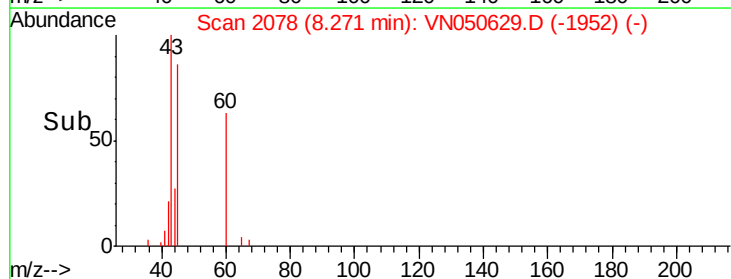
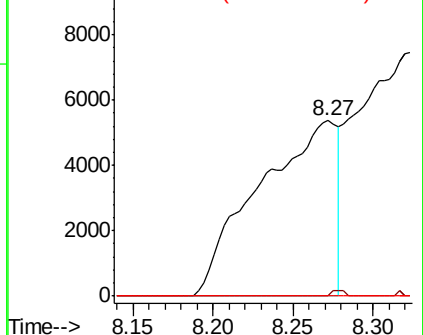
87 0.0 10.9 16.3#

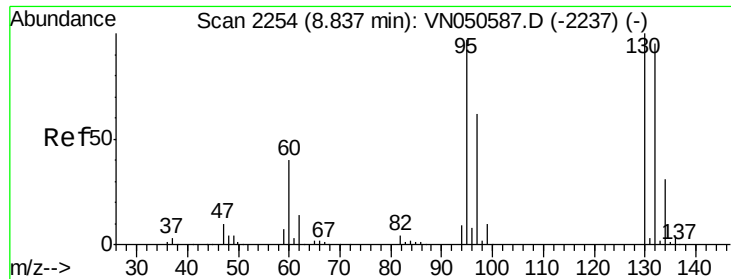


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 0.320 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

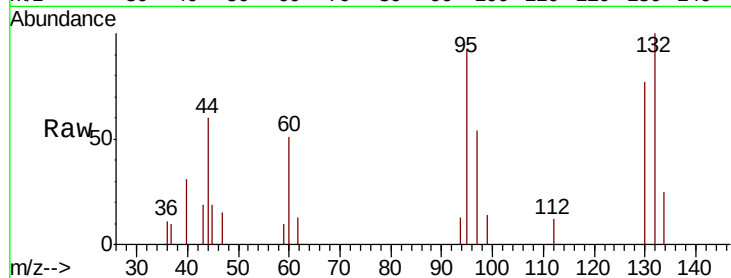
948-MW-15(17)

Tgt Ion:130 Resp: 2740

Ion Ratio Lower Upper

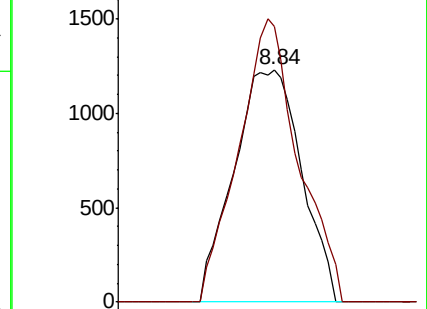
130 100

95 118.4 0.0 193.8

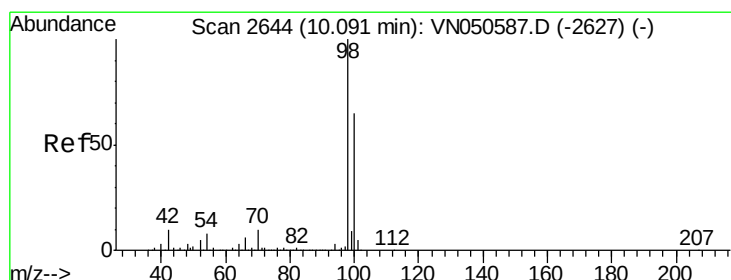
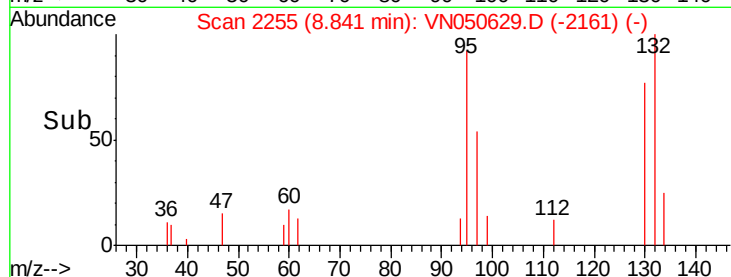


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



Time-->



#50

Toluene-d8

Concen: 47.507 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050629.D

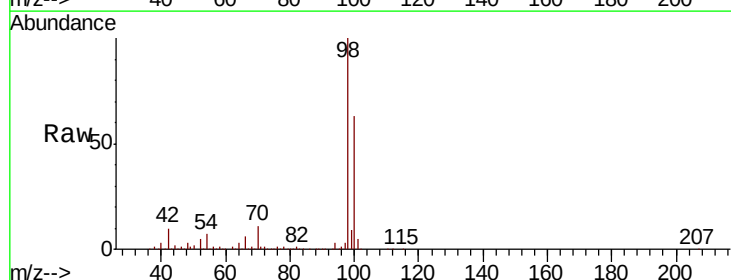
Acq: 15 Aug 2018 3:07

Tgt Ion: 98 Resp: 1347020

Ion Ratio Lower Upper

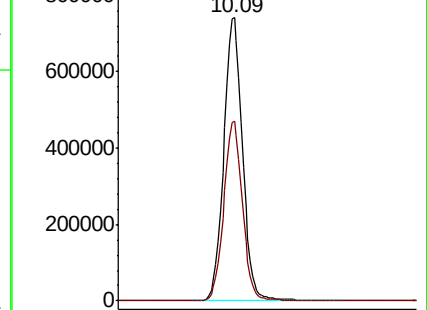
98 100

100 63.4 51.8 77.8

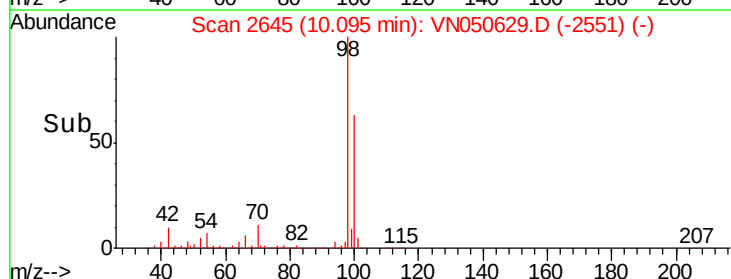


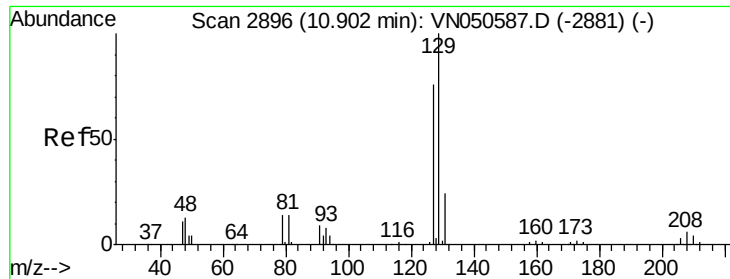
Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN



Time-->

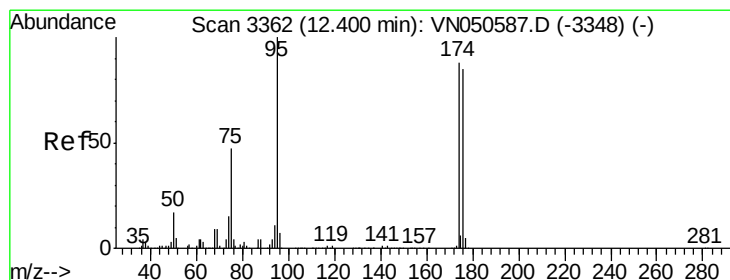
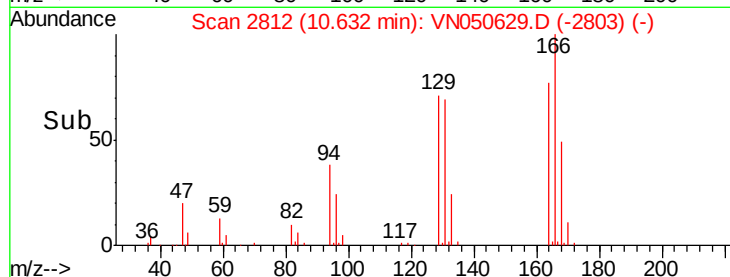
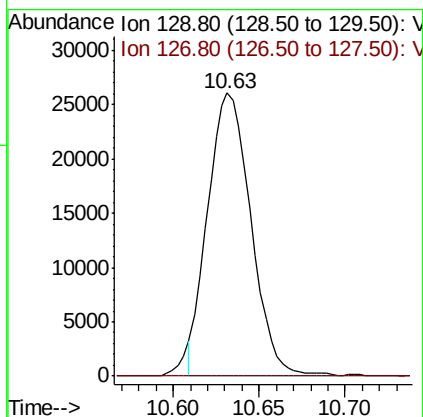
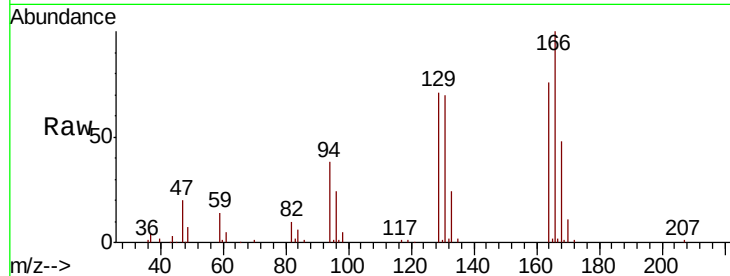




#60
 Dibromochloromethane
 Concen: 5.814 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.27 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

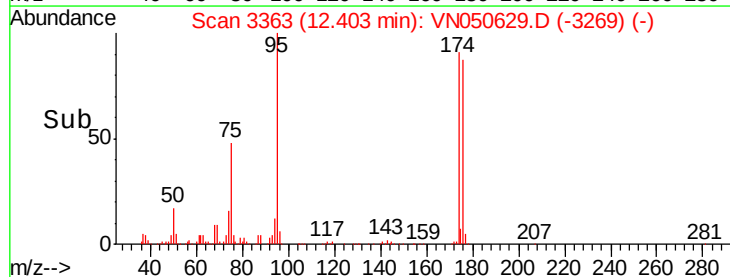
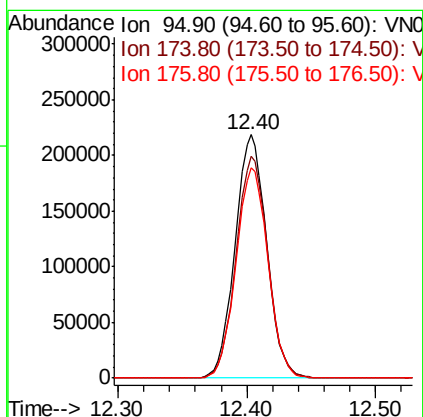
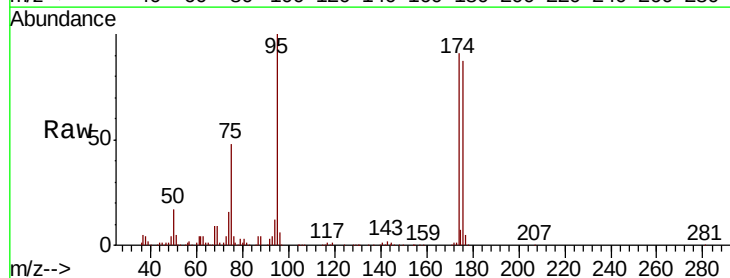
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

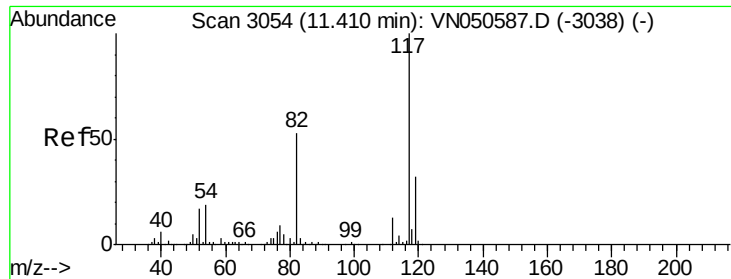
Tgt Ion: 129 Resp: 45737
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 39.575 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050629.D
 Acq: 15 Aug 2018 3:07

Tgt Ion: 95 Resp: 370705
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 177.8
 176 87.7 0.0 175.0

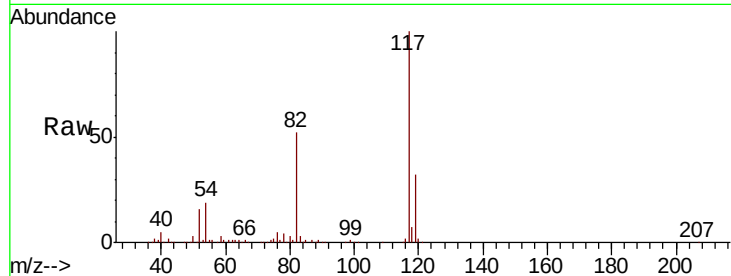




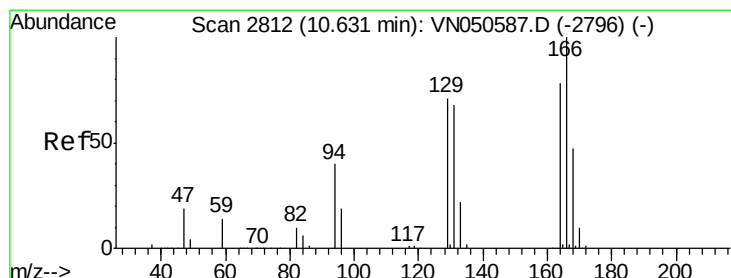
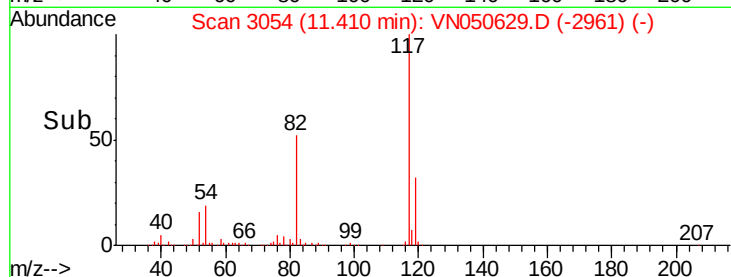
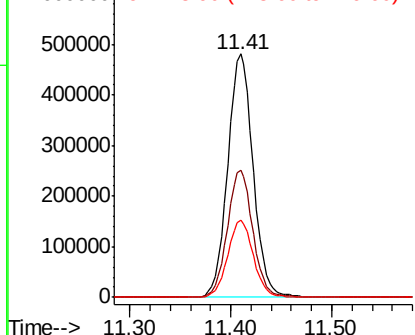
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050629.D
Acq: 15 Aug 2018 3:07

Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

Tgt Ion:117 Resp: 844926
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 31.8 25.8 38.8

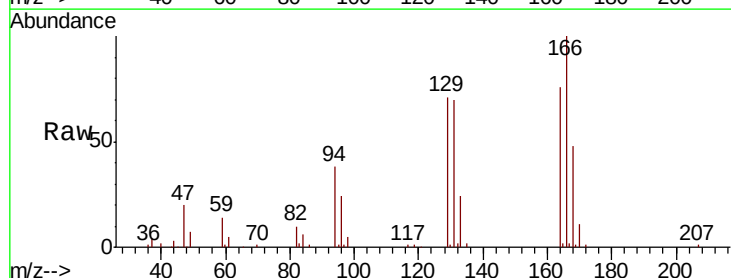


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

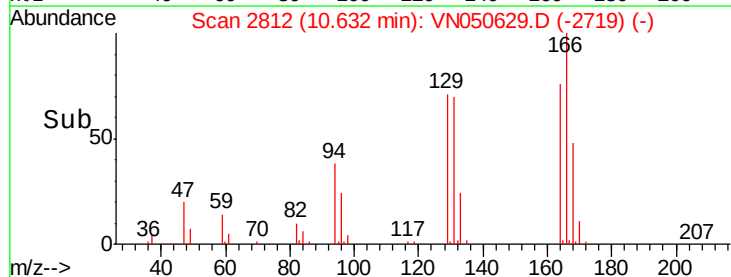
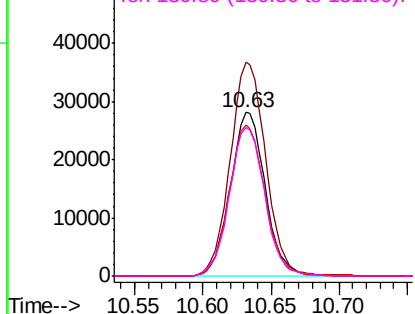


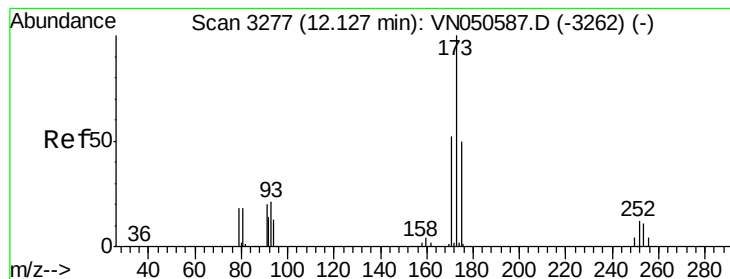
#64
Tetrachloroethene
Concen: 6.372 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050629.D
Acq: 15 Aug 2018 3:07

Tgt Ion:164 Resp: 50003
Ion Ratio Lower Upper
164 100
166 130.7 102.1 153.1
129 92.8 72.7 109.1
131 91.1 69.9 104.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.600 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

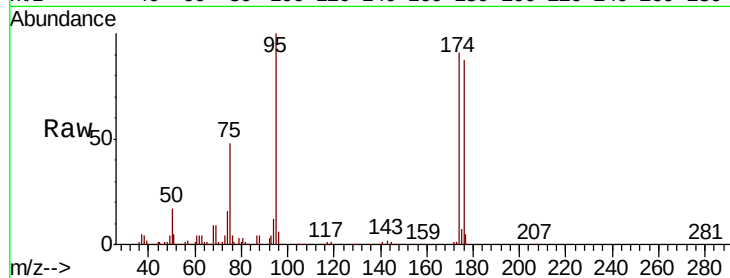
Tgt Ion:173 Resp: 3134

Ion Ratio Lower Upper

173 100

175 674.3 24.4 73.2#

254 0.0 0.0 0.0

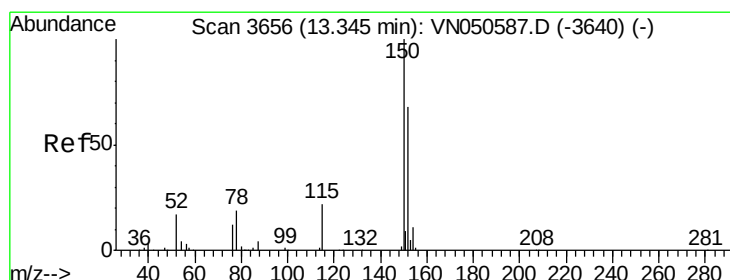
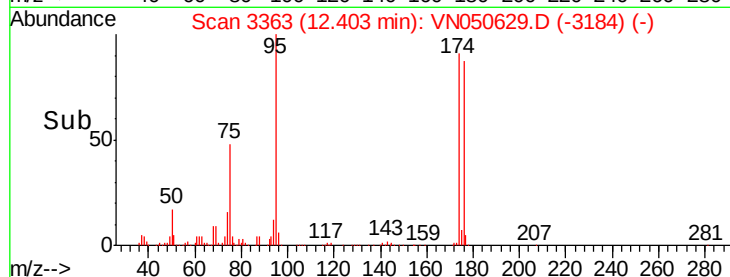
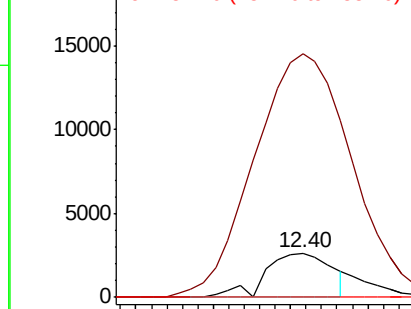


Abundance

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: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

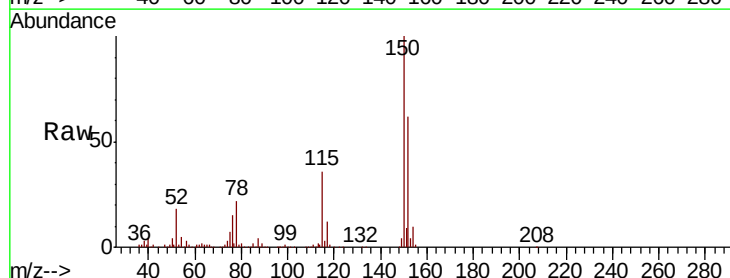
Tgt Ion:152 Resp: 299755

Ion Ratio Lower Upper

152 100

115 57.6 28.1 84.2

150 159.6 0.0 347.8

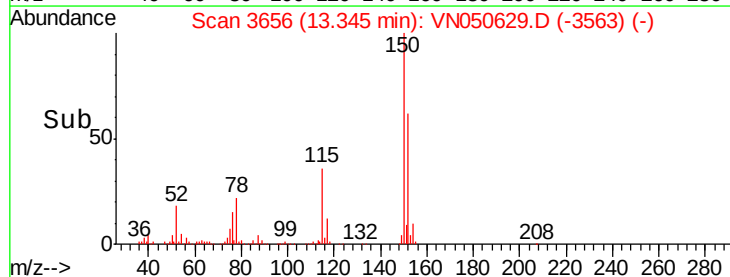
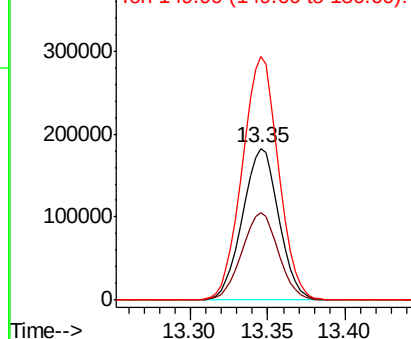


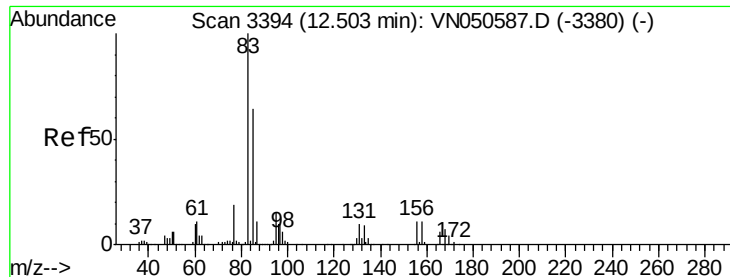
Abundance

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: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

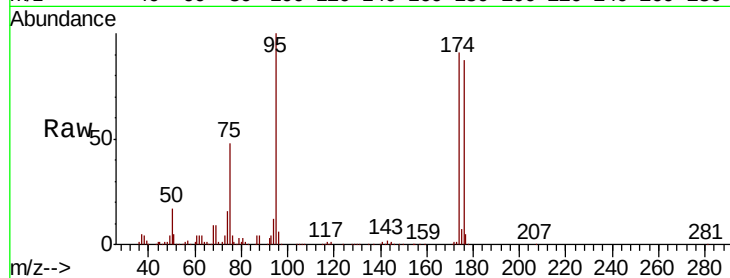
Tgt Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

131 272.3 5.3 15.9#

85 0.0 32.1 96.5#



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

400

300

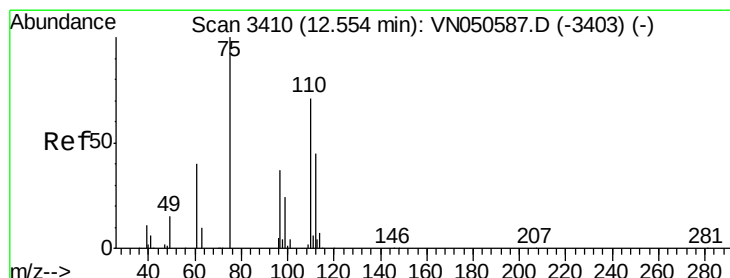
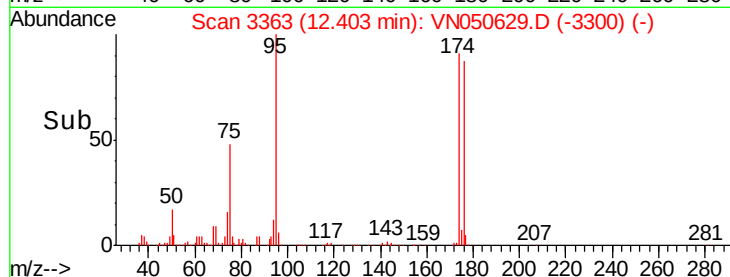
200

100

0

12.39 12.40 12.41

Time-->



#76

1,2,3-Trichloropropane

Concen: 36.259 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050629.D

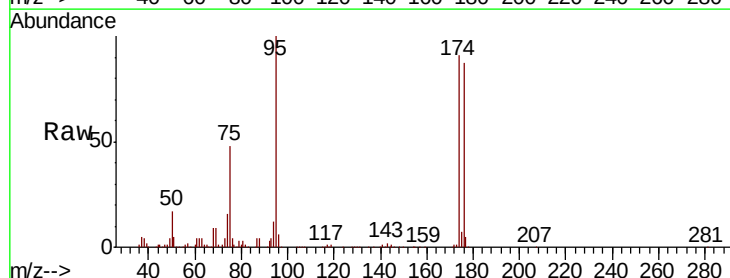
Acq: 15 Aug 2018 3:07

Tgt Ion: 75 Resp: 176971

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

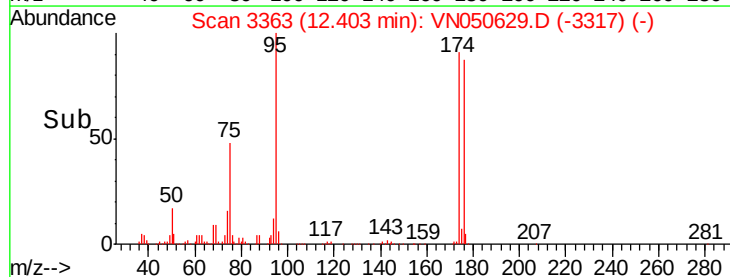
40000

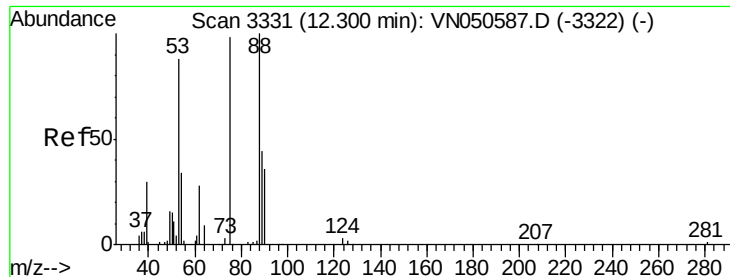
20000

0

12.40 12.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 131.255 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

Instrument :

MSVOA_N

ClientSampled :

948-MW-15(17)

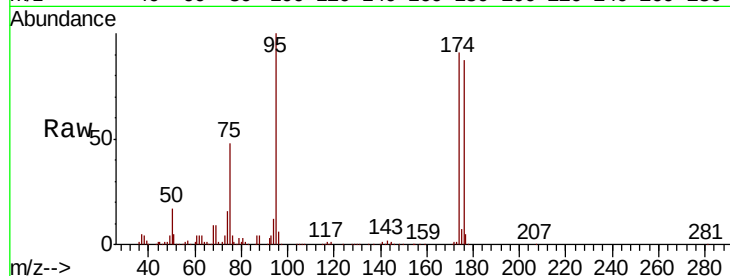
Tgt Ion: 75 Resp: 176971

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

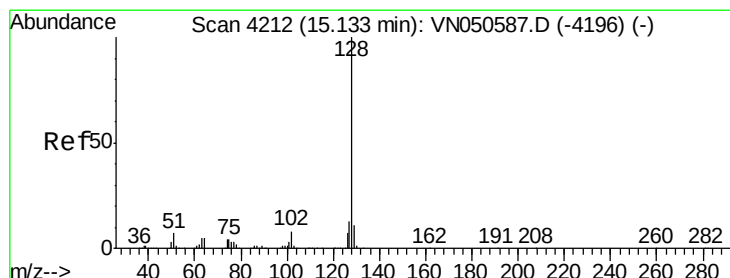
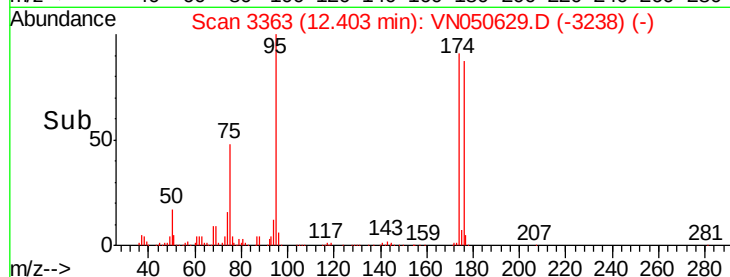
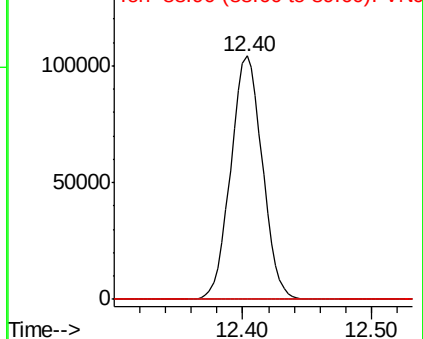
89 0.0 36.3 54.5#



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: 3.872 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN050629.D

Acq: 15 Aug 2018 3:07

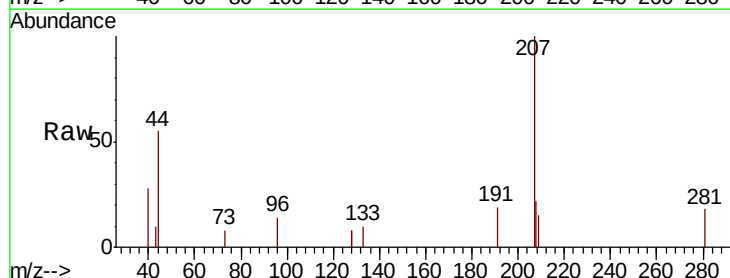
Tgt Ion: 128 Resp: 133

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.5 12.7#



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

