

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050280.D
 Acq On : 2 Aug 2018 22:49
 Operator : MD\SY
 Sample : VN0802WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBL02

Quant Time: Aug 03 01:58:48 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	622831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	819890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267046	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	445481	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	400687	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	10.09	98	1379448	44.58	ug/l	0.00
Spiked Amount			Recovery	=	89.16%	
62) 4-Bromofluorobenzene	12.40	95	345424	33.91	ug/l	0.00
Spiked Amount			Recovery	=	67.82%	

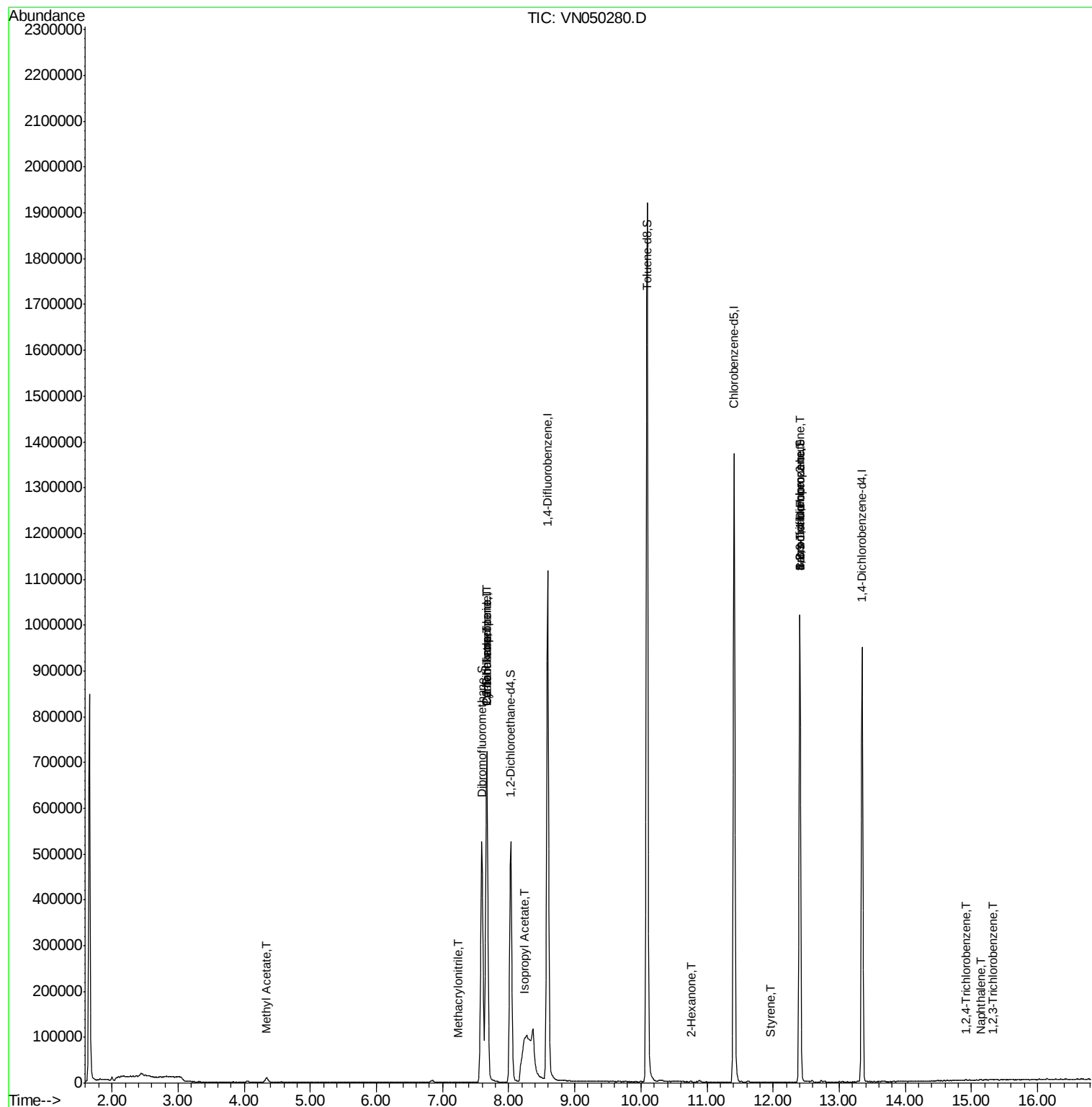
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	822	Below Cal	#	59
16) Acetone	3.83	43	1247	Below Cal		93
18) Methyl Acetate	4.34	43	19424	0.84	ug/l	98
20) Methylene Chloride	4.54	84	782	Below Cal	#	66
31) Cyclohexane	7.67	56	11996	0.94	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	43659	3.76	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	57009	4.63	ug/l	# 16
41) Methacrylonitrile	7.24	41	127	2.78	ug/l	# 19
43) Isopropyl Acetate	8.24	43	104631	5.85	ug/l	# 62
59) 2-Hexanone	10.75	43	509	5.26	ug/l	# 71
70) Styrene	11.96	104	283	0.94	ug/l	# 25
71) Bromoform	12.40	173	3409	0.59	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	261	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	166741	33.60	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	166741	106.57	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.91	180	590	3.19	ug/l	# 64
95) Naphthalene	15.14	128	2161	4.58	ug/l	# 86
96) 1,2,3-Trichlorobenzene	15.32	180	899	2.38	ug/l	96

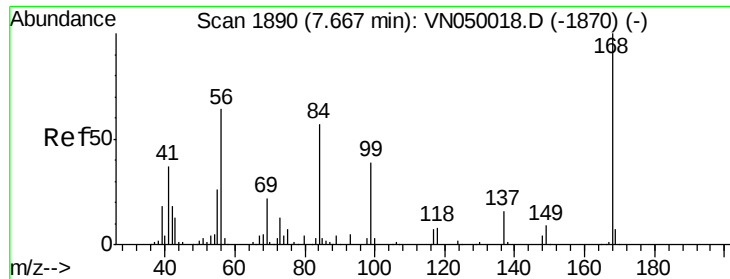
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
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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: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

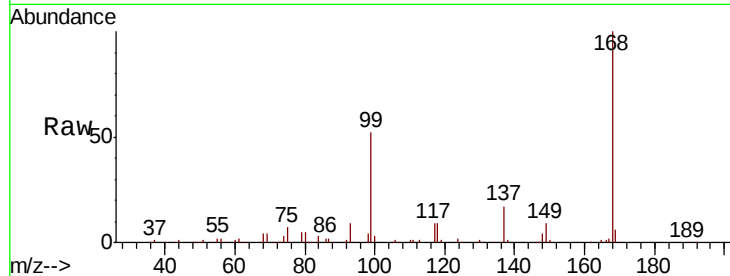
VN0802WBL02

Tot Ion:168 Resp: 622831

Ion Ratio Lower Upper

168 100

99 51.7 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

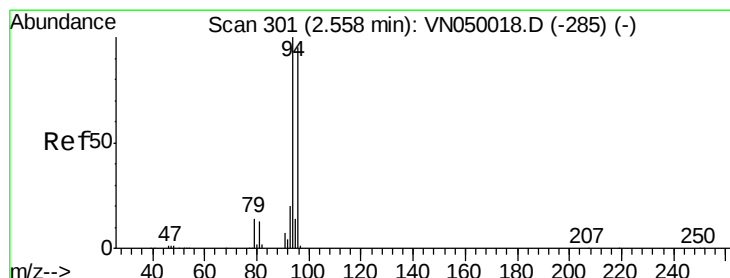
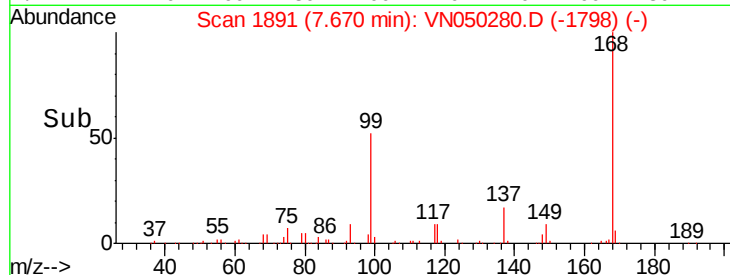
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050280.D

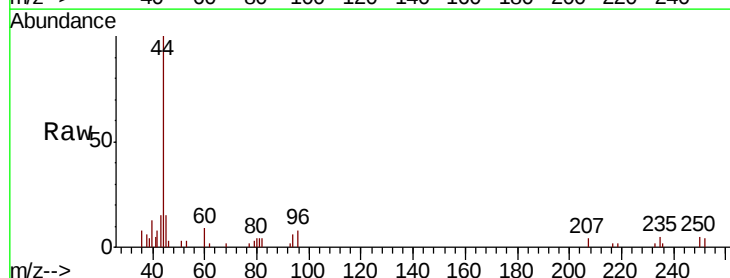
Acq: 2 Aug 2018 22:49

Tgt Ion: 94 Resp: 822

Ion Ratio Lower Upper

94 100

96 132.7 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

600

500

400

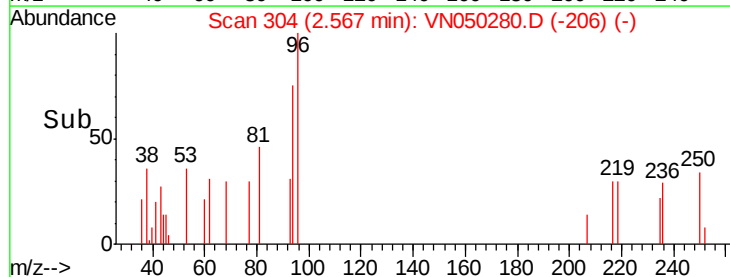
300

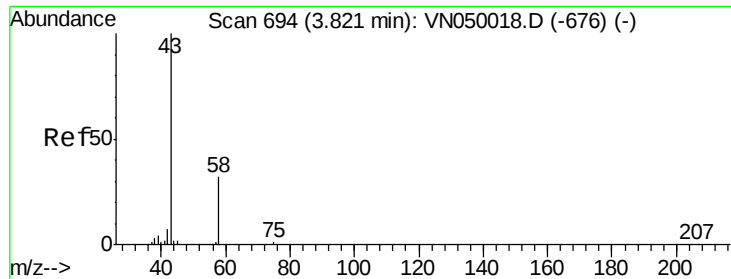
200

100

0

Time--> 2.52 2.54 2.56 2.58





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

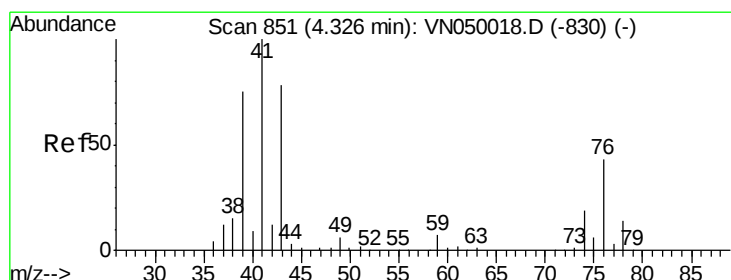
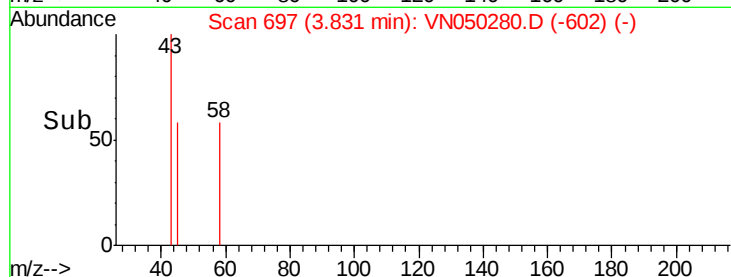
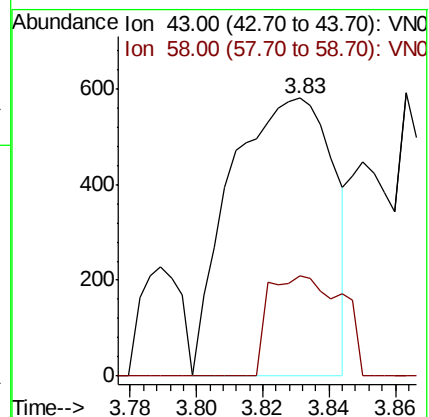
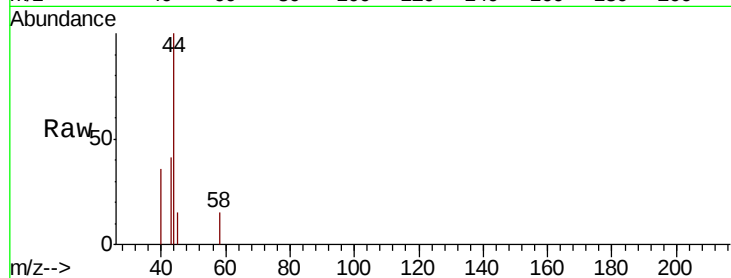
VN0802WBL02

Tot Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

58 36.2 25.8 38.8



#18

Methyl Acetate

Concen: 0.84 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050280.D

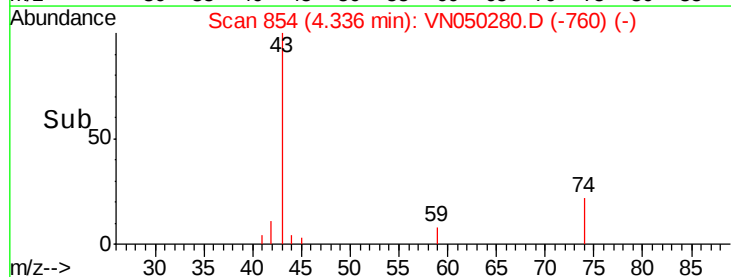
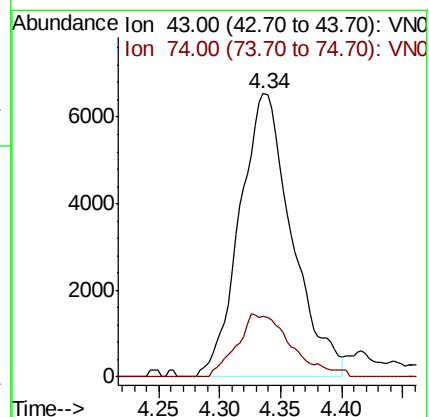
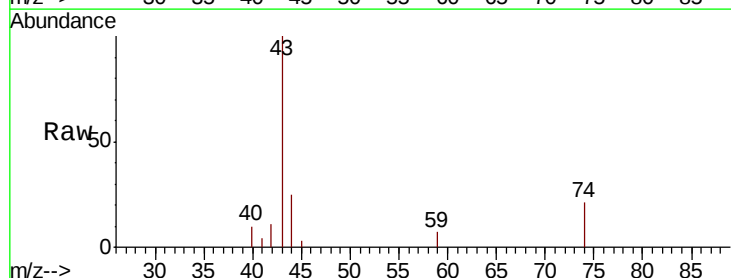
Acq: 2 Aug 2018 22:49

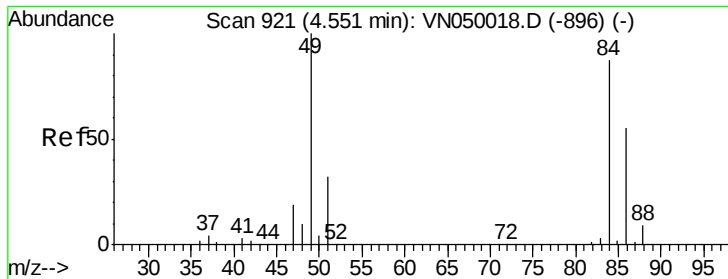
Tgt Ion: 43 Resp: 19424

Ion Ratio Lower Upper

43 100

74 23.2 19.2 28.8



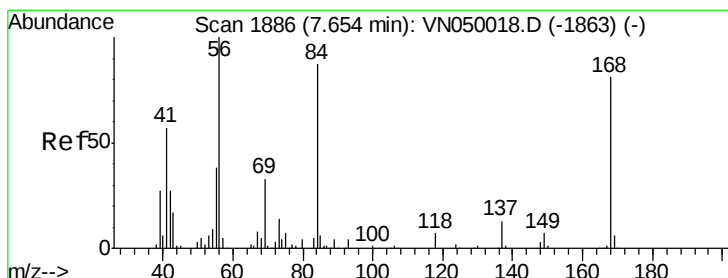
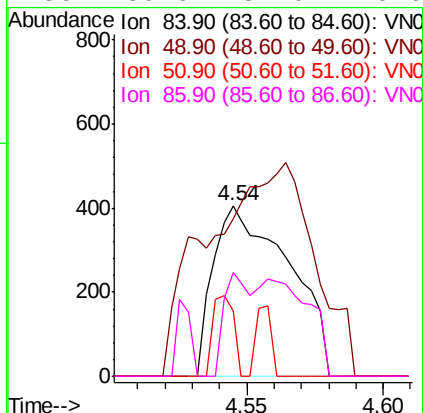
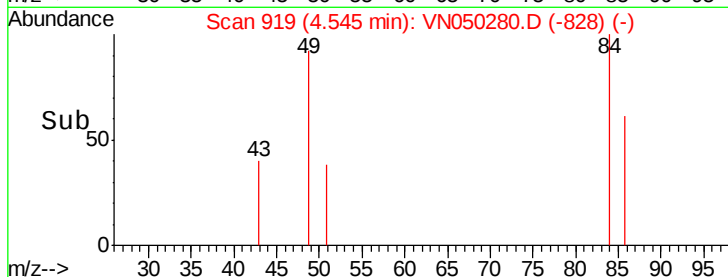
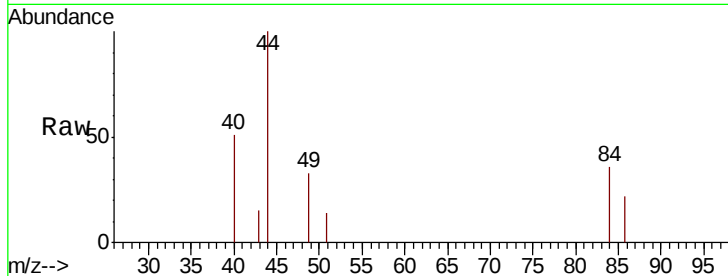


#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBL02

Tot Ion: 84 Resp: 782

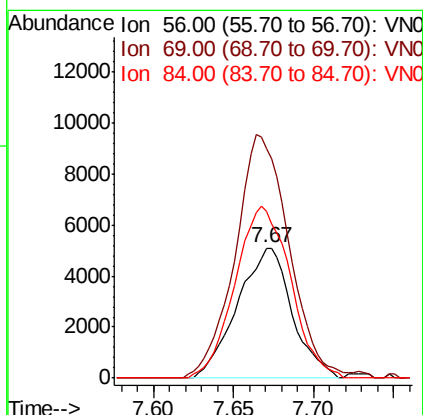
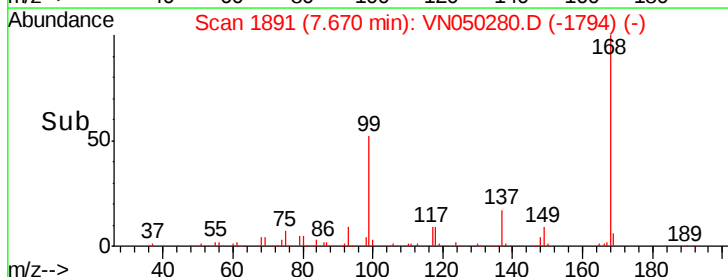
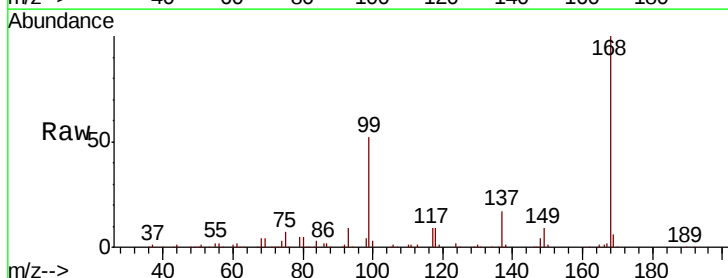
Ion	Ratio	Lower	Upper
84	100		
49	53.0	94.8	142.2#
51	38.4	28.3	42.5
86	60.6	51.0	76.6

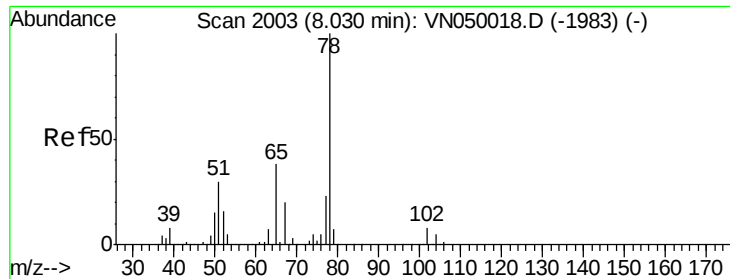


#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Tgt Ion: 56 Resp: 11996

Ion	Ratio	Lower	Upper
56	100		
69	173.9	26.2	39.4#
84	128.4	67.4	101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.26 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampled :

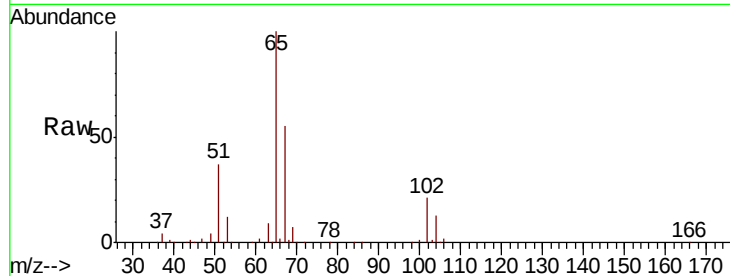
VN0802WBL02

Tot Ion: 65 Resp: 445481

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

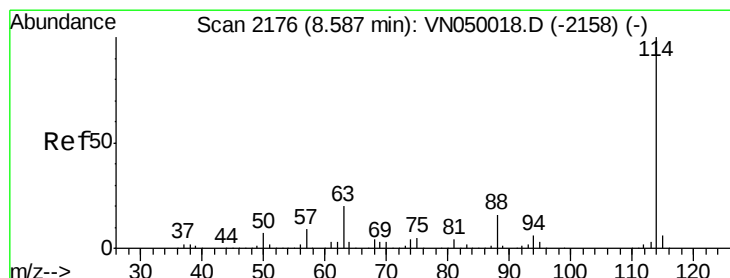
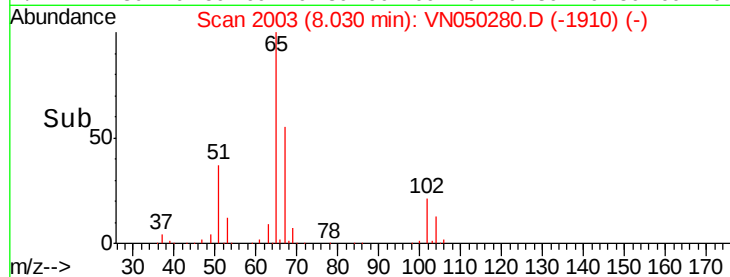
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

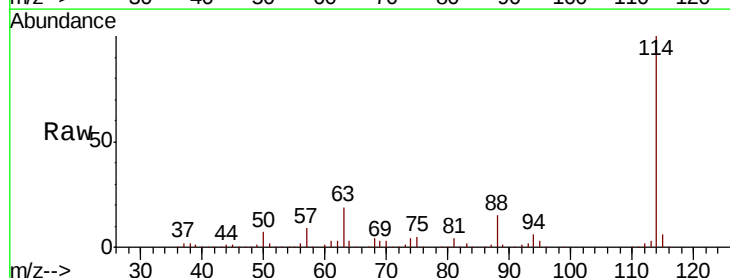
Tgt Ion: 114 Resp: 1030746

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.1 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

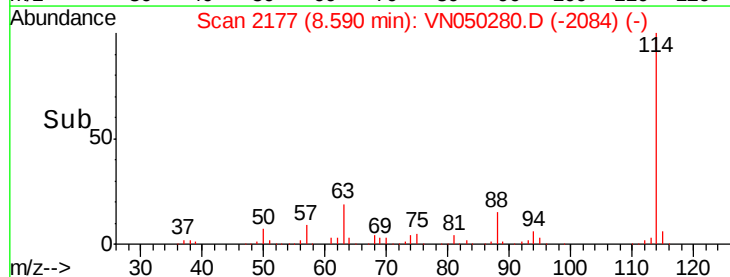
600000

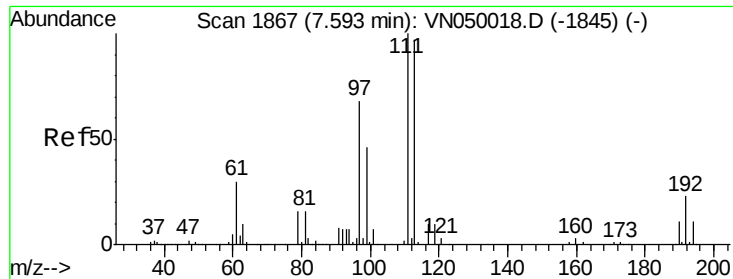
400000

200000

0

Time--> 8.50 8.60 8.70 8.80

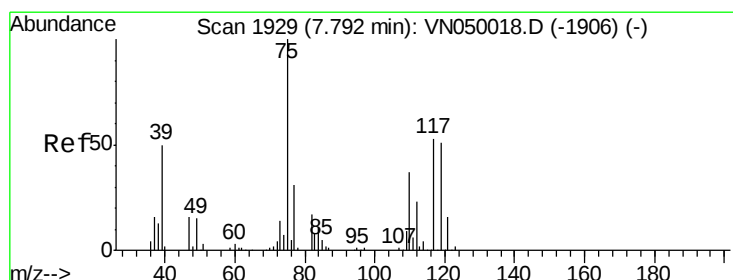
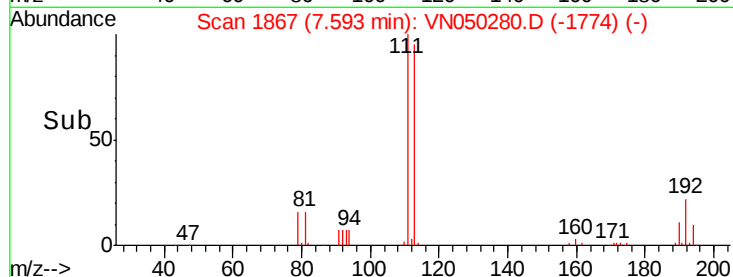
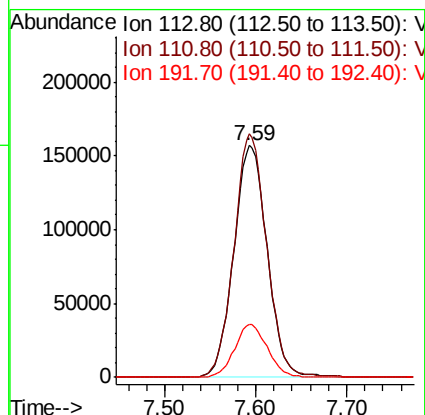
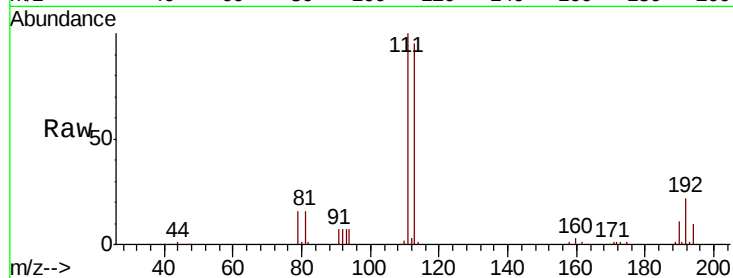




#35
Dibromofluoromethane
Concen: 47.61 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

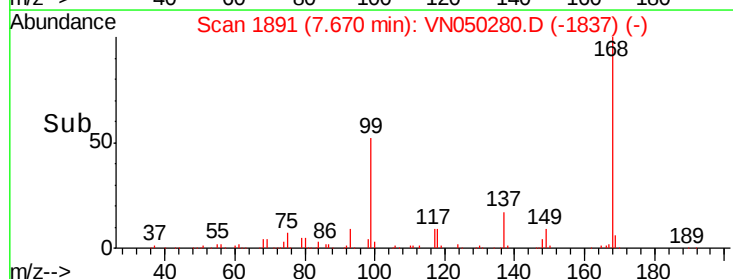
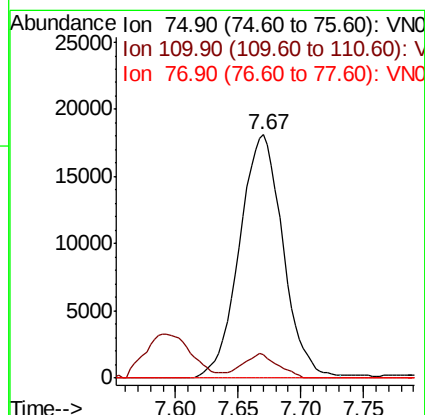
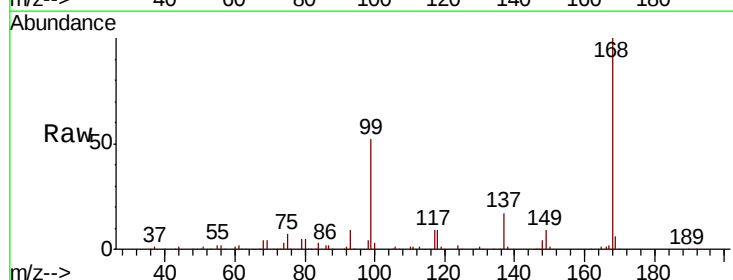
Instrument :
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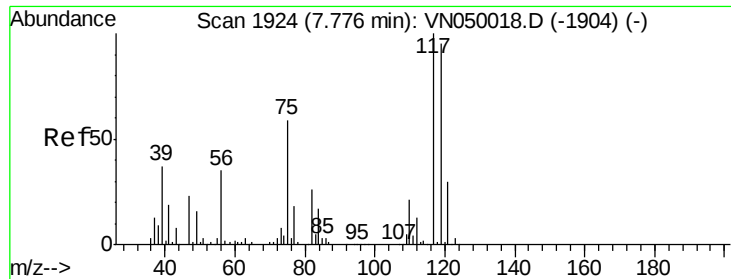
Tot Ion:113 Resp: 400687
Ion Ratio Lower Upper
113 100
111 102.1 80.7 121.1
192 22.3 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.76 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.13 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Tgt Ion: 75 Resp: 43659
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 25.3 37.9#

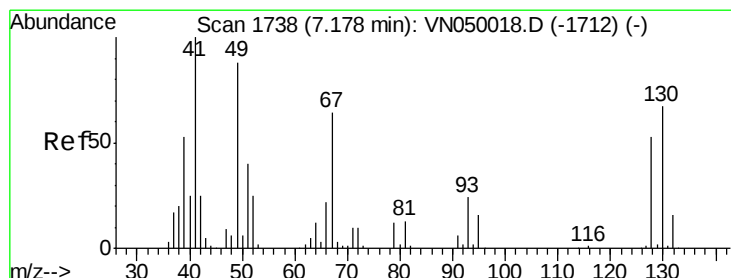
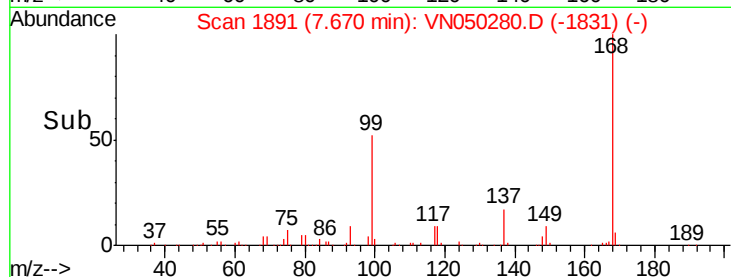
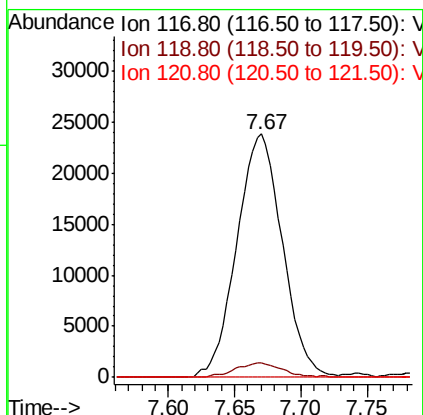
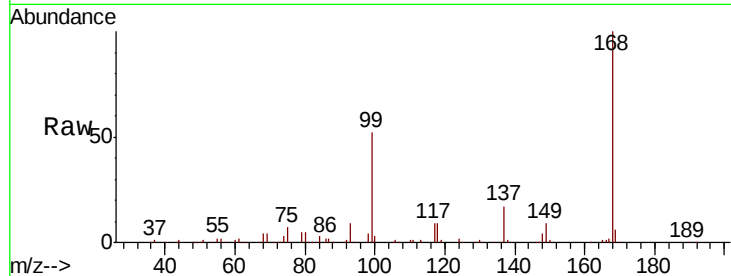




#38
Carbon Tetrachloride
Concen: 4.63 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

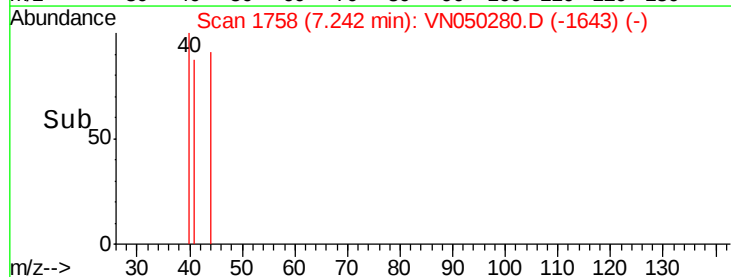
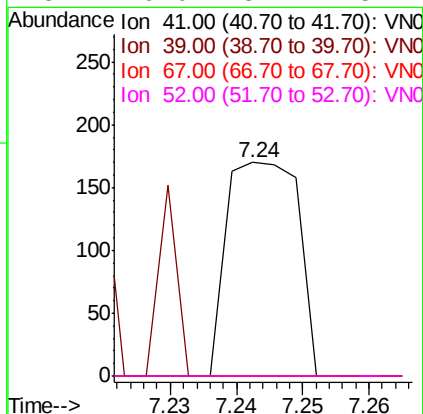
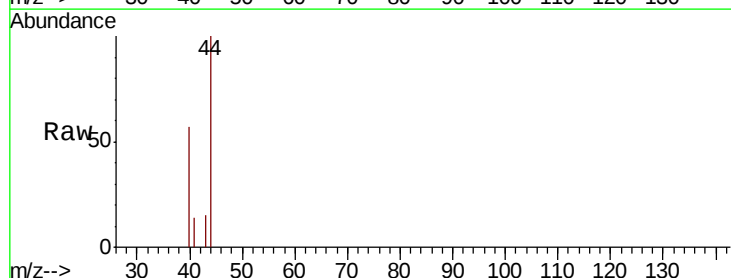
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBL02

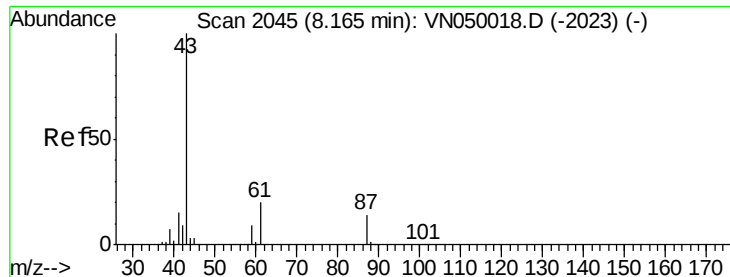
Tot Ion:117 Resp: 57009
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.78 ug/l
RT: 7.24 min Scan# 1758
Delta R.T. 0.07 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Tgt Ion: 41 Resp: 127
Ion Ratio Lower Upper
41 100
39 22.8 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 5.85 ug/l

RT: 8.24 min Scan# 2068

Delta R.T. 0.07 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBL02

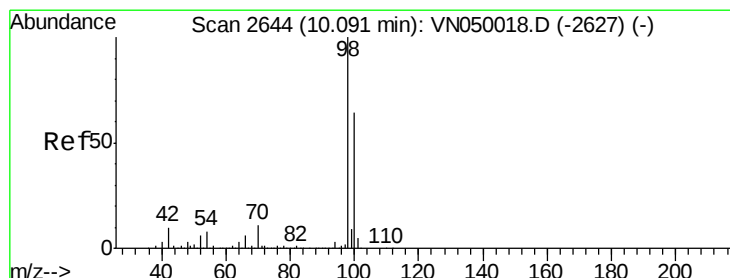
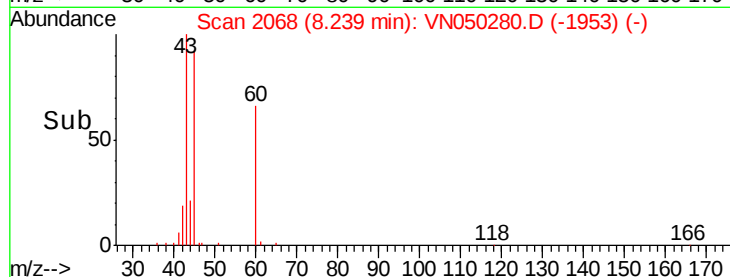
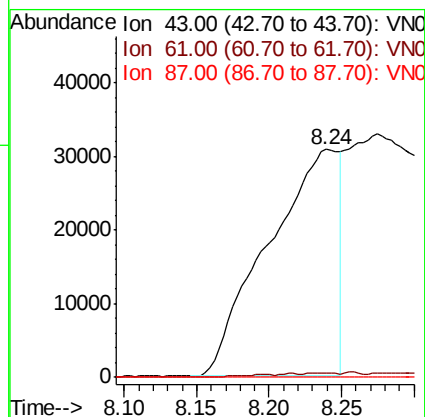
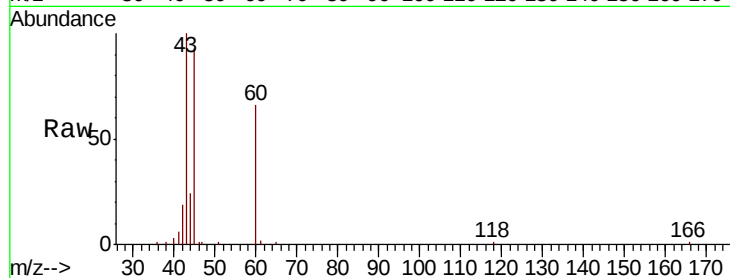
Tot Ion: 43 Resp: 104631

Ion Ratio Lower Upper

43 100

61 0.4 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 44.58 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050280.D

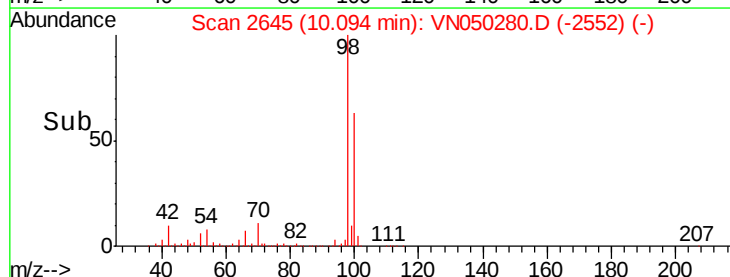
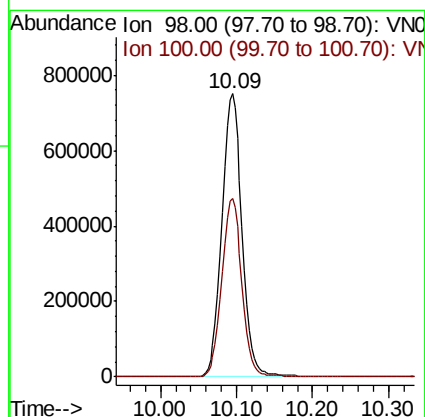
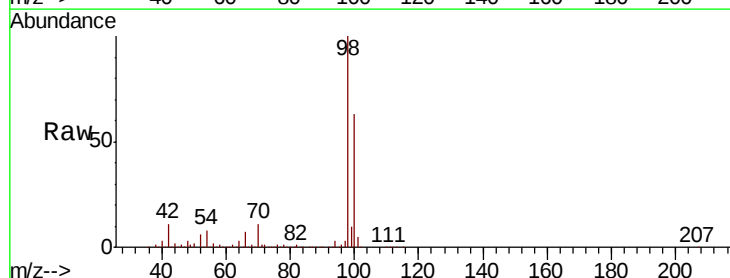
Acq: 2 Aug 2018 22:49

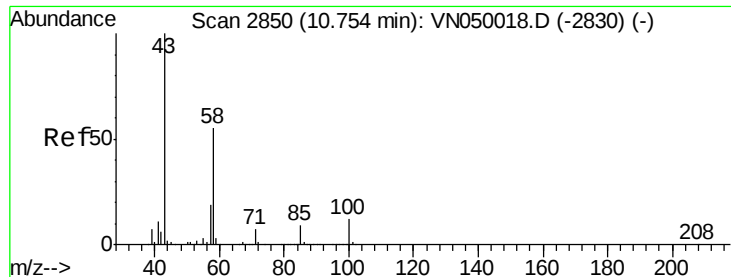
Tgt Ion: 98 Resp: 1379448

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1

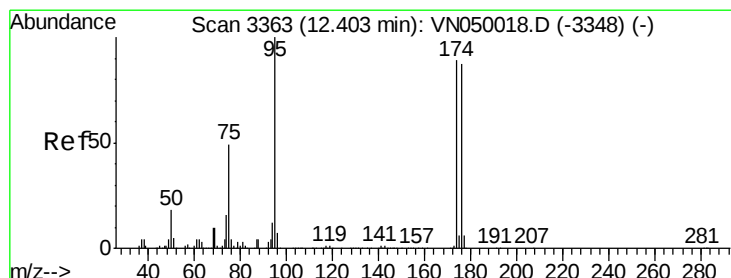
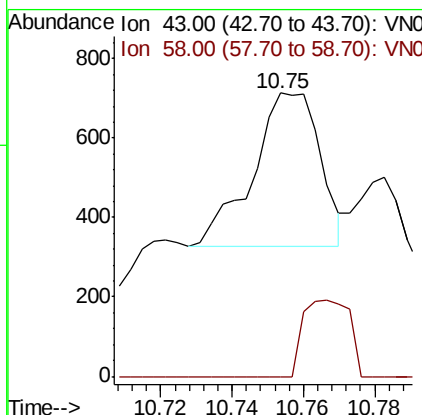
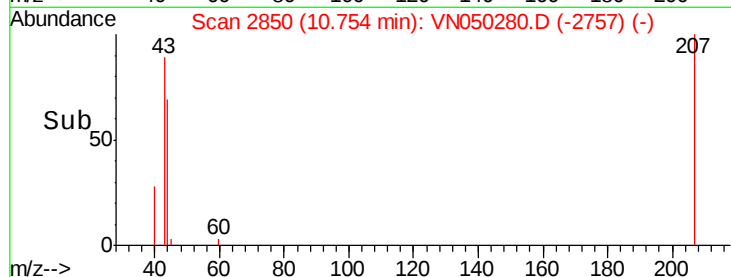
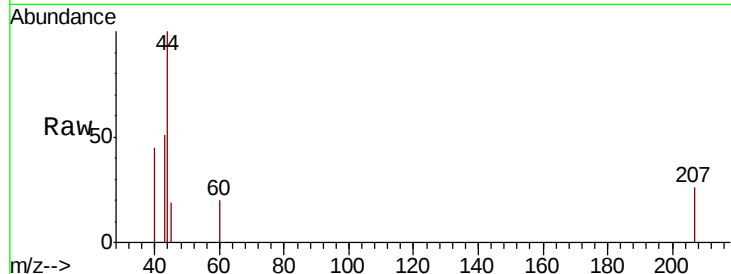




#59
2-Hexanone
Concen: 5.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

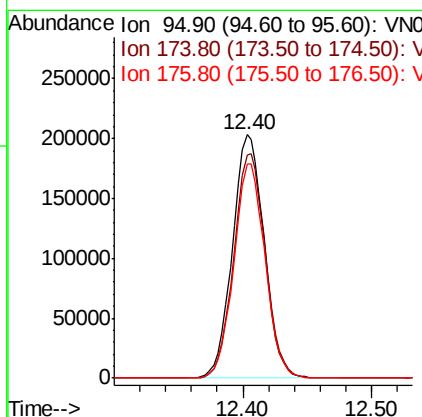
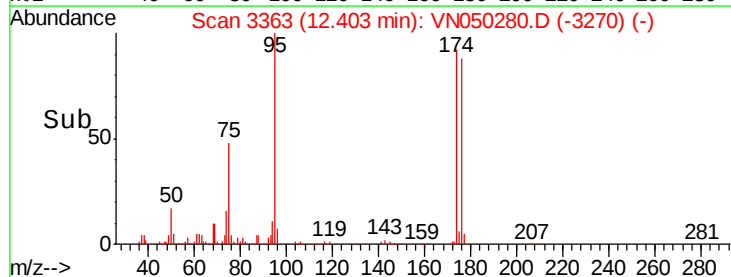
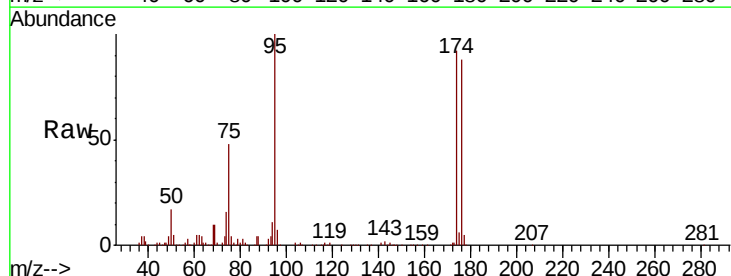
Instrument :
MSVOA_N
ClientSampled :
VN0802WBL02

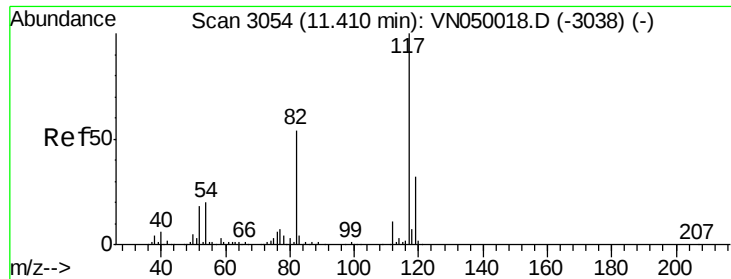
Tot Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
58 33.8 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 33.91 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Tgt Ion: 95 Resp: 345424
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.2
176 87.0 0.0 173.4

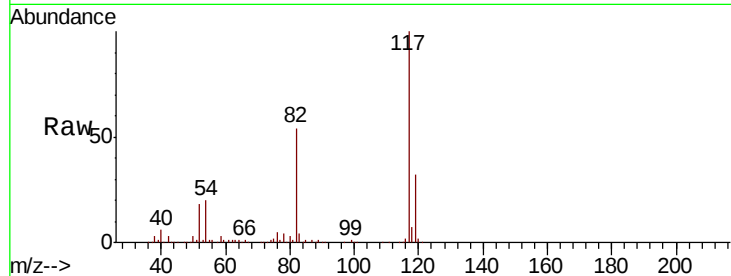




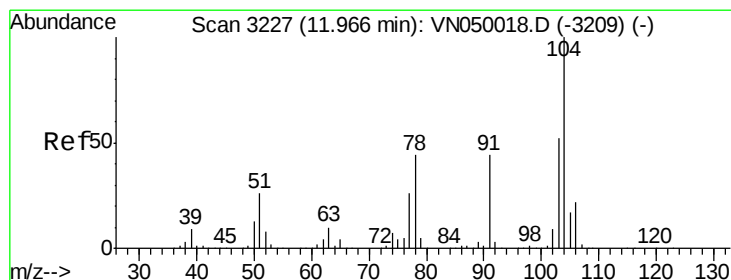
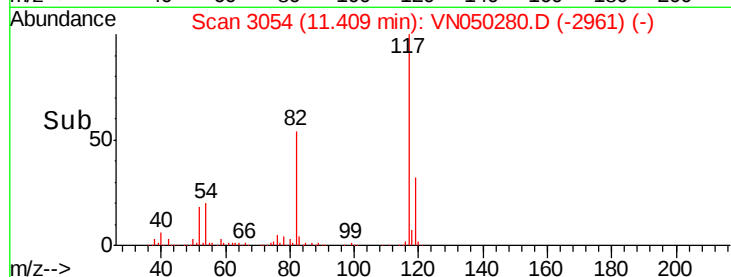
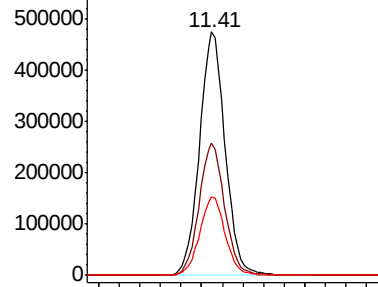
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBL02

Tot Ion:117 Resp: 819890
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.2 26.1 39.1

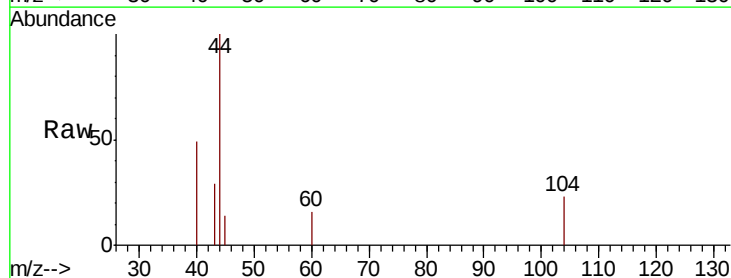


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

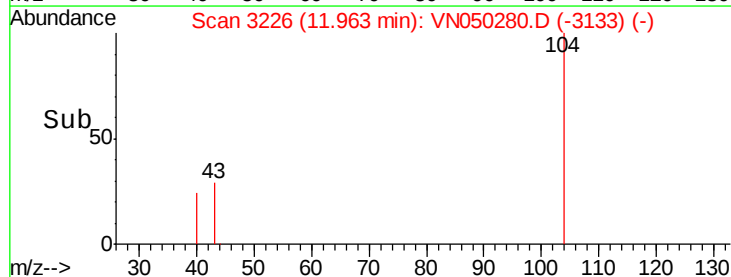
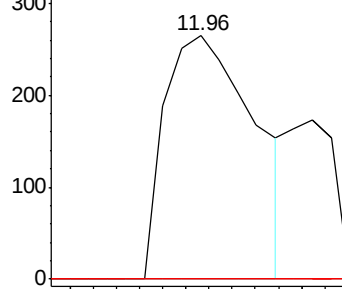


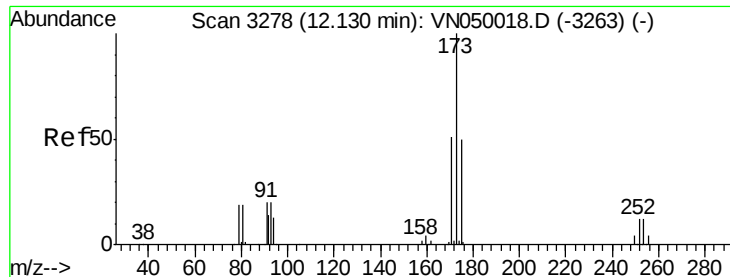
#70
Styrene
Concen: 0.94 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Tgt Ion:104 Resp: 283
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBL02

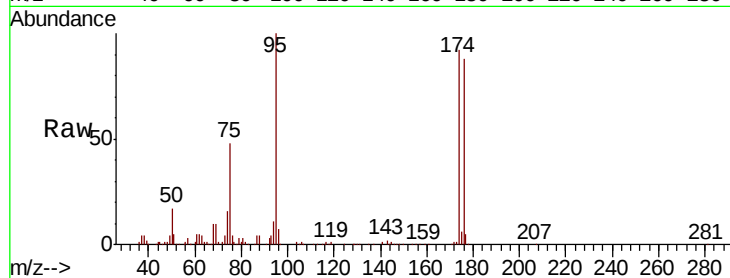
Tot Ion:173 Resp: 3409

Ion Ratio Lower Upper

173 100

175 576.5 24.1 72.2#

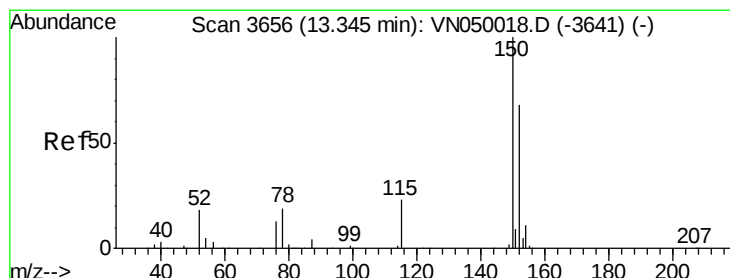
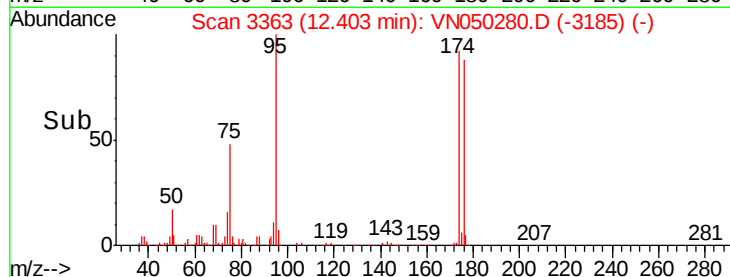
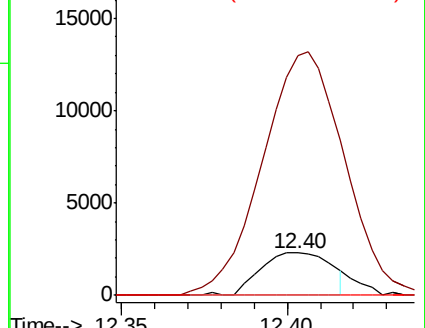
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

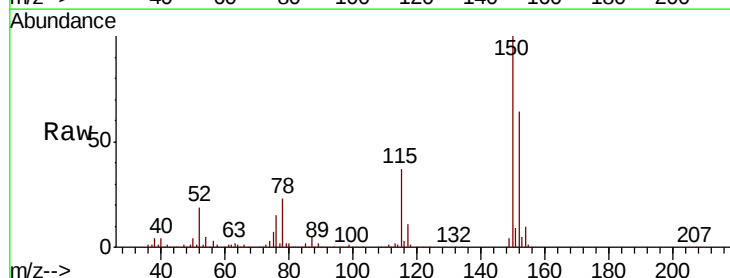
Tgt Ion:152 Resp: 267046

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

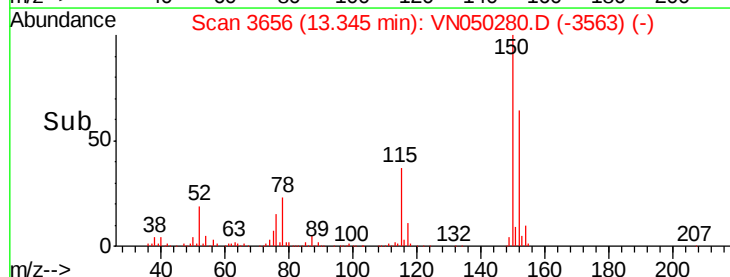
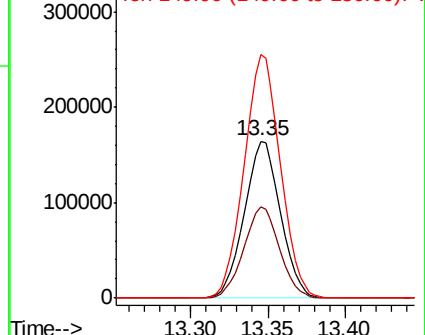
150 156.3 0.0 348.6

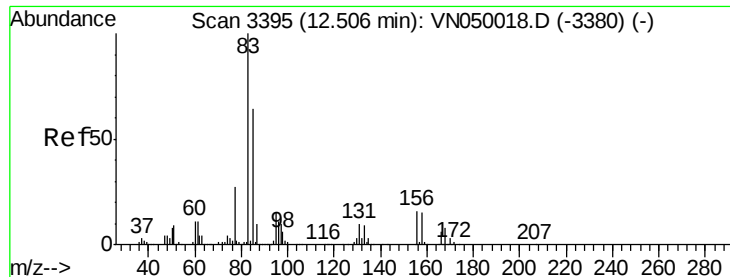


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.40 min Scan# 3362

Delta R.T. -0.11 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBL02

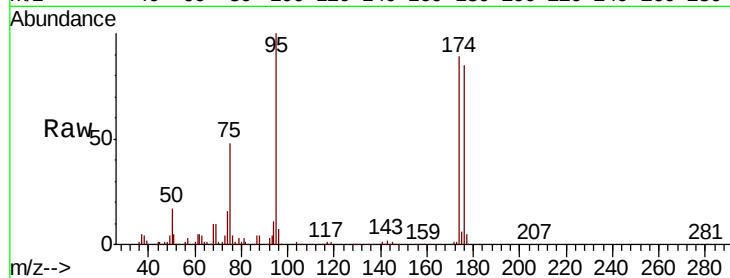
Tot Ion: 83 Resp: 261

Ion Ratio Lower Upper

83 100

131 149.8 5.1 15.3#

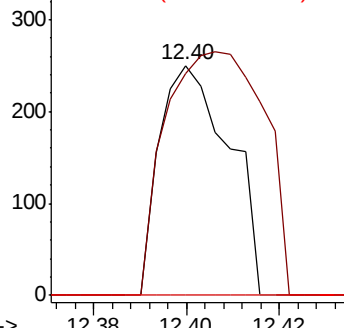
85 0.0 32.3 96.8#



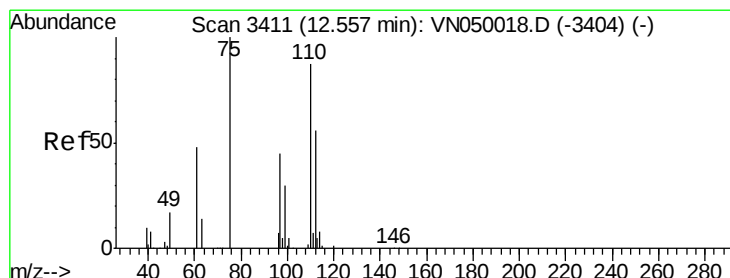
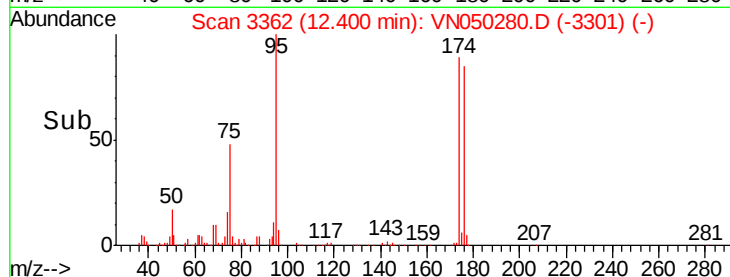
Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 33.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050280.D

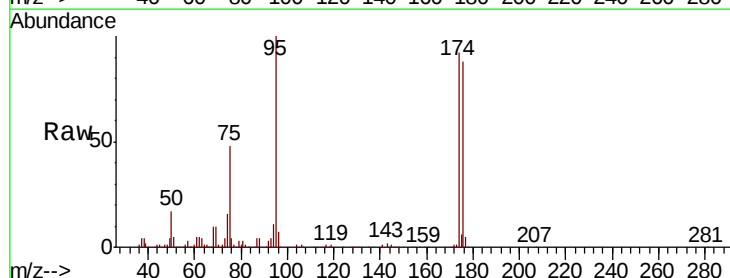
Acq: 2 Aug 2018 22:49

Tgt Ion: 75 Resp: 166741

Ion Ratio Lower Upper

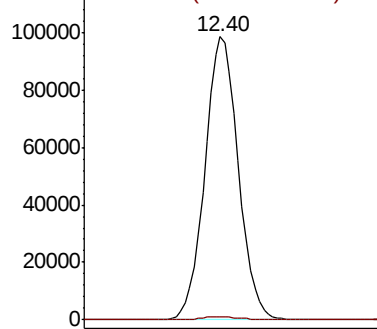
75 100

77 1.3 0.0 0.0#

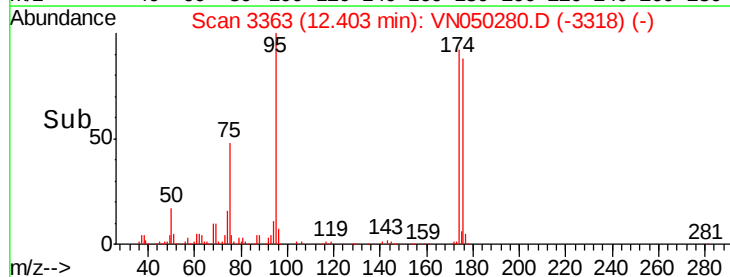


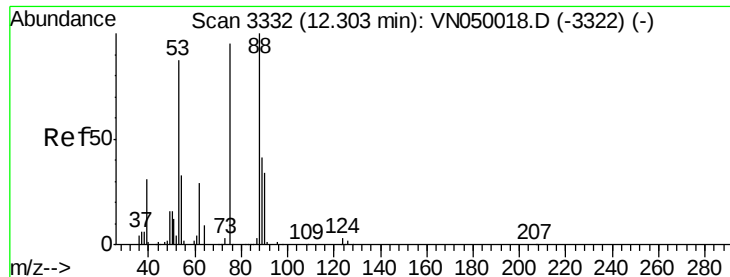
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

Instrument :

MSVOA_N

ClientSampled :

VN0802WBL02

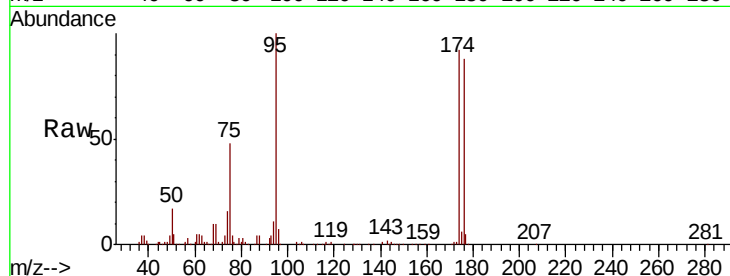
Tot Ion: 75 Resp: 166741

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

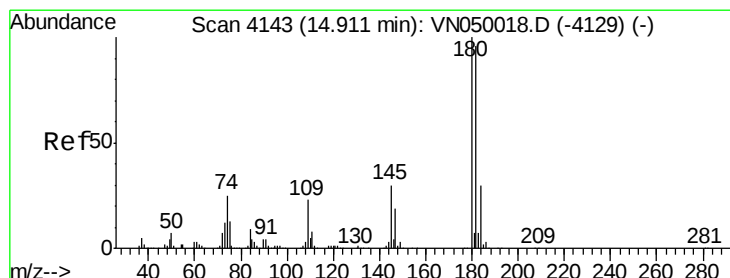
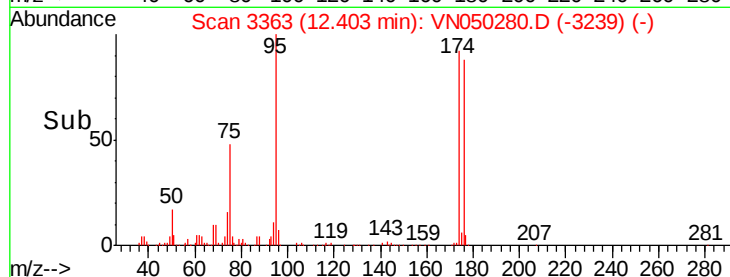
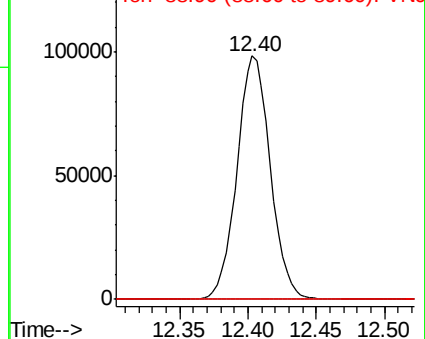
89 0.0 36.0 54.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.19 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN050280.D

Acq: 2 Aug 2018 22:49

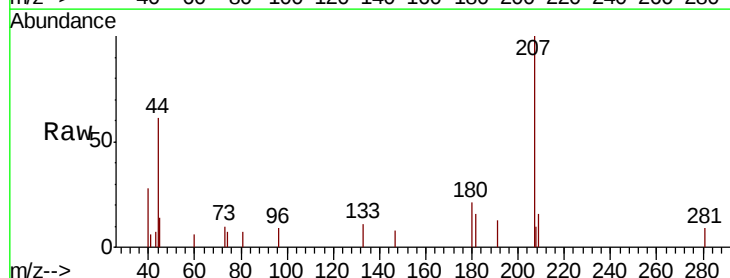
Tgt Ion: 180 Resp: 590

Ion Ratio Lower Upper

180 100

182 125.4 46.7 140.1

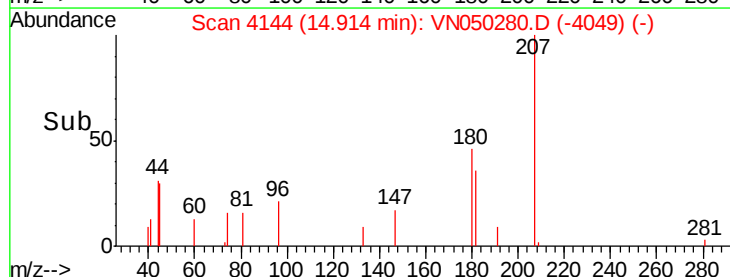
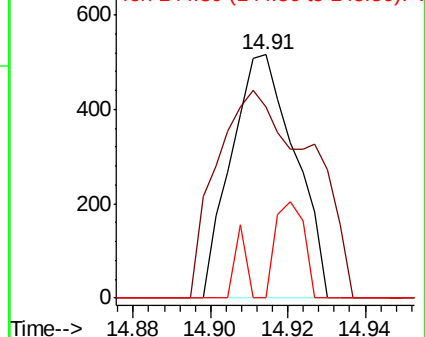
145 5.1 13.8 41.4#

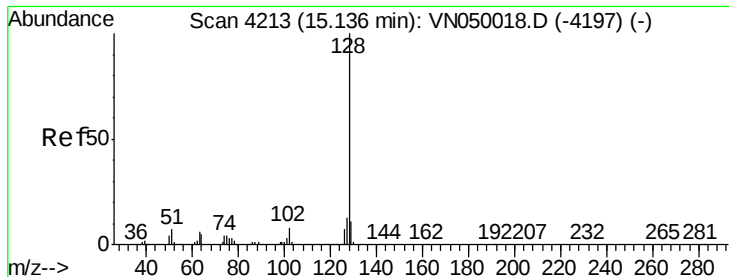


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

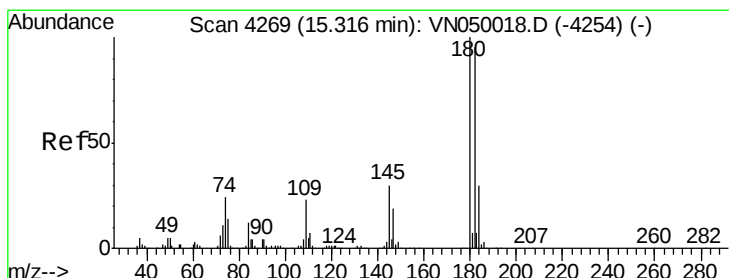
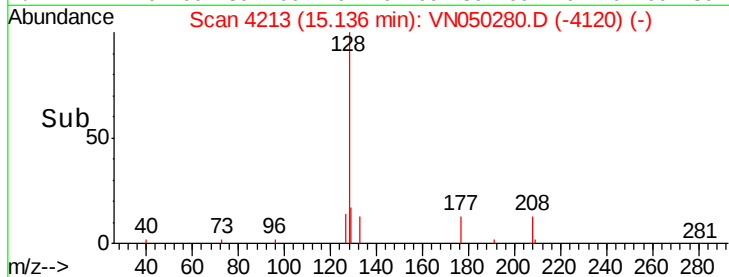
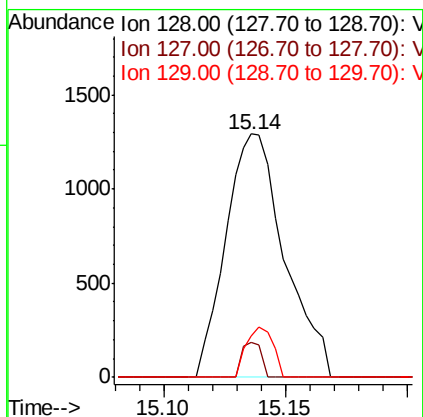
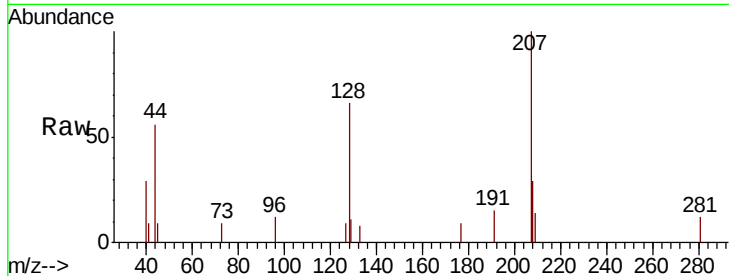




#95
Naphthalene
Concen: 4.58 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBL02

Tot Ion:128 Resp: 2161
Ion Ratio Lower Upper
128 100
127 4.7 10.4 15.6#
129 9.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 2.38 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050280.D
Acq: 2 Aug 2018 22:49

Tgt Ion:180 Resp: 899
Ion Ratio Lower Upper
180 100
182 92.4 48.1 144.4
145 28.4 15.3 45.9

