

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN071118\
 Data File : VN049760.D
 Acq On : 11 Jul 2018 16:54
 Operator : MD\SY
 Sample : VN0711WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 12 01:54:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 01:52:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	284448	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1492680	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	1269253	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	593477	30.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.87%
60) 4-Bromofluorobenzene	12.40	95	471844	24.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.27%
63) Toluene-d8	10.09	98	1740203	29.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.80%

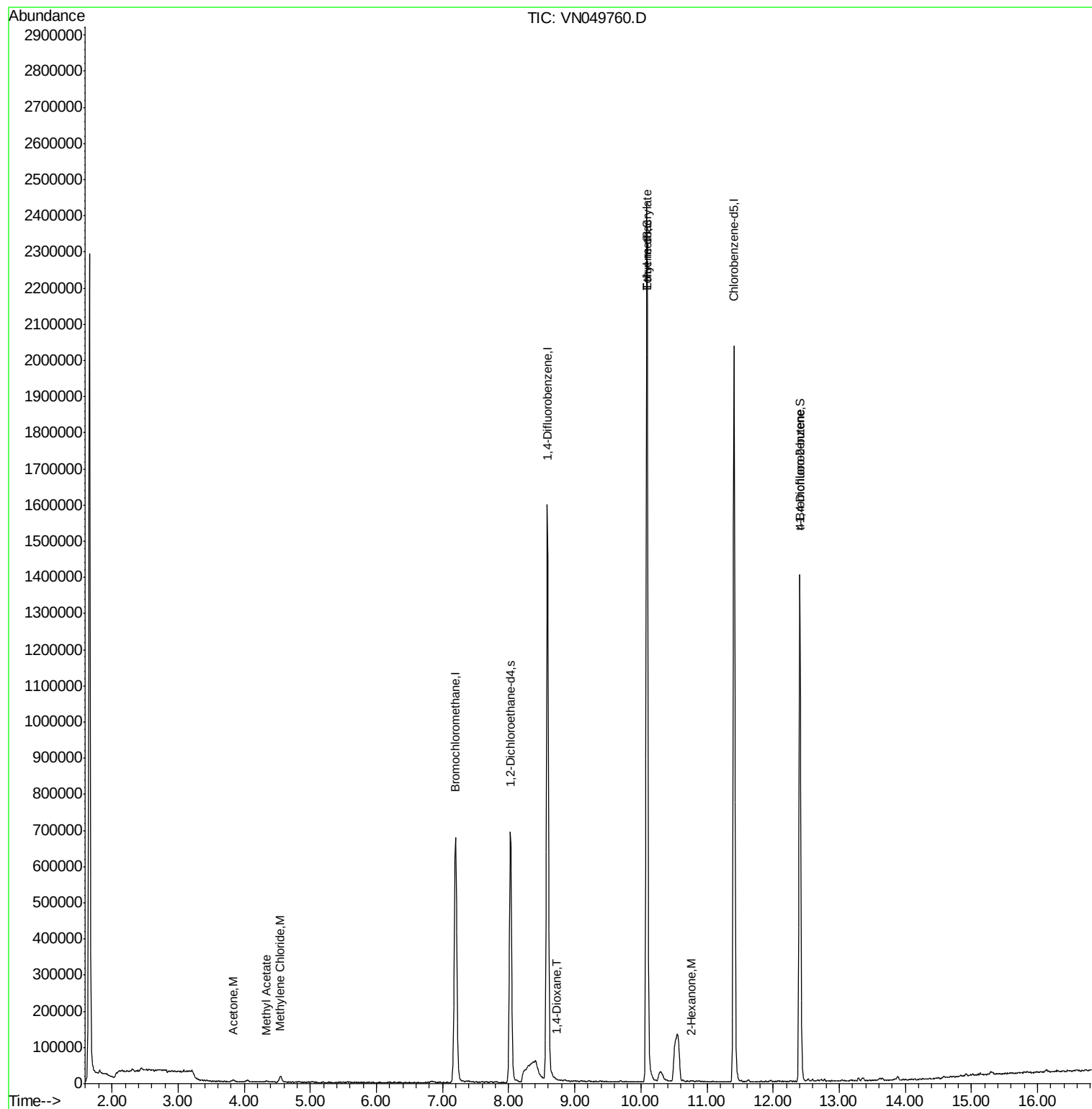
Target Compounds

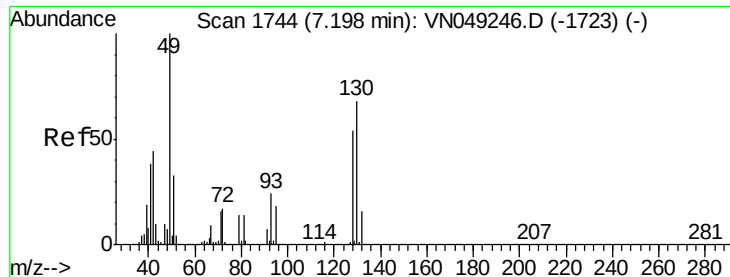
					Qvalue
12) Methyl Acetate	4.34	43	6310	0.395 ug/l	93
15) Acetone	3.83	58	1997	1.383 ug/l #	60
18) Methylene Chloride	4.55	84	11516	0.594 ug/l	97
45) 1,4-Dioxane	8.72	88	284	1.651 ug/l #	1
51) Ethyl methacrylate	10.09	69	5920	0.300 ug/l	78
59) 2-Hexanone	10.76	43	2040	0.220 ug/l #	75
77) t-1,4-Dichloro-2-butene	12.40	75	231429	43.194 ug/l #	14

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

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049760.D

Acq: 11 Jul 2018 16:54

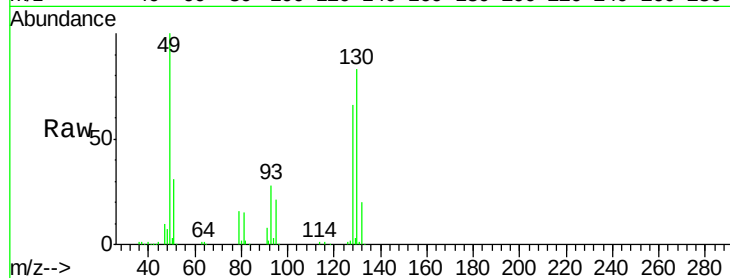
Tgt Ion: 128 Resp: 284448

Ion Ratio Lower Upper

128 100

49 150.3 0.0 378.3

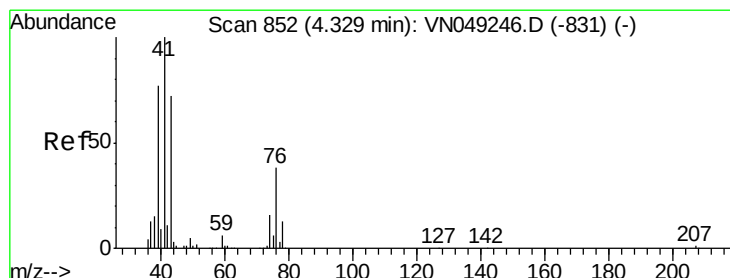
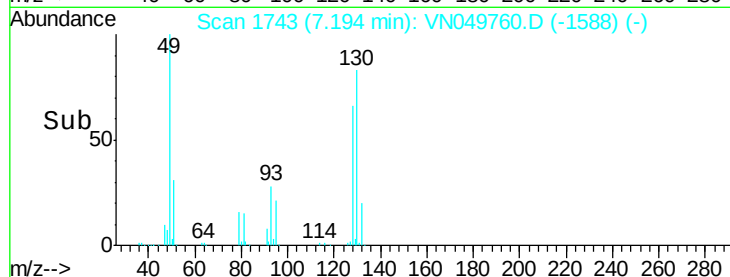
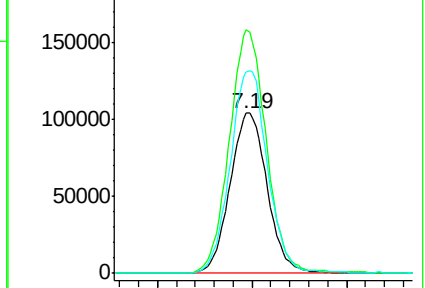
130 127.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.395 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049760.D

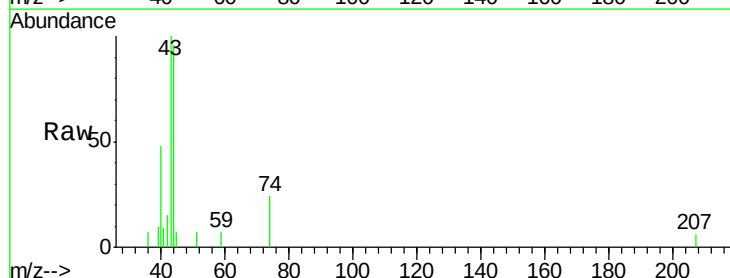
Acq: 11 Jul 2018 16:54

Tgt Ion: 43 Resp: 6310

Ion Ratio Lower Upper

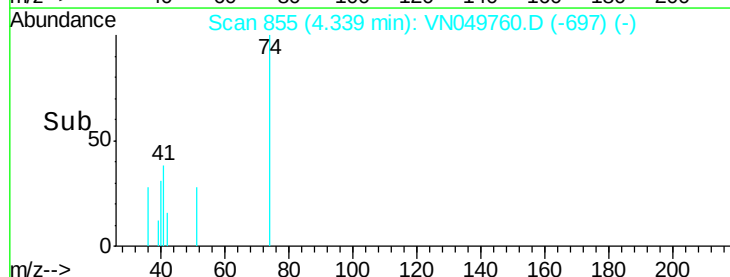
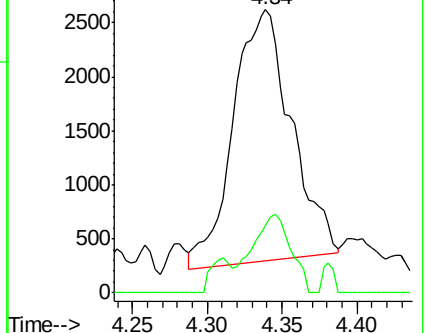
43 100

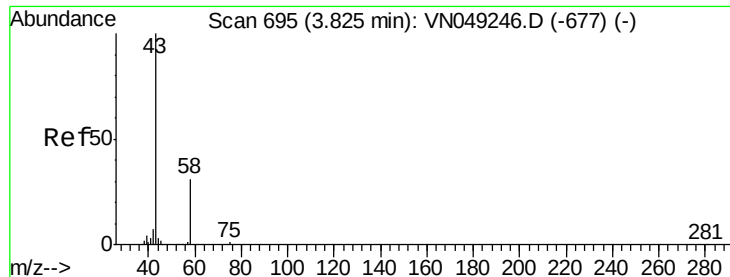
74 27.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 1.383 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN049760.D

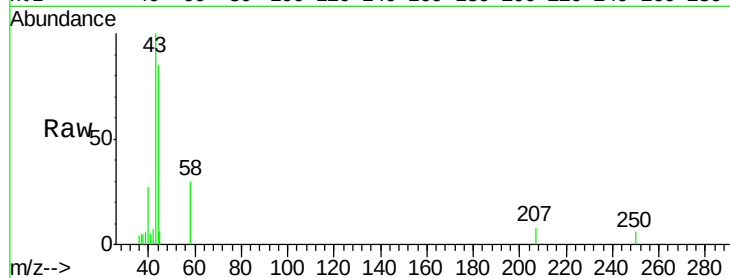
Acq: 11 Jul 2018 16:54

Tgt Ion: 58 Resp: 1997

Ion Ratio Lower Upper

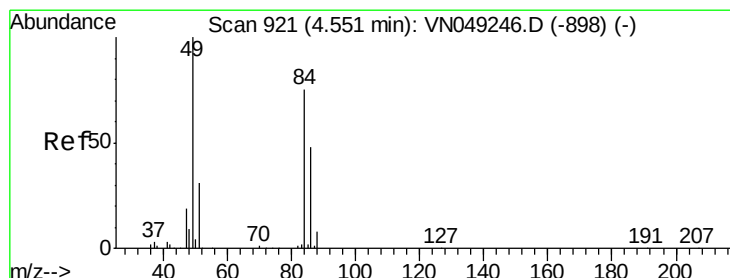
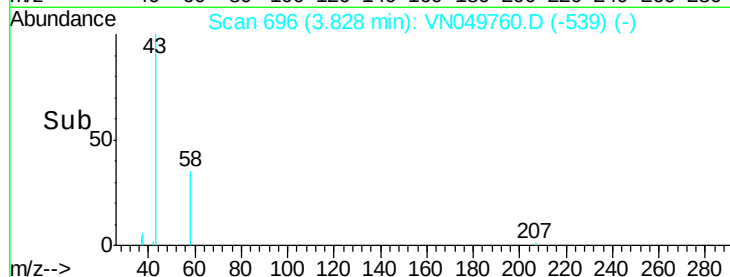
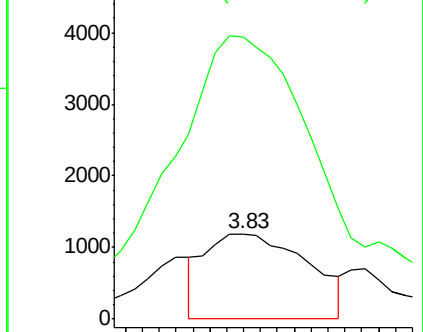
58 100

43 396.9 252.0 378.0#



Abundance Ion 58.00 (57.70 to 58.70): VN049760.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN049760.D (-677) (-)



#18

Methylene Chloride

Concen: 0.594 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN049760.D

Acq: 11 Jul 2018 16:54

Tgt Ion: 84 Resp: 11516

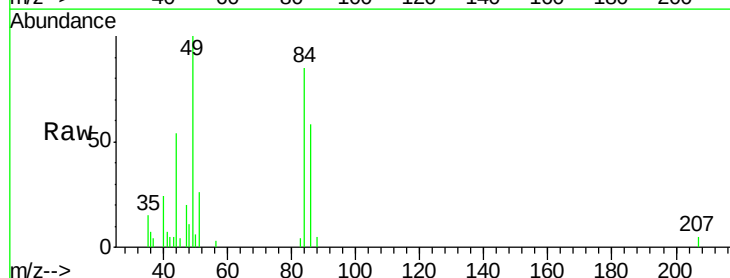
Ion Ratio Lower Upper

84 100

49 118.0 95.1 142.7

51 30.2 28.8 43.2

86 68.5 52.3 78.5

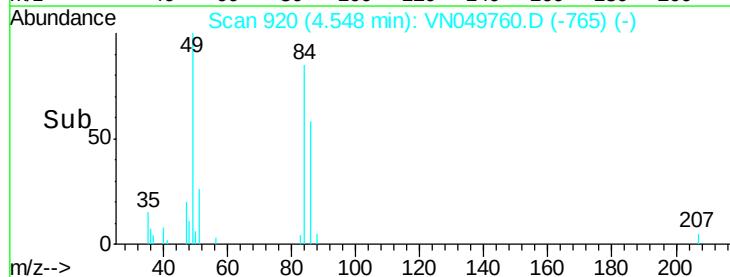
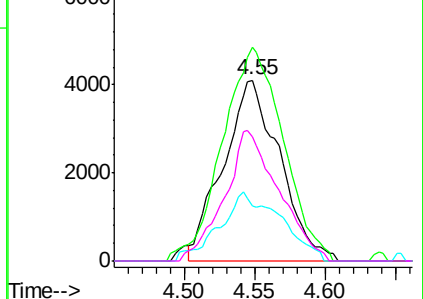


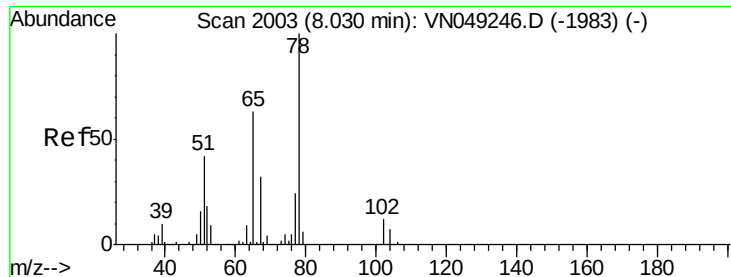
Abundance Ion 84.00 (83.70 to 84.70): VN049760.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VN049760.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN049760.D (-898) (-)

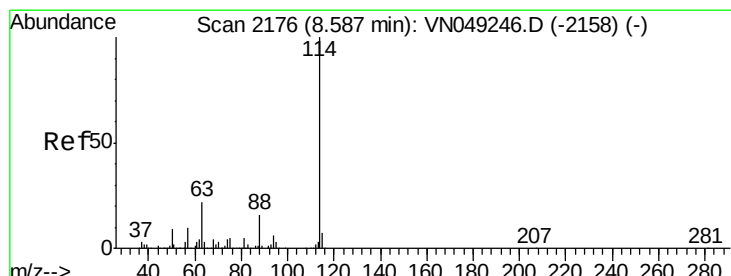
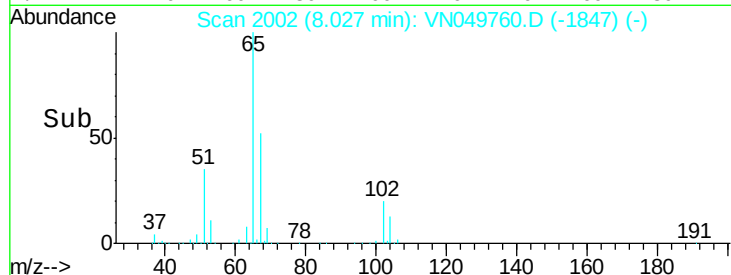
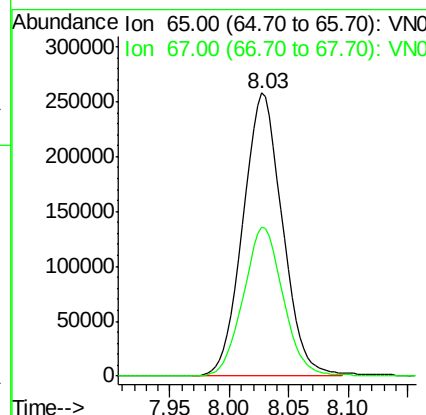
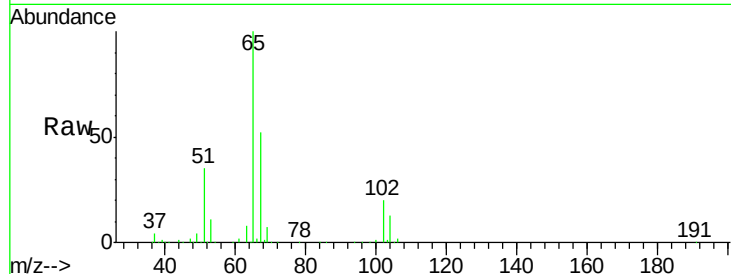
Ion 86.00 (85.70 to 86.70): VN049760.D (-898) (-)





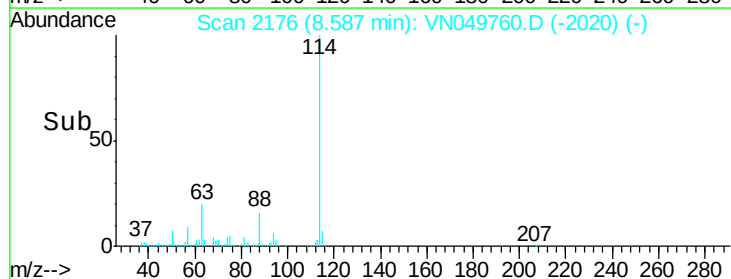
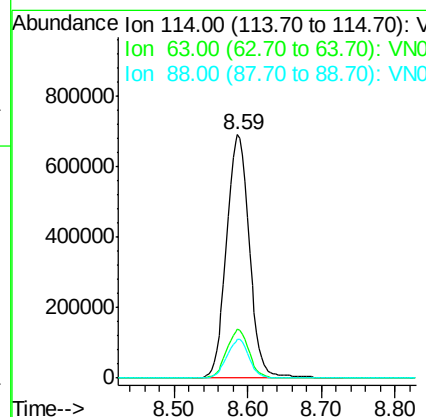
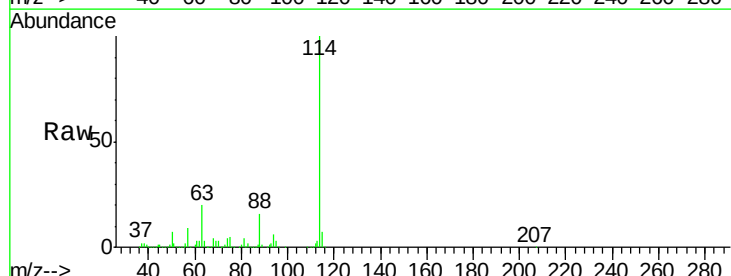
#27
 1,2-Dichloroethane-d4
 Concen: 30.864 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049760.D
 Acq: 11 Jul 2018 16:54

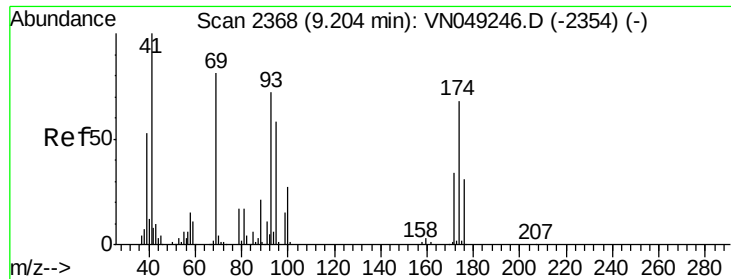
Tgt Ion: 65 Resp: 593477
 Ion Ratio Lower Upper
 65 100
 67 53.1 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049760.D
 Acq: 11 Jul 2018 16:54

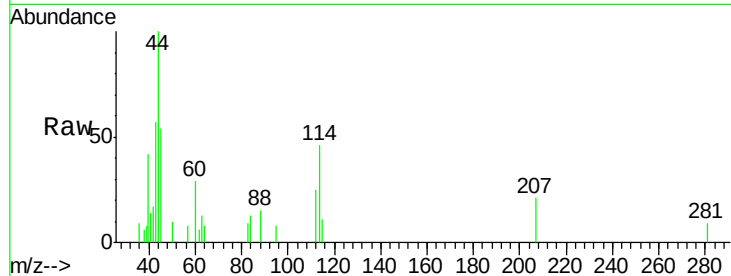
Tgt Ion: 114 Resp: 1492680
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.4 12.3 18.5



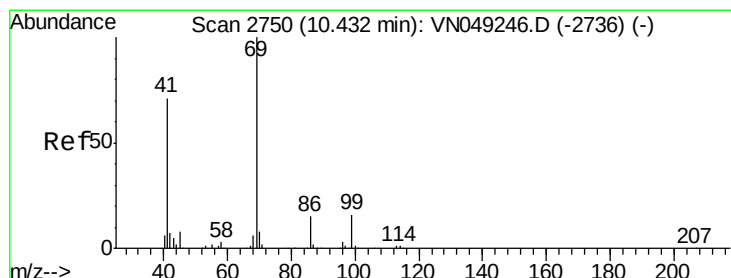
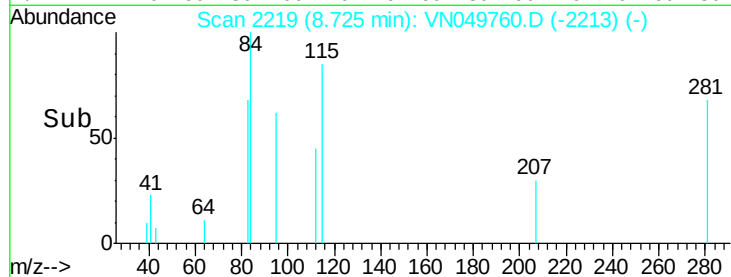
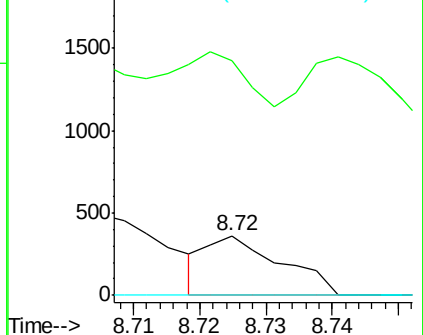


#45
 1,4-Dioxane
 Concen: 1.651 ug/l
 RT: 8.72 min Scan# 2219
 Delta R.T. -0.48 min
 Lab File: VN049760.D
 Acq: 11 Jul 2018 16:54

Tgt Ion: 88 Resp: 284
 Ion Ratio Lower Upper
 88 100
 43 127.8 26.9 40.3#
 58 0.0 53.6 80.4#

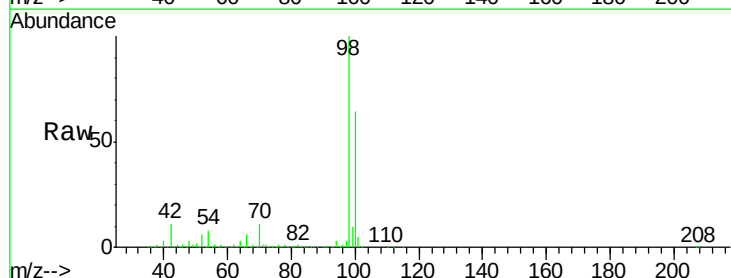


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

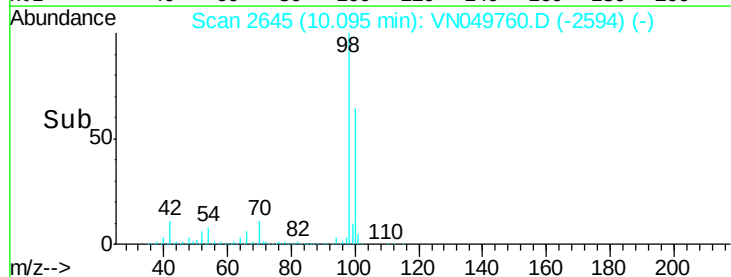
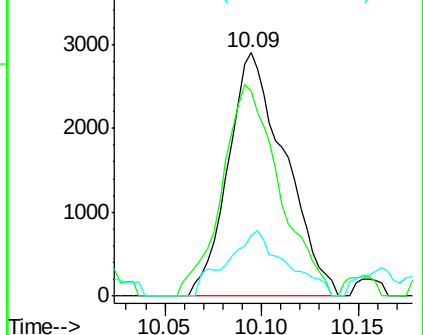


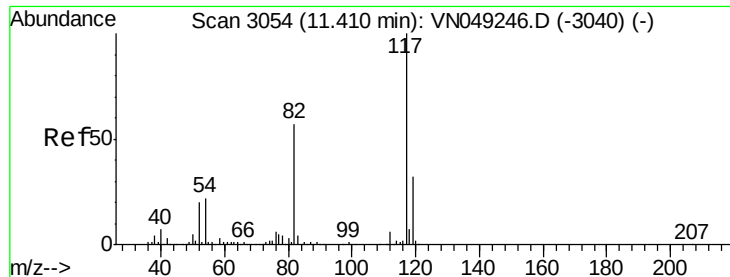
#51
 Ethyl methacrylate
 Concen: 0.300 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.34 min
 Lab File: VN049760.D
 Acq: 11 Jul 2018 16:54

Tgt Ion: 69 Resp: 5920
 Ion Ratio Lower Upper
 69 100
 41 84.2 31.9 95.9
 39 24.7 16.7 50.1



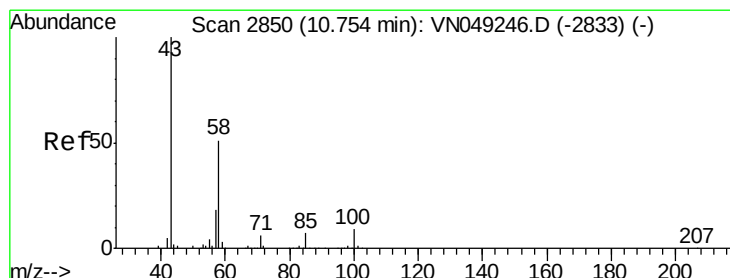
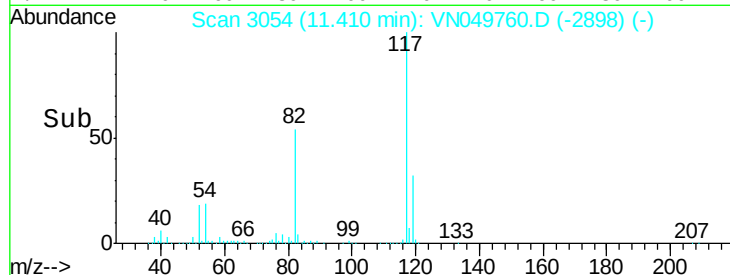
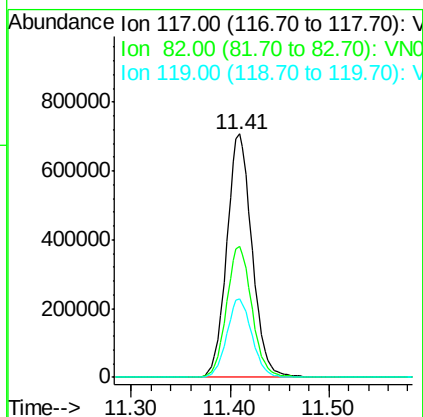
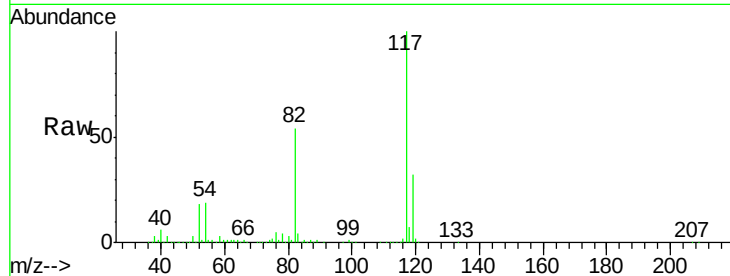
Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





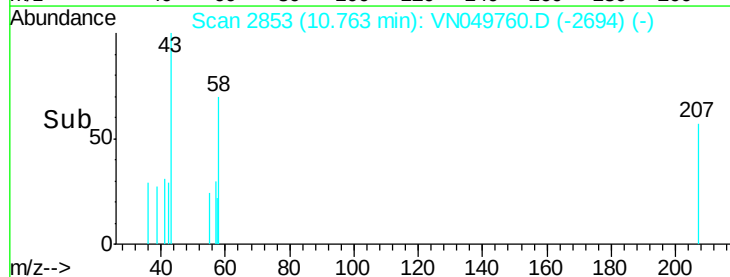
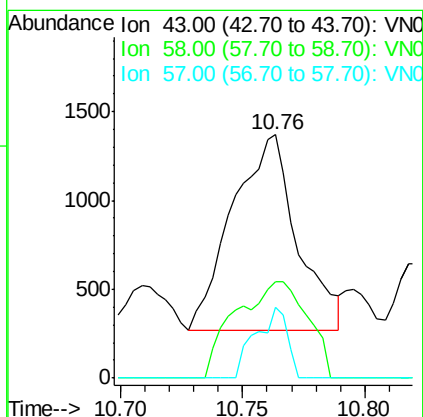
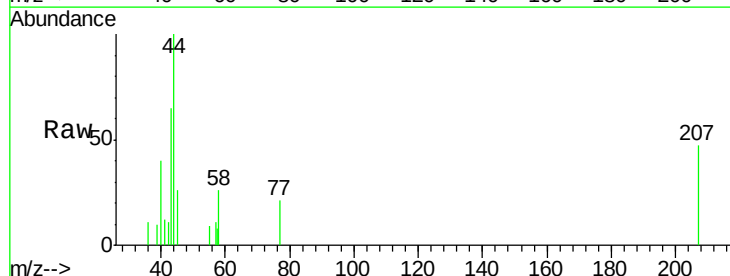
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049760.D
Acq: 11 Jul 2018 16:54

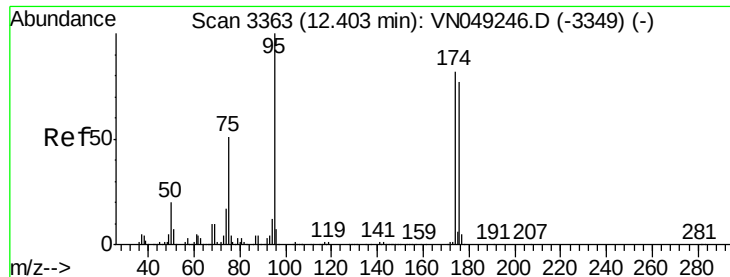
Tgt Ion: 117 Resp: 1269253
Ion Ratio Lower Upper
117 100
82 54.0 42.4 63.6
119 32.2 25.4 38.0



#59
2-Hexanone
Concen: 0.220 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN049760.D
Acq: 11 Jul 2018 16:54

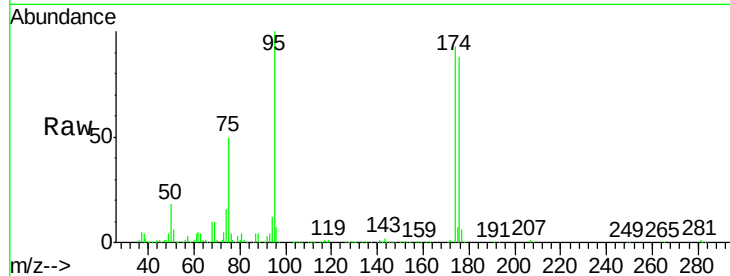
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
58 35.8 43.8 65.8#
57 8.7 15.1 22.7#



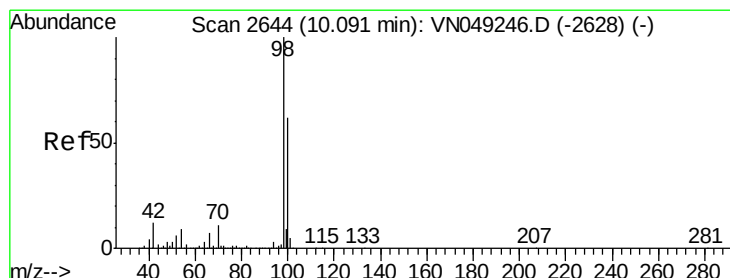
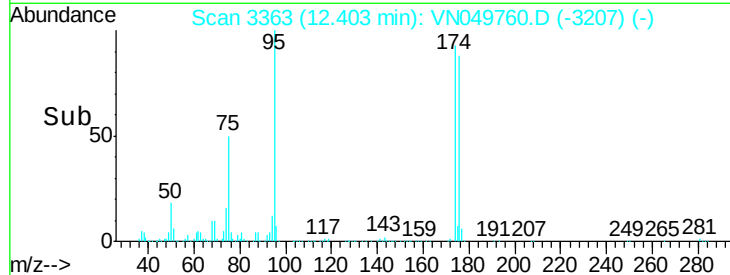
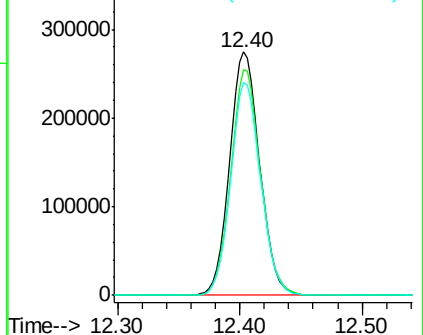


#60
4-Bromofluorobenzene
Concen: 24.082 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049760.D
Acq: 11 Jul 2018 16:54

Tgt Ion: 95 Resp: 471844
Ion Ratio Lower Upper
95 100
174 91.8 72.3 108.5
176 87.1 70.0 105.0

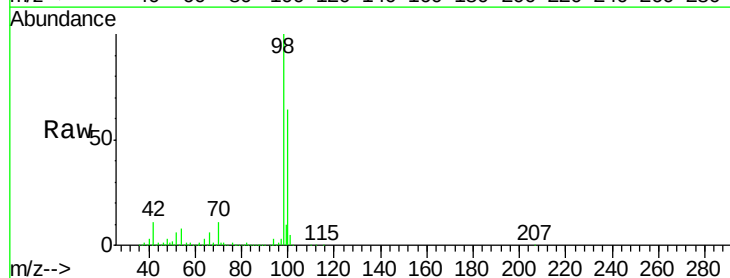


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

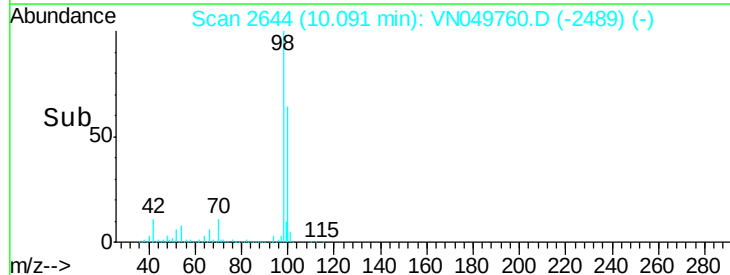
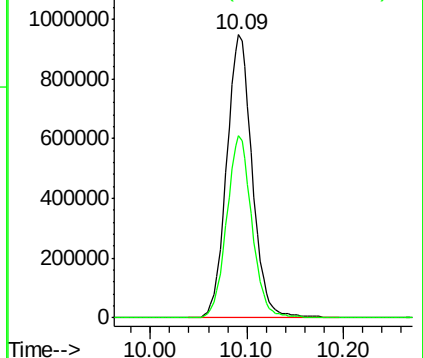


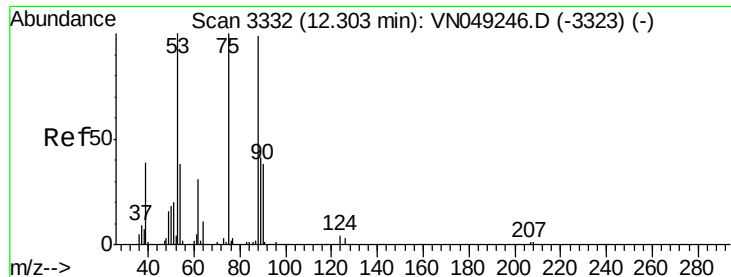
#63
Toluene-d8
Concen: 29.341 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049760.D
Acq: 11 Jul 2018 16:54

Tgt Ion: 98 Resp: 1740203
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 43.194 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049760.D
Acq: 11 Jul 2018 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	44.6	134.0#
89	0.2	20.7	62.1#

