

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051705.D
 Acq On : 5 Oct 2018 23:14
 Operator : MD\SY
 Sample : J5084-20
 Misc : 5.65µ/5.00mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 28

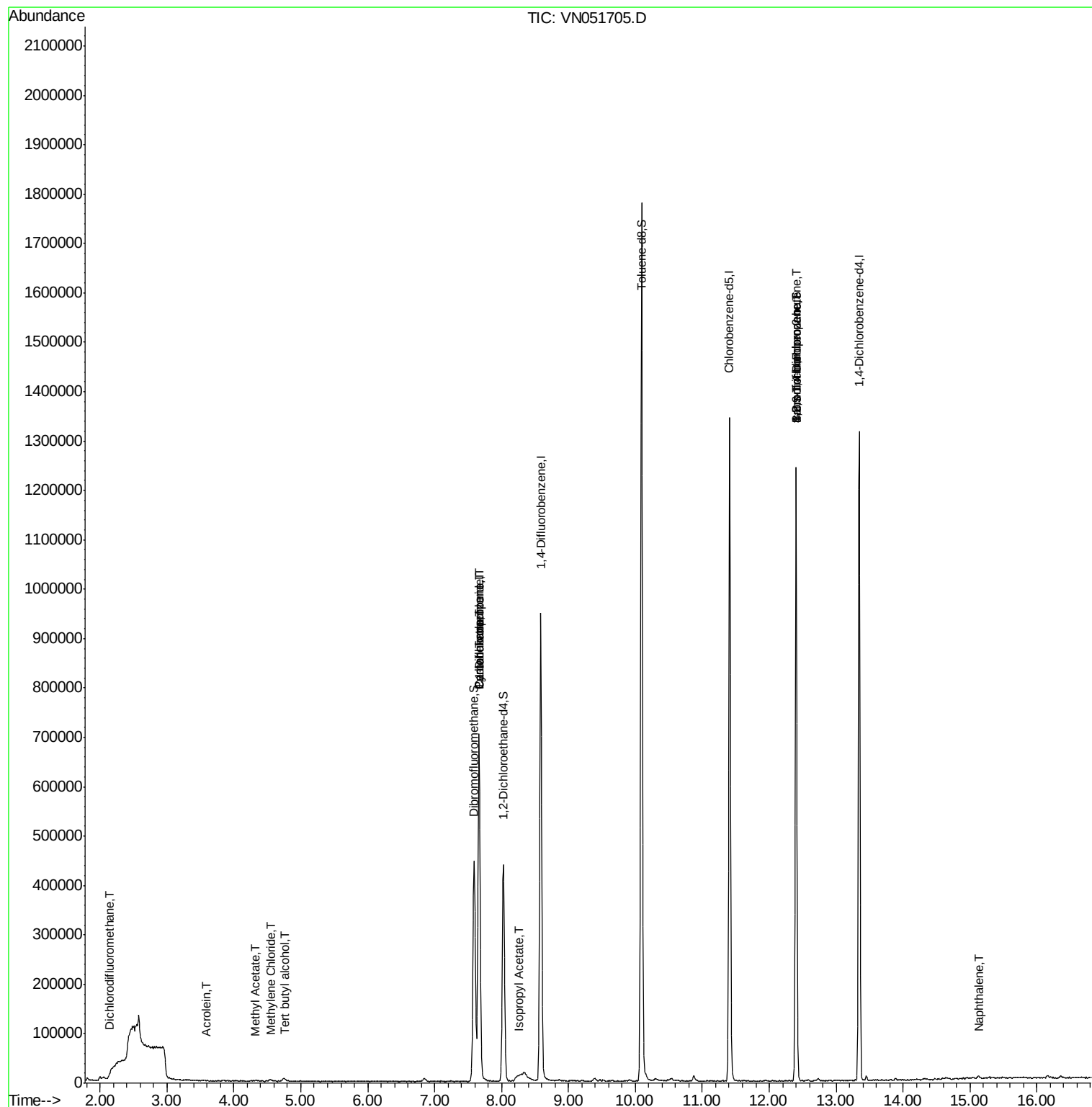
Quant Time: Oct 06 01:22:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

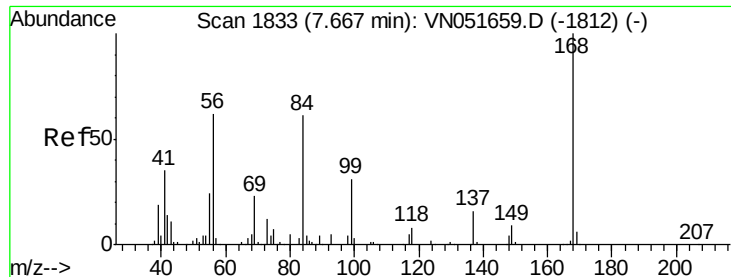
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	605163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	882284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	792743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	354398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	366543	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
35) Dibromofluoromethane	7.59	113	330889	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	1250504	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	376036	41.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.13	85	29	1.153	ug/l #	42
7) Trichlorofluoromethane	2.93	101	255	Below Cal	#	20
11) Tert butyl alcohol	4.76	59	4263	7.846	ug/l #	80
13) Acrolein	3.60	56	268	0.790	ug/l #	57
16) Acetone	3.82	43	402	Below Cal	#	44
18) Methyl Acetate	4.33	43	2541	0.576	ug/l	98
20) Methylene Chloride	4.55	84	1370	0.208	ug/l #	69
31) Cyclohexane	7.67	56	12565	1.158	ug/l #	31
36) 1,1-Dichloropropene	7.67	75	40844	4.429	ug/l #	48
38) Carbon Tetrachloride	7.66	117	54715	4.944	ug/l #	15
41) Methacrylonitrile	7.17	41	457	Below Cal	#	44
43) Isopropyl Acetate	8.25	43	8713	0.869	ug/l #	59
71) Bromoform	12.40	173	3369	0.576	ug/l #	1
74) N-amyl acetate	12.08	43	39	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.44	83	33	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	206424	46.598	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	206424	107.068	ug/l #	14
95) Naphthalene	15.13	128	3042	0.247	ug/l #	85

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

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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051705.D

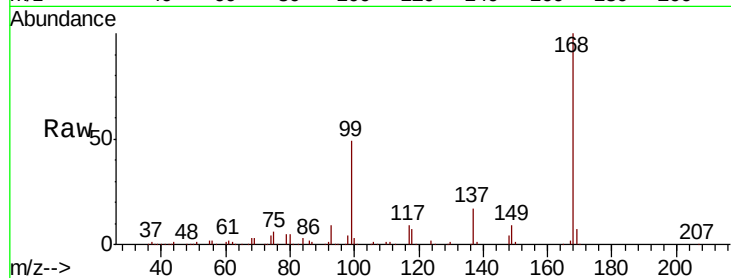
Acq: 5 Oct 2018 23:14

Tot Ion:168 Resp: 605163

Ion Ratio Lower Upper

168 100

99 48.5 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

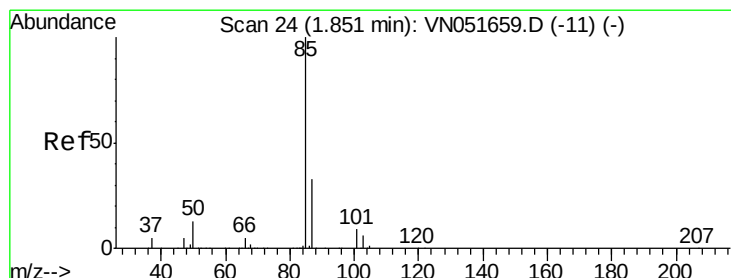
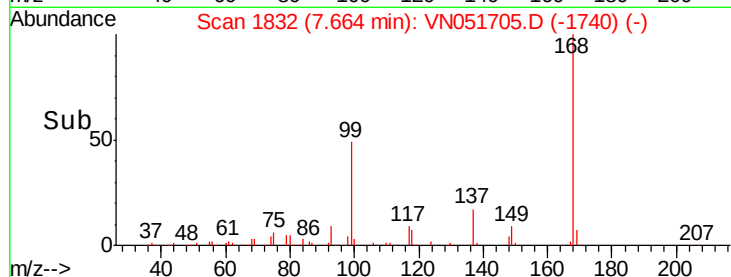
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.153 ug/l

RT: 2.13 min Scan# 111

Delta R.T. 0.28 min

Lab File: VN051705.D

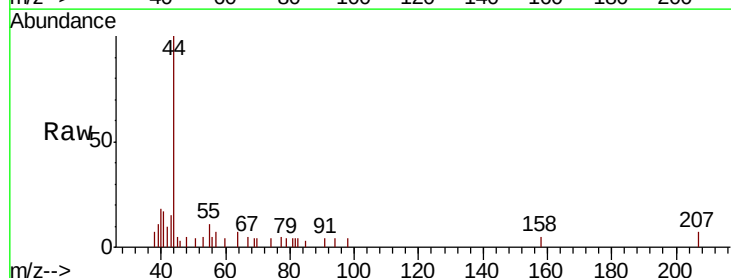
Acq: 5 Oct 2018 23:14

Tgt Ion: 85 Resp: 29

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

2.13

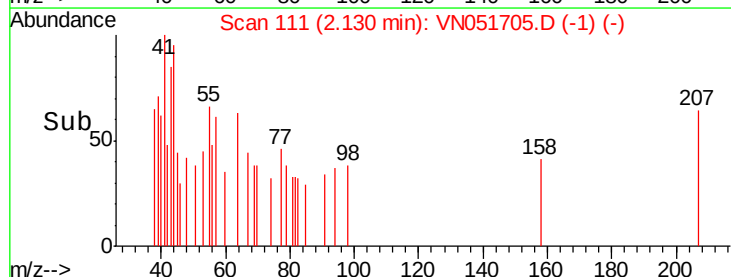
150

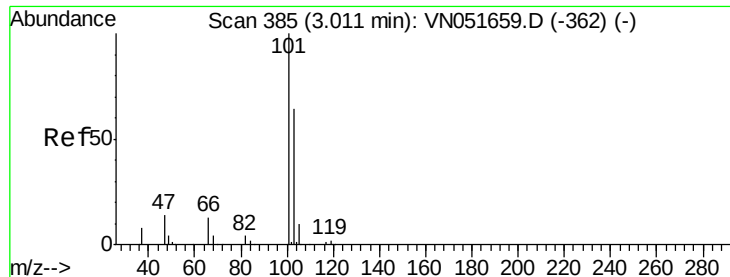
100

50

0

Time-->

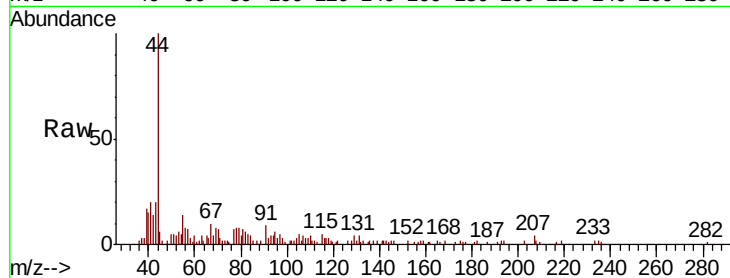




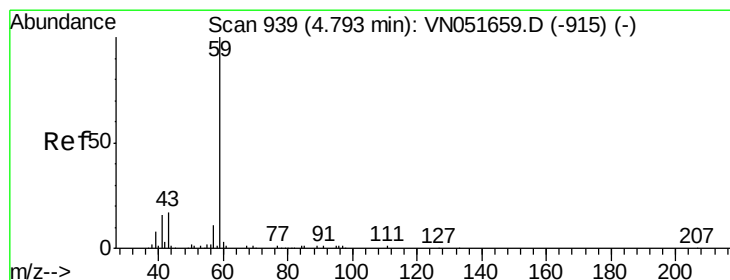
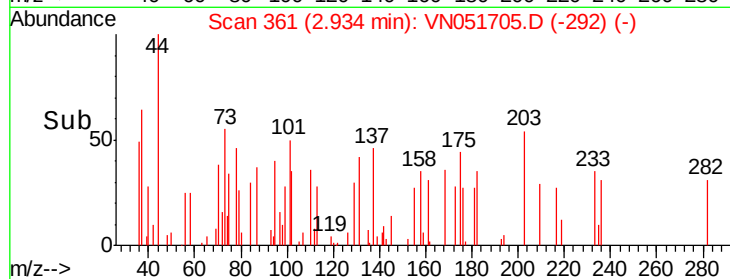
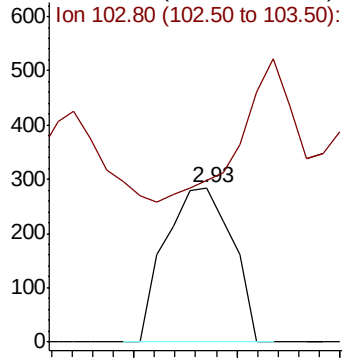
#7

Trichlorofluoromethane
Concen: Below Cal
RT: 2.93 min Scan# 361
Delta R.T. -0.08 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tot Ion:101 Resp: 255
Ion Ratio Lower Upper
101 100
103 1.1 51.1 76.7#



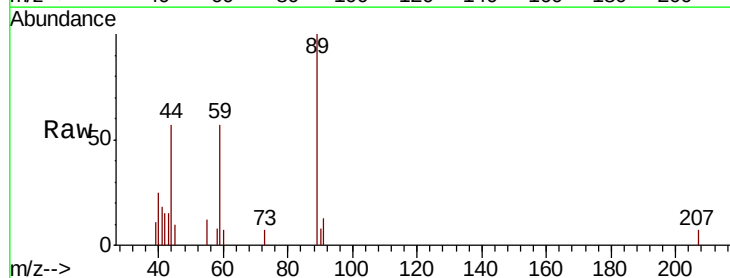
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



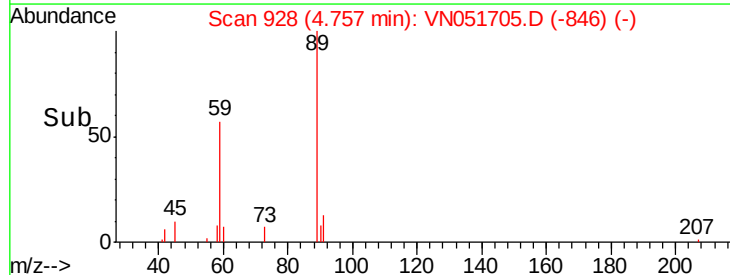
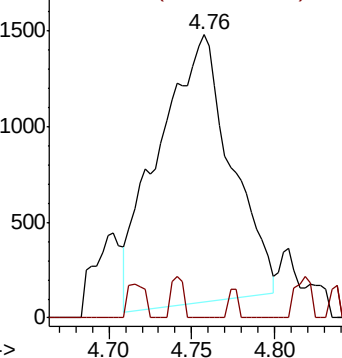
#11

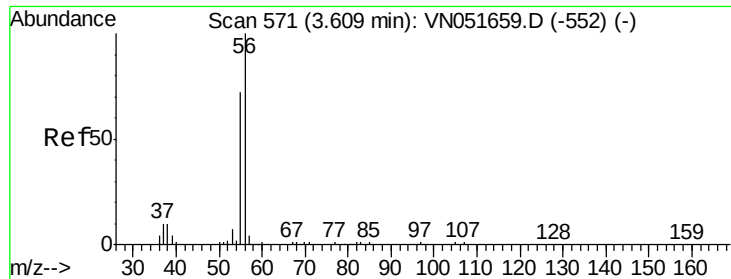
Tert butyl alcohol
Concen: 7.846 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.04 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tgt Ion: 59 Resp: 4263
Ion Ratio Lower Upper
59 100
57 2.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.790 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN051705.D

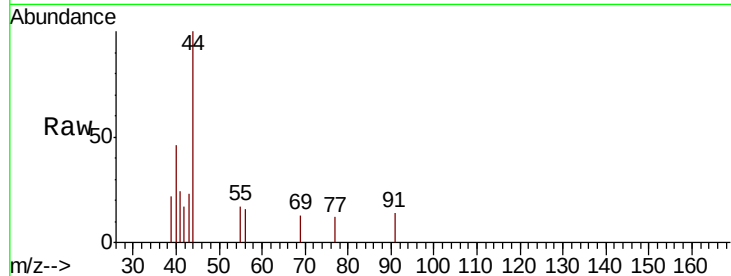
Acq: 5 Oct 2018 23:14

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

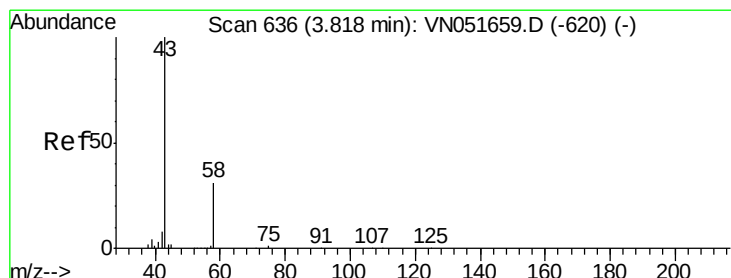
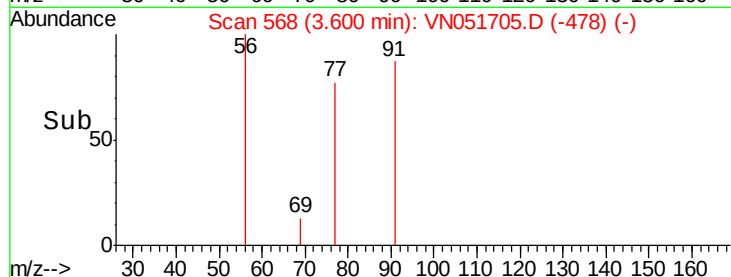
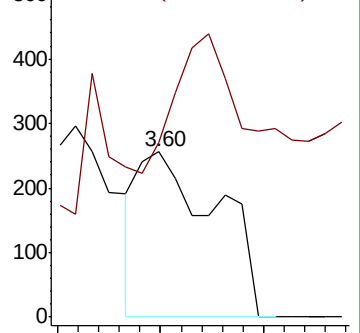
56 100

55 107.5 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051705.D

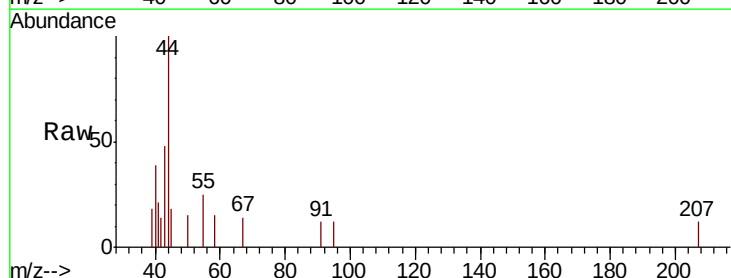
Acq: 5 Oct 2018 23:14

Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

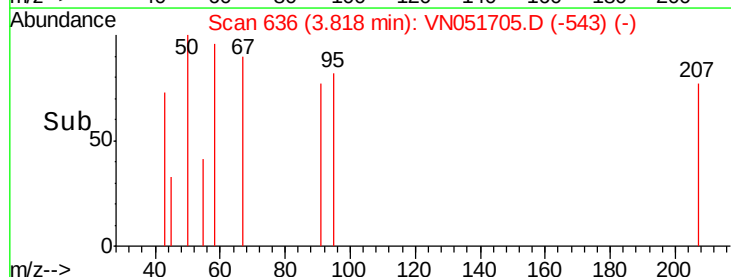
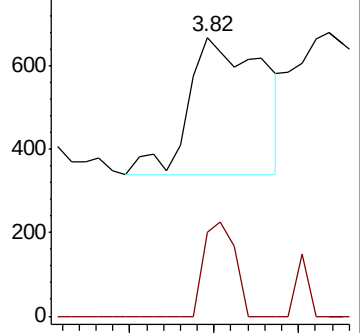
43 100

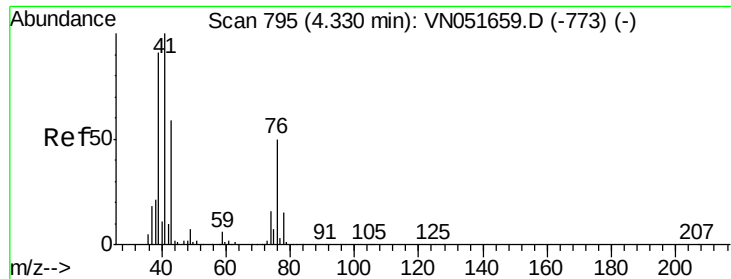
58 60.8 24.3 36.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

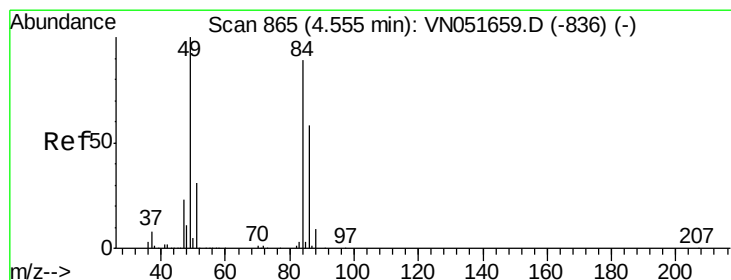
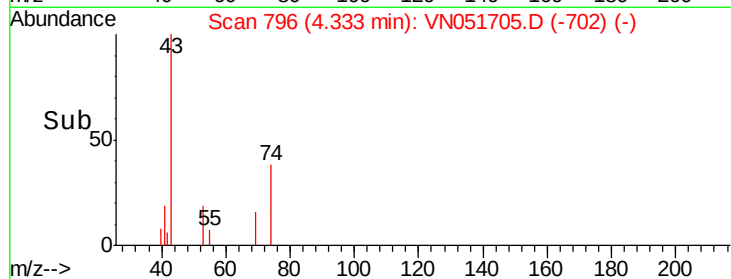
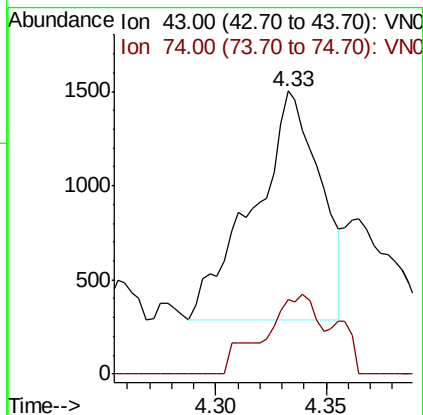
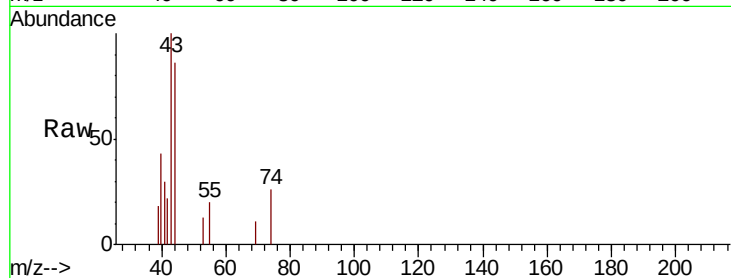
Ion 58.00 (57.70 to 58.70): VN0





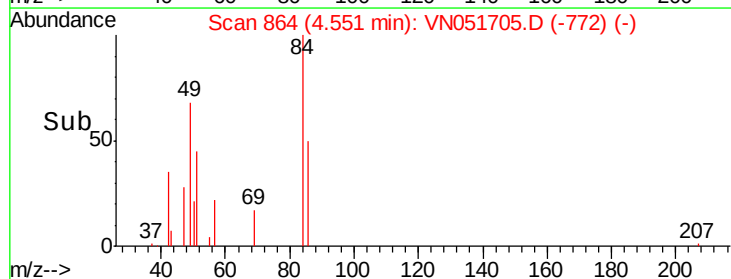
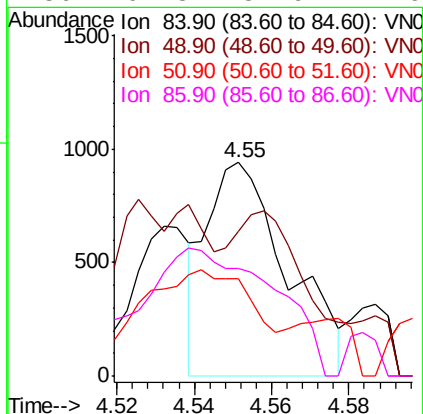
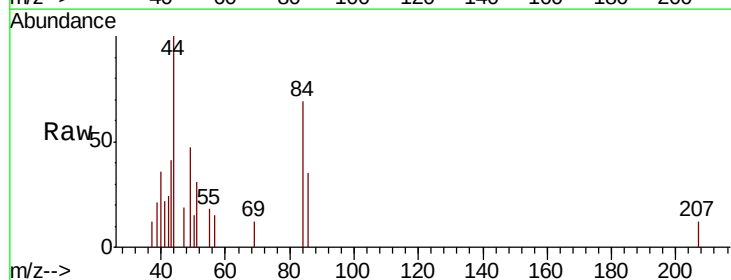
#18
Methvl Acetate
Concen: 0.576 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

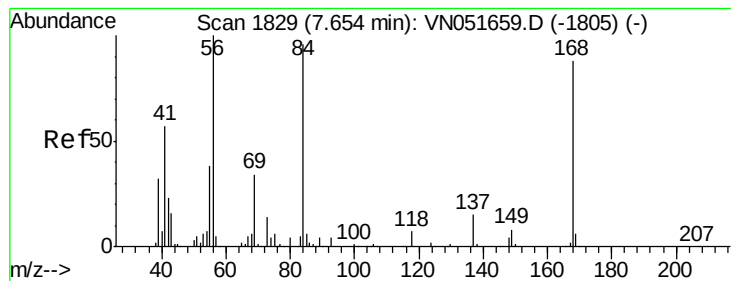
Tot Ion: 43 Resp: 2541
Ion Ratio Lower Upper
43 100
74 28.1 21.5 32.3



#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tgt Ion: 84 Resp: 1370
Ion Ratio Lower Upper
84 100
49 55.3 89.5 134.3#
51 23.8 27.4 41.0#
86 64.8 51.9 77.9





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.67 min Scan# 1833

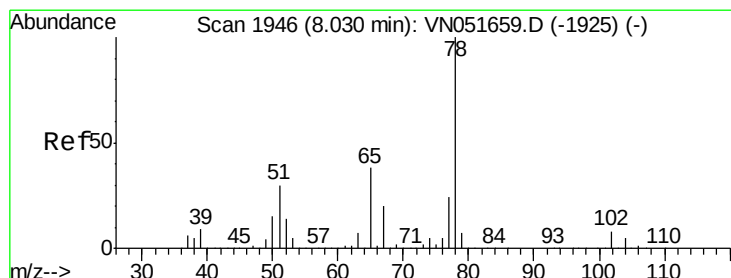
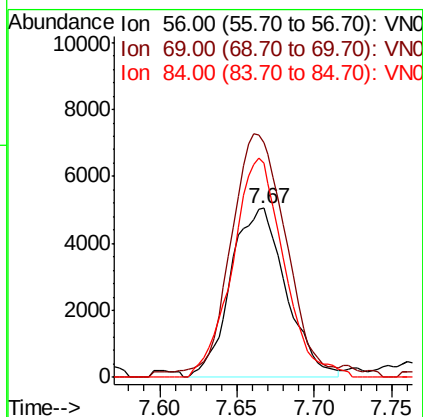
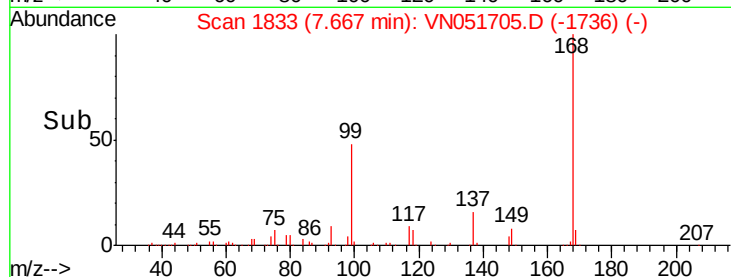
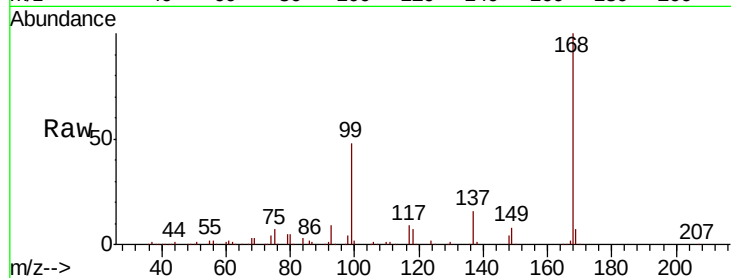
Delta R.T. 0.01 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

Tot Ion: 56 Resp: 12565

Ion	Ratio	Lower	Upper
56	100		
69	133.7	27.5	41.3#
84	126.5	76.7	115.1#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

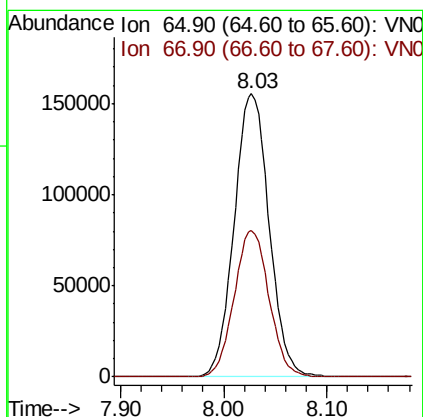
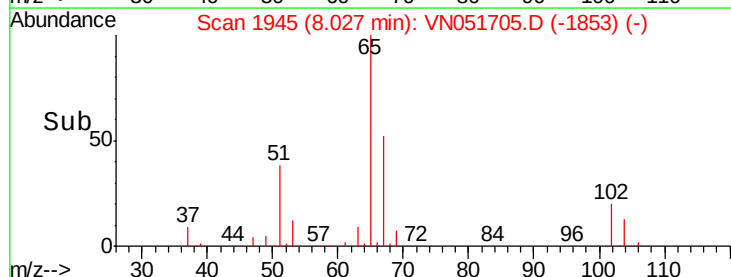
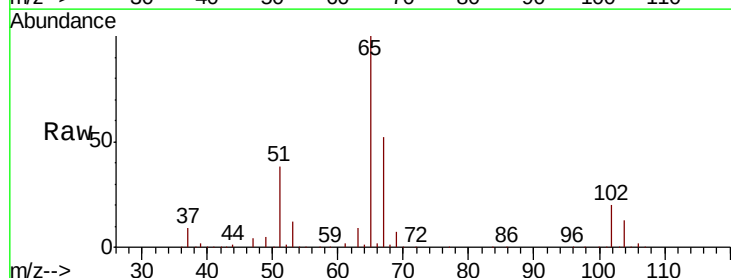
Delta R.T. -0.00 min

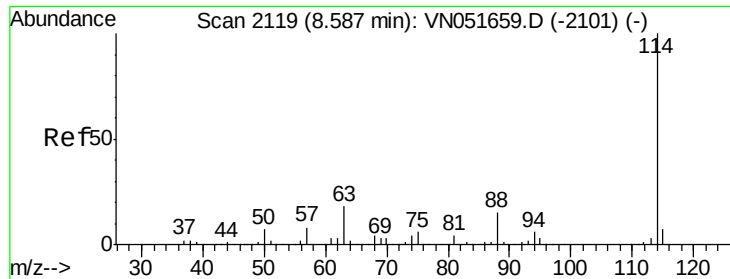
Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

Tgt Ion: 65 Resp: 366543

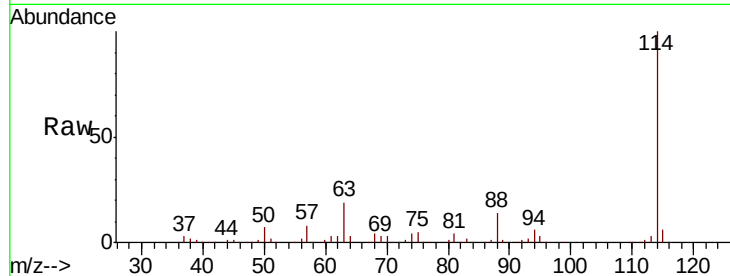
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.6



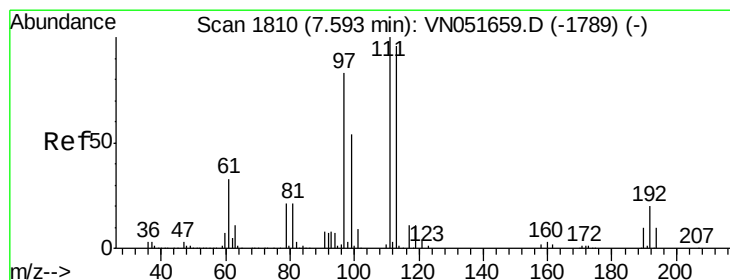
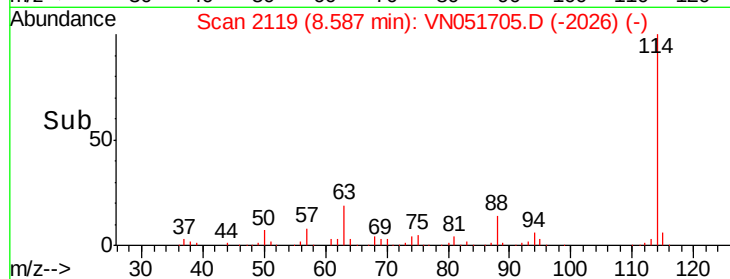
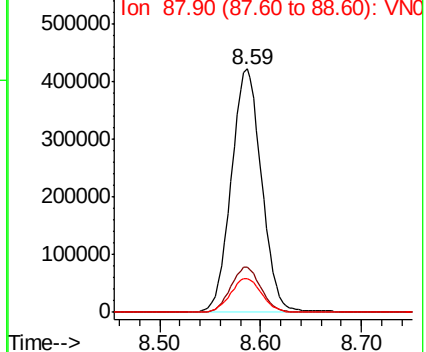


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tot Ion:114 Resp: 882284
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.2
88 14.0 0.0 30.2

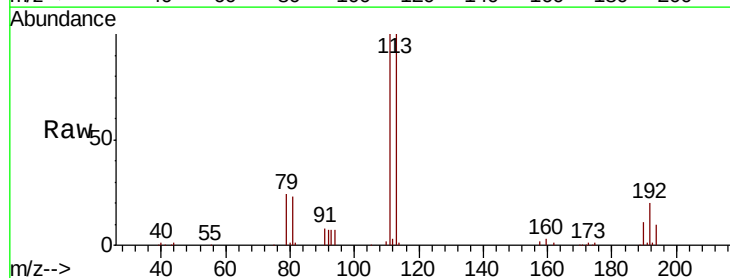


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VNO
Ion 87.90 (87.60 to 88.60): VNO

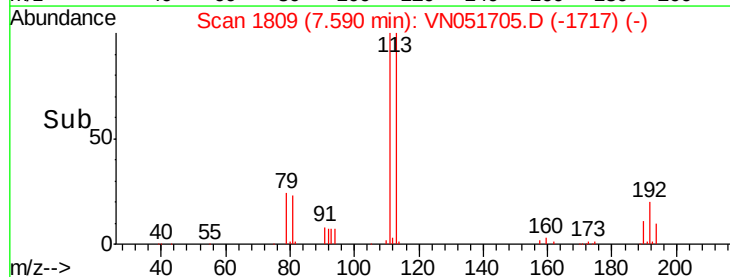
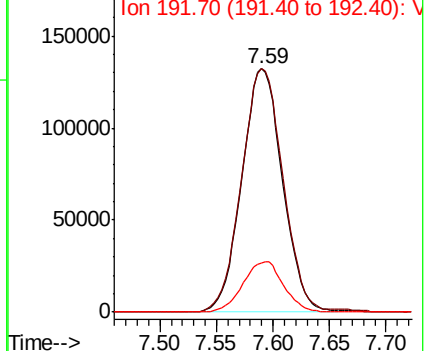


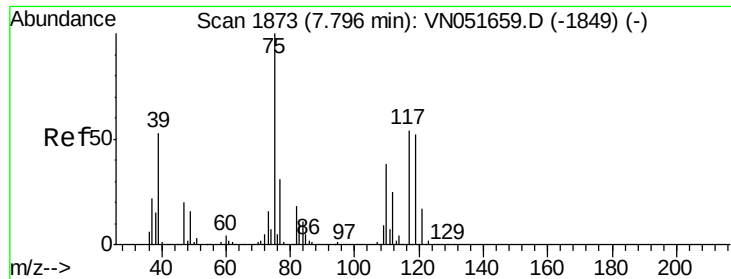
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tgt Ion:113 Resp: 330889
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 20.7 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: 4.429 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

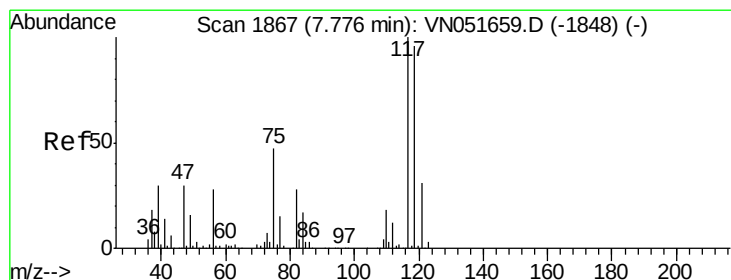
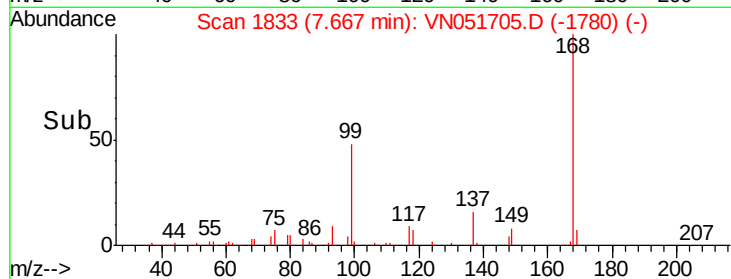
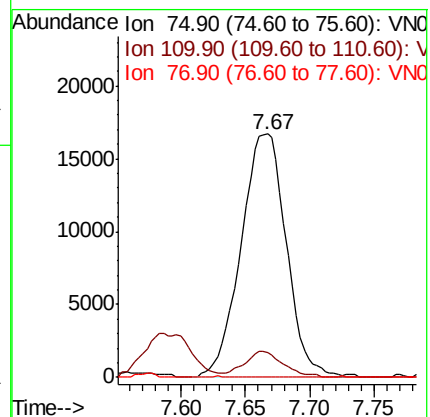
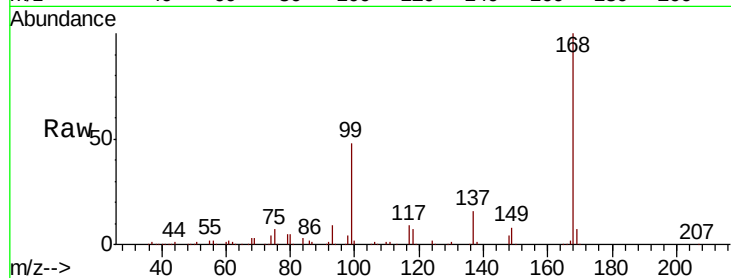
Tot Ion: 75 Resp: 40844

Ion Ratio Lower Upper

75 100

110 9.3 19.3 57.8#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.944 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

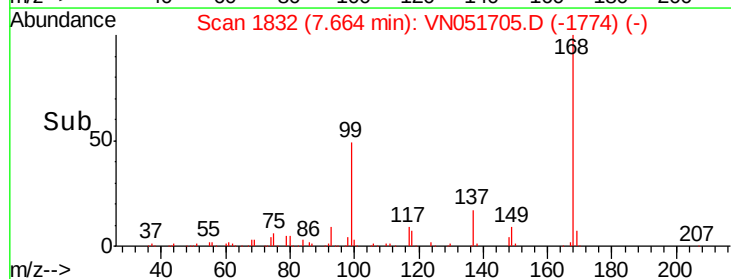
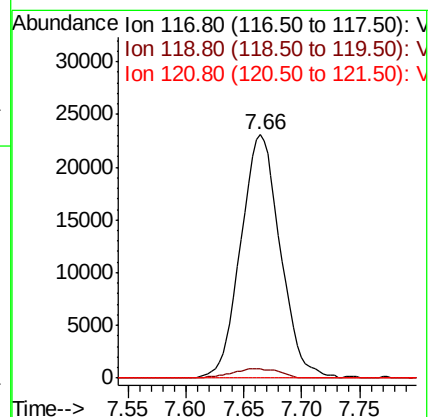
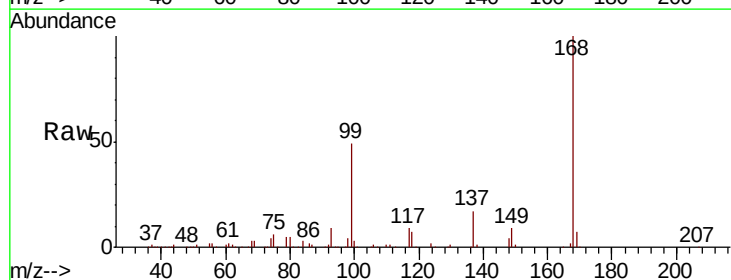
Tgt Ion: 117 Resp: 54715

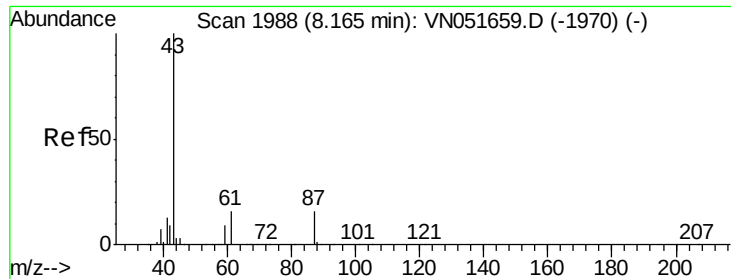
Ion Ratio Lower Upper

117 100

119 3.6 77.0 115.6#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 0.869 ug/l

RT: 8.25 min Scan# 2013

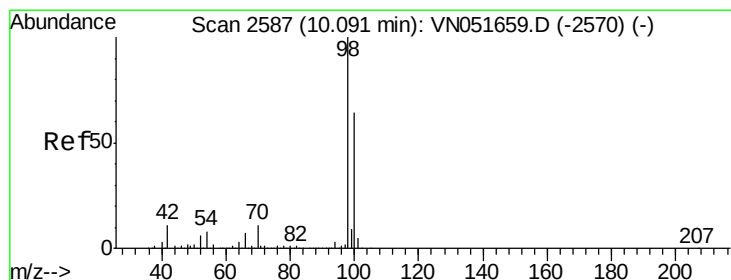
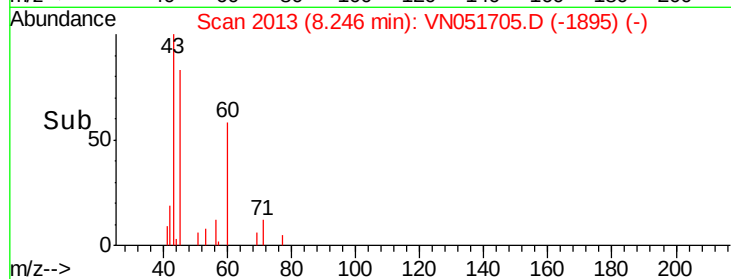
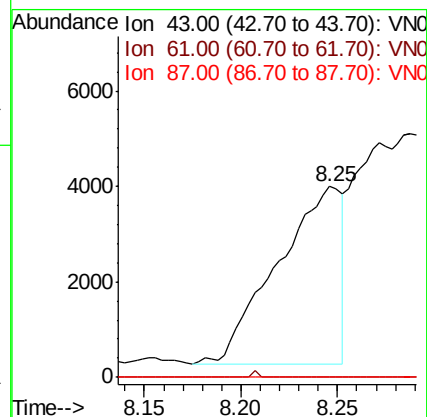
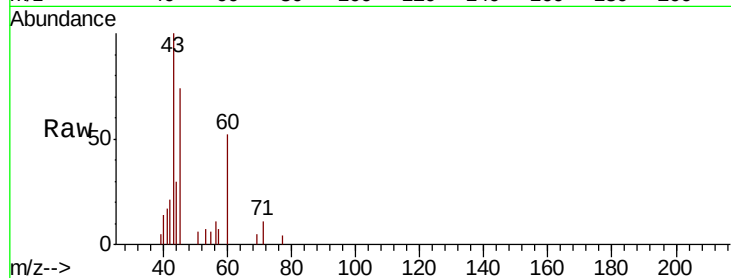
Delta R.T. 0.08 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

Tot Ion: 43 Resp: 8713

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

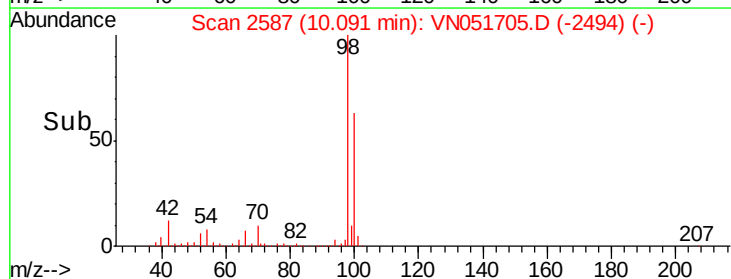
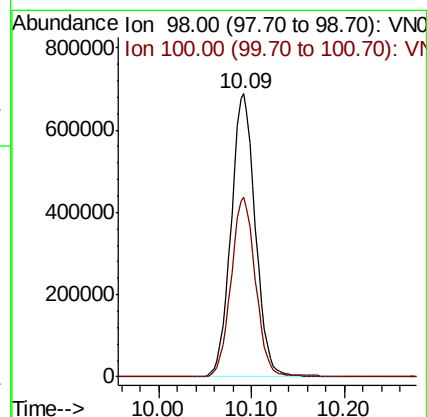
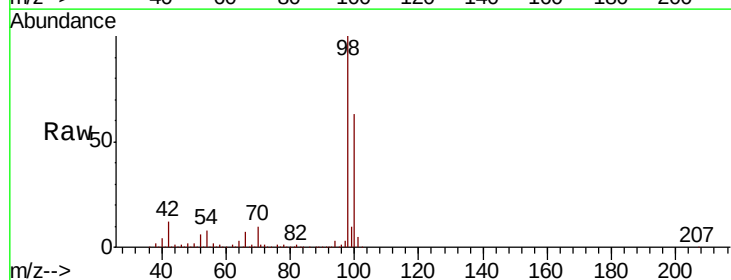
Delta R.T. 0.00 min

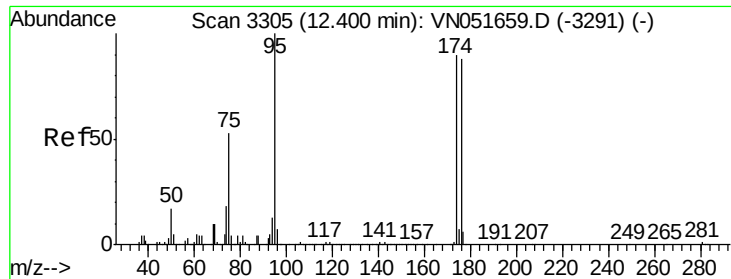
Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

Tgt Ion: 98 Resp: 1250504

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

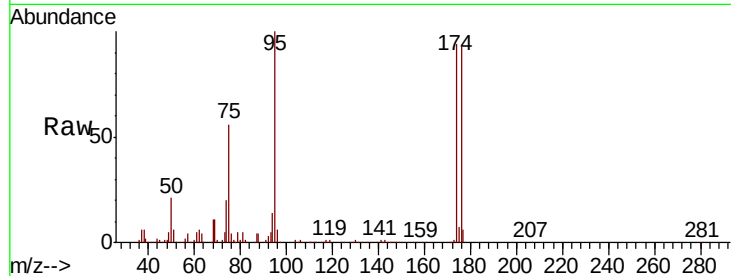
Tot Ion: 95 Resp: 376036

Ion Ratio Lower Upper

95 100

174 95.7 0.0 182.8

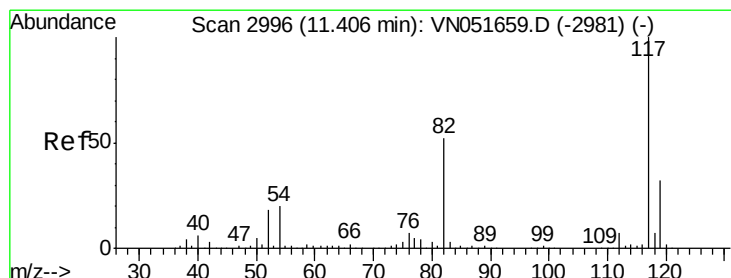
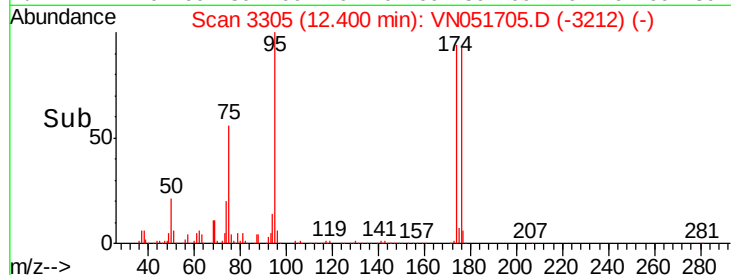
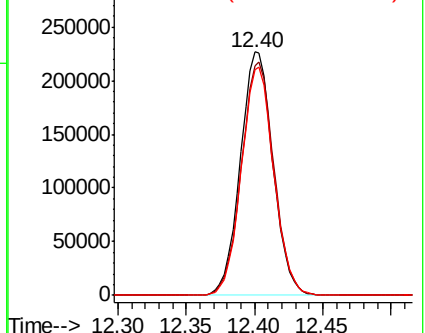
176 93.2 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051705.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN051705.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN051705.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

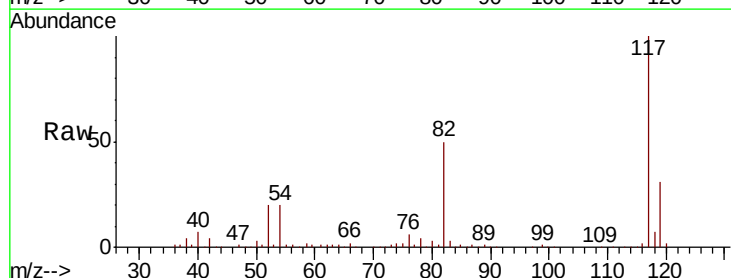
Tgt Ion: 117 Resp: 792743

Ion Ratio Lower Upper

117 100

82 50.5 41.3 61.9

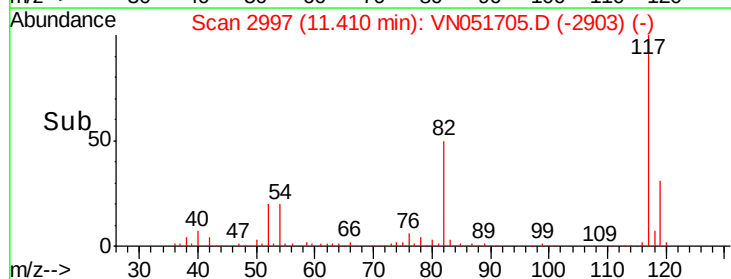
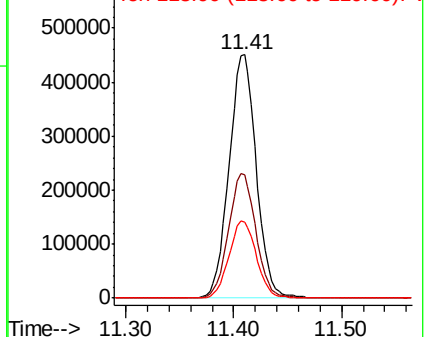
119 31.2 25.9 38.9

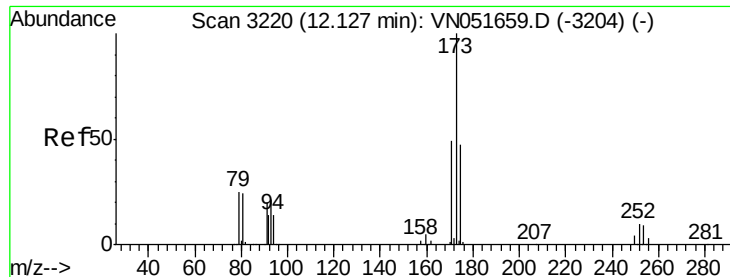


Abundance Ion 116.90 (116.60 to 117.60): VN051705.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN051705.D (-2903) (-)

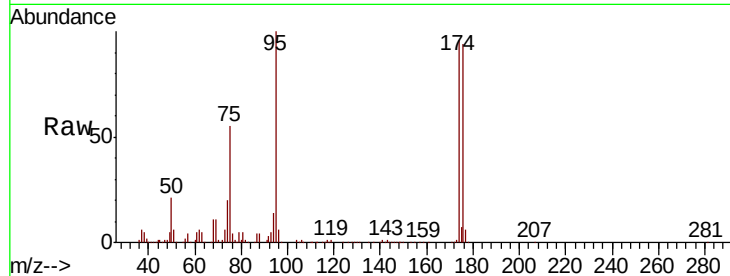
Ion 118.90 (118.60 to 119.60): VN051705.D (-2903) (-)



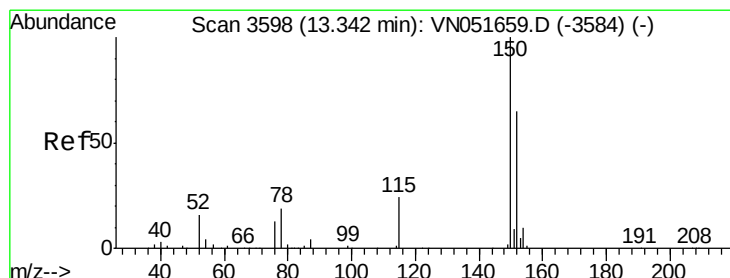
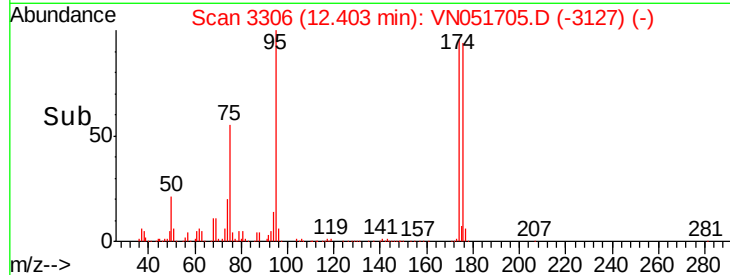
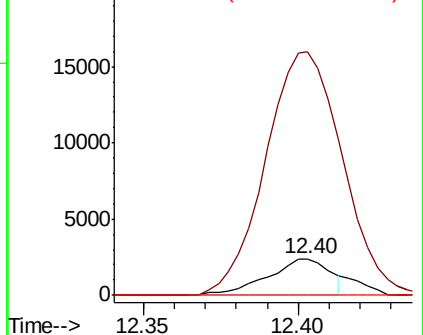


#71
Bromoform
Concen: 0.576 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tot Ion:173 Resp: 3369
Ion Ratio Lower Upper
173 100
175 705.3 24.0 72.0#
254 0.0 0.1 0.1#

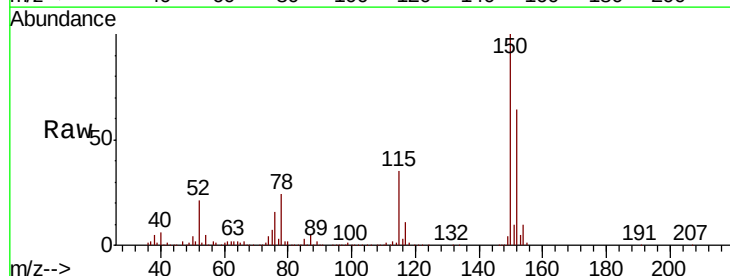


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

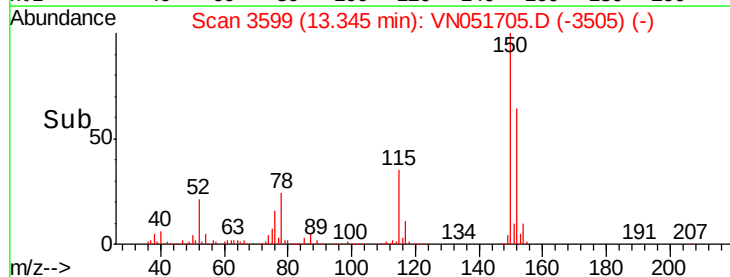
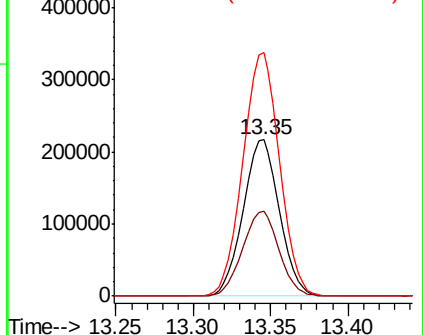


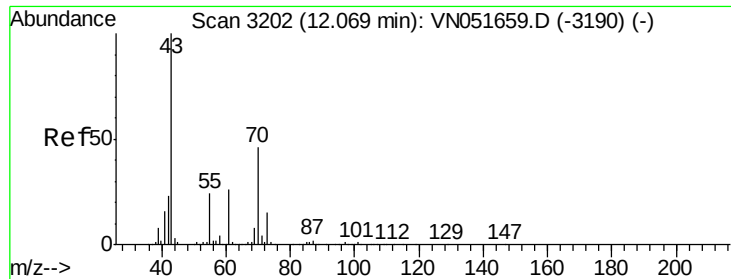
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tgt Ion:152 Resp: 354398
Ion Ratio Lower Upper
152 100
115 54.5 28.6 85.8
150 157.3 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-amvl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3206

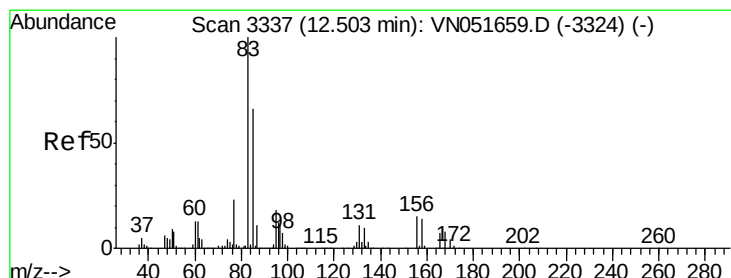
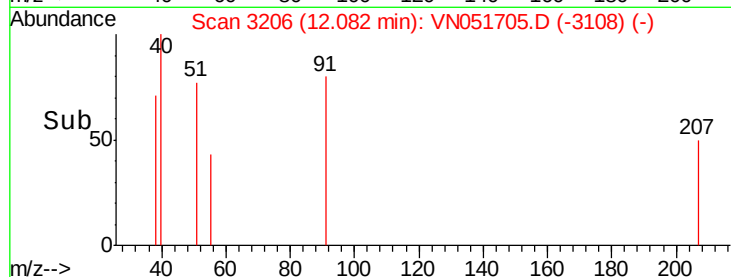
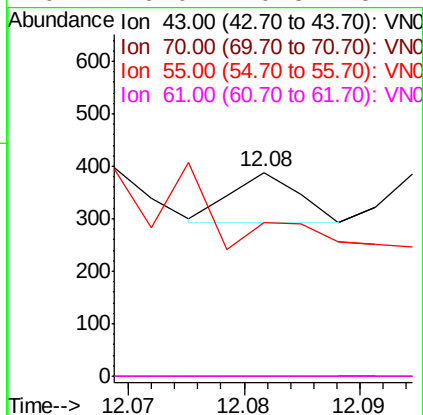
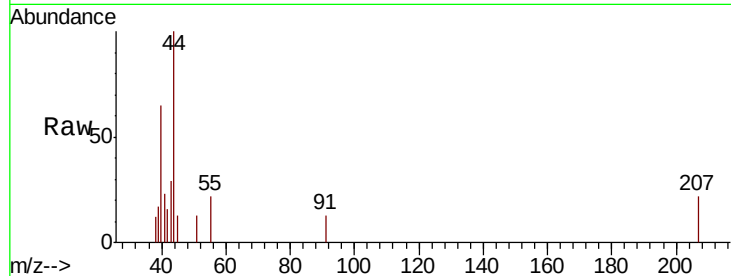
Delta R.T. 0.01 min

Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

Tot Ion: 43 Resp: 39

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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.44 min Scan# 3316

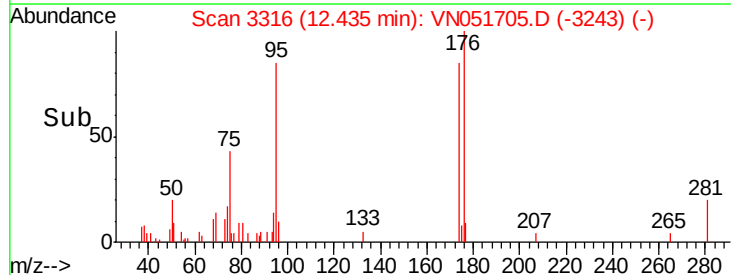
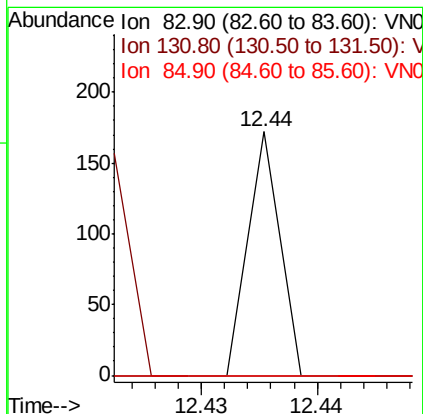
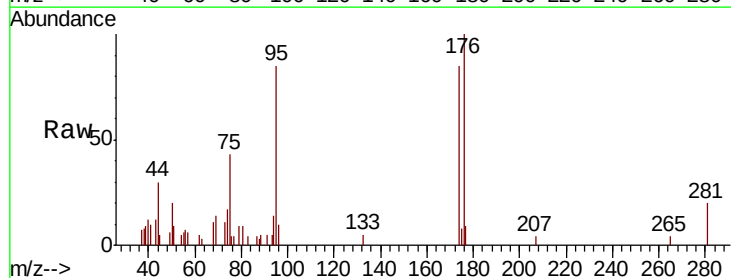
Delta R.T. -0.07 min

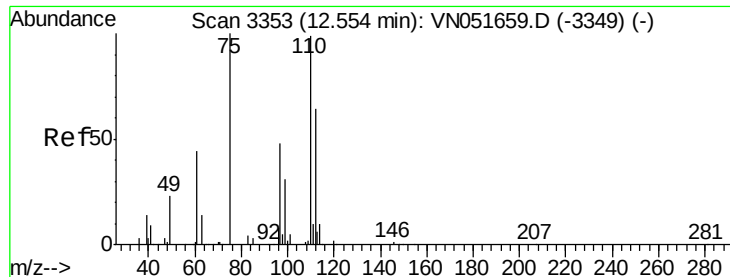
Lab File: VN051705.D

Acq: 5 Oct 2018 23:14

Tgt Ion: 83 Resp: 33

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

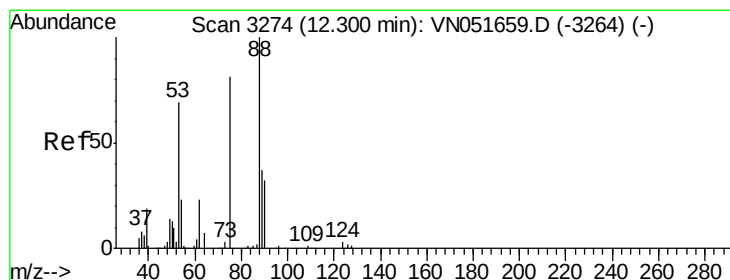
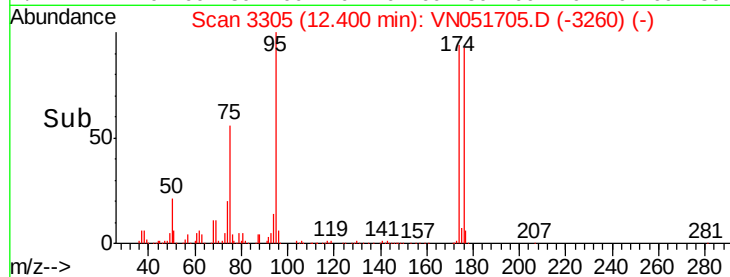
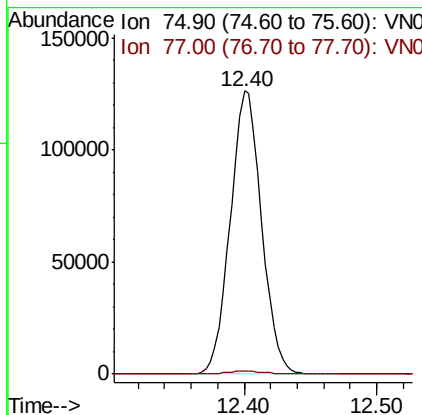
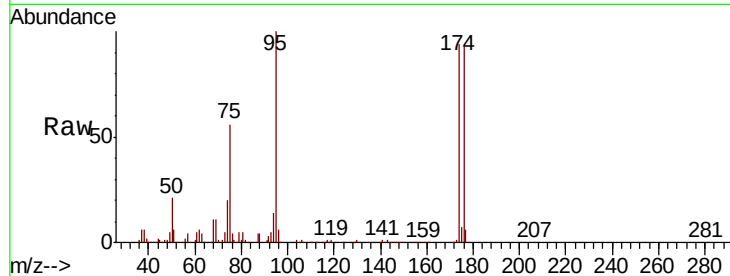




#76

1,2,3-Trichloropropane
Concen: 46.598 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

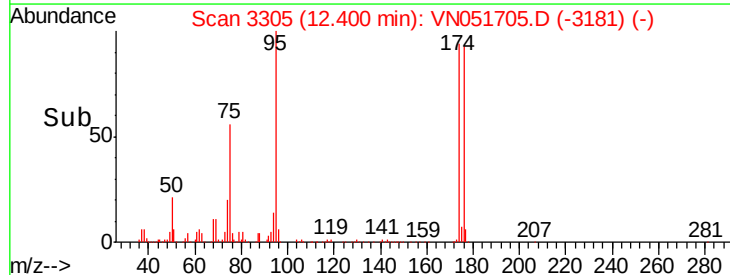
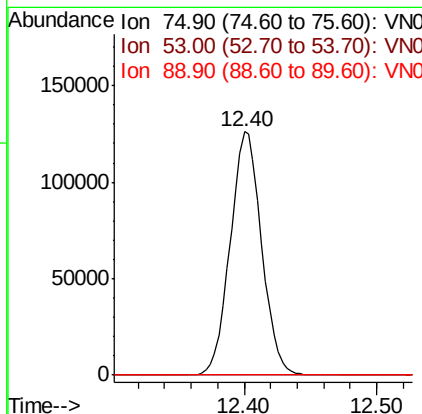
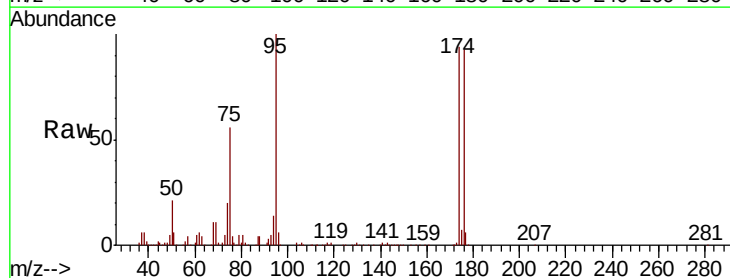
Tot Ion: 75 Resp: 206424
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

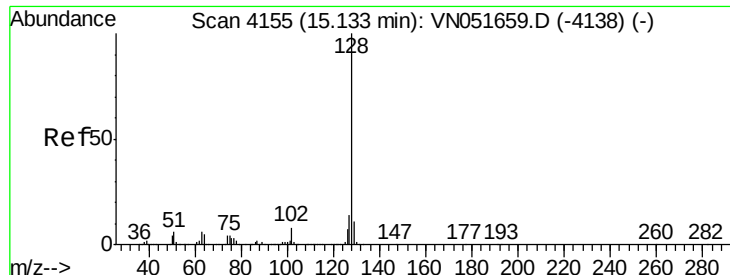


#81

trans-1,4-Dichloro-2-butene
Concen: 107.068 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

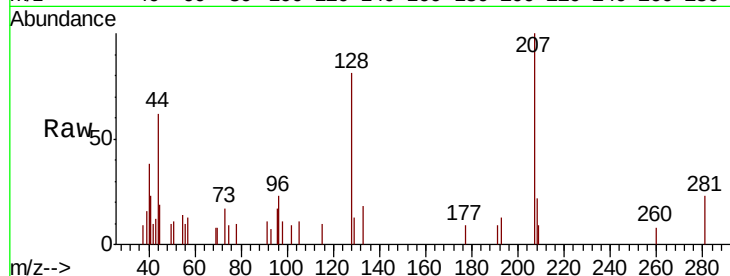
Tgt Ion: 75 Resp: 206424
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 0.0 39.4 59.2#





#95
Naphthalene
Concen: 0.247 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051705.D
Acq: 5 Oct 2018 23:14

Tot Ion:128 Resp: 3042
Ion Ratio Lower Upper
128 100
127 4.7 10.6 15.8#
129 8.7 9.0 13.6#



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

