

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050195.D
 Acq On : 30 Jul 2018 18:27
 Operator : MD\SY
 Sample : J4221-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A29

Quant Time: Jul 31 01:13:59 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	634129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1040482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	861111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300622	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	447371	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
35) Dibromofluoromethane	7.59	113	397760	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	10.09	98	1417854	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
62) 4-Bromofluorobenzene	12.40	95	381953	37.14	ug/l	0.00
Spiked Amount			Recovery	=	74.28%	

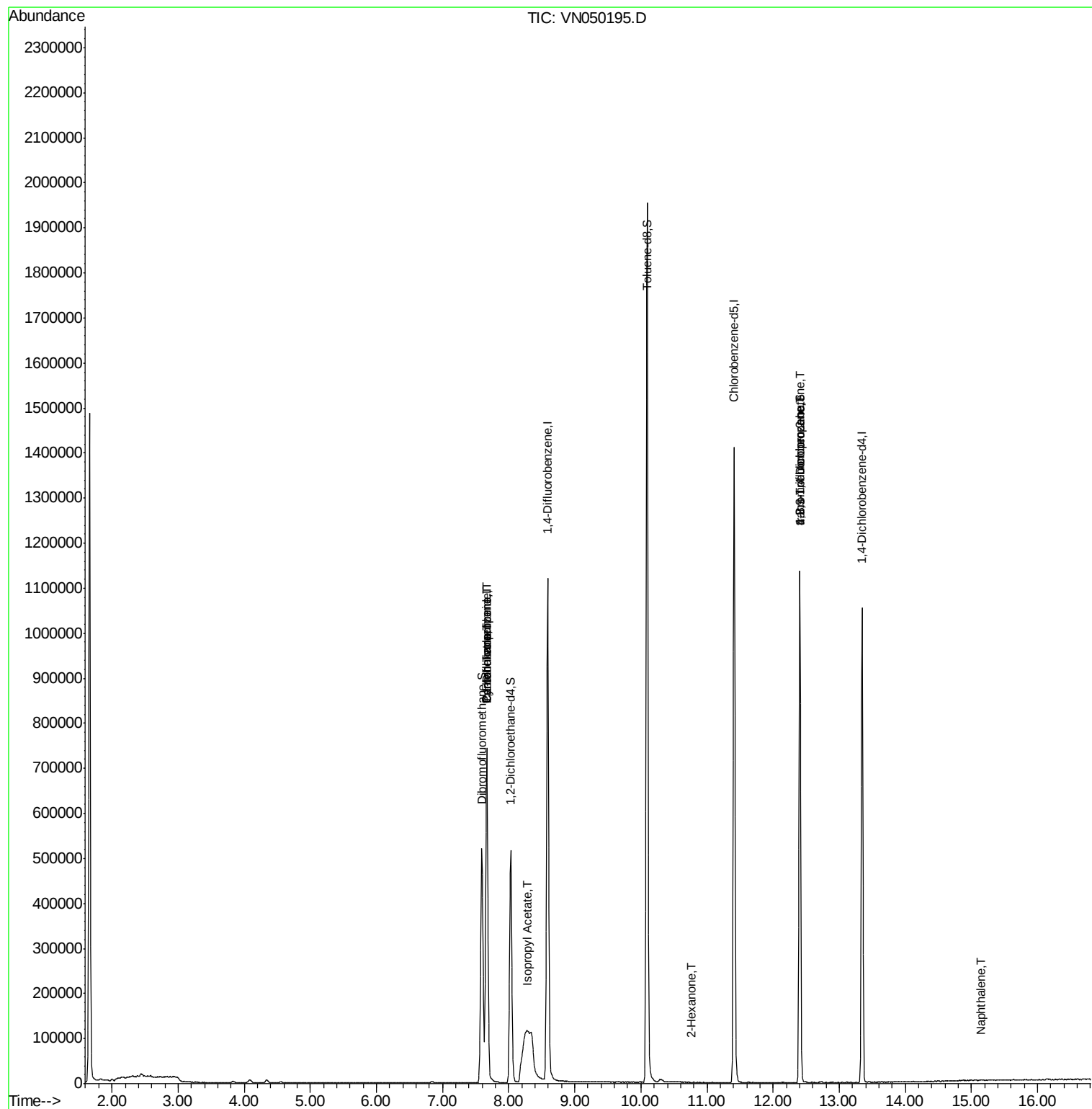
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	476	Below Cal		96
16) Acetone	3.83	43	7029	Below Cal	#	84
18) Methyl Acetate	4.34	43	12297	Below Cal		92
20) Methylene Chloride	4.56	84	1486	Below Cal	#	77
31) Cyclohexane	7.67	56	11666	0.89	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	44582	3.80	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	57080	4.59	ug/l	# 17
43) Isopropyl Acetate	8.28	43	252614	15.62	ug/l	# 61
59) 2-Hexanone	10.76	43	31	5.18	ug/l	# 24
75) 1,1,2,2-Tetrachloroethane	12.40	83	197	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	187111	33.49	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	187111	106.23	ug/l	# 13
95) Naphthalene	15.14	128	1606	4.52	ug/l	# 69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

Instrument :

MSVOA_N

ClientSampled :

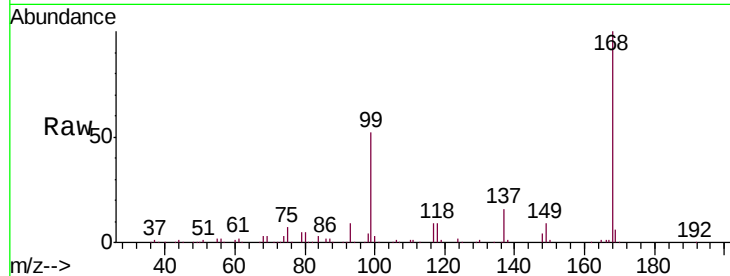
MW-A29

Tot Ion:168 Resp: 634129

Ion Ratio Lower Upper

168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

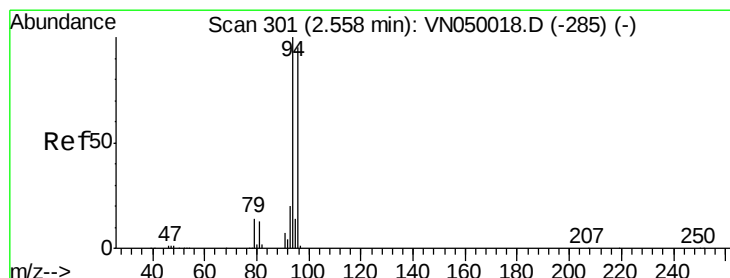
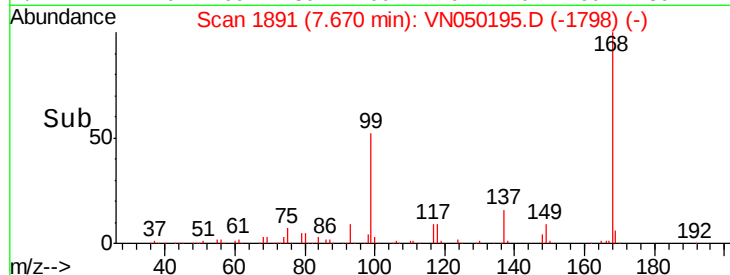
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050195.D

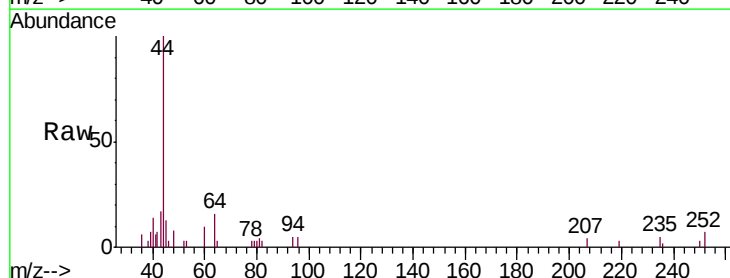
Acq: 30 Jul 2018 18:27

Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

94 100

96 97.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

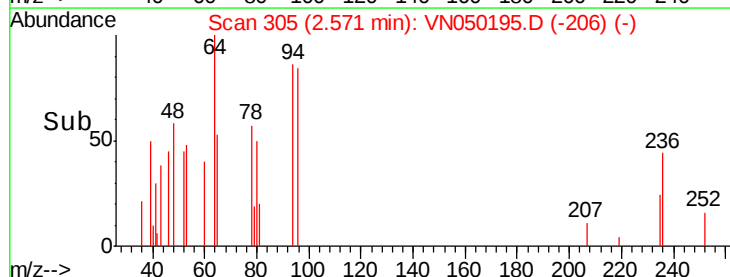
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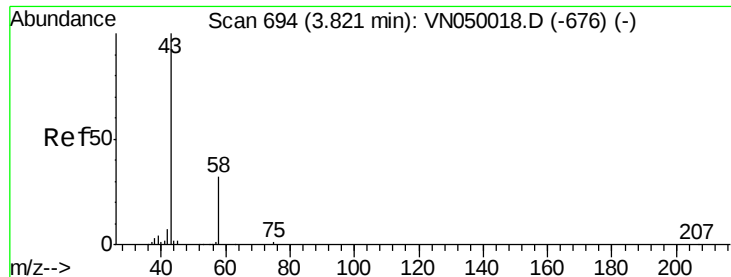
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

Instrument :

MSVOA_N

ClientSampled :

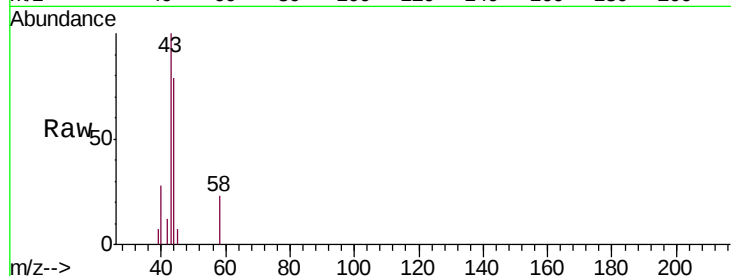
MW-A29

Tot Ion: 43 Resp: 7029

Ion Ratio Lower Upper

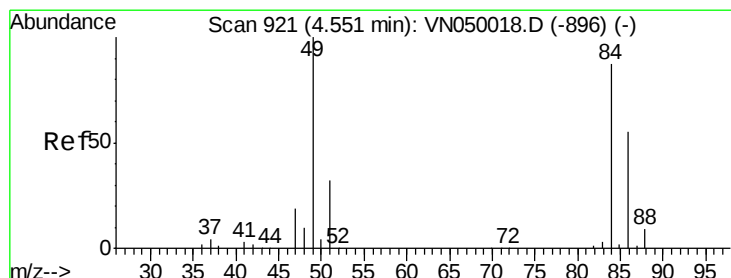
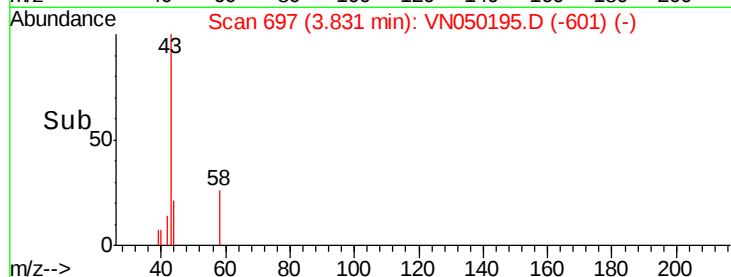
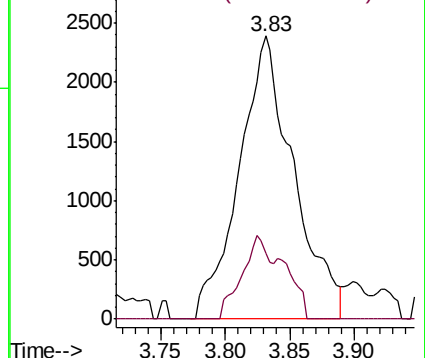
43 100

58 23.4 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

Tgt Ion: 84 Resp: 1486

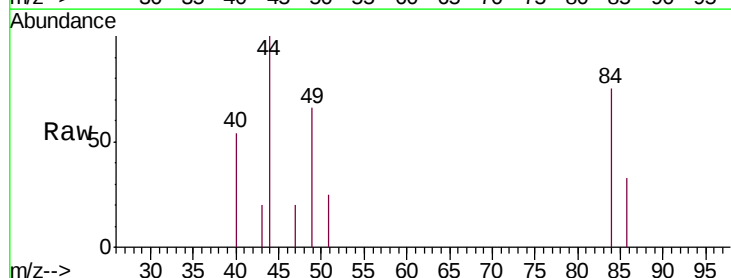
Ion Ratio Lower Upper

84 100

49 88.7 94.8 142.2#

51 32.9 28.3 42.5

86 44.4 51.0 76.6#

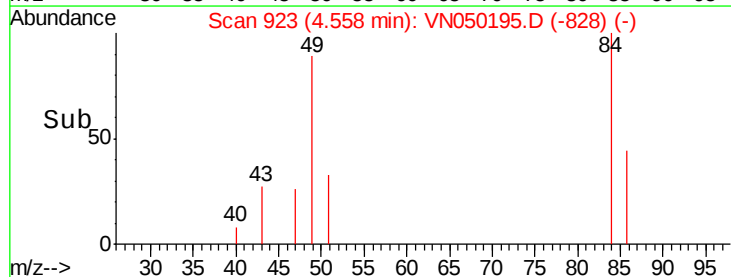
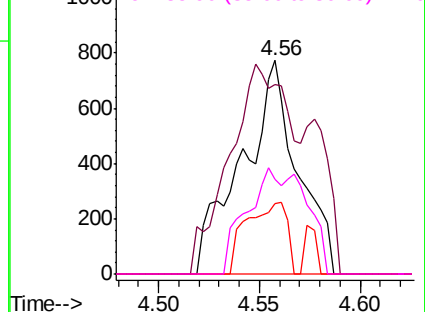


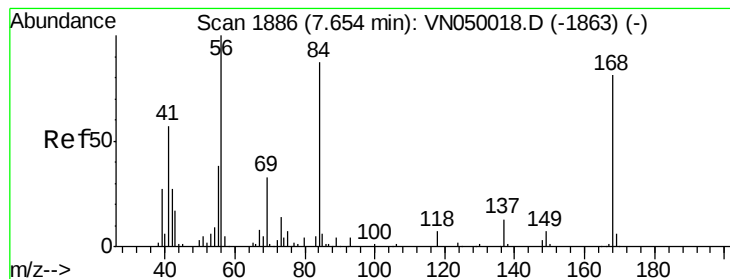
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

Instrument :

MSVOA_N

ClientSampled :

MW-A29

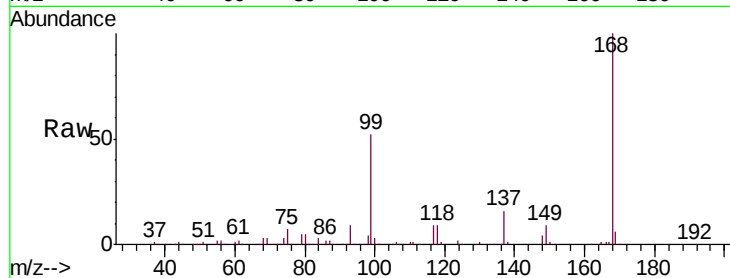
Tot Ion: 56 Resp: 11666

Ion Ratio Lower Upper

56 100

69 170.5 26.2 39.4#

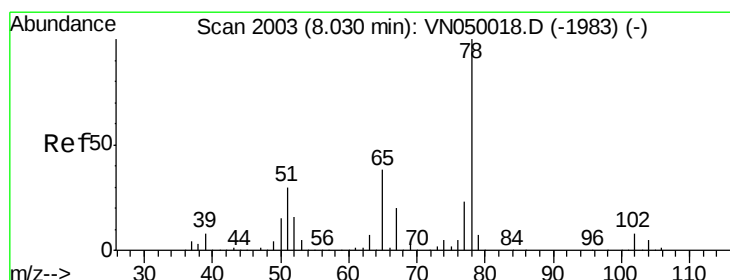
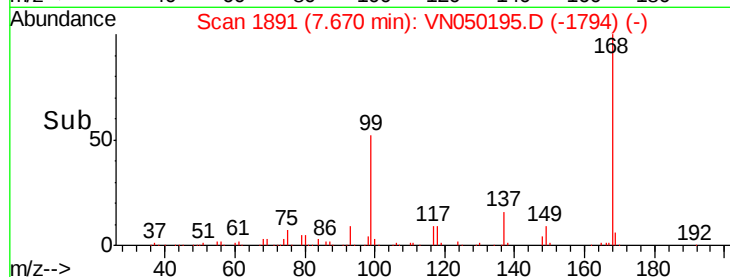
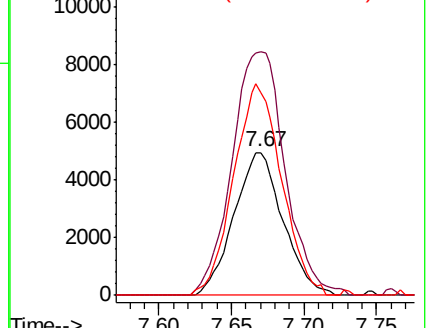
84 142.0 67.4 101.0#



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: 50.56 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050195.D

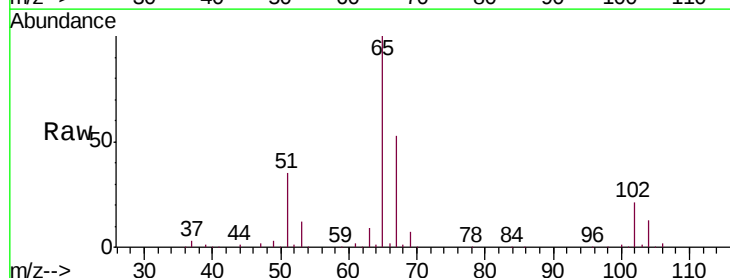
Acq: 30 Jul 2018 18:27

Tgt Ion: 65 Resp: 447371

Ion Ratio Lower Upper

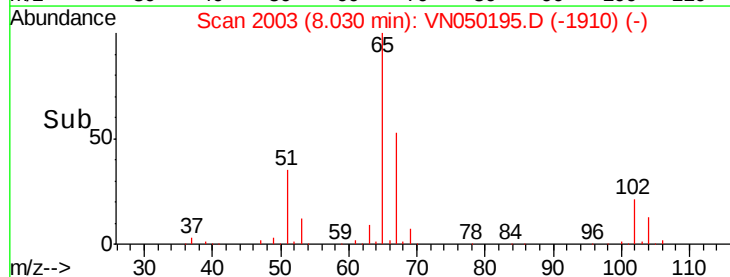
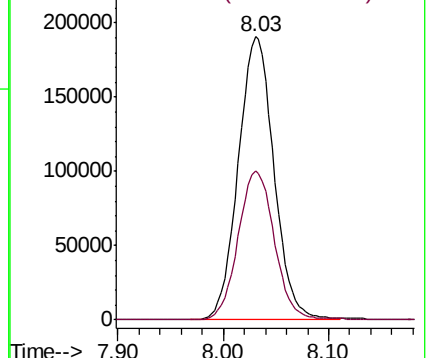
65 100

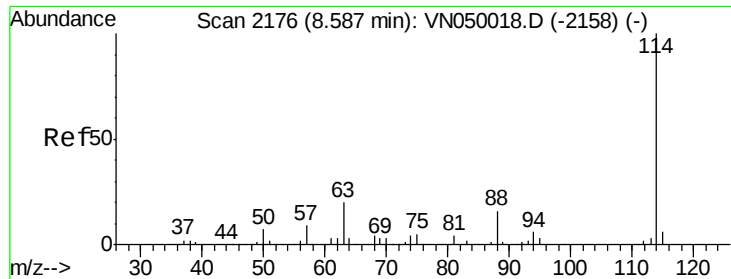
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

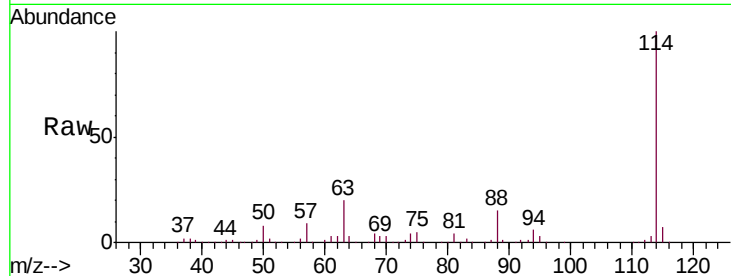




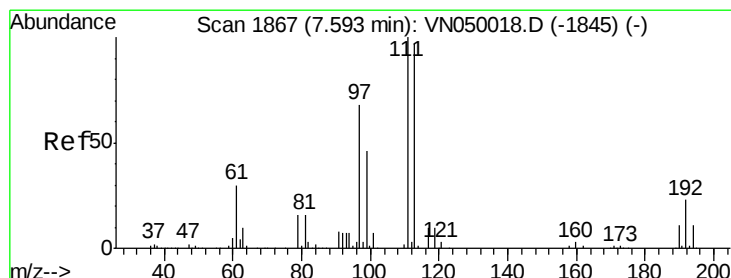
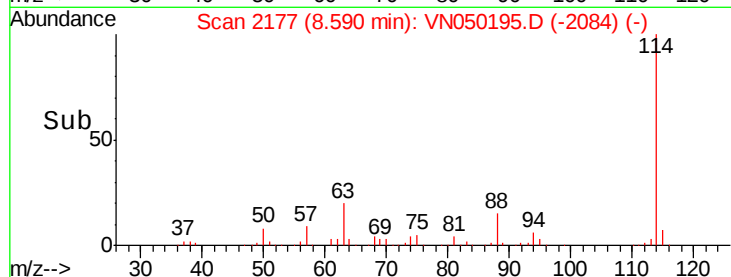
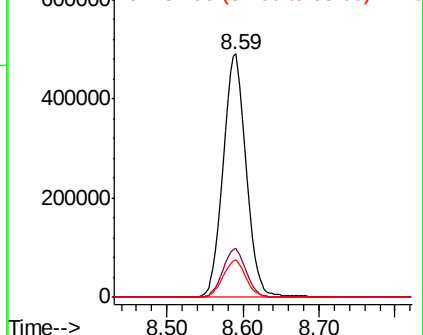
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050195.D
 Acq: 30 Jul 2018 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-A29

Tot Ion:114 Resp: 1040482
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.3 0.0 31.2

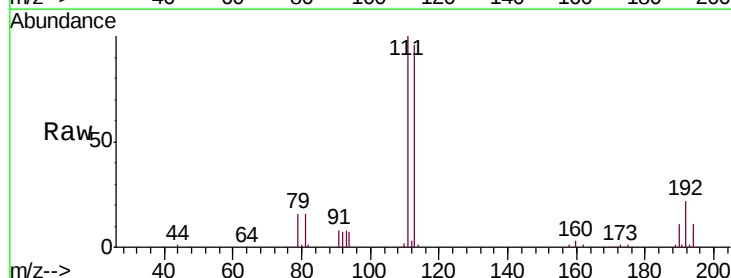


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

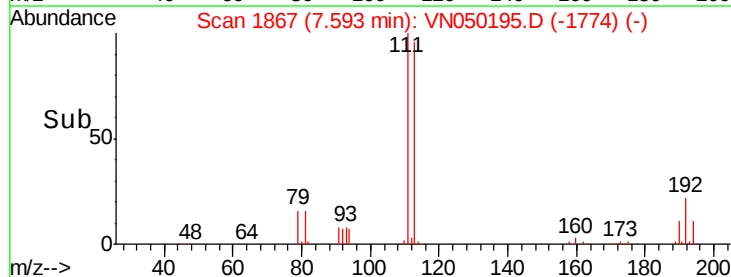
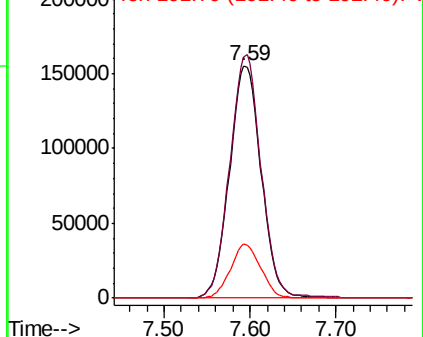


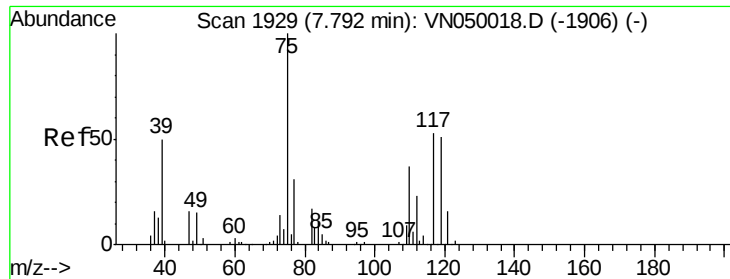
#35
 Dibromofluoromethane
 Concen: 46.82 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050195.D
 Acq: 30 Jul 2018 18:27

Tgt Ion:113 Resp: 397760
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.7 121.1
 192 22.3 17.8 26.6



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

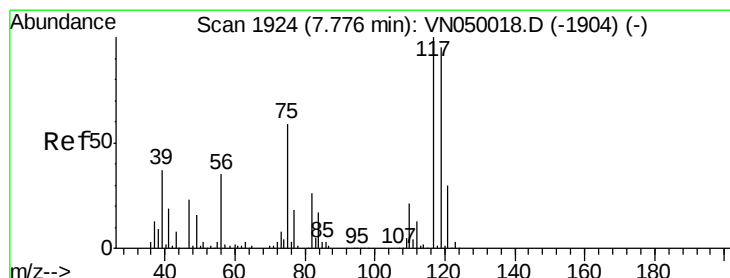
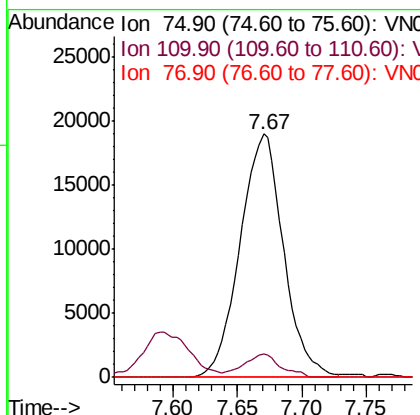
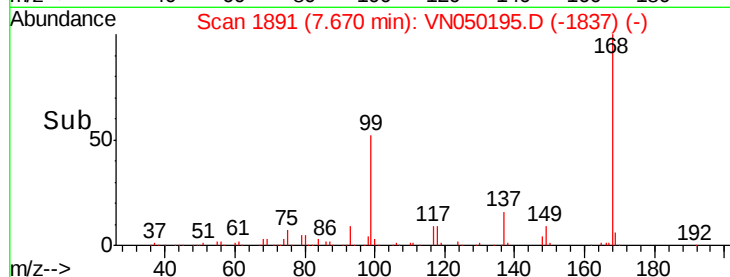
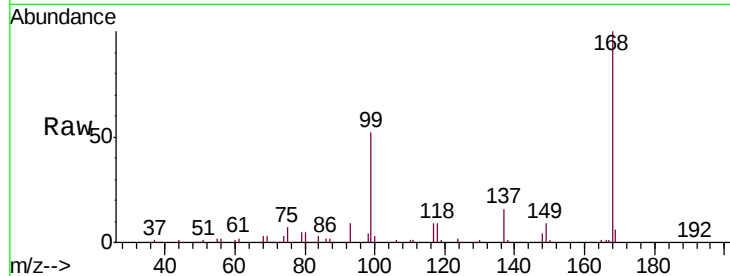




#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050195.D
 Acq: 30 Jul 2018 18:27

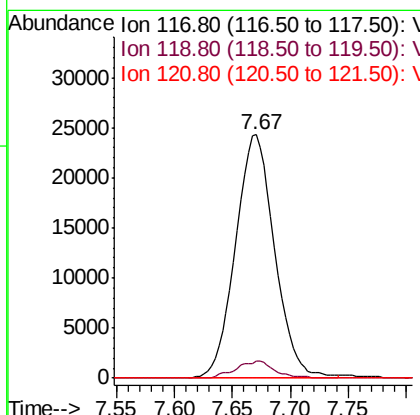
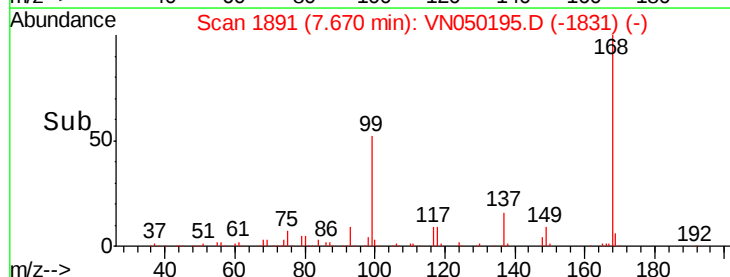
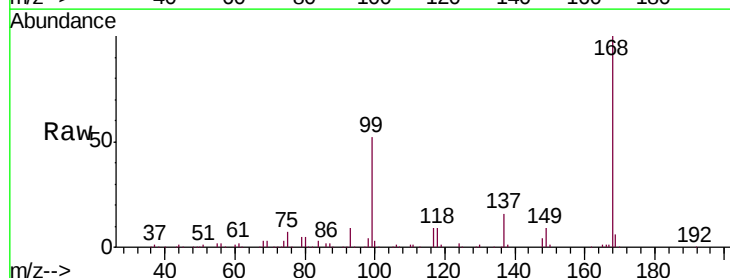
Instrument :
 MSVOA_N
 ClientSampleID :
 MW-A29

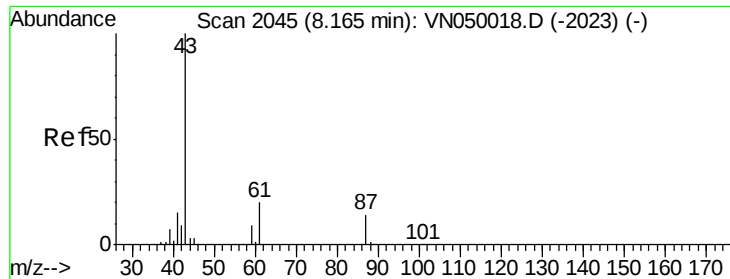
Tot Ion: 75 Resp: 44582
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.59 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050195.D
 Acq: 30 Jul 2018 18:27

Tgt Ion: 117 Resp: 57080
 Ion Ratio Lower Upper
 117 100
 119 6.9 77.4 116.0#
 121 0.0 23.9 35.9#



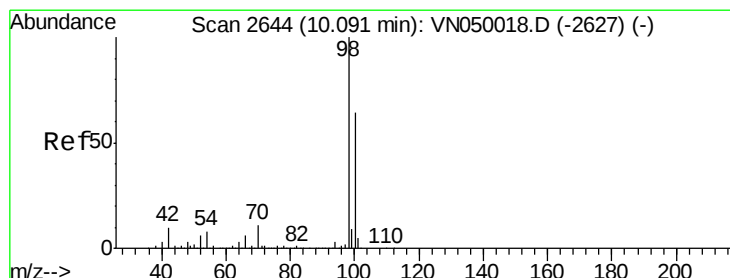
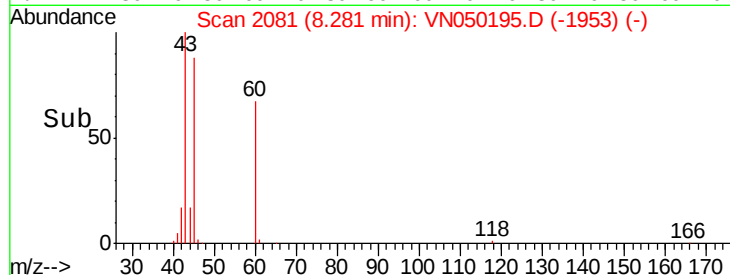
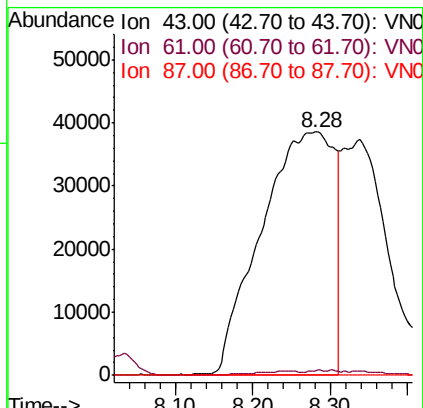
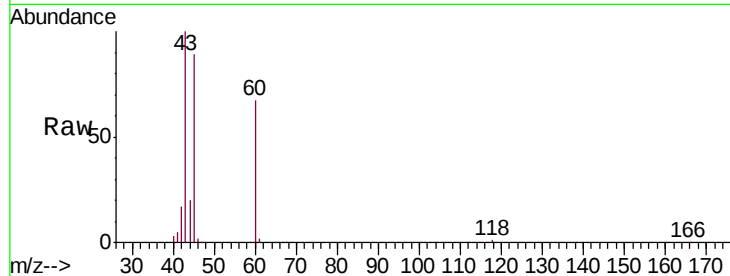


#43

Isopropyl Acetate
 Concen: 15.62 ug/l
 RT: 8.28 min Scan# 2081
 Delta R.T. 0.11 min
 Lab File: VN050195.D
 Acq: 30 Jul 2018 18:27

Instrument :
 MSVOA_N
 ClientSampleID :
 MW-A29

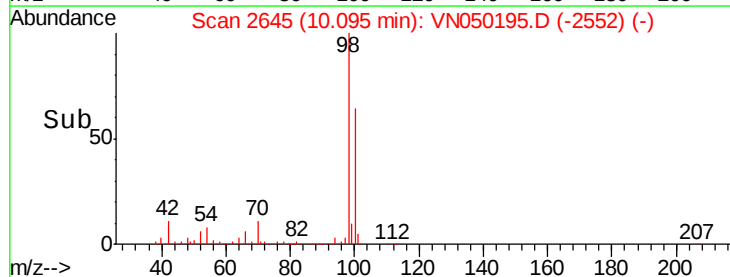
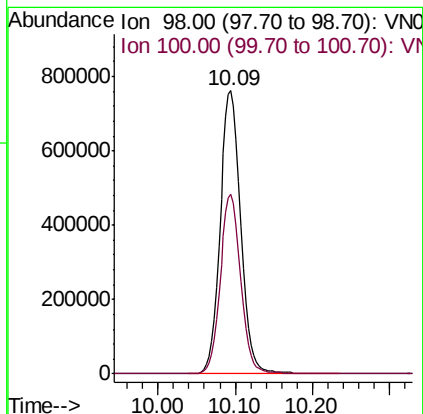
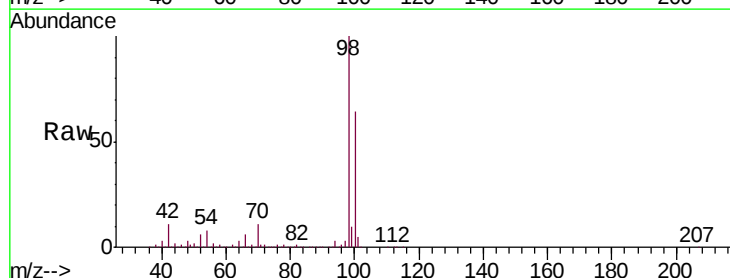
Tot Ion: 43 Resp: 252614
 Ion Ratio Lower Upper
 43 100
 61 0.2 15.8 23.6#
 87 0.0 10.3 15.5#

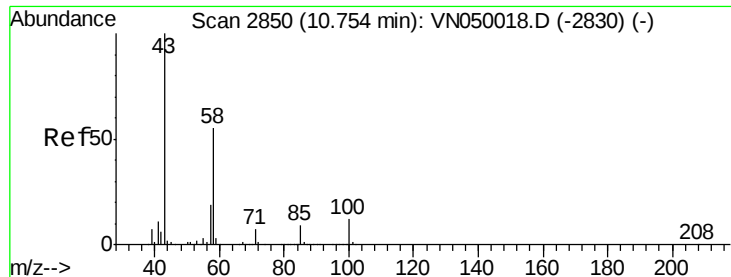


#50

Toluene-d8
 Concen: 45.40 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050195.D
 Acq: 30 Jul 2018 18:27

Tgt Ion: 98 Resp: 1417854
 Ion Ratio Lower Upper
 98 100
 100 63.1 50.7 76.1

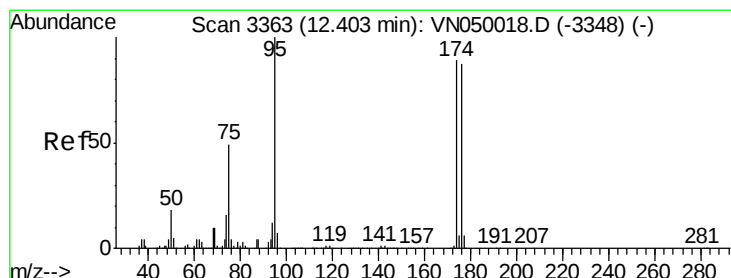
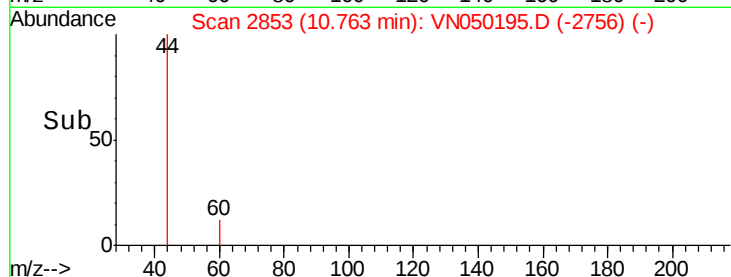
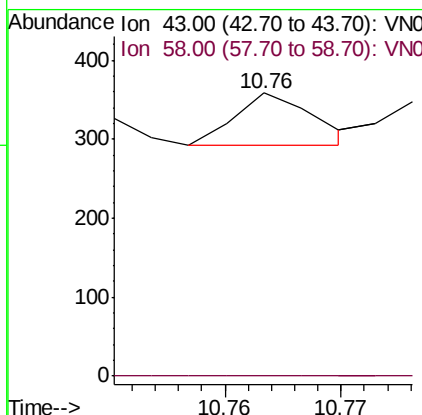
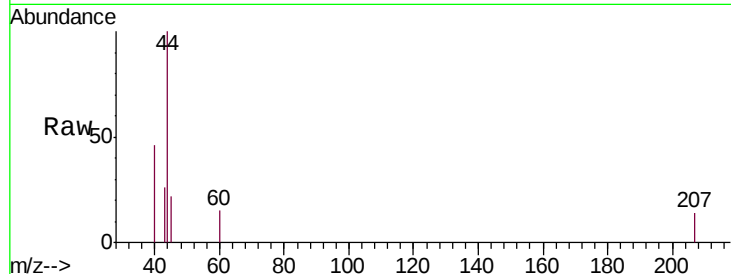




#59
2-Hexanone
Concen: 5.18 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN050195.D
Acq: 30 Jul 2018 18:27

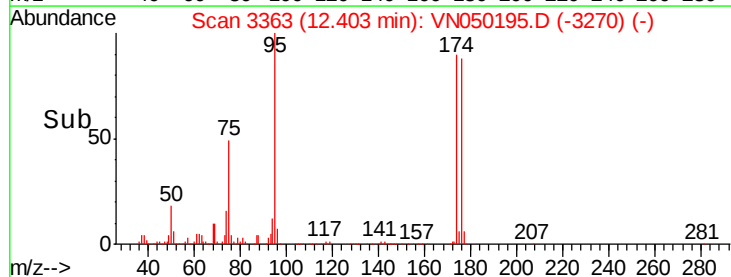
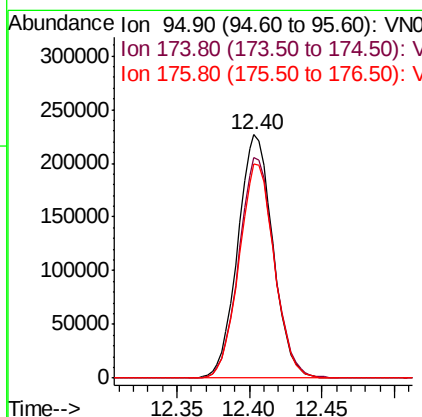
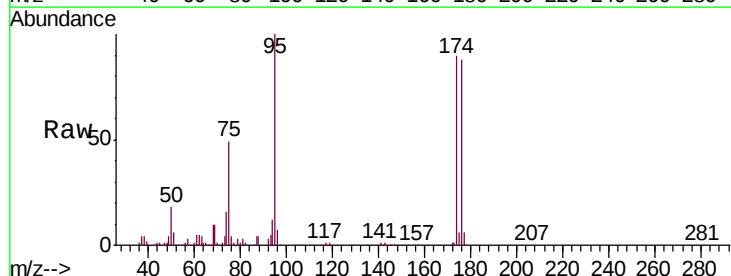
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ClientSampleId :
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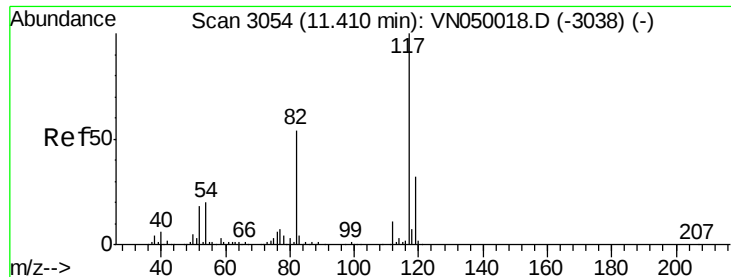
Tot Ion: 43 Resp: 31
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.14 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050195.D
Acq: 30 Jul 2018 18:27

Tgt Ion: 95 Resp: 381953
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 88.2 0.0 173.4

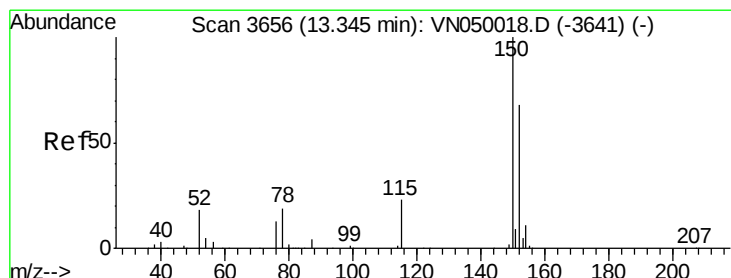
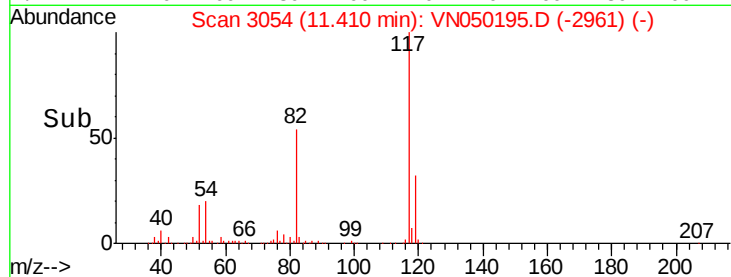
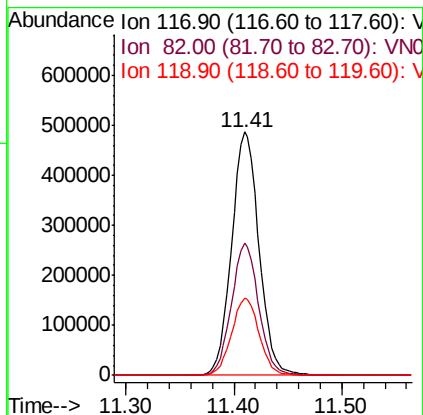
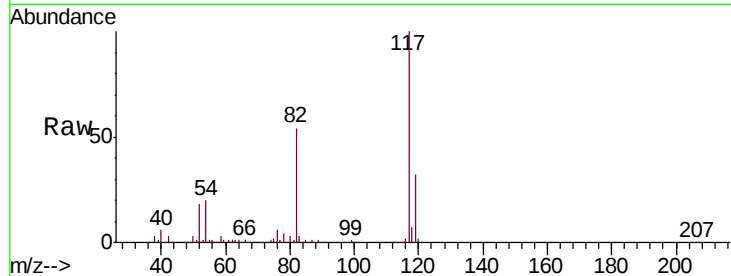




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050195.D
Acq: 30 Jul 2018 18:27

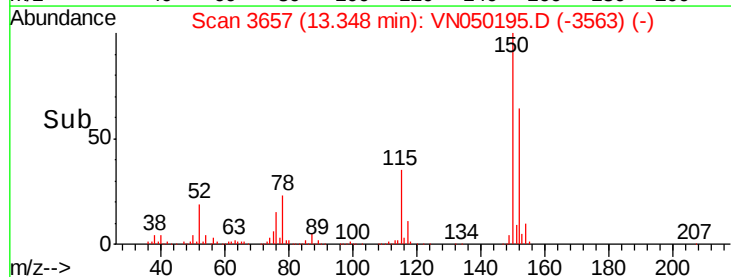
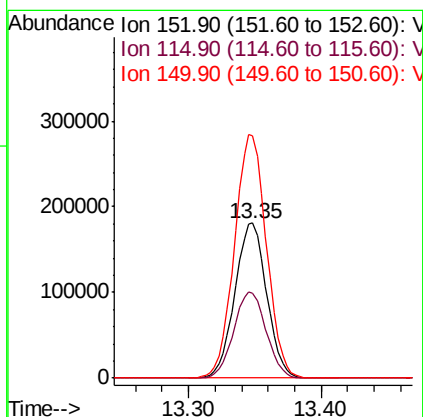
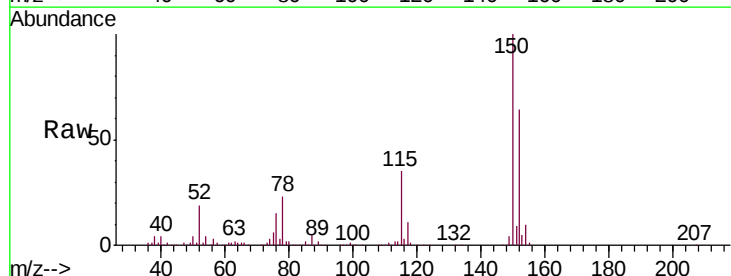
Instrument :
MSVOA_N
ClientSampled :
MW-A29

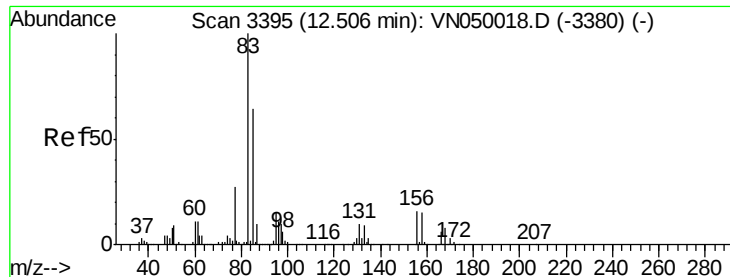
Tot Ion:117 Resp: 861111
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN050195.D
Acq: 30 Jul 2018 18:27

Tgt Ion:152 Resp: 300622
Ion Ratio Lower Upper
152 100
115 56.8 27.8 83.3
150 157.9 0.0 348.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3362

Delta R.T. -0.11 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

MW-A29

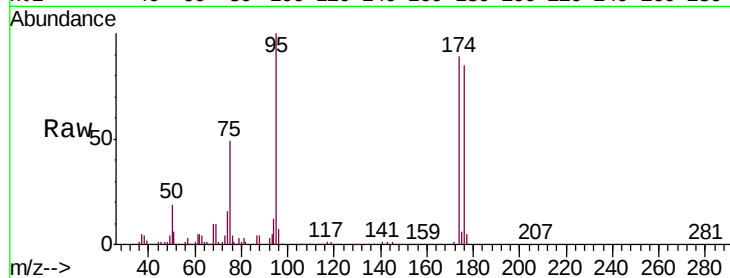
Tot Ion: 83 Resp: 197

Ion Ratio Lower Upper

83 100

131 275.1 5.1 15.3#

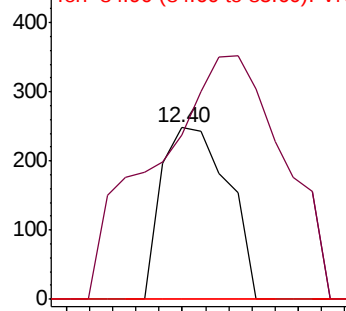
85 0.0 32.3 96.8#



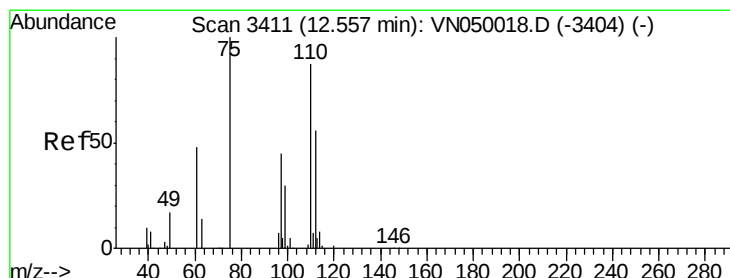
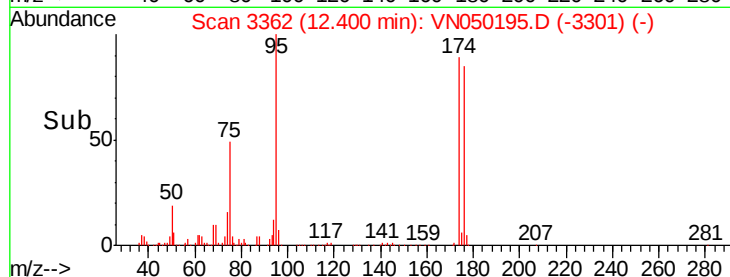
Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



Time--> 12.38 12.40 12.42



#76

1,2,3-Trichloropropane

Concen: 33.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050195.D

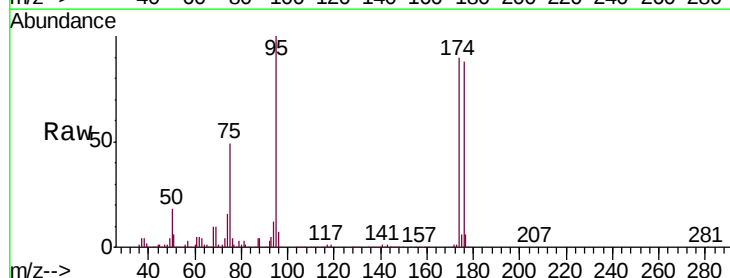
Acq: 30 Jul 2018 18:27

Tgt Ion: 75 Resp: 187111

Ion Ratio Lower Upper

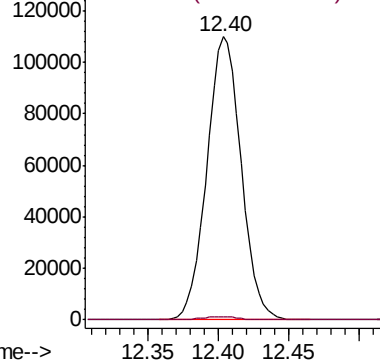
75 100

77 1.3 0.0 0.0#

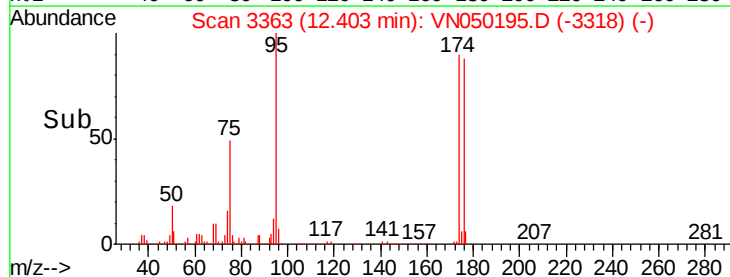


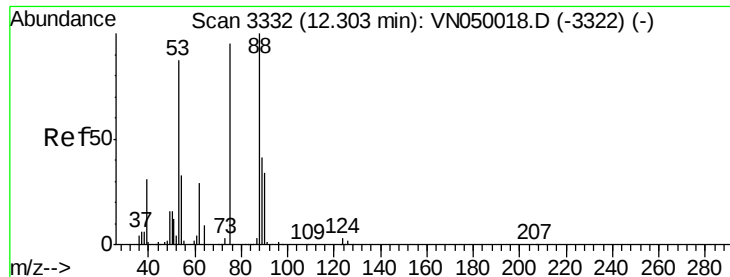
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.35 12.40 12.45





#81

trans-1,4-Dichloro-2-butene

Concen: 106.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

Instrument :

MSVOA_N

ClientSampleId :

MW-A29

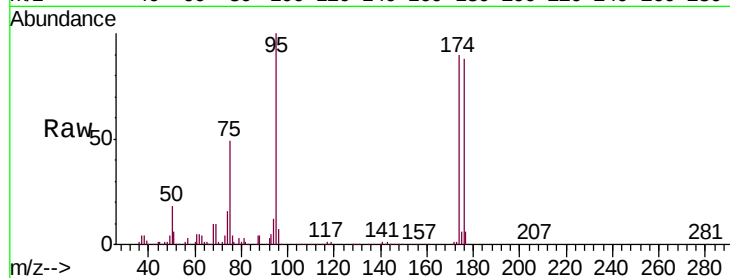
Tot Ion: 75 Resp: 187111

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

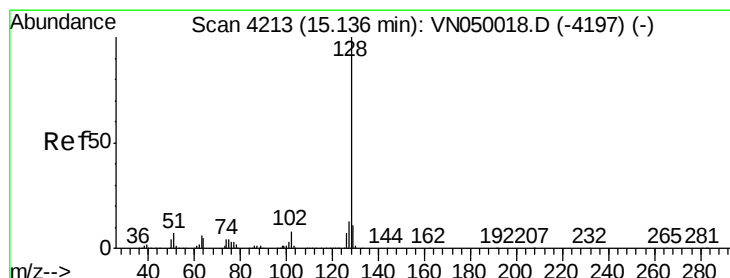
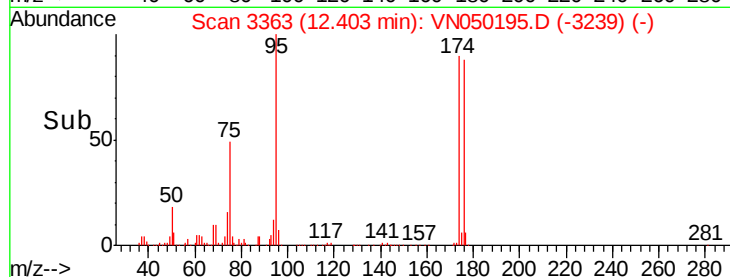
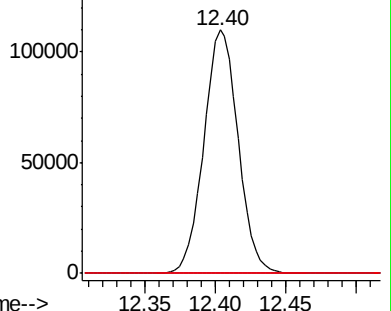
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050195.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050195.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050195.D (-3363) (-)



#95

Naphthalene

Concen: 4.52 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050195.D

Acq: 30 Jul 2018 18:27

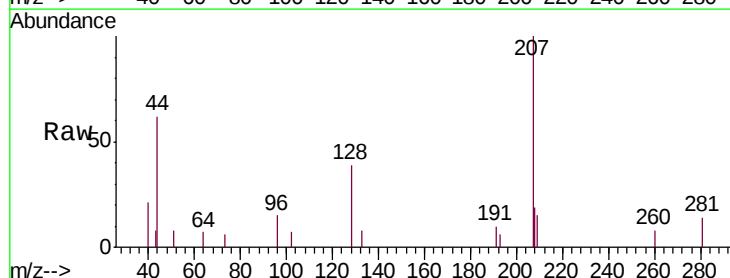
Tgt Ion: 128 Resp: 1606

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN050195.D (-4214) (-)

Ion 127.00 (126.70 to 127.70): VN050195.D (-4214) (-)

Ion 129.00 (128.70 to 129.70): VN050195.D (-4214) (-)

