

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092218\
 Data File : VN051384.D
 Acq On : 21 Sep 2018 21:30
 Operator : MD\SY
 Sample : PB113086ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

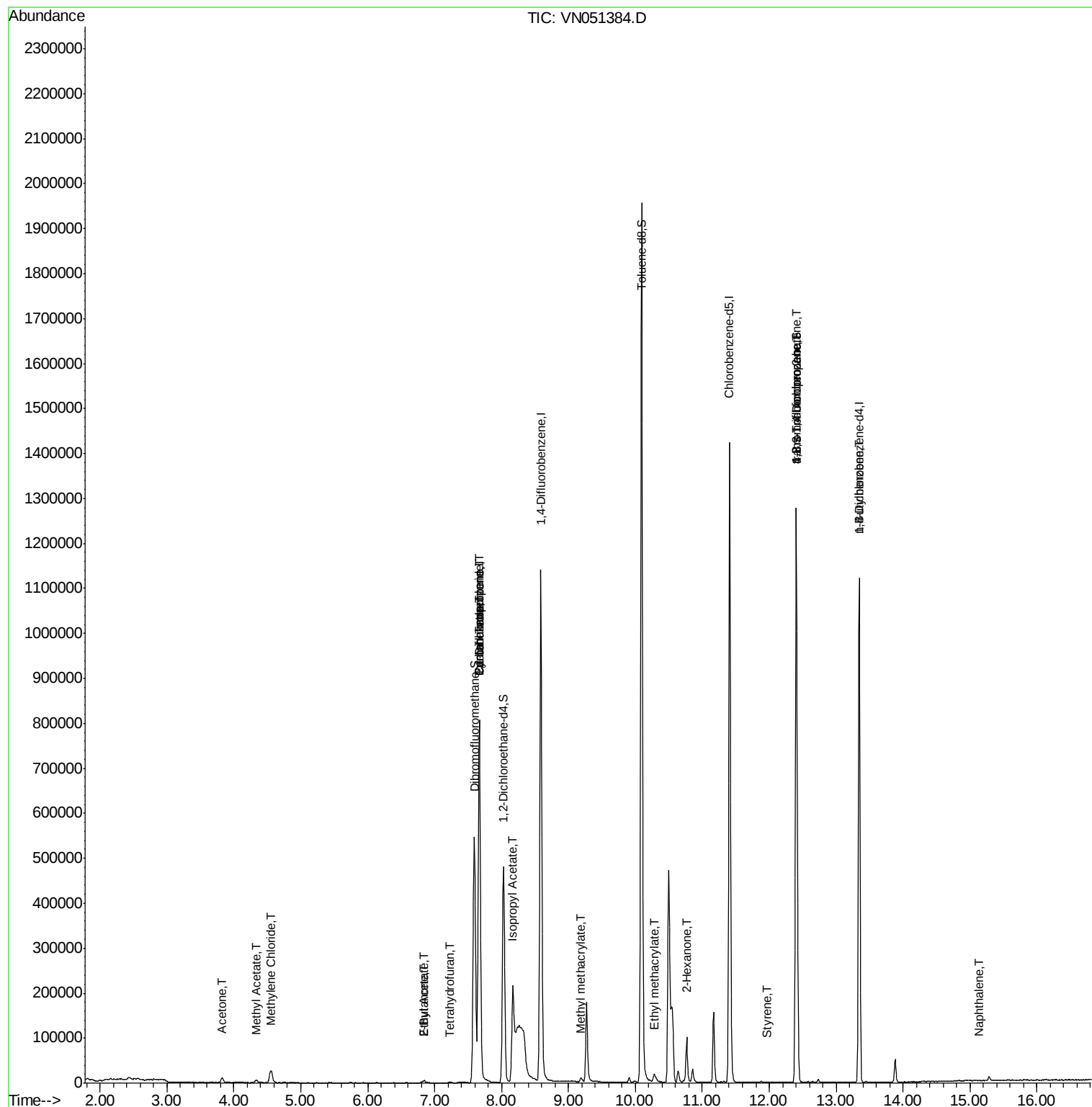
Quant Time: Sep 21 23:05:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:23:57 2018
 Response via : Initial Calibration

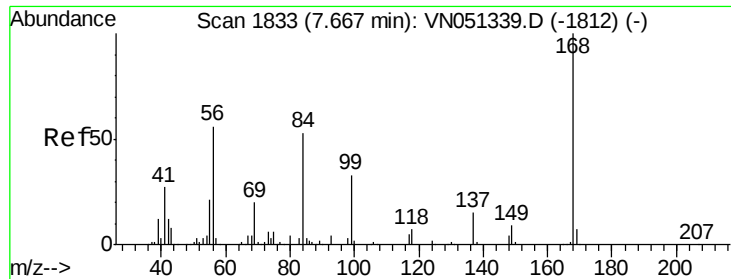
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	748269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1104543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	916557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	336817	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	416701	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
35) Dibromofluoromethane	7.59	113	413928	46.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.74%	
50) Toluene-d8	10.09	98	1461195	42.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.16%	
62) 4-Bromofluorobenzene	12.40	95	393542	35.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	880	Below Cal	#	83
16) Acetone	3.82	43	19583	10.940	ug/l	95
18) Methyl Acetate	4.33	43	11693	1.398	ug/l	98
20) Methylene Chloride	4.55	84	22270	2.671	ug/l	94
25) 2-Butanone	6.84	43	3656	1.578	ug/l	94
29) Tetrahydrofuran	7.22	42	1217	0.829	ug/l #	47
31) Cyclohexane	7.67	56	10876	0.460	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44608	3.948	ug/l #	42
37) Ethyl Acetate	6.84	43	3656	0.654	ug/l #	64
38) Carbon Tetrachloride	7.67	117	60665	4.963	ug/l #	17
43) Isopropyl Acetate	8.17	43	271694	27.736	ug/l #	90
48) Methyl methacrylate	9.18	41	5234	1.048	ug/l #	14
56) Ethyl methacrylate	10.28	69	114	1.589	ug/l #	1
59) 2-Hexanone	10.77	43	13531	3.809	ug/l #	53
70) Styrene	11.96	104	248	0.904	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.40	83	193	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	180733	40.105	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180733	120.304	ug/l #	14
89) n-Butylbenzene	13.35	91	609	1.462	ug/l #	47
95) Naphthalene	15.13	128	79	5.337	ug/l #	69

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

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QLast Update : Fri Sep 21 04:23:57 2018
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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: VN051384.D

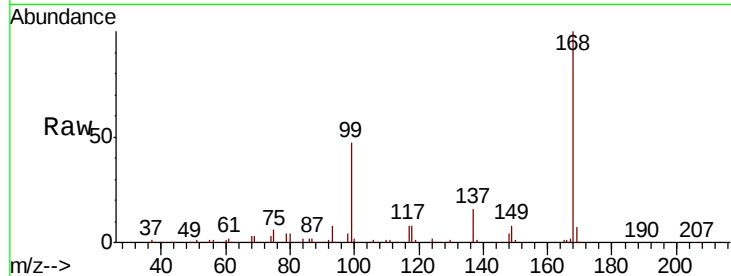
Acq: 21 Sep 2018 21:30

Tot Ion:168 Resp: 748269

Ion Ratio Lower Upper

168 100

99 46.8 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

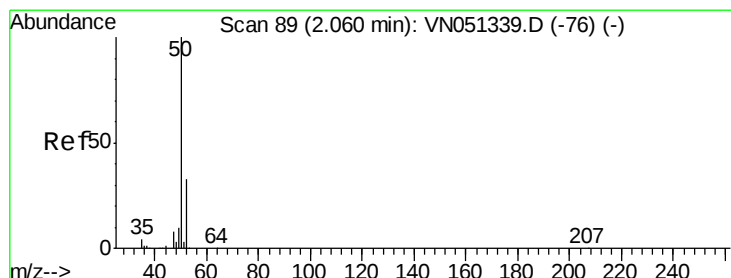
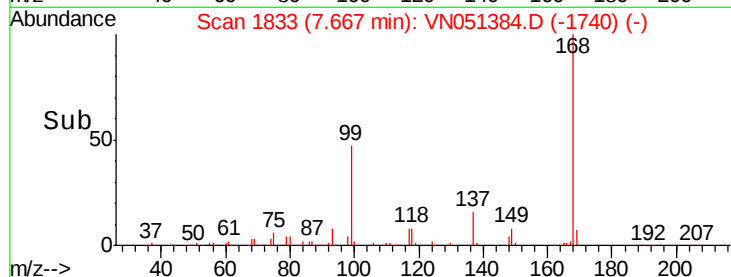
300000

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: VN051384.D

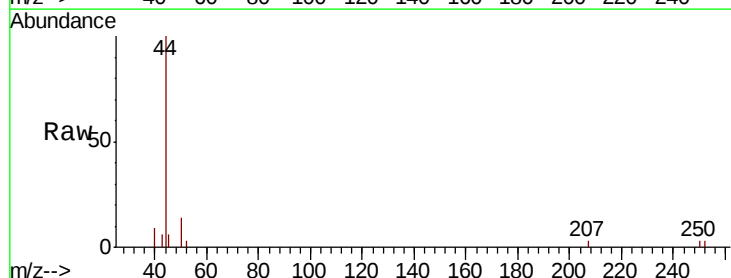
Acq: 21 Sep 2018 21:30

Tgt Ion: 50 Resp: 880

Ion Ratio Lower Upper

50 100

52 23.6 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

800

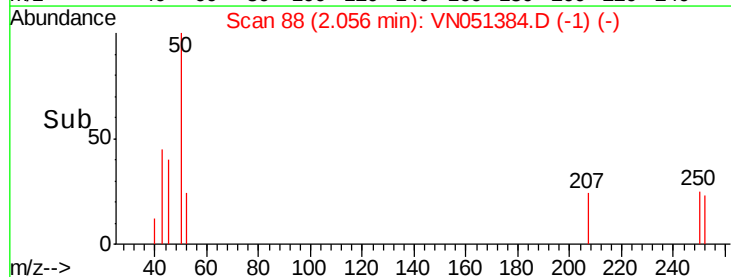
600

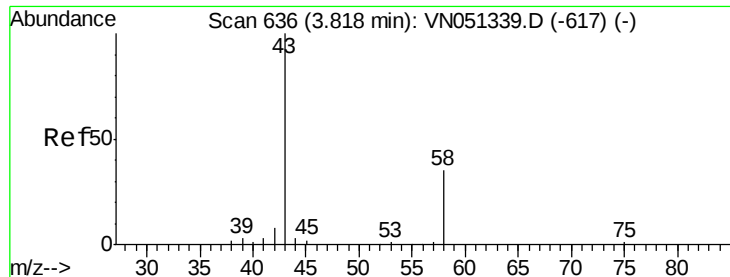
400

200

0

Time--> 2.02 2.04 2.06 2.08





#16

Acetone

Concen: 10.940 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051384.D

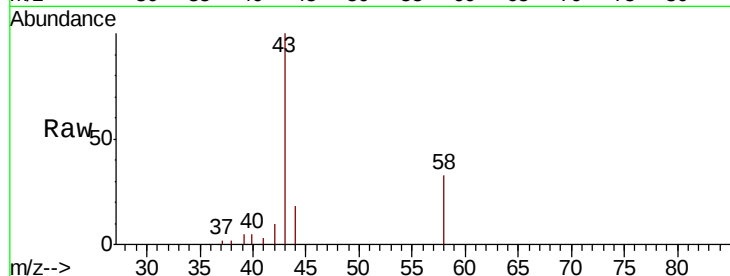
Acq: 21 Sep 2018 21:30

Tot Ion: 43 Resp: 19583

Ion Ratio Lower Upper

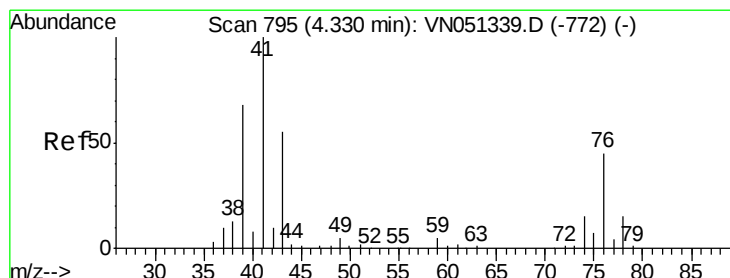
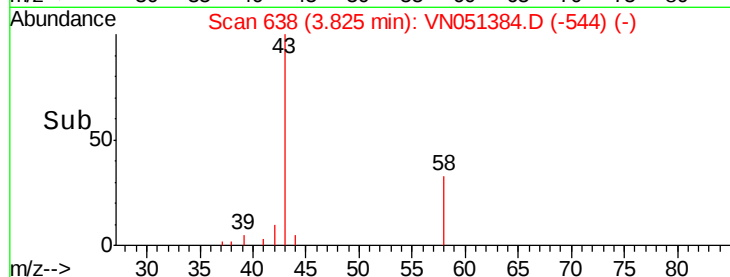
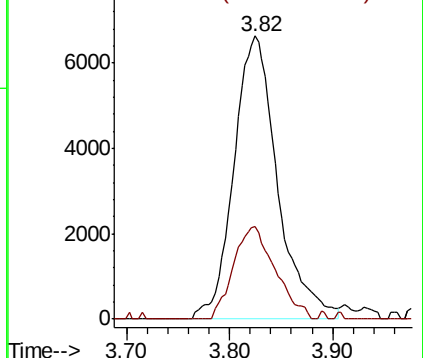
43 100

58 32.6 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-617) (-)



#18

Methyl Acetate

Concen: 1.398 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN051384.D

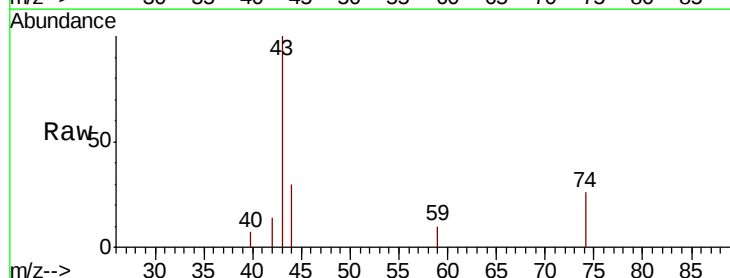
Acq: 21 Sep 2018 21:30

Tgt Ion: 43 Resp: 11693

Ion Ratio Lower Upper

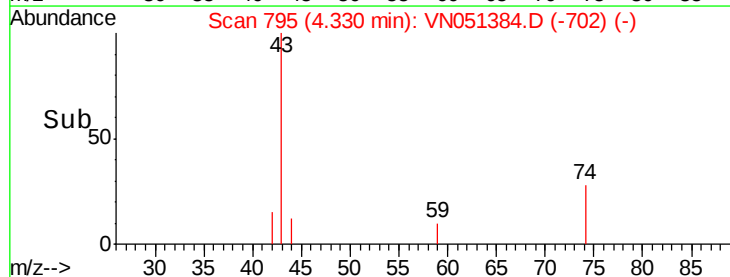
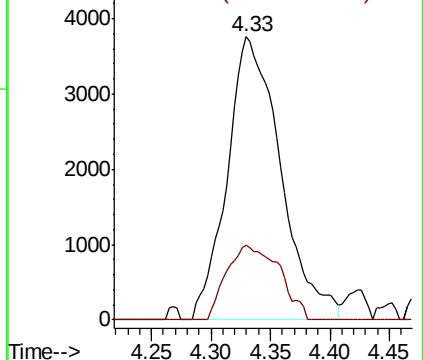
43 100

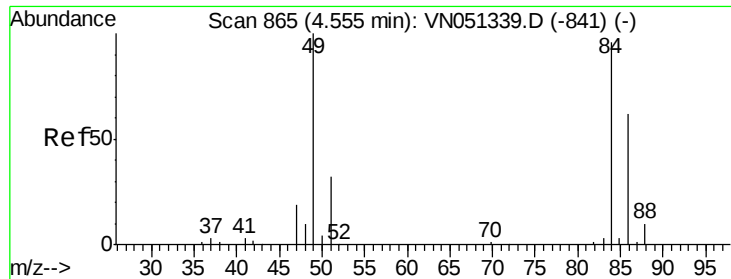
74 26.1 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-772) (-)

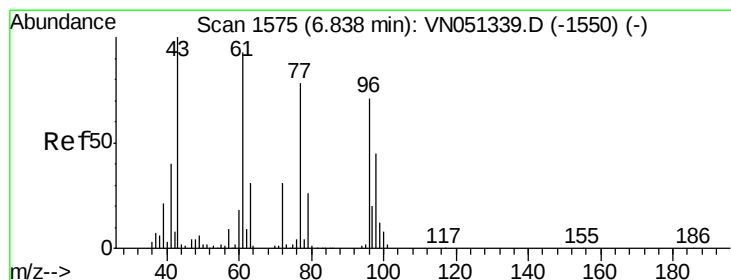
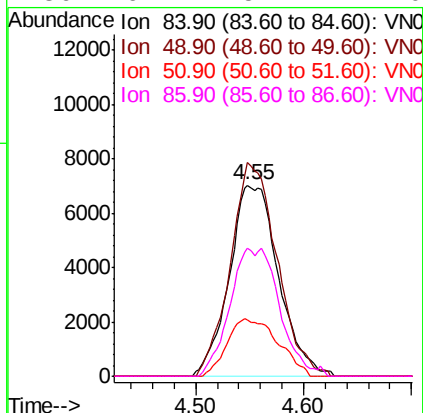
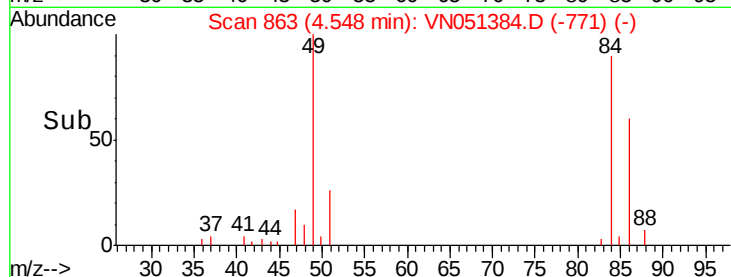
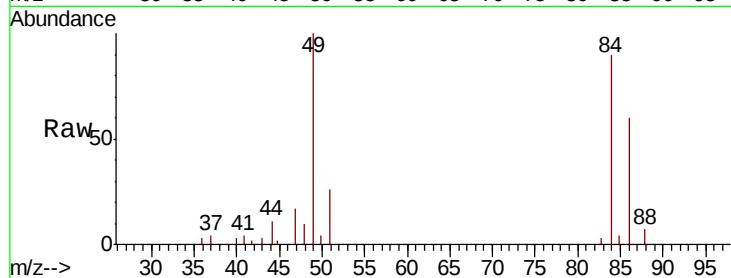
Ion 74.00 (73.70 to 74.70): VN051339.D (-772) (-)





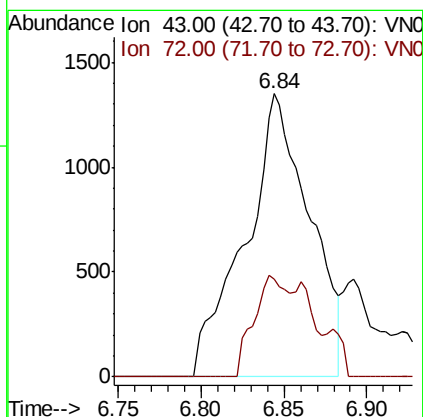
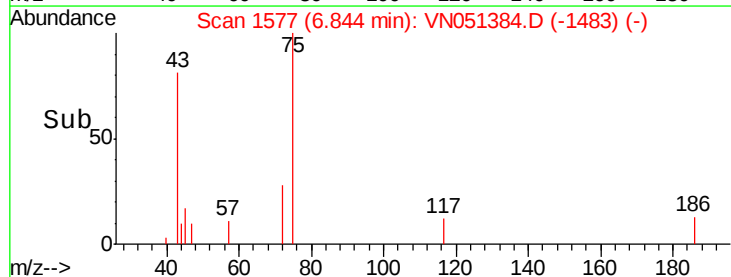
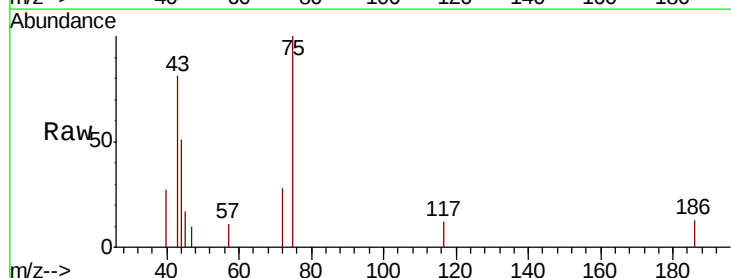
#20
Methvlene Chloride
Concen: 2.671 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

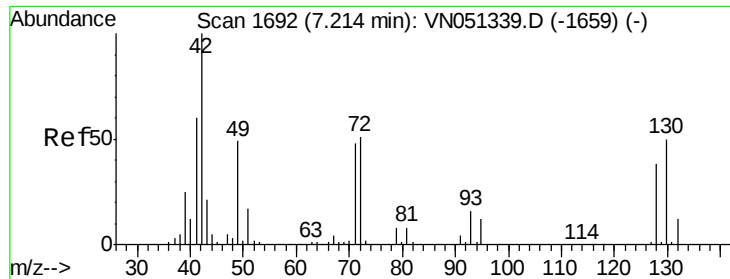
Tot Ion: 84 Resp: 22270
Ion Ratio Lower Upper
84 100
49 111.6 83.2 124.8
51 29.3 26.4 39.6
86 67.1 51.4 77.0



#25
2-Butanone
Concen: 1.578 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

Tgt Ion: 43 Resp: 3656
Ion Ratio Lower Upper
43 100
72 34.3 24.7 37.1





#29

Tetrahydrofuran

Concen: 0.829 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN051384.D

Acq: 21 Sep 2018 21:30

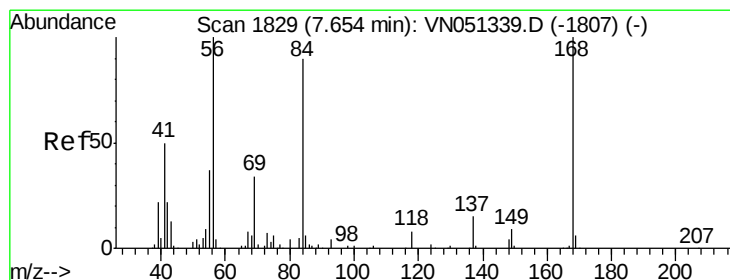
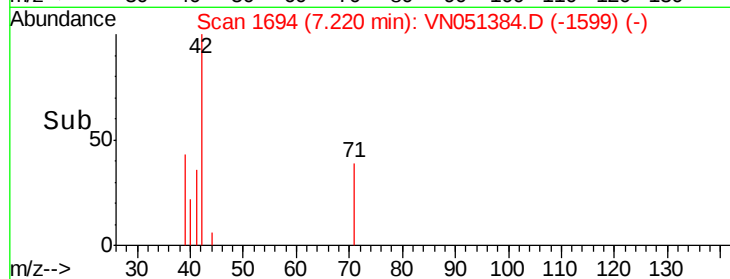
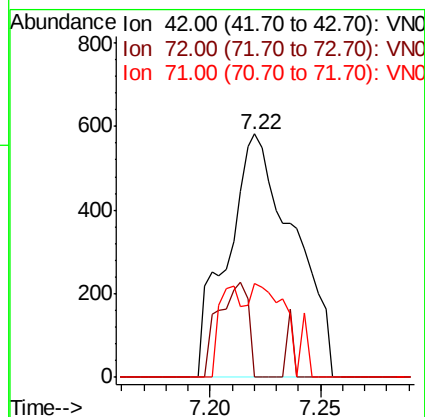
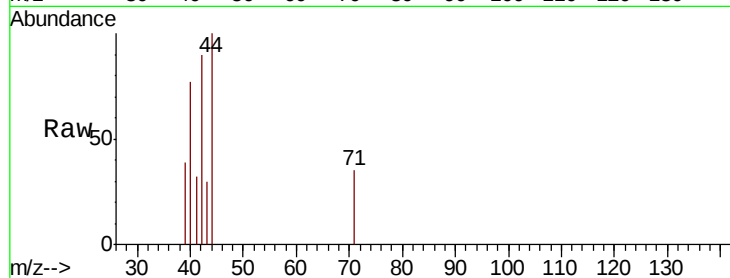
Tot Ion: 42 Resp: 1217

Ion Ratio Lower Upper

42 100

72 2.5 39.0 58.4#

71 20.9 36.5 54.7#



#31

Cyclohexane

Concen: 0.460 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051384.D

Acq: 21 Sep 2018 21:30

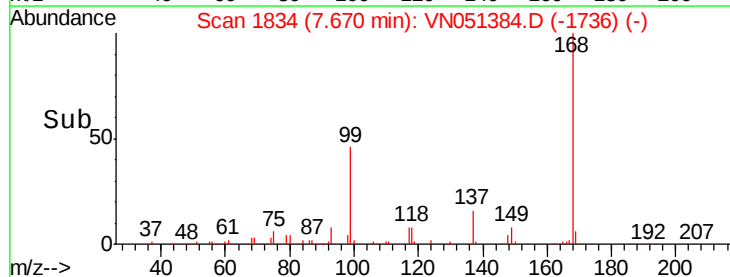
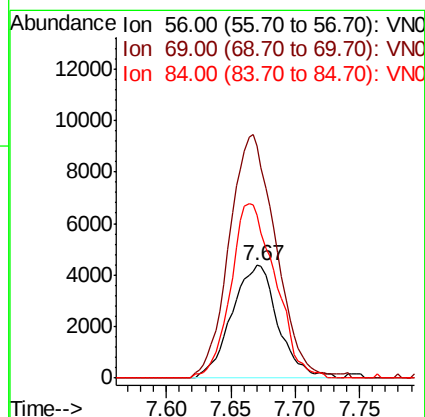
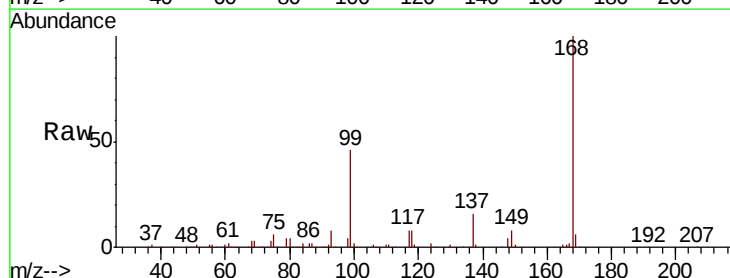
Tgt Ion: 56 Resp: 10876

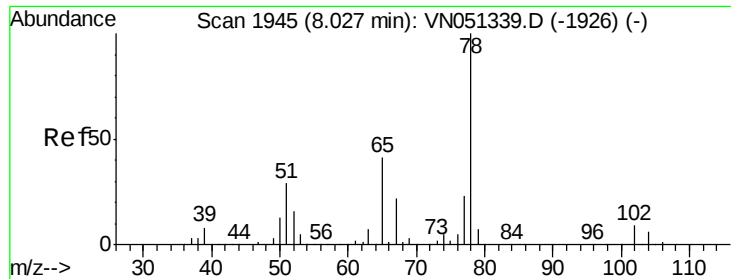
Ion Ratio Lower Upper

56 100

69 205.8 27.3 40.9#

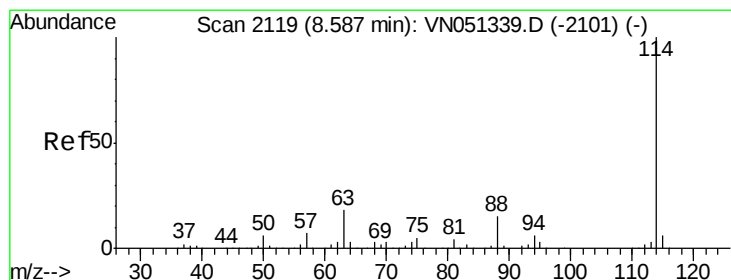
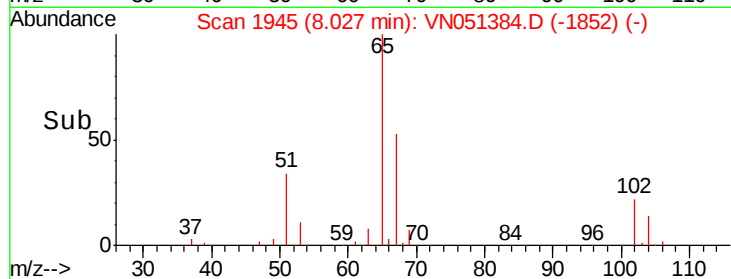
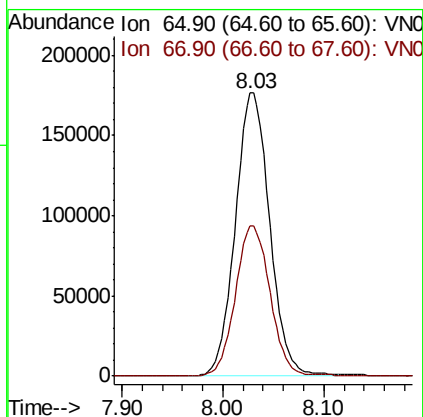
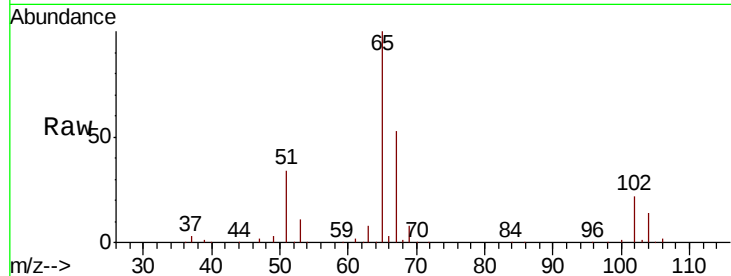
84 144.9 72.2 108.2#





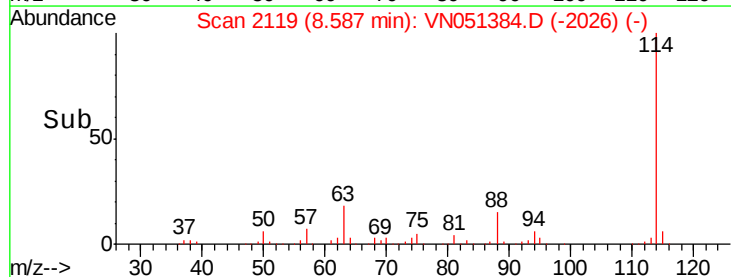
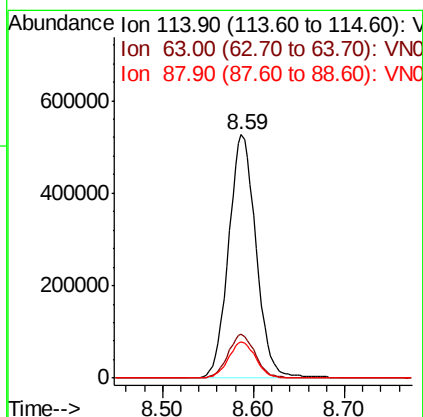
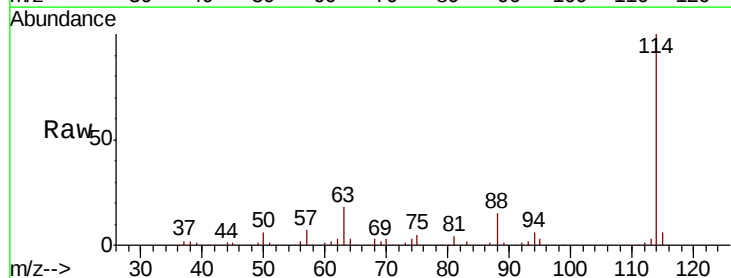
#33
 1,2-Dichloroethane-d4
 Concen: 51.380 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051384.D
 Acq: 21 Sep 2018 21:30

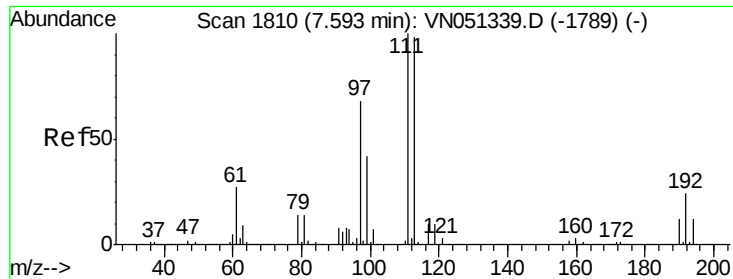
Tot Ion: 65 Resp: 416701
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051384.D
 Acq: 21 Sep 2018 21:30

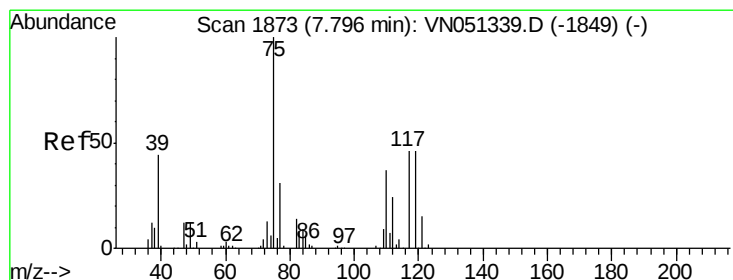
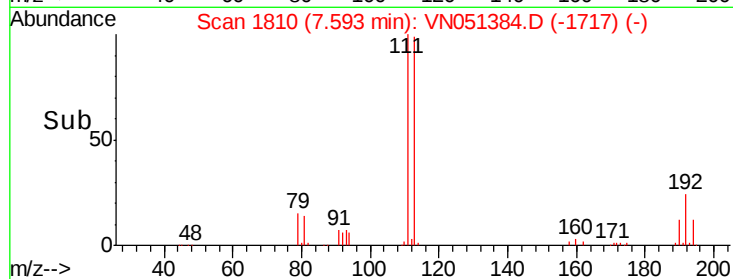
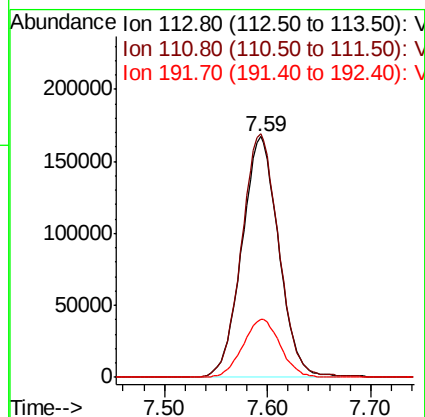
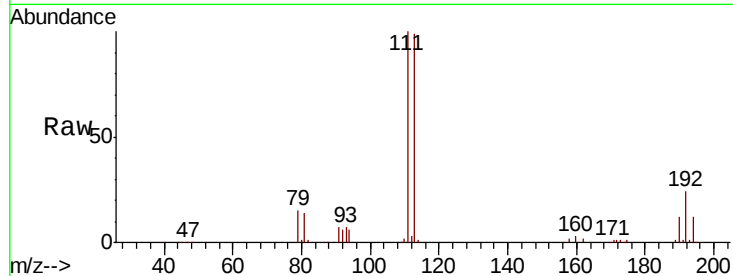
Tgt Ion: 114 Resp: 1104543
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.6
 88 14.8 0.0 29.8





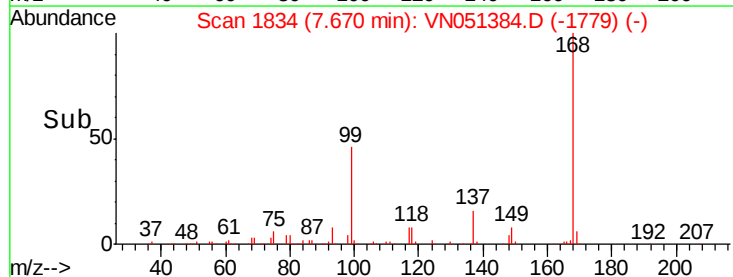
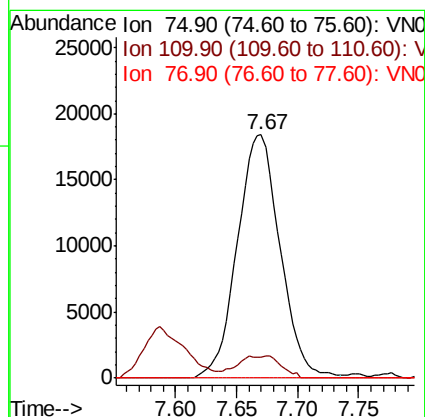
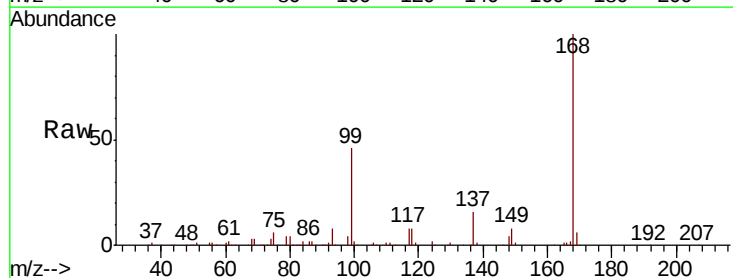
#35
 Dibromofluoromethane
 Concen: 46.372 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051384.D
 Acq: 21 Sep 2018 21:30

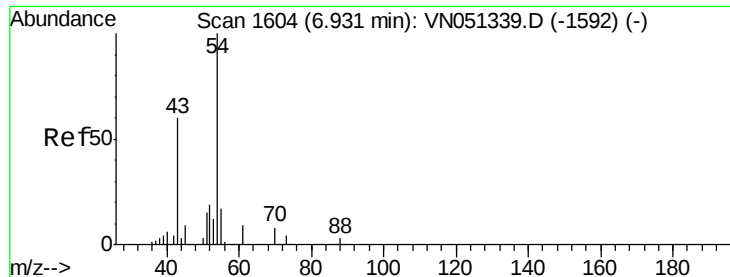
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	24.5	19.8	29.6



#36
 1,1-Dichloropropene
 Concen: 3.948 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051384.D
 Acq: 21 Sep 2018 21:30

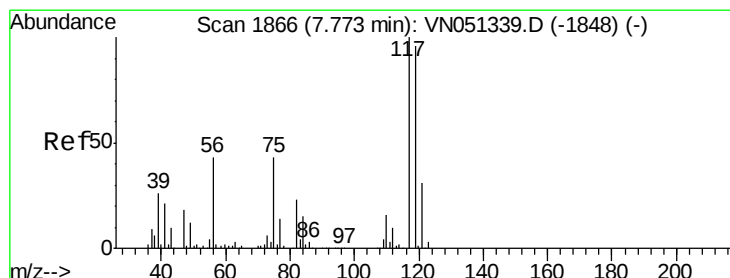
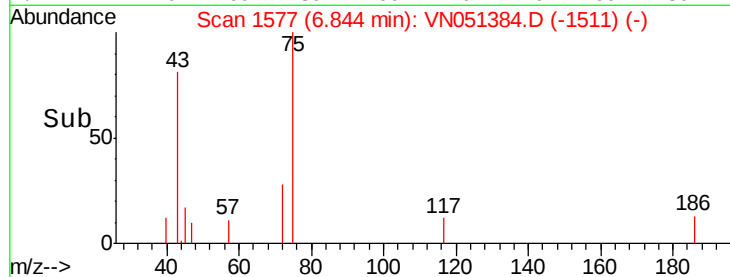
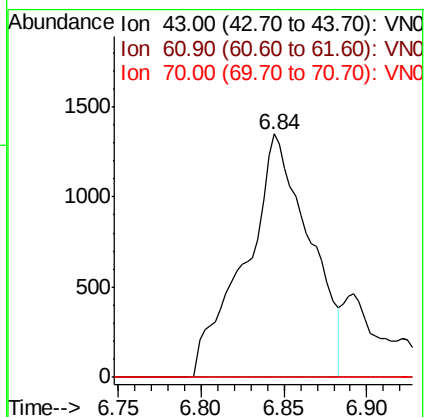
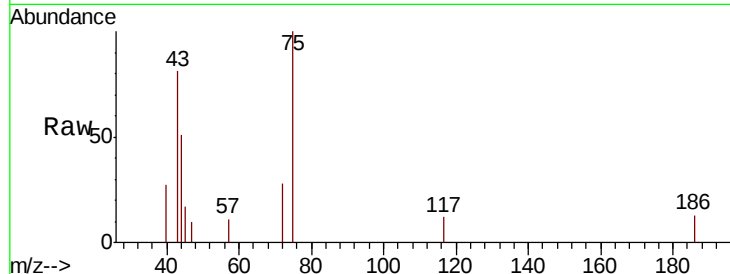
Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.8	18.9	56.5#
77	0.0	25.4	38.2#





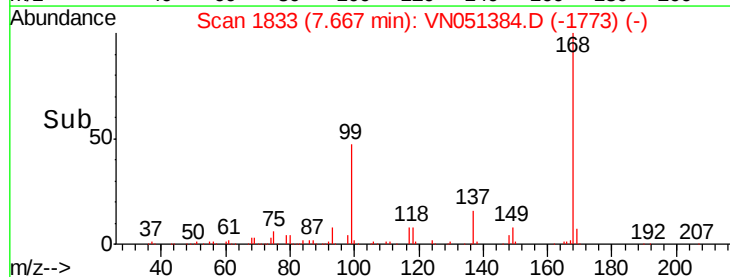
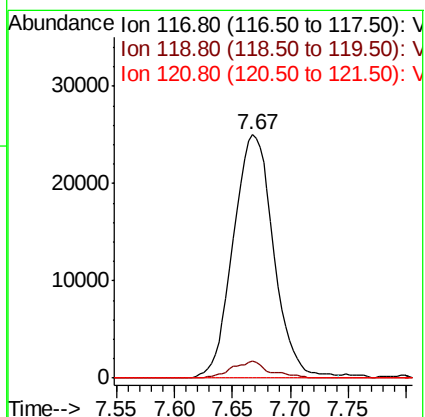
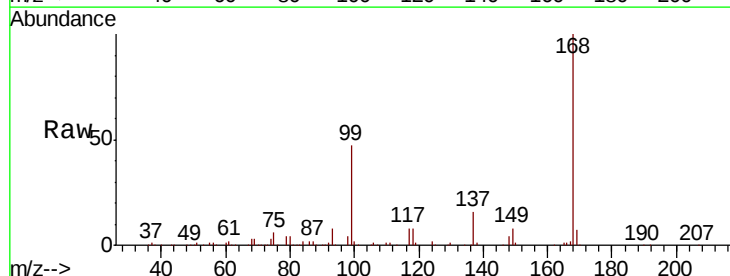
#37
Ethyl Acetate
Concen: 0.654 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.09 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

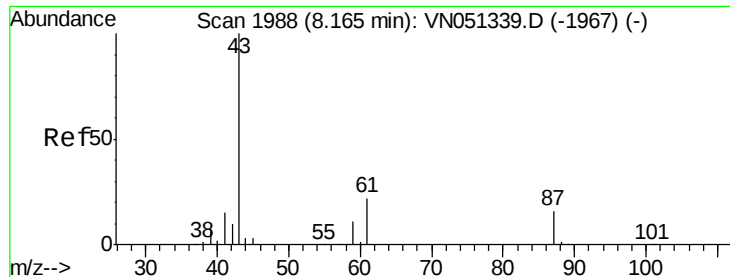
Tot Ion: 43 Resp: 3656
Ion Ratio Lower Upper
43 100
61 0.0 13.6 20.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 4.963 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

Tgt Ion: 117 Resp: 60665
Ion Ratio Lower Upper
117 100
119 6.9 77.0 115.4#
121 0.0 25.0 37.4#





#43

Isopropyl Acetate

Concen: 27.736 ug/l

RT: 8.17 min Scan# 1989

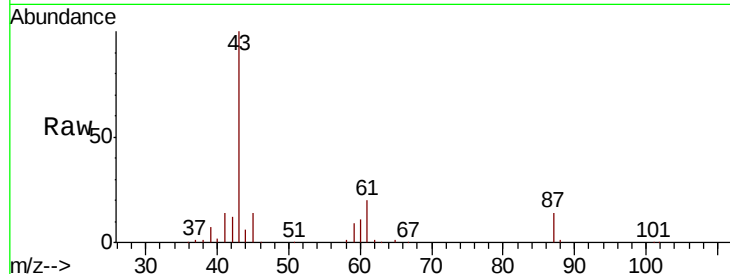
Delta R.T. 0.00 min

Lab File: VN051384.D

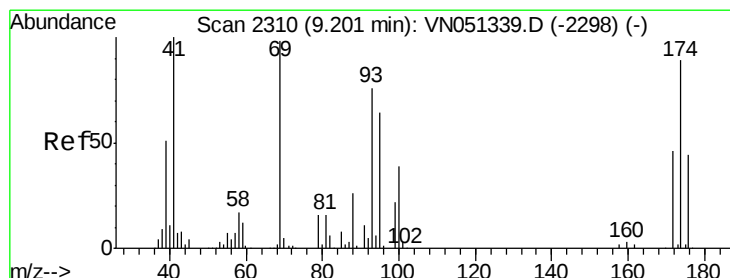
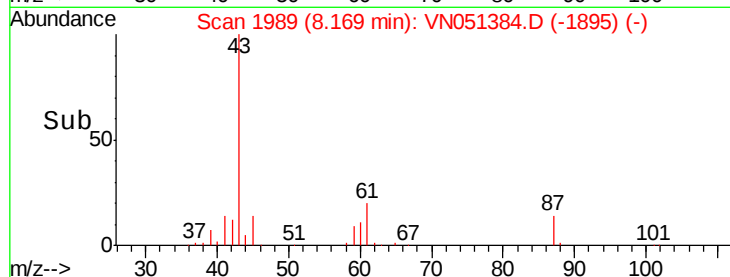
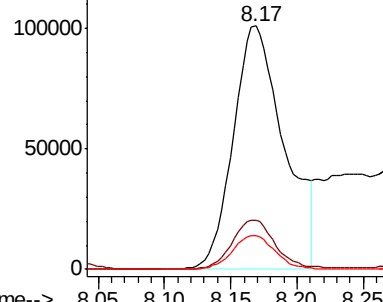
Acq: 21 Sep 2018 21:30

Tot Ion: 43 Resp: 271694

Ion	Ratio	Lower	Upper
43	100		
61	17.5	18.1	27.1#
87	11.7	12.8	19.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.048 ug/l

RT: 9.18 min Scan# 2304

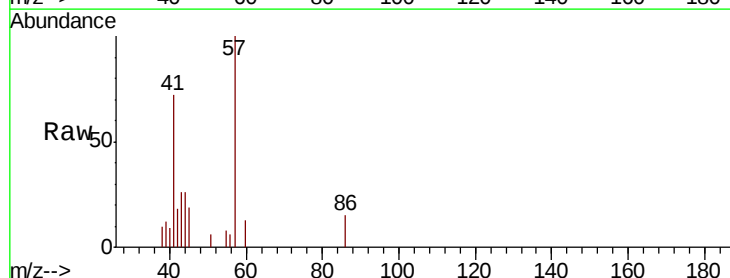
Delta R.T. -0.02 min

Lab File: VN051384.D

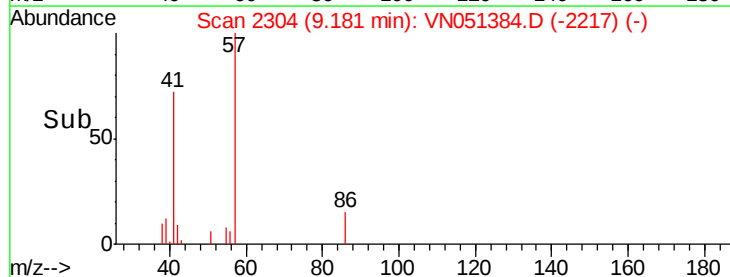
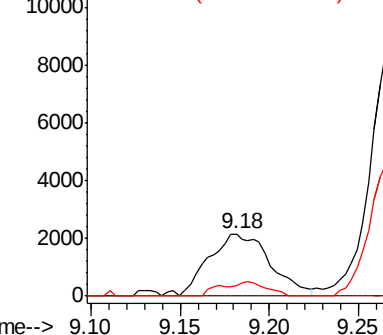
Acq: 21 Sep 2018 21:30

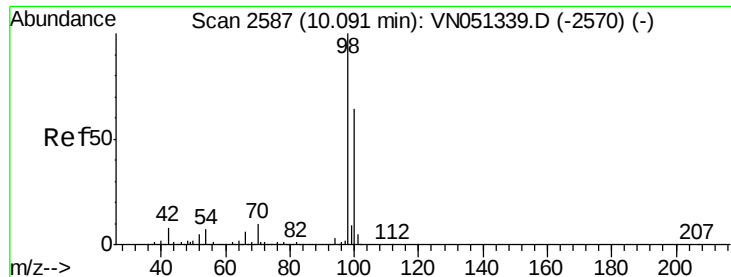
Tgt Ion: 41 Resp: 5234

Ion	Ratio	Lower	Upper
41	100		
69	0.0	79.4	119.0#
39	10.9	43.0	64.6#



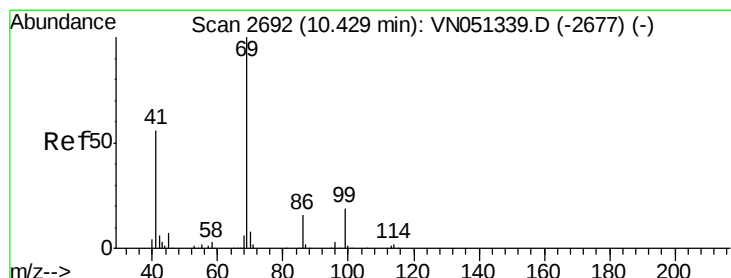
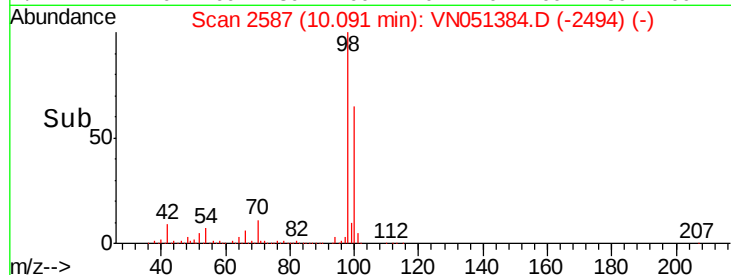
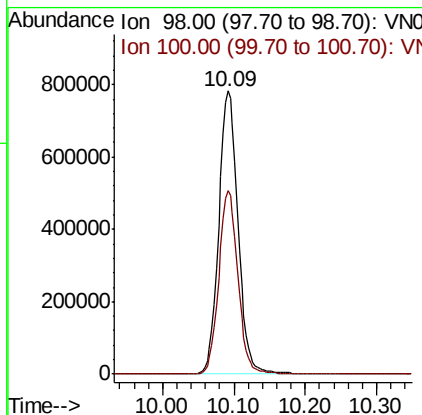
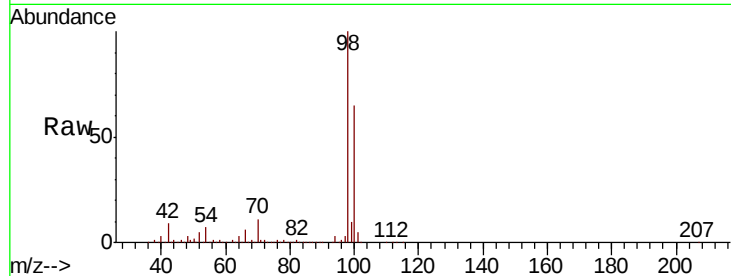
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





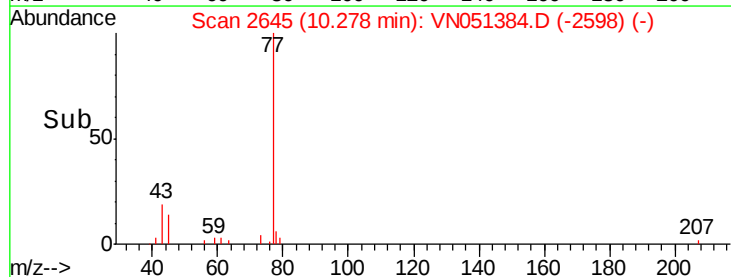
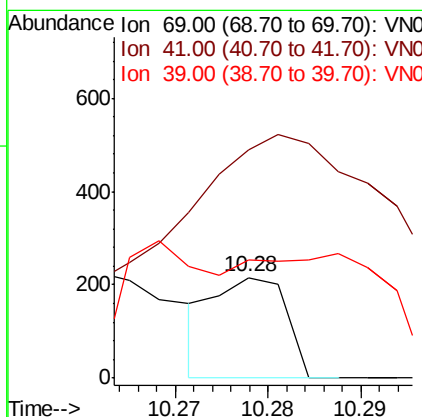
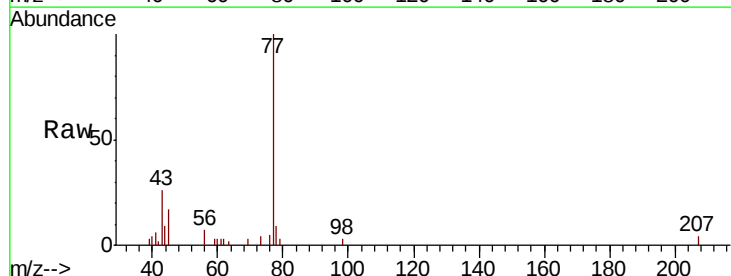
#50
Toluene-d8
Concen: 42.582 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

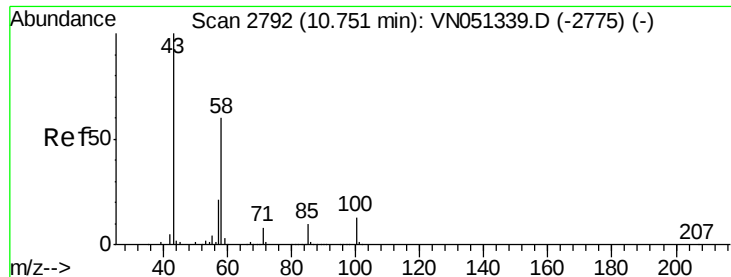
Tot Ion: 98 Resp: 1461195
Ion Ratio Lower Upper
98 100
100 64.5 51.3 76.9



#56
Ethyl methacrylate
Concen: 1.589 ug/l
RT: 10.28 min Scan# 2645
Delta R.T. -0.15 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

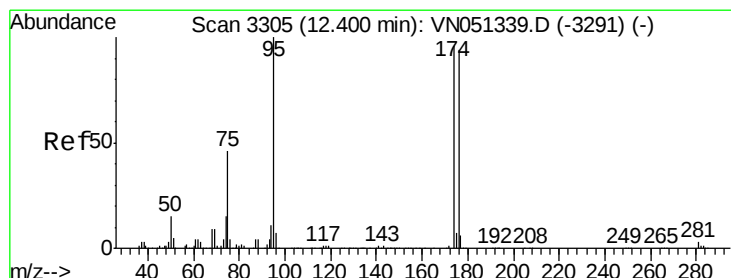
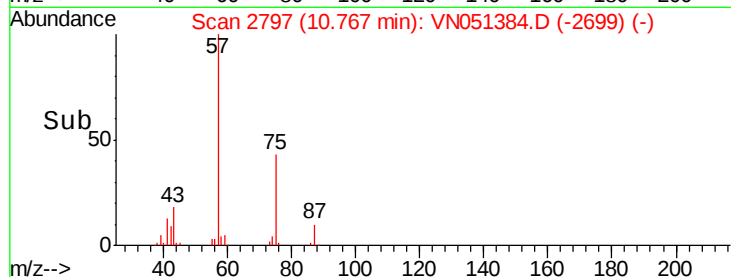
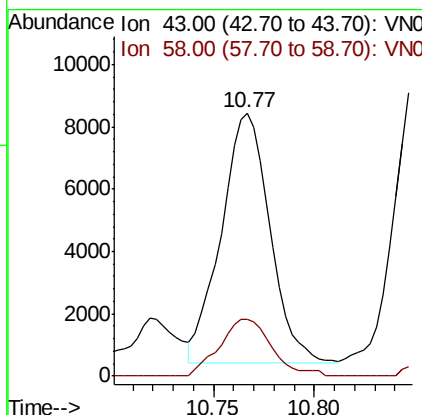
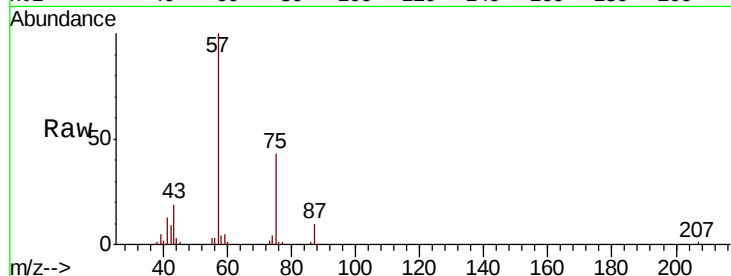
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 798.2 45.1 67.7#
39 171.1 23.4 35.2#





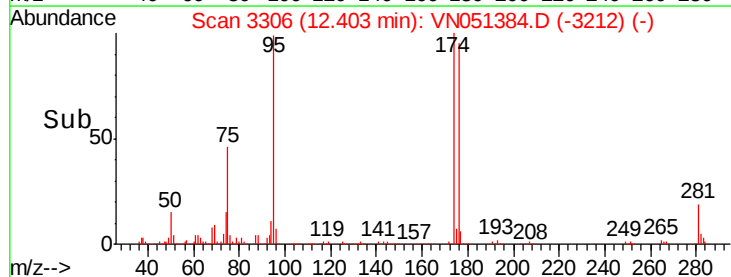
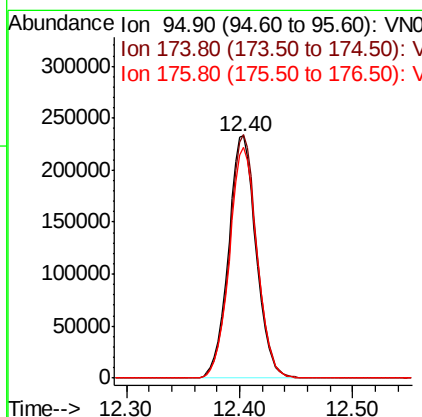
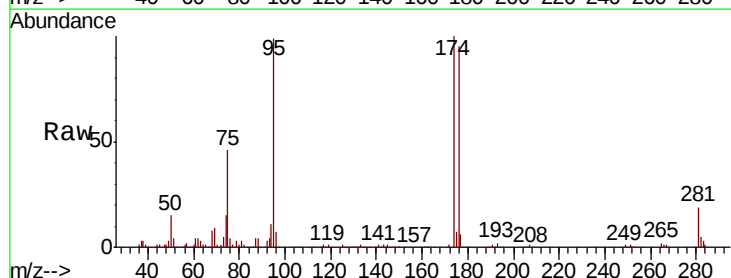
#59
2-Hexanone
Concen: 3.809 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

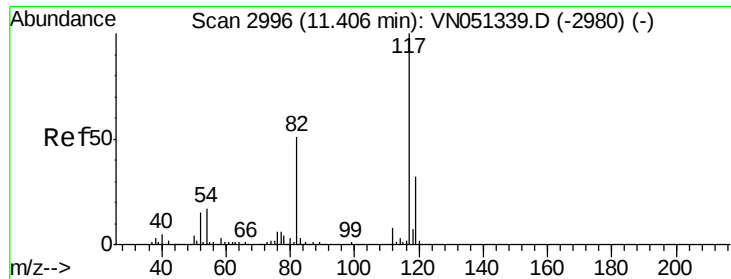
Tot Ion: 43 Resp: 13531
Ion Ratio Lower Upper
43 100
58 24.3 29.9 89.8#



#62
4-Bromofluorobenzene
Concen: 35.252 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

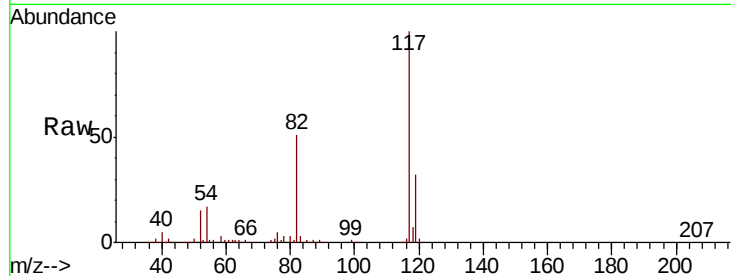
Tgt Ion: 95 Resp: 393542
Ion Ratio Lower Upper
95 100
174 100.3 0.0 194.6
176 95.6 0.0 189.6



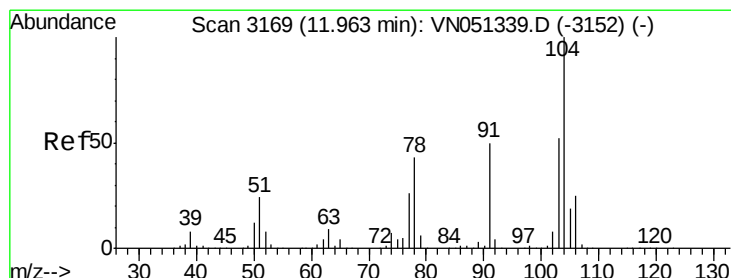
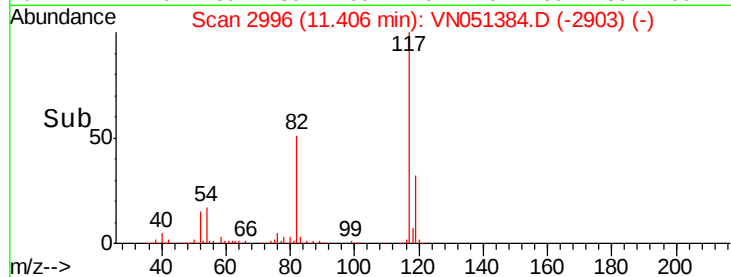
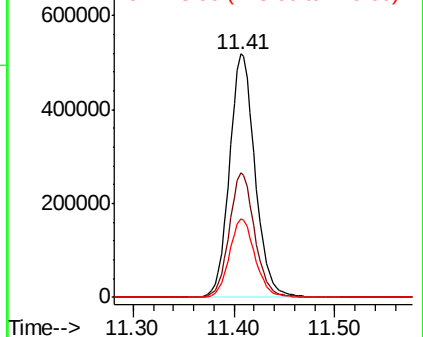


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

Tot Ion:117 Resp: 916557
Ion Ratio Lower Upper
117 100
82 51.0 40.7 61.1
119 32.2 25.3 37.9

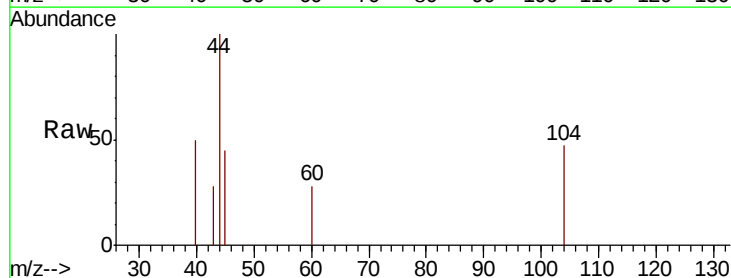


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

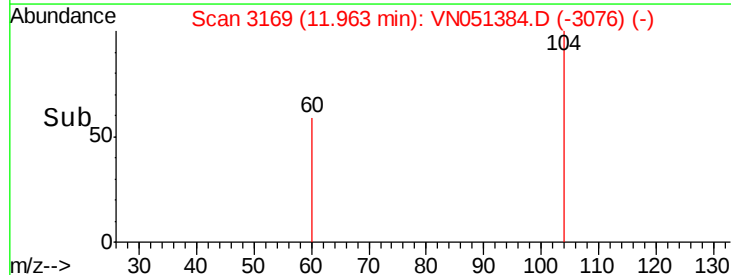
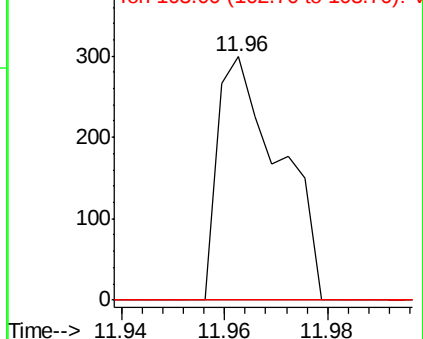


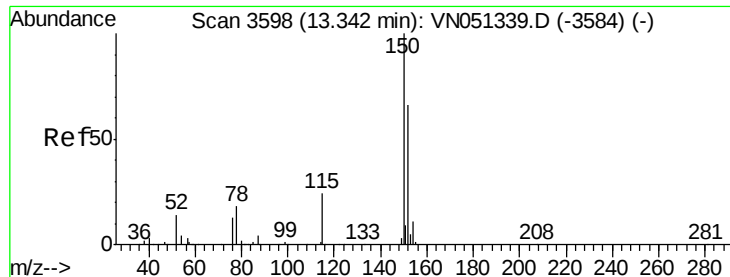
#70
Styrene
Concen: 0.904 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

Tgt Ion:104 Resp: 248
Ion Ratio Lower Upper
104 100
78 0.0 37.8 56.6#
103 0.0 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: 13.35 min Scan# 3599

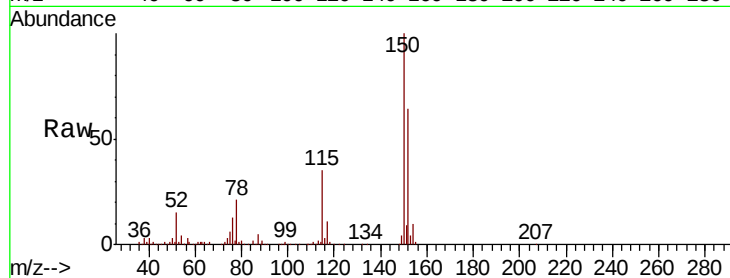
Delta R.T. 0.00 min

Lab File: VN051384.D

Acq: 21 Sep 2018 21:30

Tot Ion:152 Resp: 336817

Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.9	80.7
150	156.8	0.0	345.0

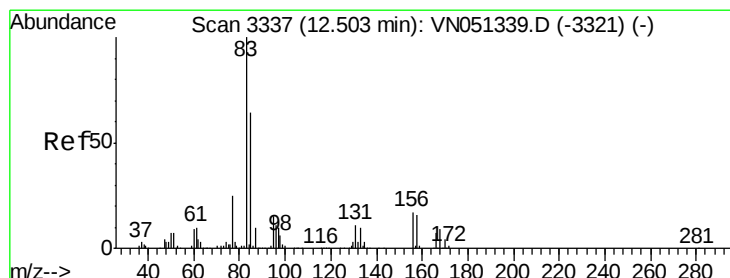
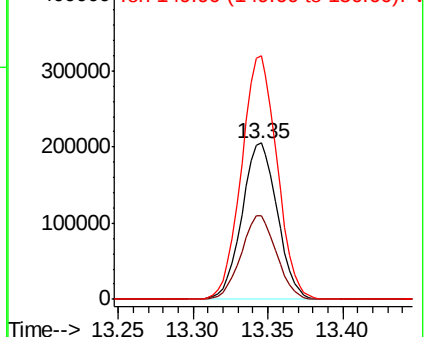
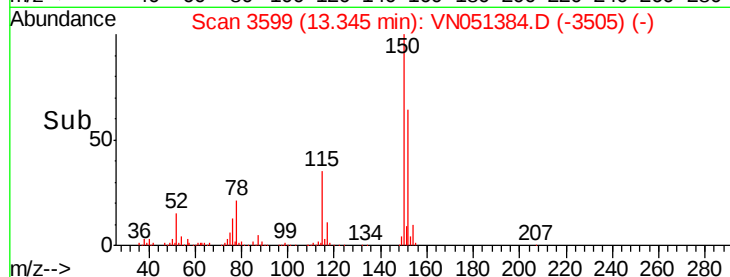


Abundance

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

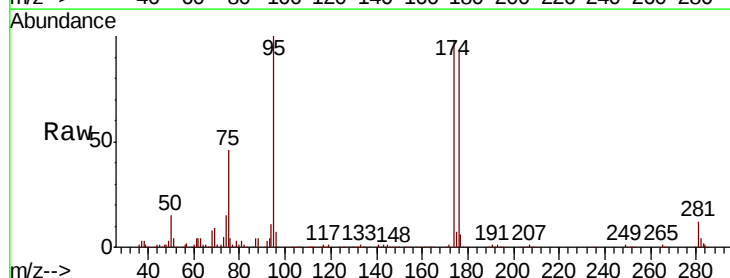
Delta R.T. -0.10 min

Lab File: VN051384.D

Acq: 21 Sep 2018 21:30

Tgt Ion: 83 Resp: 193

Ion	Ratio	Lower	Upper
83	100		
131	253.4	5.5	16.7#
85	0.0	32.3	96.9#

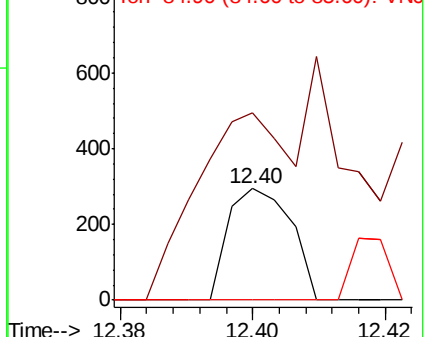
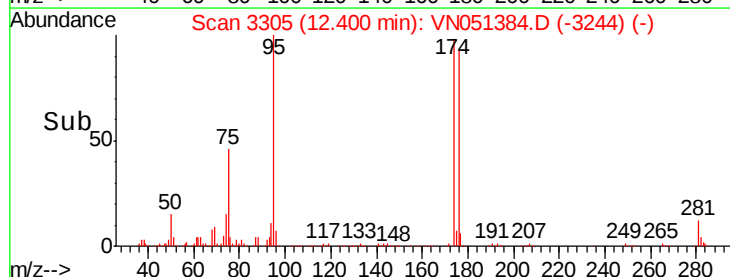


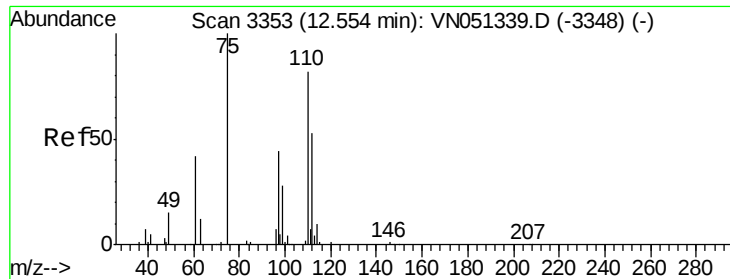
Abundance

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

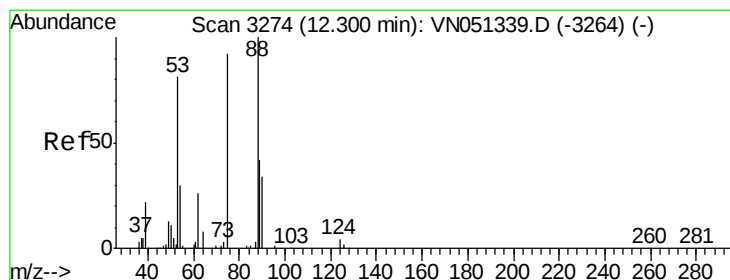
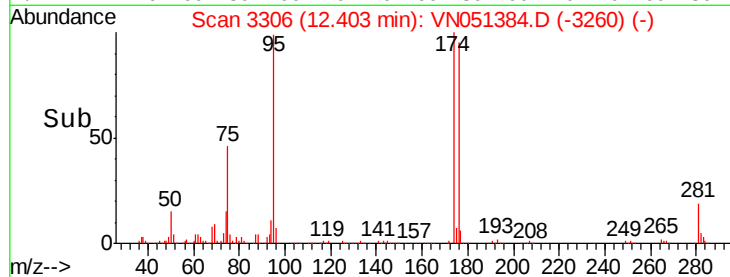
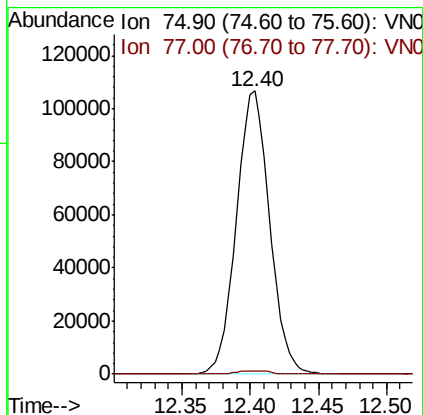
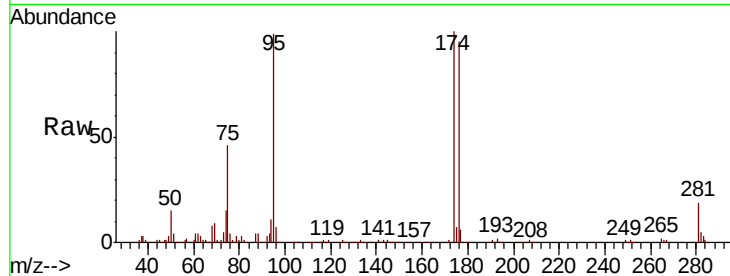




#76

1,2,3-Trichloropropane
 Concen: 40.105 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051384.D
 Acq: 21 Sep 2018 21:30

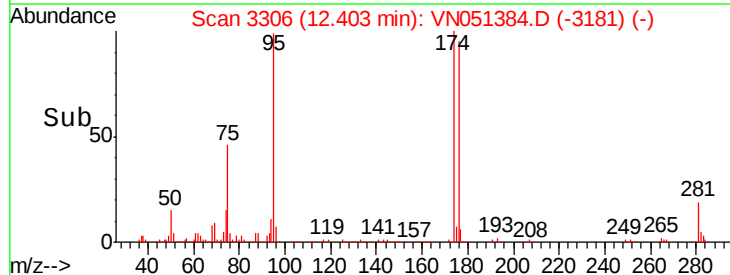
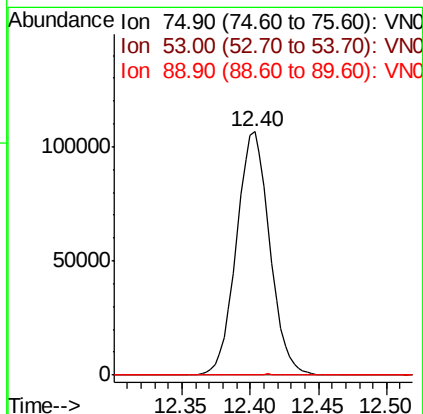
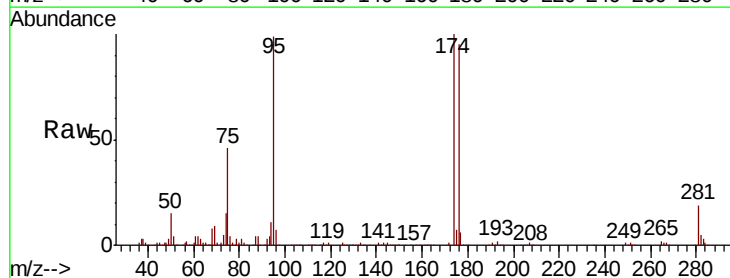
Tot Ion: 75 Resp: 180733
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

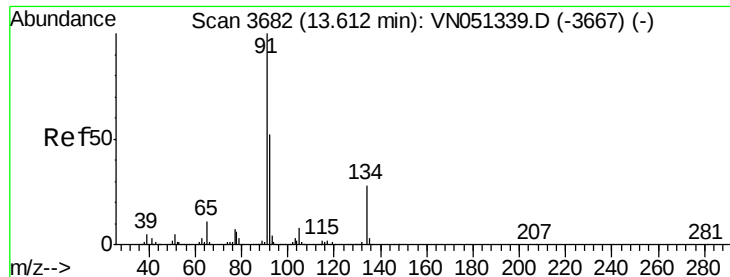


#81

trans-1,4-Dichloro-2-butene
 Concen: 120.304 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051384.D
 Acq: 21 Sep 2018 21:30

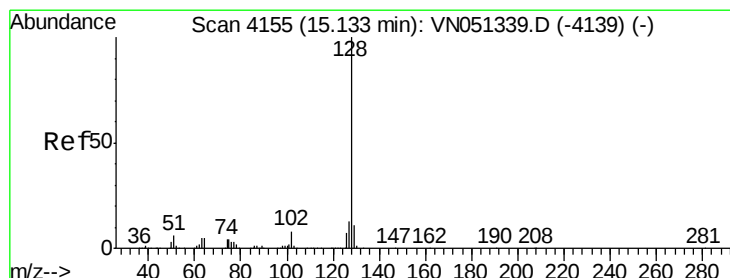
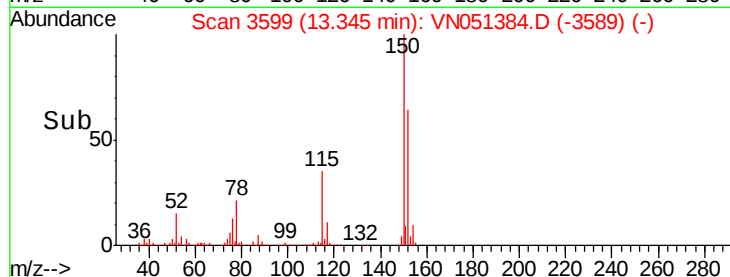
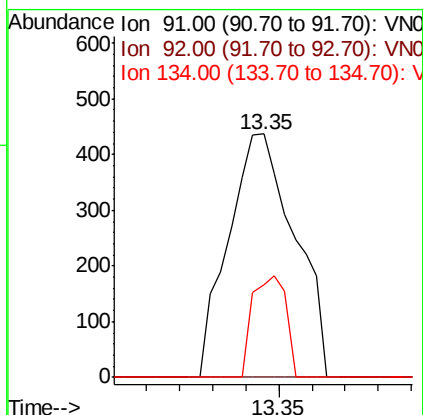
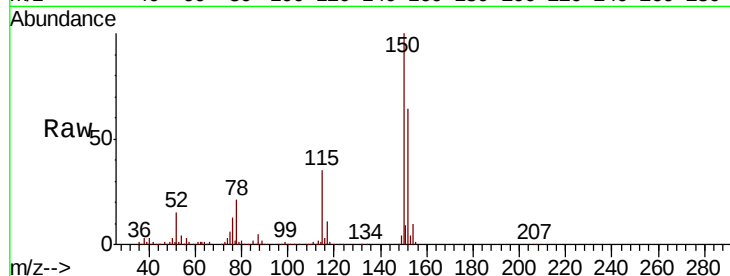
Tgt Ion: 75 Resp: 180733
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.9 104.9#
 89 0.4 37.9 56.9#





#89
n-Butylbenzene
Concen: 1.462 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.27 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

Tot Ion: 91 Resp: 609
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 20.9 14.1 42.4



#95
Naphthalene
Concen: 5.337 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051384.D
Acq: 21 Sep 2018 21:30

Tgt Ion: 128 Resp: 79
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

