

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011719\
 Data File : VN053448.D
 Acq On : 17 Jan 2019 21:20
 Operator : JC/SP
 Sample : PB116439ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Quant Time: Jan 18 00:13:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	910896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1430580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1367050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	609590	50.00	ug/l	0.00

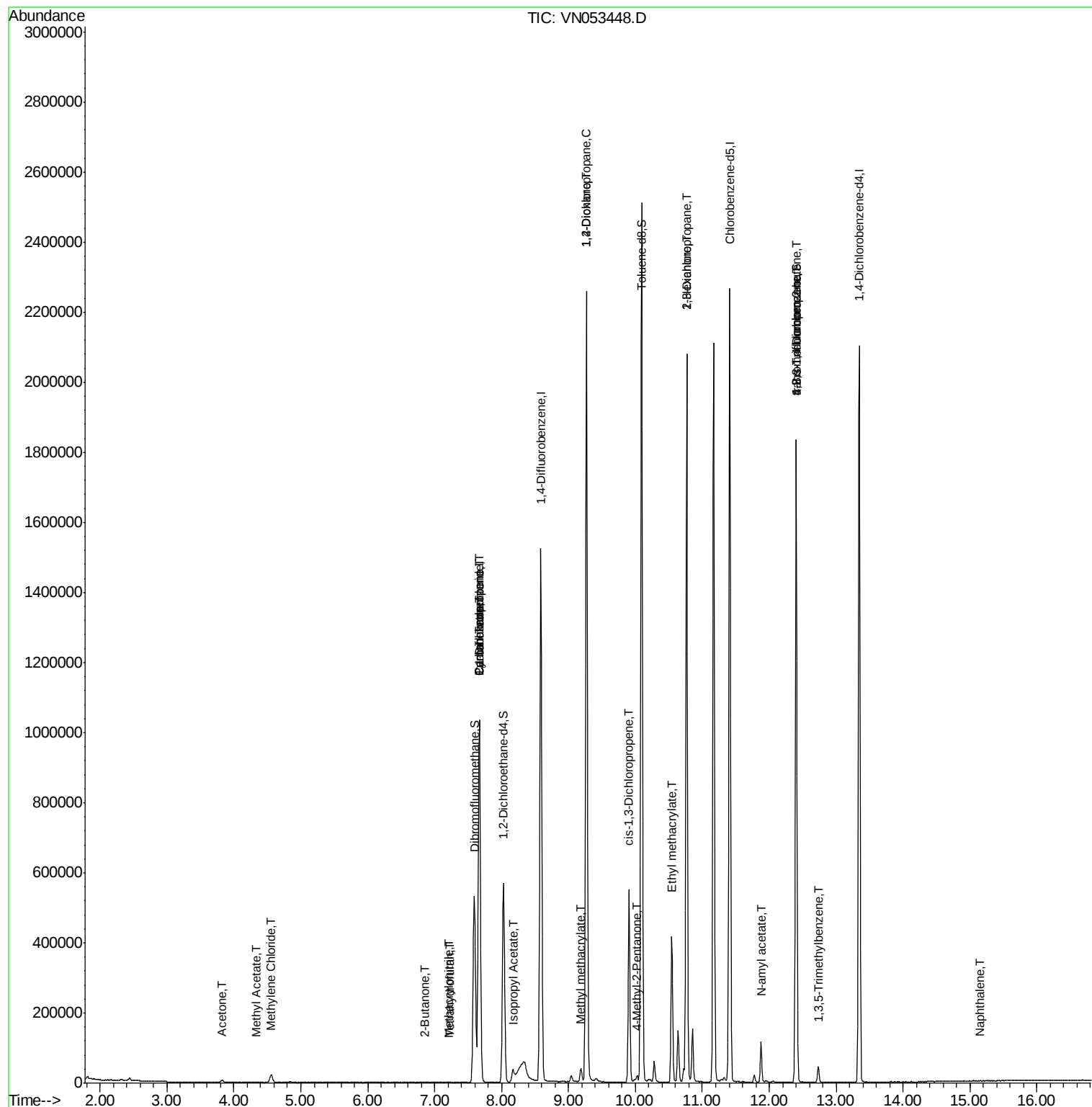
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	465885	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	7.59	113	413919	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.09	98	1780769	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	625962	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	

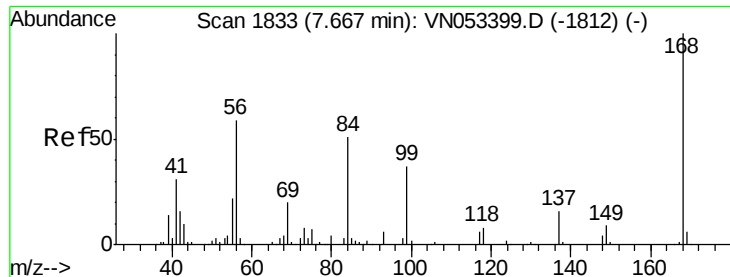
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	12585	5.958	ug/l	97
18) Methyl Acetate	4.34	43	3887	0.546	ug/l #	72
20) Methylene Chloride	4.56	84	16971	1.760	ug/l	98
25) 2-Butanone	6.85	43	2262	0.695	ug/l #	83
29) Tetrahydrofuran	7.22	42	1986	0.937	ug/l #	55
31) Cyclohexane	7.67	56	14749	0.712	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	58473	4.488	ug/l #	44
38) Carbon Tetrachloride	7.67	117	79428	6.439	ug/l #	15
41) Methacrylonitrile	7.20	41	298	0.733	ug/l #	31
43) Isopropyl Acetate	8.17	43	49327	3.660	ug/l #	79
45) 1,2-Dichloropropane	9.27	63	2954	0.282	ug/l #	43
48) Methyl methacrylate	9.18	41	13115	1.885	ug/l #	12
49) 1,4-Dioxane	9.26	88	250	3.678	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	14743	2.004	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	103048	6.845	ug/l #	62
56) Ethyl methacrylate	10.55	69	1529	2.180	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	22464	1.532	ug/l #	43
59) 2-Hexanone	10.77	43	292106	56.555	ug/l #	50
74) N-amyl acetate	11.88	43	35727	3.002	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	292338	36.391	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	24326	0.670	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	292338	89.964	ug/l #	15
95) Naphthalene	15.14	128	327	3.959	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
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: VN053448.D

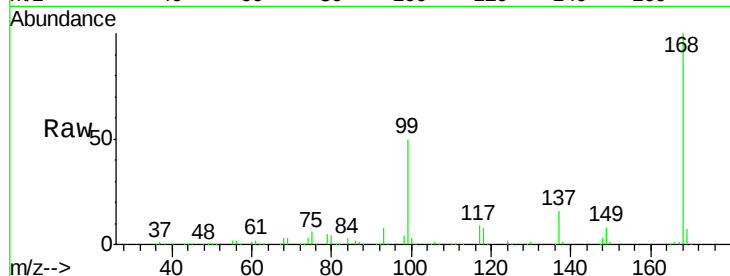
Acq: 17 Jan 2019 21:20

Tot Ion:168 Resp: 910896

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

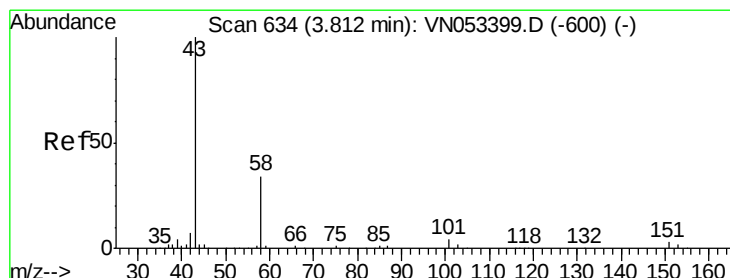
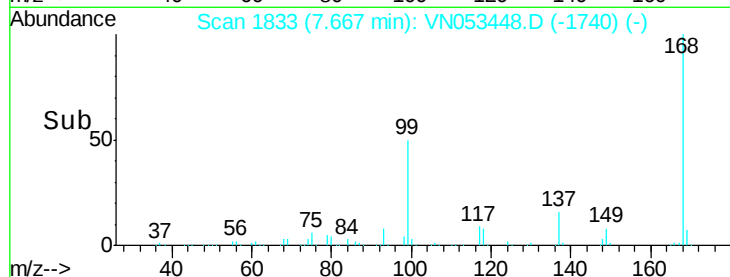
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 5.958 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053448.D

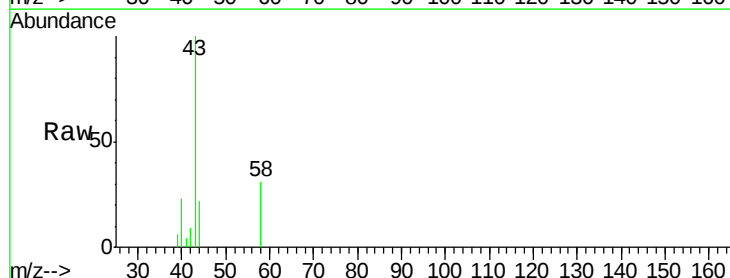
Acq: 17 Jan 2019 21:20

Tgt Ion: 43 Resp: 12585

Ion Ratio Lower Upper

43 100

58 32.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

5000

4000

3000

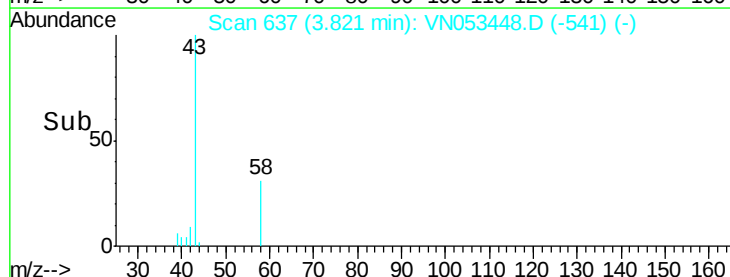
2000

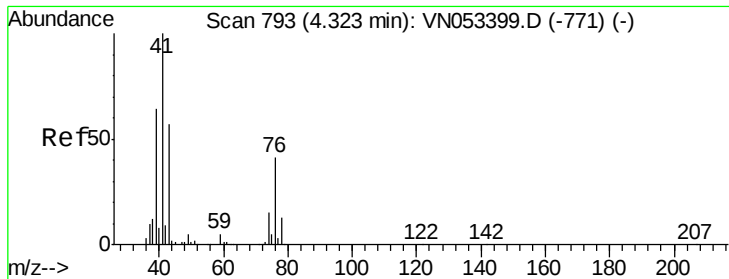
1000

0

3.75 3.80 3.85 3.90

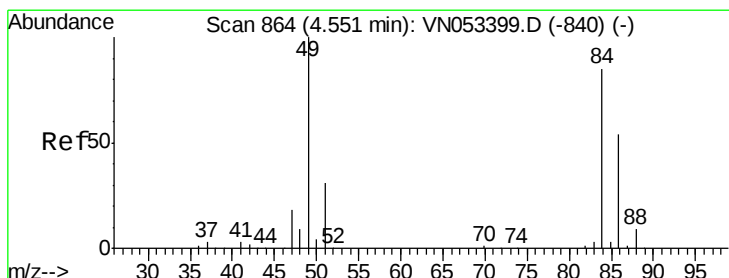
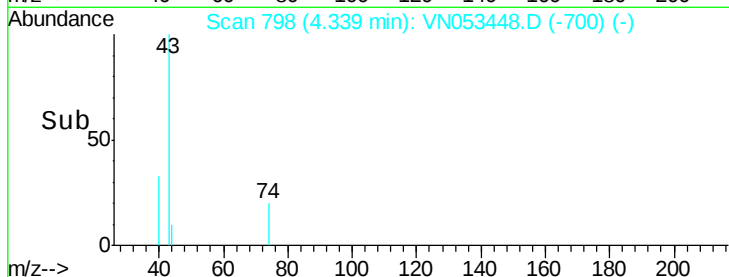
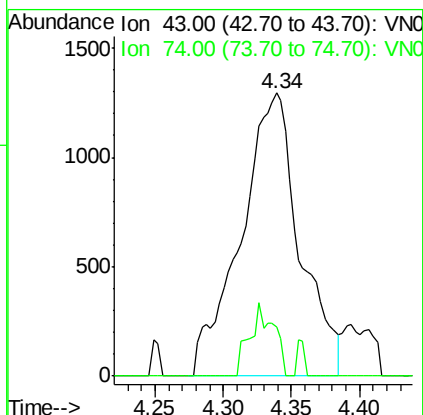
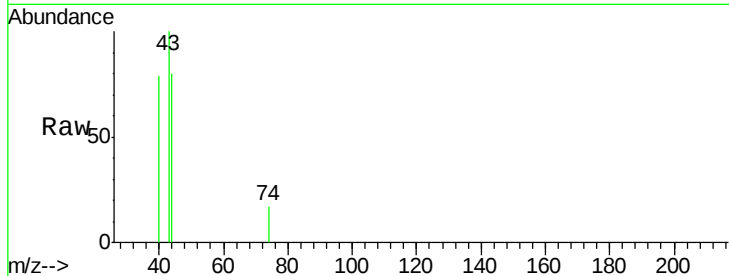
Time-->





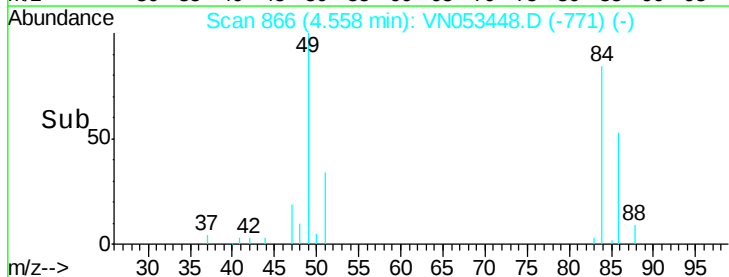
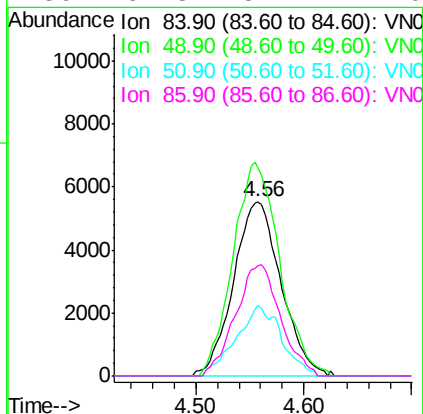
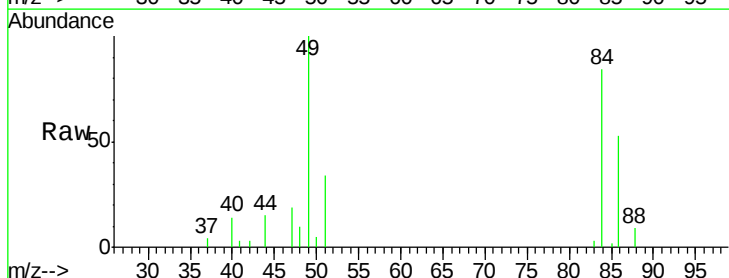
#18
Methyl Acetate
Concen: 0.546 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

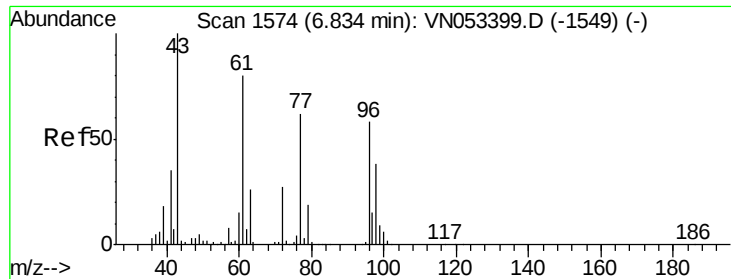
Tot Ion: 43 Resp: 3887
Ion Ratio Lower Upper
43 100
74 10.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.760 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

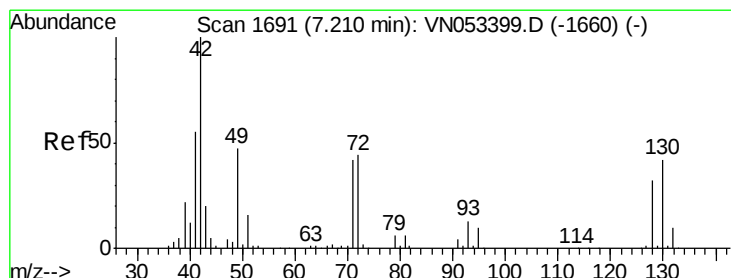
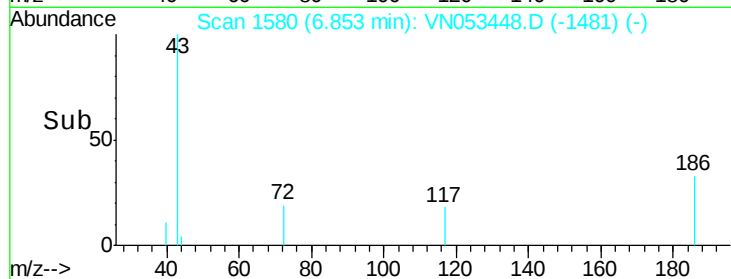
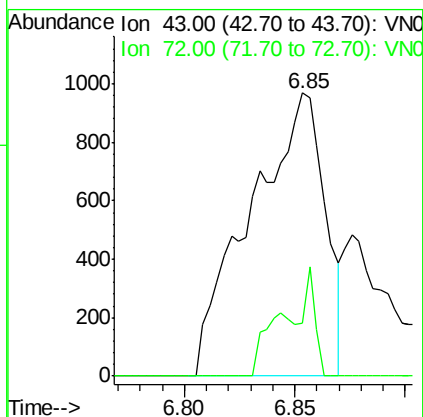
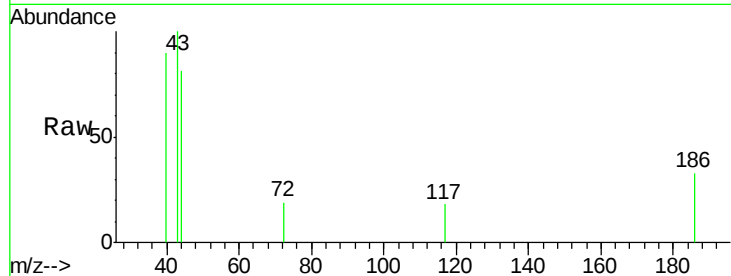
Tgt Ion: 84 Resp: 16971
Ion Ratio Lower Upper
84 100
49 119.5 94.3 141.5
51 40.3 29.4 44.2
86 62.8 51.4 77.0





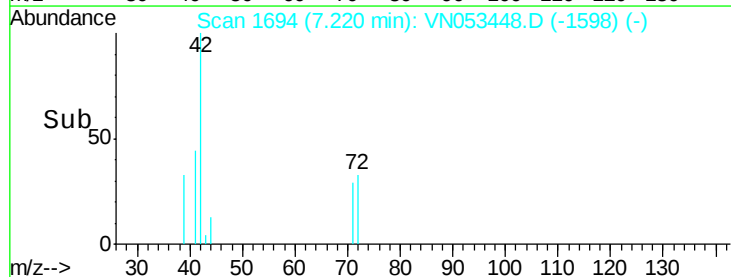
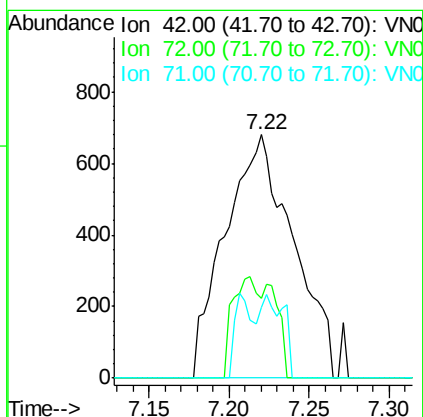
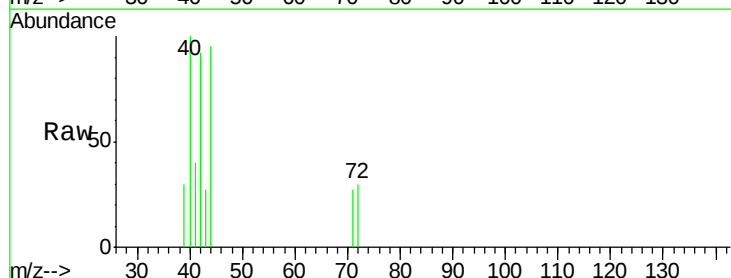
#25
 2-Butanone
 Concen: 0.695 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

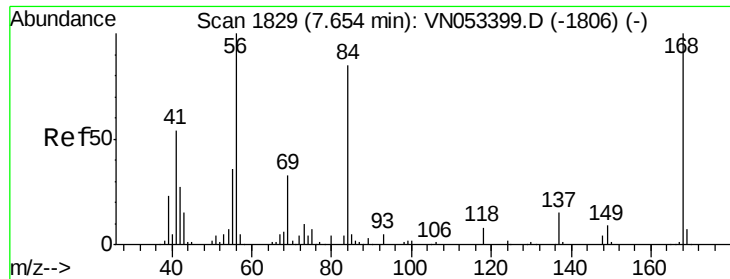
Tot Ion: 43 Resp: 2262
 Ion Ratio Lower Upper
 43 100
 72 18.8 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.937 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

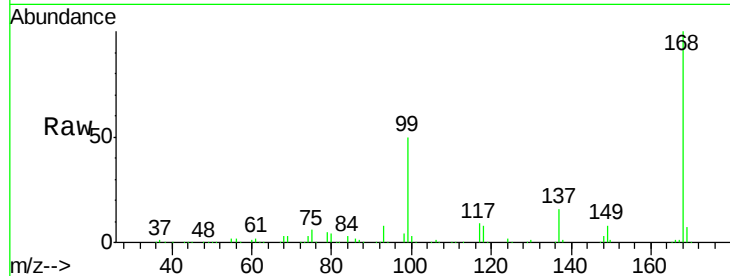
Tgt Ion: 42 Resp: 1986
 Ion Ratio Lower Upper
 42 100
 72 16.5 35.2 52.8#
 71 11.7 33.0 49.4#



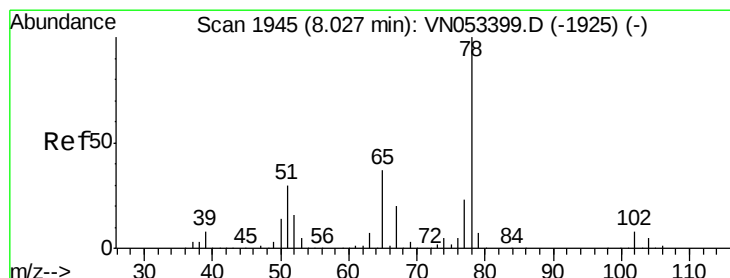
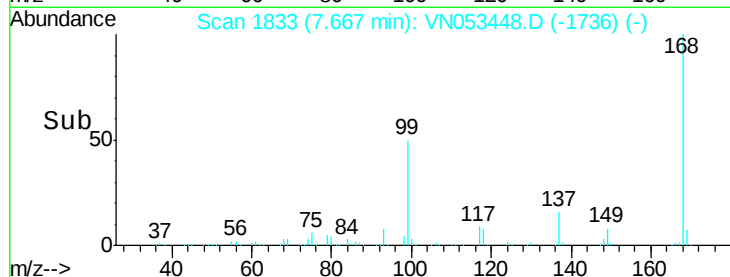
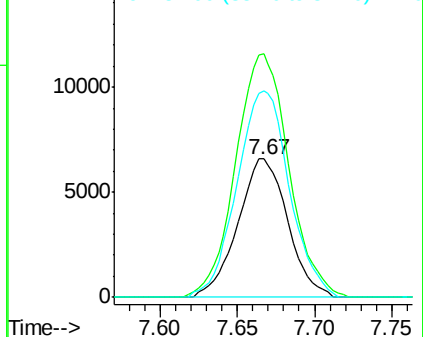


#31
Cyclohexane
Concen: 0.712 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

Tot Ion: 56 Resp: 14749
Ion Ratio Lower Upper
56 100
69 173.4 26.4 39.6#
84 149.4 67.9 101.9#

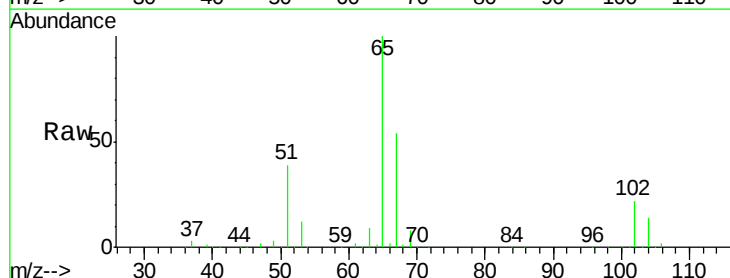


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

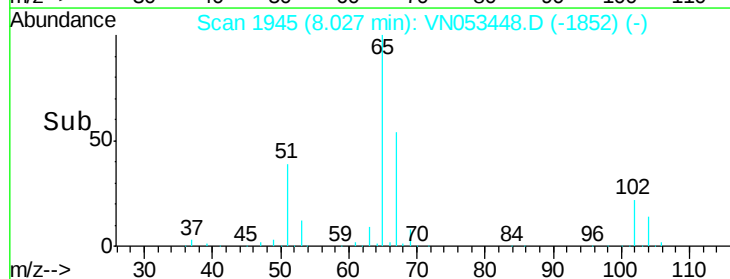
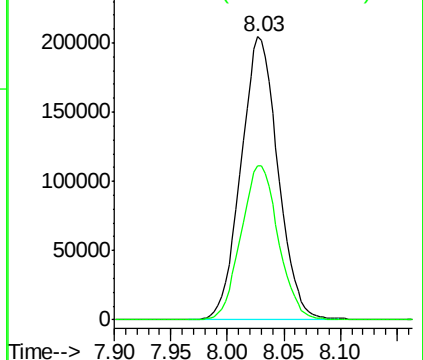


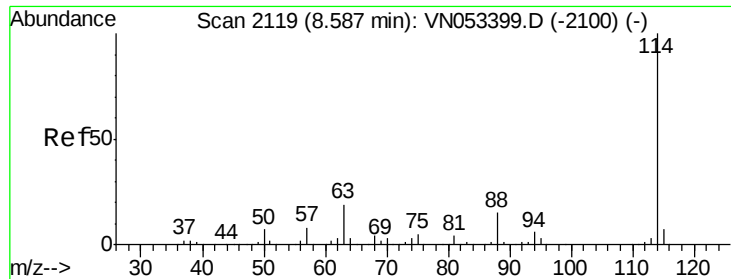
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

Tgt Ion: 65 Resp: 465885
Ion Ratio Lower Upper
65 100
67 54.9 0.0 111.2



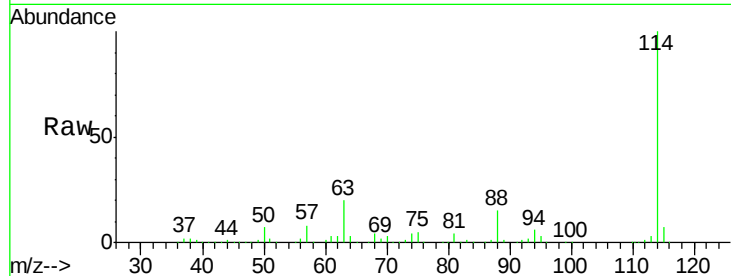
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



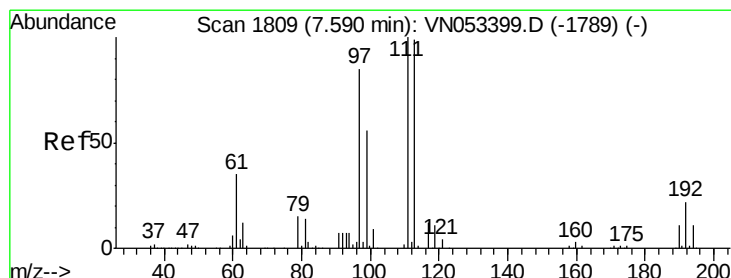
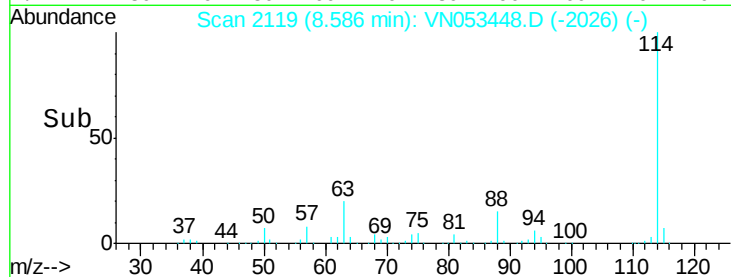
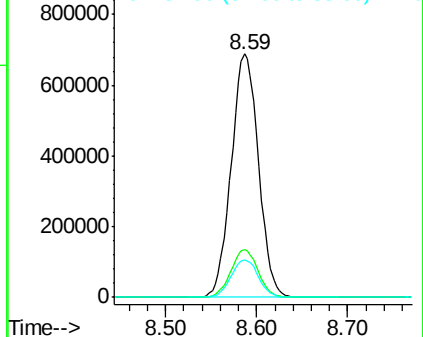


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

Tot Ion:114 Resp: 1430580
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.3 0.0 30.4

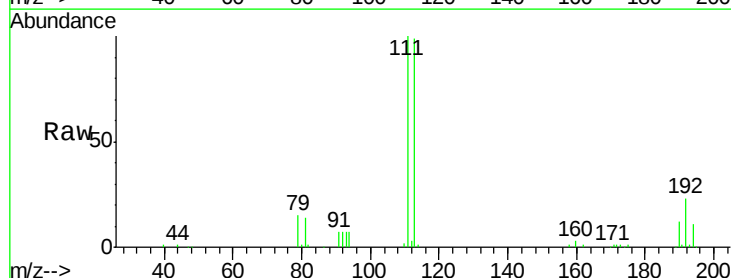


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

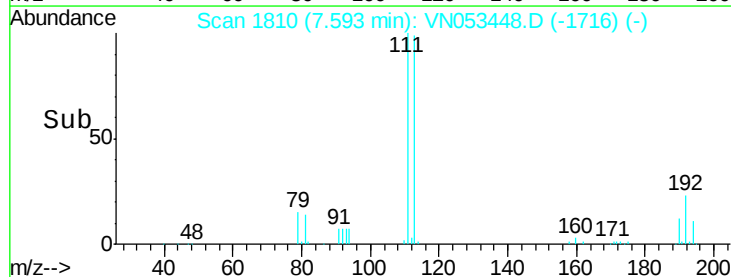
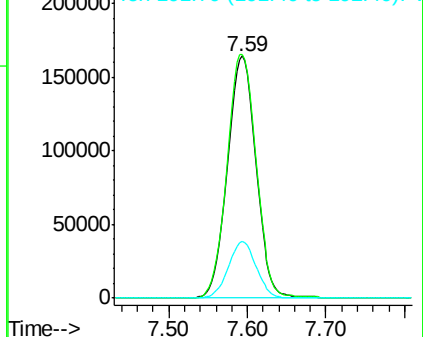


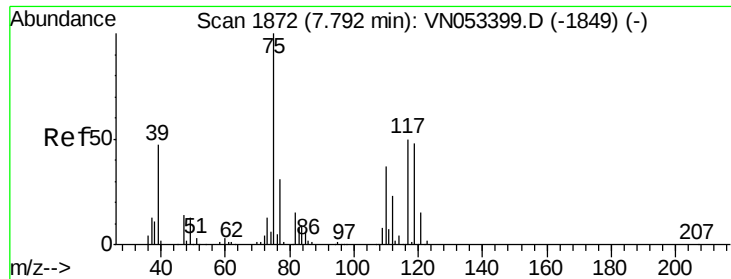
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

Tgt Ion:113 Resp: 413919
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 22.9 18.2 27.2



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: 4.488 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

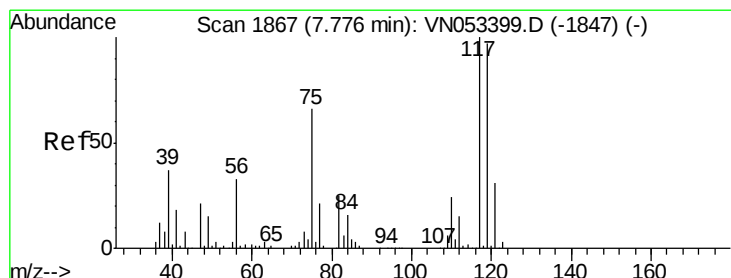
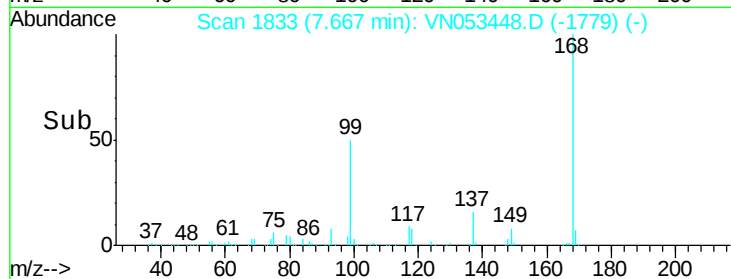
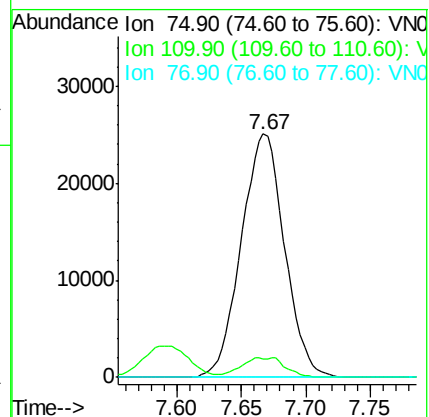
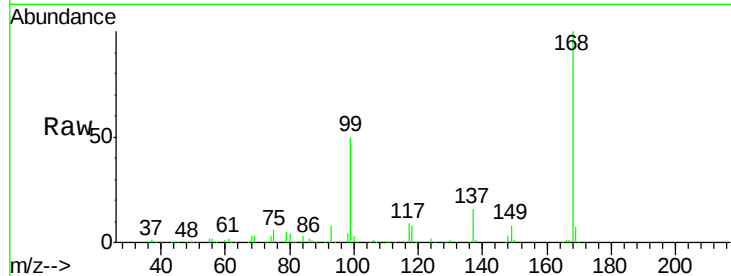
Tot Ion: 75 Resp: 58473

Ion Ratio Lower Upper

75 100

110 3.4 18.1 54.3#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.439 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

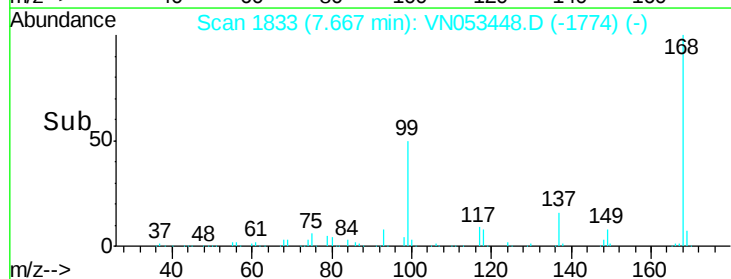
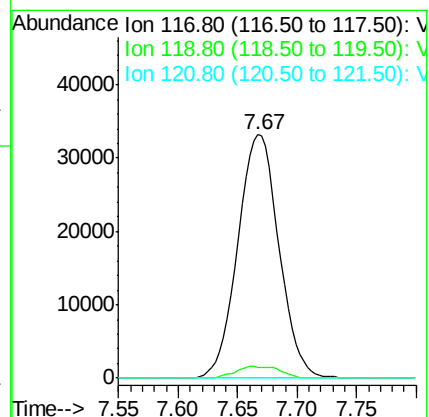
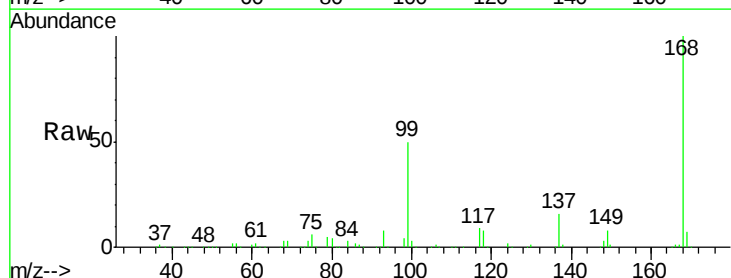
Tgt Ion: 117 Resp: 79428

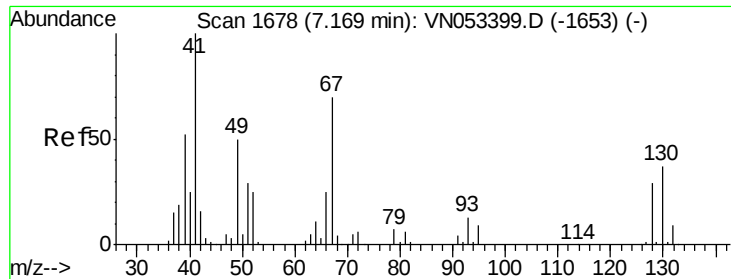
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

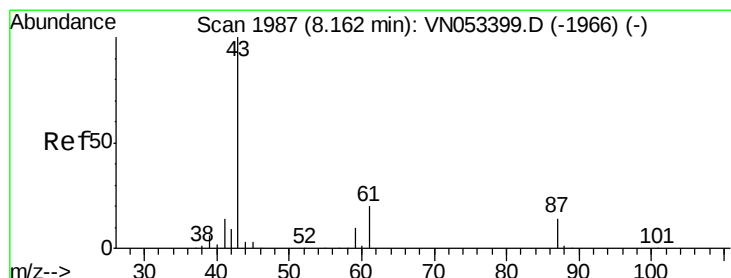
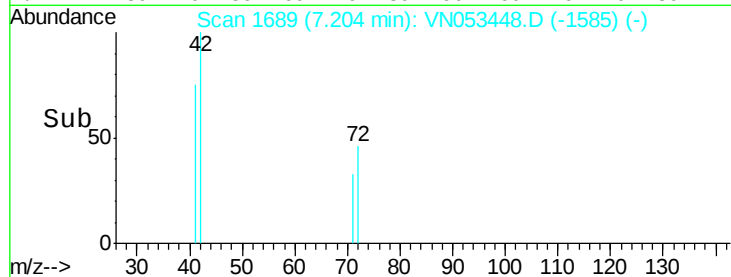
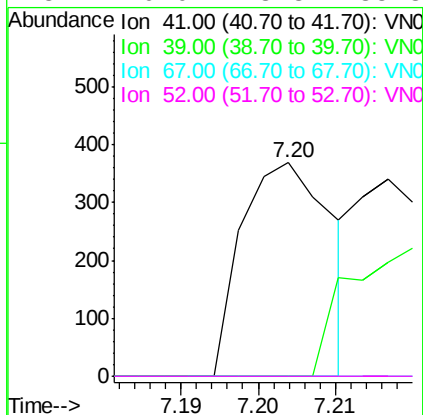
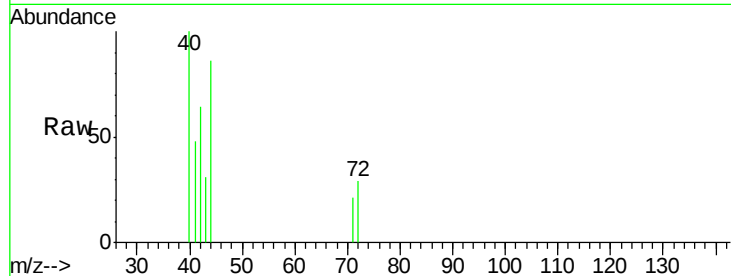
121 0.0 24.6 37.0#





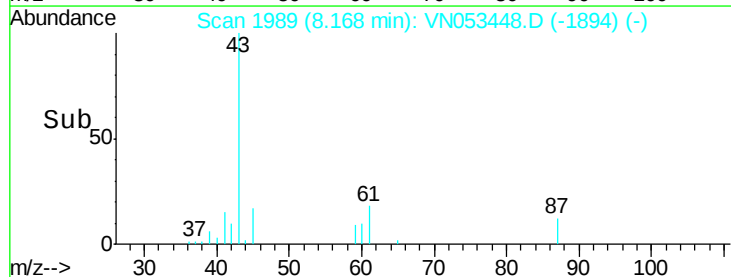
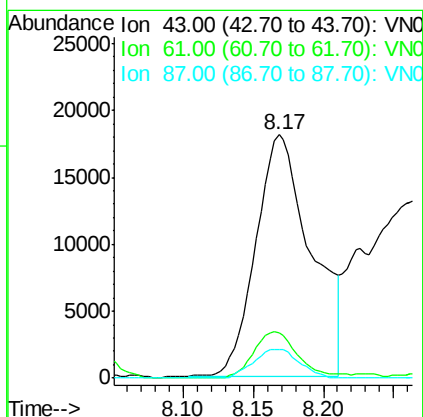
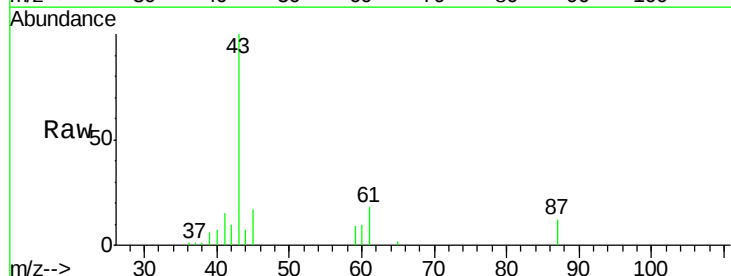
#41
Methacrylonitrile
Concen: 0.733 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.04 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

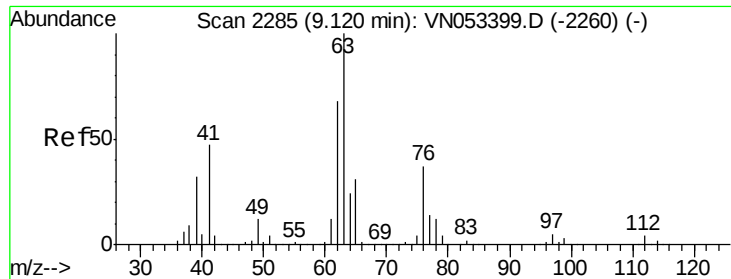
Tot Ion:	41	Resp:	298
Ion	Ratio	Lower	Upper
41	100		
39	94.3	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 3.660 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

Tgt Ion:	43	Resp:	49327
Ion	Ratio	Lower	Upper
43	100		
61	15.5	23.9	35.9#
87	9.8	11.0	16.6#





#45

1,2-Dichloropropane

Concen: 0.282 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053448.D

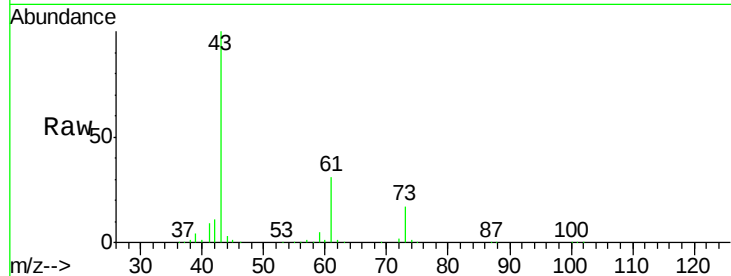
Acq: 17 Jan 2019 21:20

Tot Ion: 63 Resp: 2954

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.27

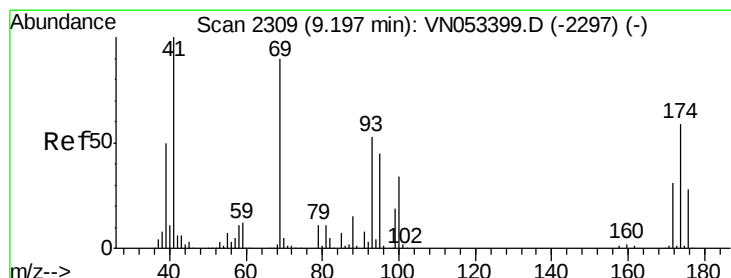
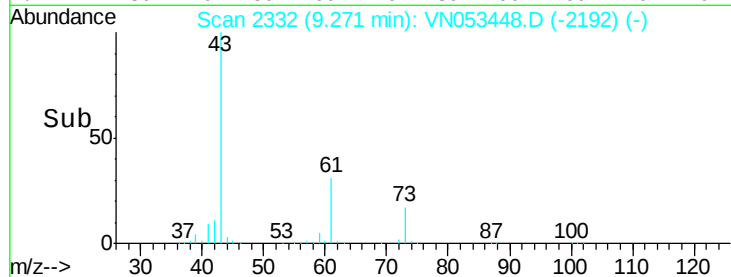
1500

1000

500

0

Time-->



#48

Methyl methacrylate

Concen: 1.885 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

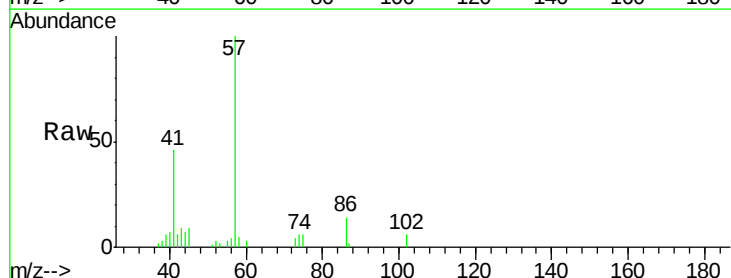
Tgt Ion: 41 Resp: 13115

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

39 0.0 40.0 60.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

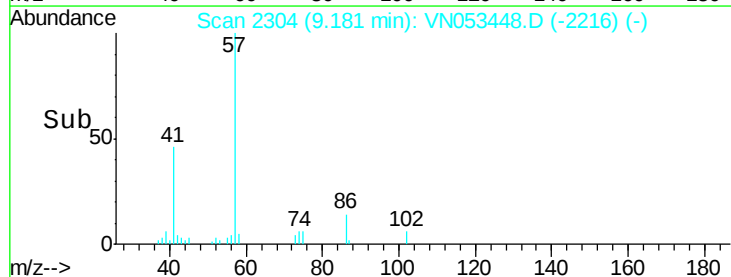
Ion 39.00 (38.70 to 39.70): VN0

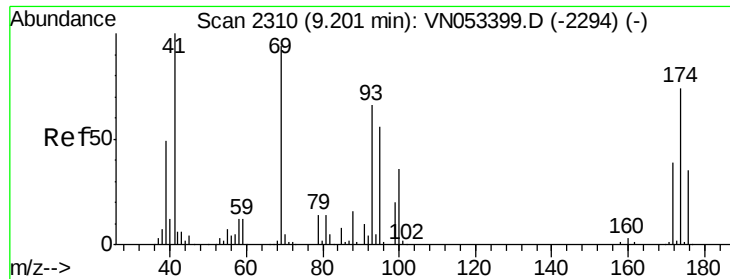
100000

50000

0

Time-->





#49

1,4-Dioxane

Concen: 3.678 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

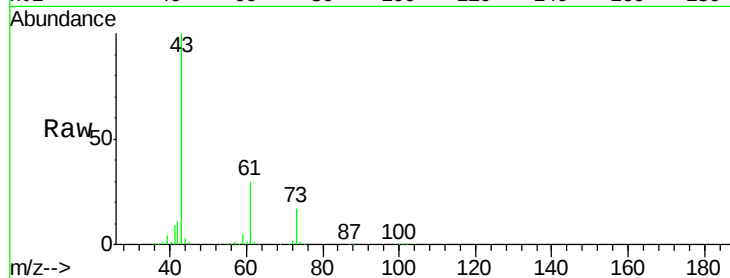
Tot Ion: 88 Resp: 250

Ion Ratio Lower Upper

88 100

43 883300.4 27.8 41.6#

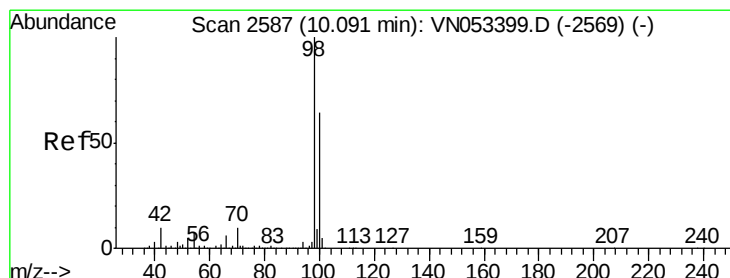
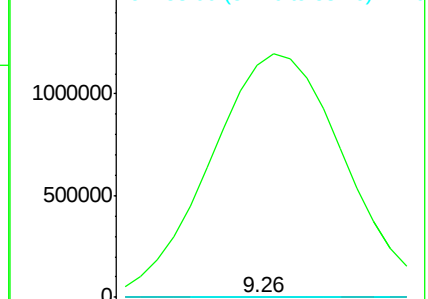
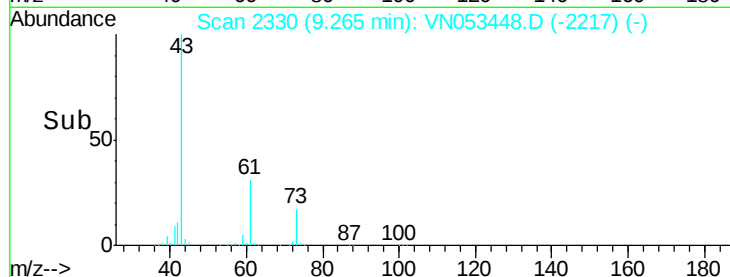
58 4101.2 56.5 84.7#



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: 3.678 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053448.D

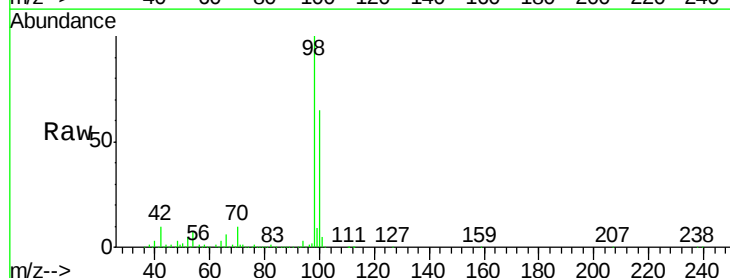
Acq: 17 Jan 2019 21:20

Tgt Ion: 98 Resp: 1780769

Ion Ratio Lower Upper

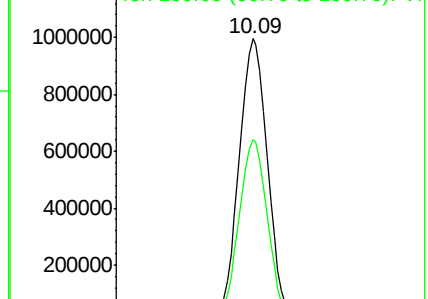
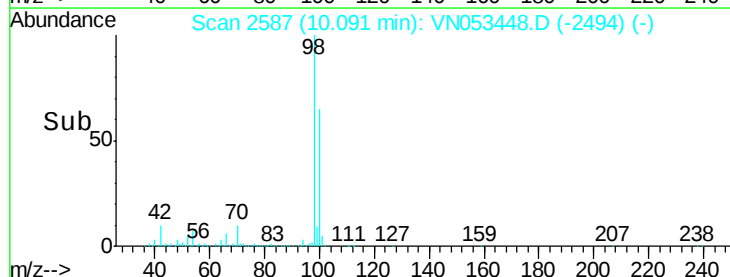
98 100

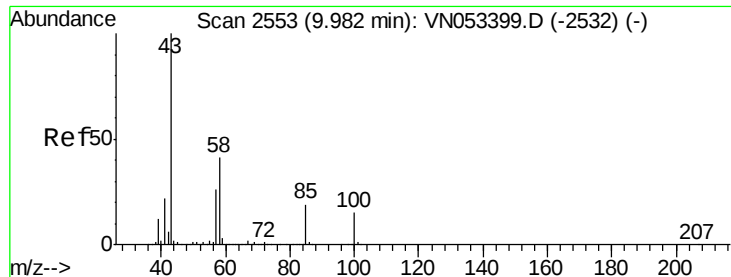
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

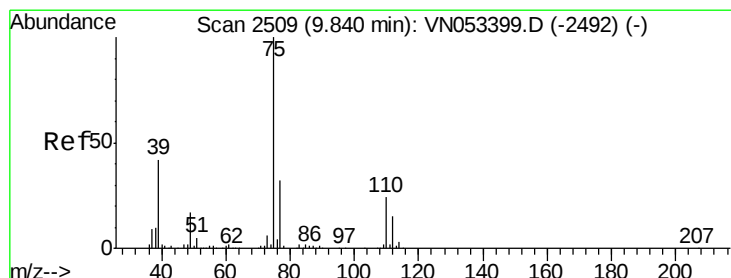
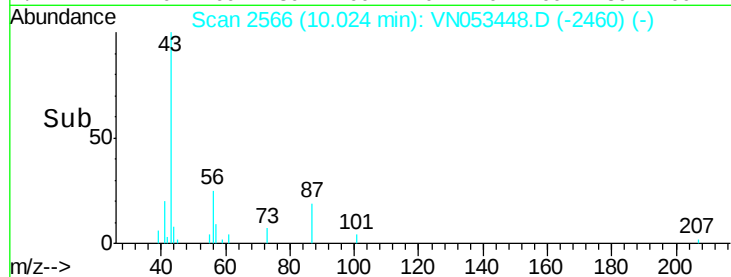
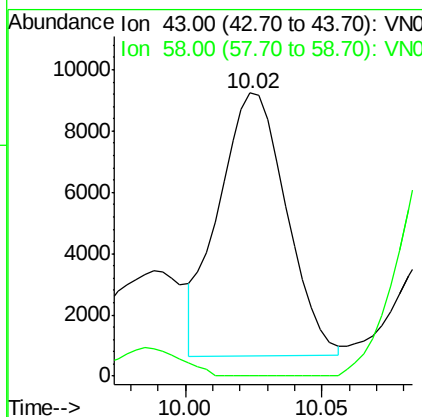
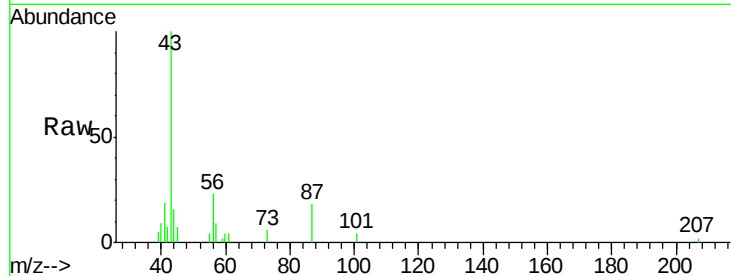
Ion 100.00 (99.70 to 100.70): VN0





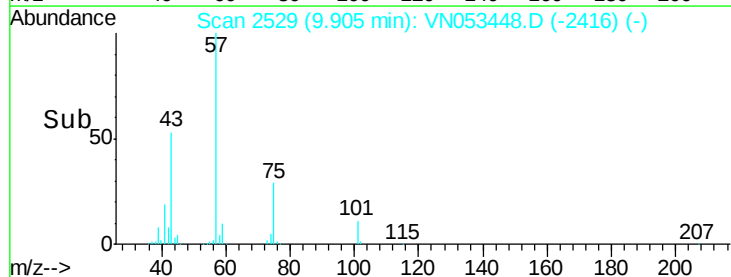
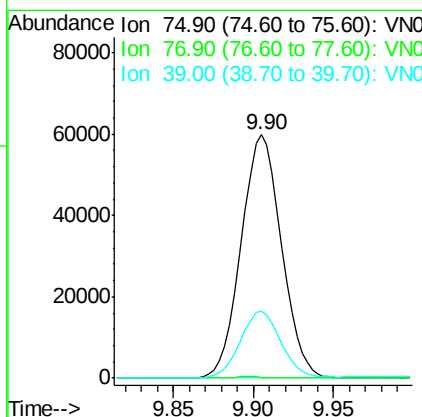
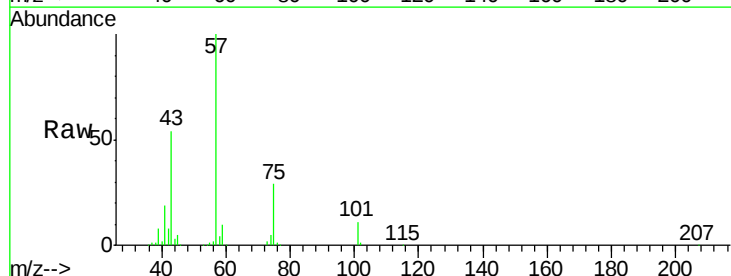
#51
 4-Methyl-2-Pentanone
 Concen: 2.004 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

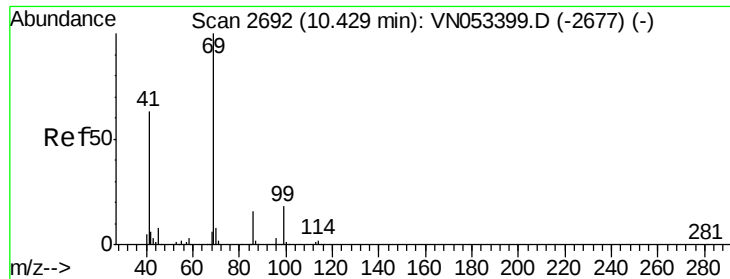
Tot Ion: 43 Resp: 14743
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.8 49.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.845 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

Tgt Ion: 75 Resp: 103048
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.6#
 39 27.3 33.4 50.0#





#56

Ethyl methacrylate

Concen: 2.180 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

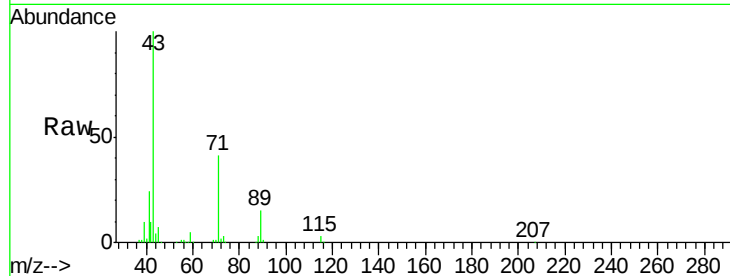
Tot Ion: 69 Resp: 1529

Ion Ratio Lower Upper

69 100

41 4713.5 49.4 74.0#

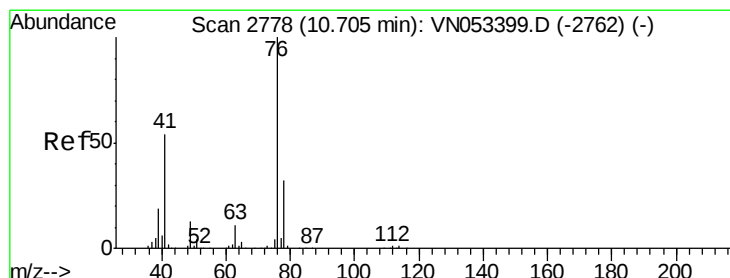
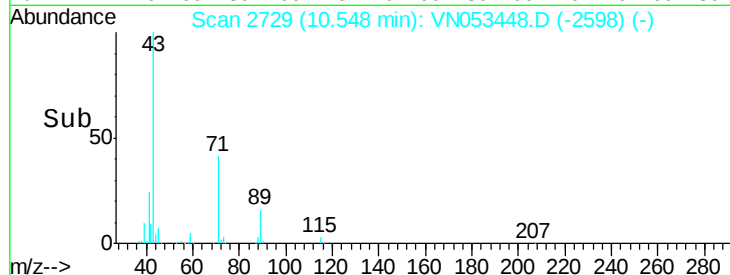
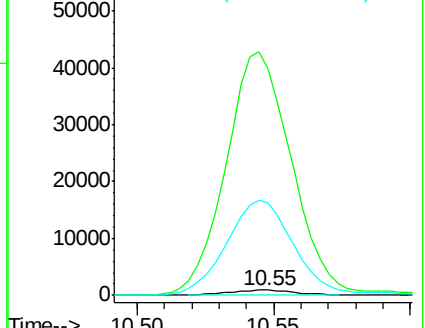
39 1886.3 23.3 34.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.532 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053448.D

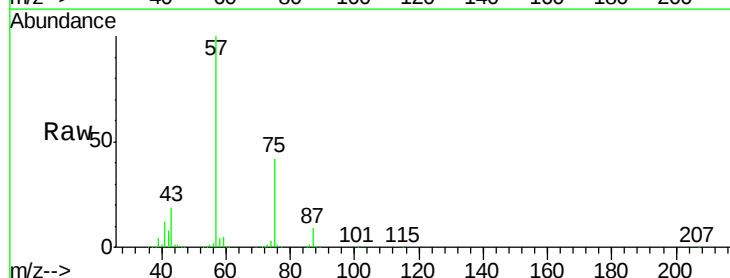
Acq: 17 Jan 2019 21:20

Tgt Ion: 76 Resp: 22464

Ion Ratio Lower Upper

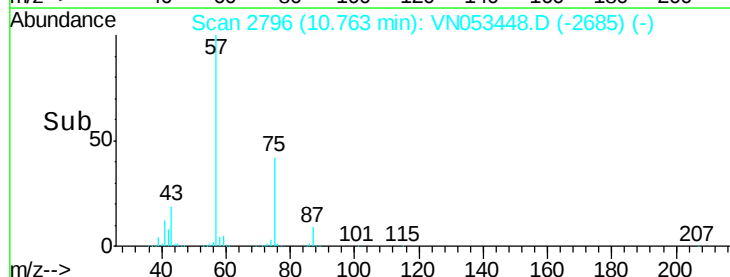
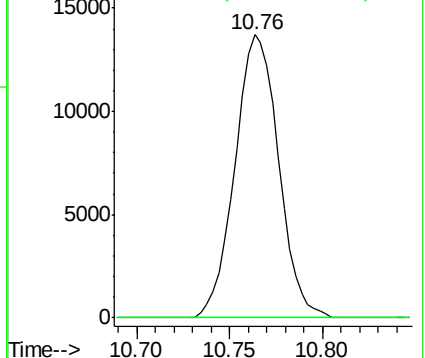
76 100

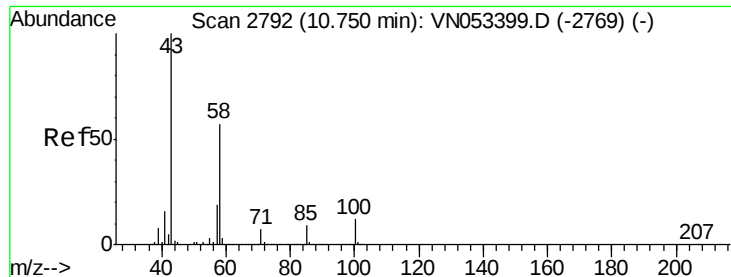
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

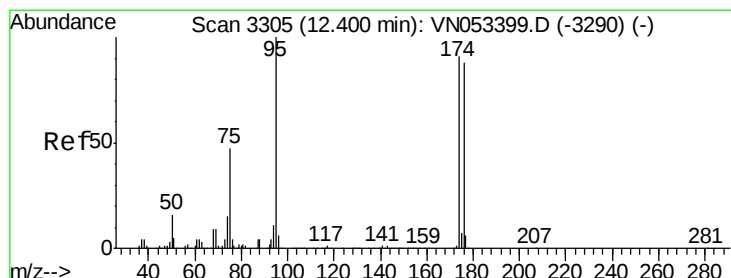
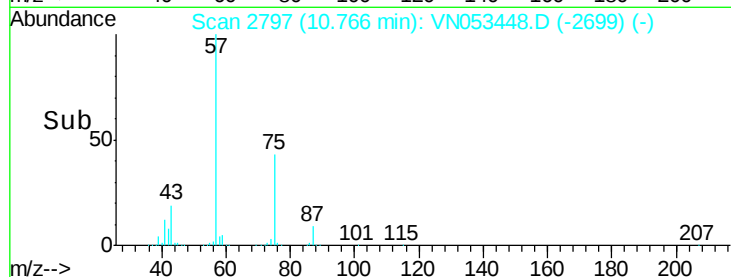
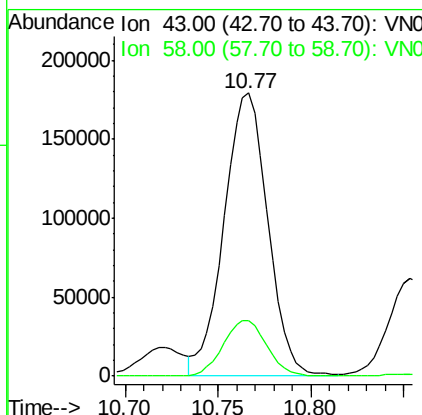
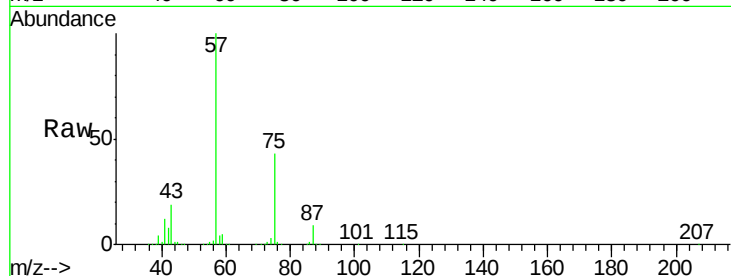
Ion 77.90 (77.60 to 78.60): VN0





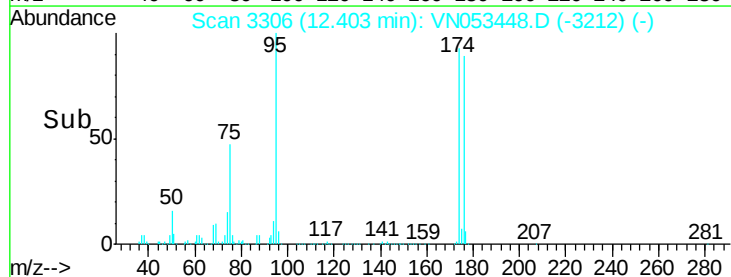
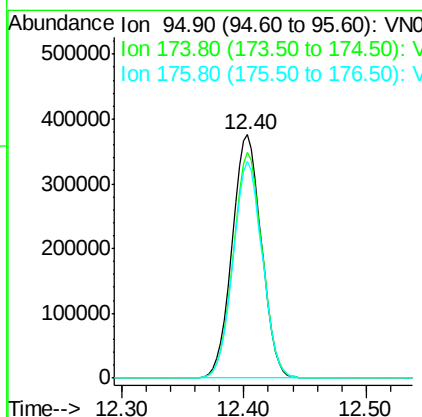
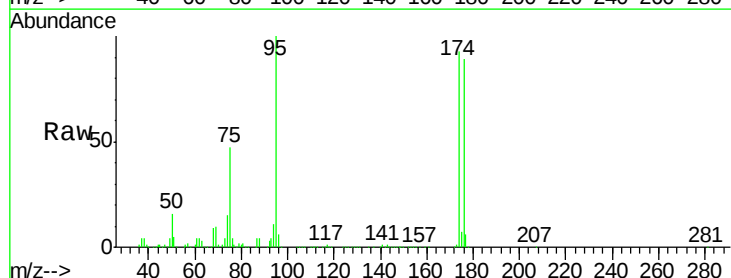
#59
2-Hexanone
Concen: 56.555 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

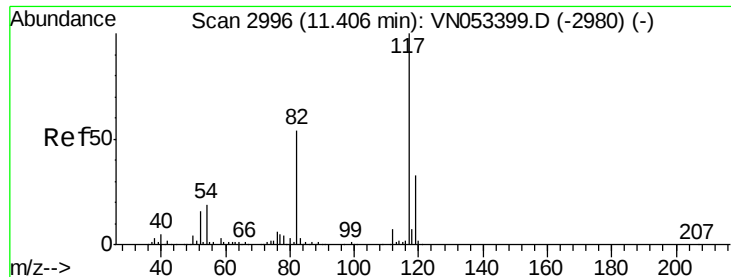
Tot Ion: 43 Resp: 292106
Ion Ratio Lower Upper
43 100
58 20.0 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

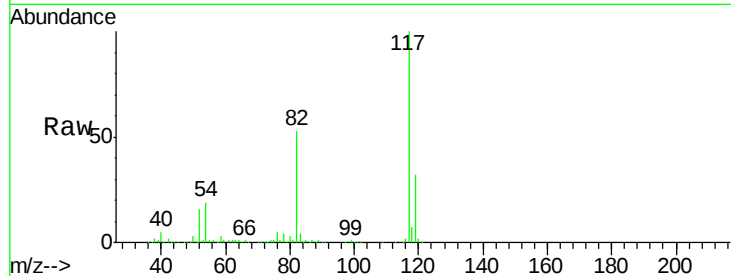
Tgt Ion: 95 Resp: 625962
Ion Ratio Lower Upper
95 100
174 92.1 0.0 183.2
176 88.4 0.0 177.4



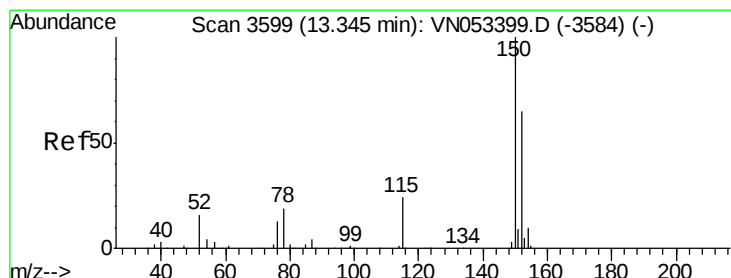
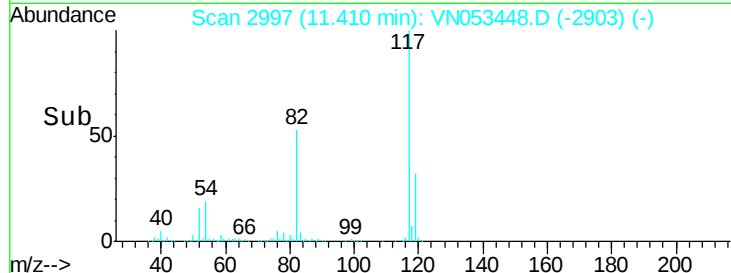
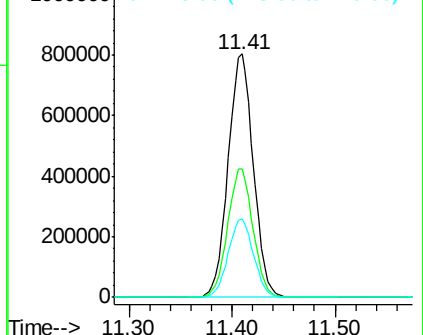


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

Tot Ion:117 Resp: 1367050
Ion Ratio Lower Upper
117 100
82 52.8 42.9 64.3
119 32.3 26.0 39.0

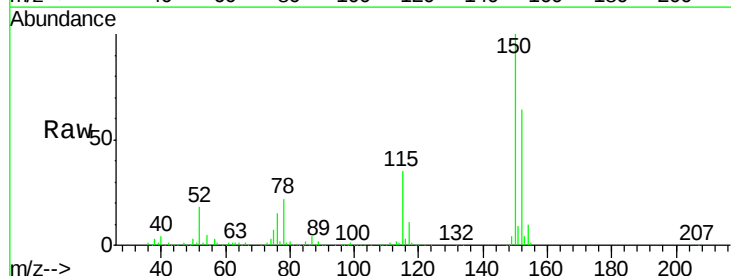


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

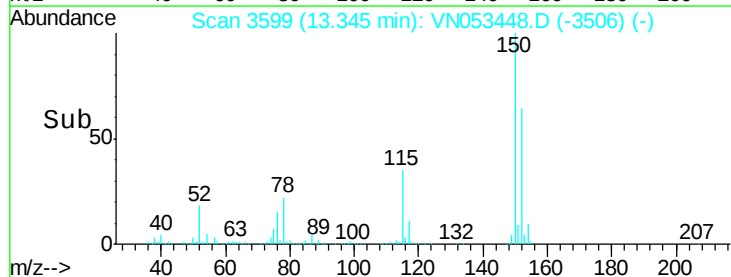
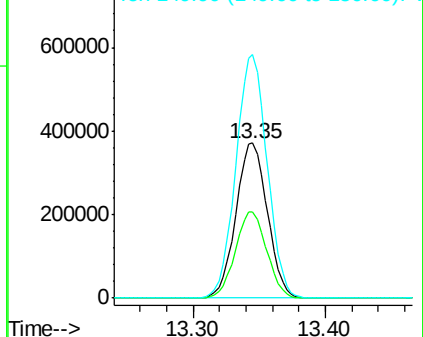


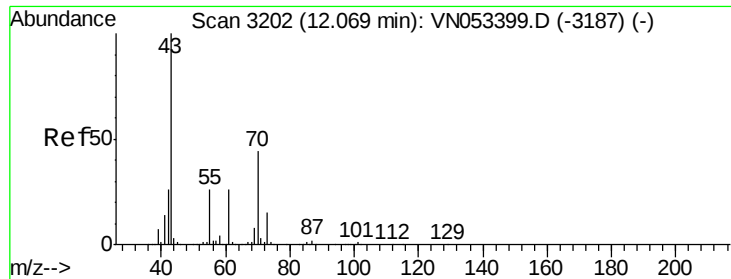
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053448.D
Acq: 17 Jan 2019 21:20

Tgt Ion:152 Resp: 609590
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 156.8 0.0 349.0



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-amvl acetate

Concen: 3.002 ug/l

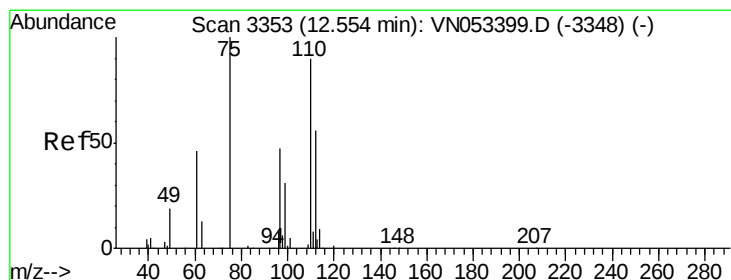
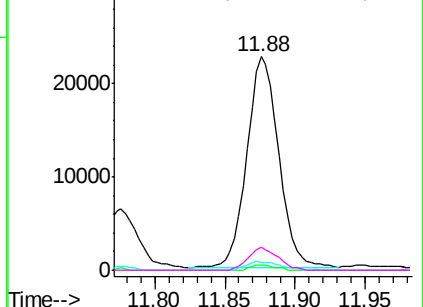
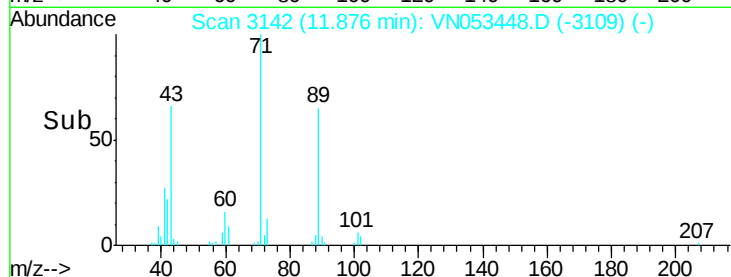
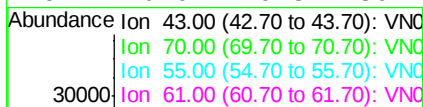
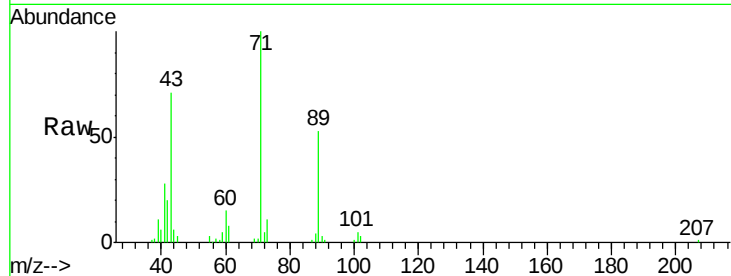
RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

Tot Ion:	43	Resp:	35727
Ion	Ratio	Lower	Upper
43	100		
70	1.9	35.4	53.2#
55	4.3	20.9	31.3#
61	10.0	20.5	30.7#



#76

1,2,3-Trichloropropane

Concen: 36.391 ug/l

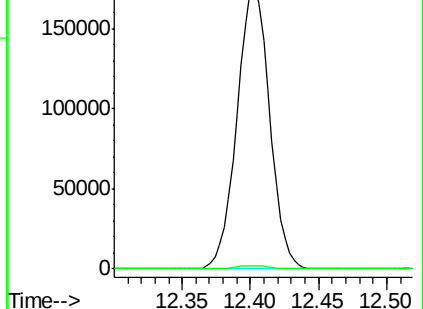
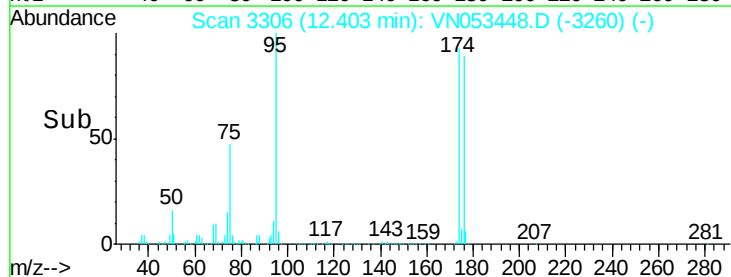
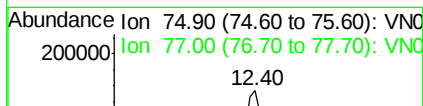
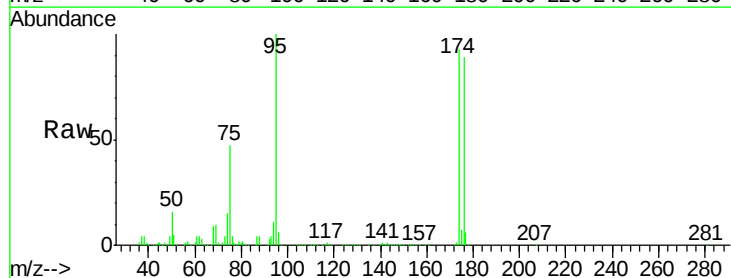
RT: 12.40 min Scan# 3306

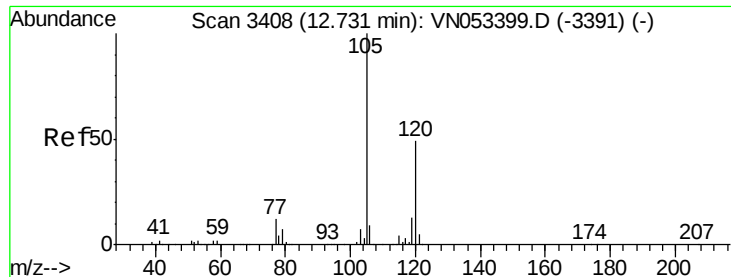
Delta R.T. -0.15 min

Lab File: VN053448.D

Acq: 17 Jan 2019 21:20

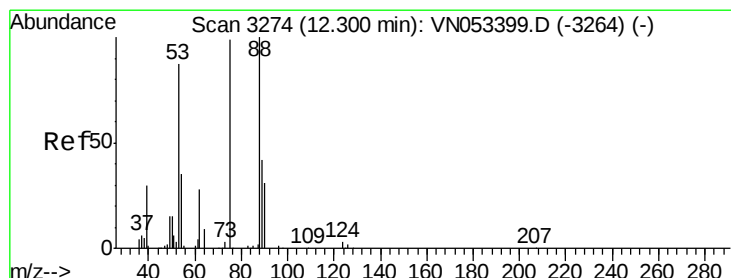
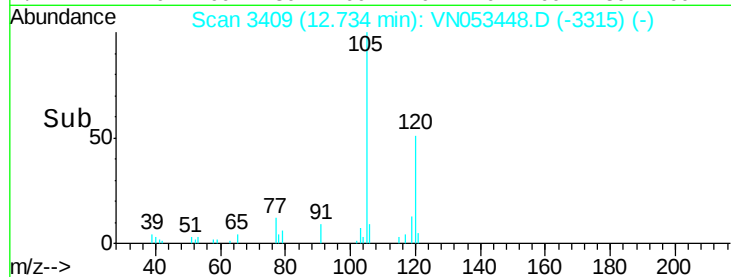
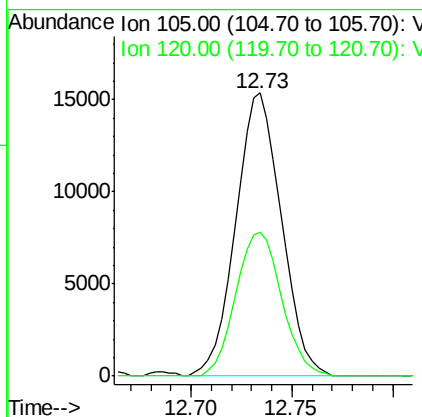
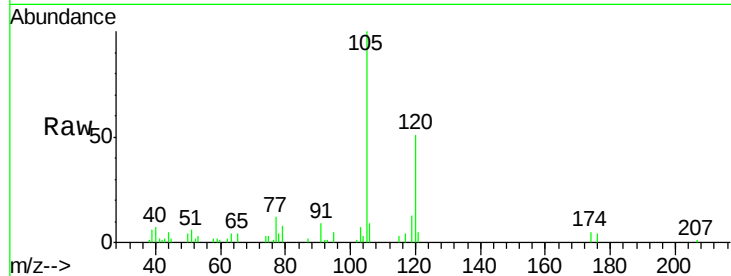
Tgt Ion:	75	Resp:	292338
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





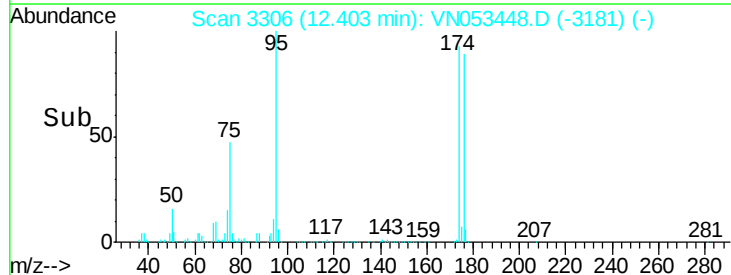
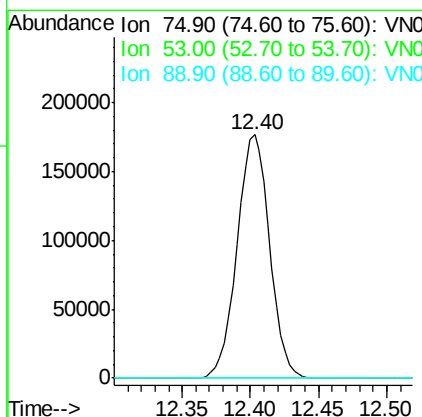
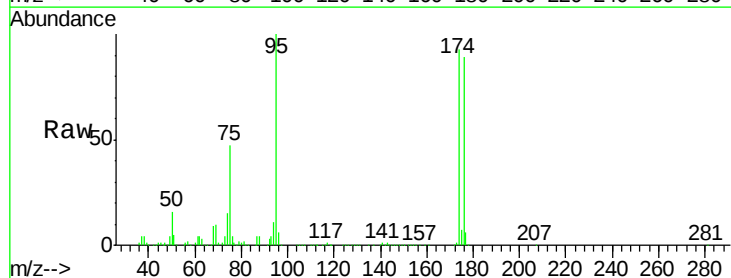
#80
 1,3,5-Trimethylbenzene
 Concen: 0.670 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

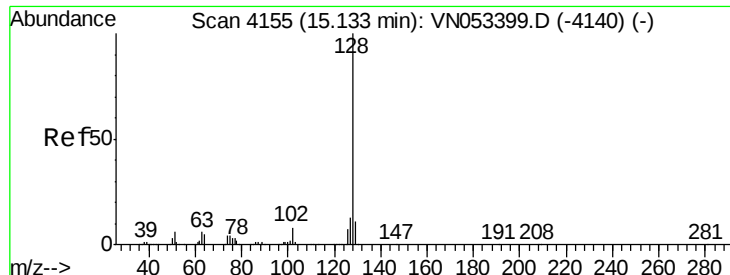
Tot Ion:105 Resp: 24326
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.964 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

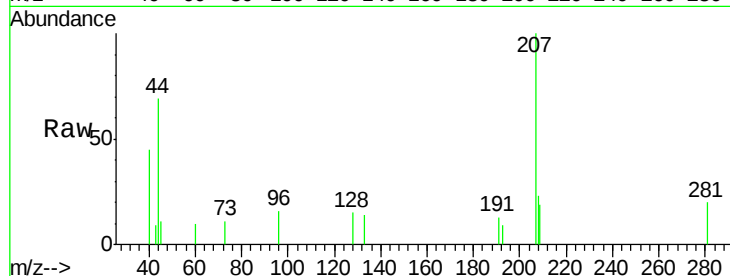
Tgt Ion: 75 Resp: 292338
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.6#
 89 0.0 35.6 53.4#





#95
 Naphthalene
 Concen: 3.959 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN053448.D
 Acq: 17 Jan 2019 21:20

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#



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

