

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092218\
 Data File : VN051386.D
 Acq On : 21 Sep 2018 22:19
 Operator : MD\SY
 Sample : PB113086ZHE#17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

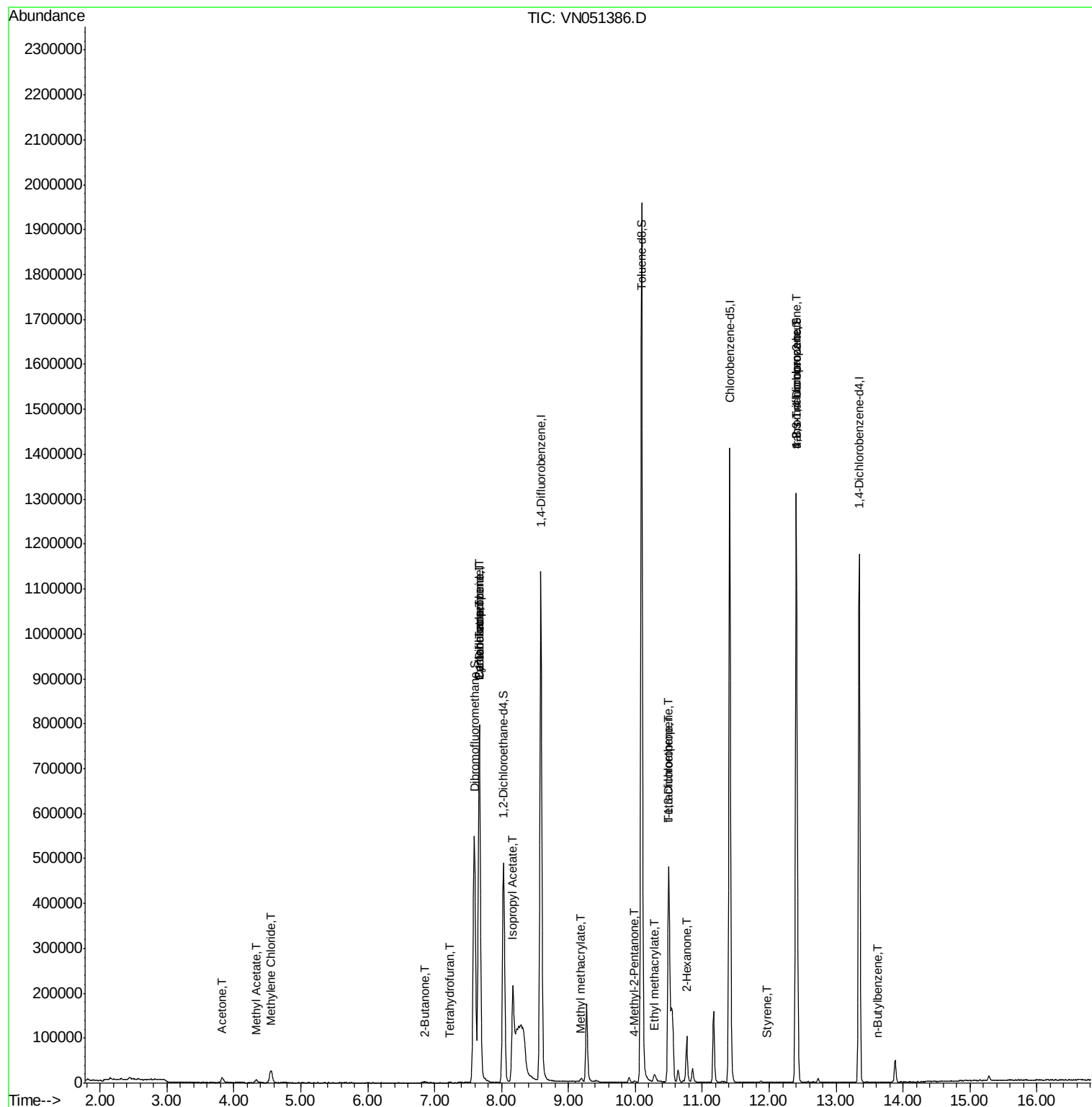
Quant Time: Sep 21 23:06:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:23:57 2018
 Response via : Initial Calibration

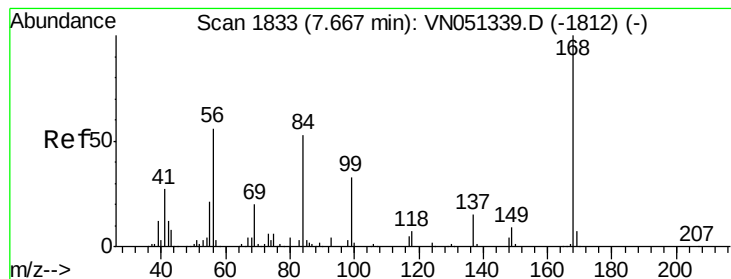
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	739187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1106860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	924750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	353954	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424609	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	420191	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	10.09	98	1465606	42.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.24%	
62) 4-Bromofluorobenzene	12.40	95	402163	35.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.90%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.05	50	1049	Below Cal		96
16) Acetone	3.82	43	18784	10.545	ug/l	97
18) Methyl Acetate	4.33	43	13090	1.731	ug/l	99
20) Methylene Chloride	4.56	84	21496	2.610	ug/l	94
25) 2-Butanone	6.84	43	1668	0.729	ug/l #	85
29) Tetrahydrofuran	7.23	42	444	0.306	ug/l #	52
31) Cyclohexane	7.66	56	10252	0.417	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43838	3.872	ug/l #	49
38) Carbon Tetrachloride	7.67	117	60240	4.918	ug/l #	16
43) Isopropyl Acetate	8.17	43	261638	26.654	ug/l #	90
48) Methyl methacrylate	9.18	41	5119	1.023	ug/l #	9
51) 4-Methyl-2-Pentanone	9.99	43	1857	0.352	ug/l #	71
53) t-1,3-Dichloropropene	10.49	75	6018	0.546	ug/l #	55
56) Ethyl methacrylate	10.29	69	70	1.584	ug/l #	31
59) 2-Hexanone	10.77	43	14474	4.066	ug/l #	52
64) Tetrachloroethene	10.50	164	1644	0.204	ug/l #	34
70) Styrene	11.97	104	212	0.903	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.41	83	70	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	185570	39.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185570	117.543	ug/l #	14
89) n-Butylbenzene	13.62	91	31	1.430	ug/l #	33

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092218\
Data File : VN051386.D
Acq On : 21 Sep 2018 22:19
Operator : MD\SY
Sample : PB113086ZHE#17
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 21 23:06:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 04:23:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051386.D

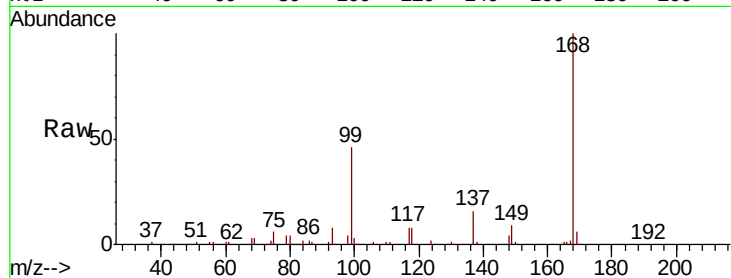
Acq: 21 Sep 2018 22:19

Tot Ion: 168 Resp: 739187

Ion Ratio Lower Upper

168 100

99 45.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN051339.D

Ion 98.90 (98.60 to 99.60): VN051339.D

7.67

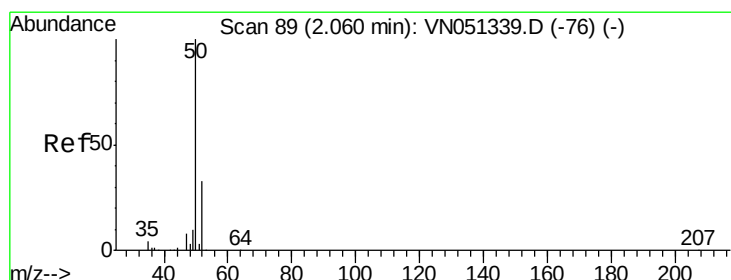
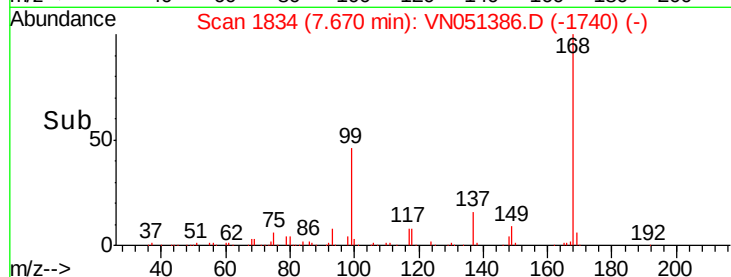
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN051386.D

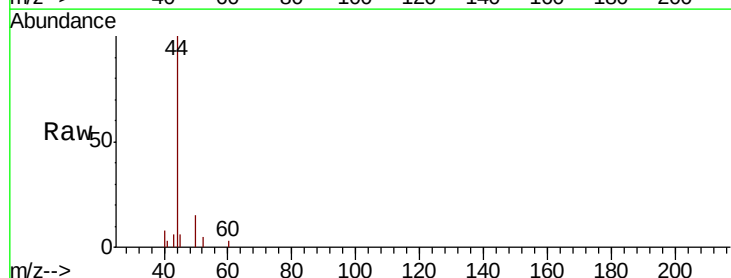
Acq: 21 Sep 2018 22:19

Tgt Ion: 50 Resp: 1049

Ion Ratio Lower Upper

50 100

52 31.1 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN051339.D

Ion 51.90 (51.60 to 52.60): VN051339.D

2.05

800

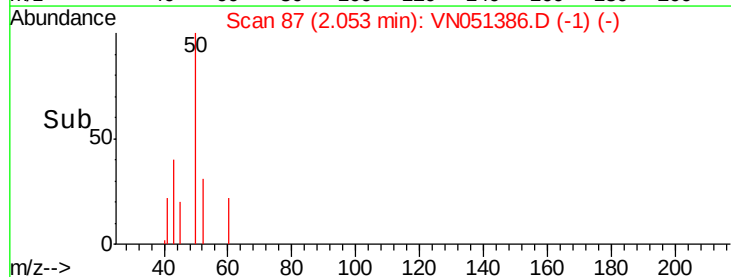
600

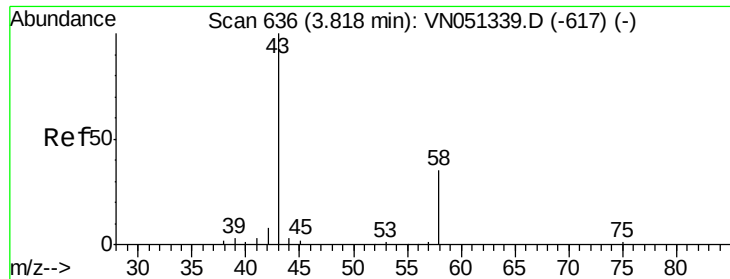
400

200

0

Time-->





#16

Acetone

Concen: 10.545 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051386.D

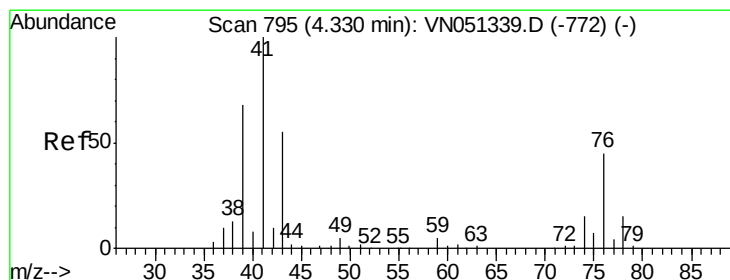
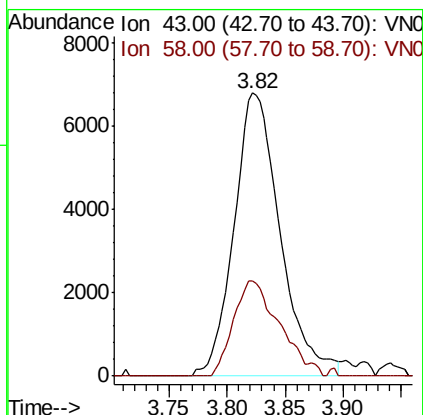
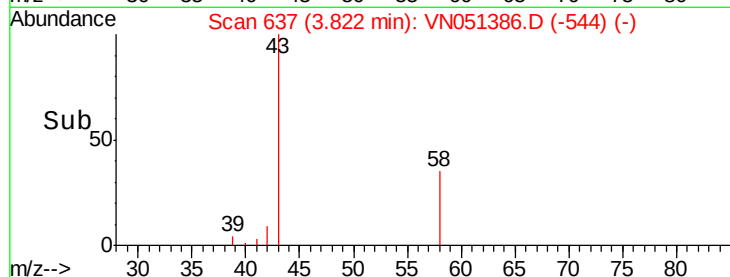
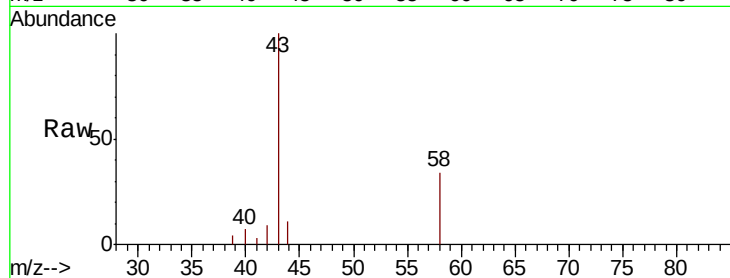
Acq: 21 Sep 2018 22:19

Tot Ion: 43 Resp: 18784

Ion Ratio Lower Upper

43 100

58 33.8 28.3 42.5



#18

Methyl Acetate

Concen: 1.731 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051386.D

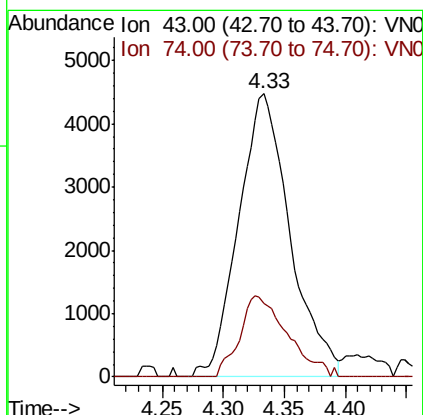
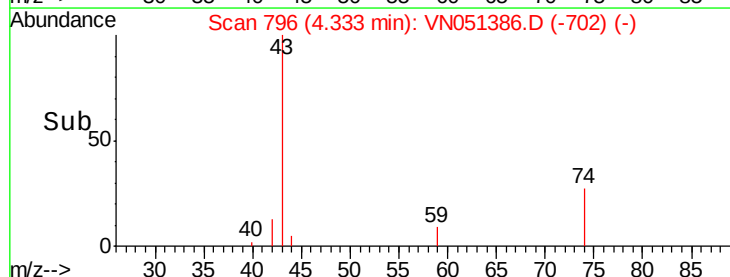
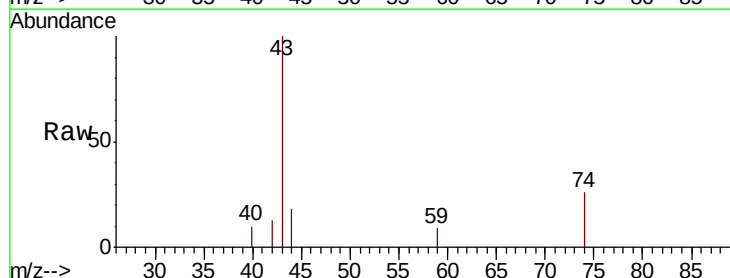
Acq: 21 Sep 2018 22:19

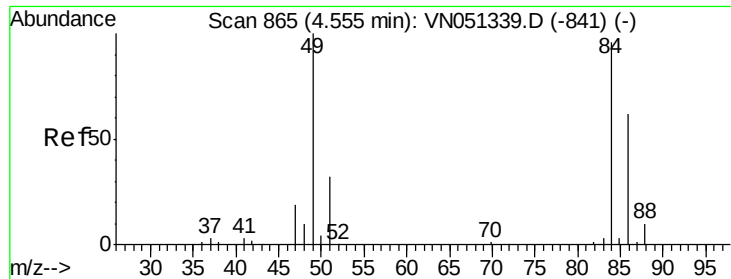
Tgt Ion: 43 Resp: 13090

Ion Ratio Lower Upper

43 100

74 26.5 21.7 32.5

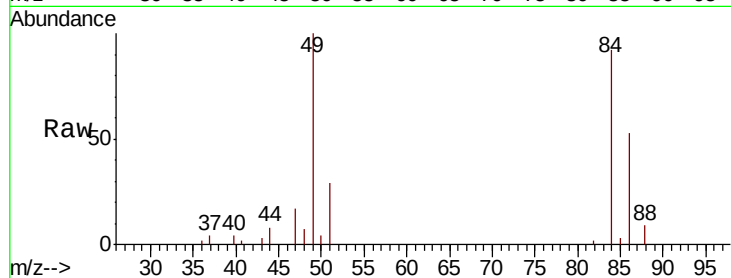




#20
Methvlene Chloride
Concen: 2.610 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051386.D
Acq: 21 Sep 2018 22:19

Tot Ion: 84 Resp: 21496

Ion	Ratio	Lower	Upper
84	100		
49	109.0	83.2	124.8
51	31.3	26.4	39.6
86	57.9	51.4	77.0



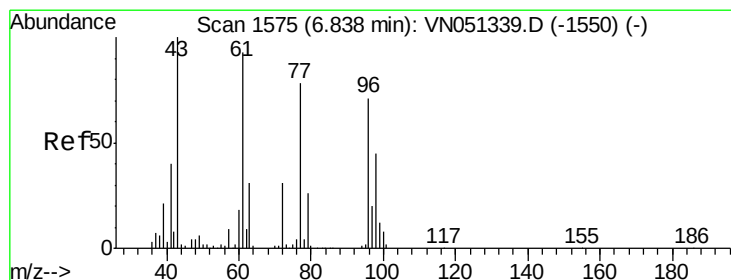
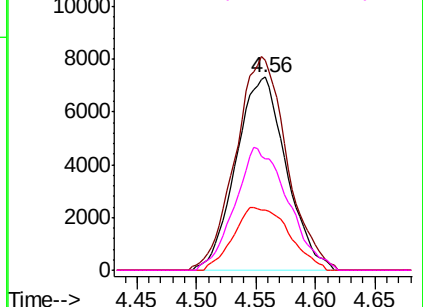
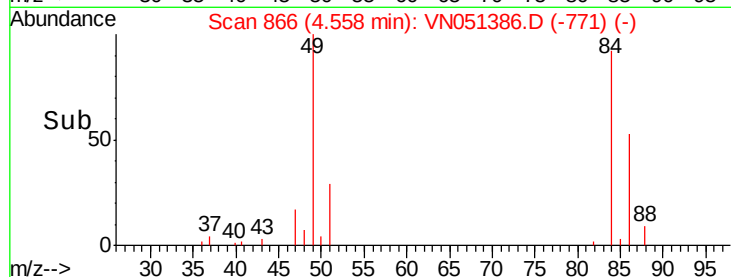
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

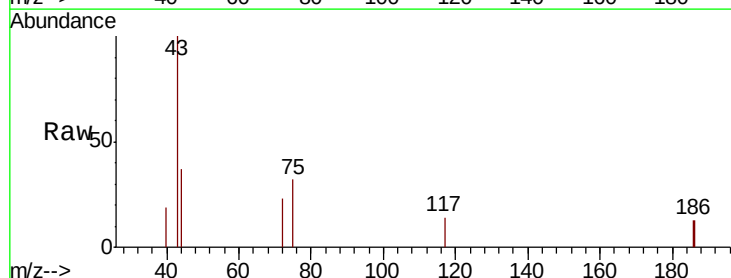
Ion 85.90 (85.60 to 86.60): VN0



#25
2-Butanone
Concen: 0.729 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051386.D
Acq: 21 Sep 2018 22:19

Tgt Ion: 43 Resp: 1668

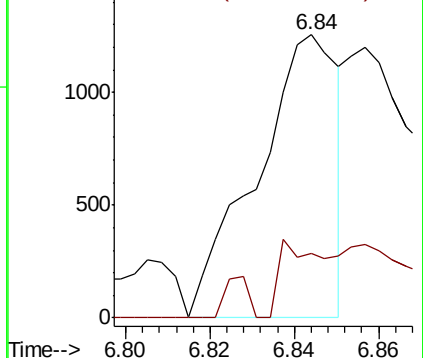
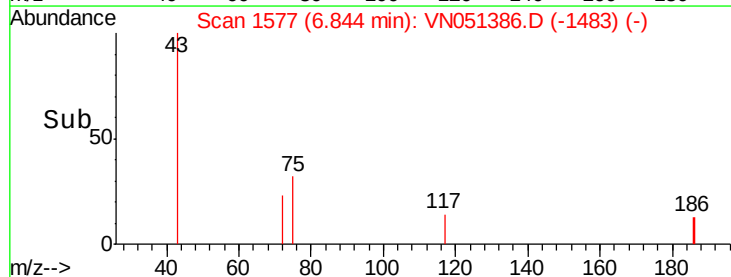
Ion	Ratio	Lower	Upper
43	100		
72	22.6	24.7	37.1#

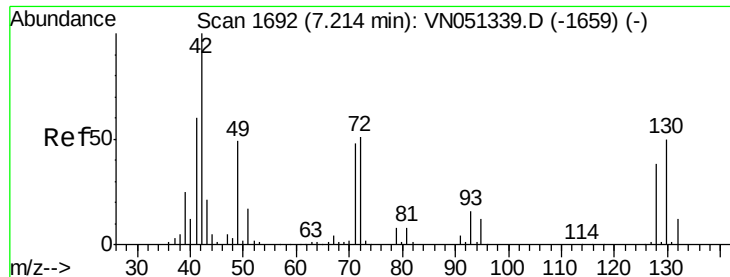


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.306 ug/l

RT: 7.23 min Scan# 1697

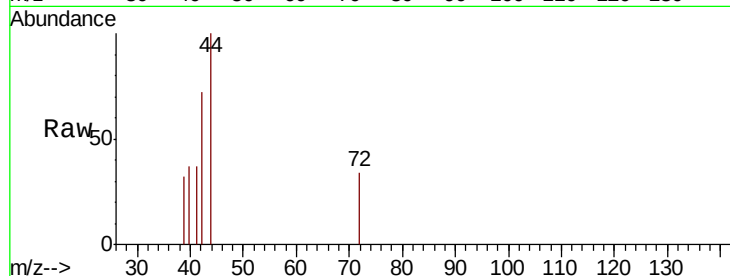
Delta R.T. 0.01 min

Lab File: VN051386.D

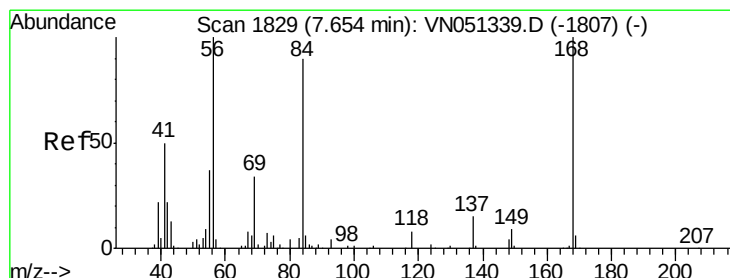
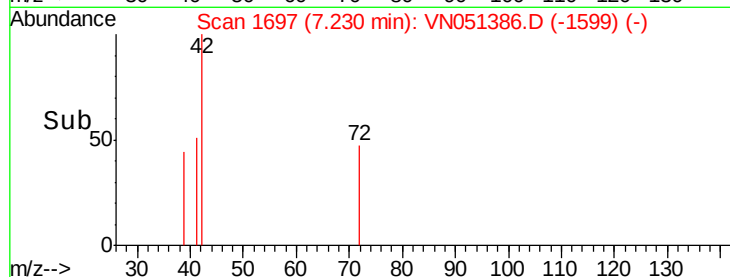
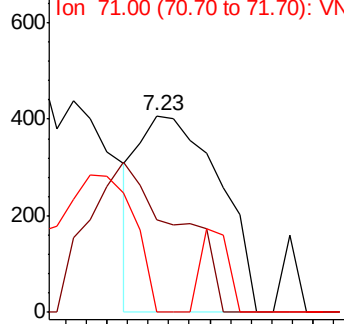
Acq: 21 Sep 2018 22:19

Tot Ion: 42 Resp: 444

Ion	Ratio	Lower	Upper
42	100		
72	83.1	39.0	58.4#
71	75.0	36.5	54.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0



#31

Cyclohexane

Concen: 0.417 ug/l

RT: 7.66 min Scan# 1832

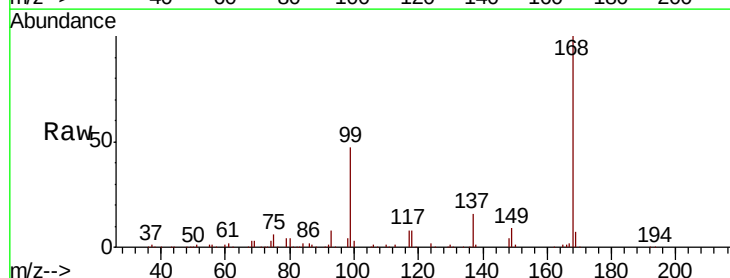
Delta R.T. 0.01 min

Lab File: VN051386.D

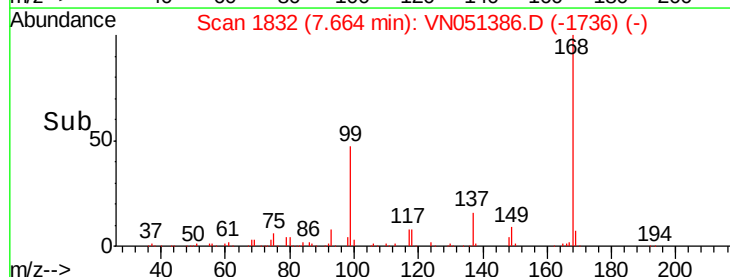
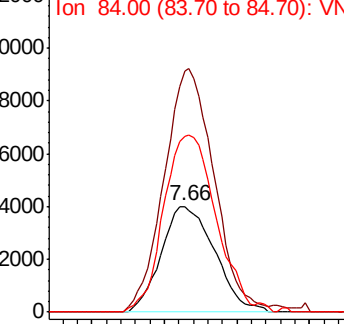
Acq: 21 Sep 2018 22:19

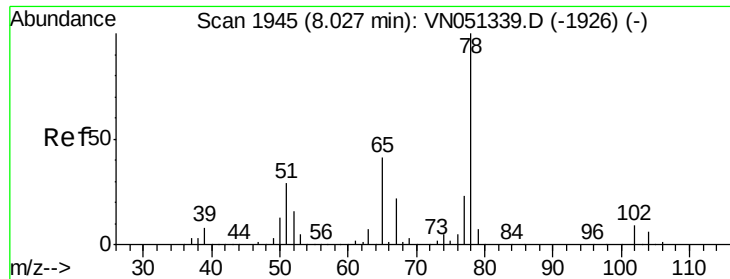
Tgt Ion: 56 Resp: 10252

Ion	Ratio	Lower	Upper
56	100		
69	228.0	27.3	40.9#
84	166.7	72.2	108.2#



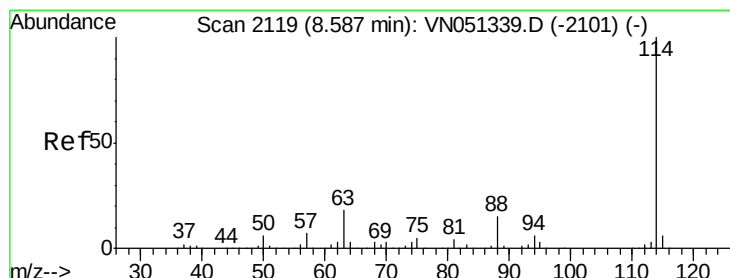
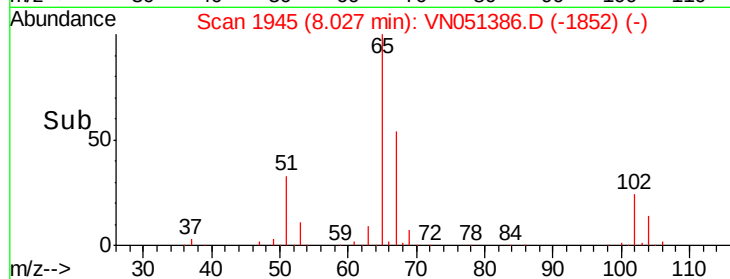
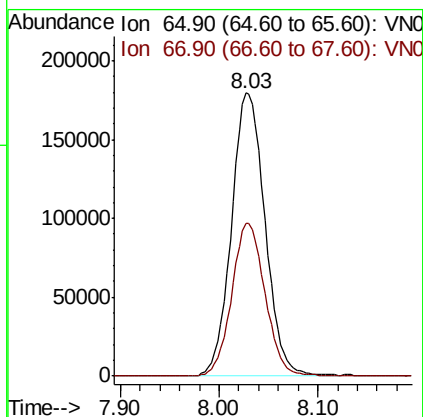
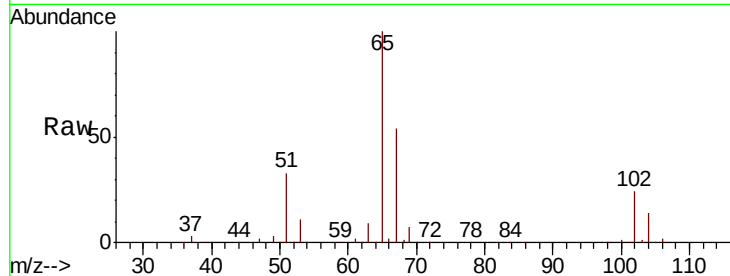
Abundance Ion 56.00 (55.70 to 56.70): VN0





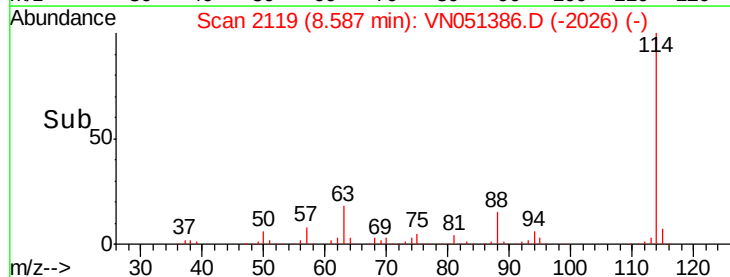
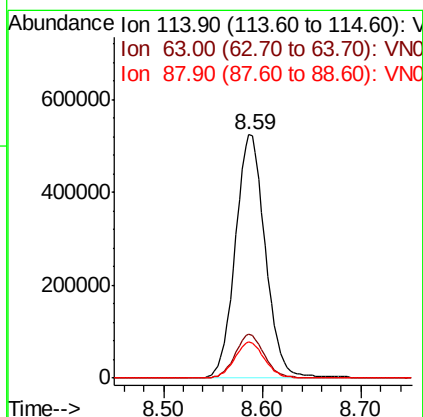
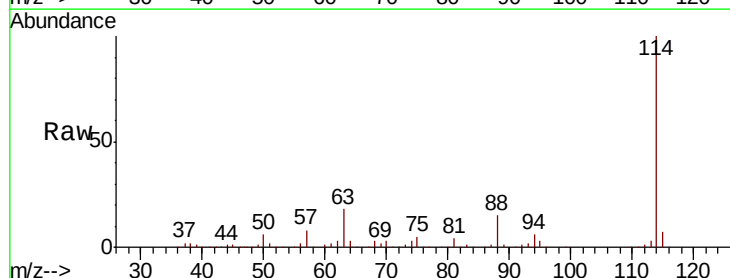
#33
 1,2-Dichloroethane-d4
 Concen: 52.999 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

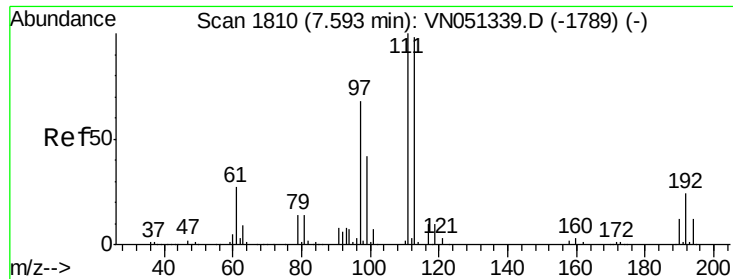
Tot Ion: 65 Resp: 424609
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

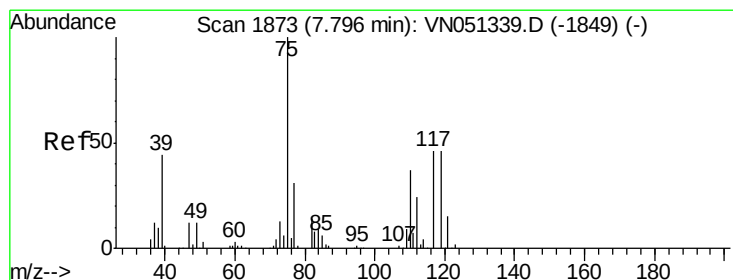
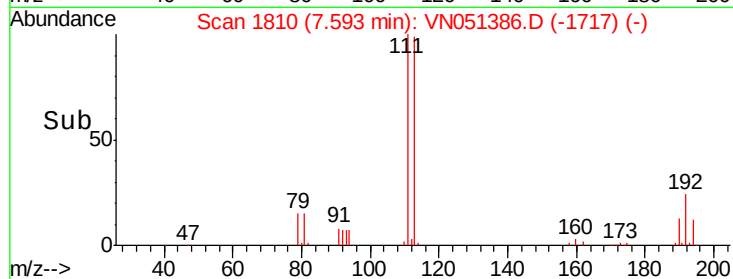
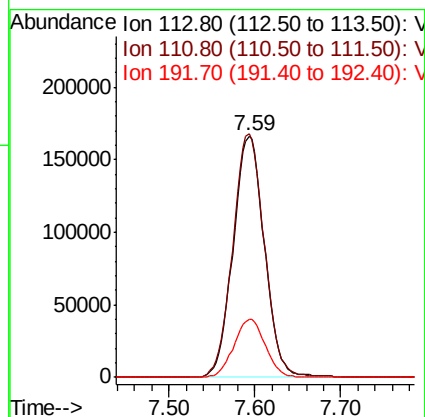
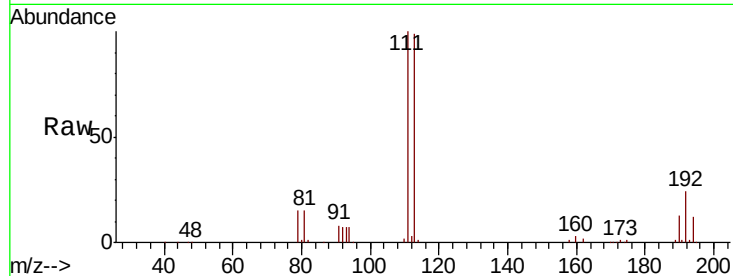
Tgt Ion: 114 Resp: 1106860
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.6
 88 15.0 0.0 29.8





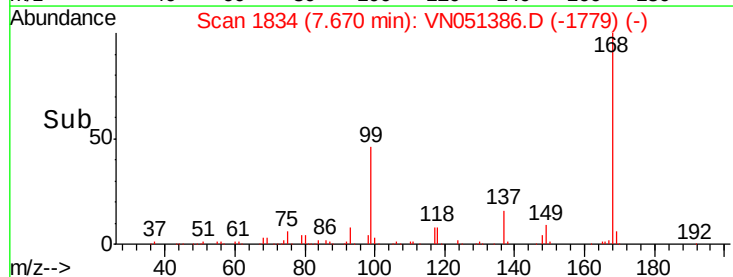
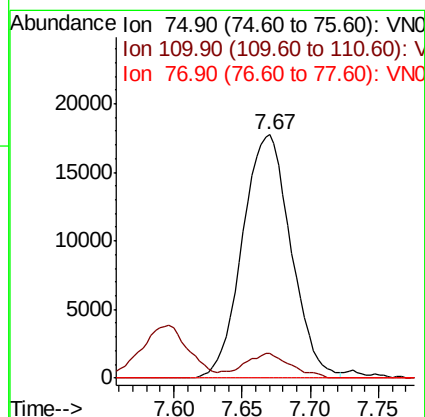
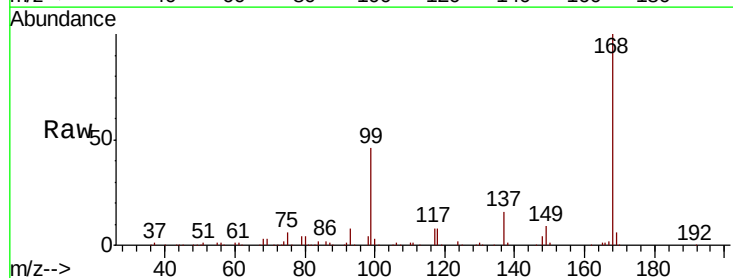
#35
 Dibromofluoromethane
 Concen: 46.976 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

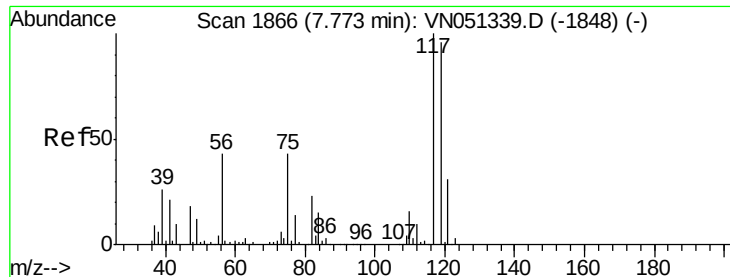
Tot Ion:	113	Resp:	420191
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.9	122.9
192	24.1	19.8	29.6



#36
 1,1-Dichloropropene
 Concen: 3.872 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

Tgt Ion:	75	Resp:	43838
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.9	56.5#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 4.918 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

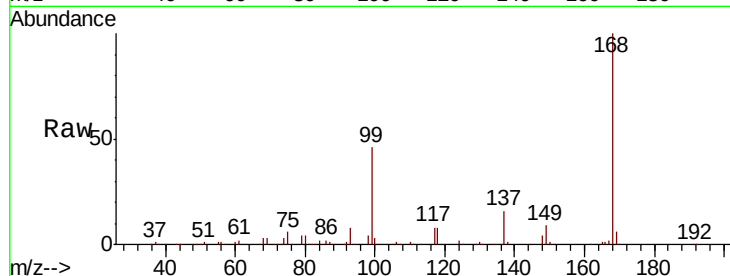
Tot Ion:117 Resp: 60240

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

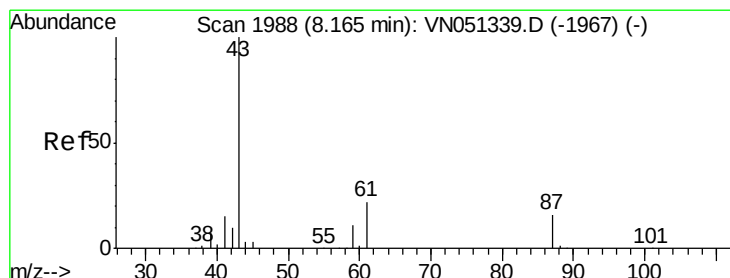
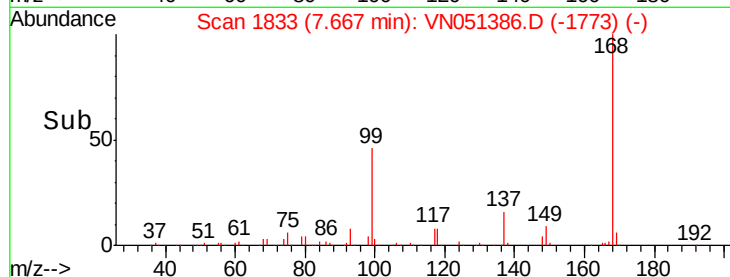
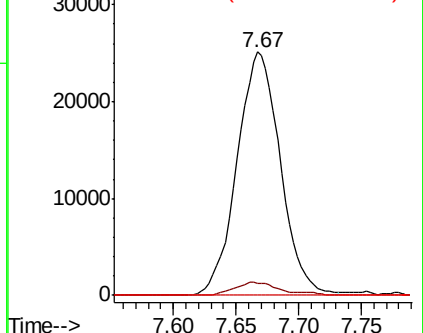
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 26.654 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

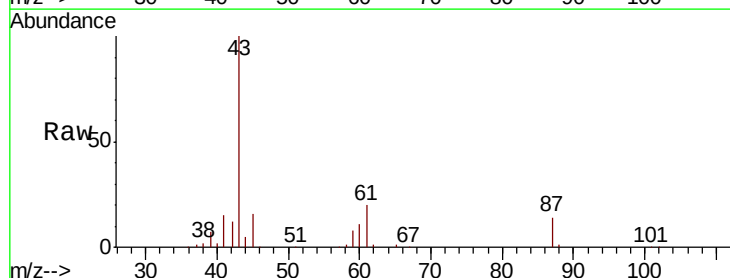
Tgt Ion: 43 Resp: 261638

Ion Ratio Lower Upper

43 100

61 17.1 18.1 27.1#

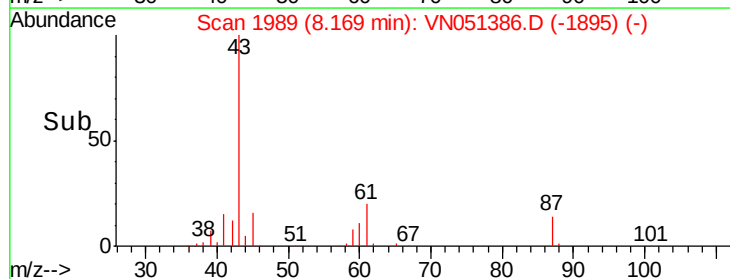
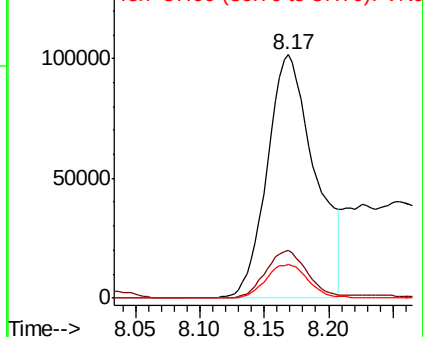
87 12.2 12.8 19.2#

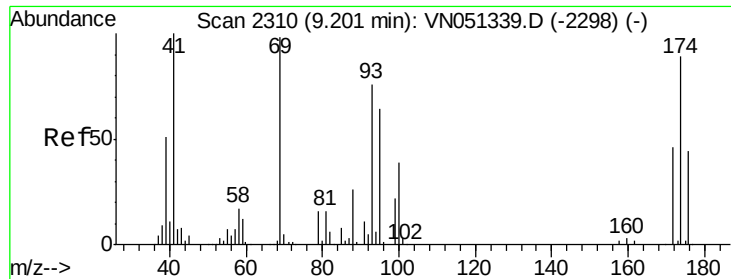


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methvl methacrylate

Concen: 1.023 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

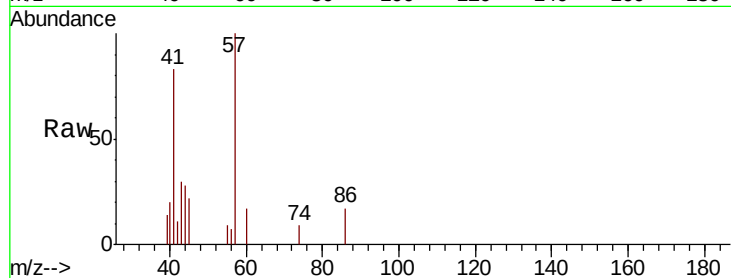
Tot Ion: 41 Resp: 5119

Ion Ratio Lower Upper

41 100

69 0.0 79.4 119.0#

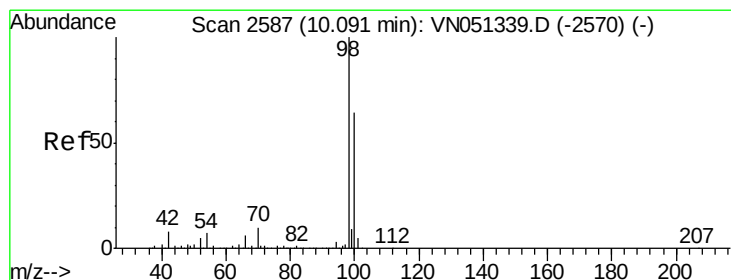
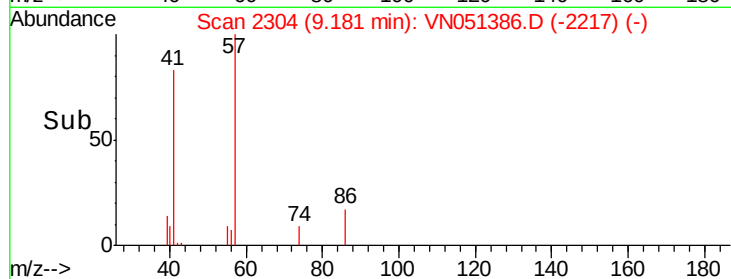
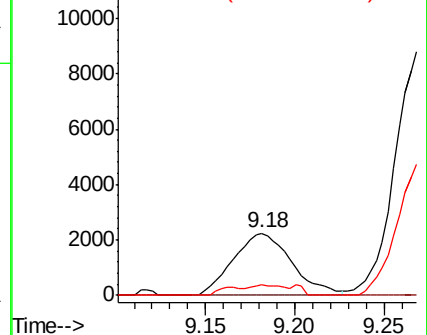
39 0.0 43.0 64.6#



Abundance Ion 41.00 (40.70 to 41.70): VN051339.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051339.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051339.D (-2298) (-)



#50

Toluene-d8

Concen: 42.621 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051386.D

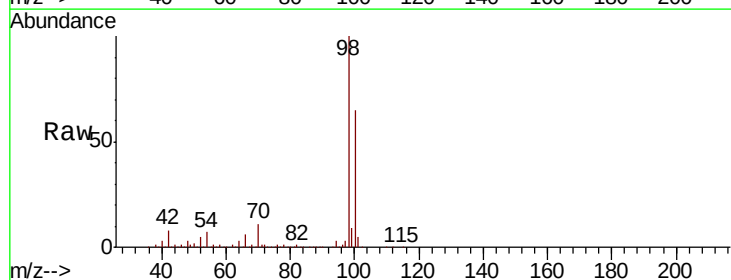
Acq: 21 Sep 2018 22:19

Tgt Ion: 98 Resp: 1465606

Ion Ratio Lower Upper

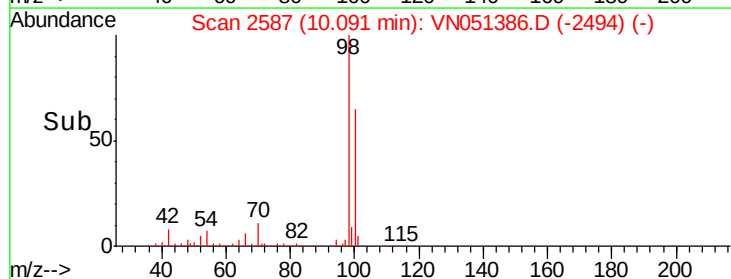
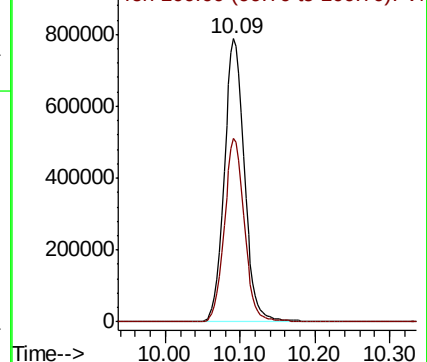
98 100

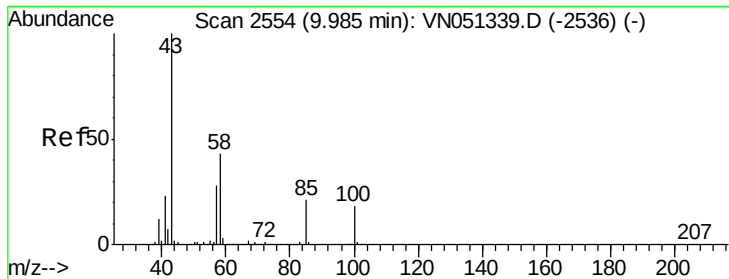
100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN051339.D (-2570) (-)

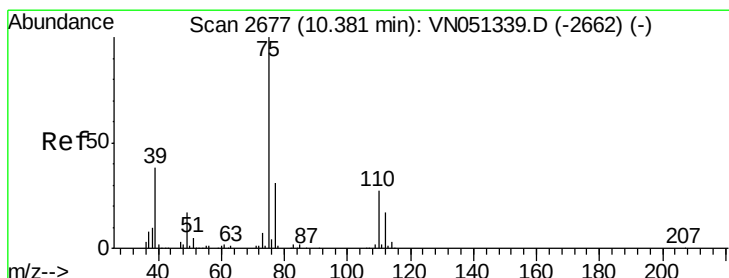
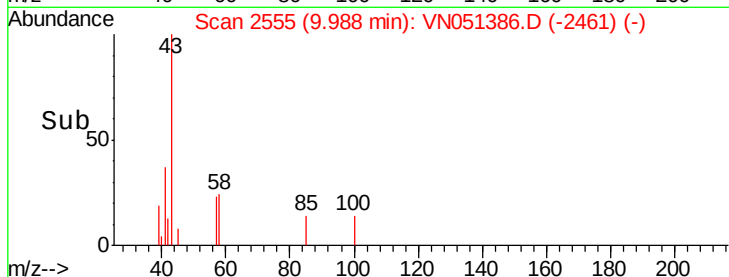
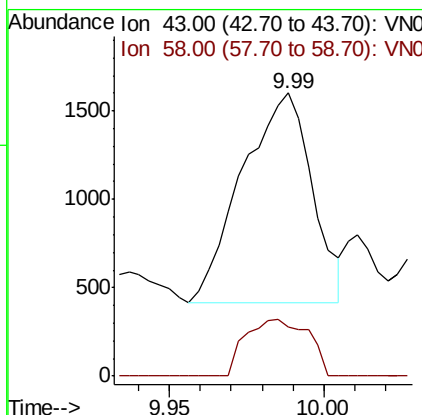
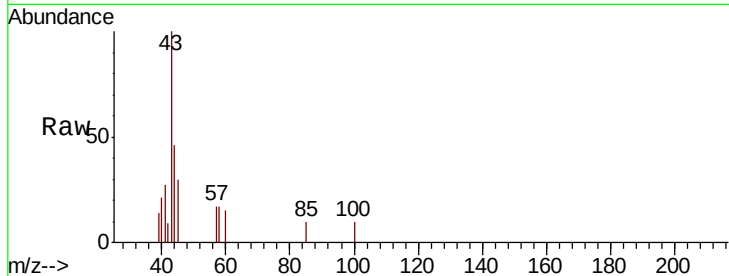
Ion 100.00 (99.70 to 100.70): VN051339.D (-2570) (-)





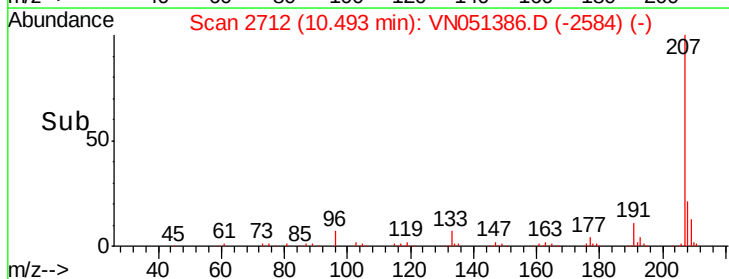
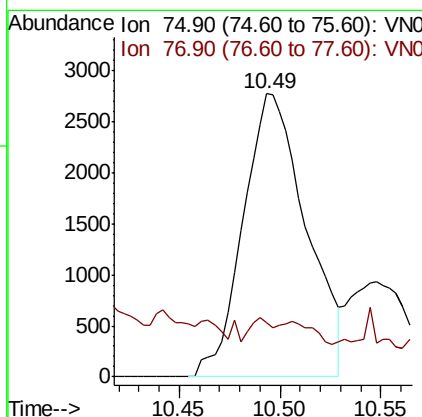
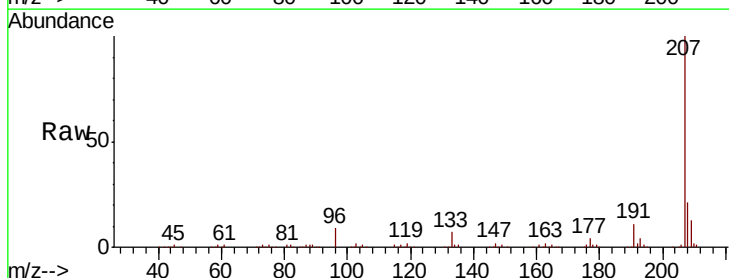
#51
 4-Methyl-2-Pentanone
 Concen: 0.352 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

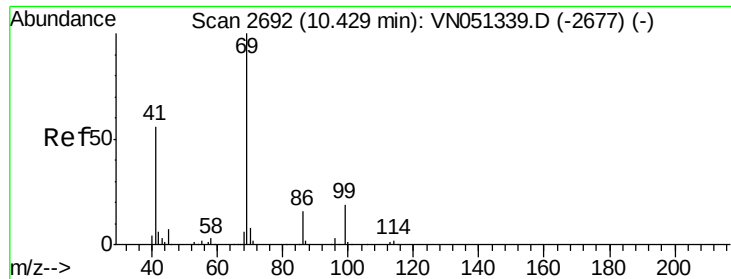
Tot Ion: 43 Resp: 1857
 Ion Ratio Lower Upper
 43 100
 58 24.3 34.2 51.4#



#53
 t-1,3-Dichloropropene
 Concen: 0.546 ug/l
 RT: 10.49 min Scan# 2712
 Delta R.T. 0.11 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

Tgt Ion: 75 Resp: 6018
 Ion Ratio Lower Upper
 75 100
 77 7.1 25.5 38.3#





#56

Ethyl methacrylate

Concen: 1.584 ug/l

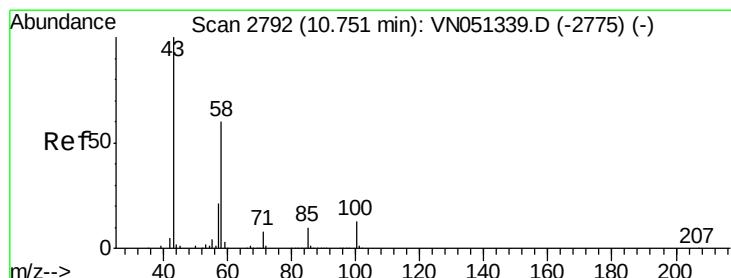
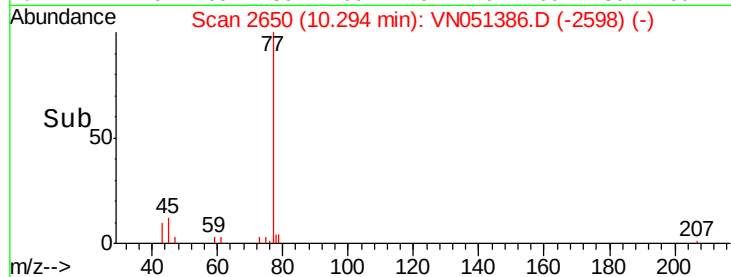
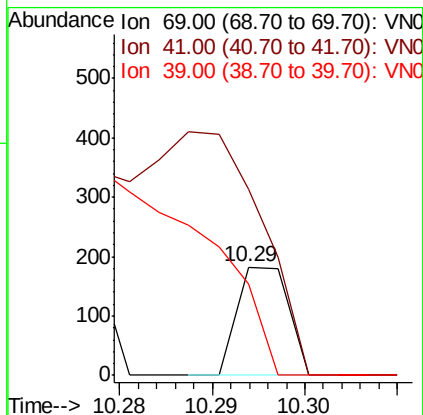
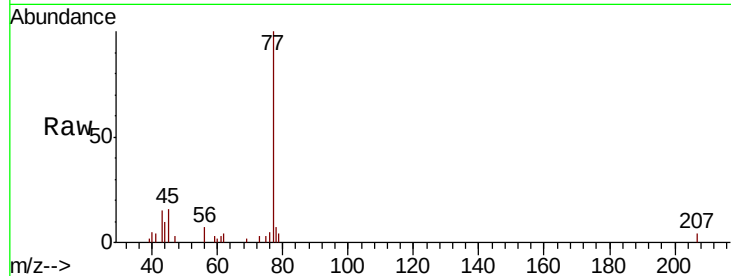
RT: 10.29 min Scan# 2650

Delta R.T. -0.13 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

Tot Ion:	69	Resp:	70
Ion	Ratio	Lower	Upper
69	100		
41	0.0	45.1	67.7#
39	0.0	23.4	35.2#



#59

2-Hexanone

Concen: 4.066 ug/l

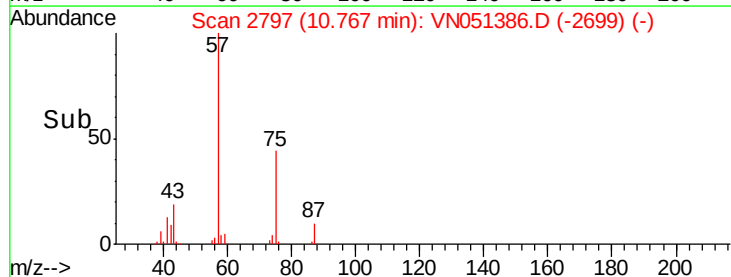
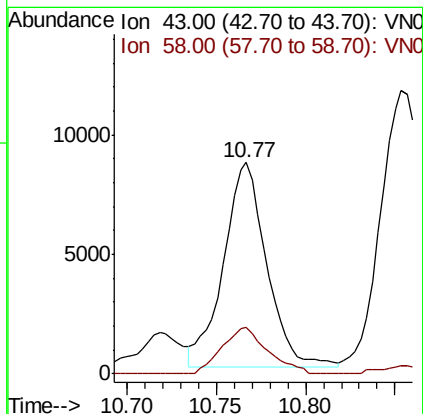
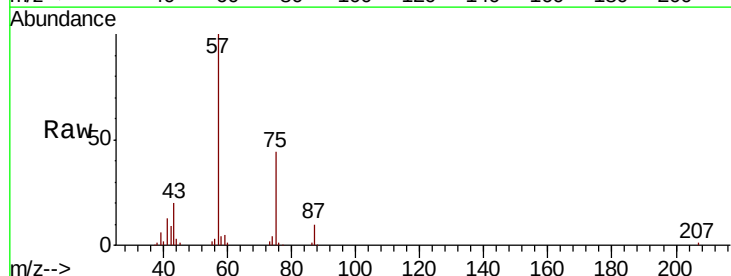
RT: 10.77 min Scan# 2797

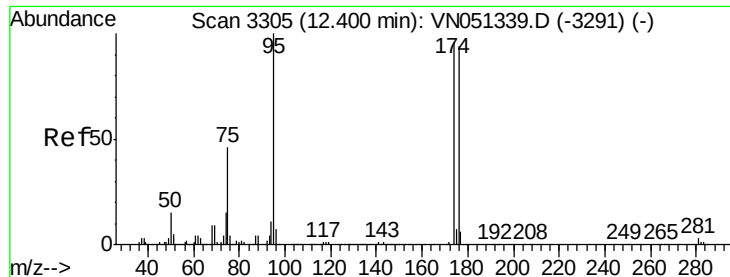
Delta R.T. 0.02 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

Tgt Ion:	43	Resp:	14474
Ion	Ratio	Lower	Upper
43	100		
58	23.9	29.9	89.8#





#62

4-Bromofluorobenzene

Concen: 35.949 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

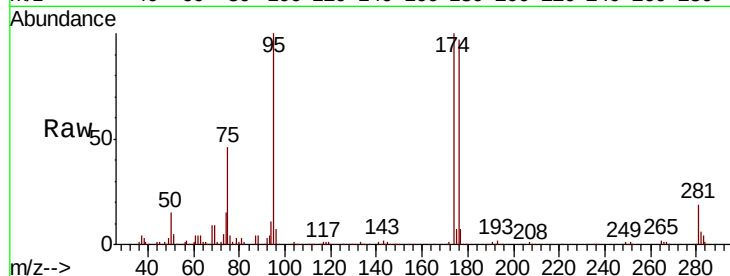
Tot Ion: 95 Resp: 402163

Ion Ratio Lower Upper

95 100

174 98.6 0.0 194.6

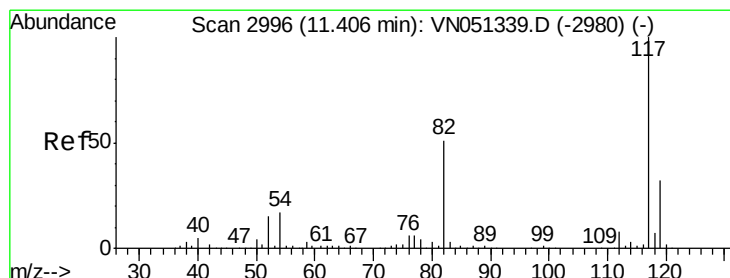
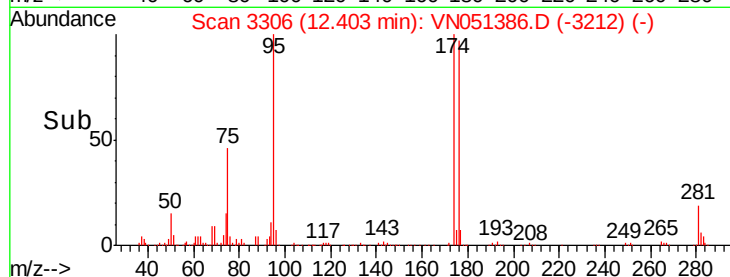
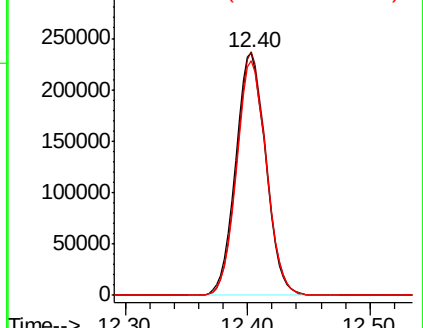
176 95.3 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

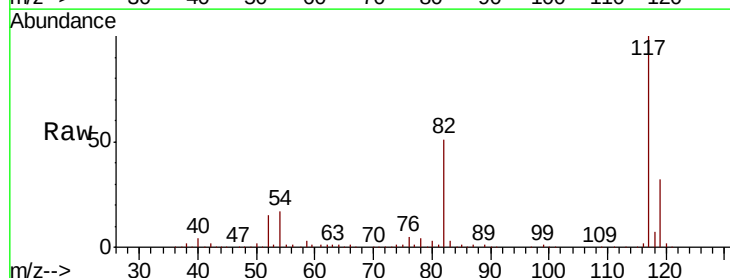
Tgt Ion: 117 Resp: 924750

Ion Ratio Lower Upper

117 100

82 51.3 40.7 61.1

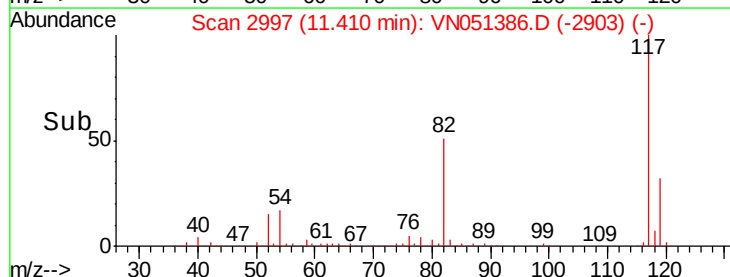
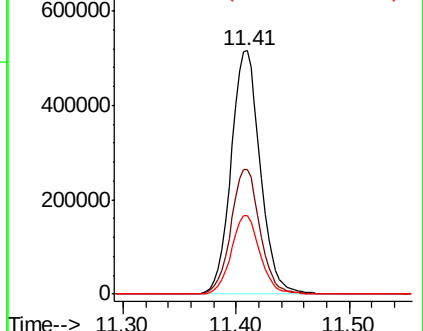
119 32.1 25.3 37.9

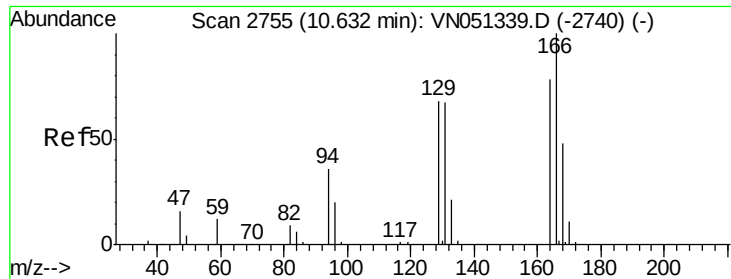


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 0.204 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.14 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

Tot Ion:164 Resp: 1644

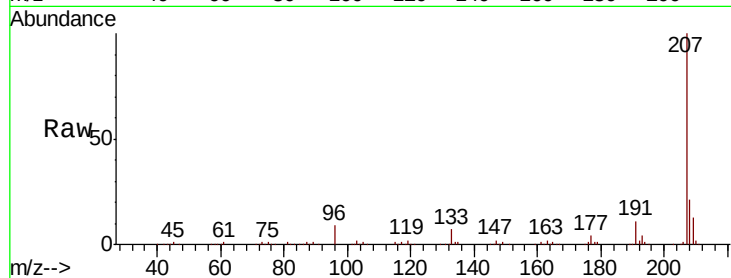
Ion Ratio Lower Upper

164 100

166 25.9 102.1 153.1#

129 20.9 69.4 104.2#

131 60.8 68.8 103.2#



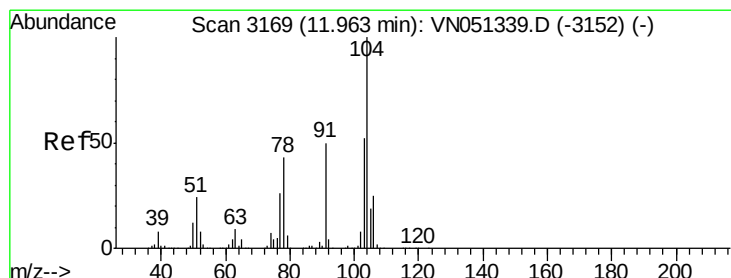
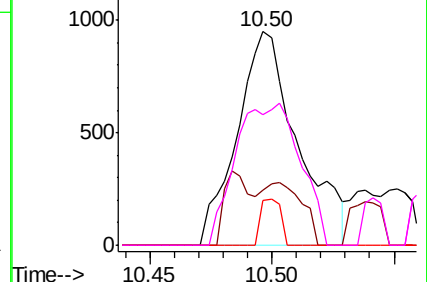
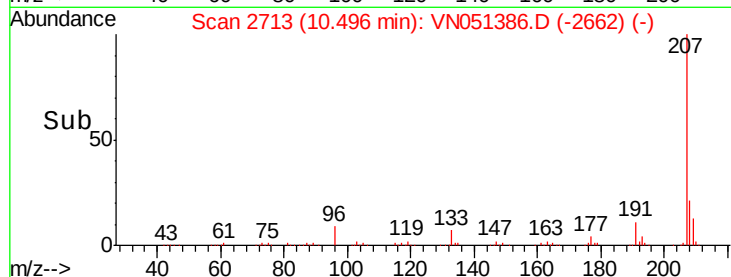
Abundance

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



#70

Styrene

Concen: 0.903 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

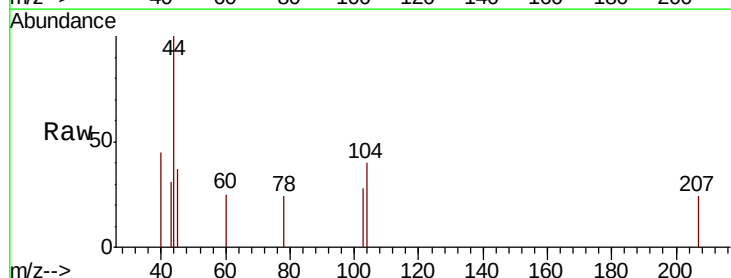
Tgt Ion:104 Resp: 212

Ion Ratio Lower Upper

104 100

78 31.6 37.8 56.6#

103 47.6 44.3 66.5

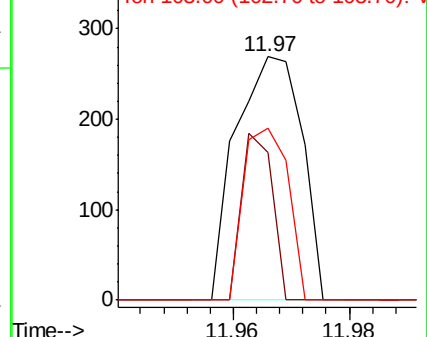
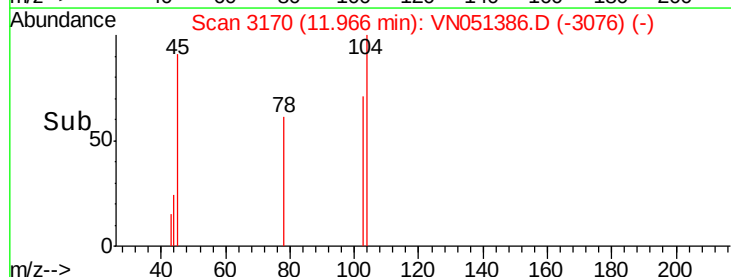


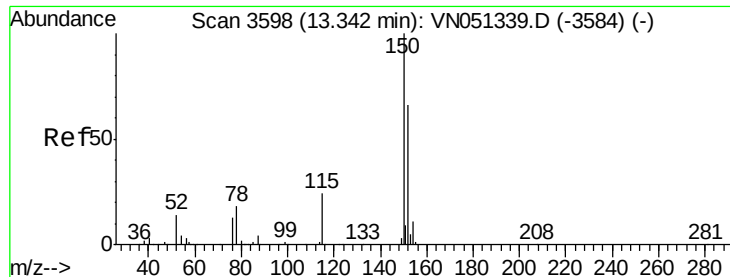
Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VN051386.D

Acq: 21 Sep 2018 22:19

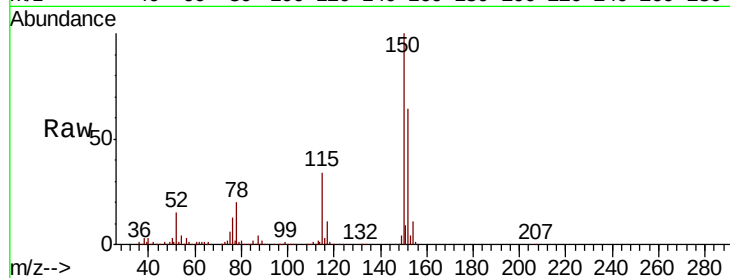
Tot Ion:152 Resp: 353954

Ion Ratio Lower Upper

152 100

115 53.7 26.9 80.7

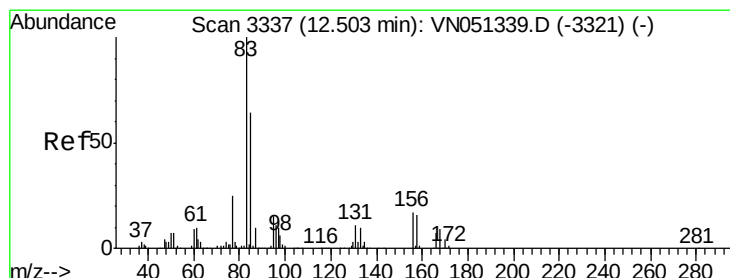
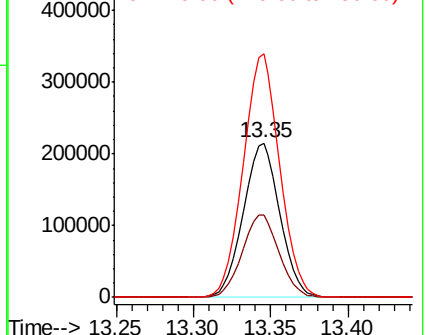
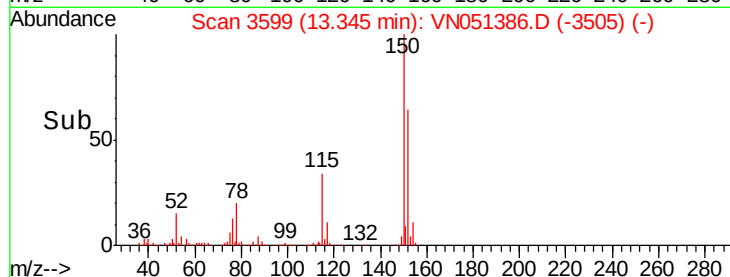
150 157.2 0.0 345.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

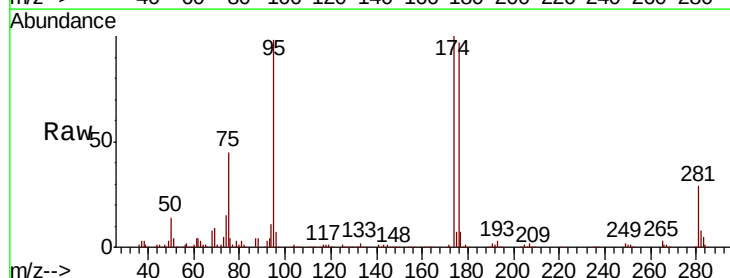
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

131 1158.6 5.5 16.7#

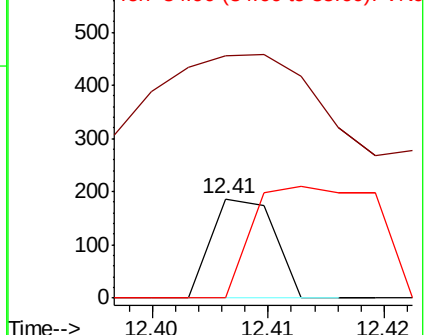
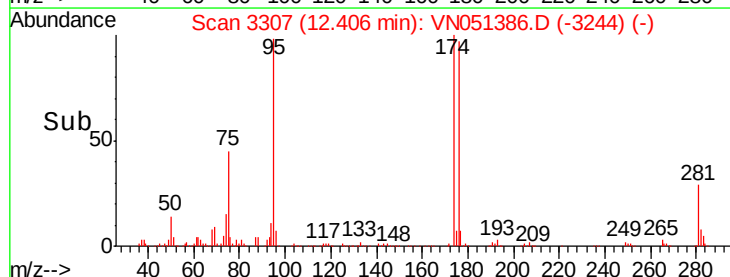
85 221.4 32.3 96.9#

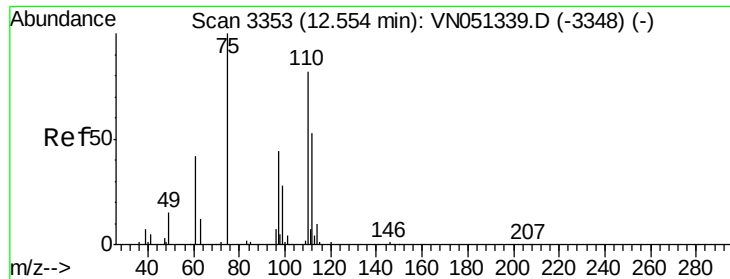


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

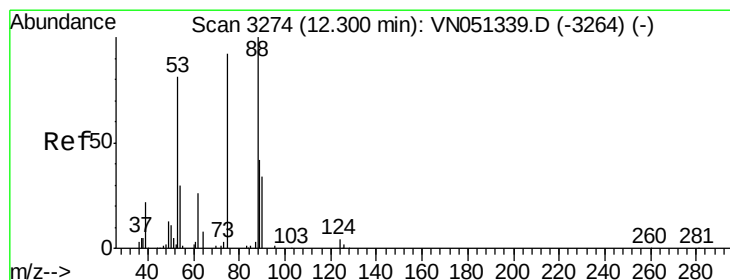
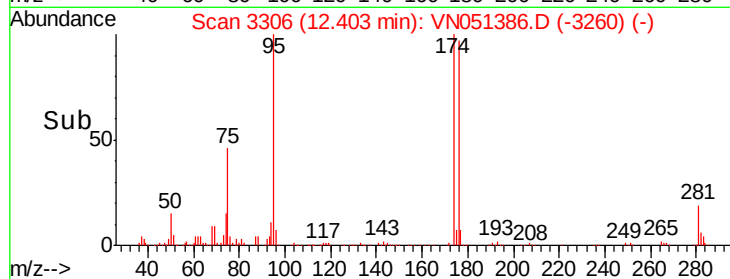
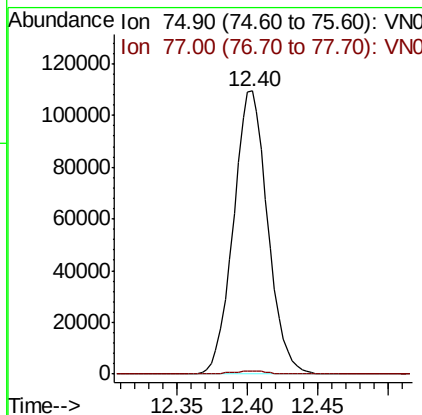
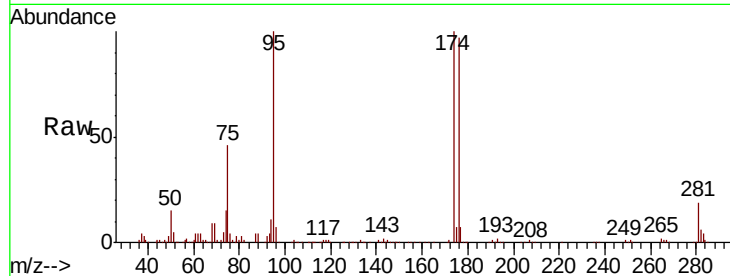




#76

1,2,3-Trichloropropane
Concen: 39.142 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN051386.D
Acq: 21 Sep 2018 22:19

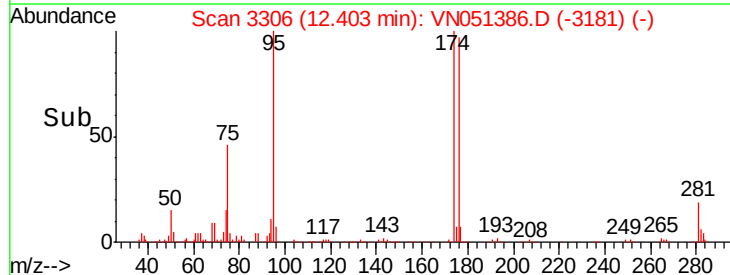
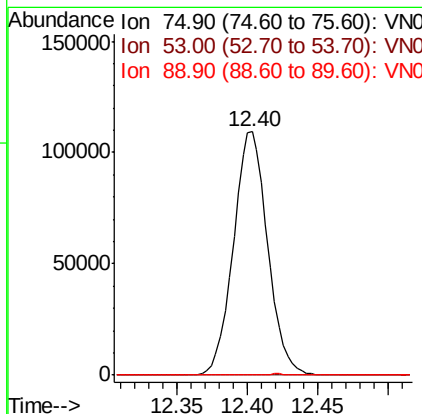
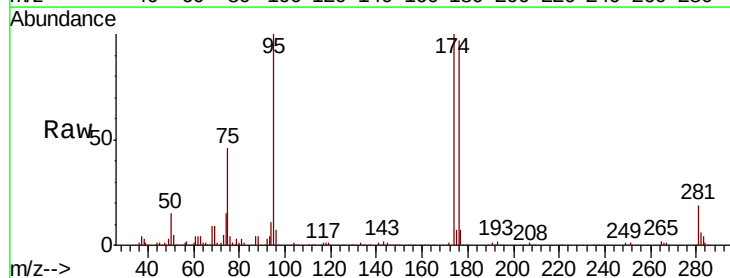
Tot Ion: 75 Resp: 185570
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

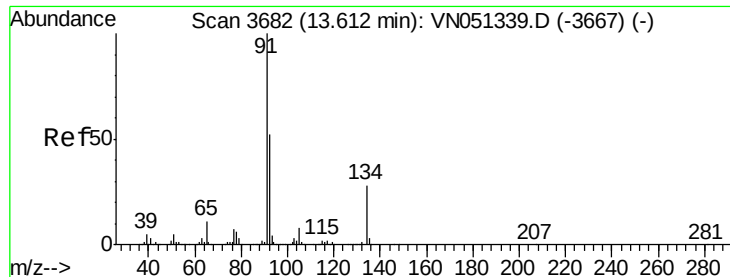


#81

trans-1,4-Dichloro-2-butene
Concen: 117.543 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051386.D
Acq: 21 Sep 2018 22:19

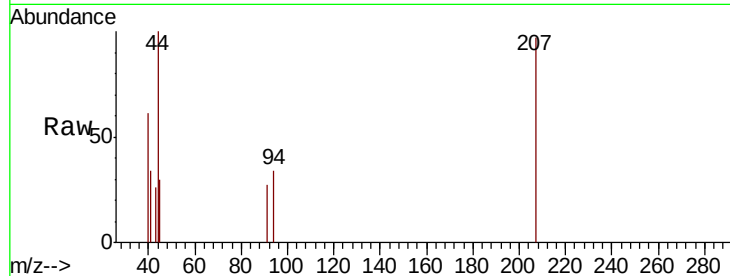
Tgt Ion: 75 Resp: 185570
Ion Ratio Lower Upper
75 100
53 0.2 69.9 104.9#
89 0.0 37.9 56.9#





#89
 n-Butylbenzene
 Concen: 1.430 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.01 min
 Lab File: VN051386.D
 Acq: 21 Sep 2018 22:19

Tot Ion:	91	Resp:	31
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.0	78.0#
134	0.0	14.1	42.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 92.00 (91.70 to 92.70): VN0
 Ion 134.00 (133.70 to 134.70): V

