

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051699.D
 Acq On : 5 Oct 2018 20:46
 Operator : MD\SY
 Sample : J5084-10
 Misc : 5.85µ/5.00mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 29 Sample Multiplier: 28

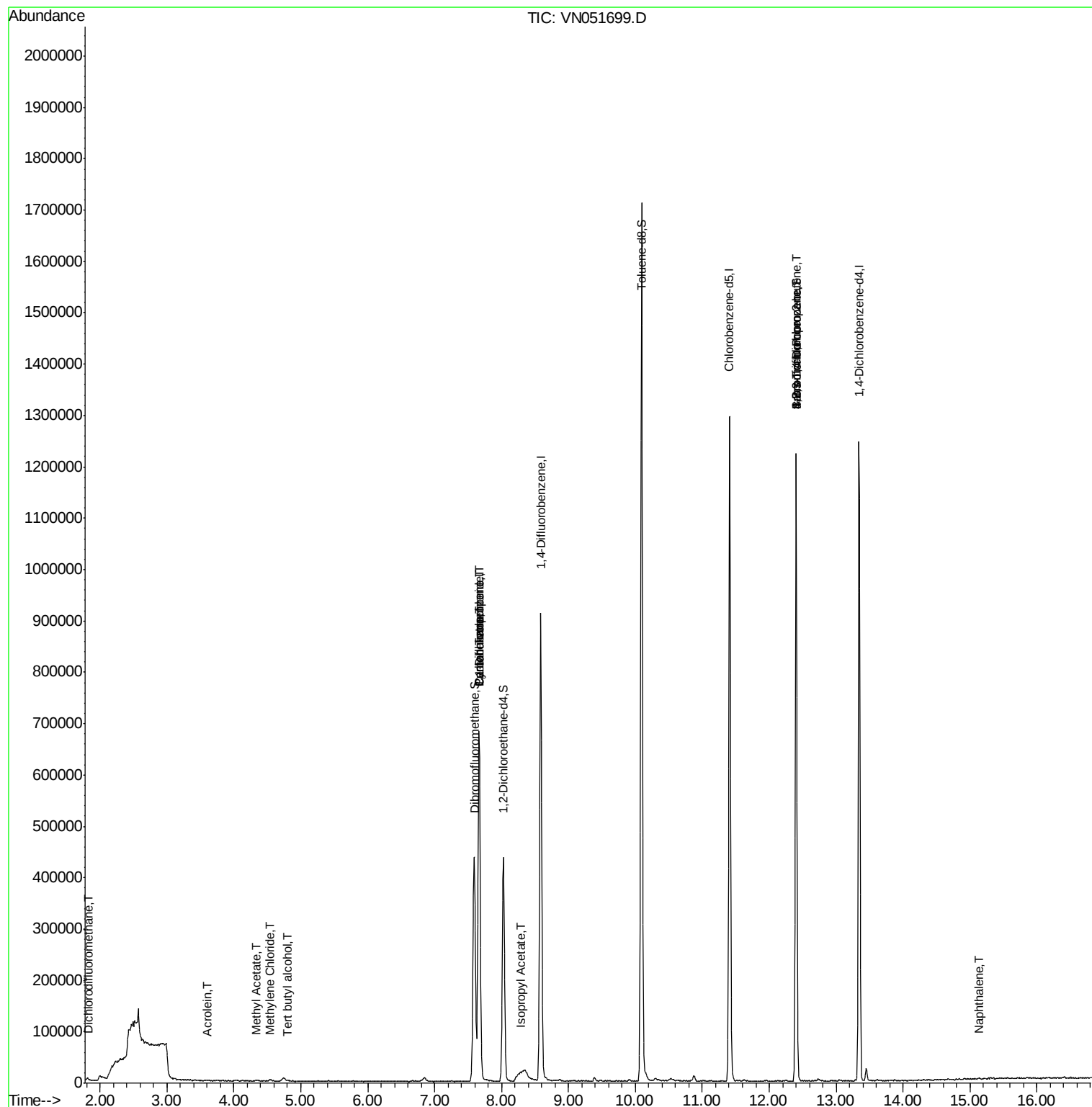
Quant Time: Oct 06 01:21:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

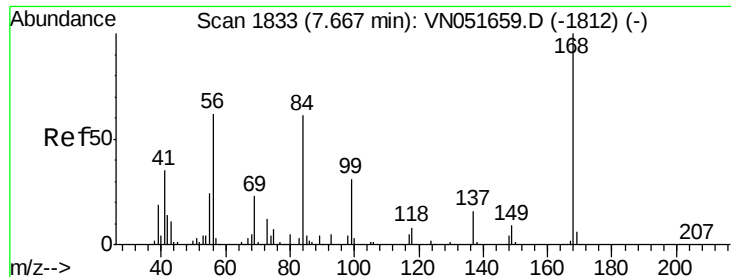
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	590335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	861138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340288	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	358153	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
35) Dibromofluoromethane	7.59	113	324493	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.09	98	1209107	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	368048	41.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	67	1.158	ug/l #	42
7) Trichlorofluoromethane	2.97	101	255	Below Cal	#	18
11) Tert butyl alcohol	4.82	59	171	0.323	ug/l #	73
13) Acrolein	3.61	56	197	0.595	ug/l #	49
16) Acetone	3.84	43	1213	Below Cal	#	44
18) Methyl Acetate	4.34	43	2993	0.695	ug/l #	71
20) Methylene Chloride	4.55	84	1899	0.296	ug/l #	91
31) Cyclohexane	7.67	56	12323	1.164	ug/l #	32
36) 1,1-Dichloropropene	7.66	75	40568	4.507	ug/l #	49
38) Carbon Tetrachloride	7.67	117	53004	4.907	ug/l #	16
41) Methacrylonitrile	7.17	41	127	Below Cal	#	1
43) Isopropyl Acetate	8.28	43	21411	2.188	ug/l #	59
71) Bromoform	12.40	173	3218	0.571	ug/l #	1
74) N-amyl acetate	12.08	43	139	Below Cal	#	53
75) 1,1,2,2-Tetrachloroethane	12.51	83	94	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	202897	47.807	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	202897	109.603	ug/l #	14
95) Naphthalene	15.14	128	2464	0.209	ug/l #	84

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051699.D

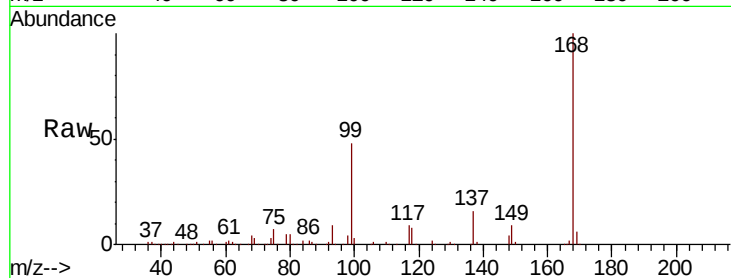
Acq: 5 Oct 2018 20:46

Tot Ion:168 Resp: 590335

Ion Ratio Lower Upper

168 100

99 48.3 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

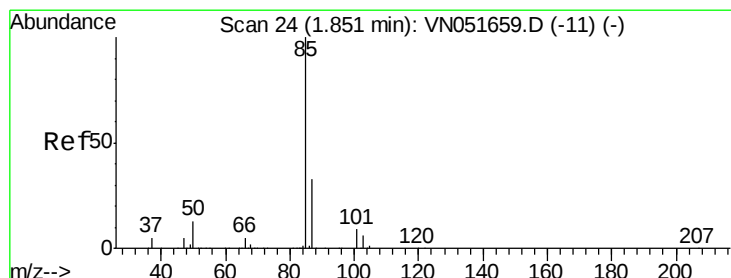
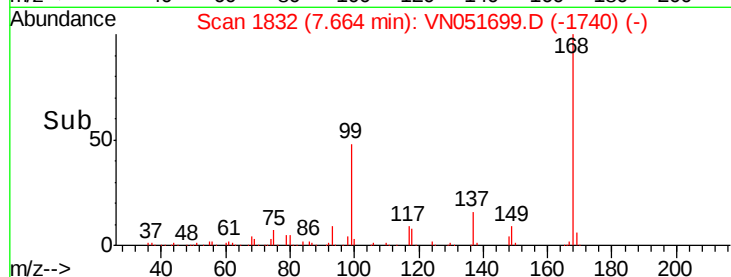
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.158 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.02 min

Lab File: VN051699.D

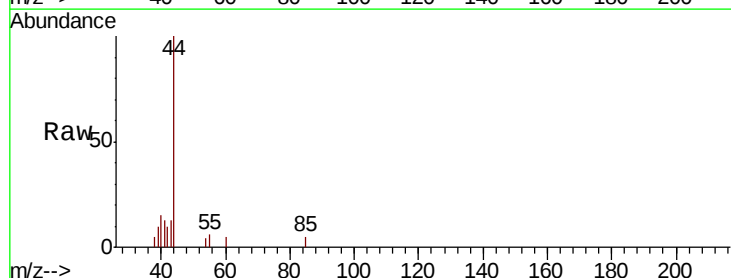
Acq: 5 Oct 2018 20:46

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200

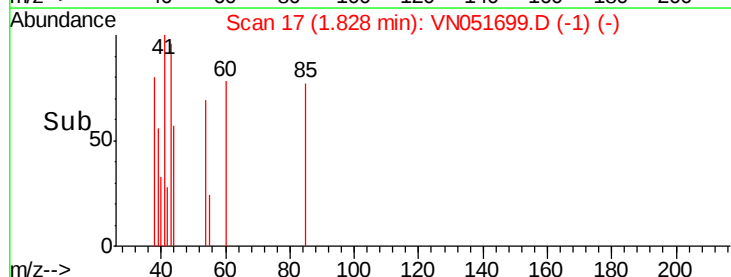
150

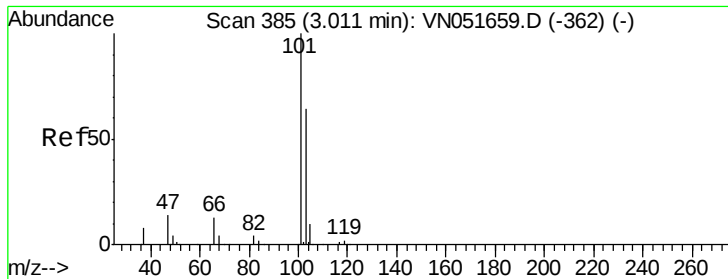
100

50

0

Time-->

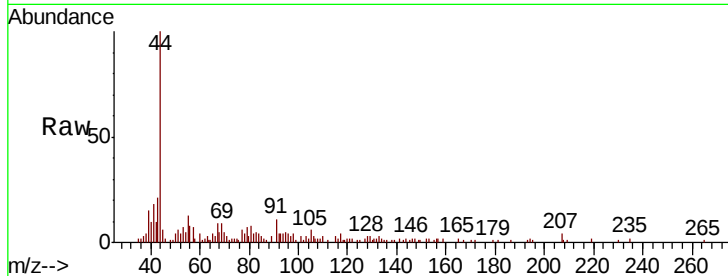




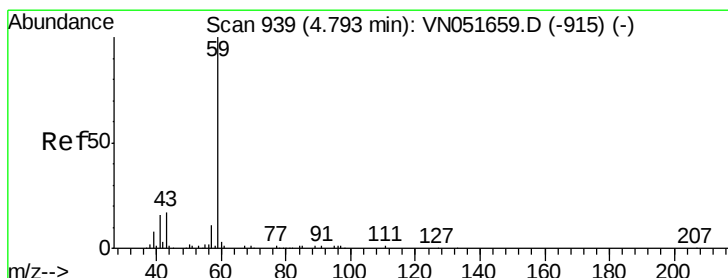
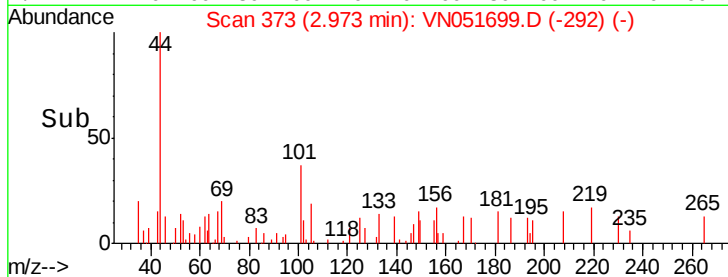
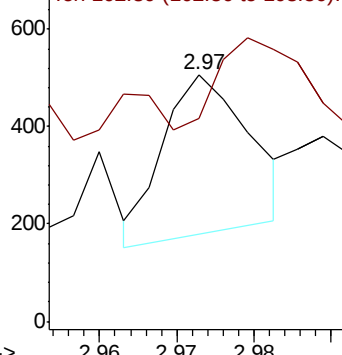
#7

Trichlorofluoromethane
Concen: Below Cal
RT: 2.97 min Scan# 373
Delta R.T. -0.04 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tot Ion	Ratio	Lower	Upper
101	100		
103	0.0	51.1	76.7#



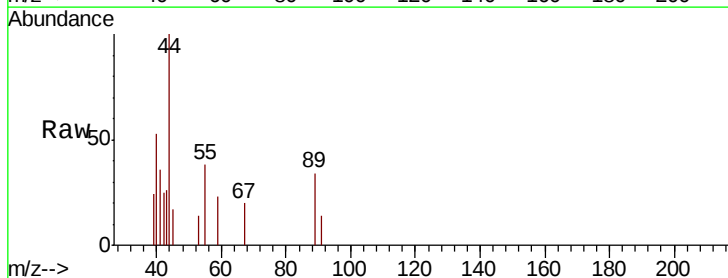
Abundance Ion 100.90 (100.60 to 101.60): V



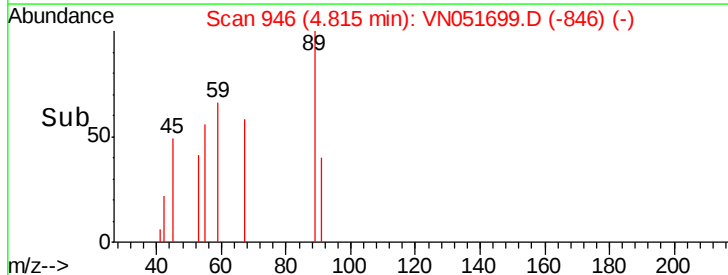
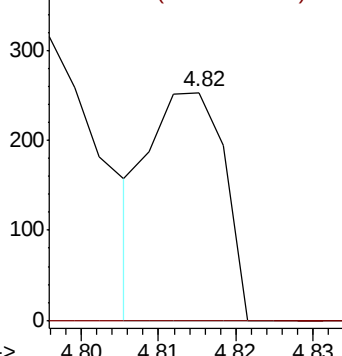
#11

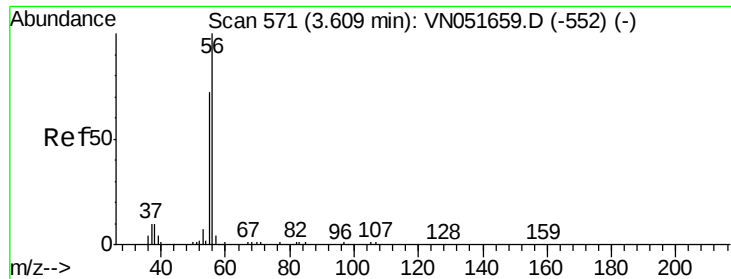
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.02 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



Abundance Ion 59.00 (58.70 to 59.70): V





#13

Acrolein

Concen: 0.595 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051699.D

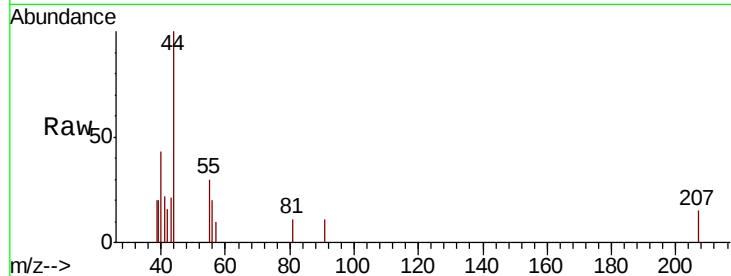
Acq: 5 Oct 2018 20:46

Tot Ion: 56 Resp: 197

Ion Ratio Lower Upper

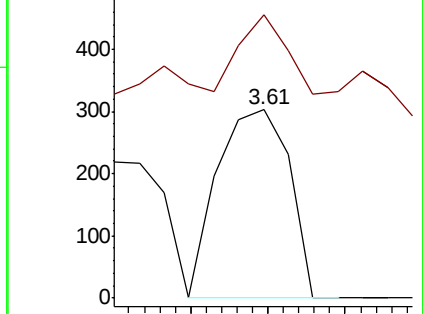
56 100

55 29.4 57.5 86.3#

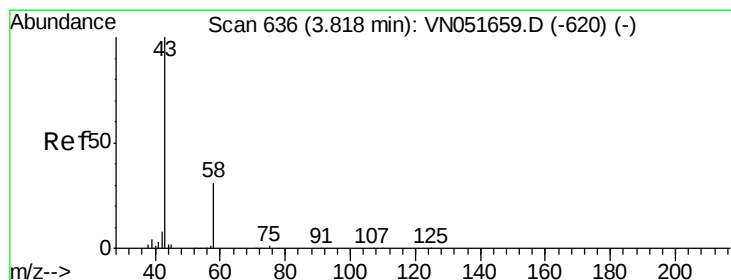
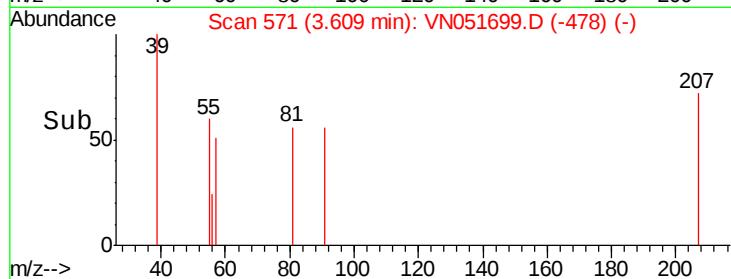


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN051699.D

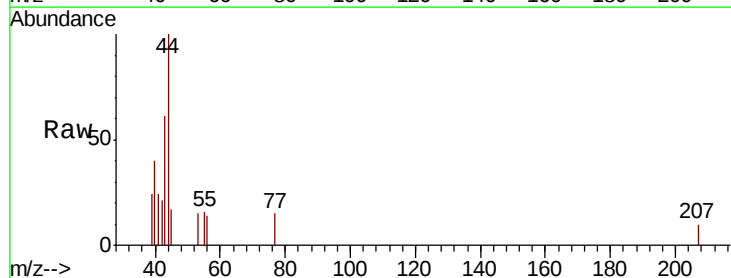
Acq: 5 Oct 2018 20:46

Tgt Ion: 43 Resp: 1213

Ion Ratio Lower Upper

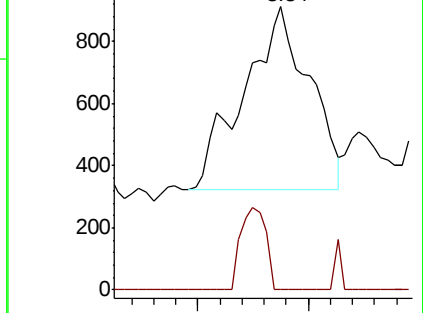
43 100

58 0.0 24.3 36.5#

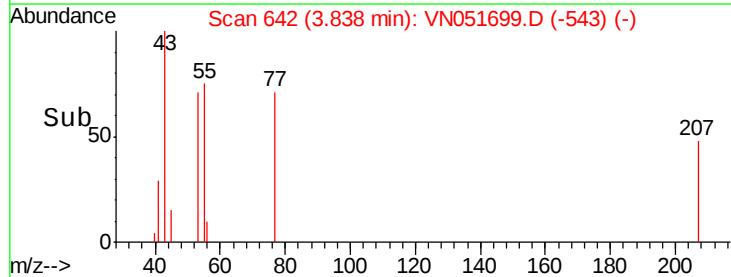


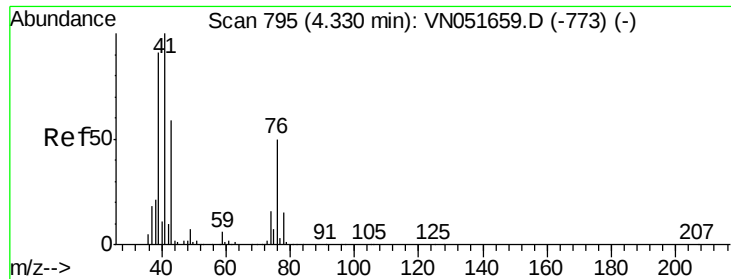
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



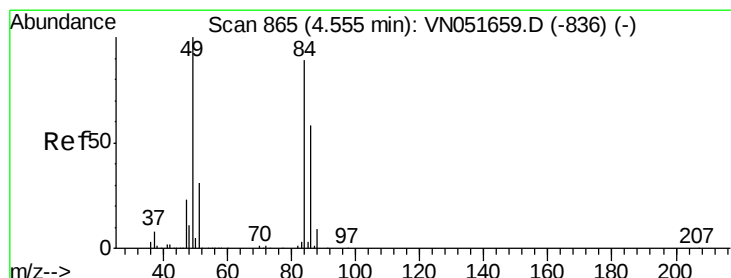
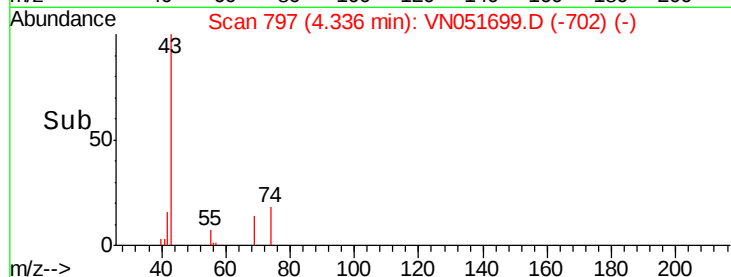
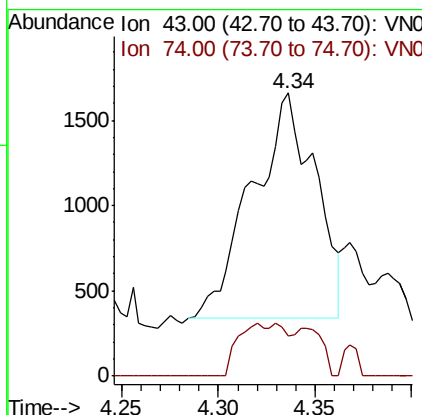
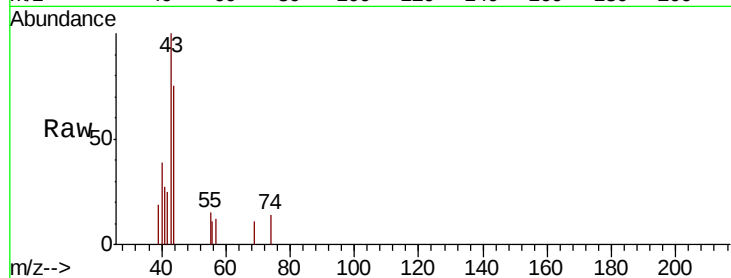
Time-->





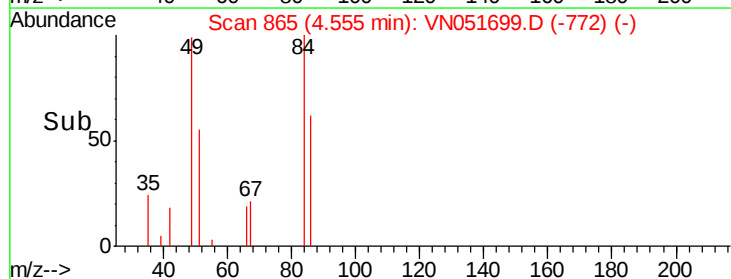
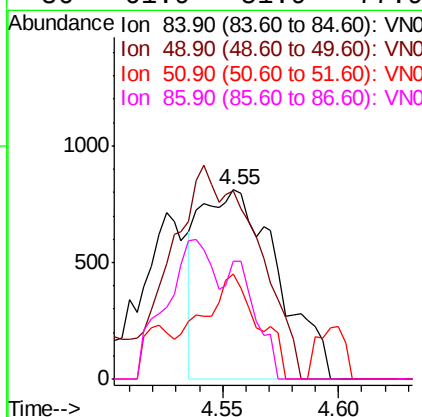
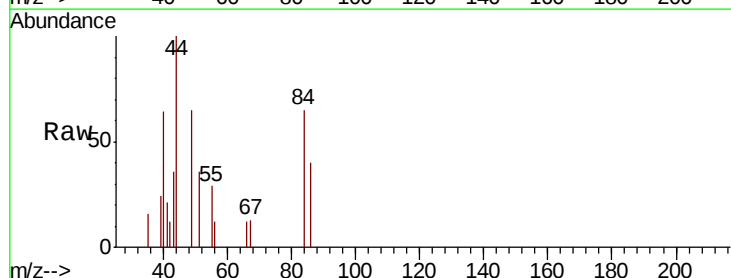
#18
Methvl Acetate
Concen: 0.695 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

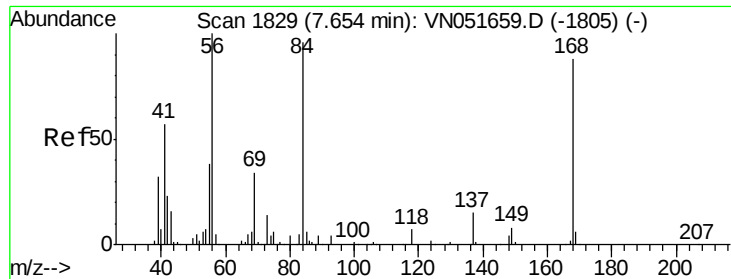
Tot Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
74 11.8 21.5 32.3#



#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tgt Ion: 84 Resp: 1899
Ion Ratio Lower Upper
84 100
49 99.1 89.5 134.3
51 27.3 27.4 41.0#
86 61.9 51.9 77.9





#31

Cvclohexane

Concen: 1.164 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

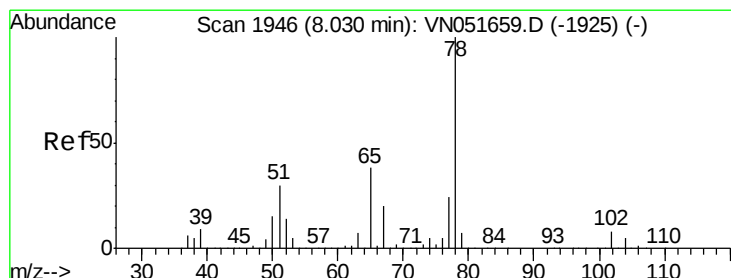
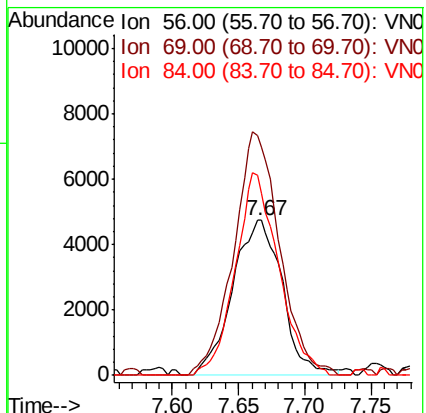
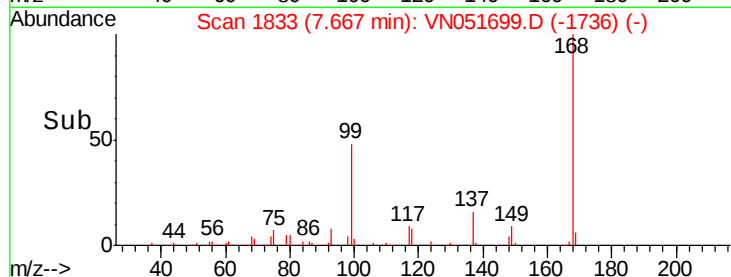
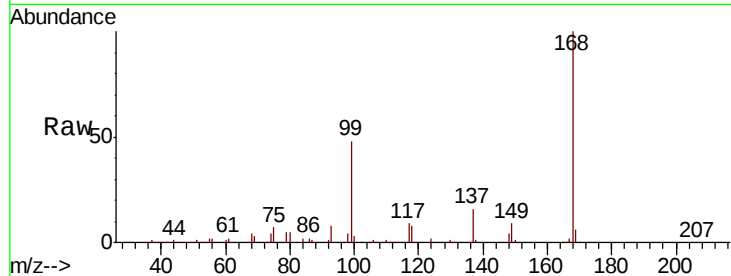
Tot Ion: 56 Resp: 12323

Ion Ratio Lower Upper

56 100

69 146.9 27.5 41.3#

84 117.3 76.7 115.1#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051699.D

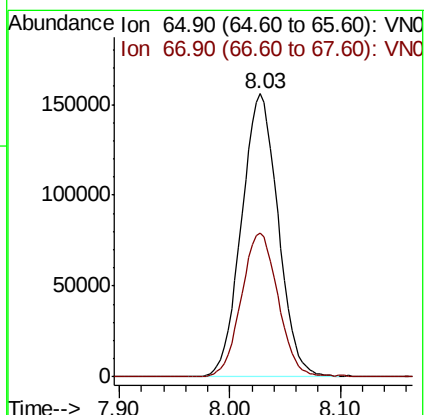
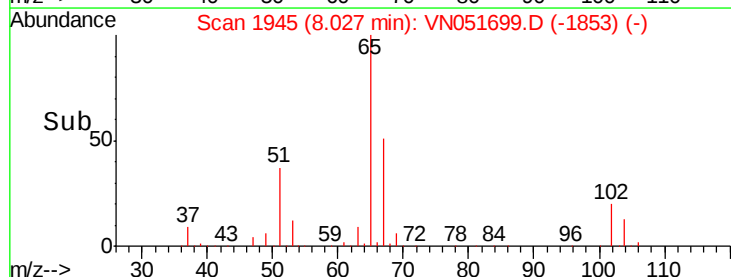
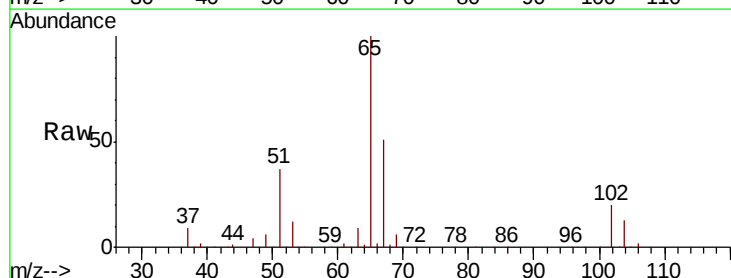
Acq: 5 Oct 2018 20:46

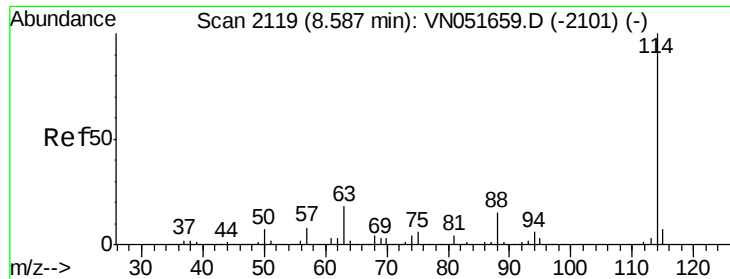
Tgt Ion: 65 Resp: 358153

Ion Ratio Lower Upper

65 100

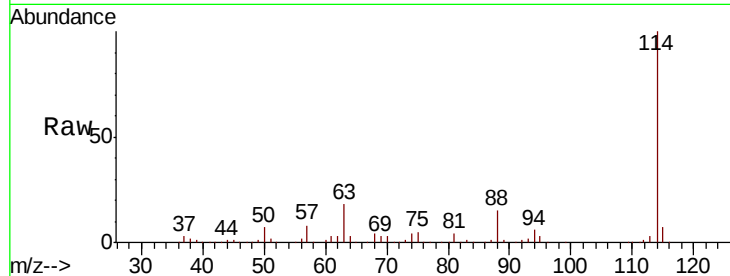
67 51.0 0.0 103.6



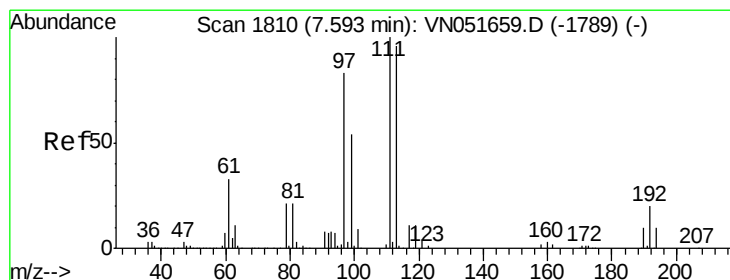
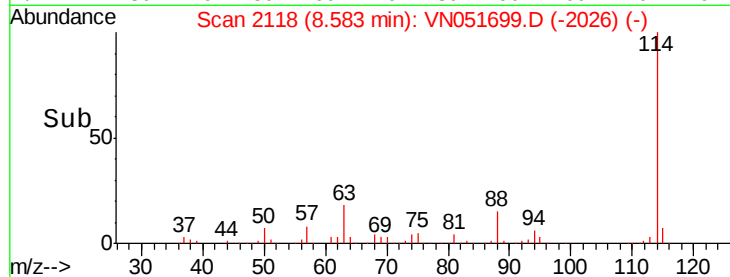
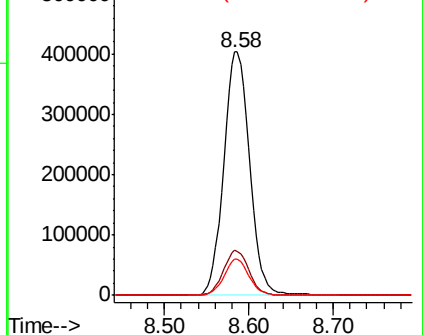


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051699.D
 Acq: 5 Oct 2018 20:46

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	36.2
88	15.0	0.0	30.2

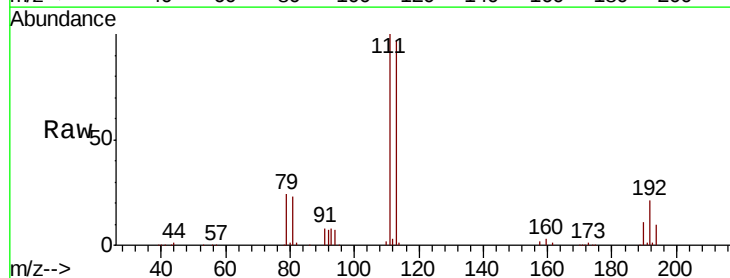


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

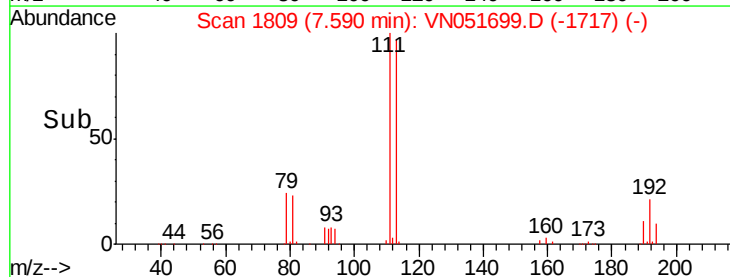
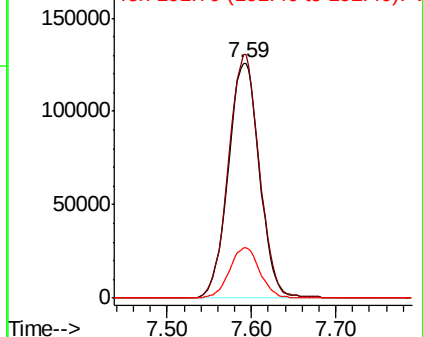


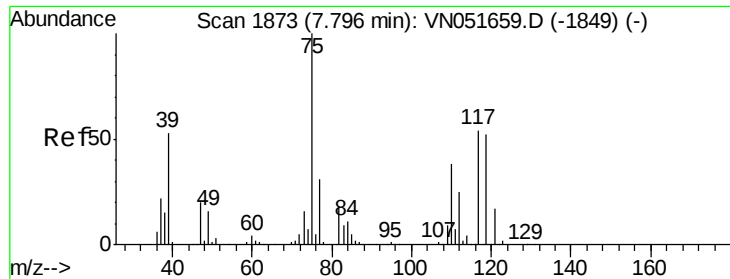
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051699.D
 Acq: 5 Oct 2018 20:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	20.9	16.5	24.7



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: 4.507 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

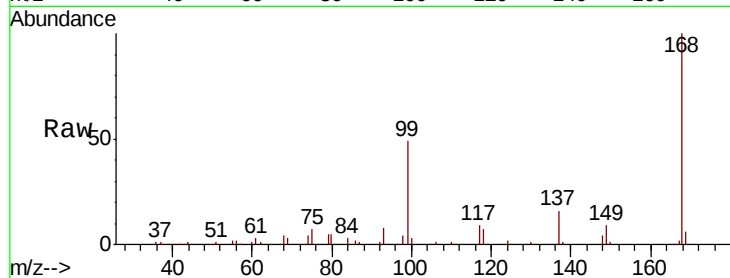
Tot Ion: 75 Resp: 40568

Ion Ratio Lower Upper

75 100

110 9.9 19.3 57.8#

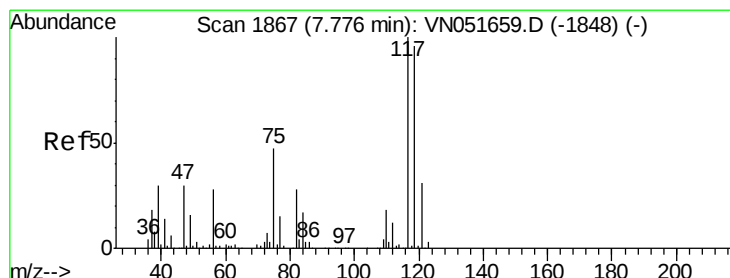
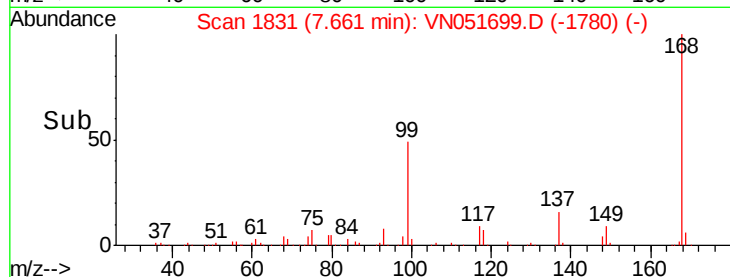
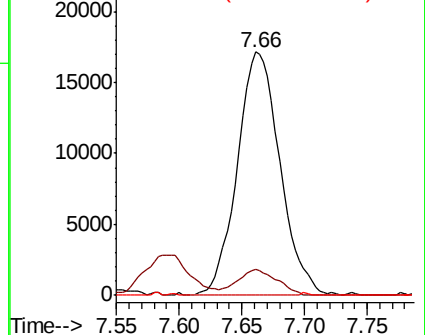
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051699.D (-1780) (-)

Ion 109.90 (109.60 to 110.60): VN051699.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN051699.D (-1780) (-)



#38

Carbon Tetrachloride

Concen: 4.907 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

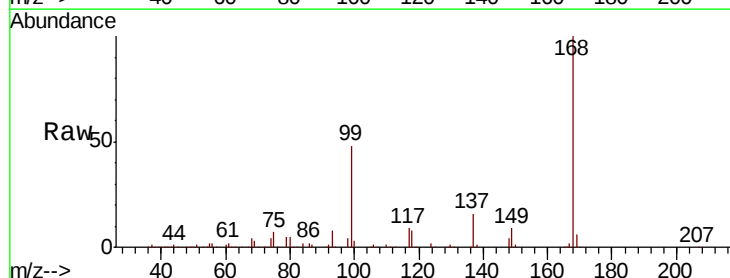
Tgt Ion: 117 Resp: 53004

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

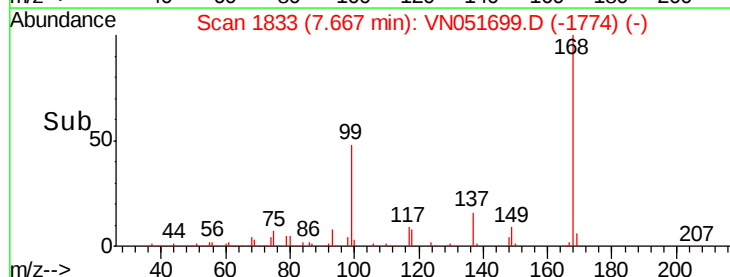
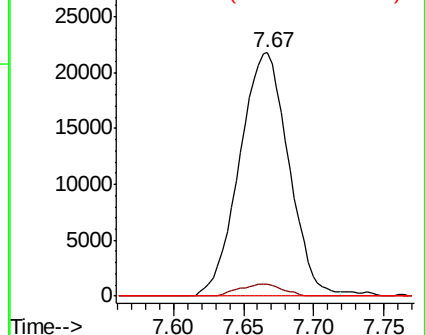
121 0.0 25.0 37.6#

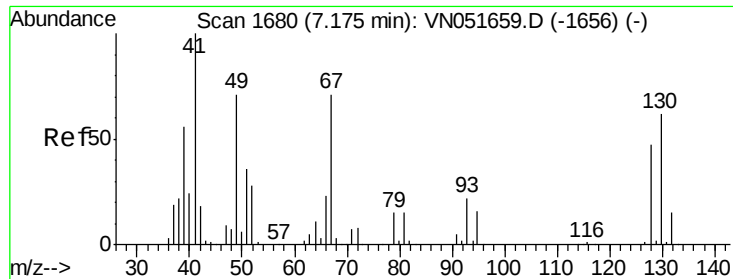


Abundance Ion 116.80 (116.50 to 117.50): VN051699.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN051699.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN051699.D (-1774) (-)





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.17 min Scan# 1677

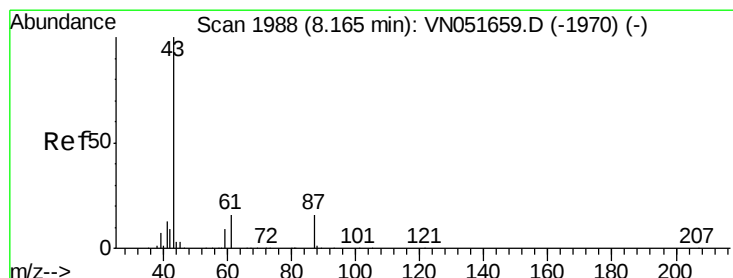
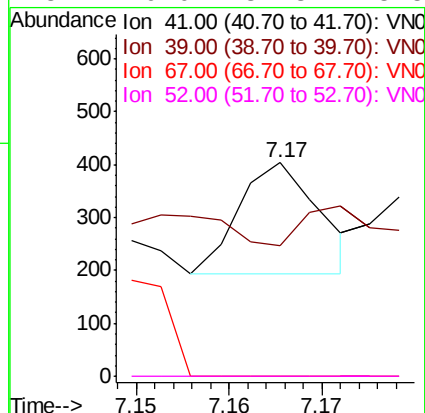
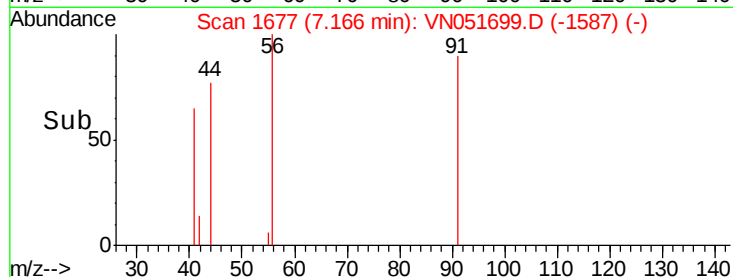
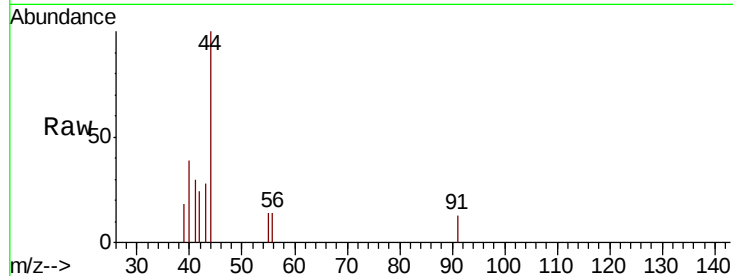
Delta R.T. -0.01 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

Tot Ion: 41 Resp: 127

Ion	Ratio	Lower	Upper
41	100		
39	167.7	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#



#43

Isopropyl Acetate

Concen: 2.188 ug/l

RT: 8.28 min Scan# 2024

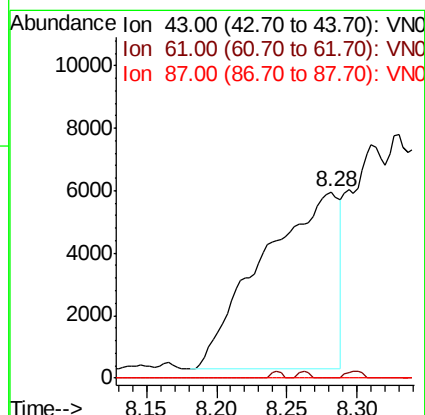
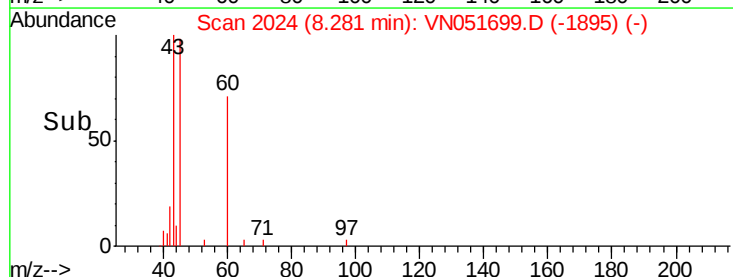
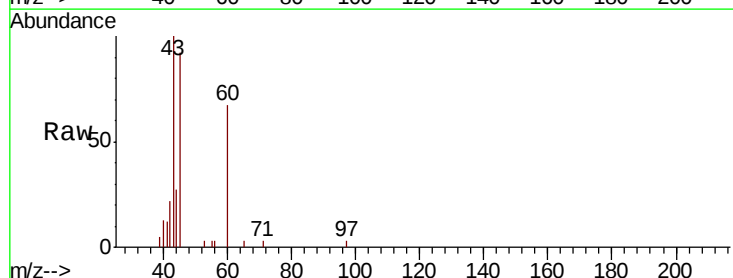
Delta R.T. 0.12 min

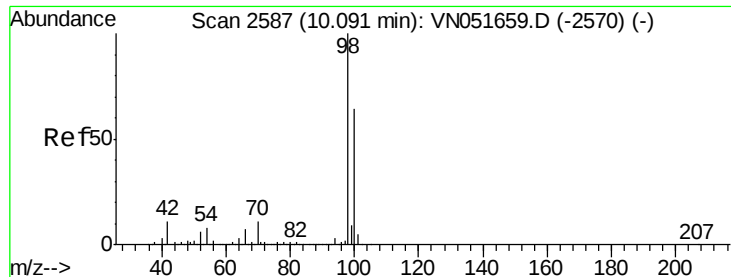
Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

Tgt Ion: 43 Resp: 21411

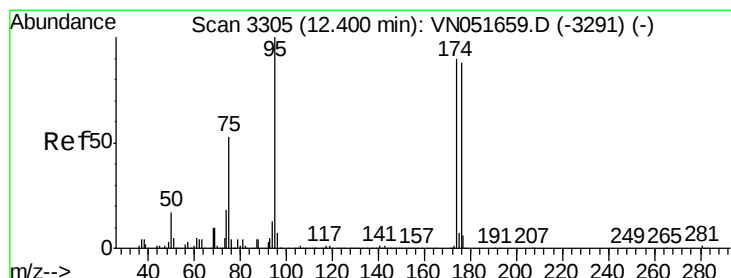
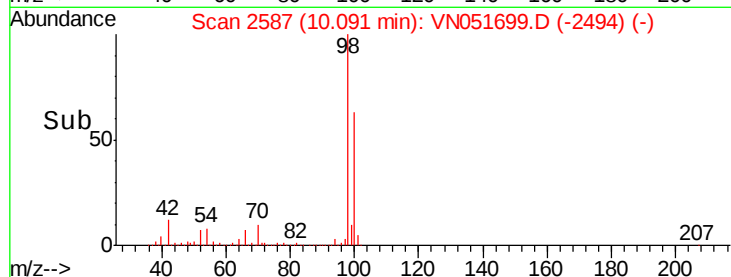
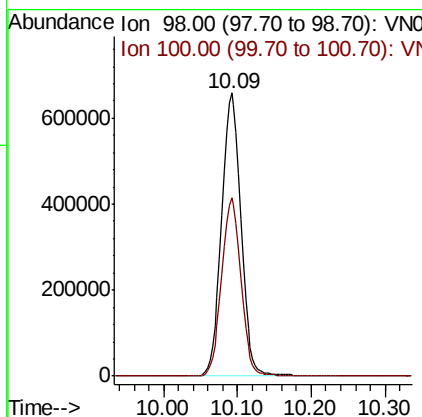
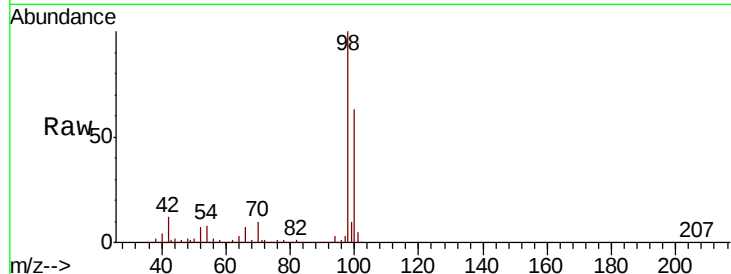
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.8	23.6#
87	0.0	12.6	19.0#





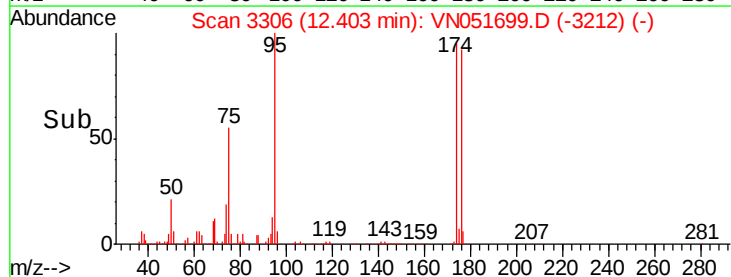
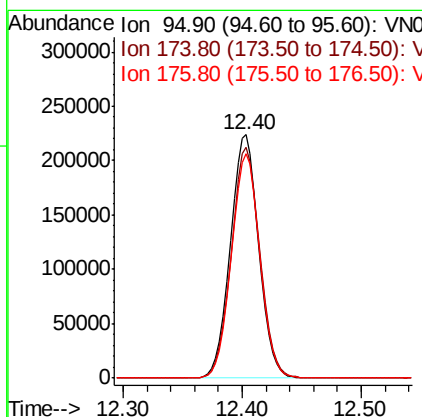
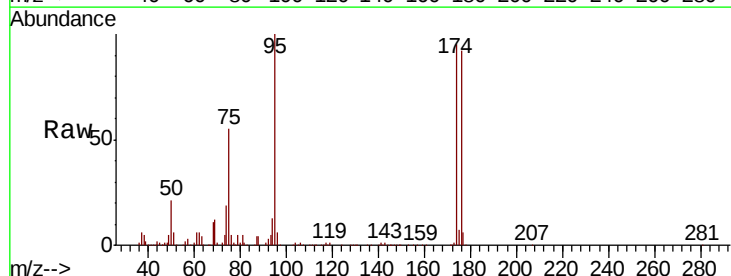
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

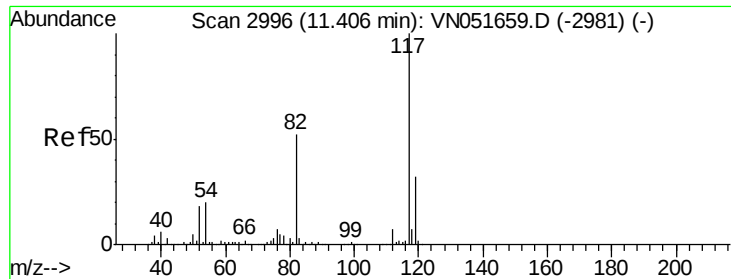
Tot Ion: 98 Resp: 1209107
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

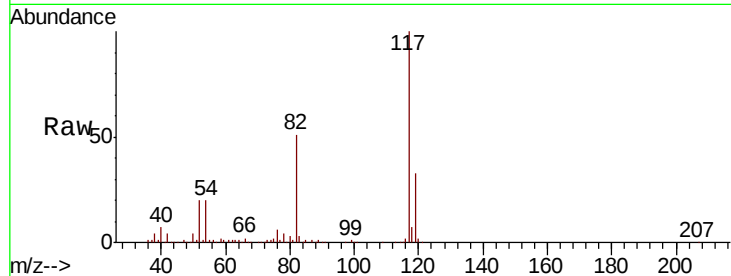
Tgt Ion: 95 Resp: 368048
Ion Ratio Lower Upper
95 100
174 95.5 0.0 182.8
176 92.4 0.0 176.4



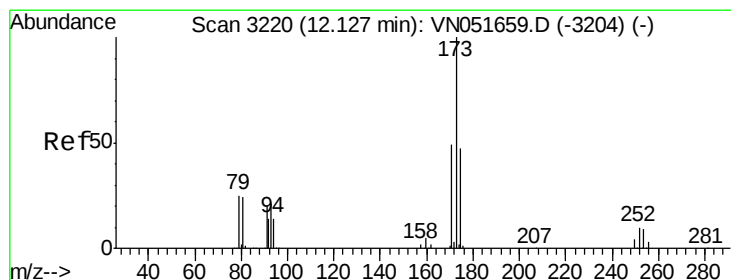
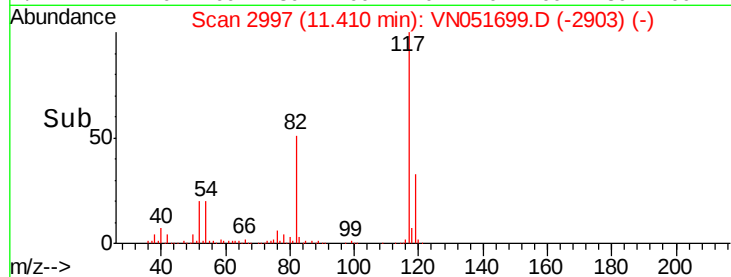
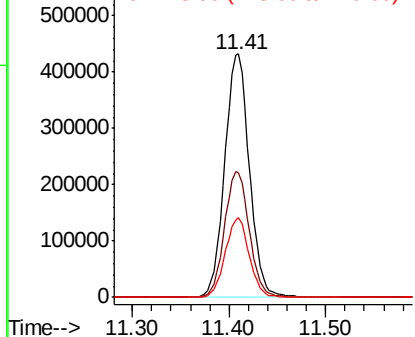


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.3	61.9
119	32.7	25.9	38.9

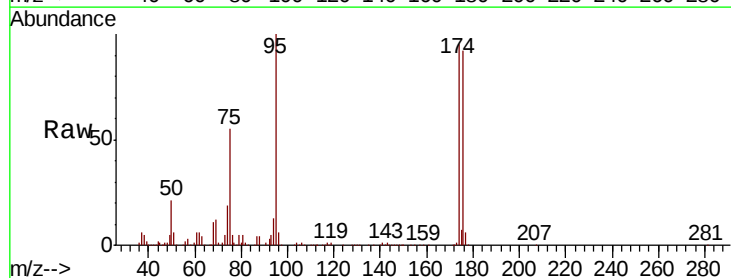


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

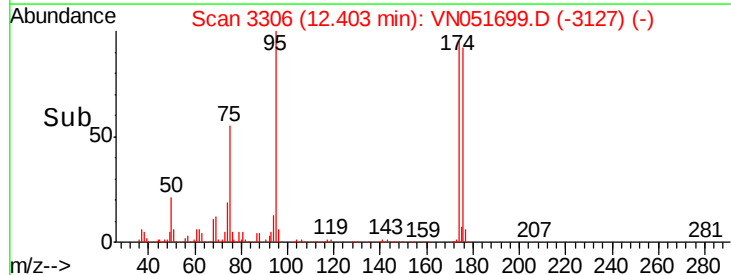
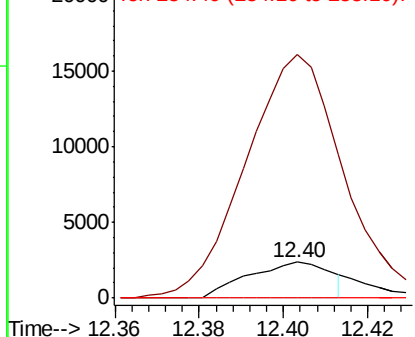


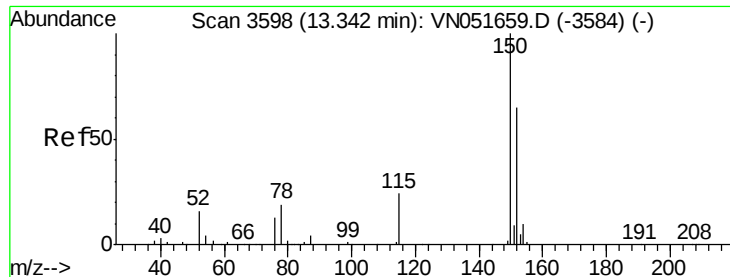
#71
Bromoform
Concen: 0.571 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	691.7	24.0	72.0#
254	0.0	0.1	0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

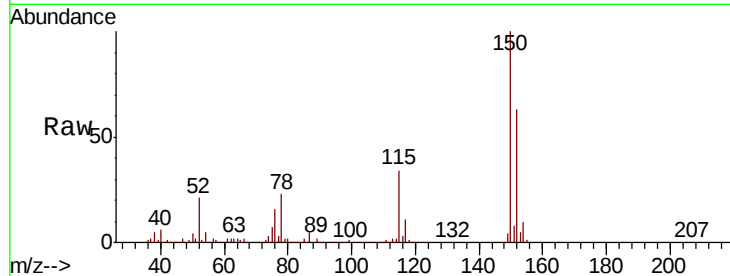




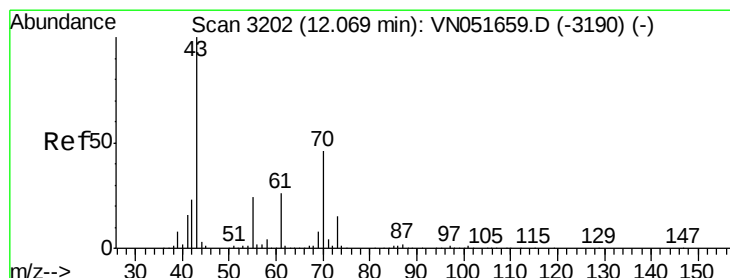
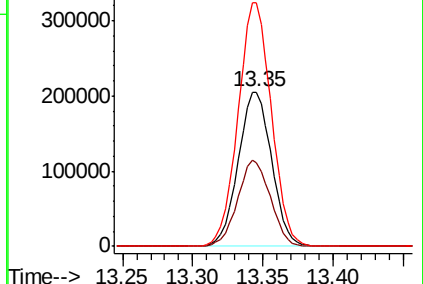
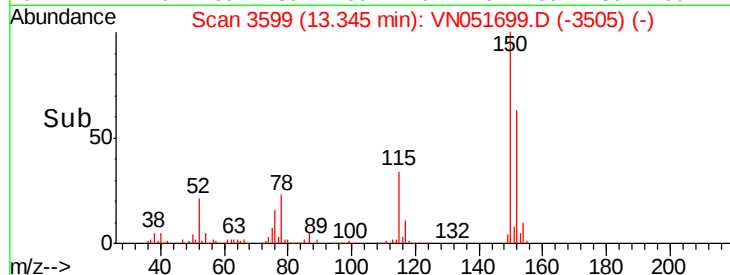
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.6	85.8
150	157.2	0.0	352.4



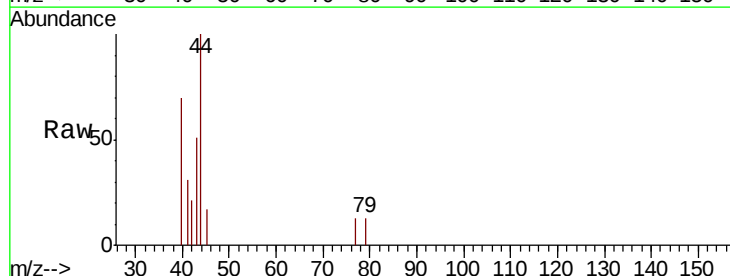
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



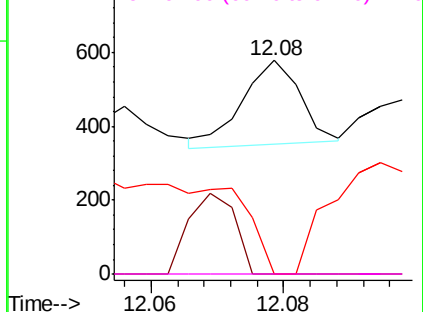
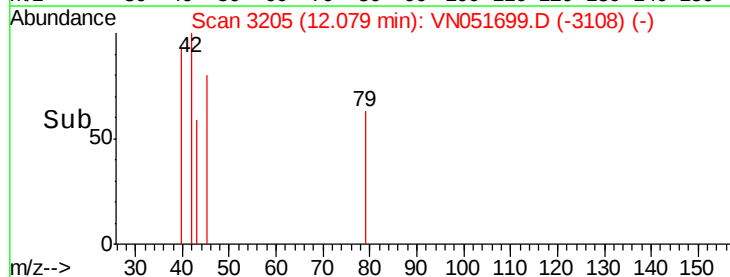
#74

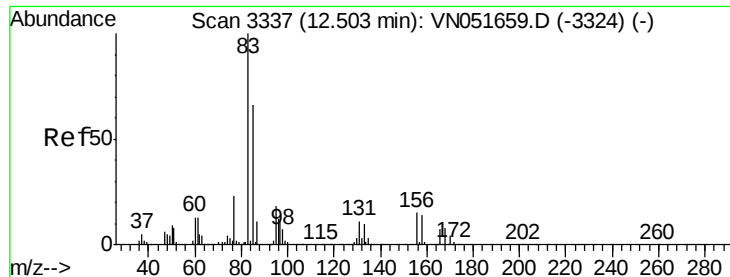
N-ethyl acetate
Concen: Below Cal
RT: 12.08 min Scan# 3205
Delta R.T. 0.01 min
Lab File: VN051699.D
Acq: 5 Oct 2018 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	76.3	37.1	55.7#
55	0.0	19.1	28.7#
61	0.0	20.8	31.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

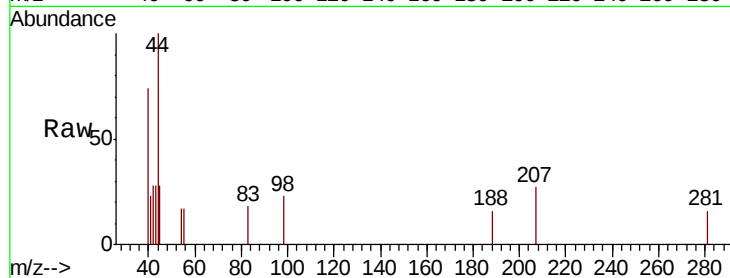
RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

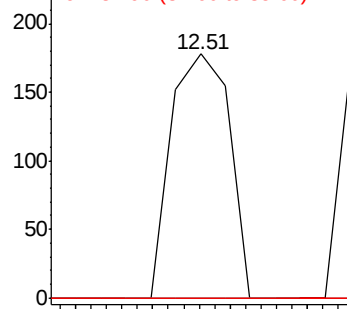
Tot Ion	83	Resp	94
Ion Ratio	100		
Lower			
Upper			
83	100		
131	0.0	5.7	17.1#
85	0.0	33.0	98.9#



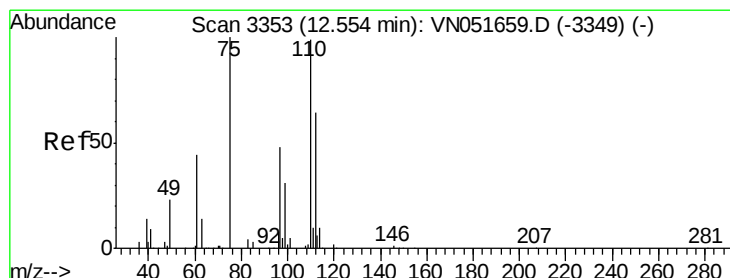
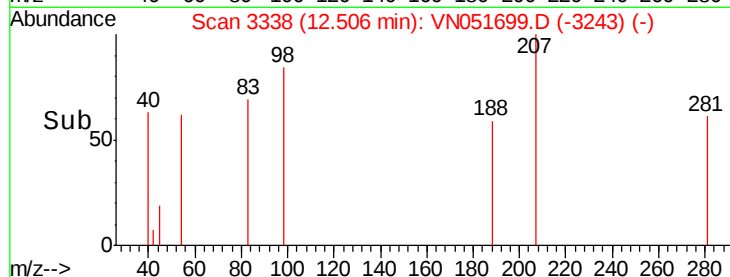
Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN051659.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN051659.D (-3324) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 47.807 ug/l

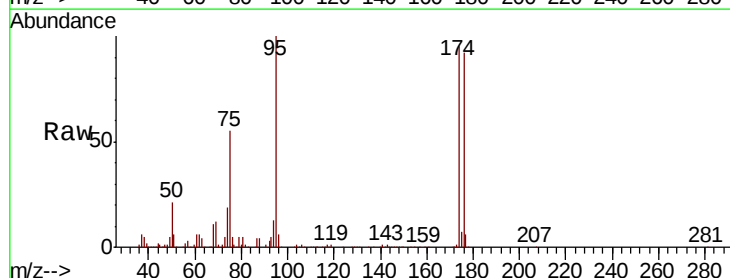
RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051699.D

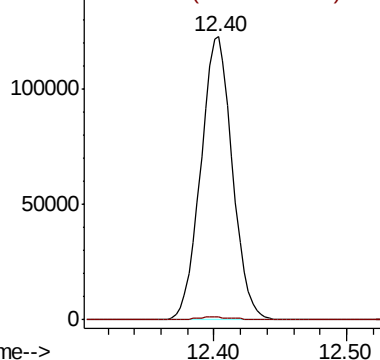
Acq: 5 Oct 2018 20:46

Tgt Ion	75	Resp	202897
Ion Ratio	100		
Lower			
Upper			
75	100		
77	1.2	0.0	0.0#

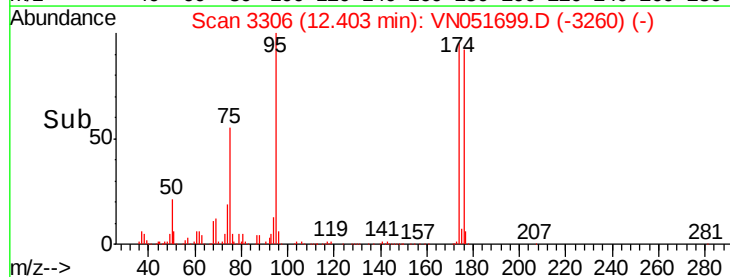


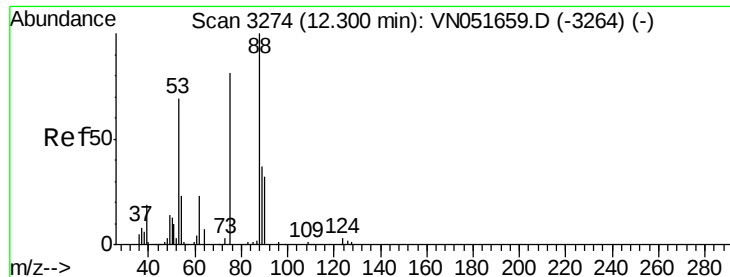
Abundance Ion 74.90 (74.60 to 75.60): VN051659.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051659.D (-3349) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 109.603 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

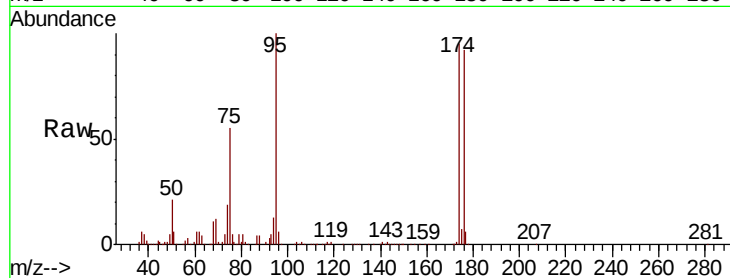
Tot Ion: 75 Resp: 202897

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

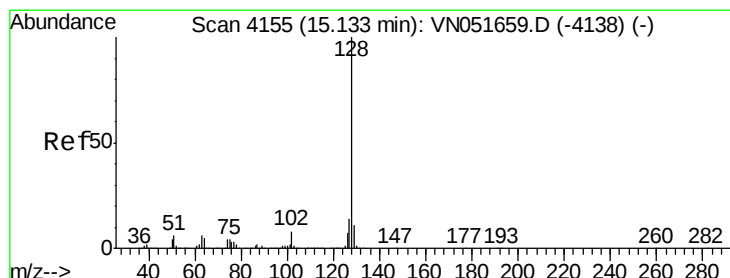
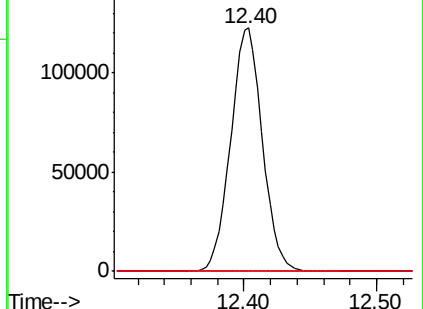
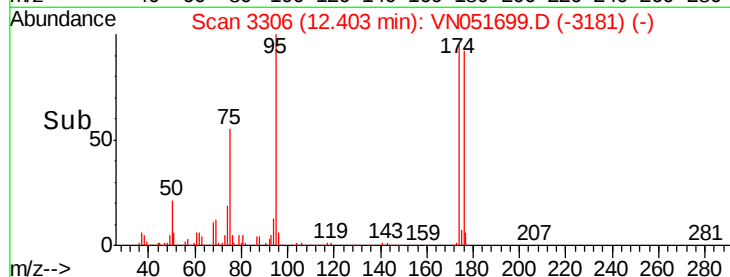
89 0.1 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VN051699.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051699.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051699.D (-3181) (-)



#95

Naphthalene

Concen: 0.209 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051699.D

Acq: 5 Oct 2018 20:46

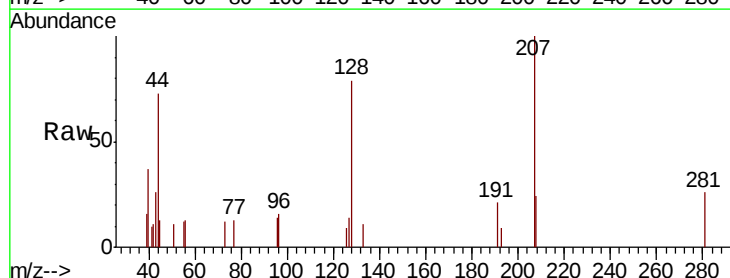
Tgt Ion: 128 Resp: 2464

Ion Ratio Lower Upper

128 100

127 11.2 10.6 15.8

129 0.0 9.0 13.6#



Abundance Ion 128.00 (127.70 to 128.70): VN051699.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN051699.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN051699.D (-4062) (-)

