

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092218\
 Data File : VN051377.D
 Acq On : 21 Sep 2018 18:38
 Operator : MD\SY
 Sample : PB113086ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

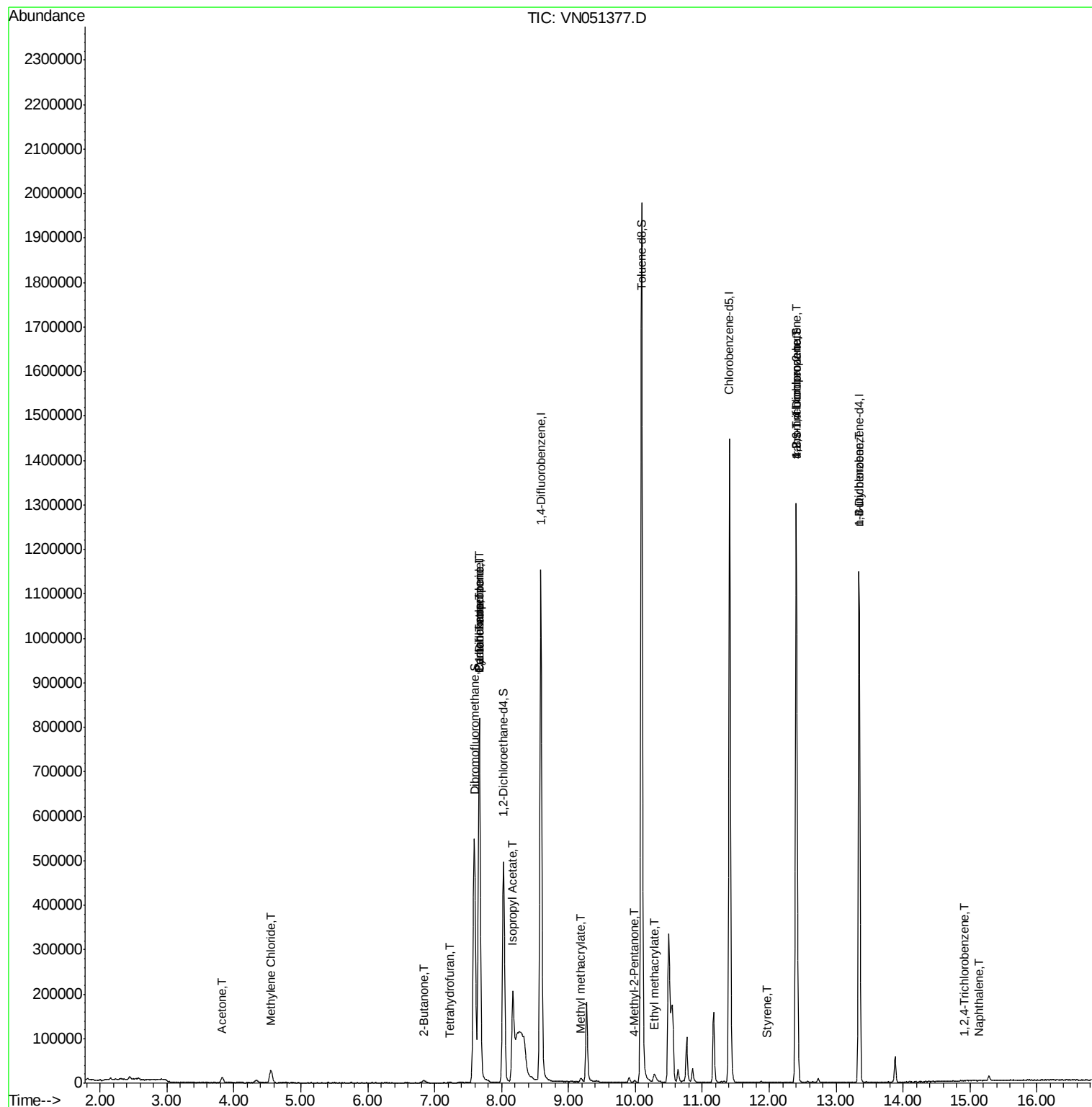
Quant Time: Sep 21 23:03:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:23:57 2018
 Response via : Initial Calibration

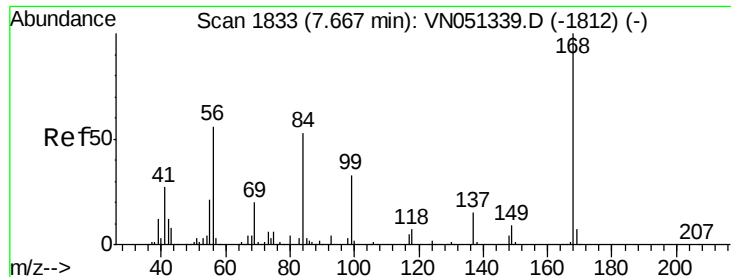
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	759424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1120896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	947268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	356907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424491	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	426035	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
50) Toluene-d8	10.09	98	1490369	42.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.60%	
62) 4-Bromofluorobenzene	12.40	95	412602	36.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.84%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	1127	Below Cal		96
16) Acetone	3.82	43	19637	10.777 ug/l		95
20) Methylene Chloride	4.55	84	22515	2.661 ug/l		97
25) 2-Butanone	6.84	43	2355	1.001 ug/l #		78
29) Tetrahydrofuran	7.21	42	1001	0.672 ug/l #		32
31) Cyclohexane	7.66	56	11002	0.457 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	45410	3.961 ug/l #		48
38) Carbon Tetrachloride	7.67	117	61508	4.959 ug/l #		16
43) Isopropyl Acetate	8.17	43	256148	25.768 ug/l #		91
48) Methyl methacrylate	9.18	41	5139	1.014 ug/l #		15
51) 4-Methyl-2-Pentanone	9.99	43	2239	0.419 ug/l		92
56) Ethyl methacrylate	10.27	69	202	1.597 ug/l #		1
70) Styrene	11.97	104	360	0.909 ug/l #		82
75) 1,1,2,2-Tetrachloroethane	12.40	83	69	Below Cal #		1
76) 1,2,3-Trichloropropane	12.40	75	189777	39.725 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	189777	119.214 ug/l #		14
89) n-Butylbenzene	13.35	91	729	1.466 ug/l #		41
93) 1,2,4-Trichlorobenzene	14.92	180	66	4.107 ug/l #		12
95) Naphthalene	15.13	128	210	5.346 ug/l #		69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051377.D

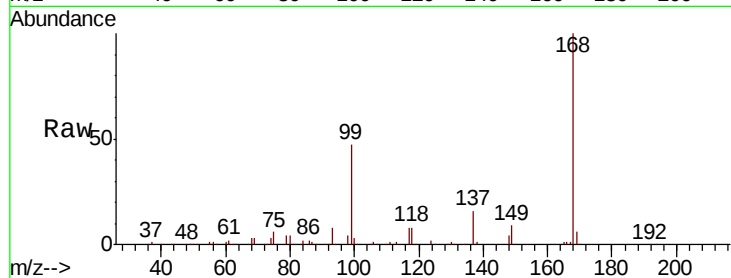
Acq: 21 Sep 2018 18:38

Tot Ion:168 Resp: 759424

Ion Ratio Lower Upper

168 100

99 47.0 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

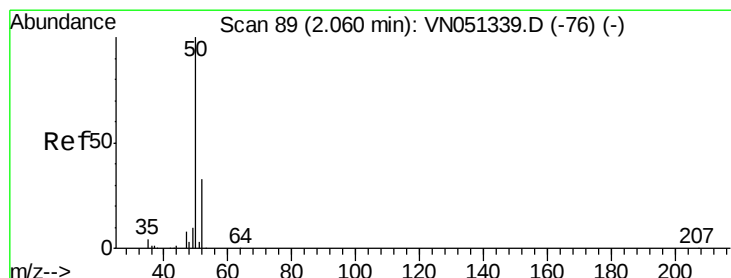
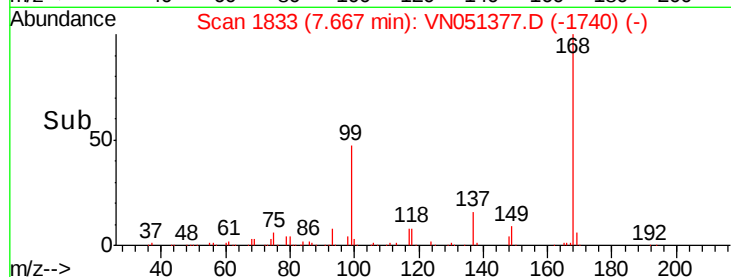
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051377.D

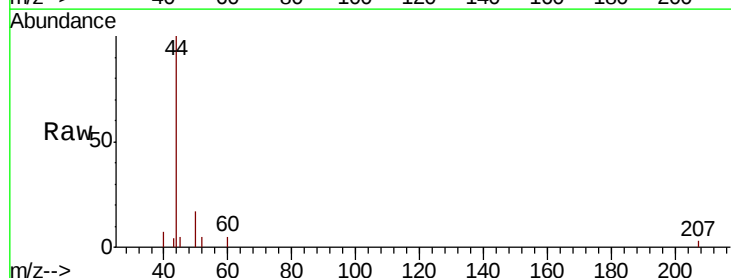
Acq: 21 Sep 2018 18:38

Tgt Ion: 50 Resp: 1127

Ion Ratio Lower Upper

50 100

52 31.2 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

2.06

1000

800

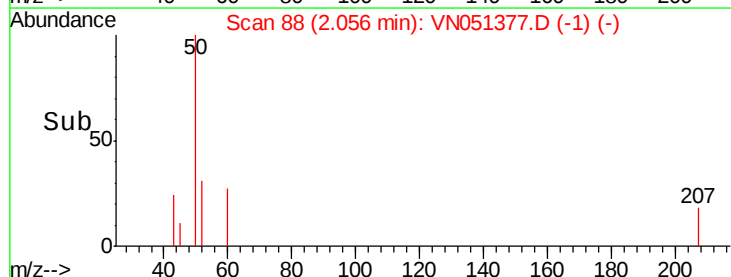
600

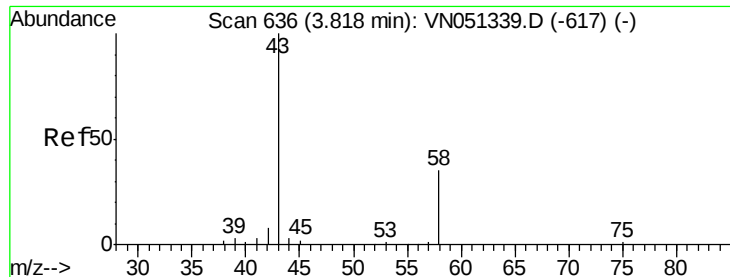
400

200

0

Time--> 2.02 2.04 2.06 2.08





#16

Acetone

Concen: 10.777 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051377.D

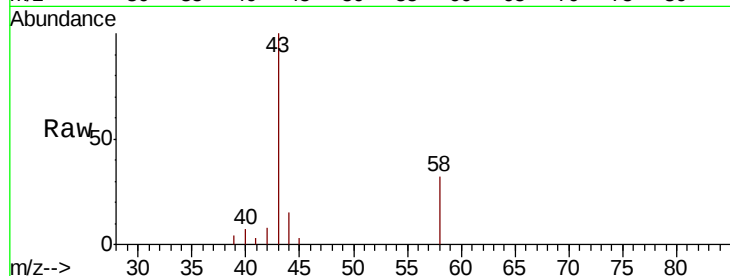
Acq: 21 Sep 2018 18:38

Tot Ion: 43 Resp: 19637

Ion Ratio Lower Upper

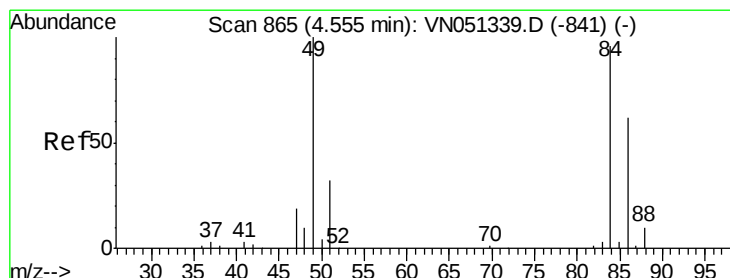
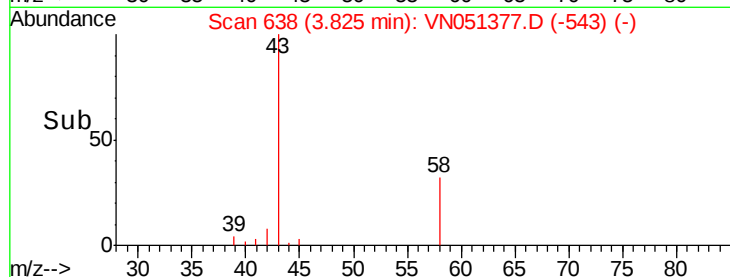
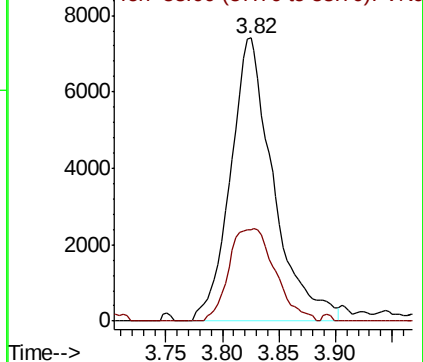
43 100

58 32.5 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 2.661 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051377.D

Acq: 21 Sep 2018 18:38

Tgt Ion: 84 Resp: 22515

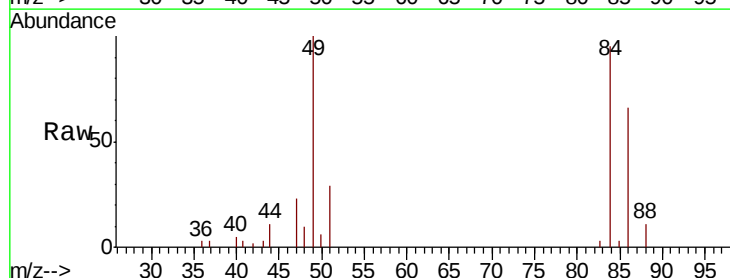
Ion Ratio Lower Upper

84 100

49 105.1 83.2 124.8

51 30.7 26.4 39.6

86 69.4 51.4 77.0

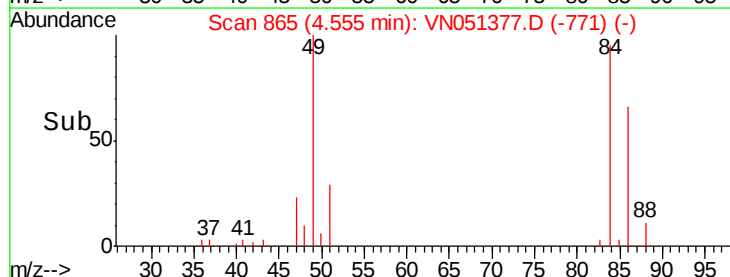
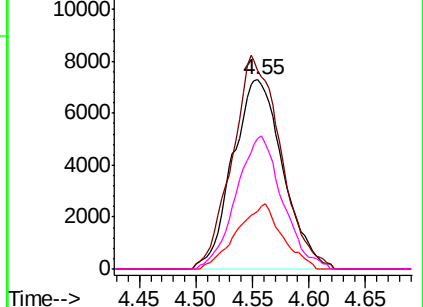


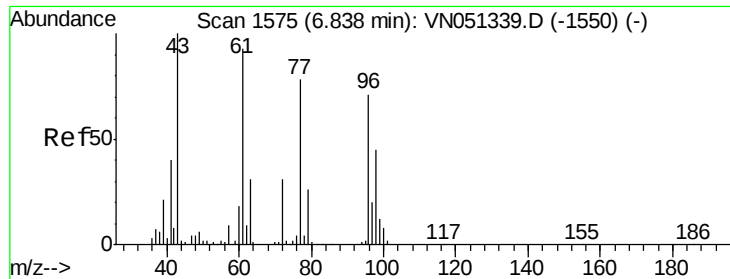
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

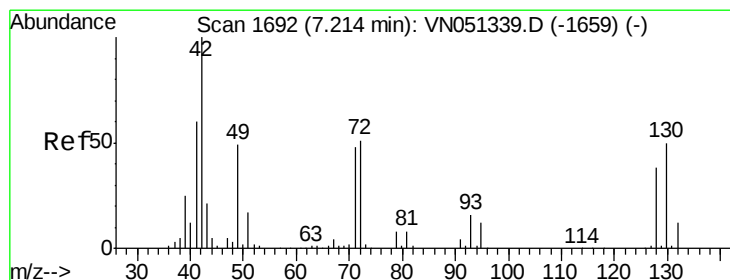
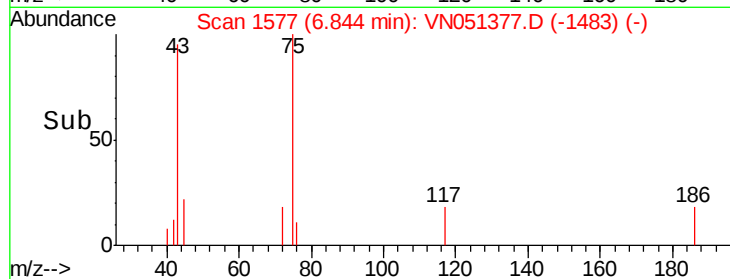
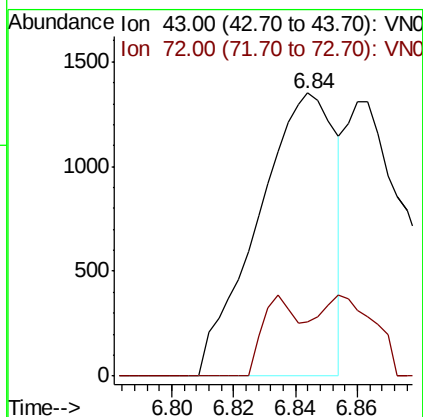
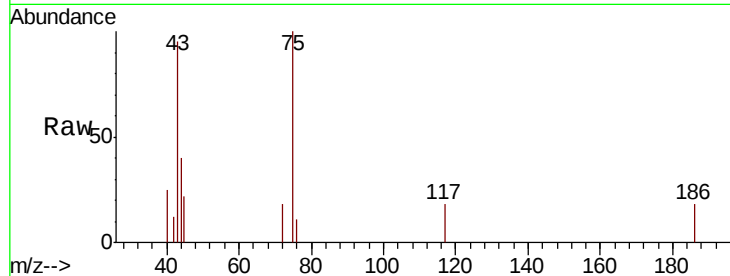
Ion 85.90 (85.60 to 86.60): VN0





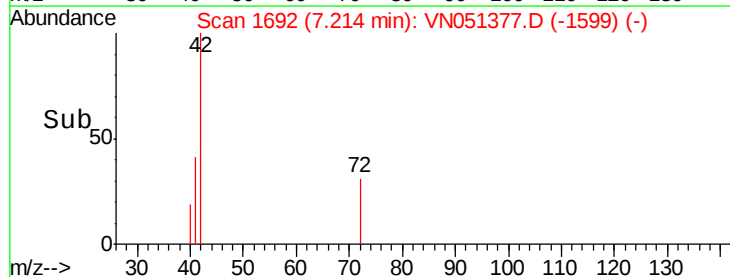
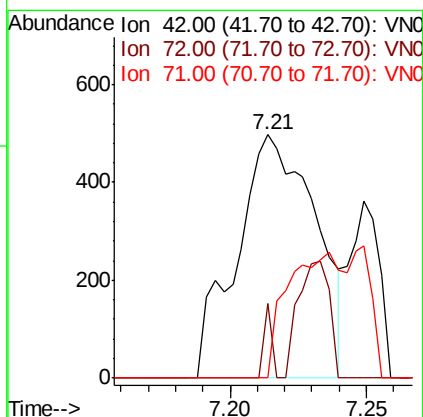
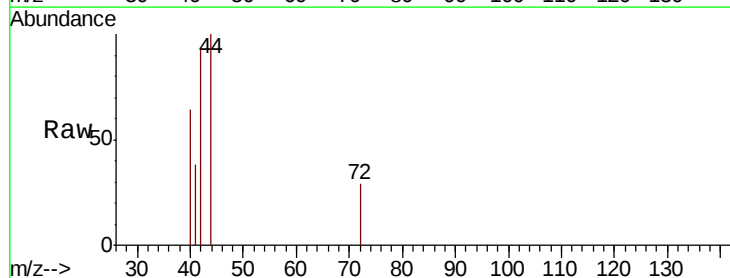
#25
2-Butanone
Concen: 1.001 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

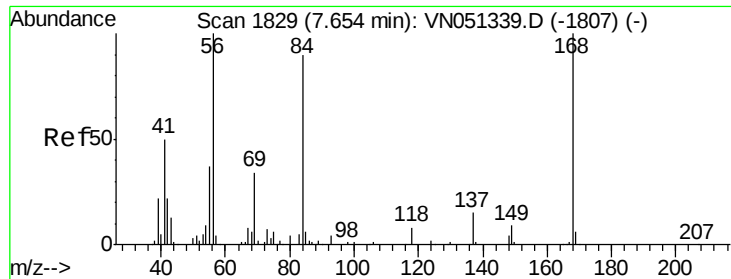
Tot Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
72 19.0 24.7 37.1#



#29
Tetrahydrofuran
Concen: 0.672 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

Tgt Ion: 42 Resp: 1001
Ion Ratio Lower Upper
42 100
72 2.9 39.0 58.4#
71 0.0 36.5 54.7#





#31

Cvclohexane

Concen: 0.457 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051377.D

Acq: 21 Sep 2018 18:38

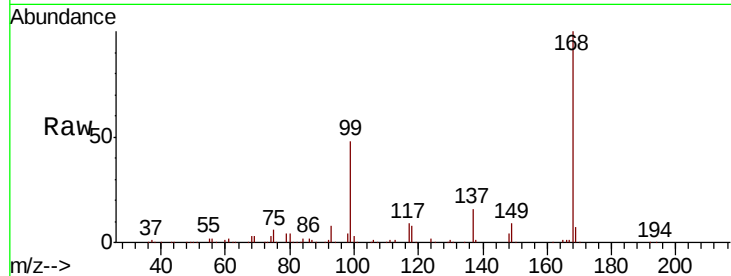
Tot Ion: 56 Resp: 11002

Ion Ratio Lower Upper

56 100

69 209.2 27.3 40.9#

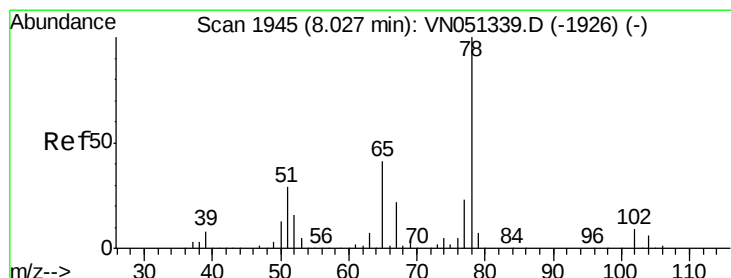
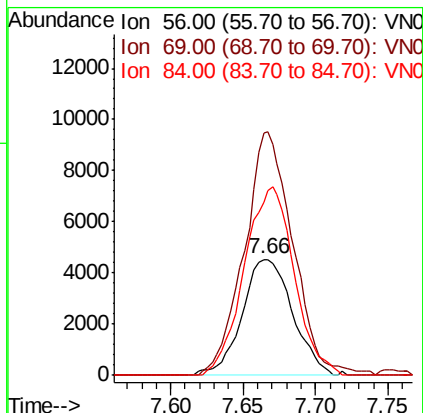
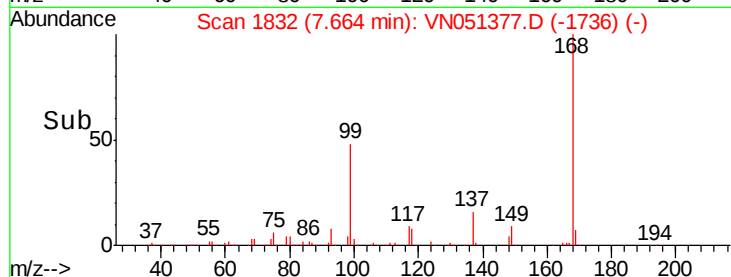
84 149.4 72.2 108.2#



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: 51.572 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051377.D

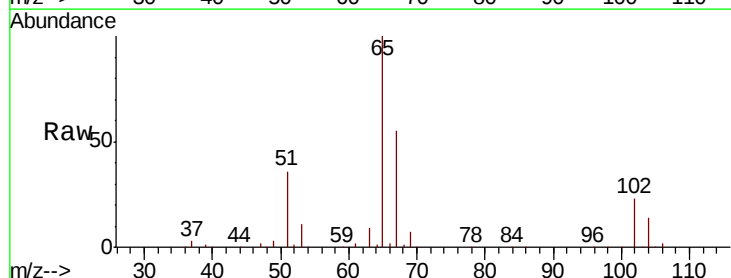
Acq: 21 Sep 2018 18:38

Tgt Ion: 65 Resp: 424491

Ion Ratio Lower Upper

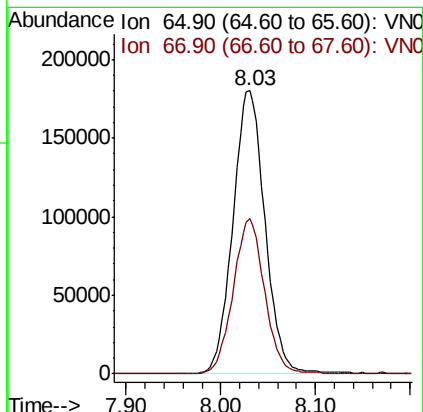
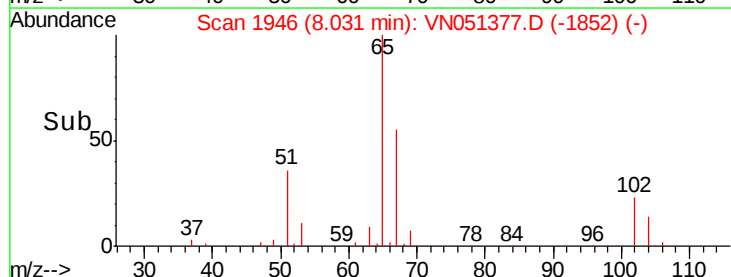
65 100

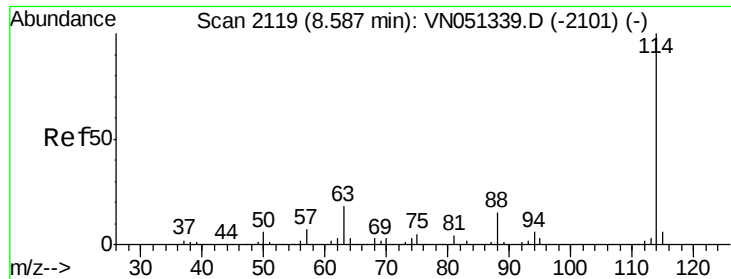
67 53.8 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

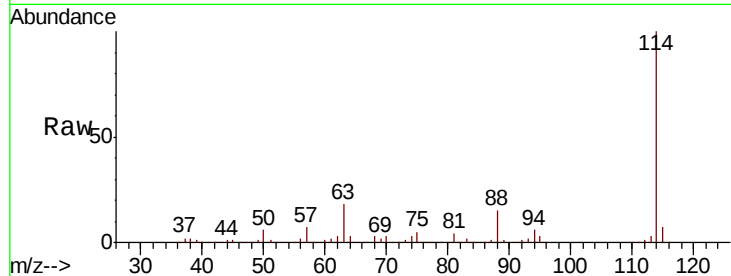




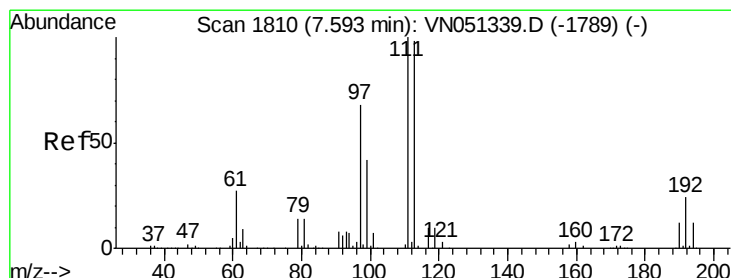
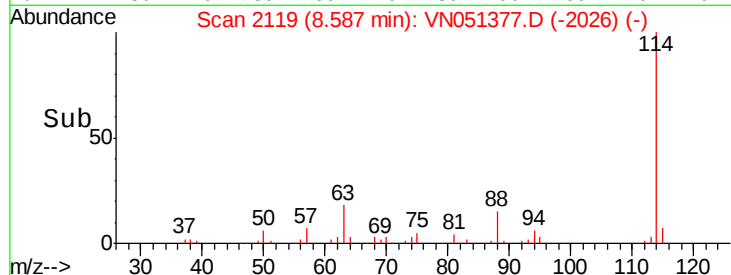
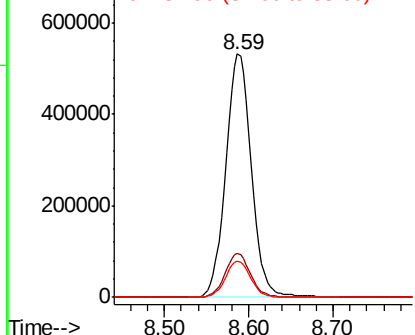
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

Tot Ion:114 Resp: 1120896

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.6
88	15.0	0.0	29.8



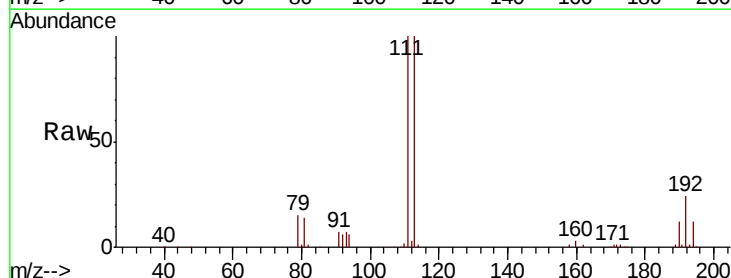
Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN



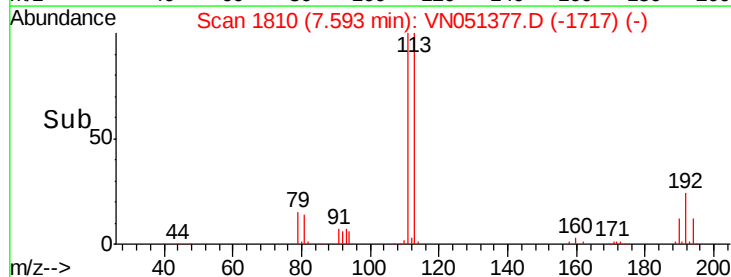
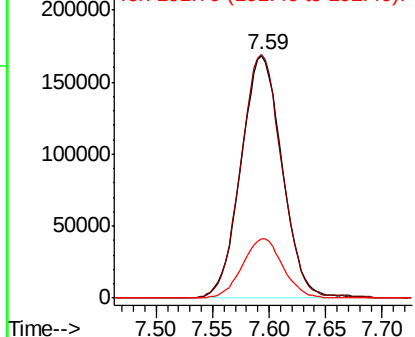
#35
Dibromofluoromethane
Concen: 47.032 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

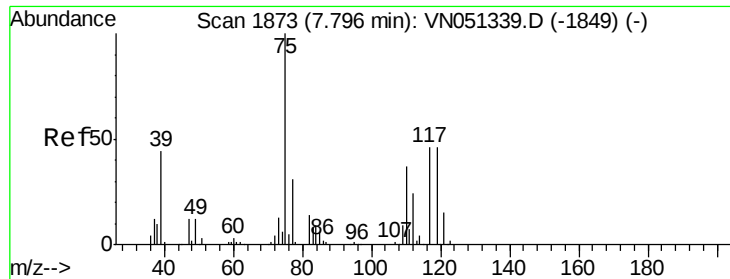
Tgt Ion:113 Resp: 426035

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	24.2	19.8	29.6



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: 3.961 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051377.D

Acq: 21 Sep 2018 18:38

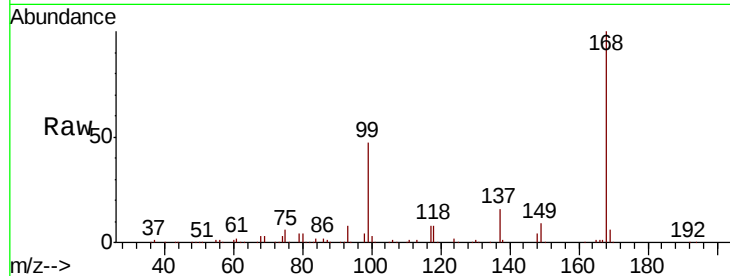
Tot Ion: 75 Resp: 45410

Ion Ratio Lower Upper

75 100

110 8.7 18.9 56.5#

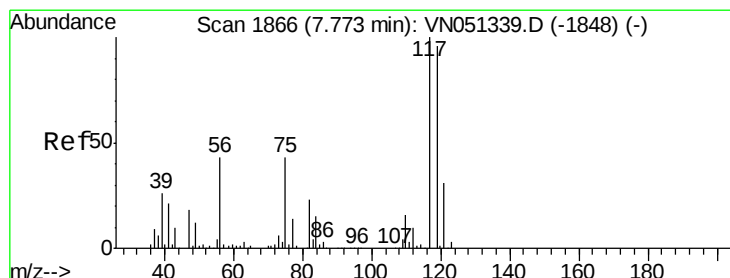
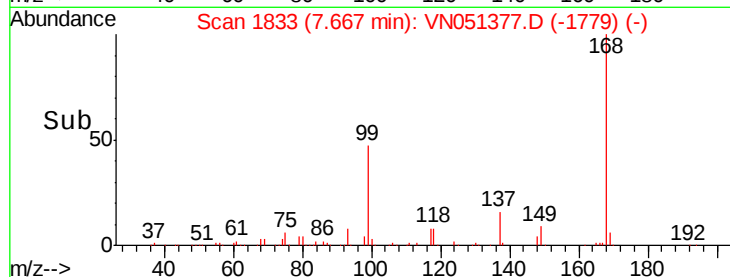
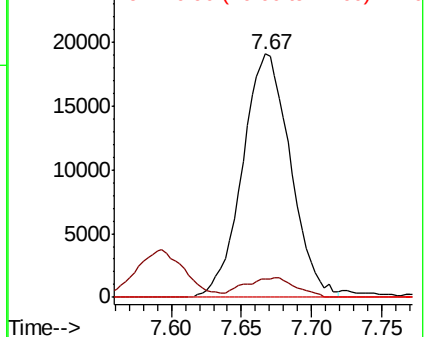
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN051339.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN051339.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 4.959 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051377.D

Acq: 21 Sep 2018 18:38

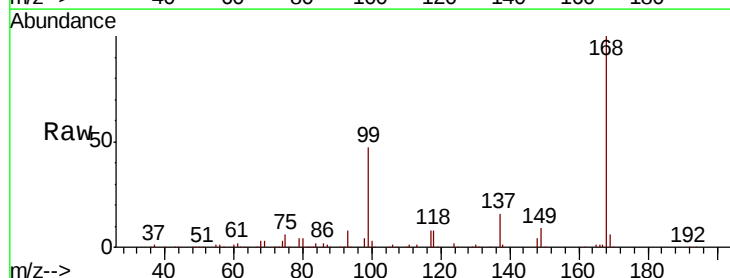
Tgt Ion: 117 Resp: 61508

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.4#

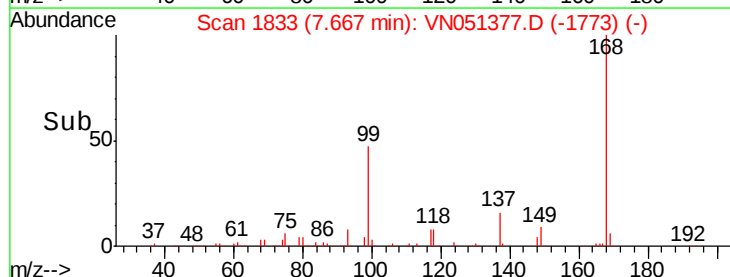
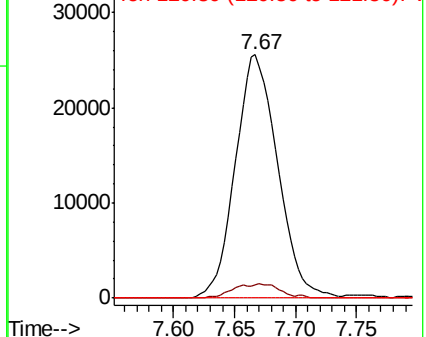
121 0.0 25.0 37.4#

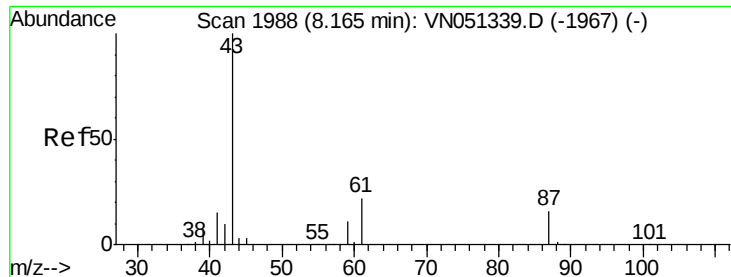


Abundance Ion 116.80 (116.50 to 117.50): VN051339.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051339.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051339.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 25.768 ug/l

RT: 8.17 min Scan# 1989

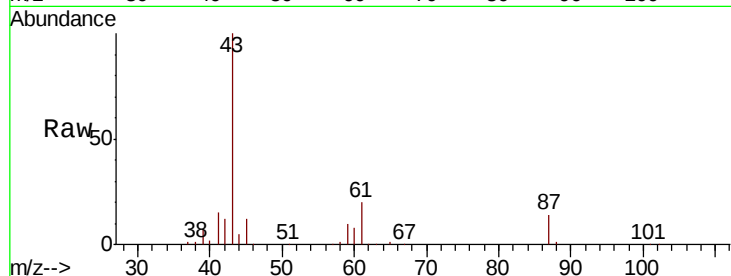
Delta R.T. 0.00 min

Lab File: VN051377.D

Acq: 21 Sep 2018 18:38

Tot Ion: 43 Resp: 256148

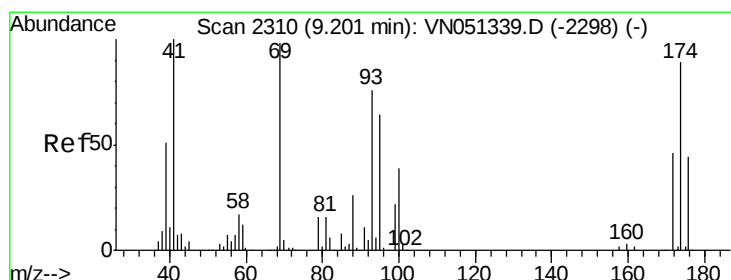
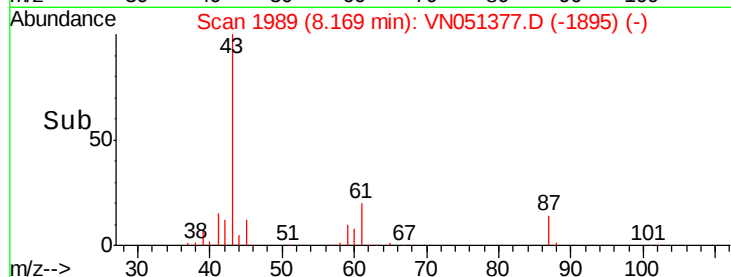
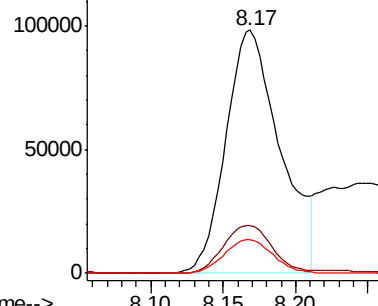
Ion	Ratio	Lower	Upper
43	100		
61	17.9	18.1	27.1#
87	12.5	12.8	19.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.014 ug/l

RT: 9.18 min Scan# 2304

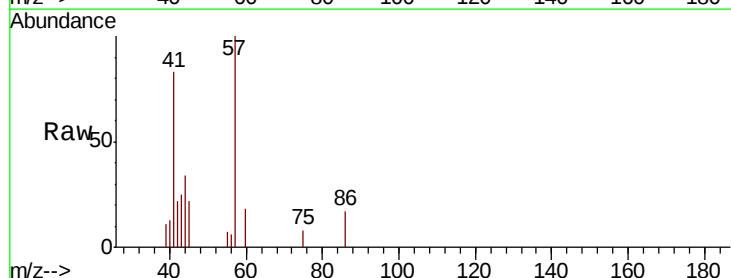
Delta R.T. -0.02 min

Lab File: VN051377.D

Acq: 21 Sep 2018 18:38

Tgt Ion: 41 Resp: 5139

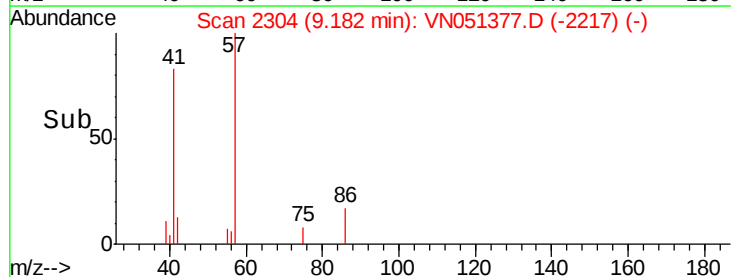
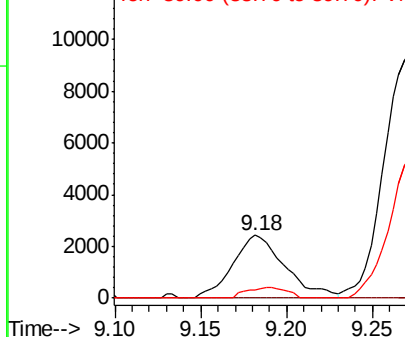
Ion	Ratio	Lower	Upper
41	100		
69	0.0	79.4	119.0#
39	13.3	43.0	64.6#

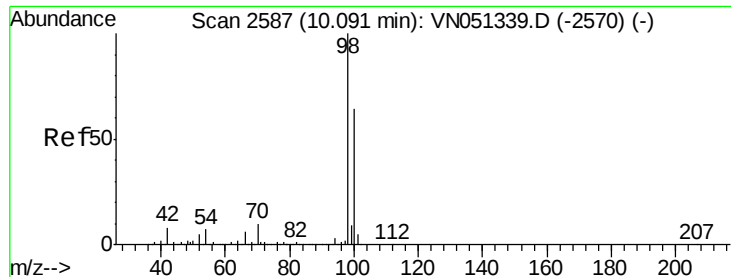


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

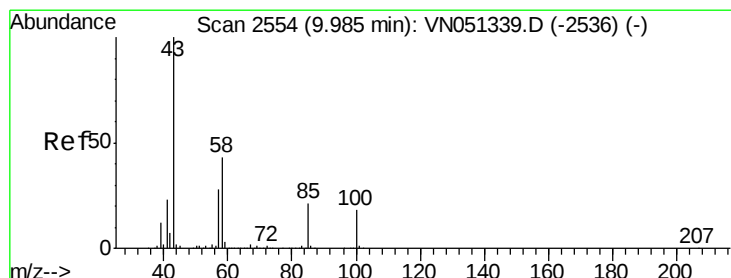
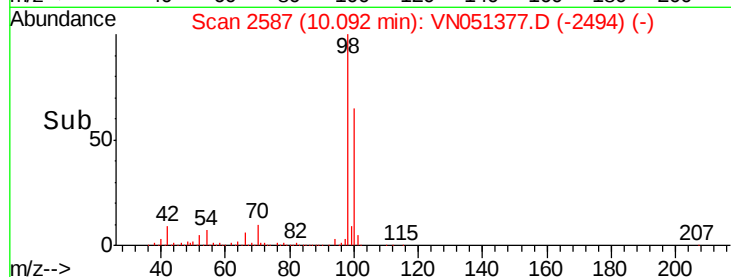
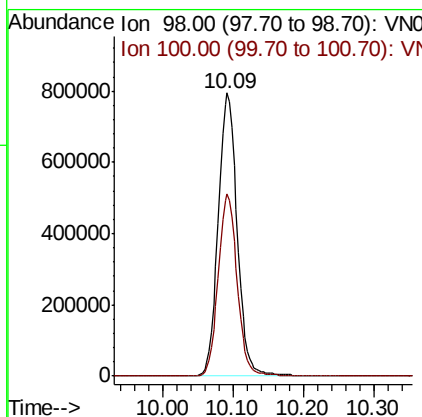
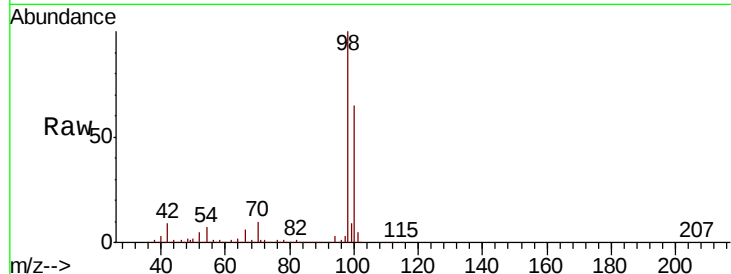
Ion 39.00 (38.70 to 39.70): VN0





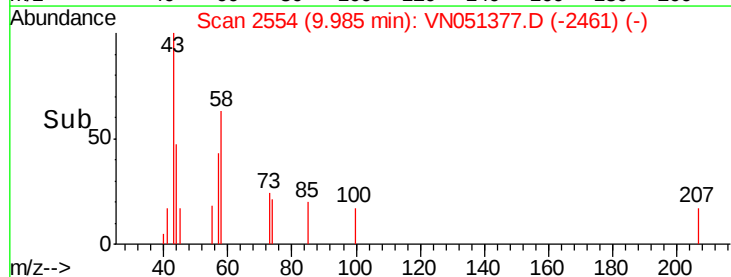
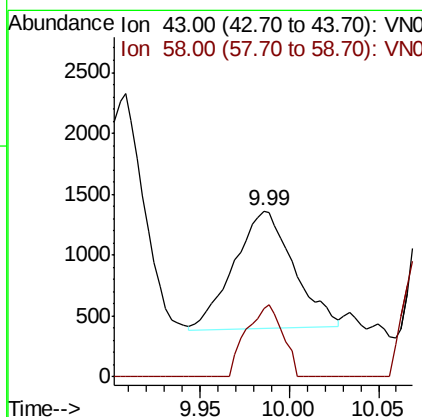
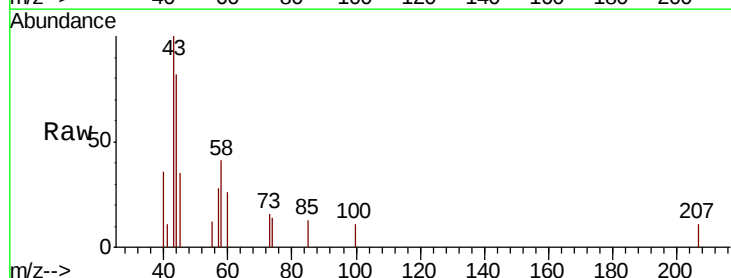
#50
Toluene-d8
Concen: 42.799 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

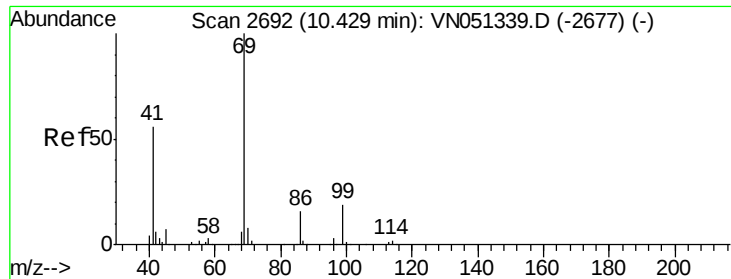
Tot Ion: 98 Resp: 1490369
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.419 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

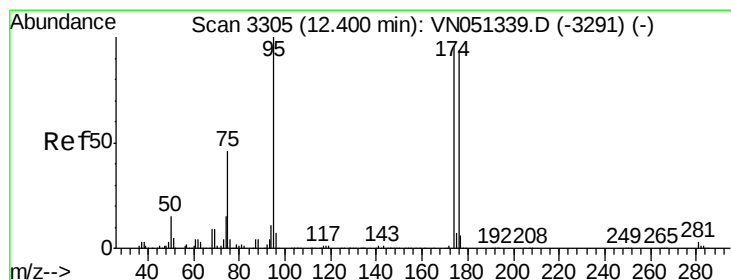
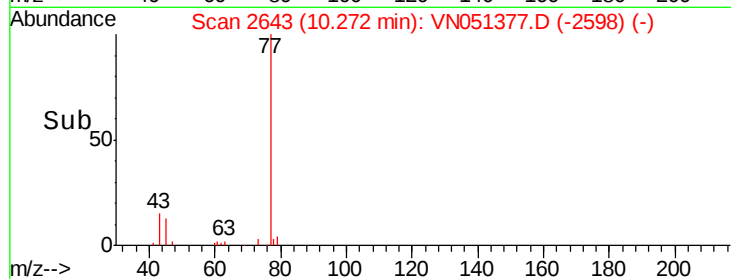
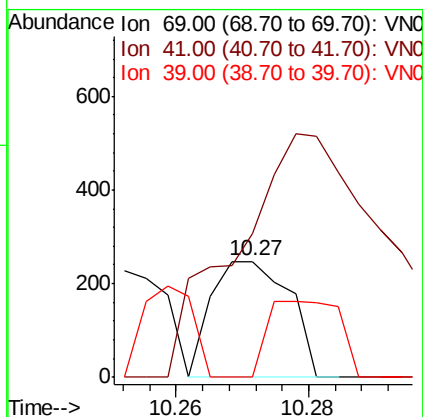
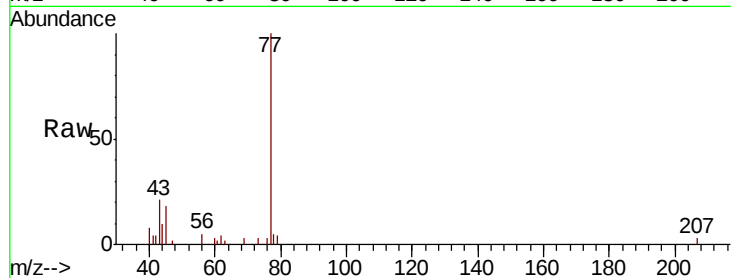
Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
58 37.7 34.2 51.4





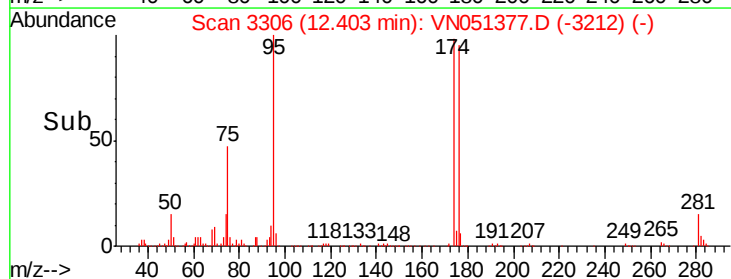
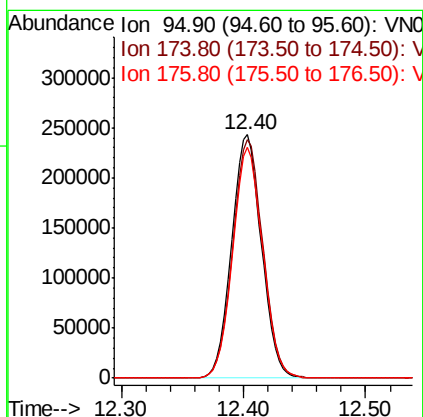
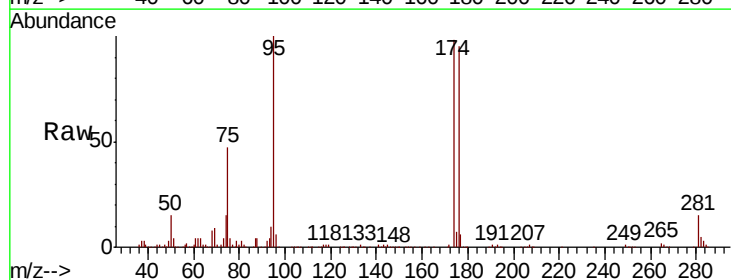
#56
Ethyl methacrylate
Concen: 1.597 ug/l
RT: 10.27 min Scan# 2643
Delta R.T. -0.16 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

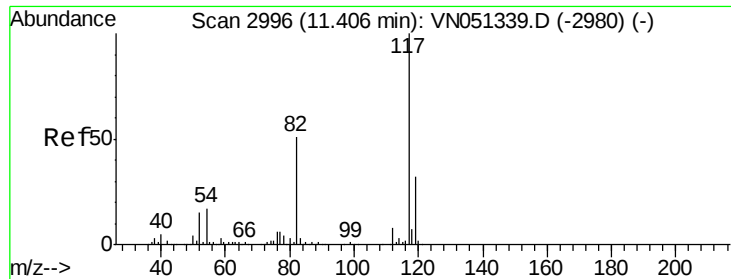
Tot Ion: 69 Resp: 202
Ion Ratio Lower Upper
69 100
41 386.6 45.1 67.7#
39 60.4 23.4 35.2#



#62
4-Bromofluorobenzene
Concen: 36.420 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

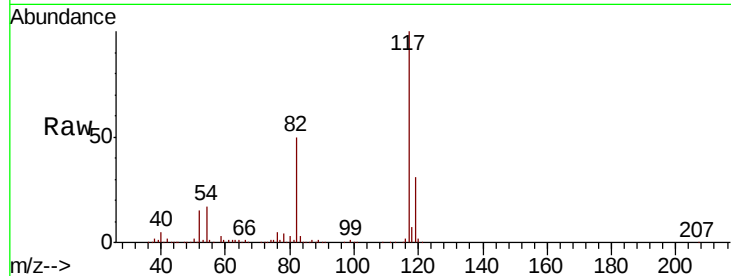
Tgt Ion: 95 Resp: 412602
Ion Ratio Lower Upper
95 100
174 99.2 0.0 194.6
176 95.2 0.0 189.6



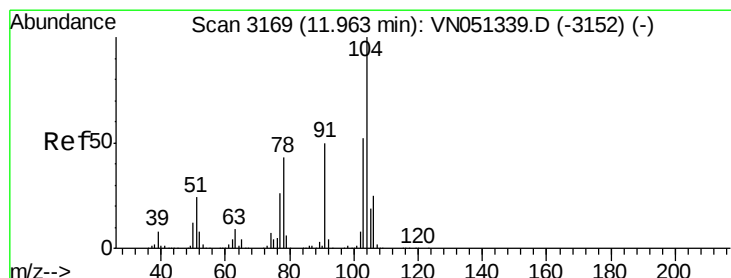
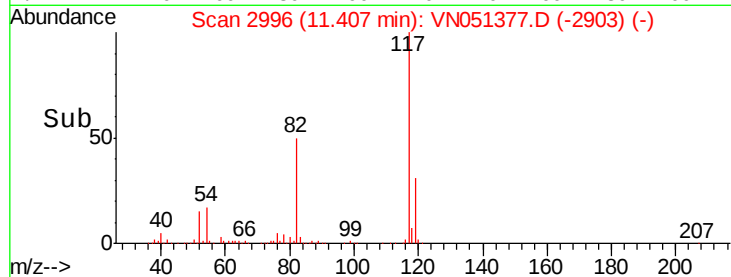
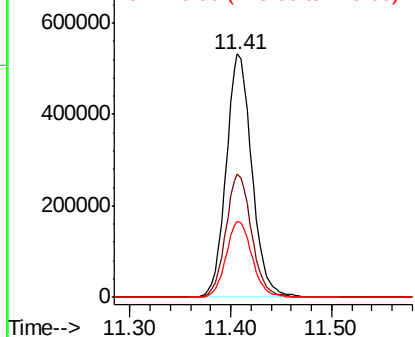


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

Tot Ion:117 Resp: 947268
Ion Ratio Lower Upper
117 100
82 50.4 40.7 61.1
119 31.4 25.3 37.9

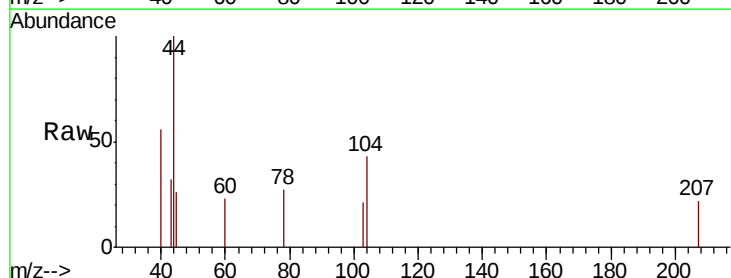


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

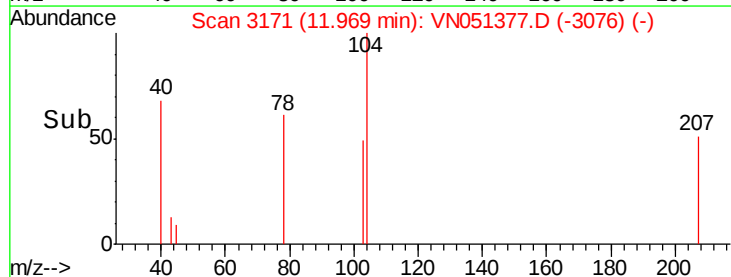
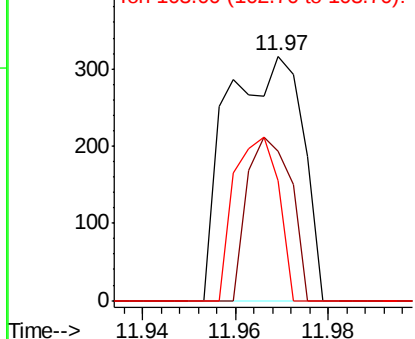


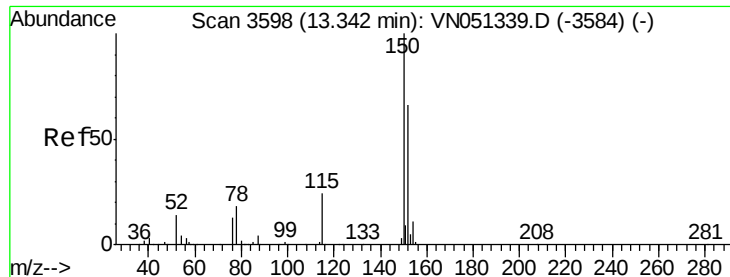
#70
Styrene
Concen: 0.909 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

Tgt Ion:104 Resp: 360
Ion Ratio Lower Upper
104 100
78 38.6 37.8 56.6
103 39.2 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

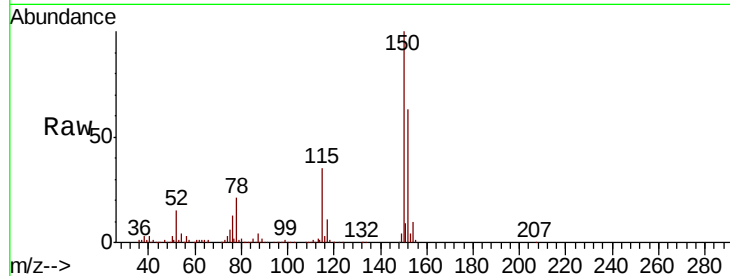




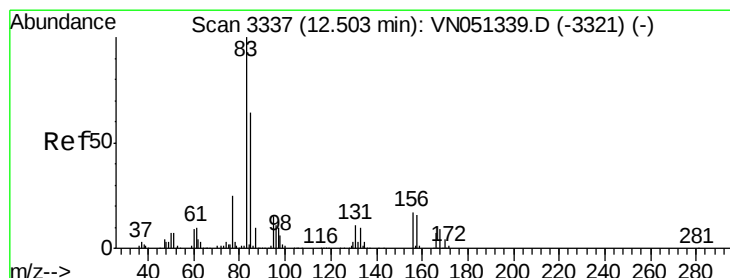
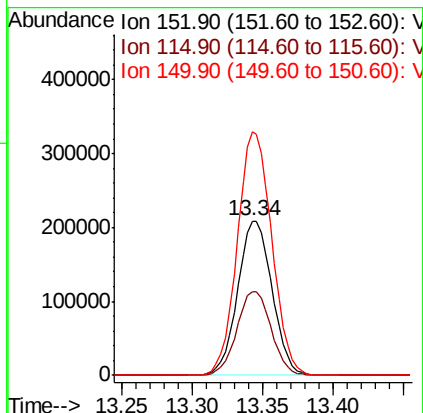
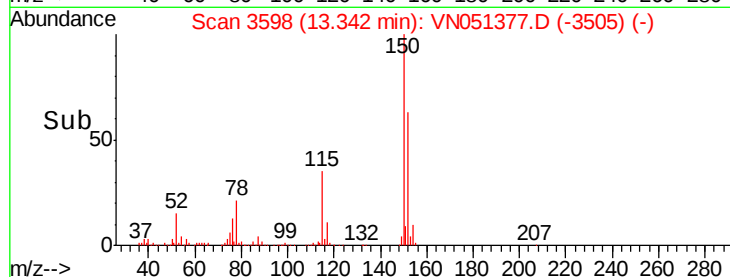
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.9	80.7
150	157.8	0.0	345.0



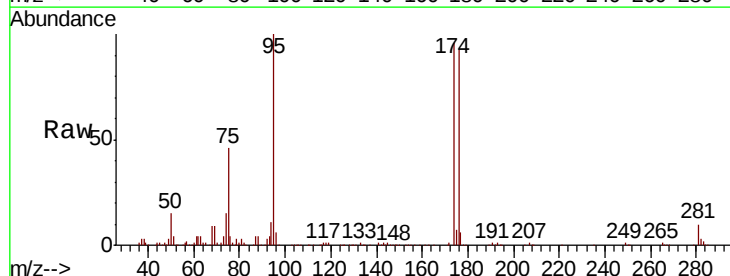
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



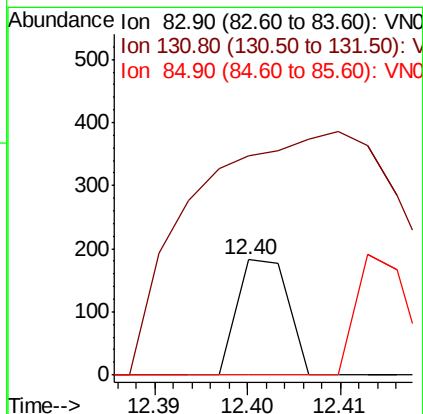
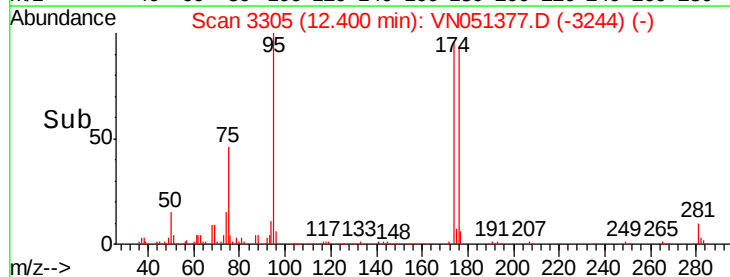
#75

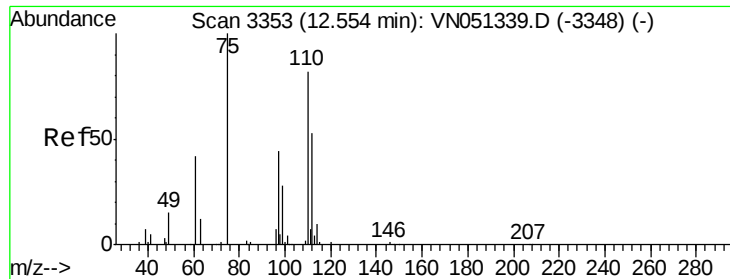
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.40 min Scan# 3305
Delta R.T. -0.10 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
131	863.8	5.5	16.7#
85	100.0	32.3	96.9#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VNO

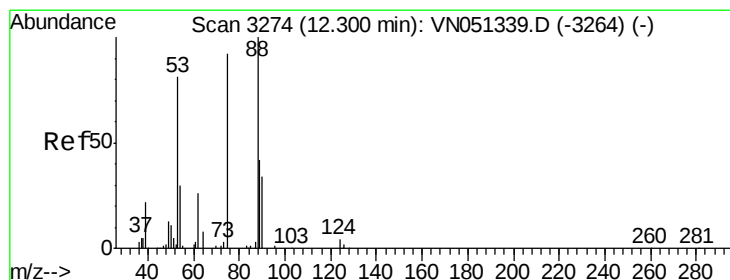
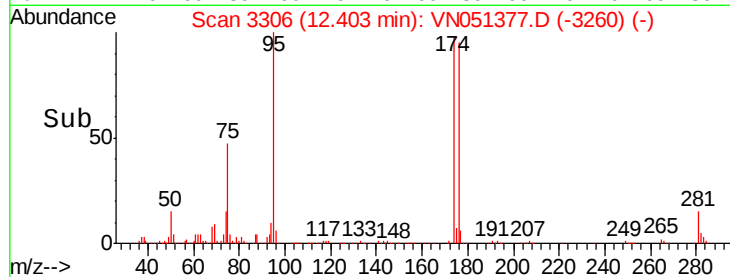
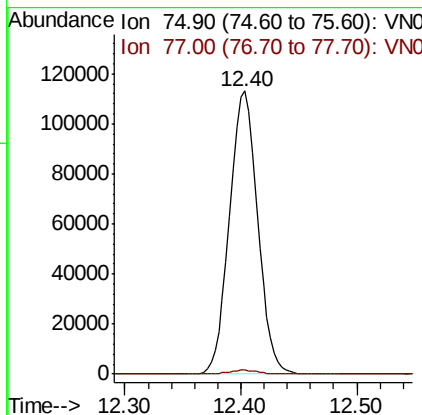
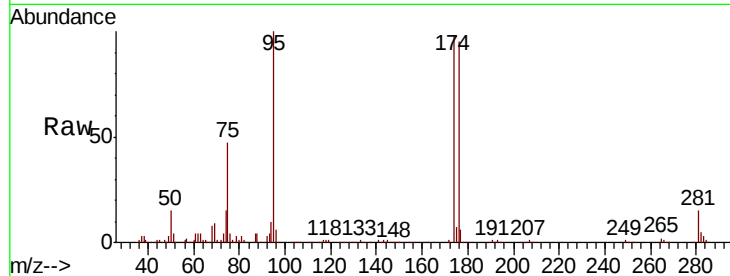




#76

1,2,3-Trichloropropane
 Concen: 39.725 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051377.D
 Acq: 21 Sep 2018 18:38

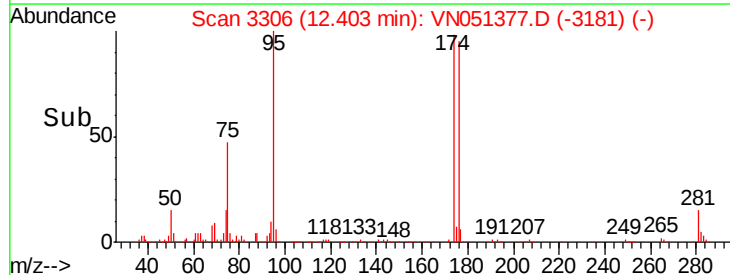
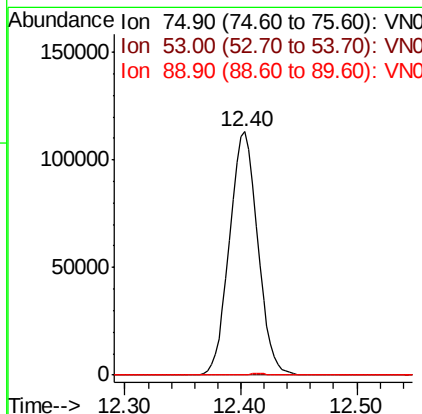
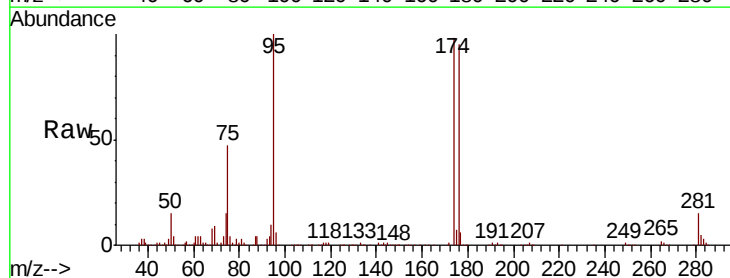
Tot Ion: 75 Resp: 189777
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

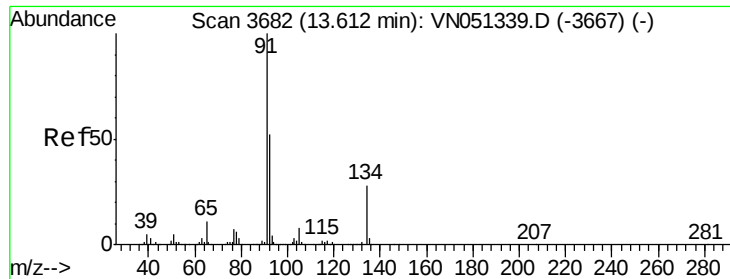


#81

trans-1,4-Dichloro-2-butene
 Concen: 119.214 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051377.D
 Acq: 21 Sep 2018 18:38

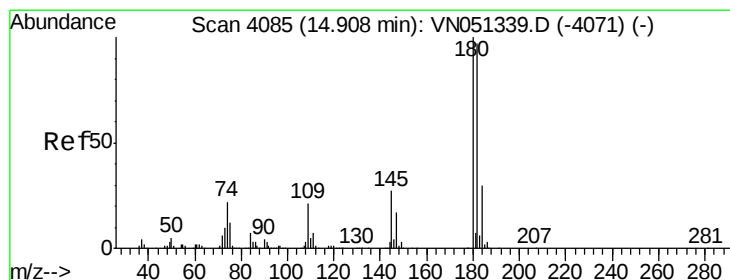
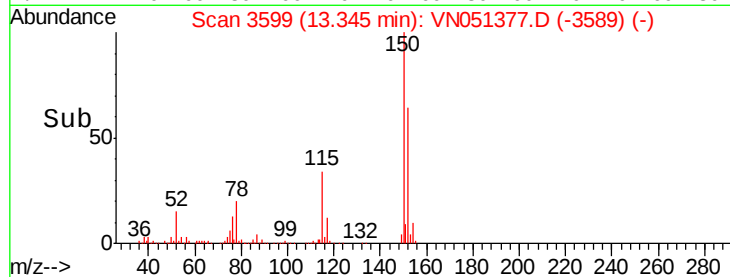
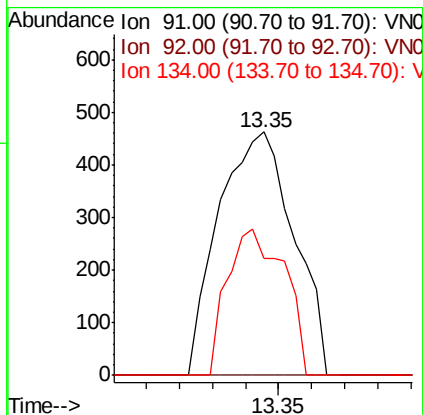
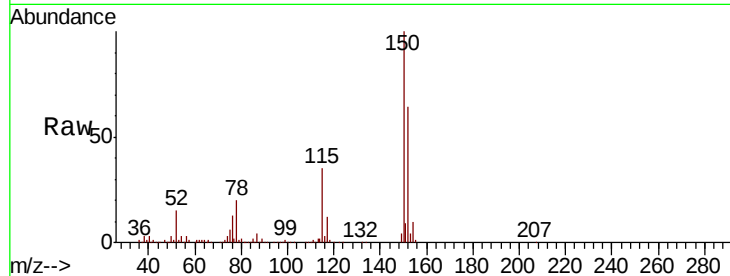
Tgt Ion: 75 Resp: 189777
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.9 104.9#
 89 0.0 37.9 56.9#





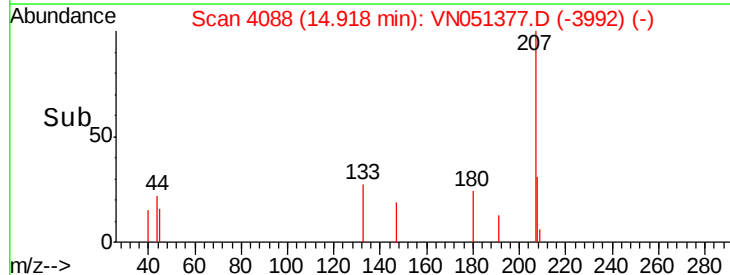
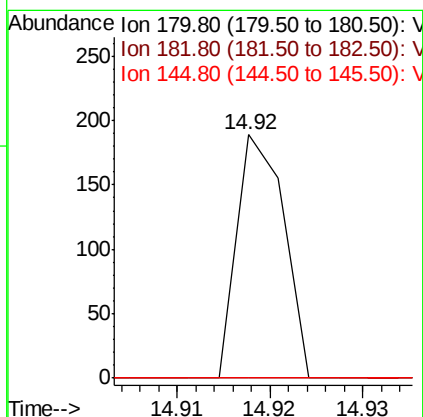
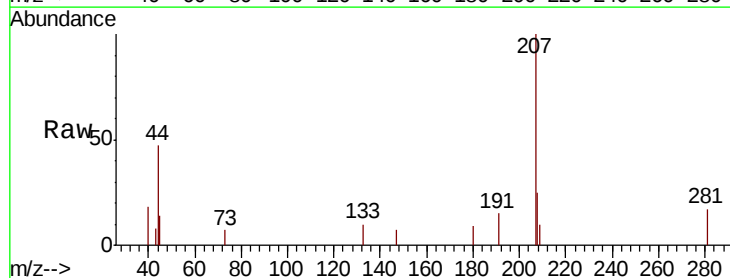
#89
n-Butylbenzene
Concen: 1.466 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.27 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

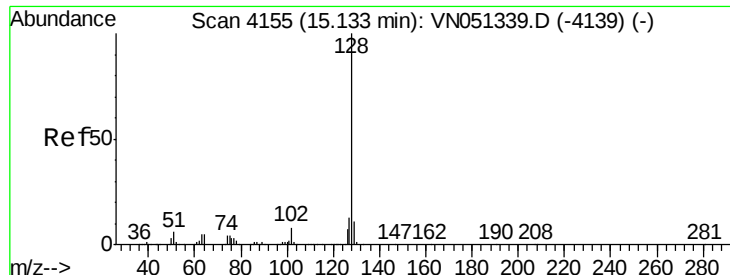
Tot Ion: 91 Resp: 729
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 45.3 14.1 42.4#



#93
1,2,4-Trichlorobenzene
Concen: 4.107 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.01 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

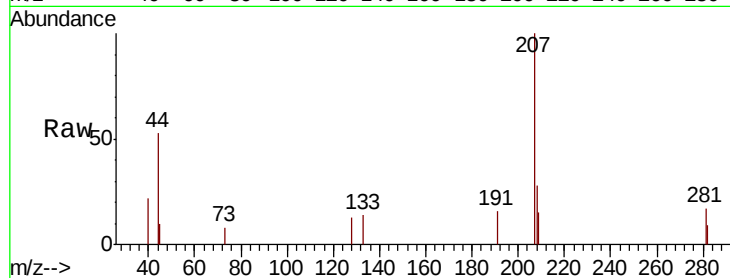
Tgt Ion: 180 Resp: 66
Ion Ratio Lower Upper
180 100
182 0.0 48.4 145.2#
145 0.0 13.7 41.1#





#95
Naphthalene
Concen: 5.346 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051377.D
Acq: 21 Sep 2018 18:38

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

