

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050154.D
 Acq On : 28 Jul 2018 1:21
 Operator : MD\SY
 Sample : J4189-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

Quant Time: Jul 28 03:51:27 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	652851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	937027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	405525	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	465316	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
35) Dibromofluoromethane	7.60	113	408510	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	10.09	98	1488348	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
62) 4-Bromofluorobenzene	12.40	95	435641	40.56	ug/l	0.00
Spiked Amount			Recovery	=	81.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	64	Below Cal	#	9
8) Diethyl Ether	3.41	74	6679	1.44	ug/l	91
14) Allyl chloride	4.55	41	16830	1.44	ug/l	# 24
16) Acetone	3.82	43	108273	46.94	ug/l	98
18) Methyl Acetate	4.34	43	39852	3.25	ug/l	99
20) Methylene Chloride	4.55	84	495805	61.68	ug/l	99
25) 2-Butanone	6.85	43	4693	1.35	ug/l	# 82
28) Bromochloromethane	7.38	49	2343	0.34	ug/l	# 10
29) Tetrahydrofuran	7.24	42	608	0.27	ug/l	# 40
30) Chloroform	7.38	83	29635	1.92	ug/l	99
31) Cyclohexane	7.67	56	12003	0.89	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	45680	3.73	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	59555	4.58	ug/l	# 17
41) Methacrylonitrile	7.19	41	62	2.76	ug/l	# 10
43) Isopropyl Acetate	8.17	43	478133	29.25	ug/l	# 85
44) Trichloroethene	8.84	130	13928	1.39	ug/l	96
47) Bromodichloromethane	9.41	83	7383	0.57	ug/l	96
48) Methyl methacrylate	9.18	41	9919	1.35	ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	2565	0.31	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	2790	0.20	ug/l	# 76
56) Ethyl methacrylate	10.23	69	2867	2.26	ug/l	# 89
59) 2-Hexanone	10.77	43	22061	8.68	ug/l	# 57
64) Tetrachloroethene	10.63	164	3713	0.41	ug/l	90
67) Ethyl Benzene	11.51	91	8849	0.23	ug/l	96
68) m/p-Xylenes	11.62	106	7332	0.51	ug/l	98
69) o-Xylene	11.96	106	2860	0.21	ug/l	96
70) Styrene	11.97	104	693	0.95	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.41	83	337	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	216349	28.71	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	216349	91.05	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.04	105	9918	0.40	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.28	75	492	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	134	3.10	ug/l	# 41
95) Naphthalene	15.14	128	6053744	302.43	ug/l	100

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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

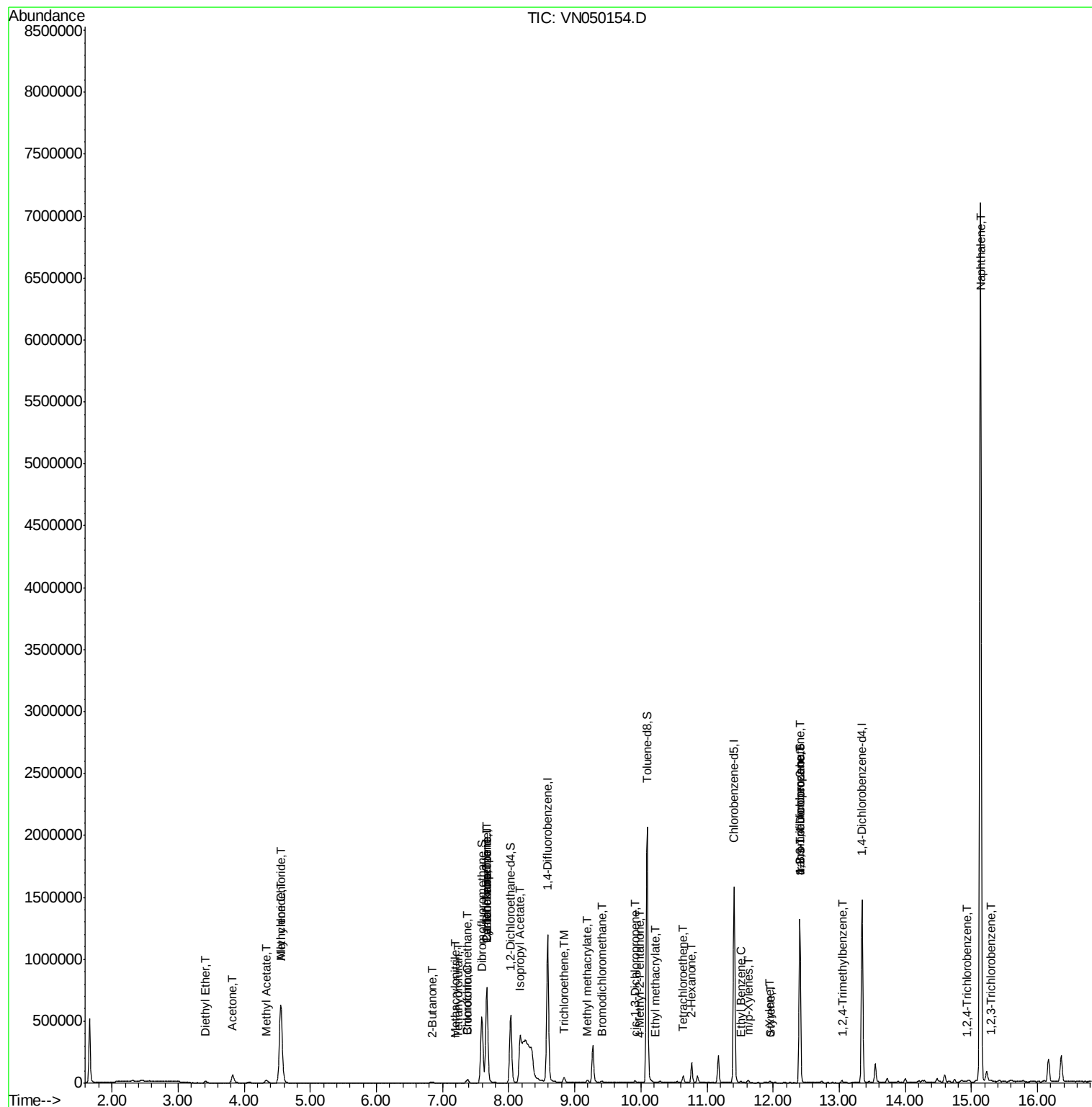
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	30	2.21	ug/l #	1

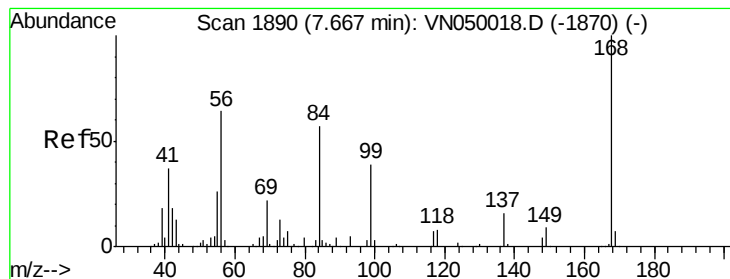
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072718\
Data File : VN050154.D
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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: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

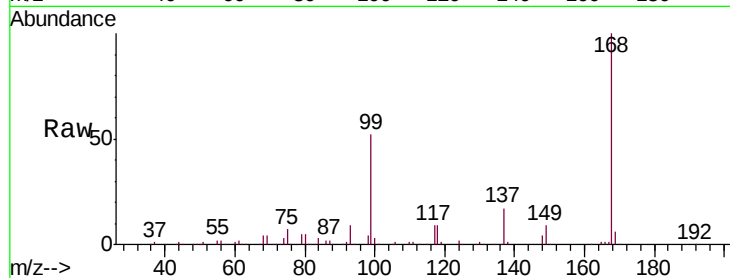
TP-14-S

Tot Ion:168 Resp: 652851

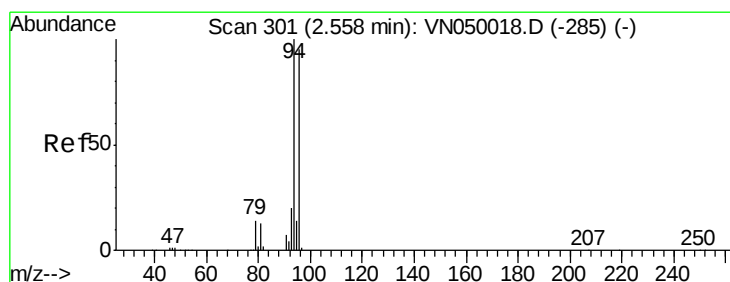
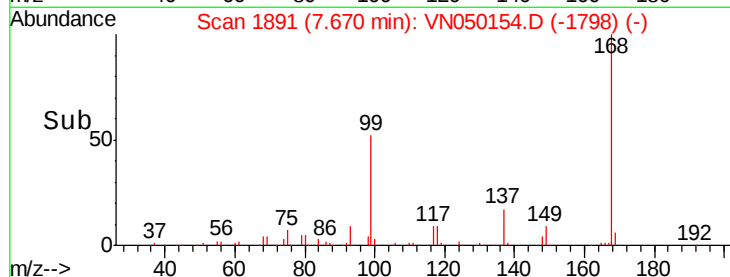
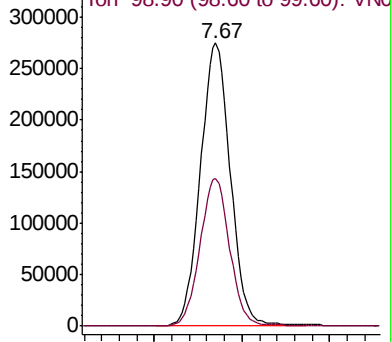
Ion Ratio Lower Upper

168 100

99 52.2 40.0 60.0



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



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN050154.D

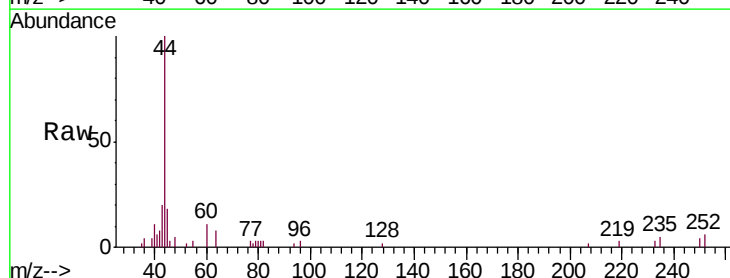
Acq: 28 Jul 2018 1:21

Tgt Ion: 94 Resp: 64

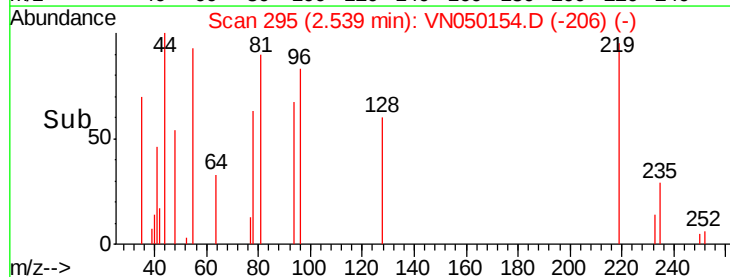
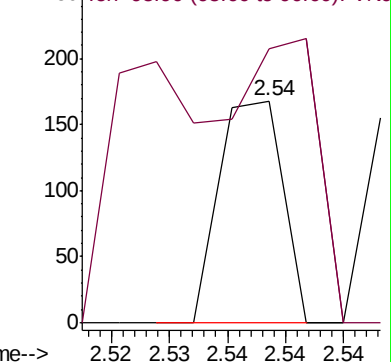
Ion Ratio Lower Upper

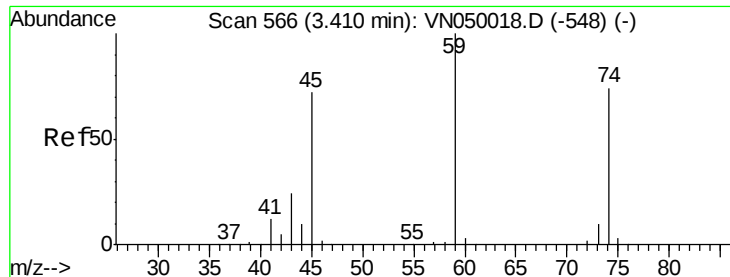
94 100

96 6.0 74.6 112.0#



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





#8

Diethyl Ether

Concen: 1.44 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

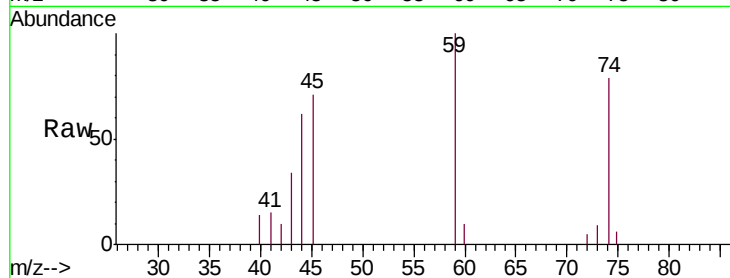
TP-14-S

Tot Ion: 74 Resp: 6679

Ion Ratio Lower Upper

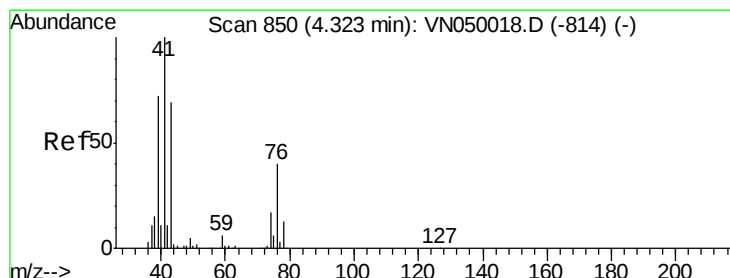
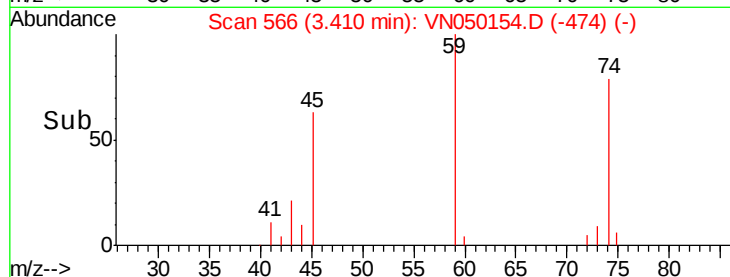
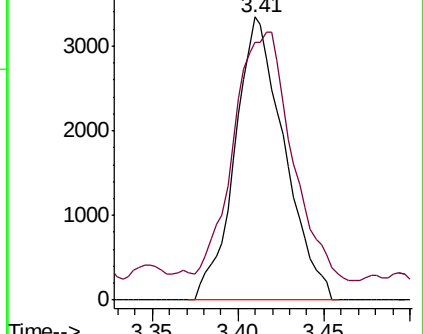
74 100

45 103.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO



#14

Allyl chloride

Concen: 1.44 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

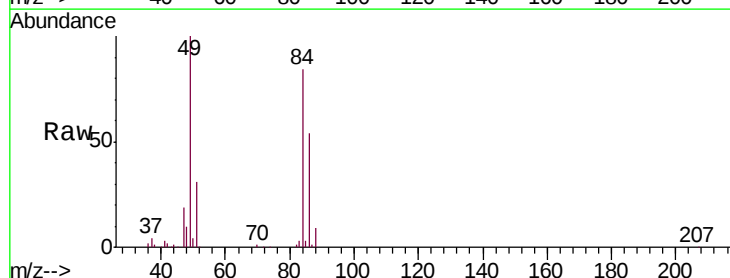
Tgt Ion: 41 Resp: 16830

Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

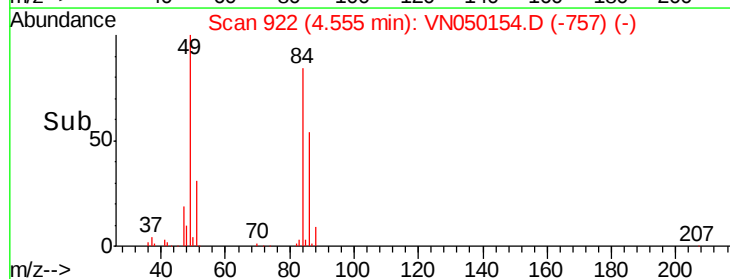
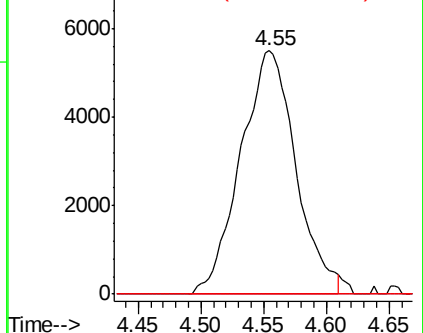
76 0.0 29.0 43.6#

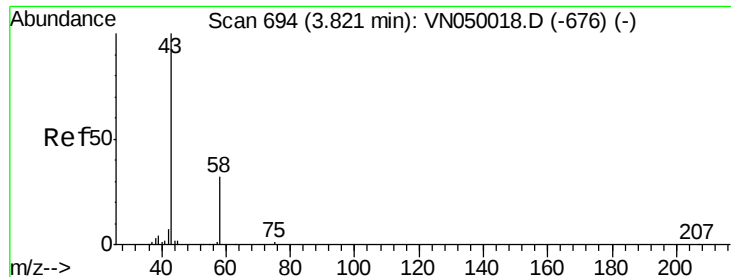


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: 46.94 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

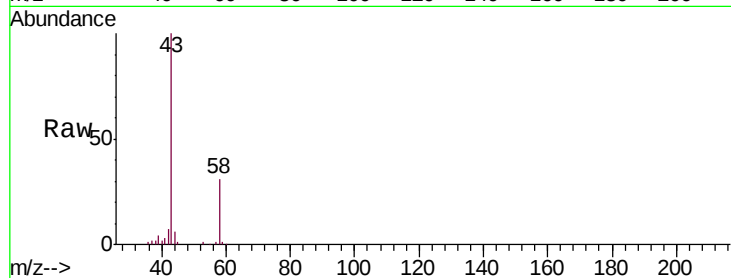
TP-14-S

Tot Ion: 43 Resp: 108273

Ion Ratio Lower Upper

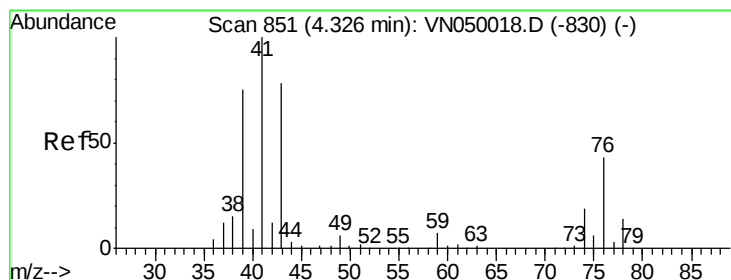
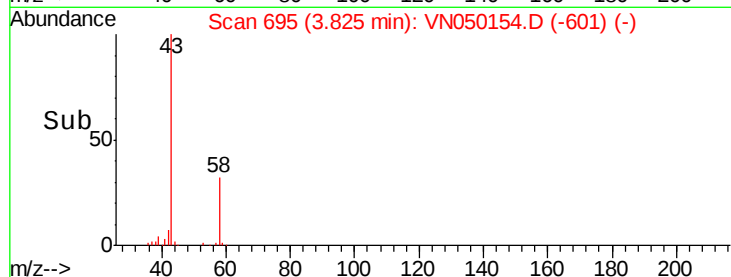
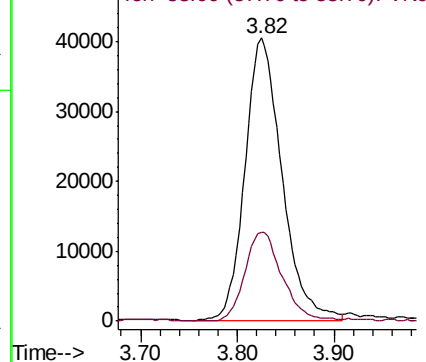
43 100

58 31.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.25 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050154.D

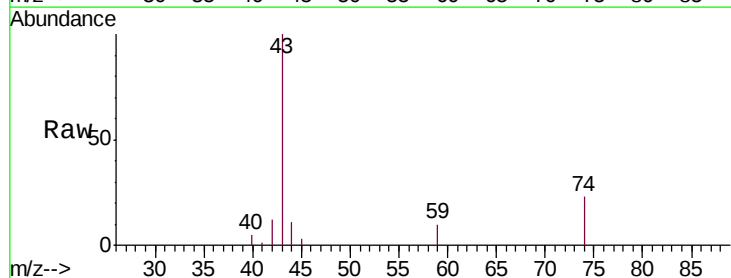
Acq: 28 Jul 2018 1:21

Tgt Ion: 43 Resp: 39852

Ion Ratio Lower Upper

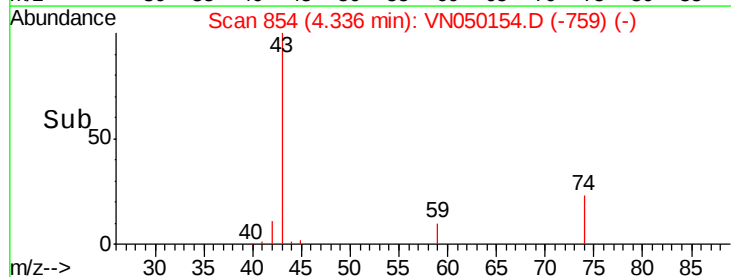
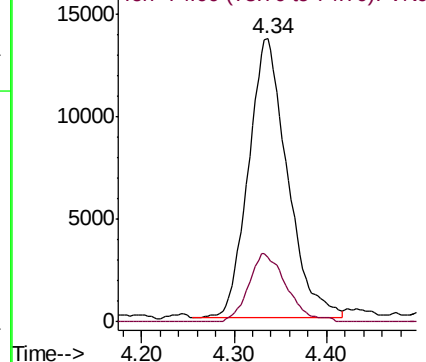
43 100

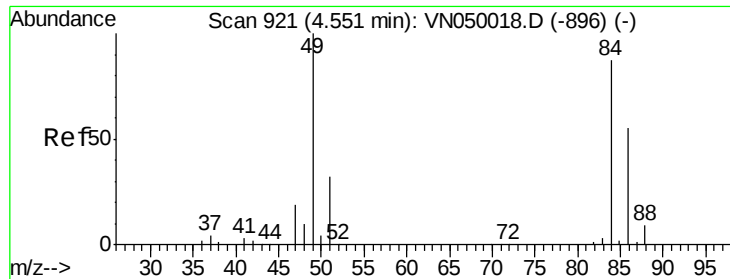
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

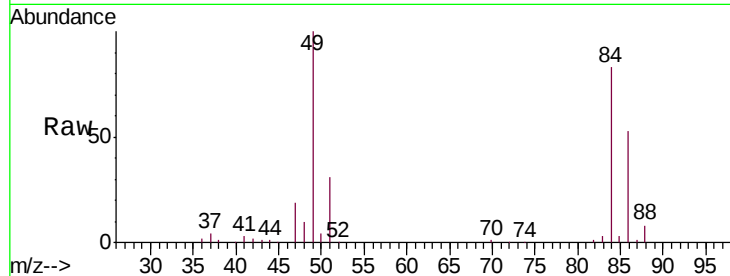




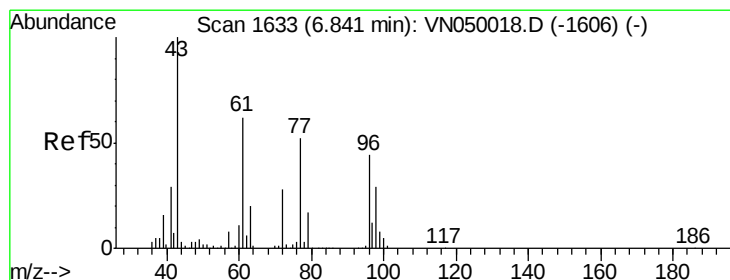
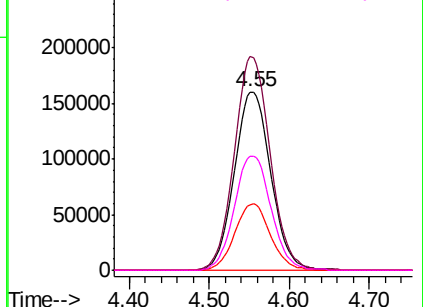
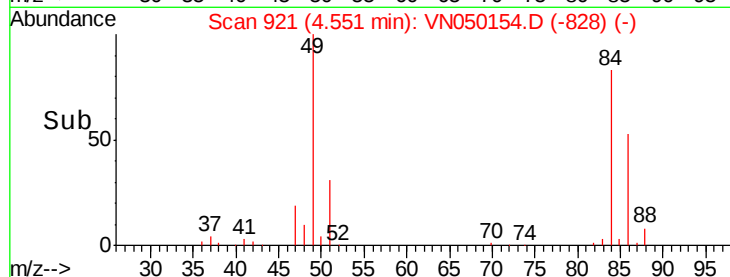
#20
Methvlene Chloride
Concen: 61.68 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampled :
TP-14-S

Tot Ion: 84 Resp: 495805
Ion Ratio Lower Upper
84 100
49 119.8 94.8 142.2
51 36.9 28.3 42.5
86 64.0 51.0 76.6

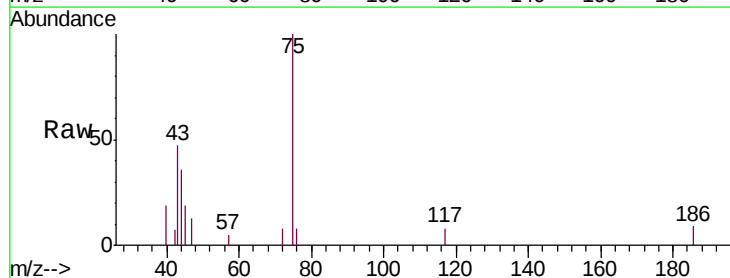


Abundance Ion 83.90 (83.60 to 84.60): VNC
300000
Ion 48.90 (48.60 to 49.60): VNC
250000
Ion 50.90 (50.60 to 51.60): VNC
200000
Ion 85.90 (85.60 to 86.60): VNC
150000
100000
50000
0

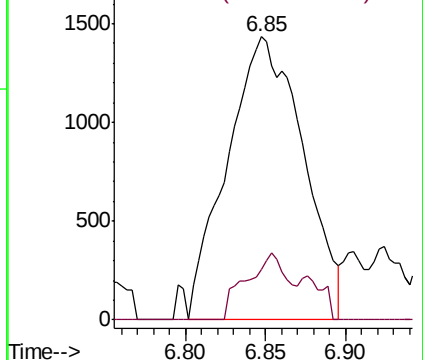
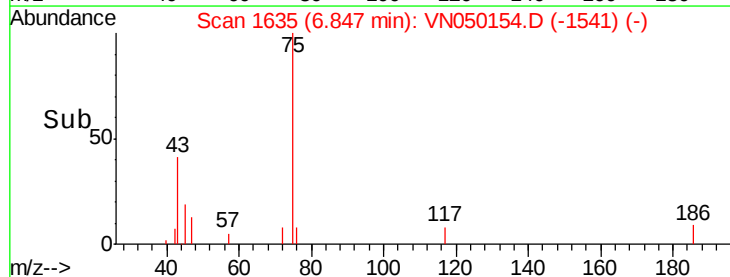


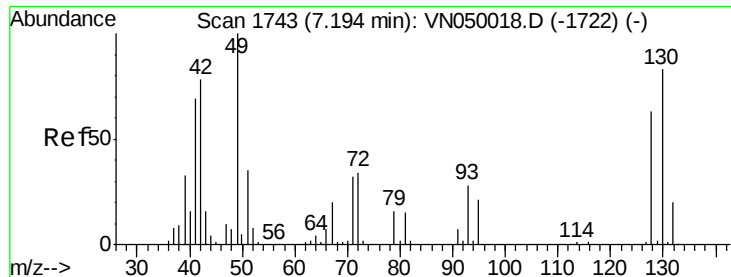
#25
2-Butanone
Concen: 1.35 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
72 17.8 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VNC
1500
Ion 72.00 (71.70 to 72.70): VNC
1000
500
0





#28

Bromochloromethane

Concen: 0.34 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.18 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

TP-14-S

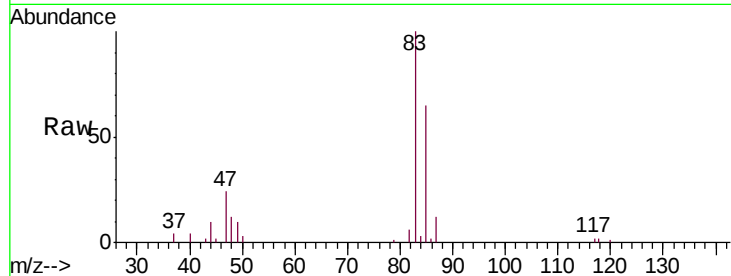
Tot Ion: 49 Resp: 2343

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

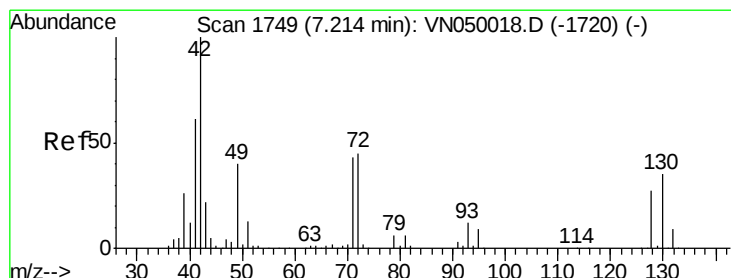
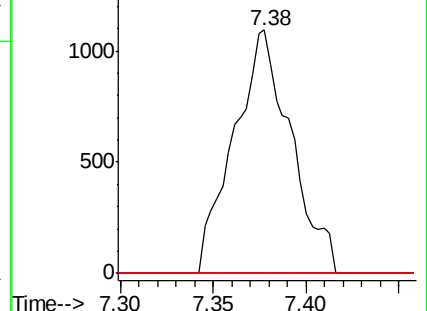
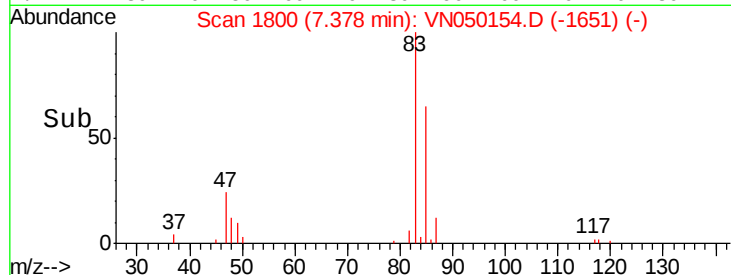
130 0.0 66.3 99.5#



Abundance Ion 48.90 (48.60 to 49.60): VNO

Ion 128.80 (128.50 to 129.50): VNO

Ion 129.80 (129.50 to 130.50): VNO



#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 7.24 min Scan# 1756

Delta R.T. 0.02 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

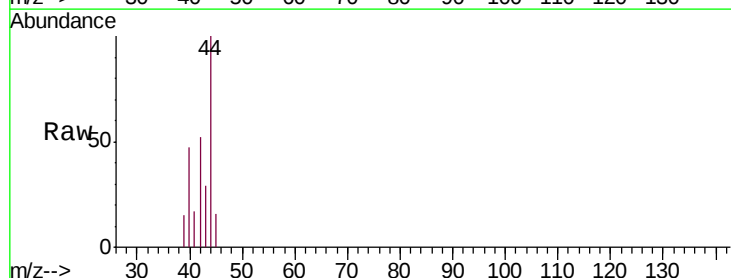
Tgt Ion: 42 Resp: 608

Ion Ratio Lower Upper

42 100

72 10.2 35.9 53.9#

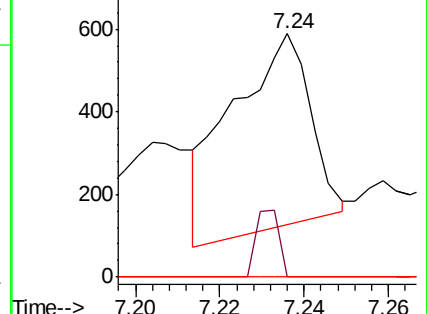
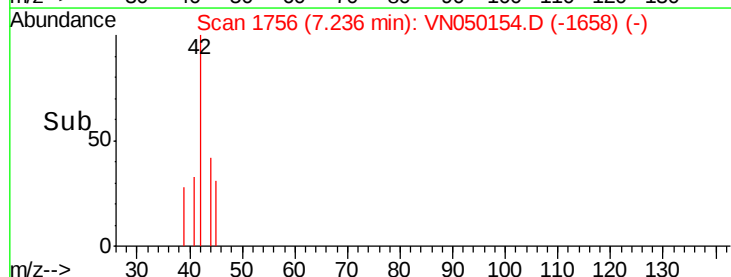
71 0.0 33.7 50.5#

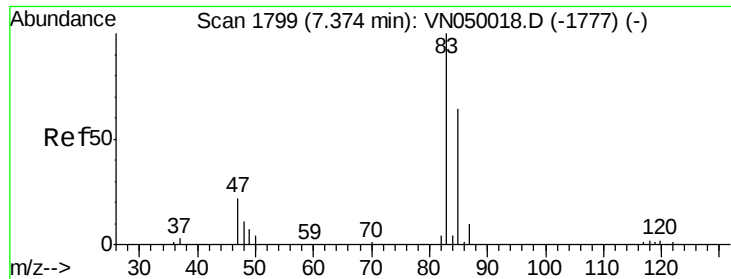


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

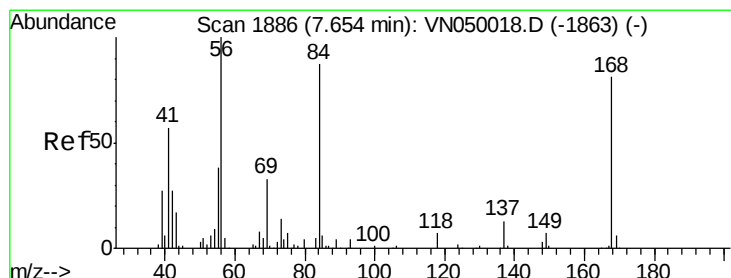
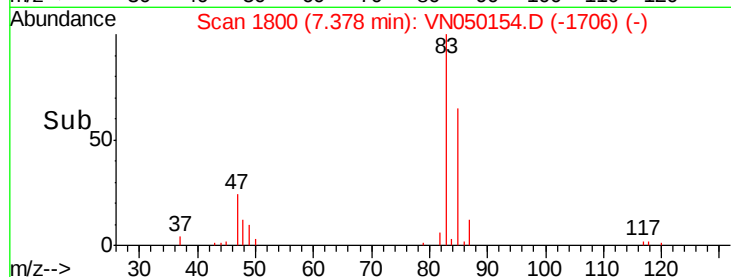
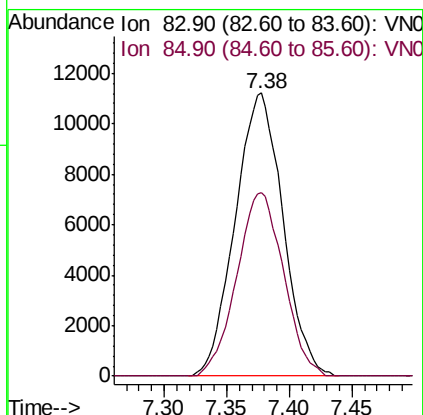
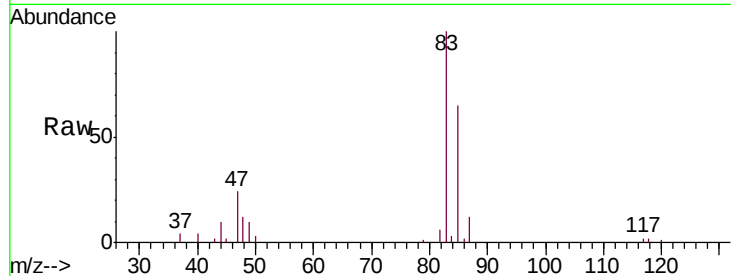




#30
Chloroform
Concen: 1.92 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

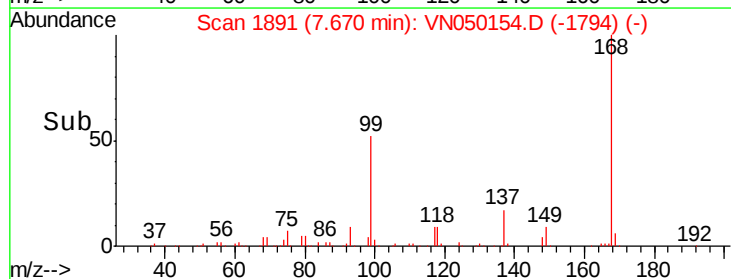
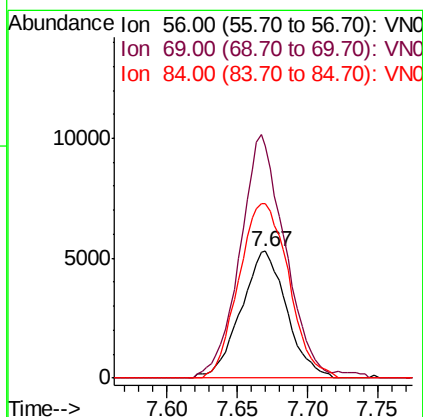
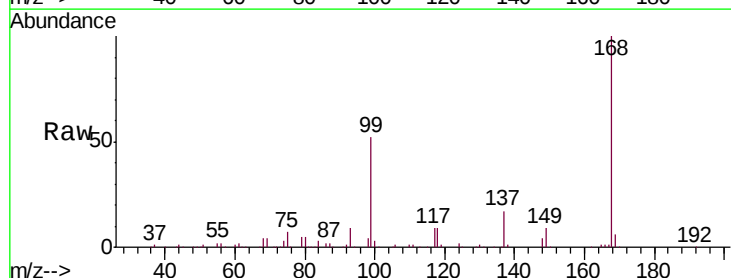
Instrument :
MSVOA_N
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TP-14-S

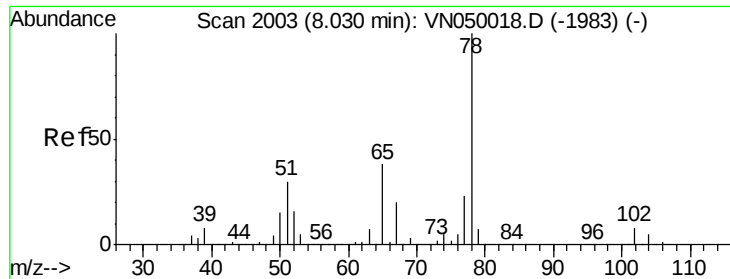
Tot Ion: 83 Resp: 29635
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion: 56 Resp: 12003
Ion Ratio Lower Upper
56 100
69 183.2 26.2 39.4#
84 137.7 67.4 101.0#

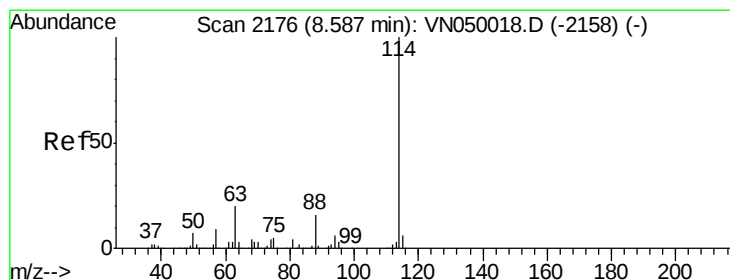
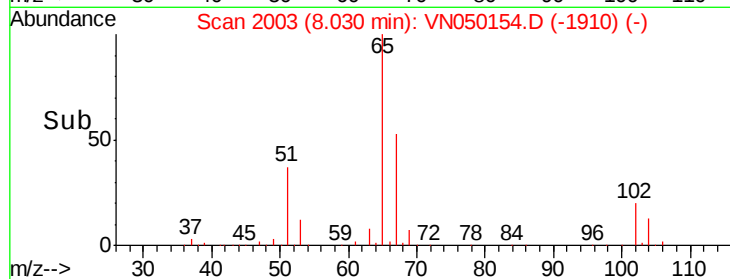
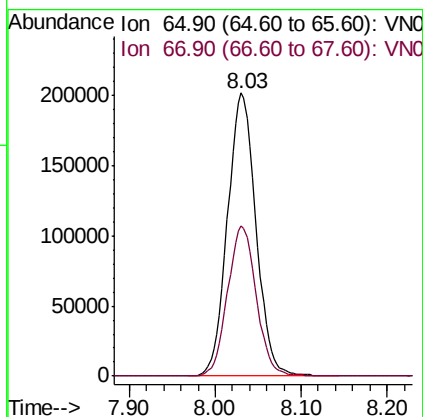
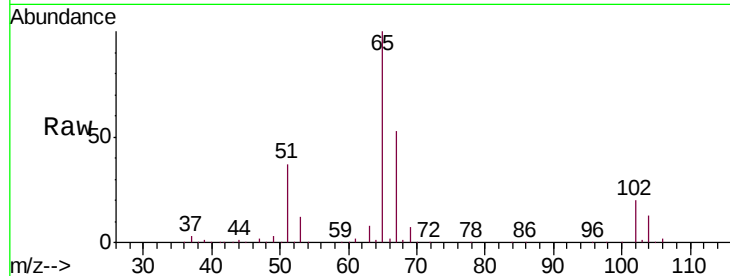




#33
 1,2-Dichloroethane-d4
 Concen: 51.08 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

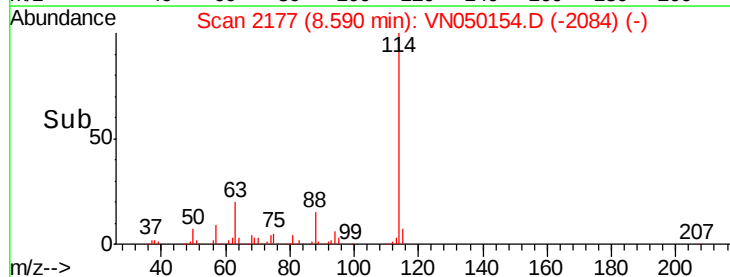
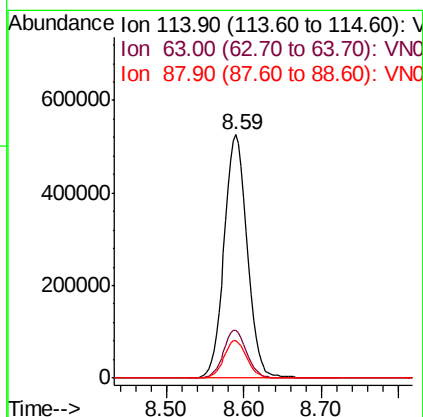
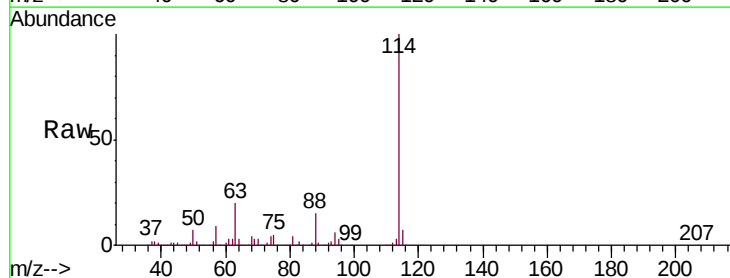
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

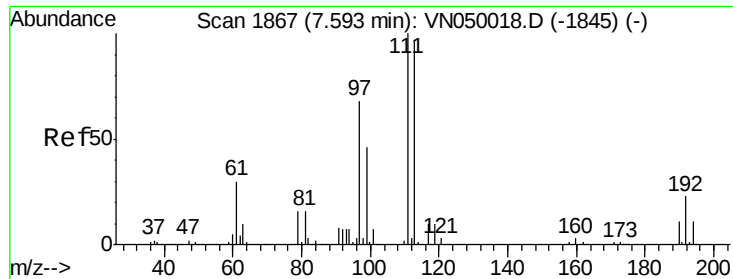
Tot Ion: 65 Resp: 465316
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Tgt Ion: 114 Resp: 1086773
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 31.2

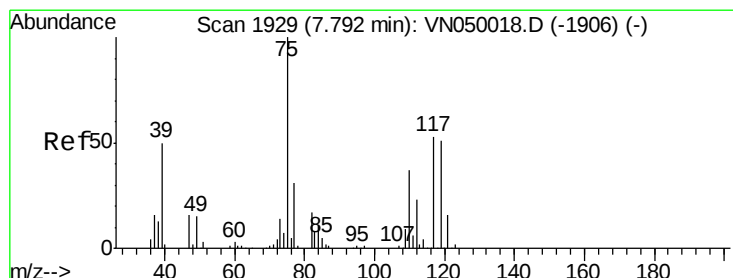
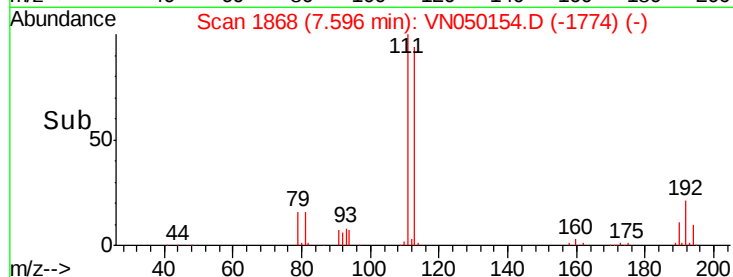
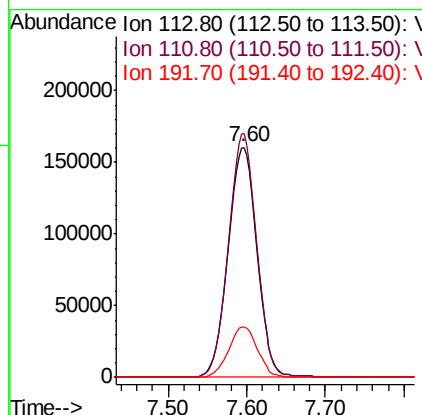
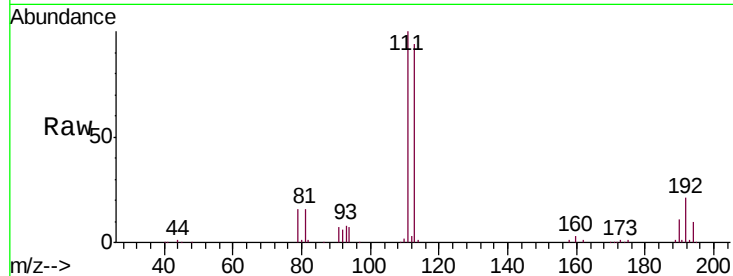




#35
 Dibromofluoromethane
 Concen: 46.04 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

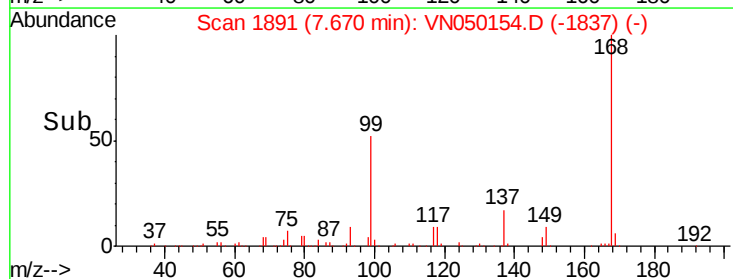
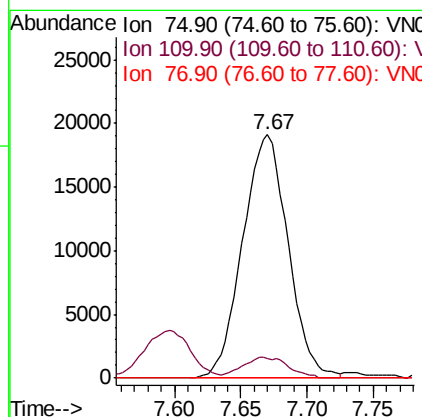
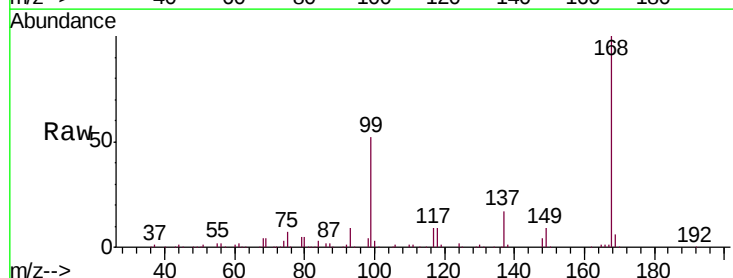
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

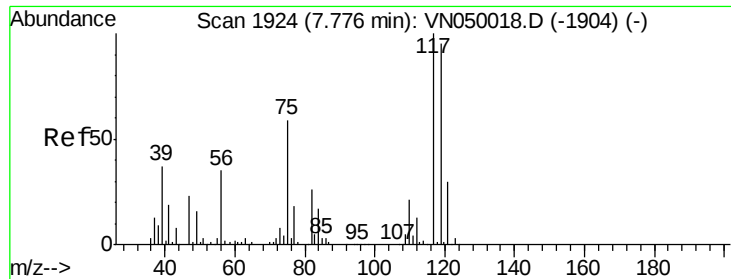
Tot Ion:113 Resp: 408510
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Tgt Ion: 75 Resp: 45680
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.58 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

TP-14-S

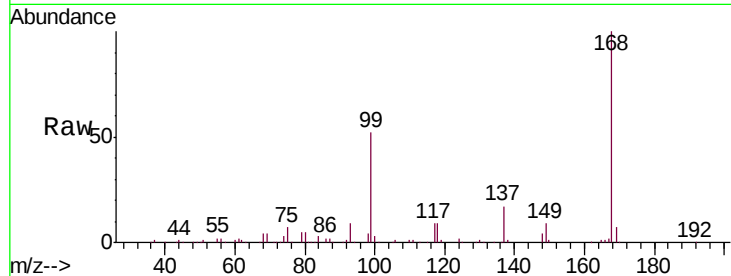
Tot Ion:117 Resp: 59555

Ion Ratio Lower Upper

117 100

119 6.8 77.4 116.0#

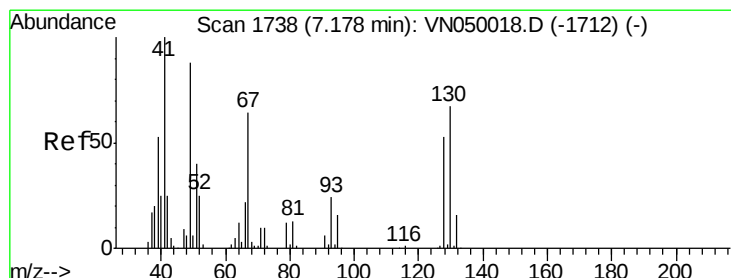
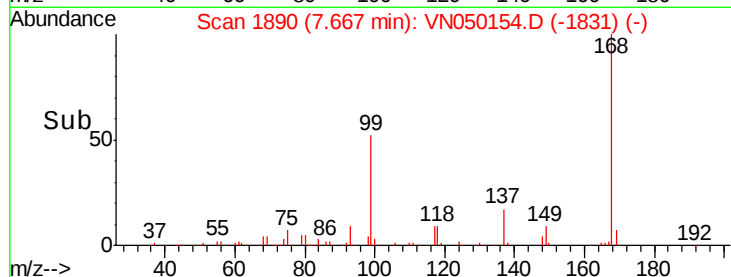
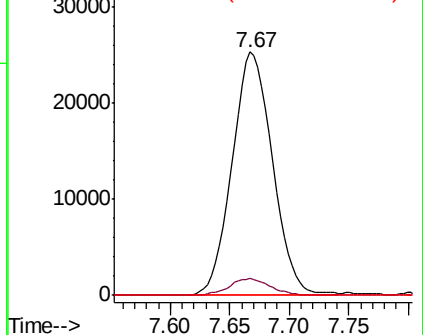
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.76 ug/l

RT: 7.19 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Tgt Ion: 41 Resp: 62

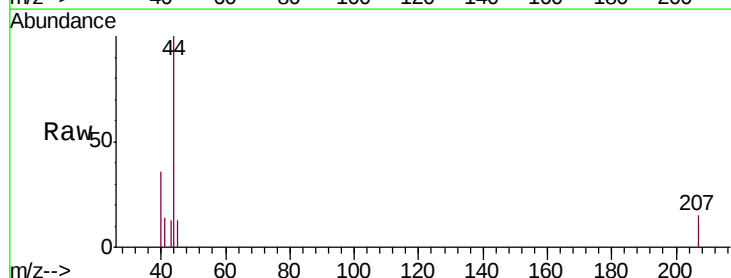
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

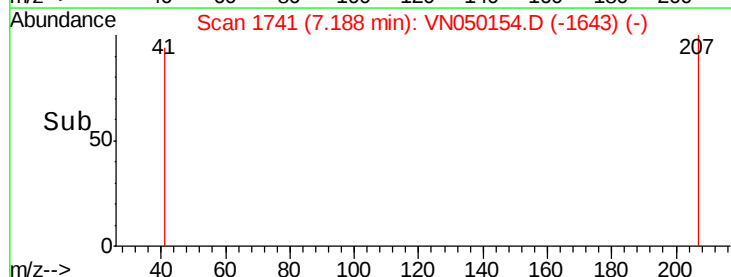
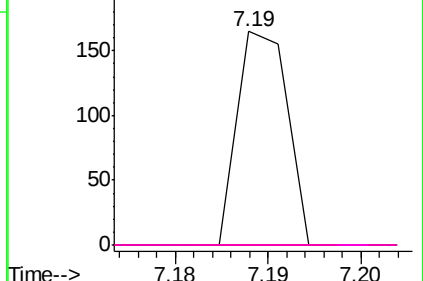


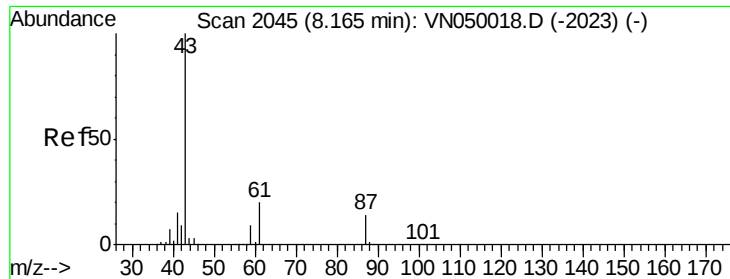
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



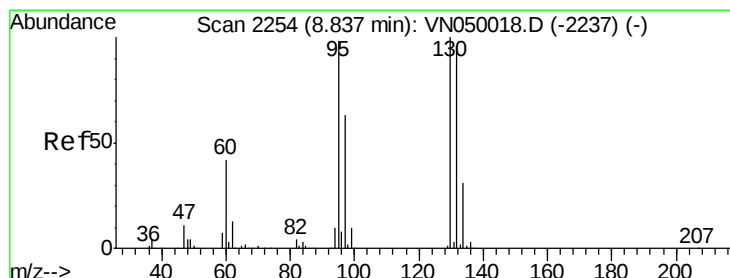
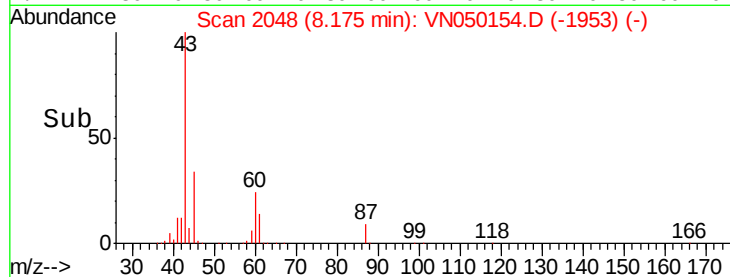
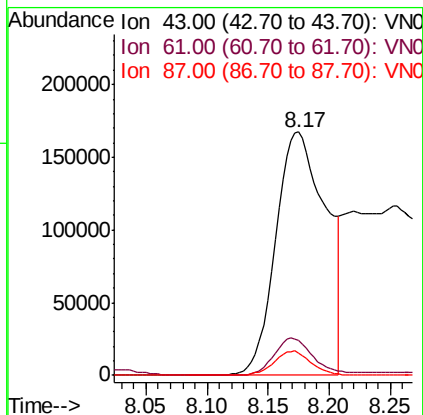
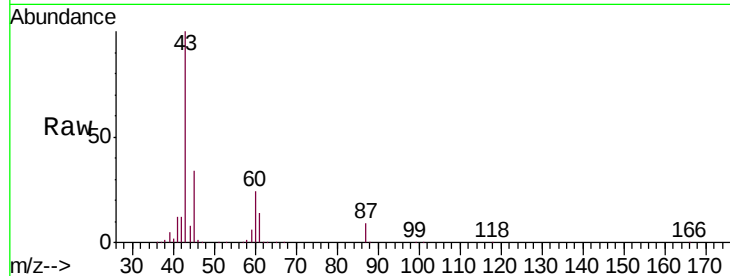


#43

Isopropyl Acetate
 Concen: 29.25 ug/l
 RT: 8.17 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Instrument :
 MSVOA_N
 ClientSampled :
 TP-14-S

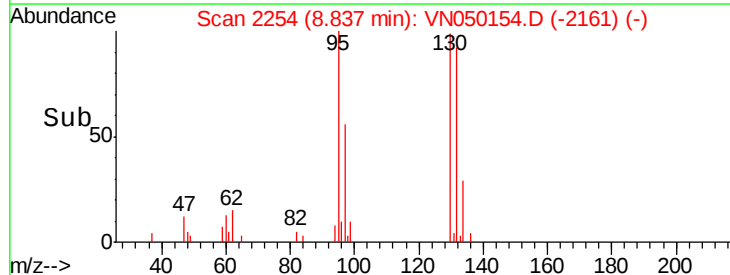
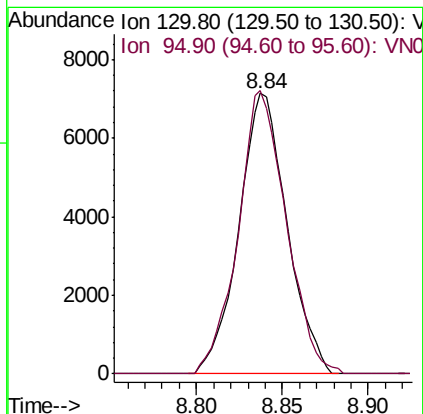
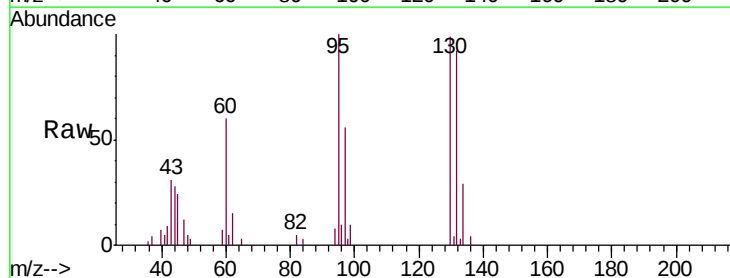
Tot Ion: 43 Resp: 478133
 Ion Ratio Lower Upper
 43 100
 61 12.3 15.8 23.6#
 87 7.4 10.3 15.5#

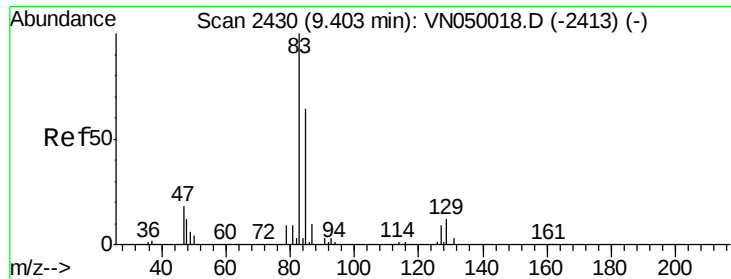


#44

Trichloroethene
 Concen: 1.39 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Tgt Ion:130 Resp: 13928
 Ion Ratio Lower Upper
 130 100
 95 100.8 0.0 194.6





#47

Bromodichloromethane

Concen: 0.57 ug/l

RT: 9.41 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

TP-14-S

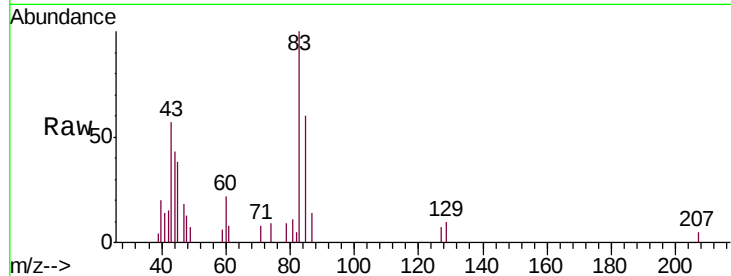
Tot Ion: 83 Resp: 7383

Ion Ratio Lower Upper

83 100

85 60.4 51.1 76.7

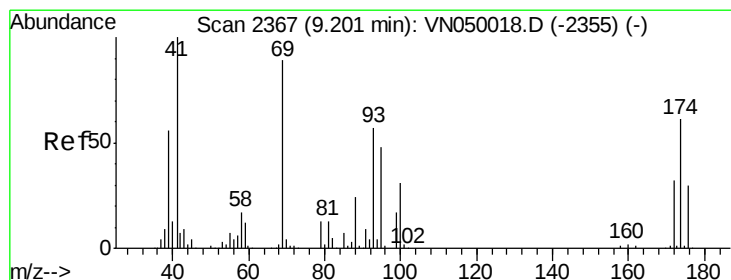
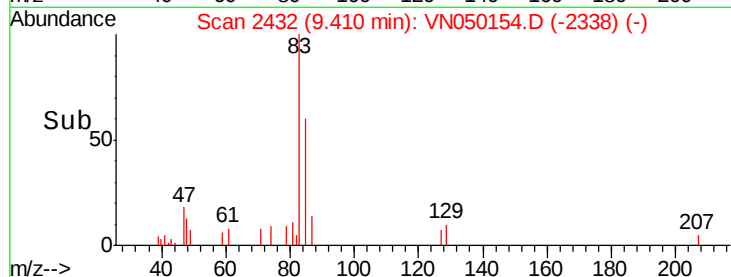
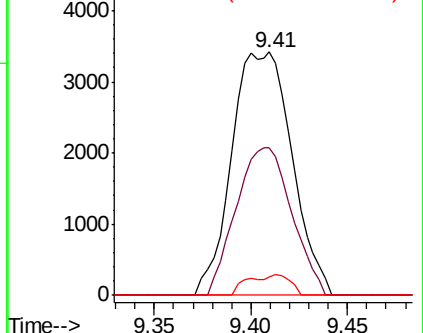
127 7.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 1.35 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

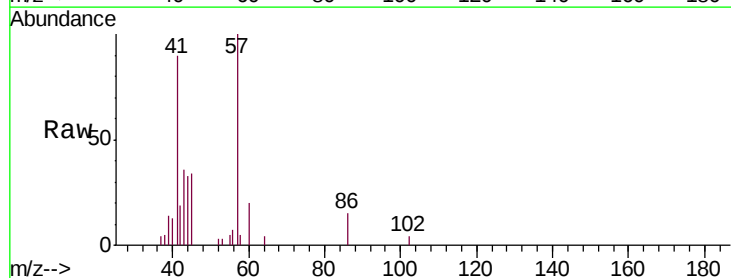
Tgt Ion: 41 Resp: 9919

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

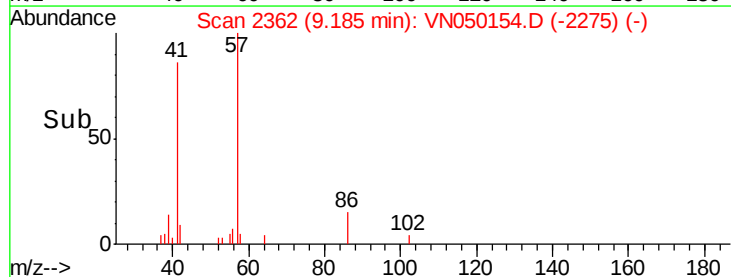
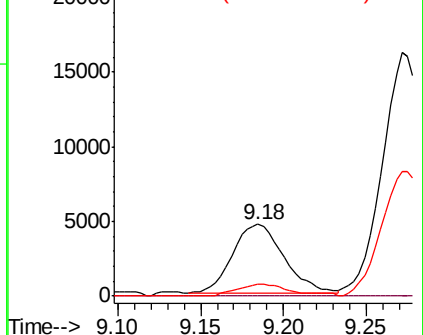
39 17.8 43.9 65.9#

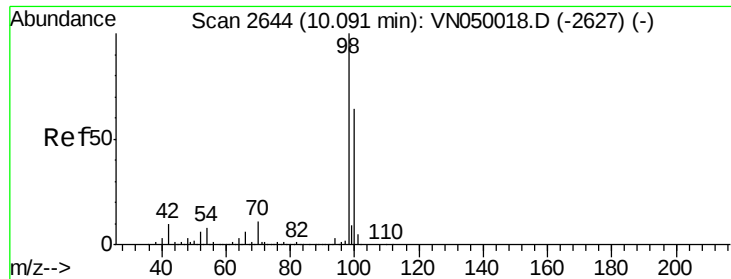


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 45.62 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

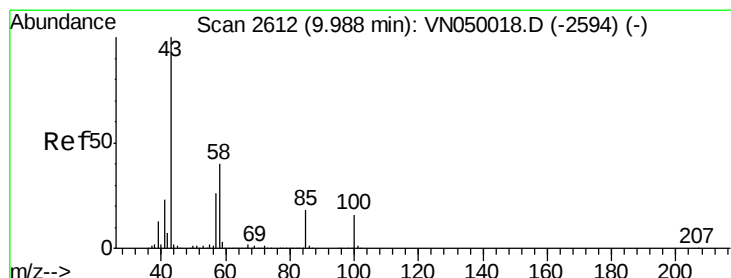
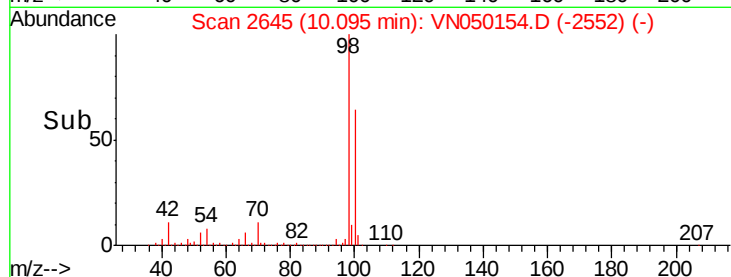
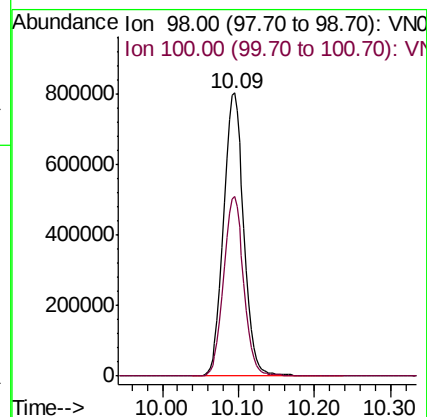
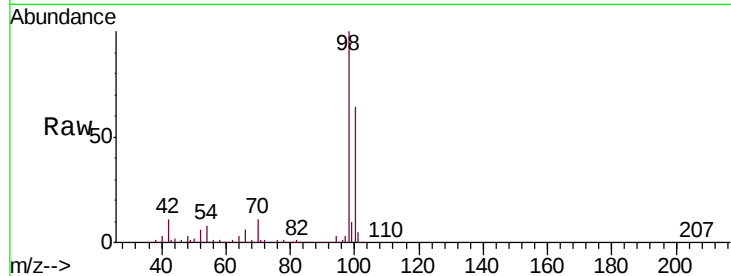
TP-14-S

Tot Ion: 98 Resp: 1488348

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.31 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050154.D

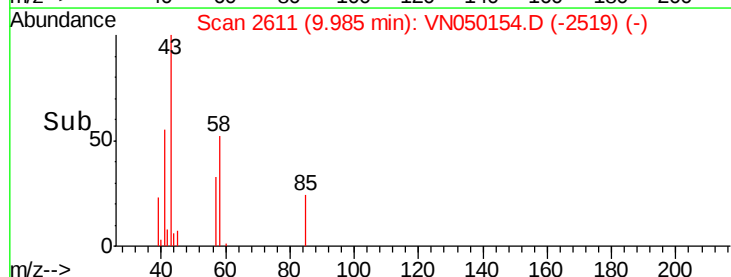
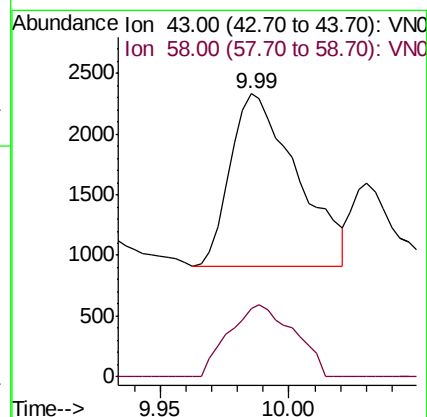
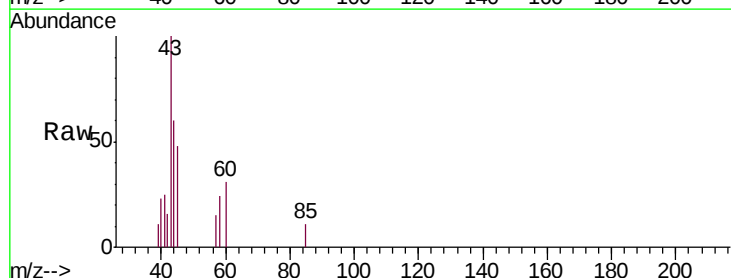
Acq: 28 Jul 2018 1:21

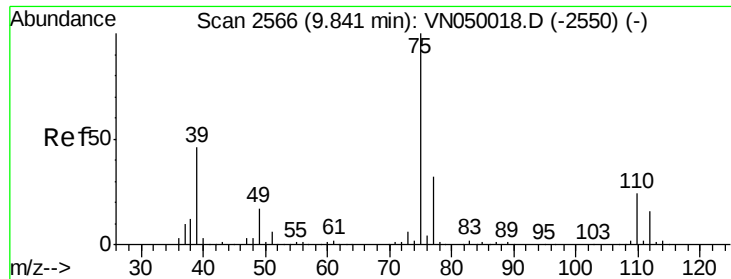
Tgt Ion: 43 Resp: 2565

Ion Ratio Lower Upper

43 100

58 40.8 31.9 47.9



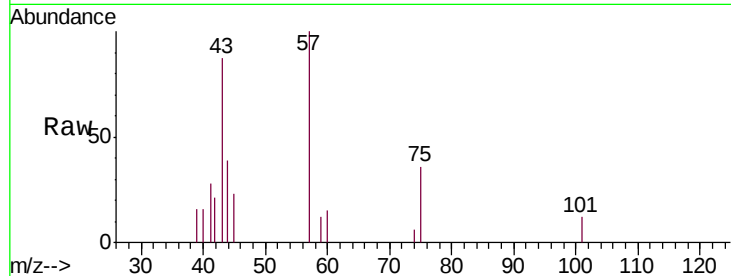


#54

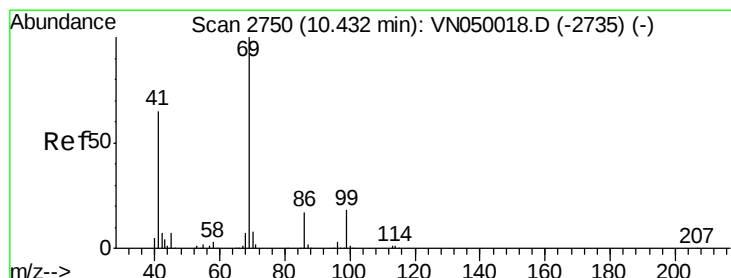
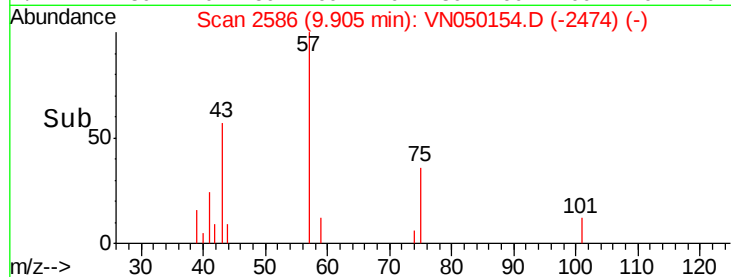
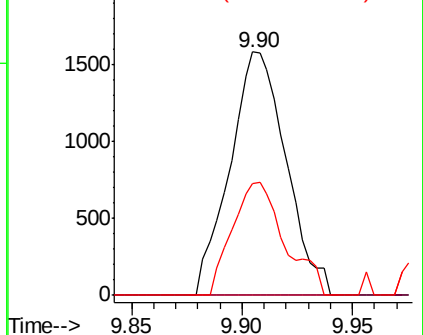
cis-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 9.90 min Scan# 2586
Delta R.T. 0.06 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampled :
TP-14-S

Tot Ion: 75 Resp: 2790
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 46.1 36.6 55.0



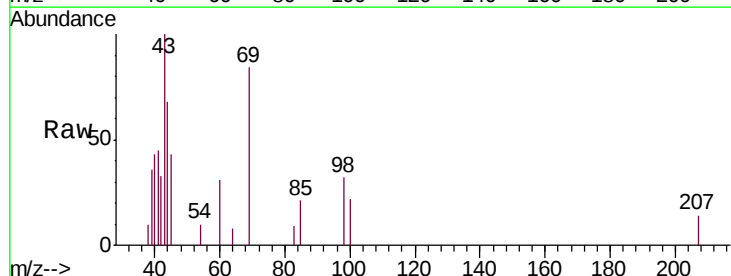
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



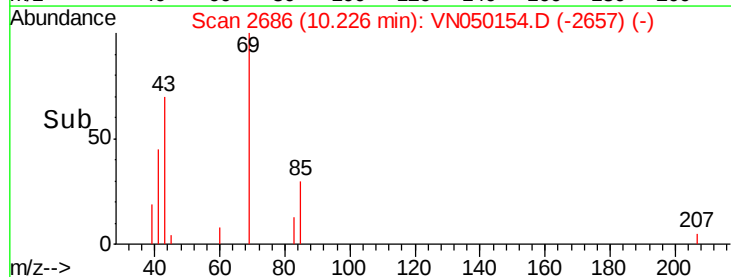
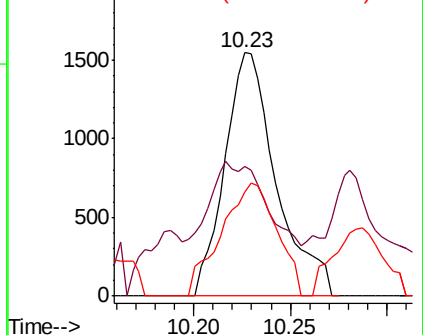
#56

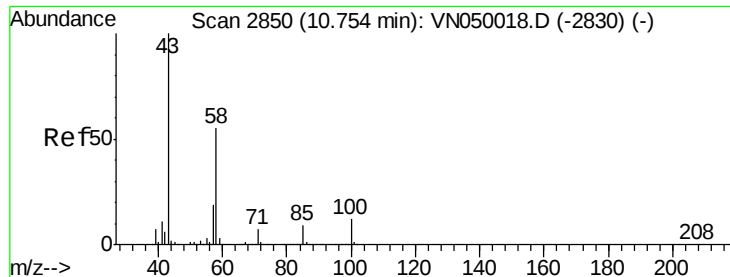
Ethyl methacrylate
Concen: 2.26 ug/l
RT: 10.23 min Scan# 2686
Delta R.T. -0.21 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion: 69 Resp: 2867
Ion Ratio Lower Upper
69 100
41 64.6 51.0 76.4
39 50.2 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#59

2-Hexanone

Concen: 8.68 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

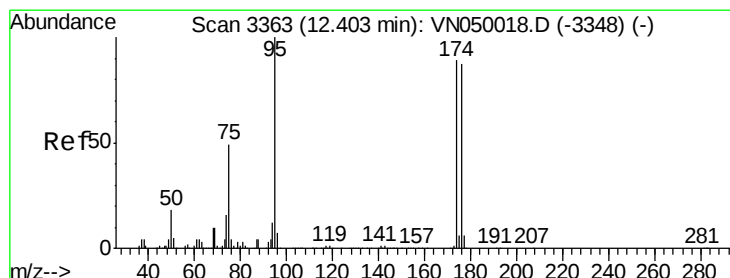
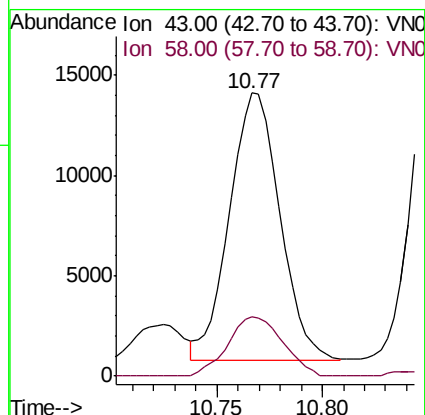
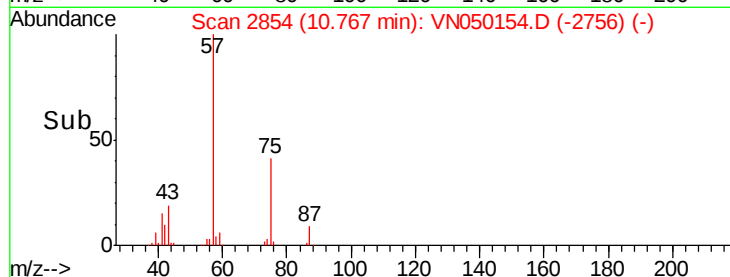
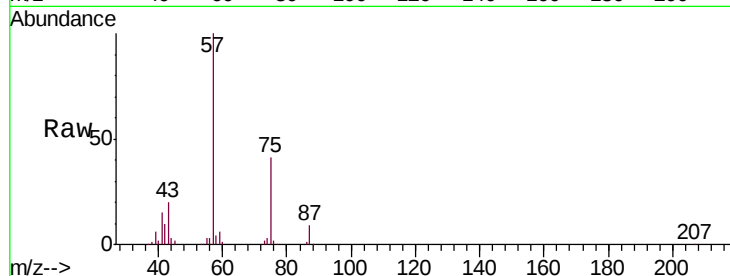
TP-14-S

Tot Ion: 43 Resp: 22061

Ion Ratio Lower Upper

43 100

58 24.3 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 40.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

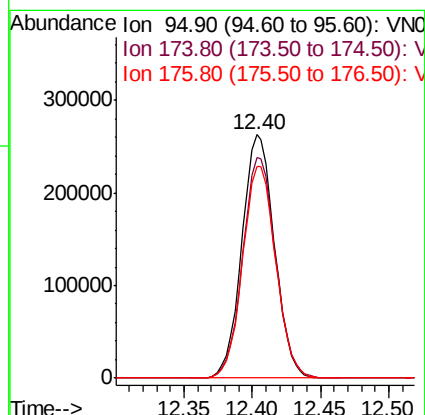
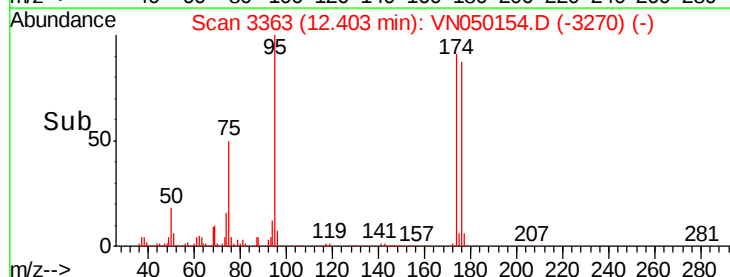
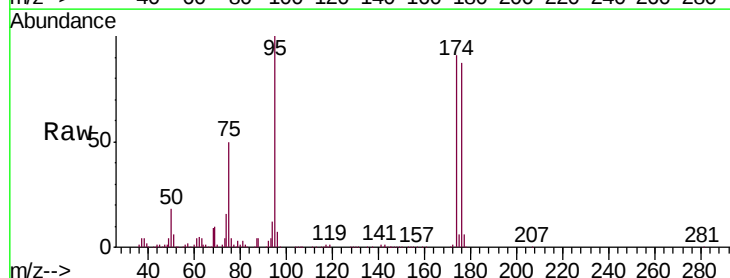
Tgt Ion: 95 Resp: 435641

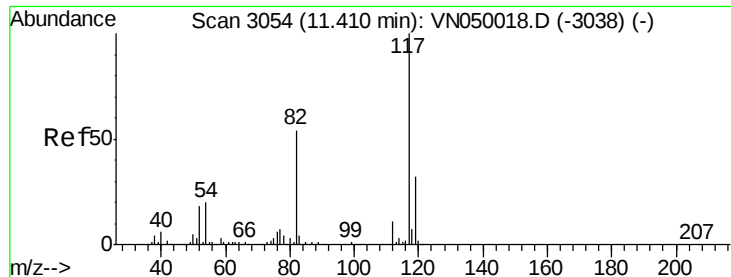
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 88.5 0.0 173.4

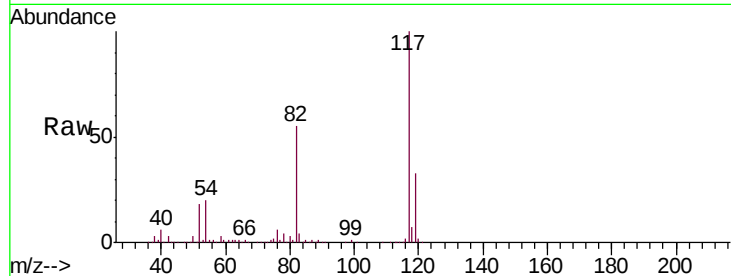




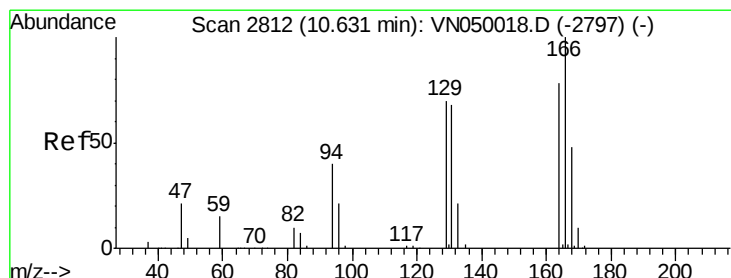
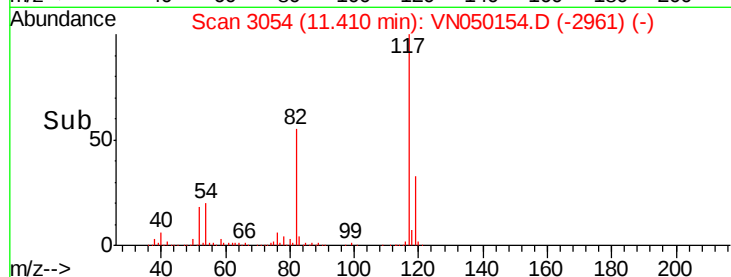
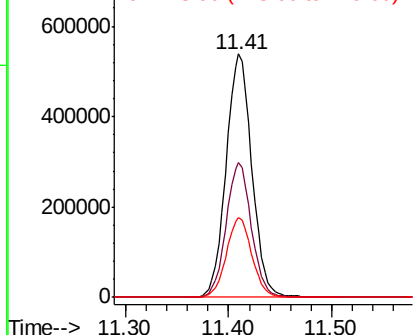
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampleId :
TP-14-S

Tot Ion:117 Resp: 937027
Ion Ratio Lower Upper
117 100
82 55.1 43.7 65.5
119 32.9 26.1 39.1

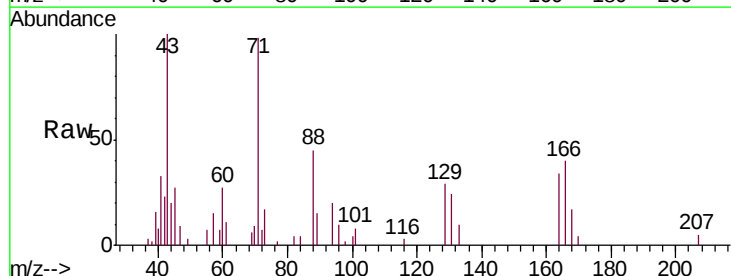


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

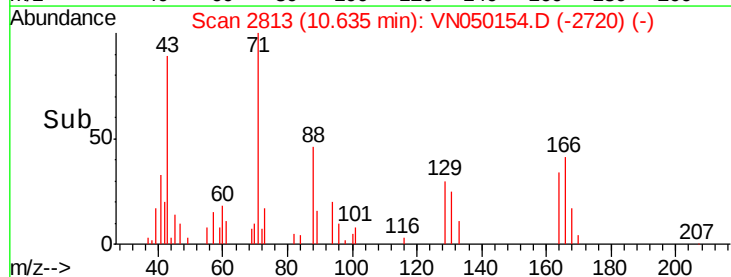
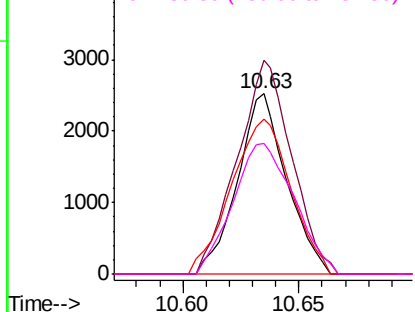


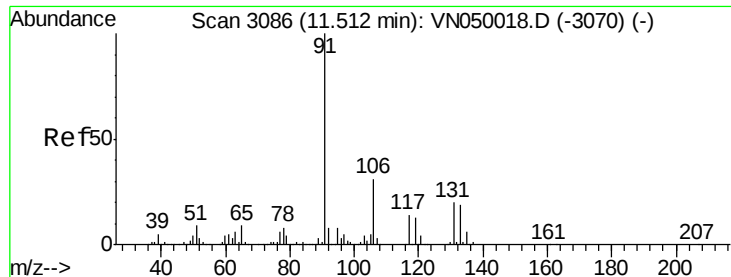
#64
Tetrachloroethene
Concen: 0.41 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion:164 Resp: 3713
Ion Ratio Lower Upper
164 100
166 118.7 102.1 153.1
129 86.1 73.2 109.8
131 72.7 70.6 106.0



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





#67

Ethyl Benzene

Concen: 0.23 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

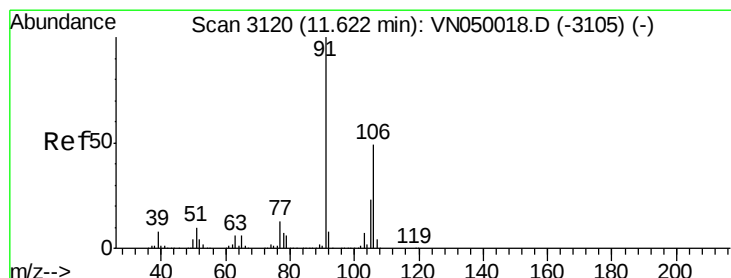
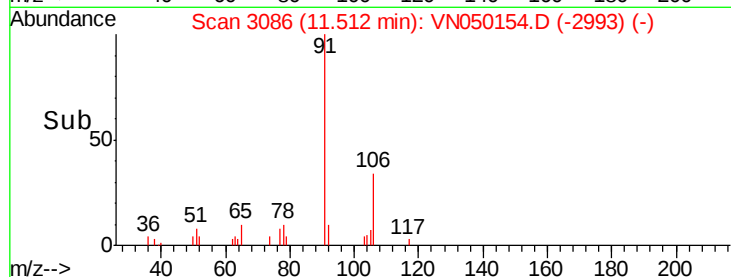
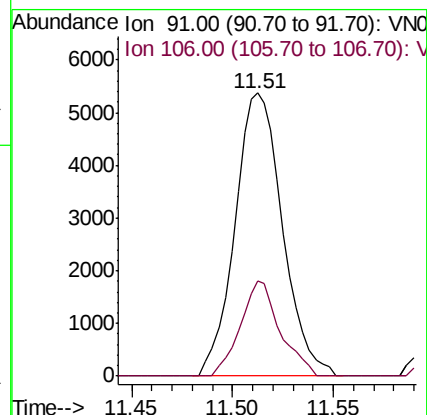
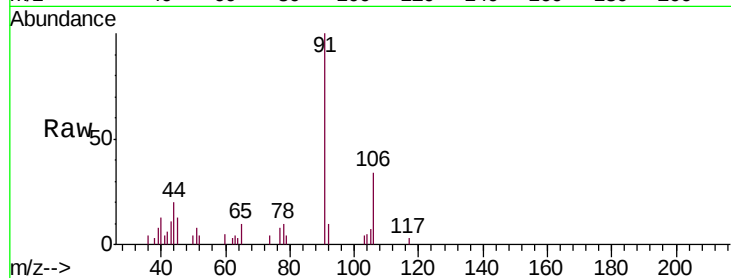
TP-14-S

Tot Ion: 91 Resp: 8849

Ion Ratio Lower Upper

91 100

106 33.6 25.0 37.4



#68

m/p-Xylenes

Concen: 0.51 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050154.D

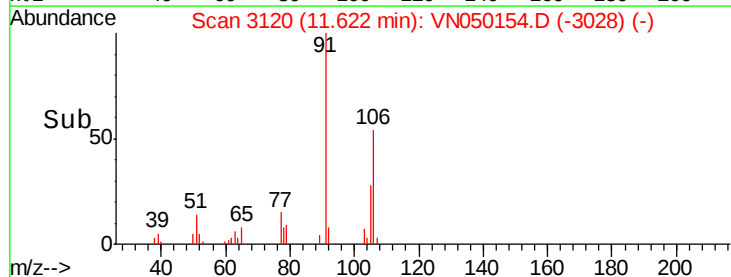
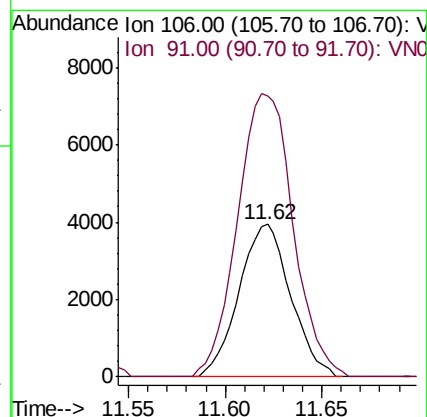
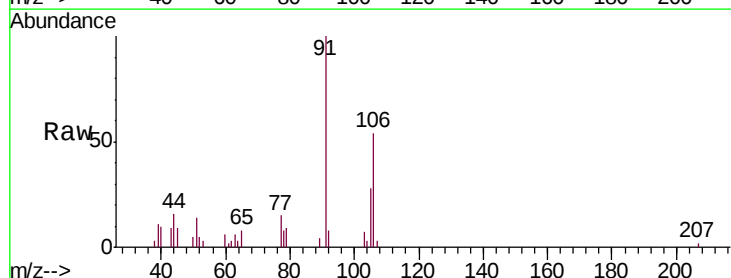
Acq: 28 Jul 2018 1:21

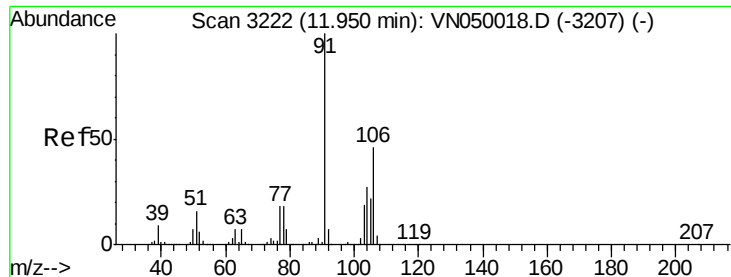
Tgt Ion: 106 Resp: 7332

Ion Ratio Lower Upper

106 100

91 199.8 162.2 243.2

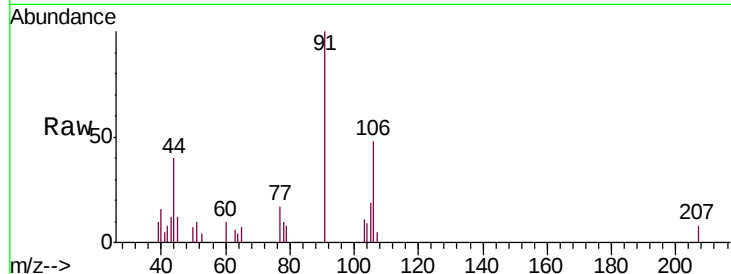




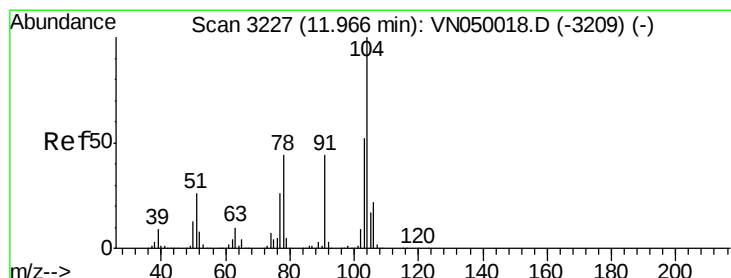
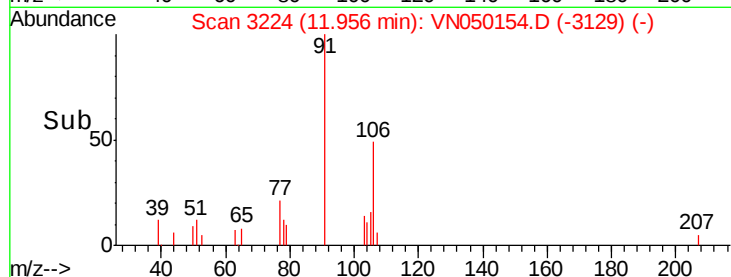
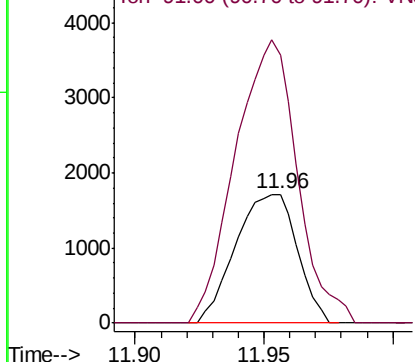
#69
o-Xylene
Concen: 0.21 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. 0.01 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampled :
TP-14-S

Tot Ion:106 Resp: 2860
Ion Ratio Lower Upper
106 100
91 222.0 107.7 323.1

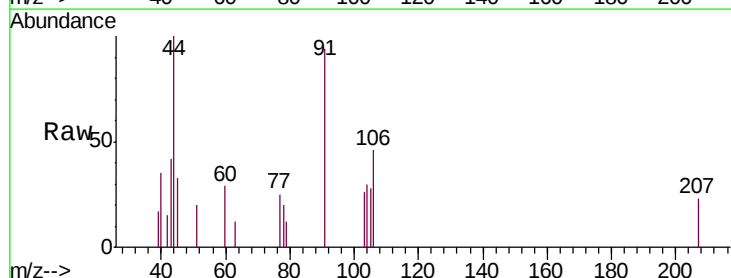


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

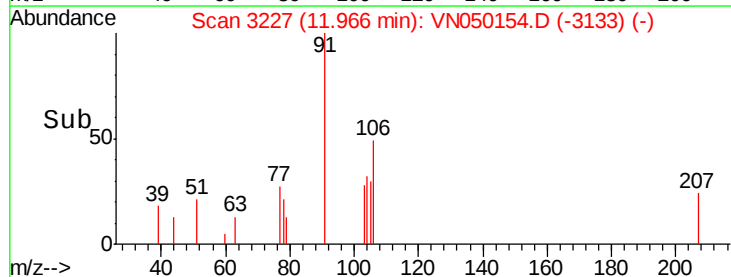
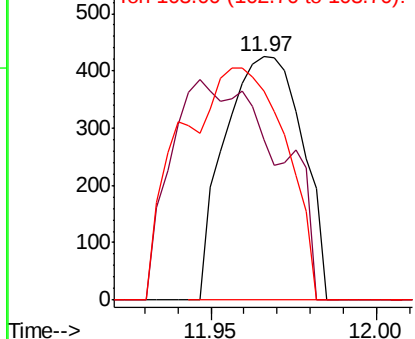


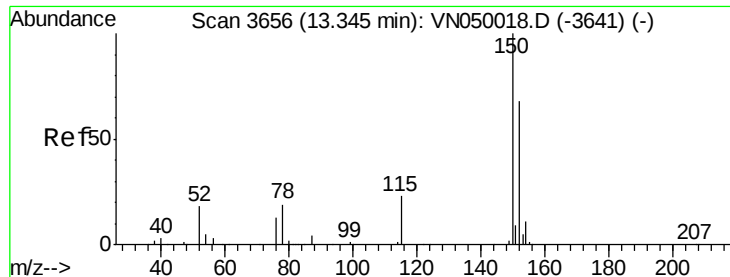
#70
Styrene
Concen: 0.95 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion:104 Resp: 693
Ion Ratio Lower Upper
104 100
78 124.0 39.3 58.9#
103 128.3 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

TP-14-S

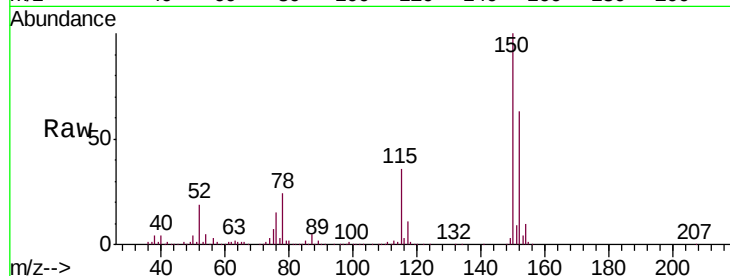
Tot Ion:152 Resp: 405525

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

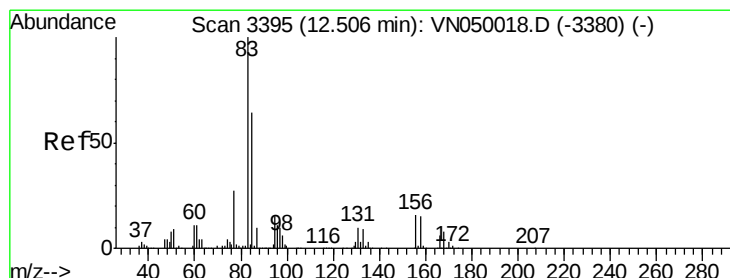
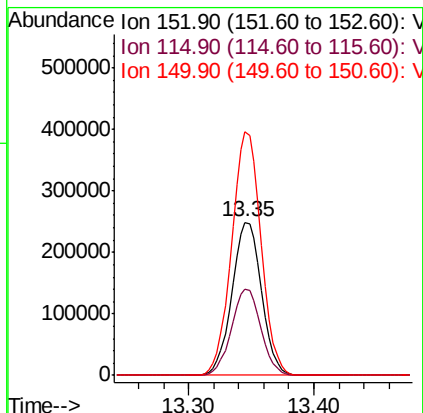
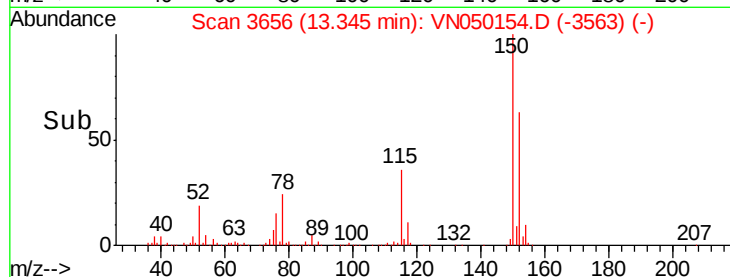
150 158.1 0.0 348.6



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: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

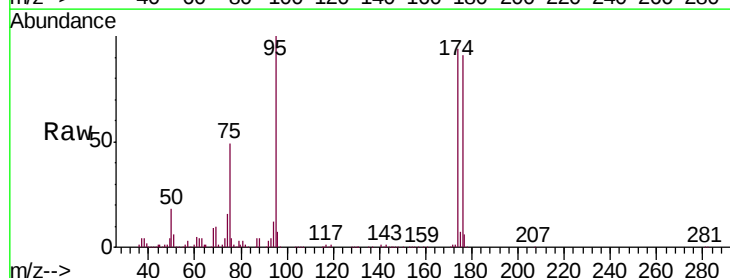
Tgt Ion: 83 Resp: 337

Ion Ratio Lower Upper

83 100

131 152.2 5.1 15.3#

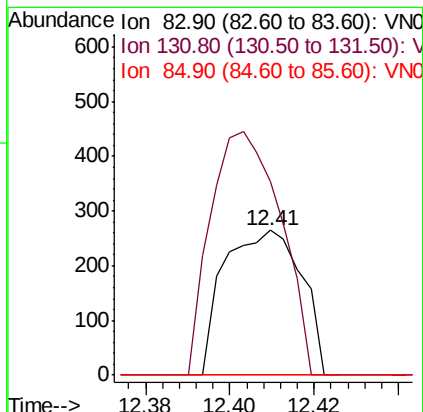
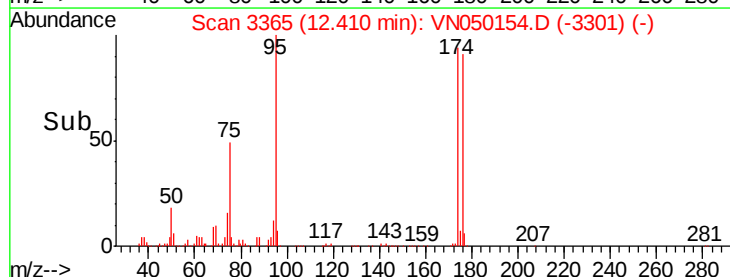
85 0.0 32.3 96.8#

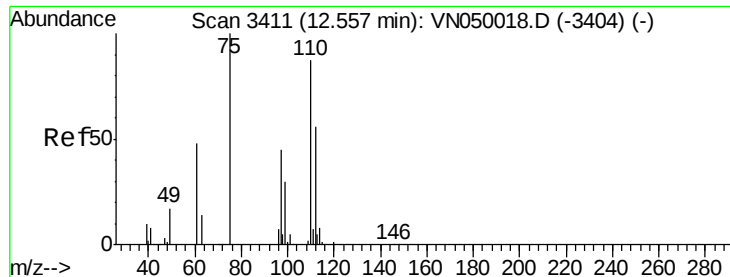


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 28.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

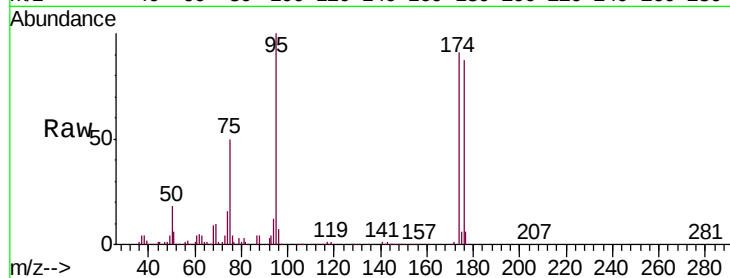
TP-14-S

Tot Ion: 75 Resp: 216349

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

150000

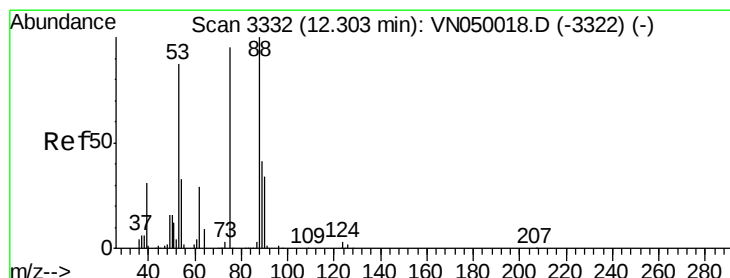
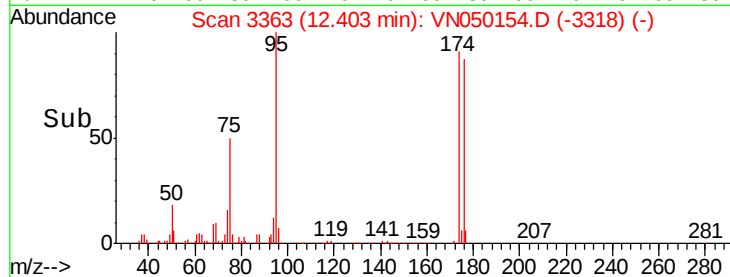
12.40

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 91.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

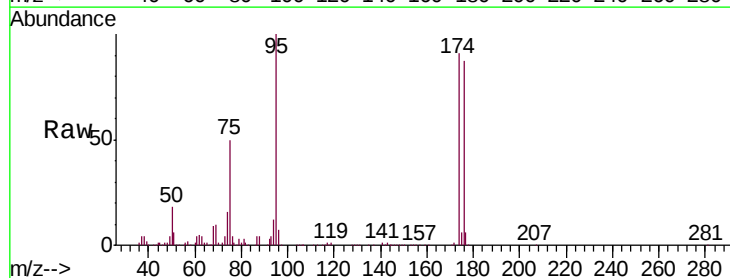
Tgt Ion: 75 Resp: 216349

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

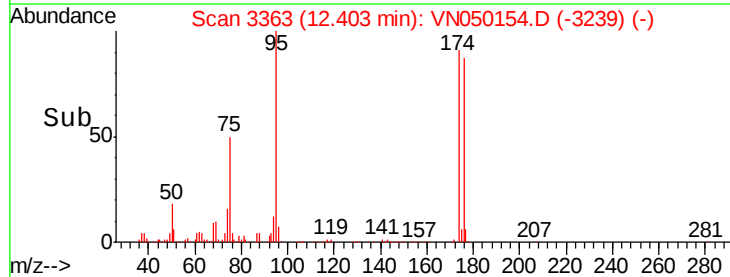
12.40

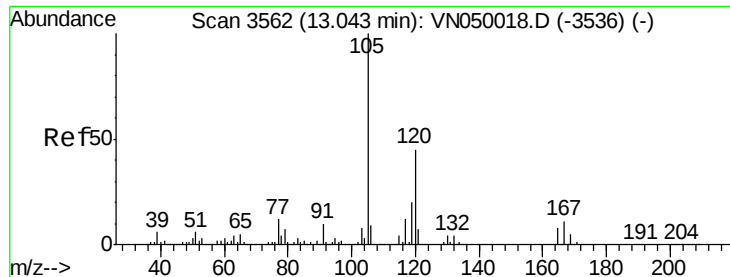
100000

50000

0

Time-->

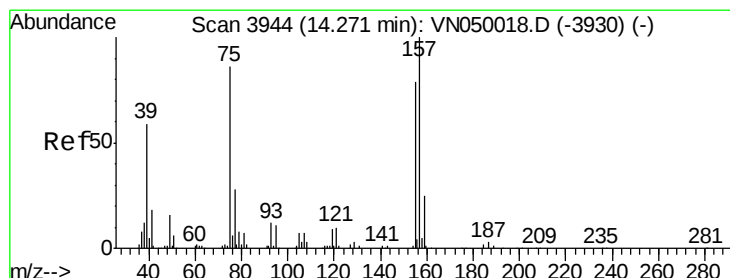
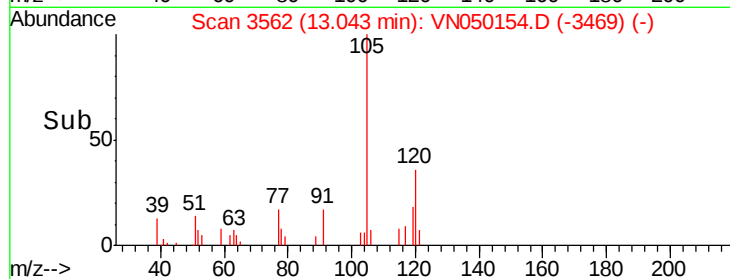
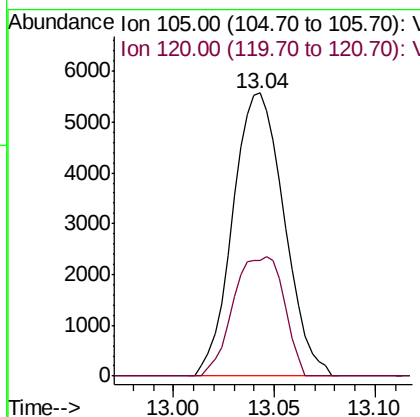
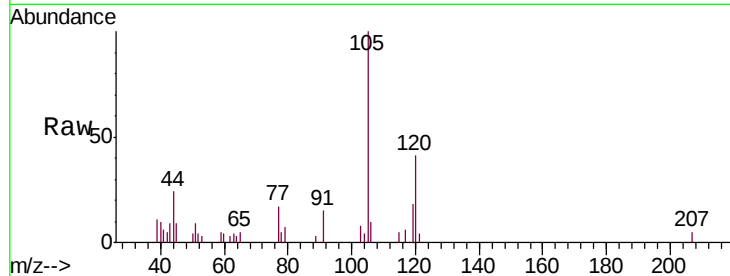




#84
 1,2,4-Trimethylbenzene
 Concen: 0.40 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

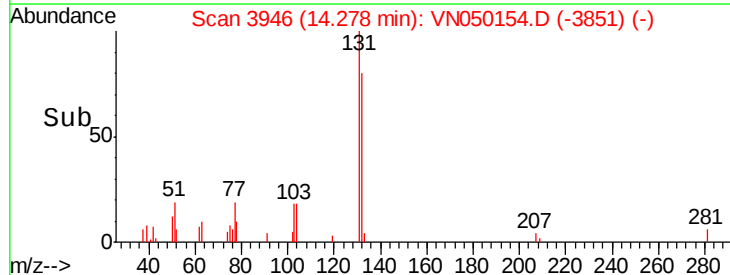
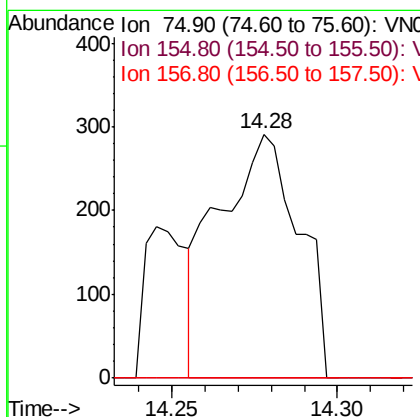
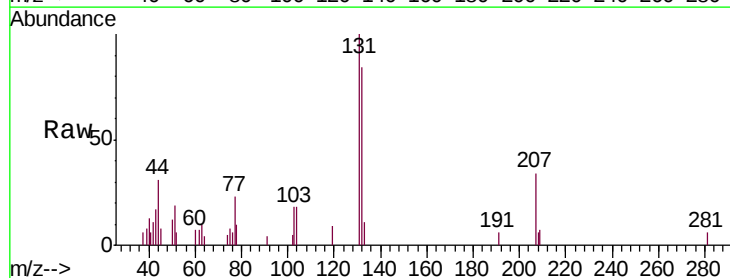
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

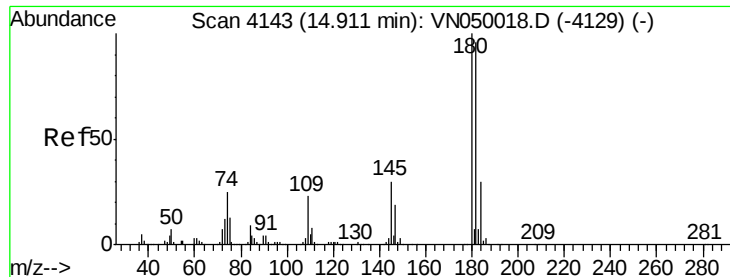
Tot Ion:105 Resp: 9918
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.9 68.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.28 min Scan# 3946
 Delta R.T. 0.01 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Tgt Ion: 75 Resp: 492
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#

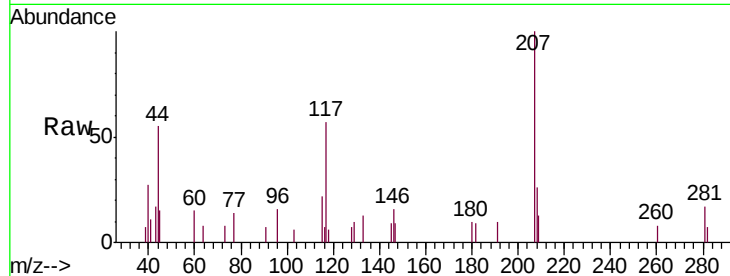




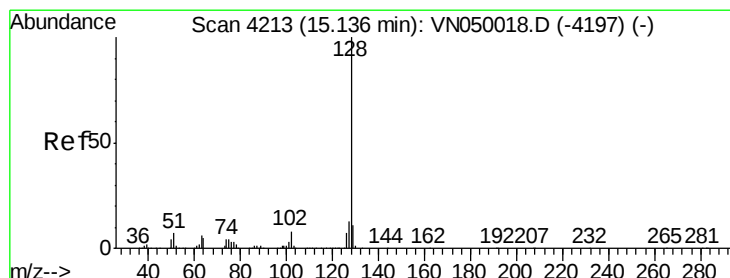
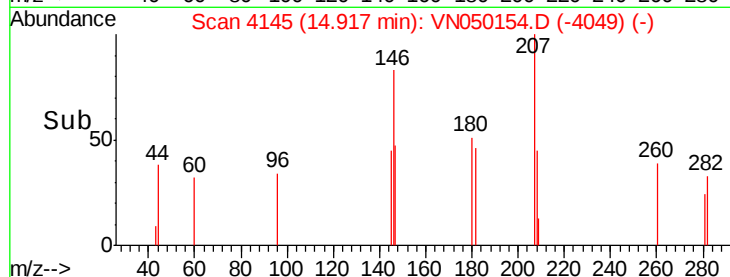
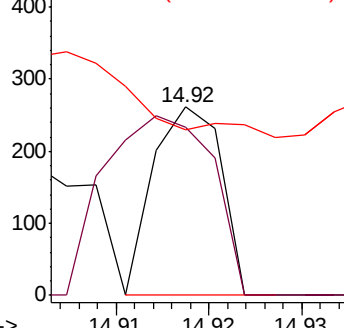
#93
 1,2,4-Trichlorobenzene
 Concen: 3.10 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Instrument :
 MSVOA_N
 ClientSampled :
 TP-14-S

Tot Ion:180 Resp: 134
 Ion Ratio Lower Upper
 180 100
 182 151.5 46.7 140.1#
 145 0.0 13.8 41.4#

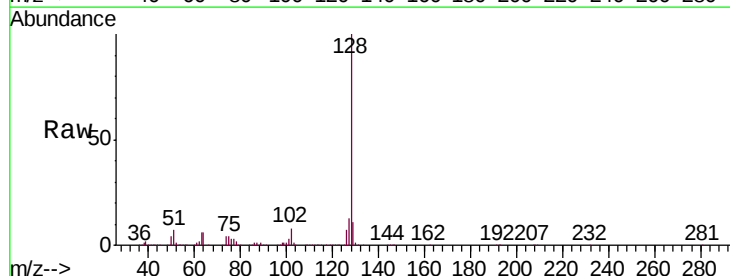


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

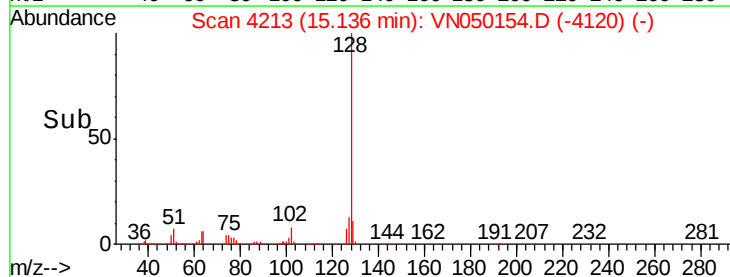
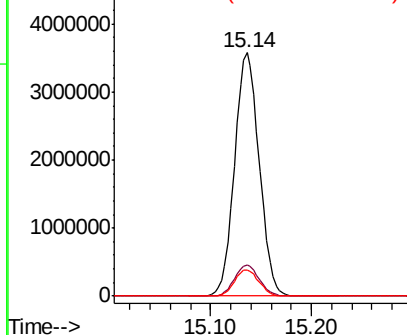


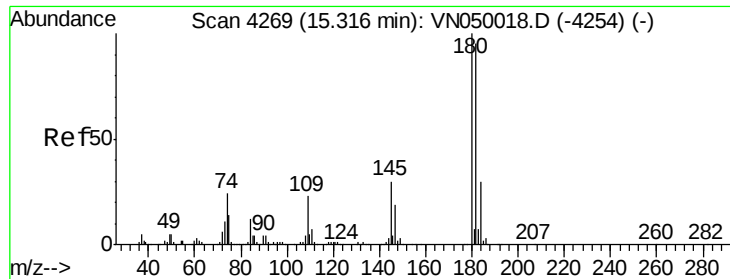
#95
 Naphthalene
 Concen: 302.43 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Tgt Ion:128 Resp: 6053744
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 10.9 8.8 13.2



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

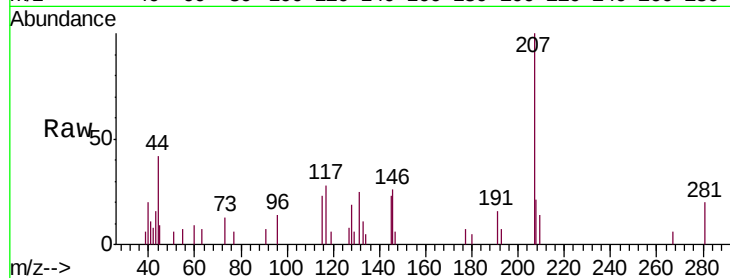




#96
 1,2,3-Trichlorobenzene
 Concen: 2.21 ug/l
 RT: 15.31 min Scan# 4267
 Delta R.T. -0.01 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

Tot Ion:180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.4#
 145 10316.7 15.3 45.9#



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

