

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053358.D
 Acq On : 11 Jan 2019 11:35
 Operator : MD\SY
 Sample : PB116316ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Quant Time: Jan 12 00:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	976337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1511192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1433407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616836	50.00	ug/l	0.00

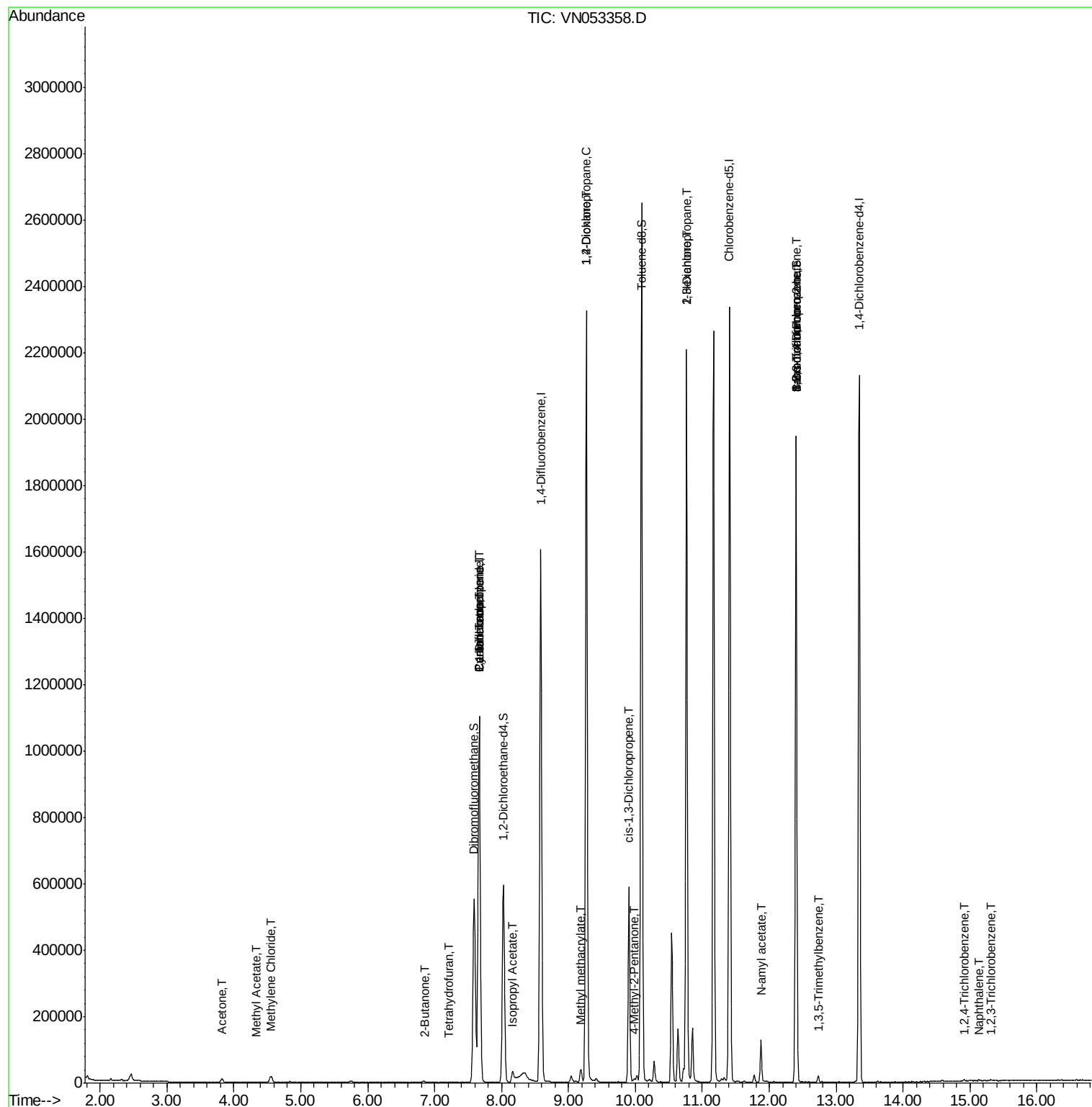
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	495783	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	7.59	113	431354	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1898238	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	661581	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

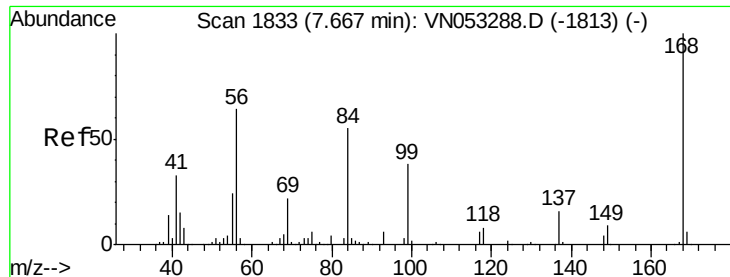
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	19378	5.743	ug/l	95
18) Methyl Acetate	4.34	43	3718	0.404	ug/l #	62
20) Methylene Chloride	4.56	84	15123	1.386	ug/l	91
25) 2-Butanone	6.85	43	2480	0.595	ug/l	91
29) Tetrahydrofuran	7.22	42	1381	0.502	ug/l #	42
31) Cyclohexane	7.66	56	16230	0.745	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	63069	4.470	ug/l #	48
38) Carbon Tetrachloride	7.67	117	82966	6.371	ug/l #	16
43) Isopropyl Acetate	8.17	43	42385	2.345	ug/l #	84
45) 1,2-Dichloropropane	9.27	63	3006	0.266	ug/l #	43
48) Methyl methacrylate	9.18	41	13571	1.652	ug/l #	12
49) 1,4-Dioxane	9.27	88	187	2.137	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6783	0.746	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	111121	6.845	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	23550	1.449	ug/l #	42
59) 2-Hexanone	10.76	43	305641	49.069	ug/l #	50
71) Bromoform	12.40	173	4153	0.539	ug/l #	1
74) N-amyl acetate	11.88	43	38846	2.833	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	306153	34.029	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8698	0.235	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	306153	100.118	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	1629	0.256	ug/l	93
95) Naphthalene	15.13	128	3365	0.310	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	1541	0.370	ug/l	95

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053358.D

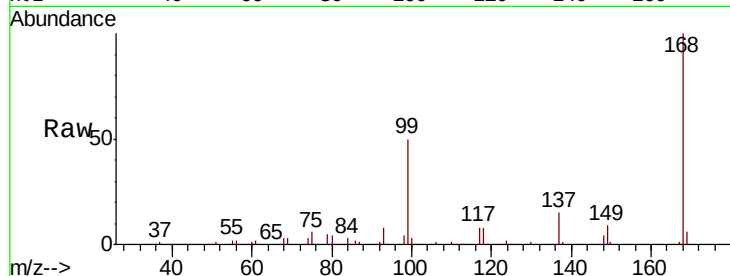
Acq: 11 Jan 2019 11:35

Tgt Ion: 168 Resp: 976337

Ion Ratio Lower Upper

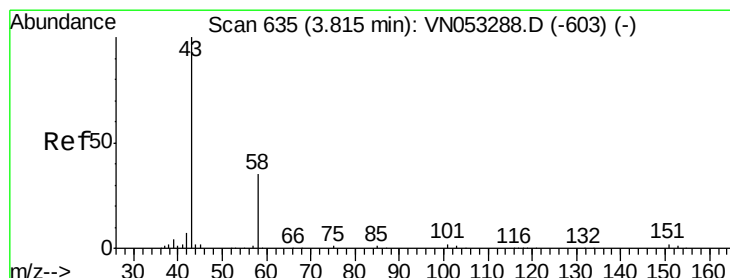
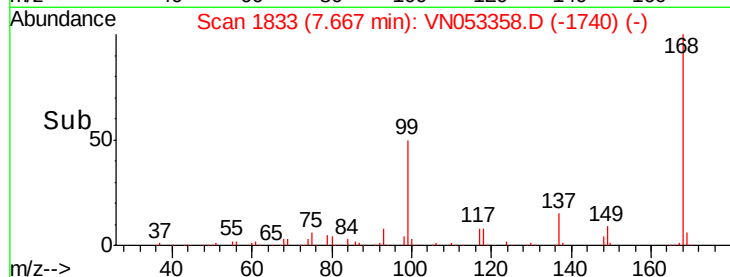
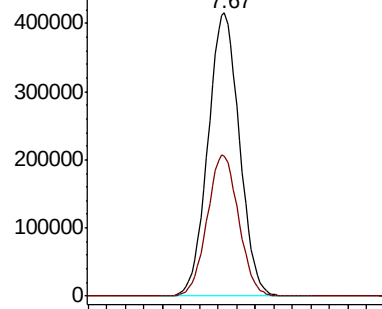
168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053288.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053288.D (-1813) (-)



#16

Acetone

Concen: 5.743 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053358.D

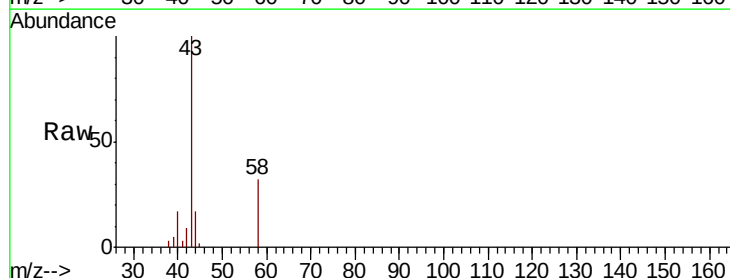
Acq: 11 Jan 2019 11:35

Tgt Ion: 43 Resp: 19378

Ion Ratio Lower Upper

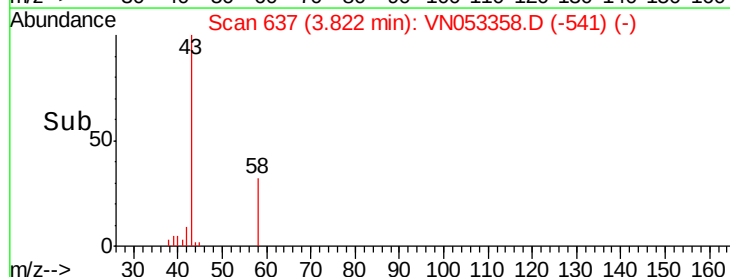
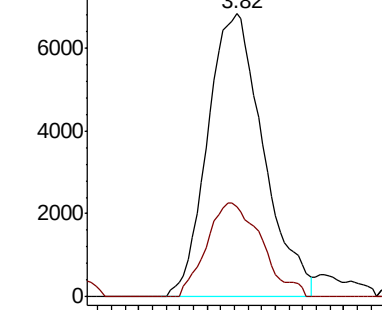
43 100

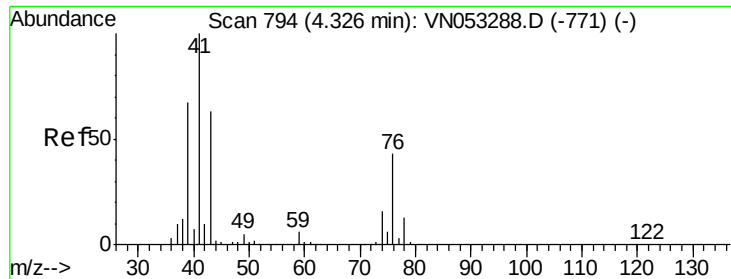
58 32.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

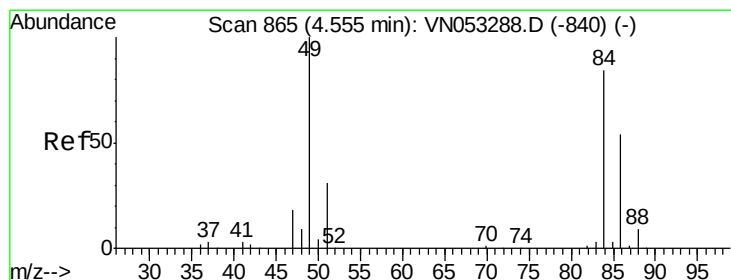
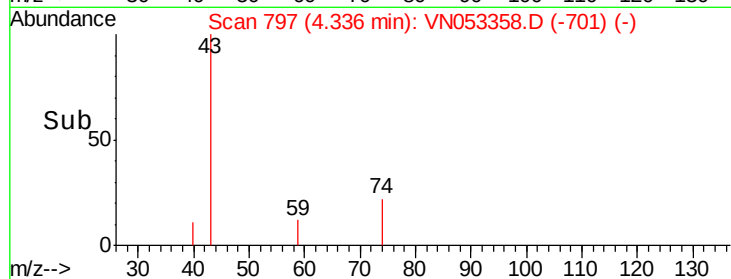
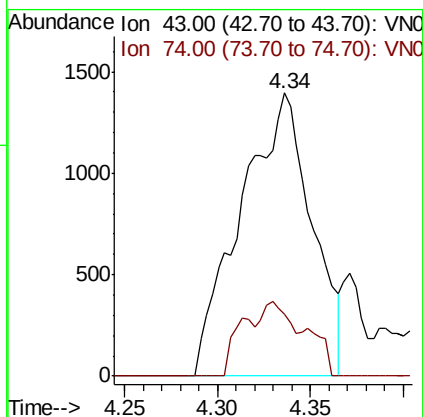
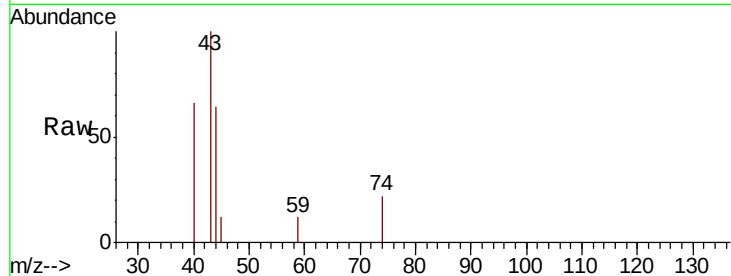
Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)





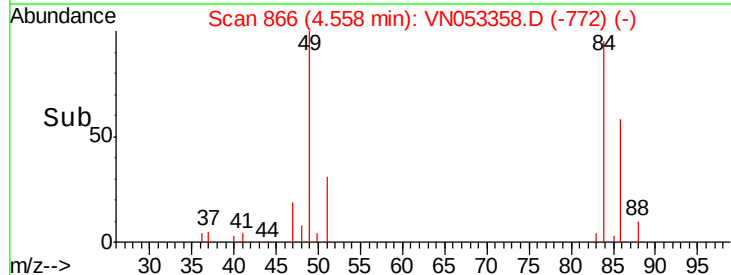
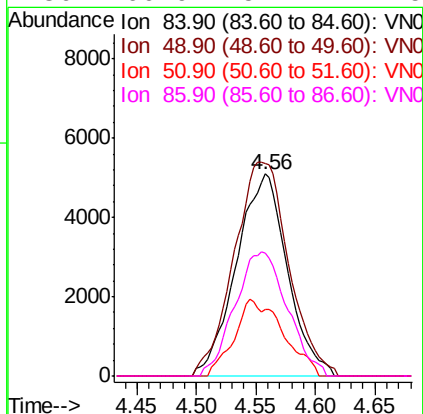
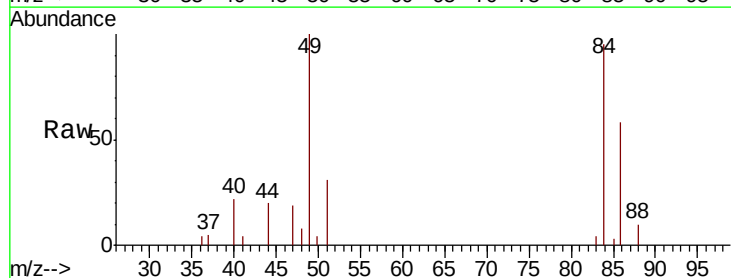
#18
Methyl Acetate
Concen: 0.404 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

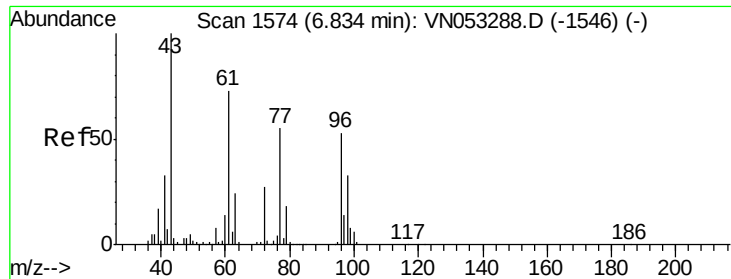
Tgt Ion: 43 Resp: 3718
Ion Ratio Lower Upper
43 100
74 5.7 19.8 29.8#



#20
Methylene Chloride
Concen: 1.386 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

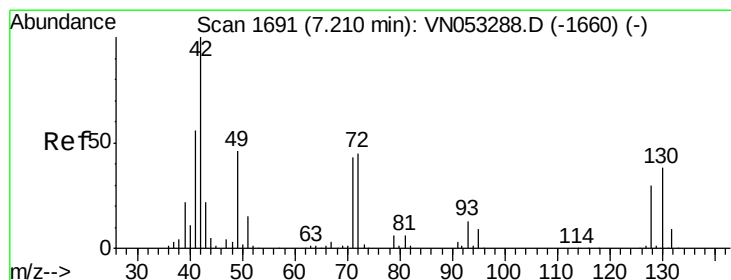
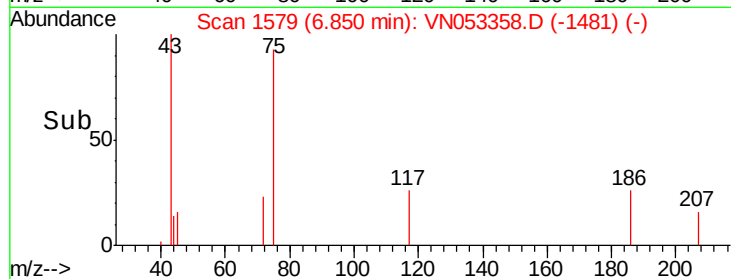
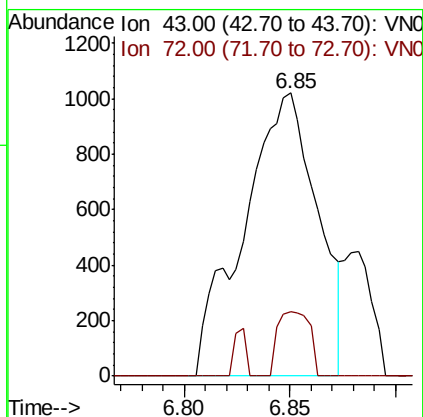
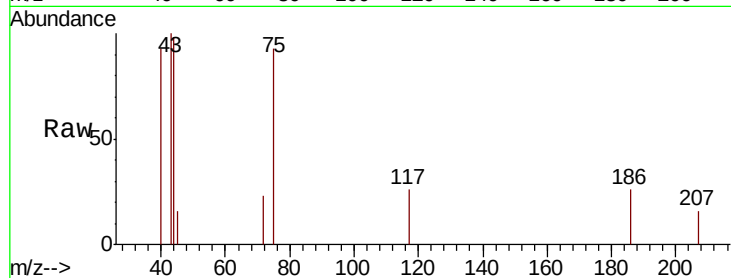
Tgt Ion: 84 Resp: 15123
Ion Ratio Lower Upper
84 100
49 105.2 95.3 142.9
51 32.7 29.0 43.6
86 60.9 51.7 77.5





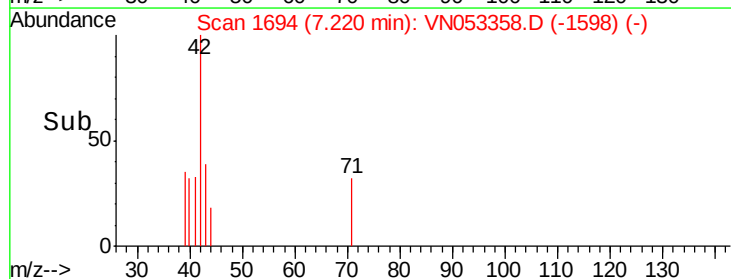
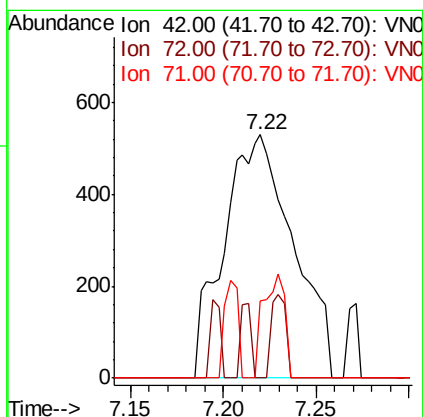
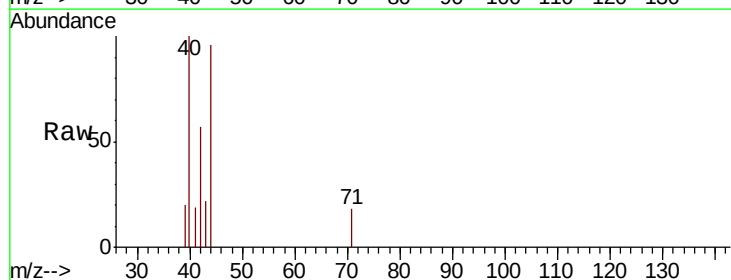
#25
 2-Butanone
 Concen: 0.595 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

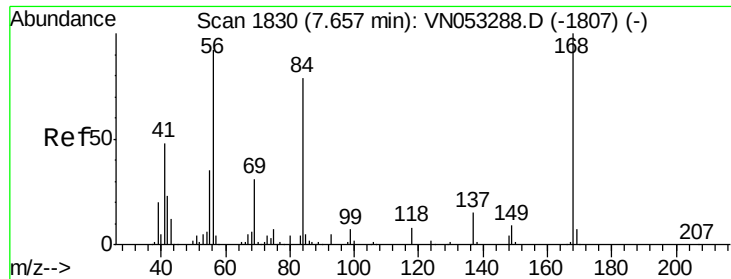
Tgt Ion: 43 Resp: 2480
 Ion Ratio Lower Upper
 43 100
 72 22.6 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 0.502 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

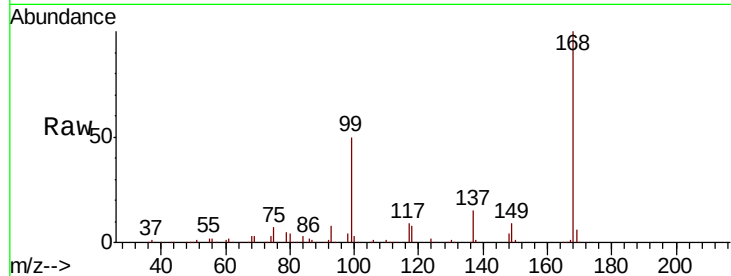
Tgt Ion: 42 Resp: 1381
 Ion Ratio Lower Upper
 42 100
 72 4.5 35.6 53.4#
 71 7.9 33.8 50.8#



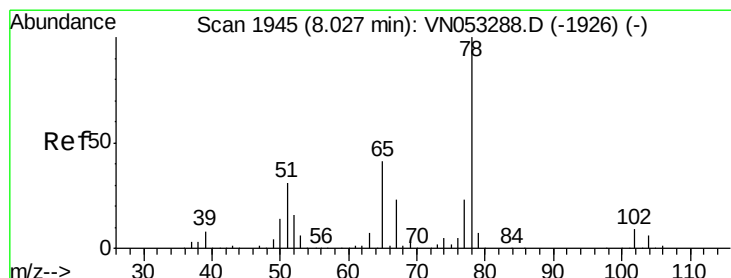
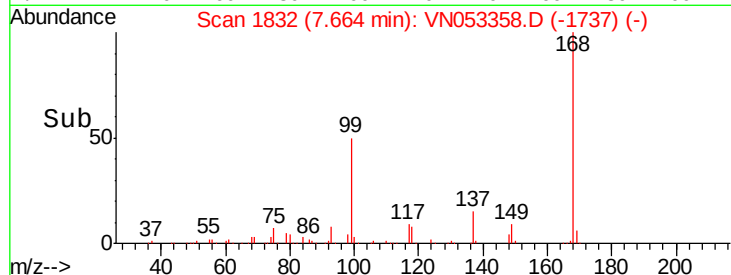
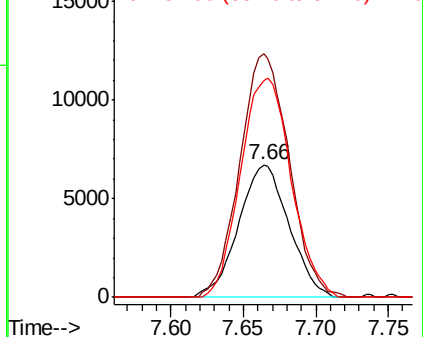


#31
Cyclohexane
Concen: 0.745 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion: 56 Resp: 16230
Ion Ratio Lower Upper
56 100
69 183.7 26.7 40.1#
84 163.2 68.2 102.4#

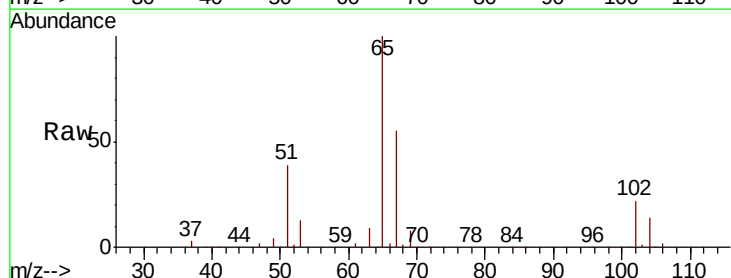


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

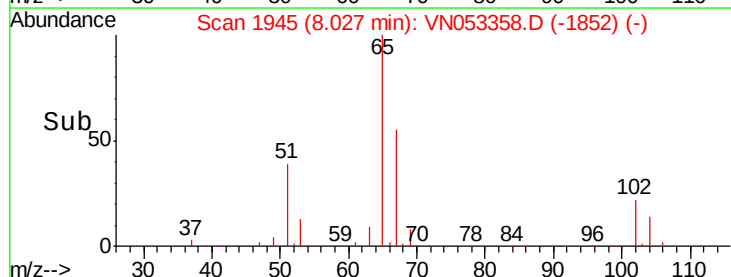
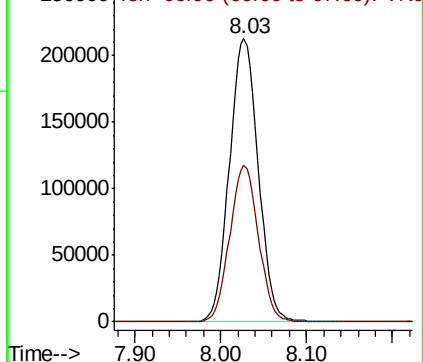


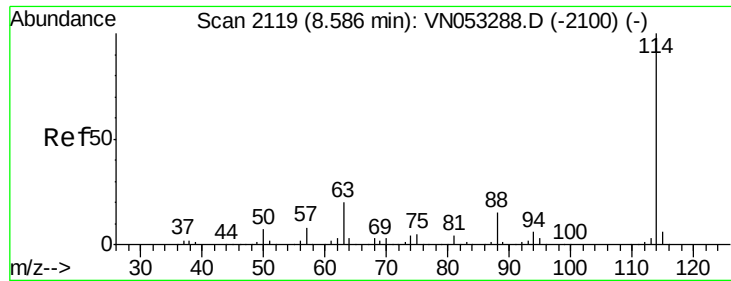
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion: 65 Resp: 495783
Ion Ratio Lower Upper
65 100
67 55.1 0.0 111.0



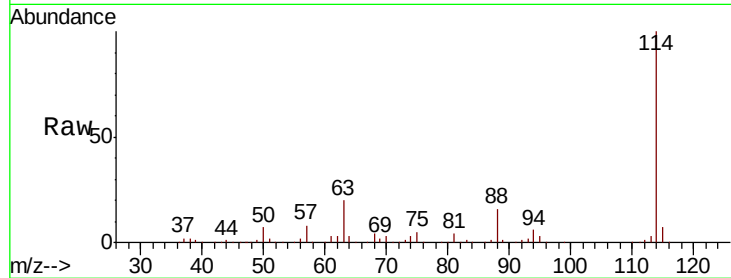
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



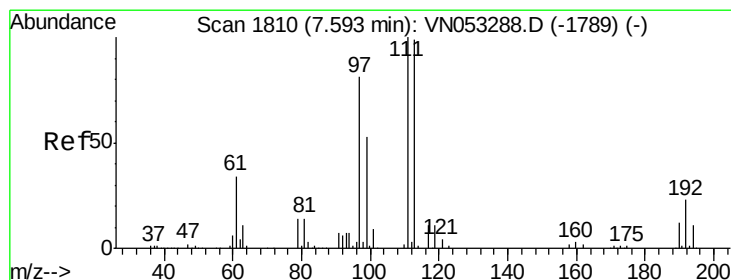
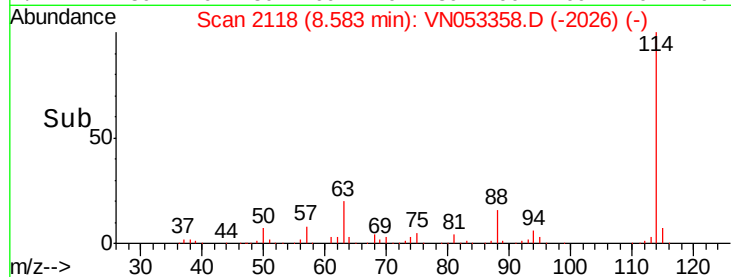
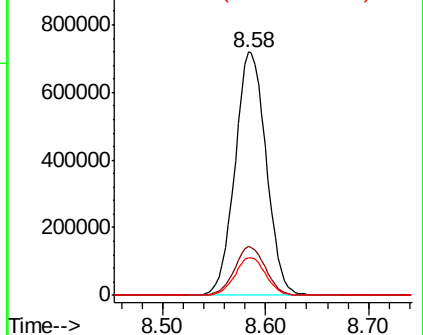


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion:114 Resp: 1511192
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.0
88 15.6 0.0 30.8

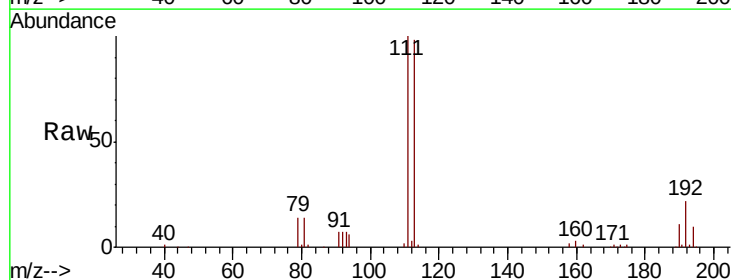


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

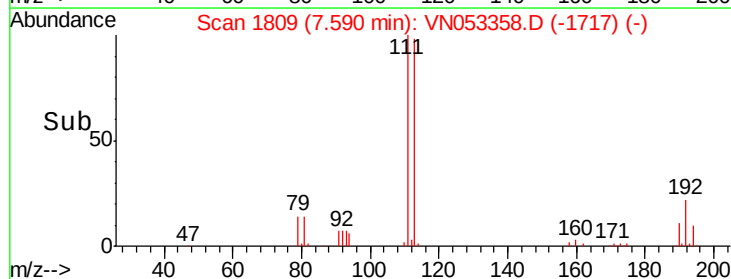
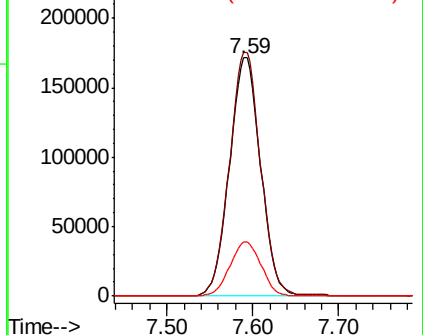


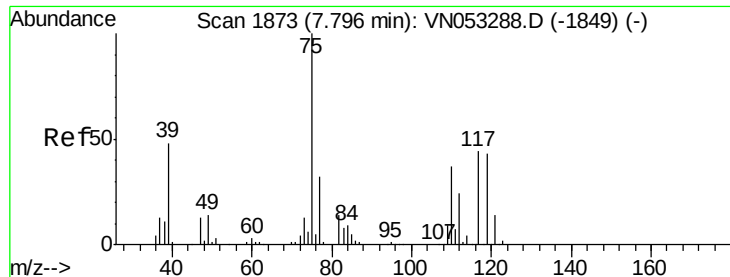
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion:113 Resp: 431354
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.2
192 22.8 17.9 26.9



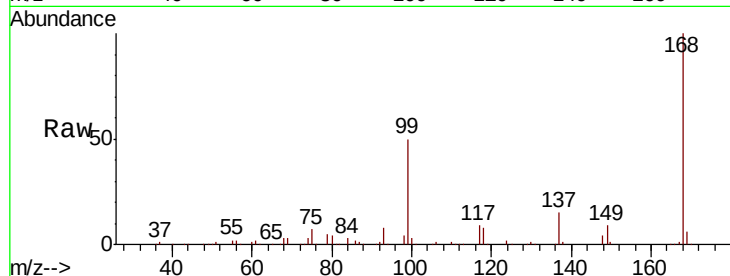
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



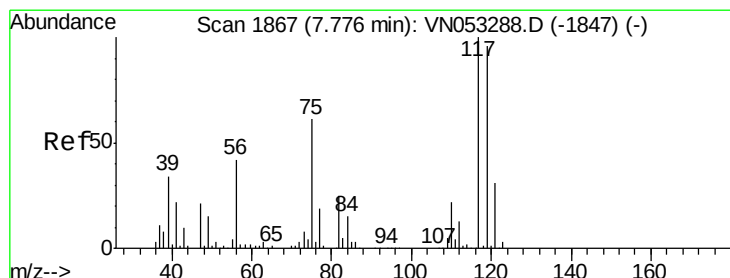
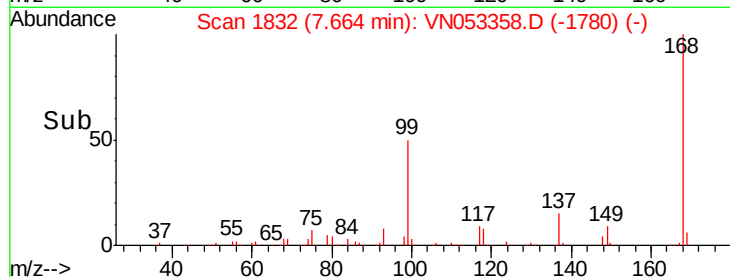
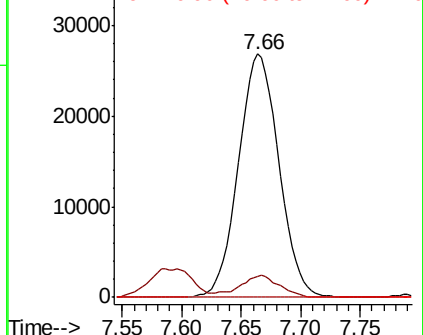


#36
 1,1-Dichloropropene
 Concen: 4.470 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.0#
77	0.0	25.3	37.9#

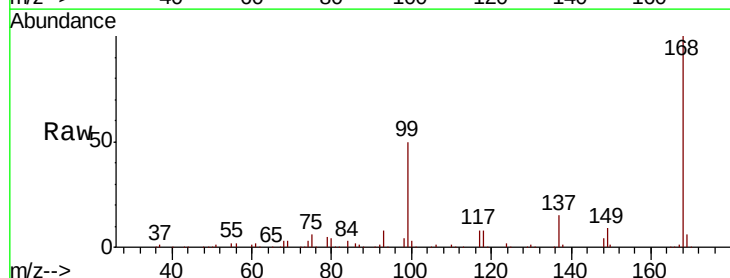


Abundance Ion 74.90 (74.60 to 75.60): VN053358.D (-1780) (-)

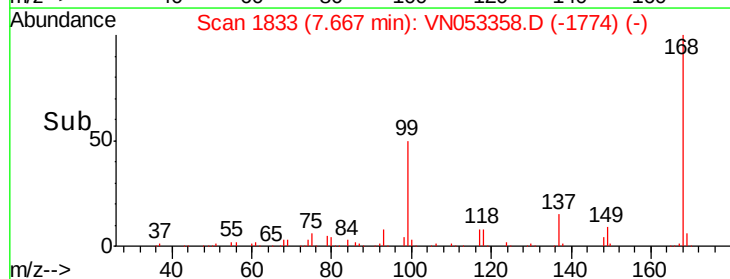
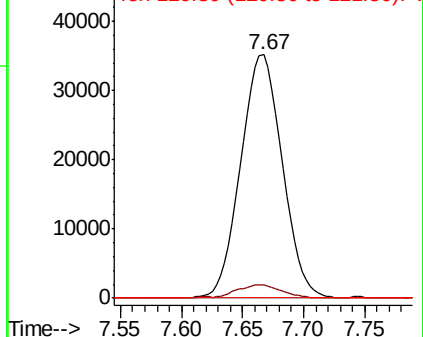


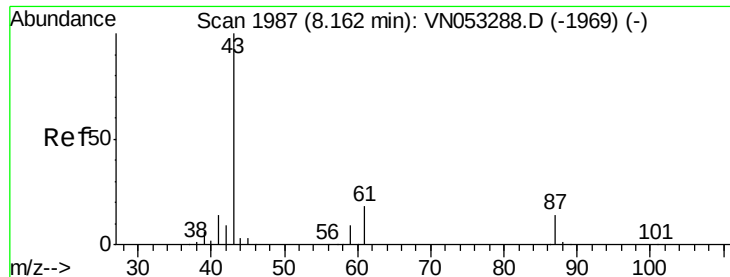
#38
 Carbon Tetrachloride
 Concen: 6.371 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.6	115.0#
121	0.0	25.0	37.4#



Abundance Ion 116.80 (116.50 to 117.50): VN053358.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 2.345 ug/l

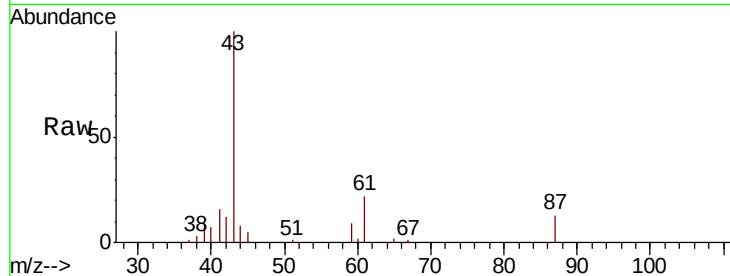
RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053358.D

Acq: 11 Jan 2019 11:35

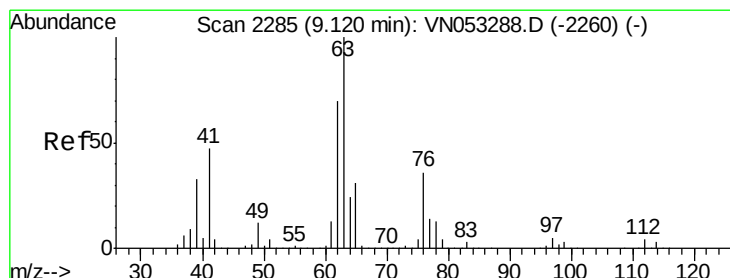
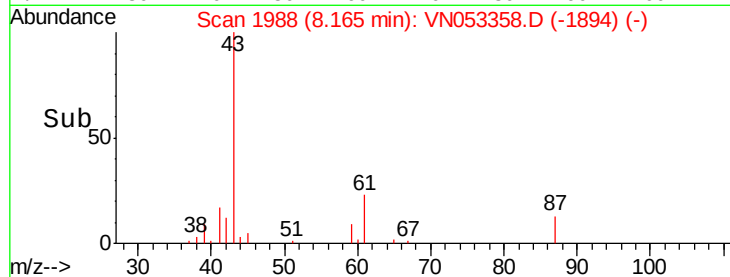
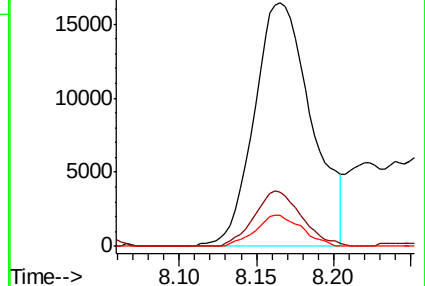
Tgt Ion:	43	Resp:	42385
Ion	Ratio	Lower	Upper
43	100		
61	18.9	23.3	34.9#
87	10.3	10.8	16.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)



#45

1,2-Dichloropropane

Concen: 0.266 ug/l

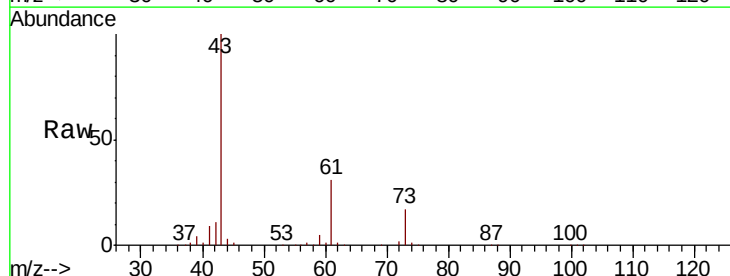
RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053358.D

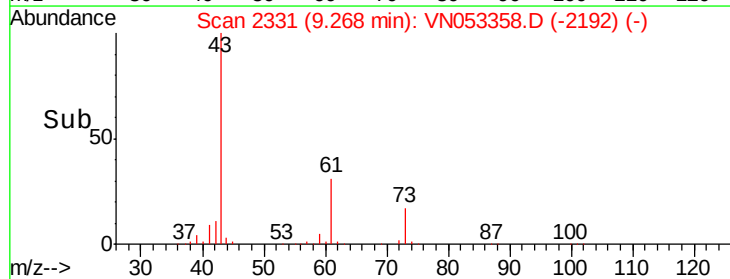
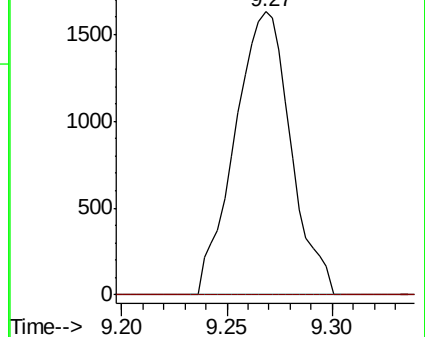
Acq: 11 Jan 2019 11:35

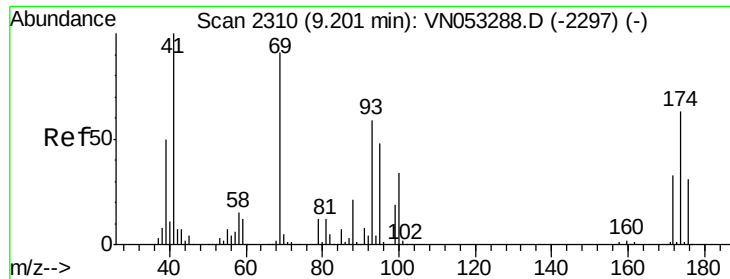
Tgt Ion:	63	Resp:	3006
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN053288.D (-2260) (-)

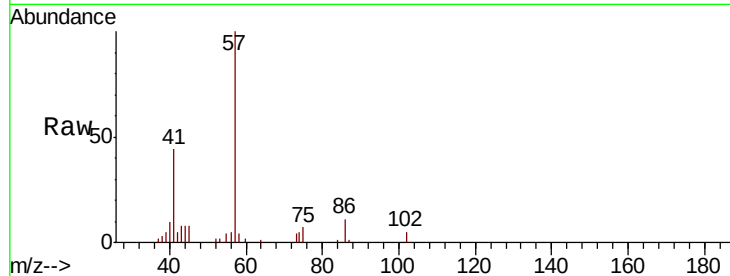
Ion 64.90 (64.60 to 65.60): VN053288.D (-2260) (-)



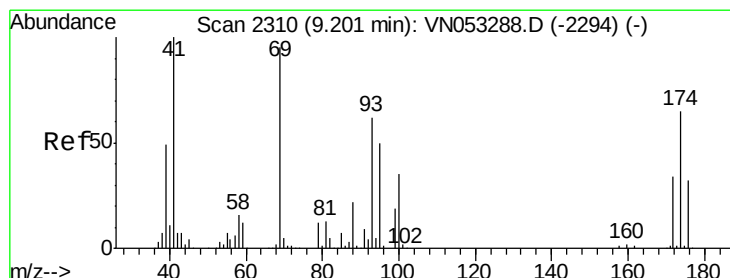
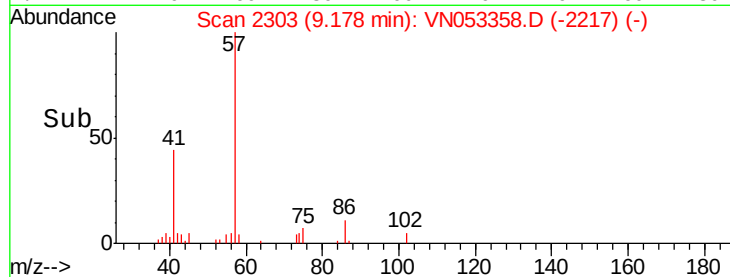
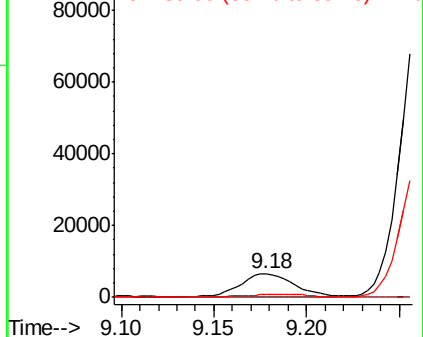


#48
Methyl methacrylate
Concen: 1.652 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion: 41 Resp: 13571
Ion Ratio Lower Upper
41 100
69 0.0 73.5 110.3#
39 0.0 41.6 62.4#

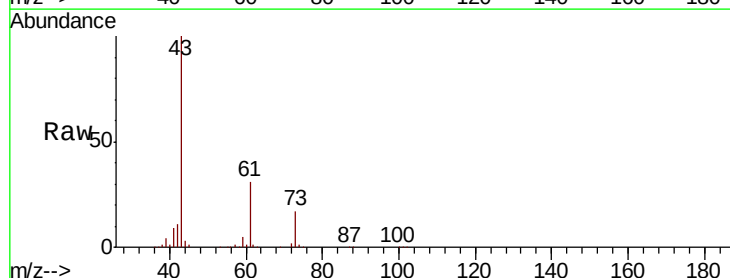


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

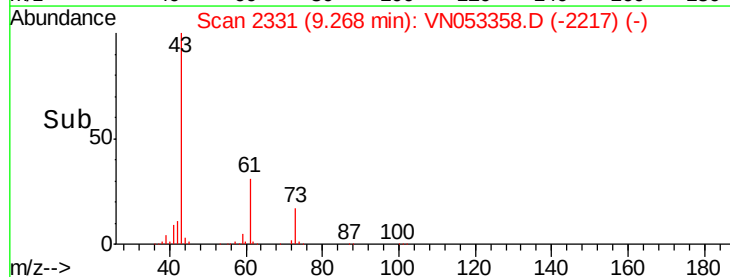
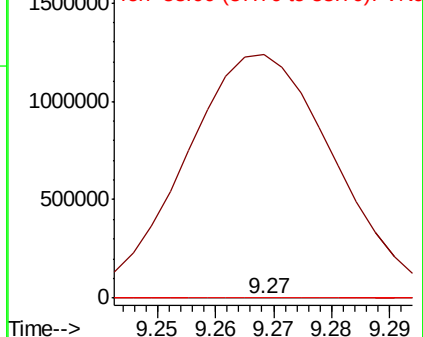


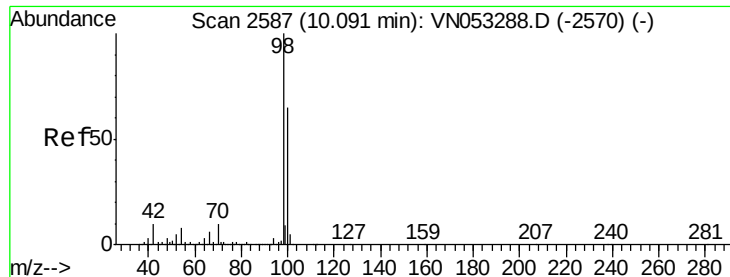
#49
1,4-Dioxane
Concen: 2.137 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion: 88 Resp: 187
Ion Ratio Lower Upper
88 100
43 1223943.3 26.2 39.4#
58 5517.6 55.5 83.3#



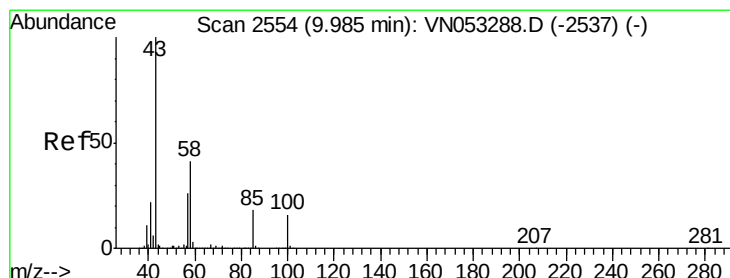
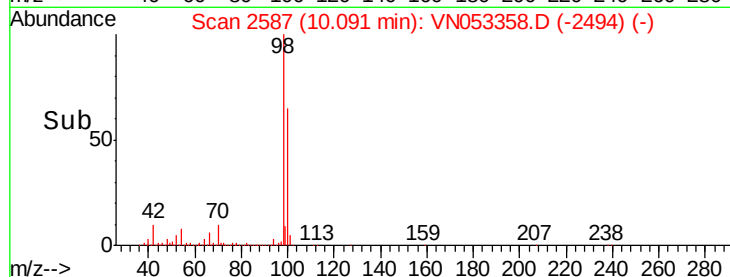
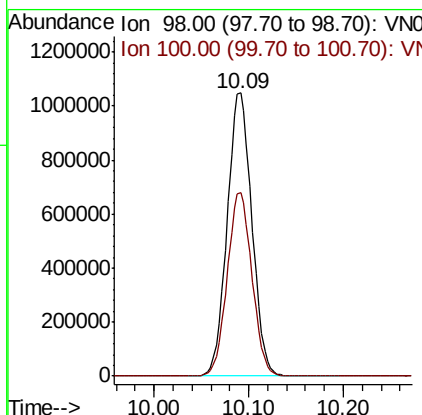
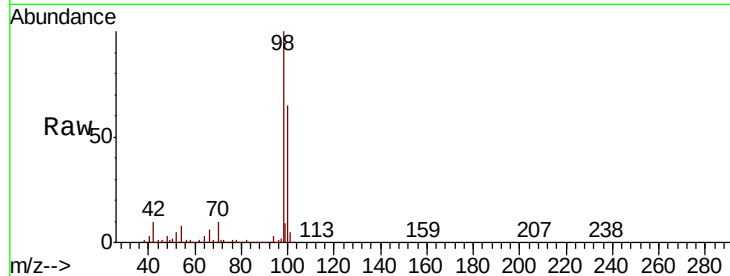
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





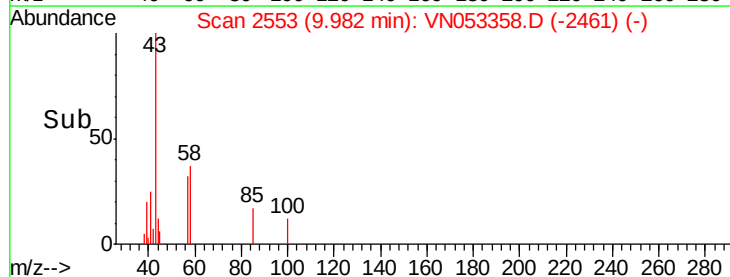
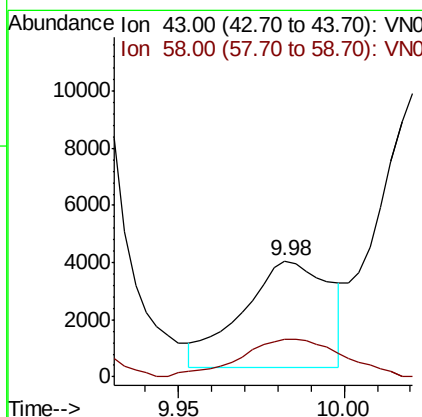
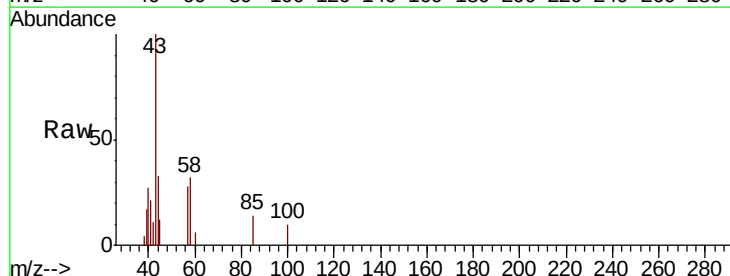
#50
Toluene-d8
Concen: 2.137 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

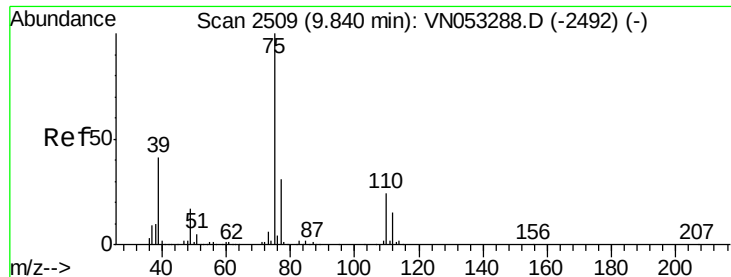
Tgt Ion: 98 Resp: 1898238
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.746 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion: 43 Resp: 6783
Ion Ratio Lower Upper
43 100
58 41.7 32.7 49.1





#54

cis-1,3-Dichloropropene

Concen: 6.845 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053358.D

Acq: 11 Jan 2019 11:35

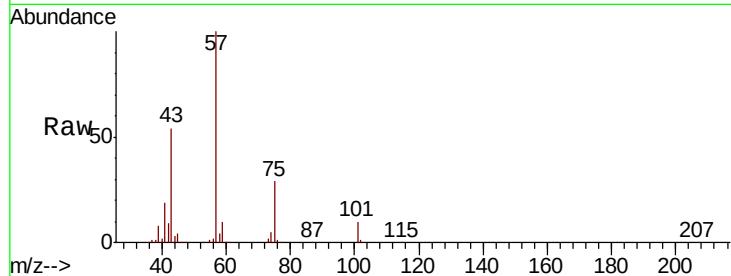
Tgt Ion: 75 Resp: 111121

Ion Ratio Lower Upper

75 100

77 0.7 25.1 37.7#

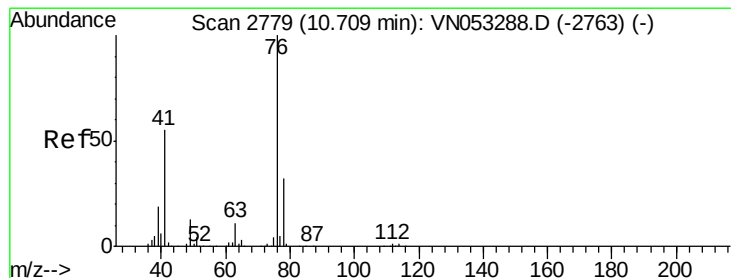
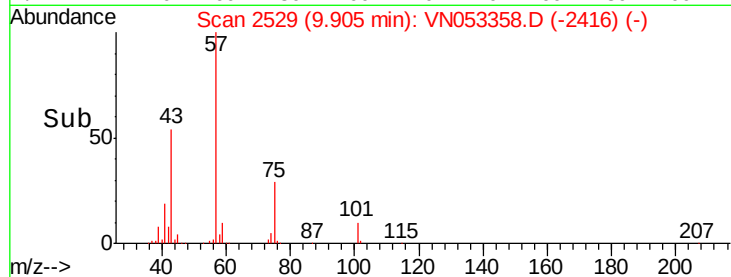
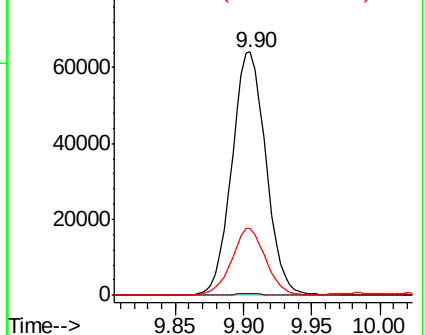
39 27.7 33.1 49.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.449 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053358.D

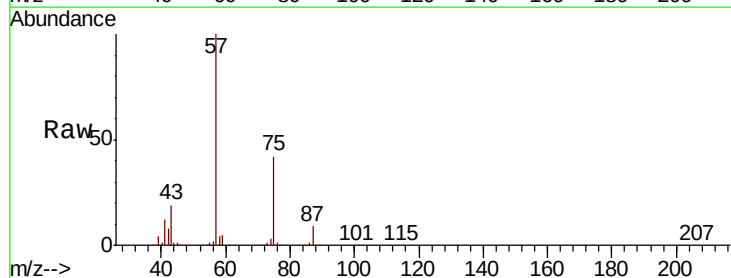
Acq: 11 Jan 2019 11:35

Tgt Ion: 76 Resp: 23550

Ion Ratio Lower Upper

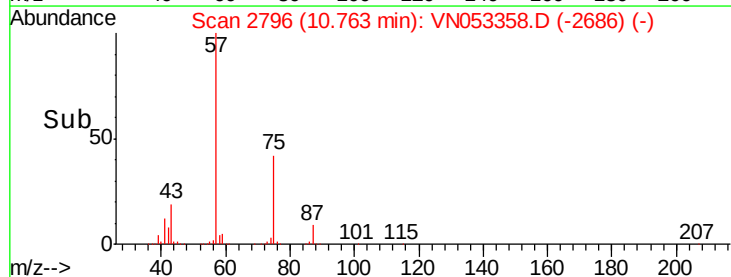
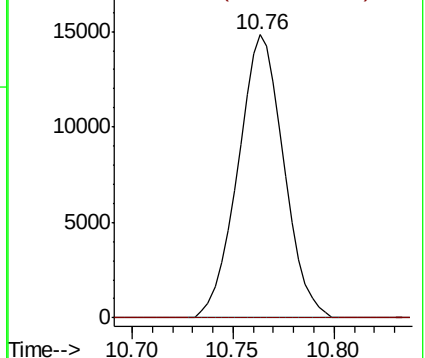
76 100

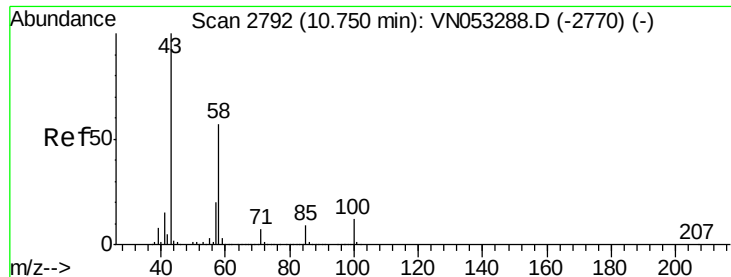
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

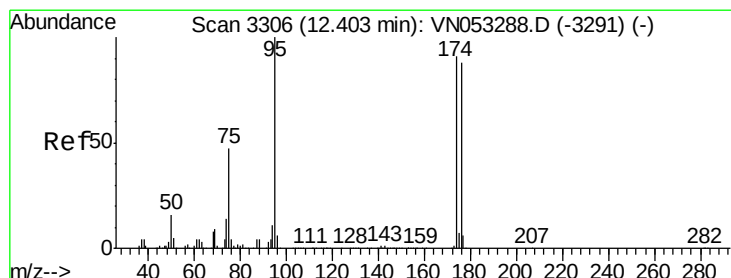
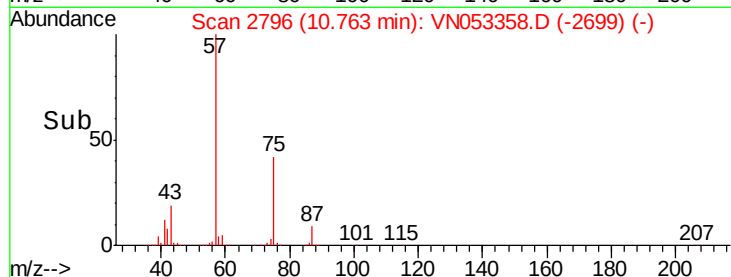
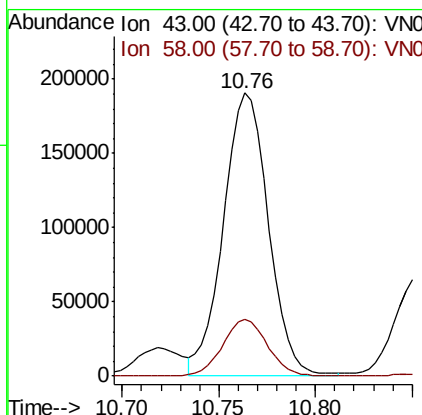
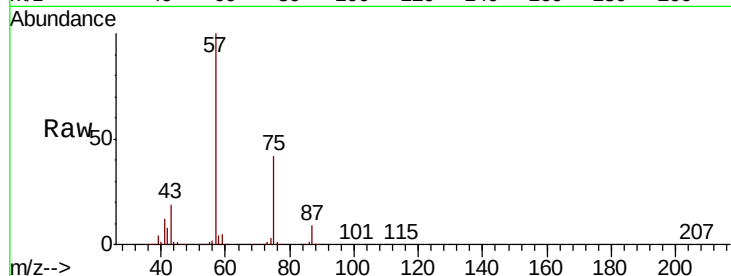
Ion 77.90 (77.60 to 78.60): VN0





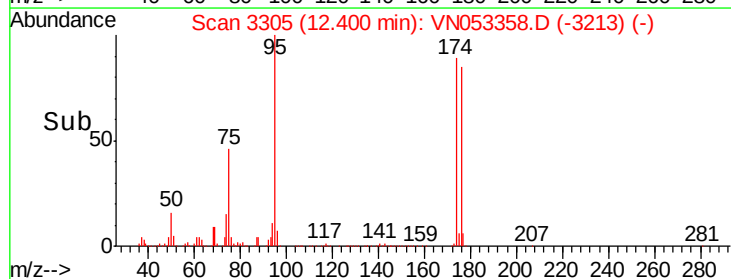
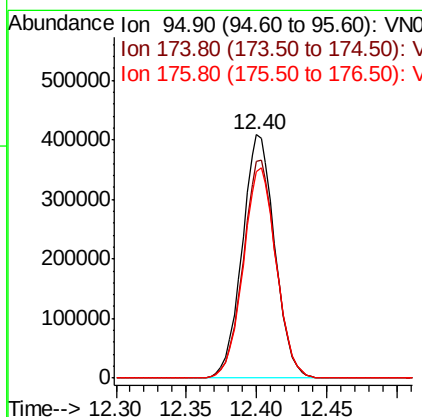
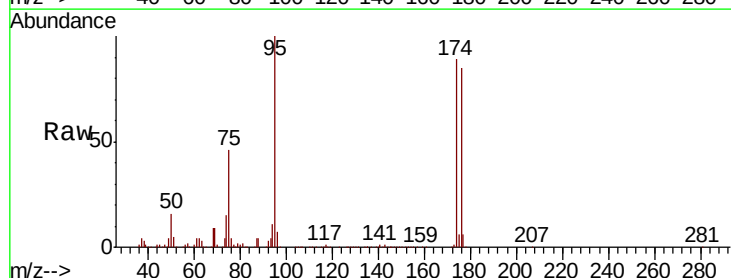
#59
2-Hexanone
Concen: 49.069 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

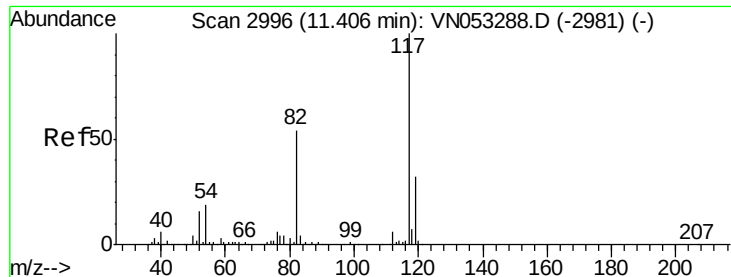
Tgt Ion: 43 Resp: 305641
Ion Ratio Lower Upper
43 100
58 20.3 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion: 95 Resp: 661581
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.4
176 87.3 0.0 175.6

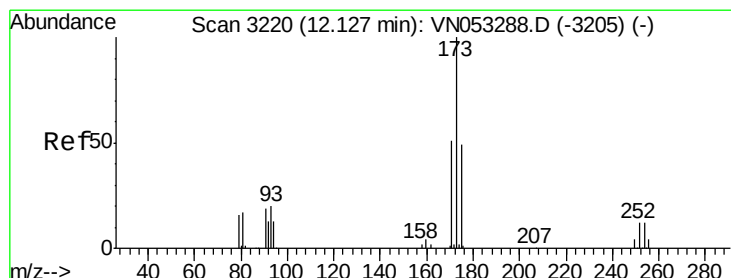
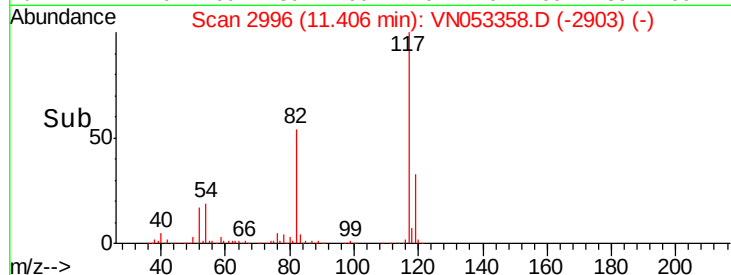
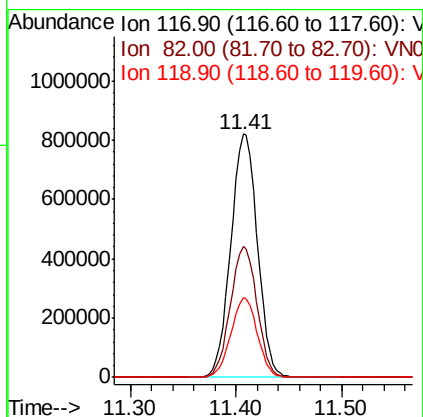
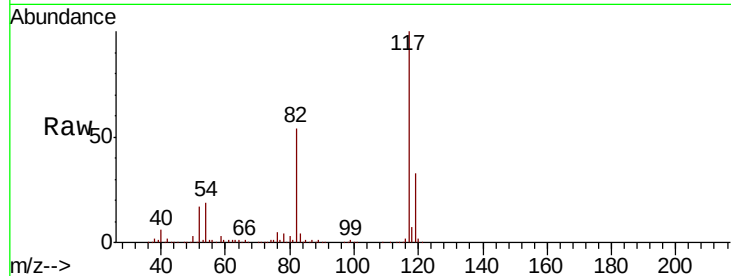




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion:117 Resp: 1433407

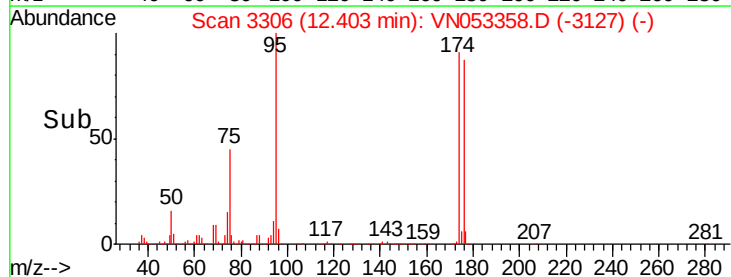
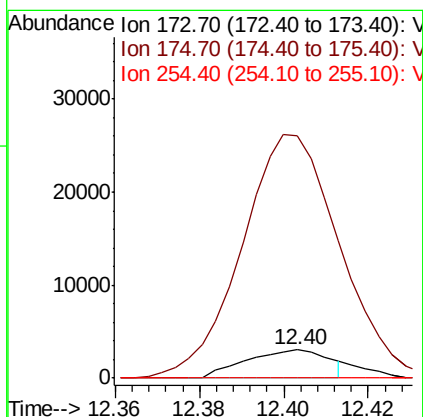
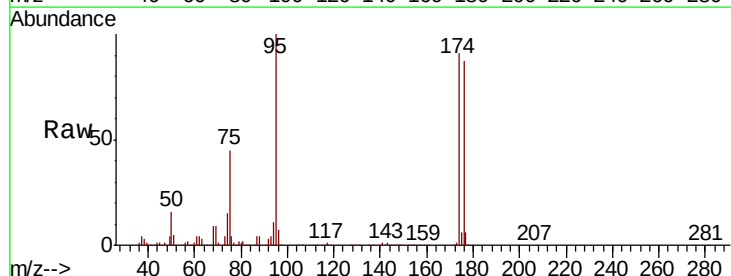
Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.9	64.3
119	32.5	25.6	38.4

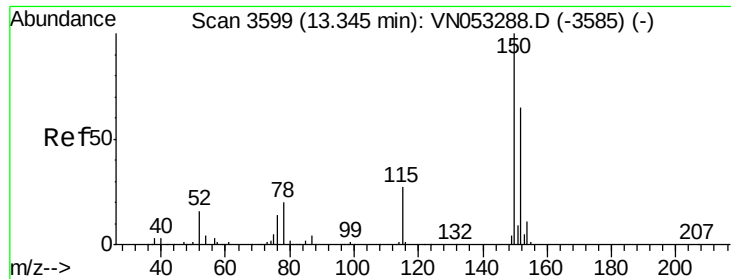


#71
Bromoform
Concen: 0.539 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

Tgt Ion:173 Resp: 4153

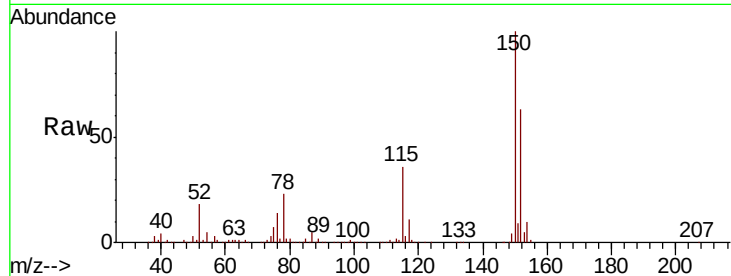
Ion	Ratio	Lower	Upper
173	100		
175	891.1	24.3	72.8#
254	0.0	0.2	0.2#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.0	84.0
150	156.8	0.0	346.6

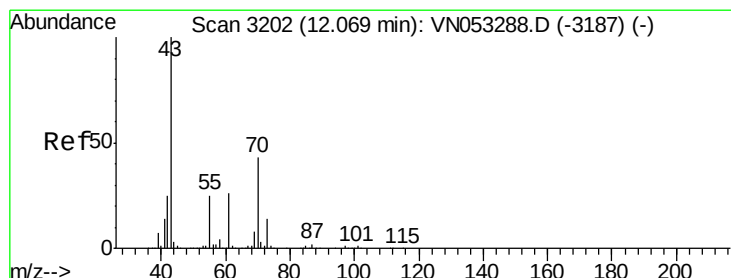
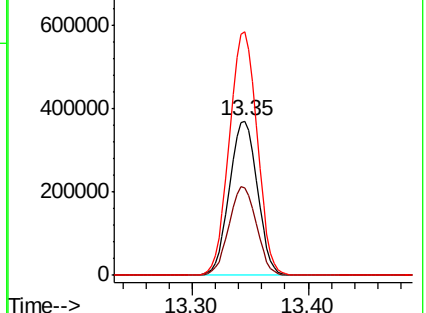
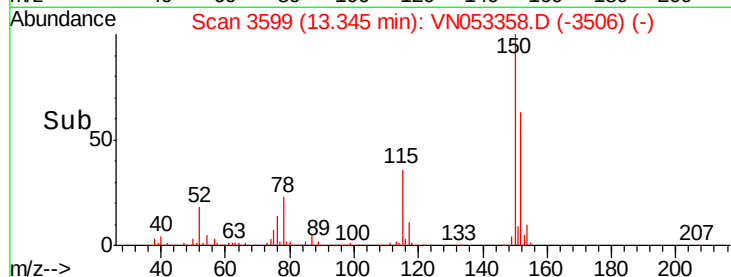


Abundance

Ion 151.90 (151.60 to 152.60): V

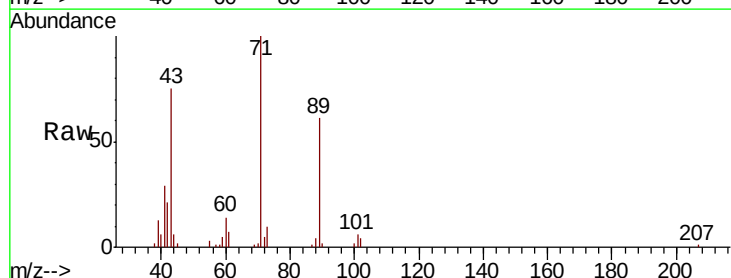
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74
 N-ethyl acetate
 Concen: 2.833 ug/l
 RT: 11.88 min Scan# 3142
 Delta R.T. -0.19 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	2.1	35.0	52.6#
55	4.8	20.0	30.0#
61	10.3	20.3	30.5#



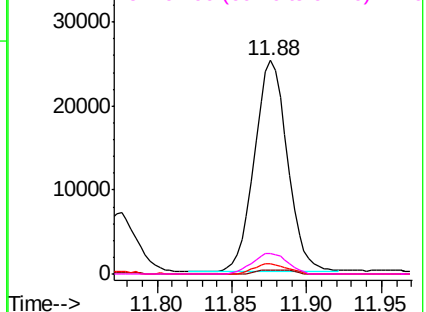
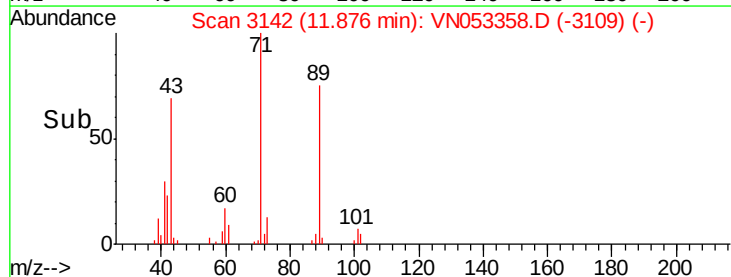
Abundance

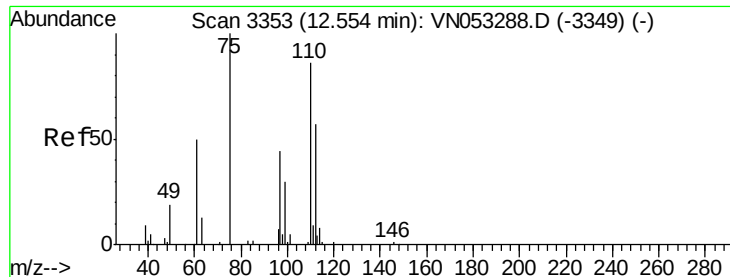
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

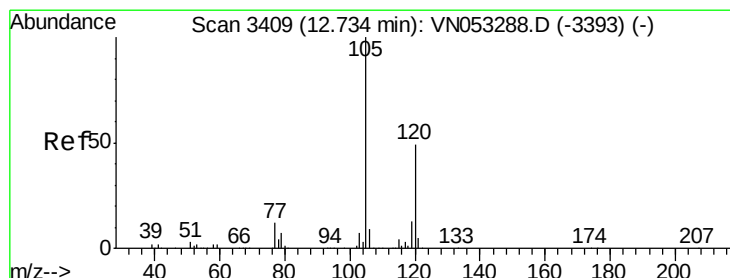
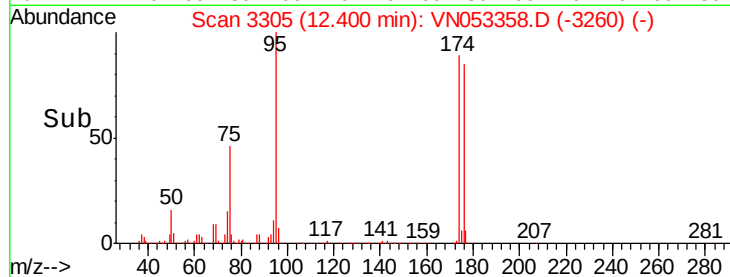
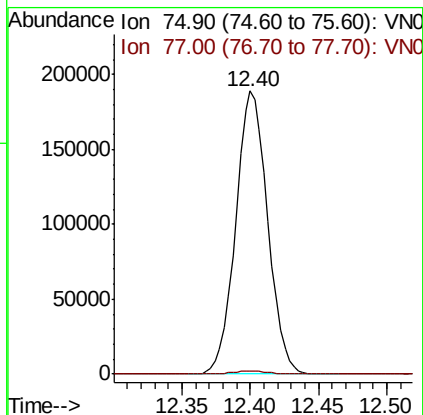
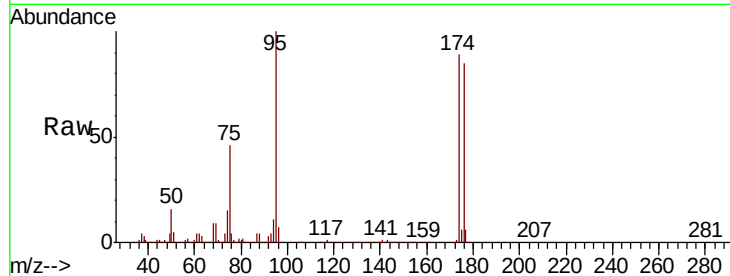




#76

1,2,3-Trichloropropane
Concen: 34.029 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

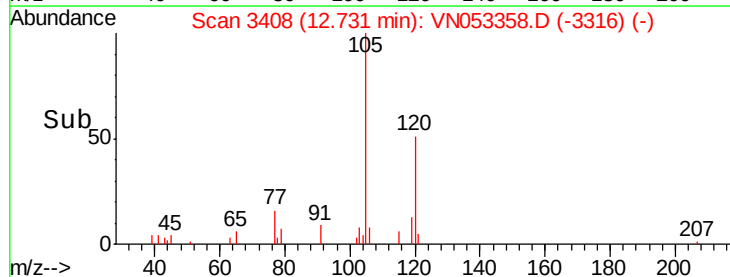
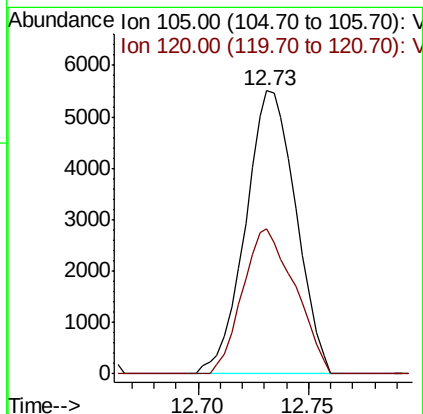
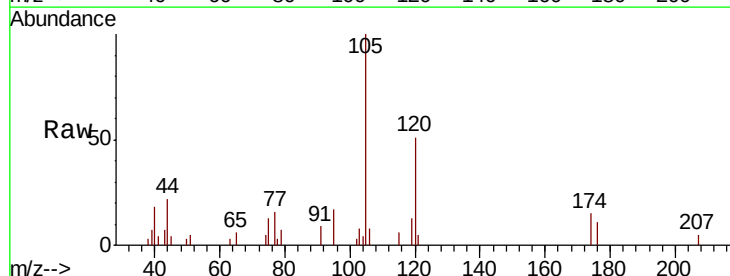
Tgt Ion: 75 Resp: 306153
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

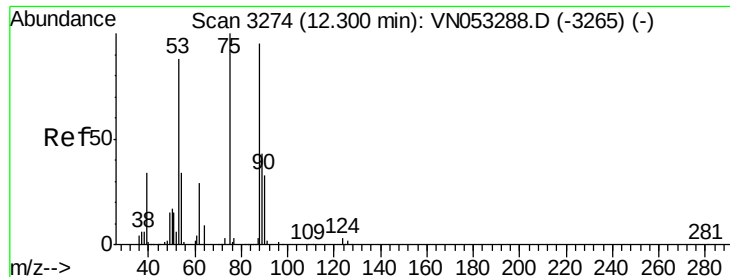


#80

1,3,5-Trimethylbenzene
Concen: 0.235 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN053358.D
Acq: 11 Jan 2019 11:35

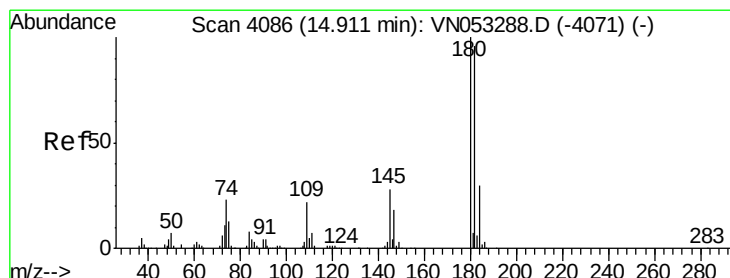
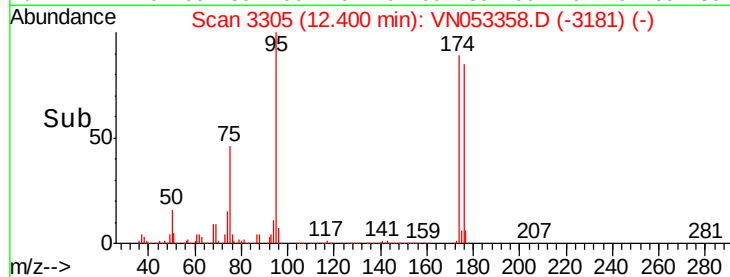
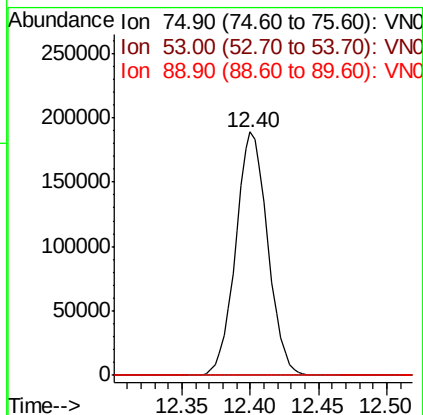
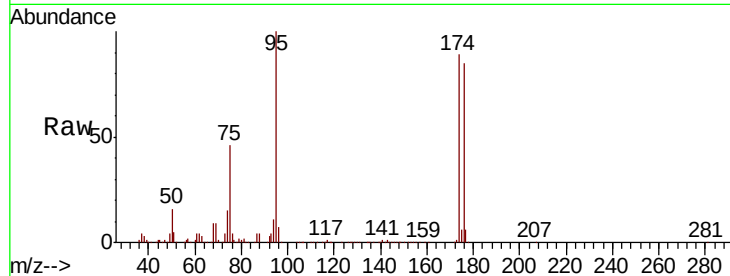
Tgt Ion: 105 Resp: 8698
Ion Ratio Lower Upper
105 100
120 53.5 24.7 74.1





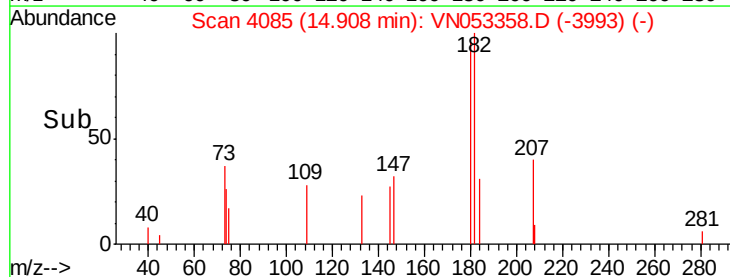
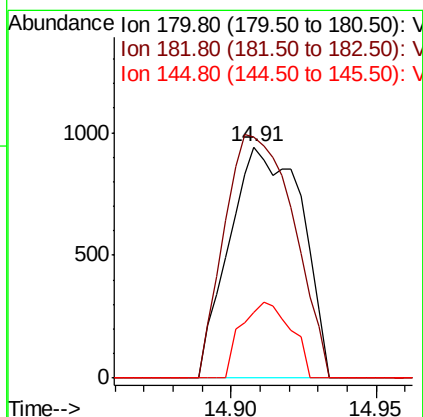
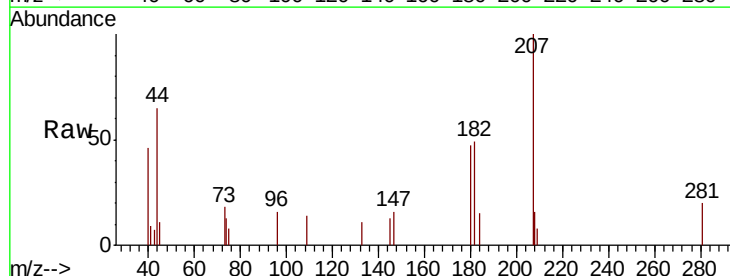
#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.118 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

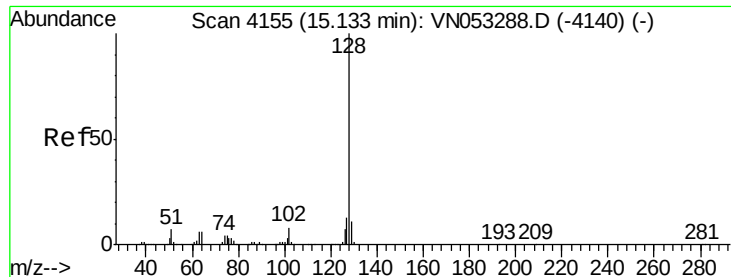
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	70.5	105.7#
89	0.0	35.4	53.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053358.D
 Acq: 11 Jan 2019 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.9	47.8	143.4
145	22.5	14.4	43.0





#95

Naphthalene

Concen: 0.310 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053358.D

Acq: 11 Jan 2019 11:35

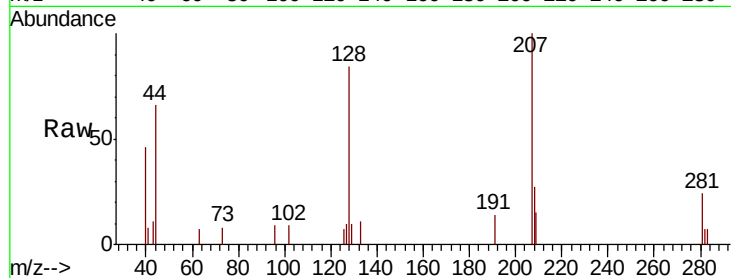
Tgt Ion:128 Resp: 3365

Ion Ratio Lower Upper

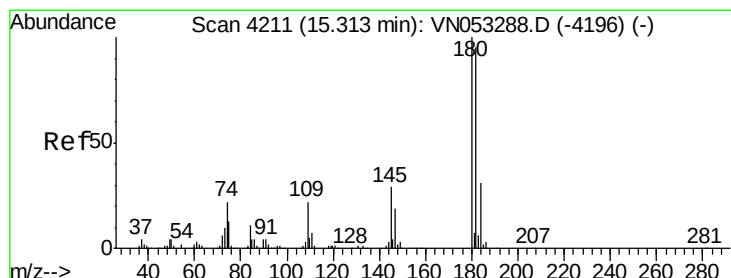
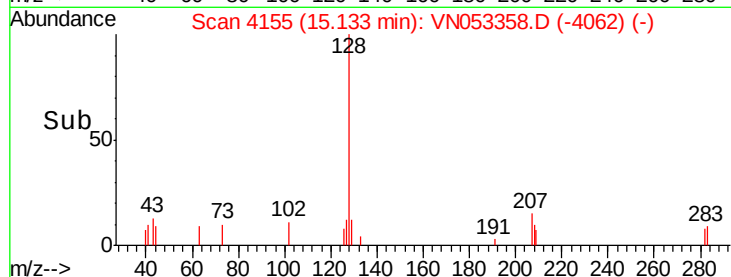
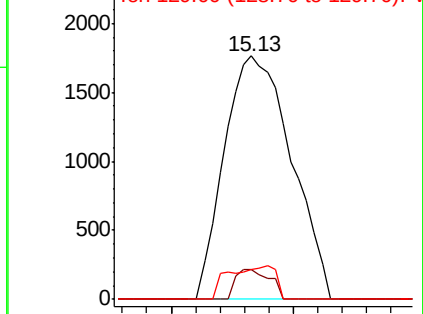
128 100

127 6.3 10.4 15.6#

129 9.6 8.7 13.1



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: 0.370 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053358.D

Acq: 11 Jan 2019 11:35

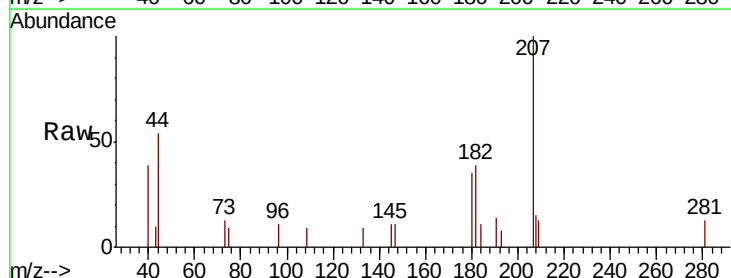
Tgt Ion:180 Resp: 1541

Ion Ratio Lower Upper

180 100

182 98.7 48.4 145.0

145 21.7 14.9 44.5



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

