

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054146.D
 Acq On : 11 Mar 2019 17:32
 Operator : JC/SP
 Sample : PB117776TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117776TB

Quant Time: Mar 12 03:23:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1599001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2602305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2615272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1087469	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	859559	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
35) Dibromofluoromethane	7.59	113	821796	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.09	98	3198559	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.40	95	1180461	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	

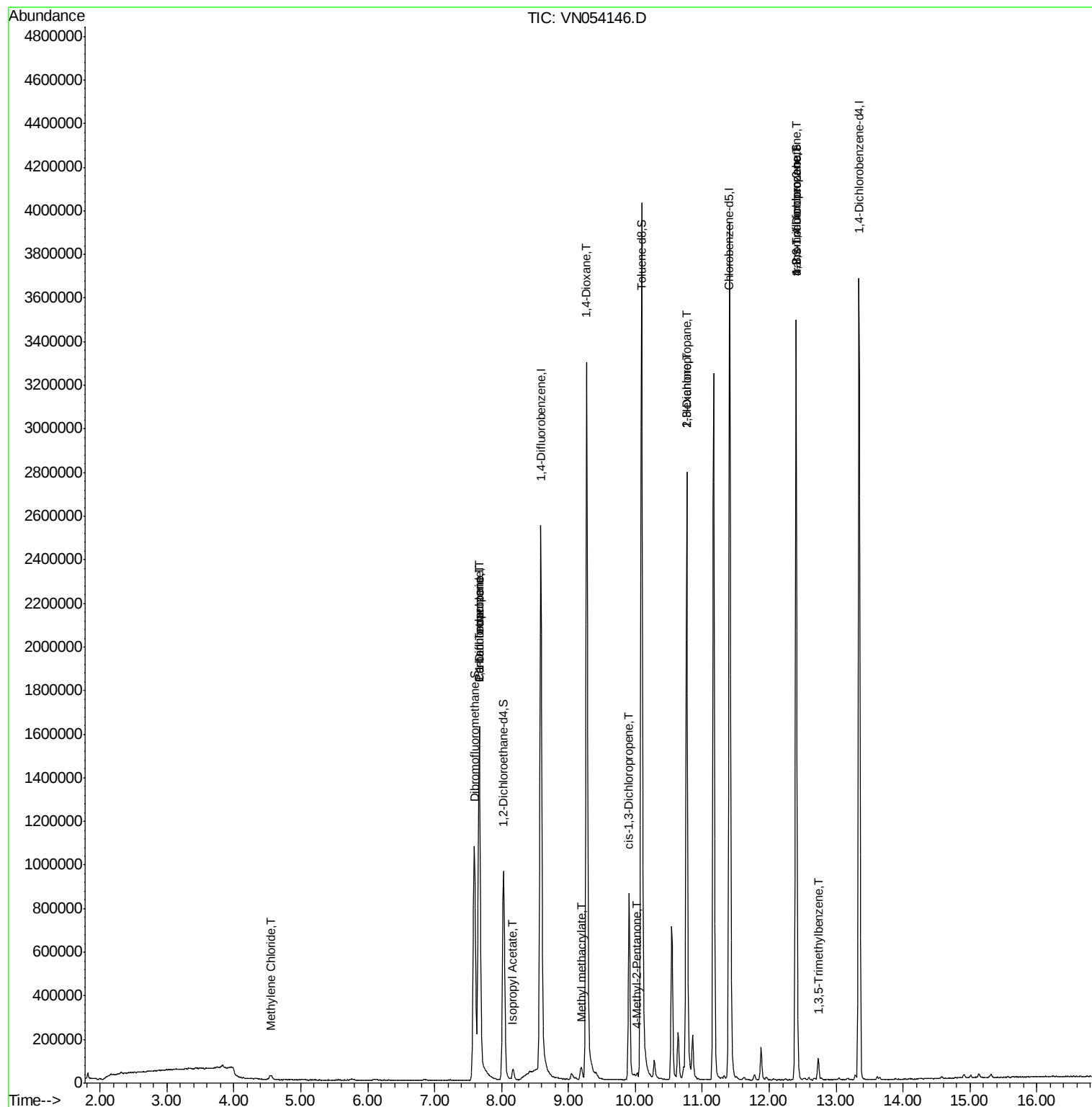
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	22765	Below Cal		88
20) Methylene Chloride	4.55	84	15470	1.006	ug/l #	80
31) Cyclohexane	7.67	56	24303	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	94167	4.158	ug/l #	49
38) Carbon Tetrachloride	7.67	117	132960	5.296	ug/l #	15
43) Isopropyl Acetate	8.17	43	58833	2.410	ug/l #	85
48) Methyl methacrylate	9.19	41	18659	1.422	ug/l #	13
49) 1,4-Dioxane	9.27	88	664	3.899	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	19676	1.503	ug/l #	37
54) cis-1,3-Dichloropropene	9.90	75	177806	6.649	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	32976	1.297	ug/l #	43
59) 2-Hexanone	10.77	43	433130	49.840	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	568263	37.004	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	52559	0.733	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	568263	110.150	ug/l #	11

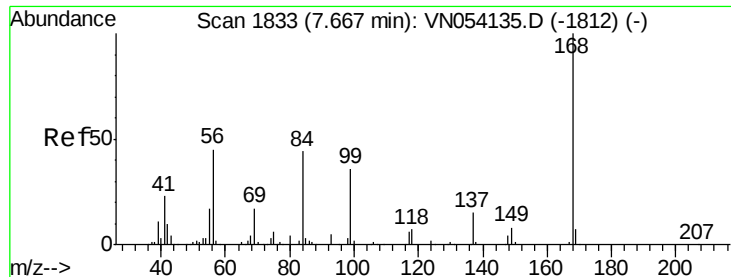
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 12 00:55:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampleId :

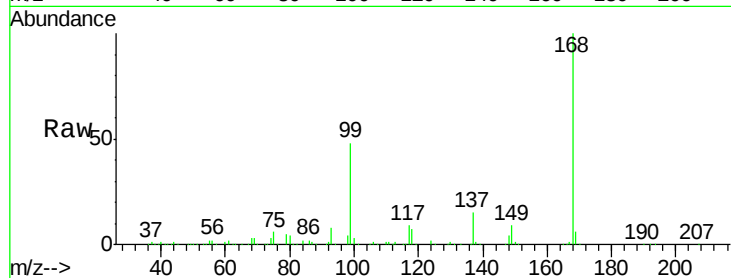
PB117776TB

Tot Ion:168 Resp: 1599001

Ion Ratio Lower Upper

168 100

99 48.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

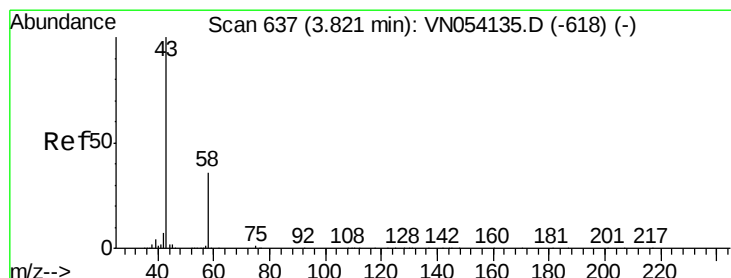
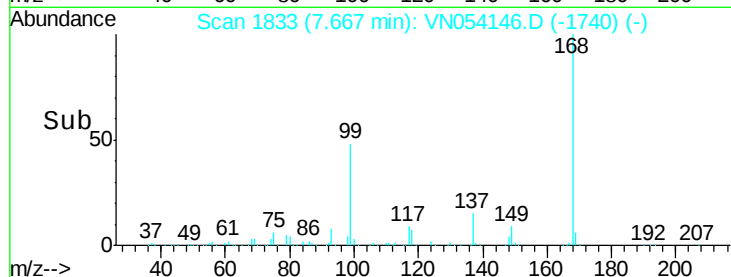
600000

400000

200000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054146.D

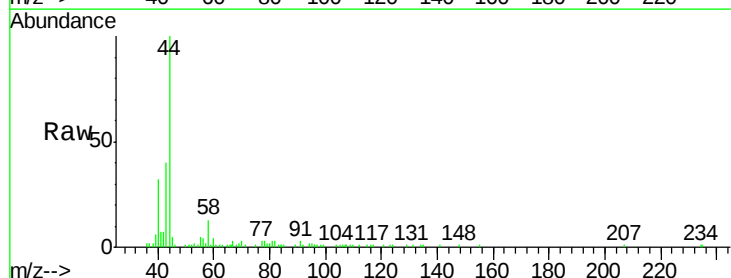
Acq: 11 Mar 2019 17:32

Tgt Ion: 43 Resp: 22765

Ion Ratio Lower Upper

43 100

58 39.7 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

12000

10000

8000

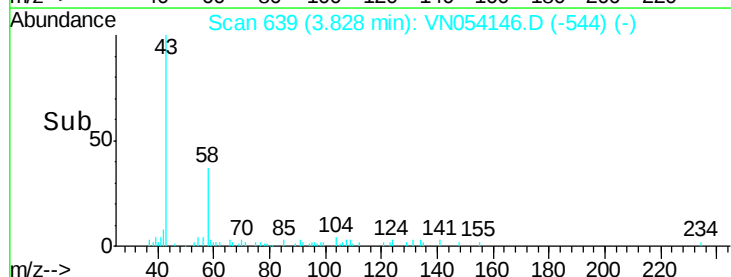
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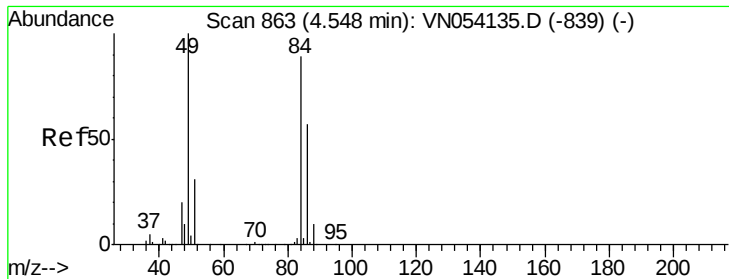
4000

2000

0

Time-->





#20

Methvlene Chloride

Concen: 1.006 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB117776TB

Tot Ion: 84 Resp: 15470

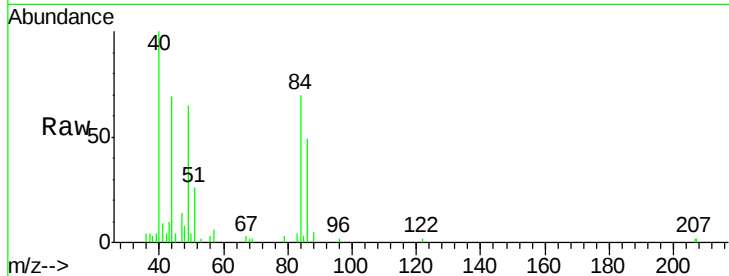
Ion Ratio Lower Upper

84 100

49 92.7 101.8 152.8#

51 36.5 31.1 46.7

86 69.8 49.7 74.5

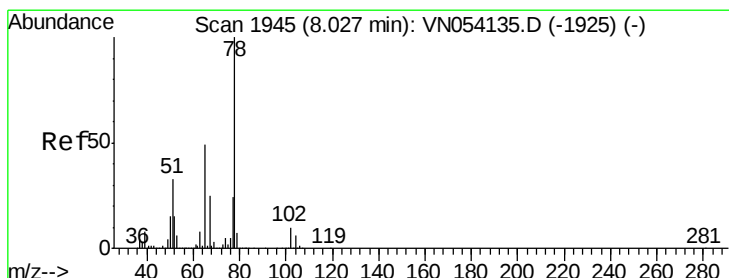
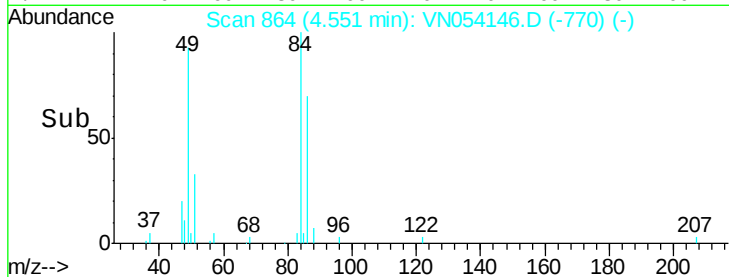
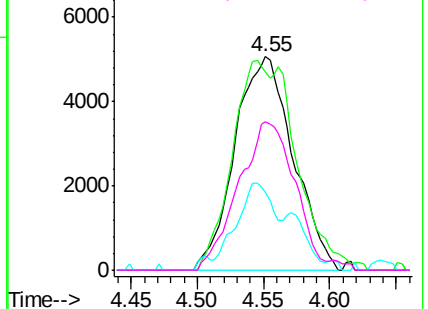


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.266 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054146.D

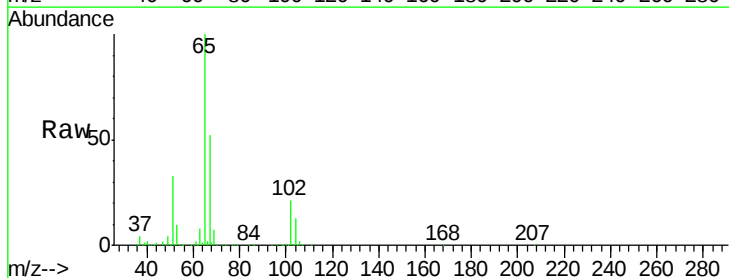
Acq: 11 Mar 2019 17:32

Tgt Ion: 65 Resp: 859559

Ion Ratio Lower Upper

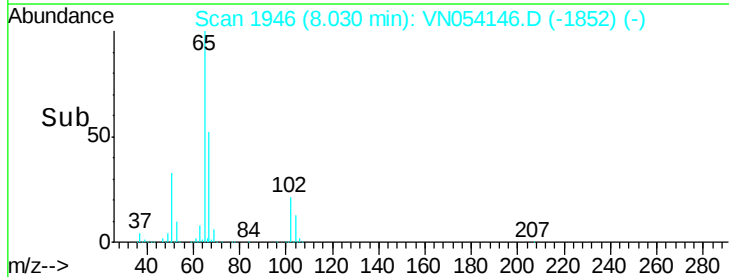
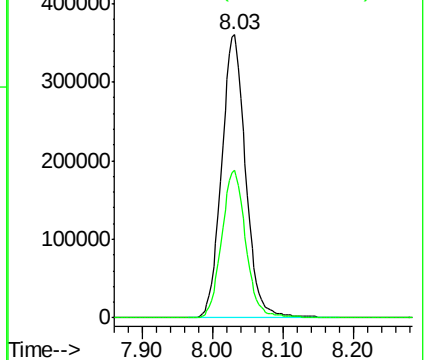
65 100

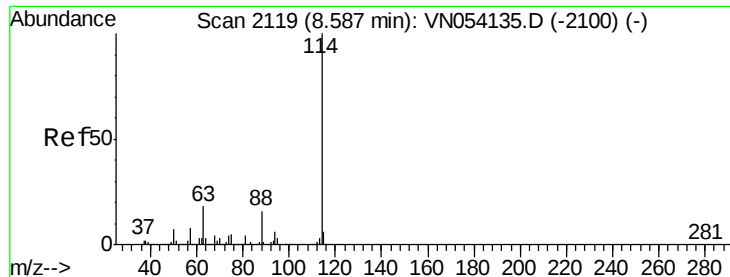
67 51.9 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

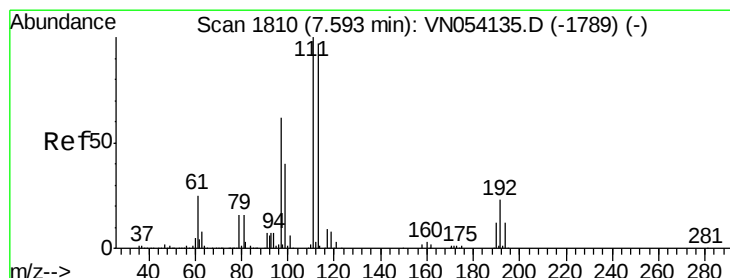
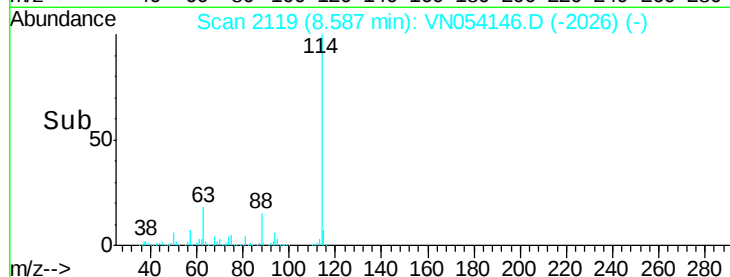
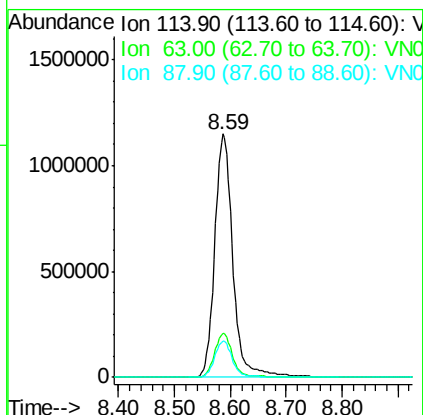
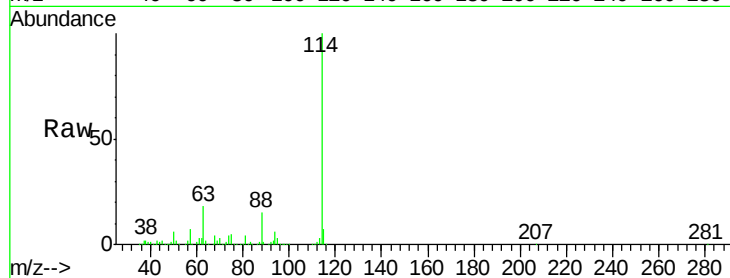




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054146.D
Acq: 11 Mar 2019 17:32

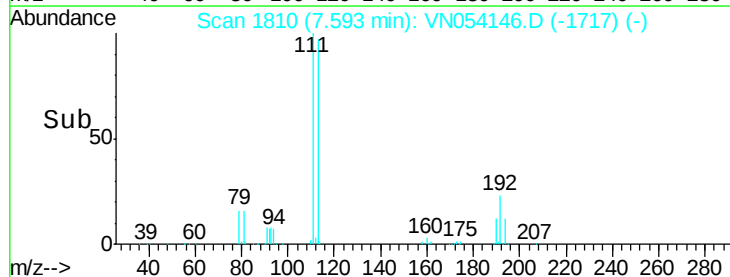
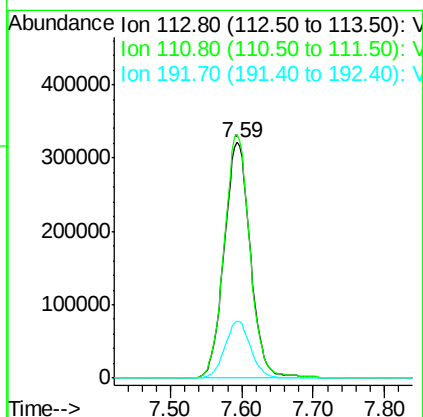
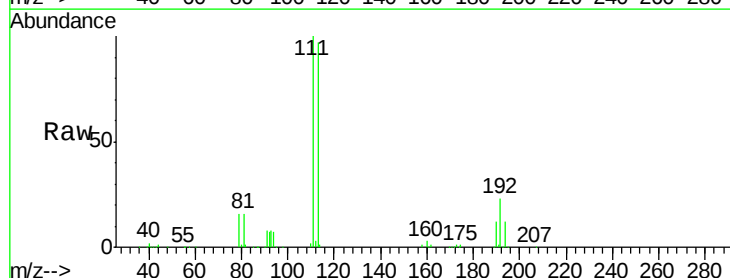
Instrument :
MSVOA_N
ClientSampleId :
PB117776TB

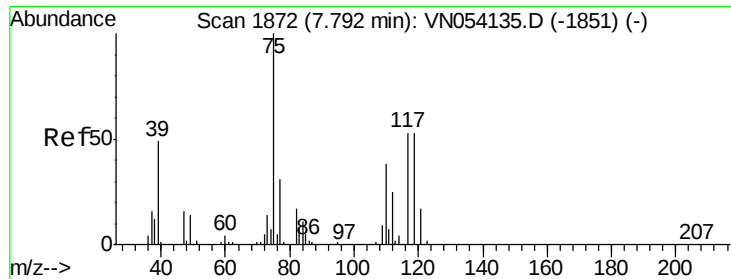
Tot Ion:114 Resp: 2602305
Ion Ratio Lower Upper
114 100
63 18.0 0.0 42.6
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.947 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054146.D
Acq: 11 Mar 2019 17:32

Tgt Ion:113 Resp: 821796
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 23.7 17.4 26.0

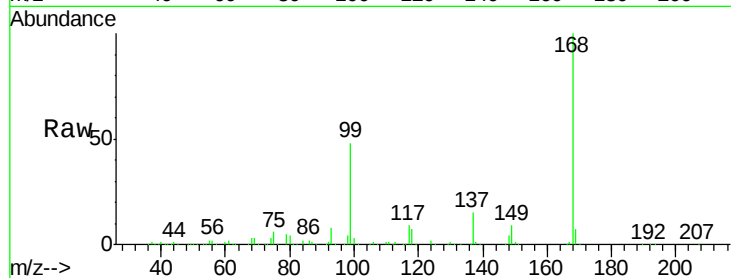




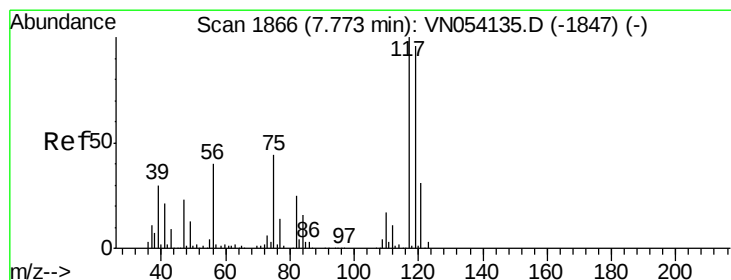
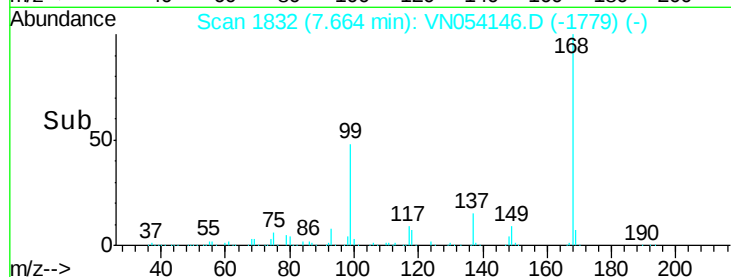
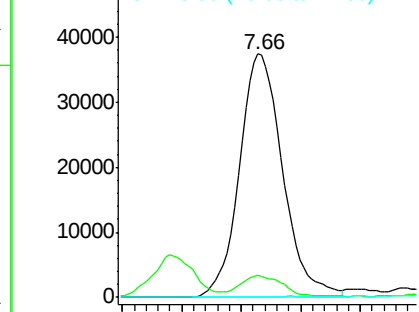
#36
 1,1-Dichloropropene
 Concen: 4.158 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054146.D
 Acq: 11 Mar 2019 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117776TB

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.0	25.3	37.9#

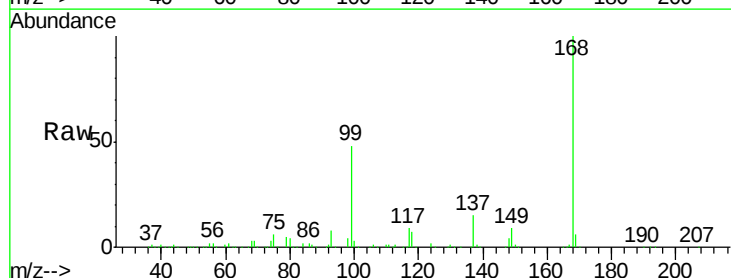


Abundance Ion 74.90 (74.60 to 75.60): VN054146.D (-1779) (-)
 Ion 109.90 (109.60 to 110.60): VN054146.D (-1779) (-)
 Ion 76.90 (76.60 to 77.60): VN054146.D (-1779) (-)

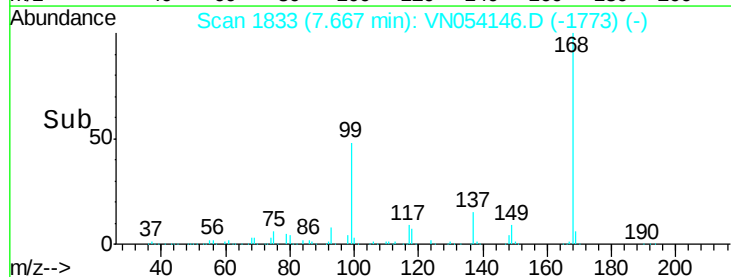
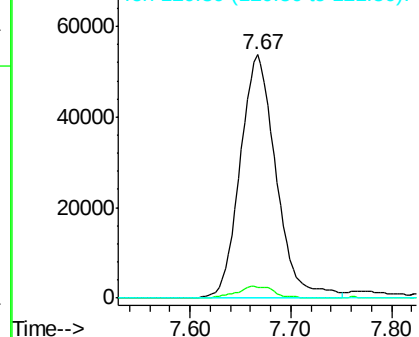


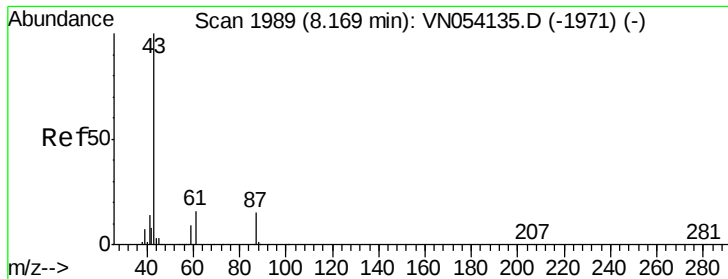
#38
 Carbon Tetrachloride
 Concen: 5.296 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054146.D
 Acq: 11 Mar 2019 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.0	115.6#
121	0.0	24.3	36.5#



Abundance Ion 116.80 (116.50 to 117.50): VN054146.D (-1773) (-)
 Ion 118.80 (118.50 to 119.50): VN054146.D (-1773) (-)
 Ion 120.80 (120.50 to 121.50): VN054146.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 2.410 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB117776TB

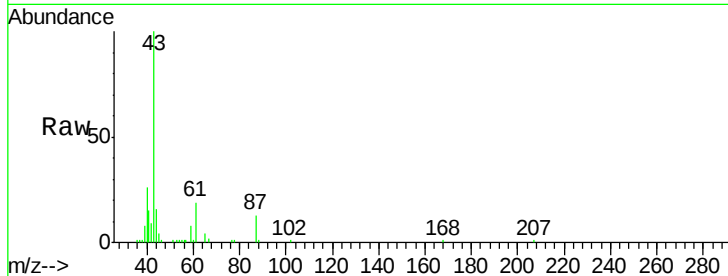
Tot Ion: 43 Resp: 58833

Ion Ratio Lower Upper

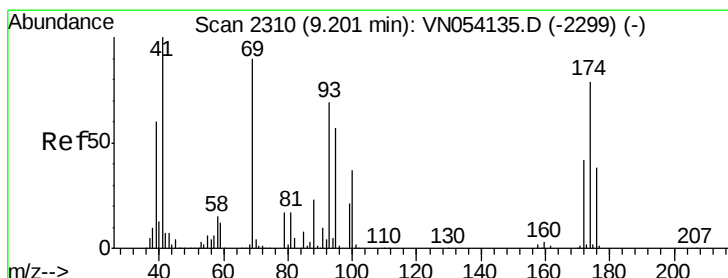
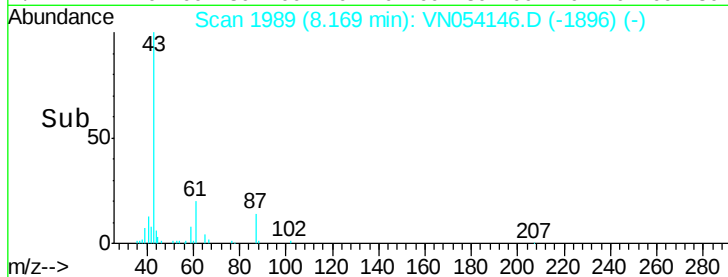
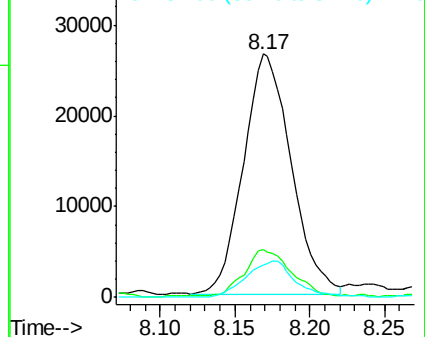
43 100

61 18.5 22.5 33.7#

87 15.4 10.1 15.1#



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: 1.422 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

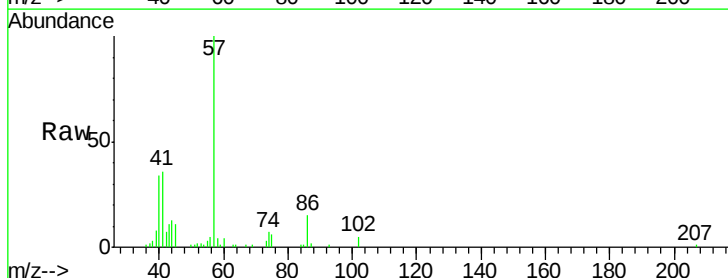
Tgt Ion: 41 Resp: 18659

Ion Ratio Lower Upper

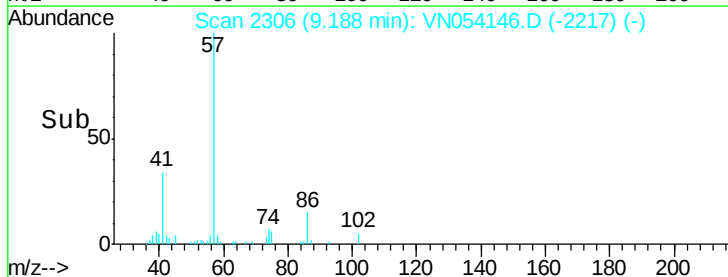
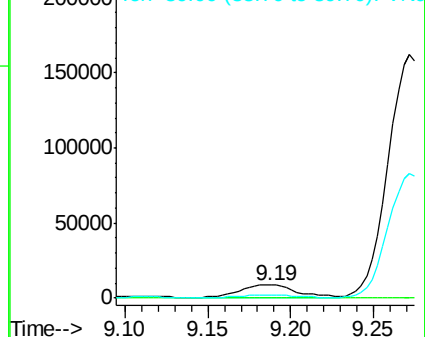
41 100

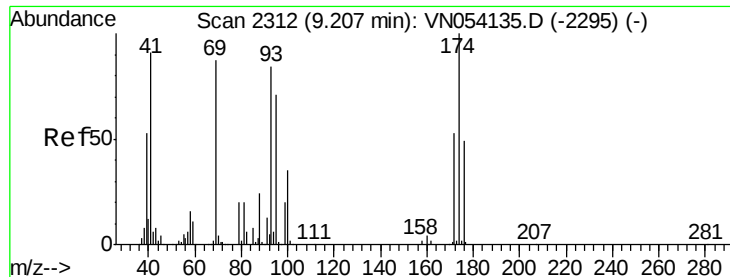
69 0.8 71.0 106.4#

39 0.0 43.7 65.5#



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





#49

1,4-Dioxane

Concen: 3.899 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.06 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB117776TB

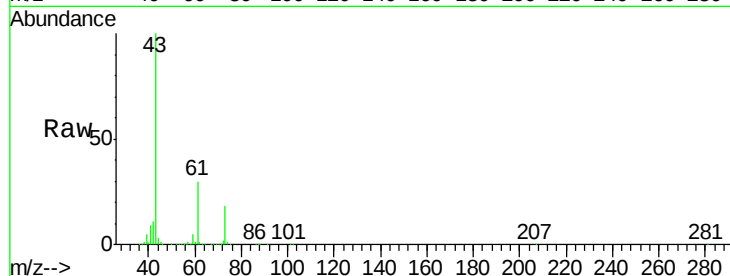
Tot Ion: 88 Resp: 664

Ion Ratio Lower Upper

88 100

43 525913.4 25.5 38.3#

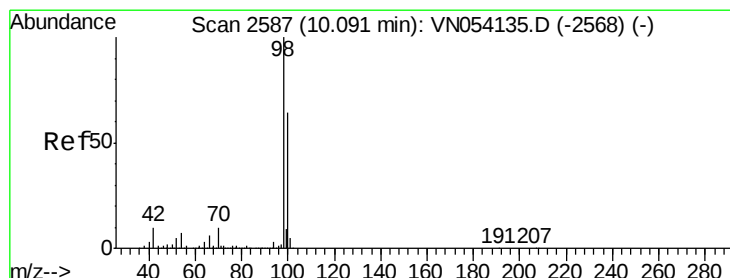
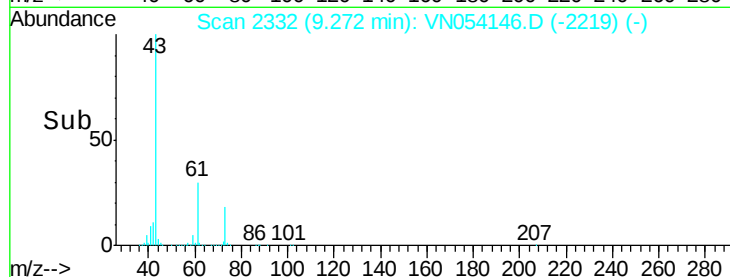
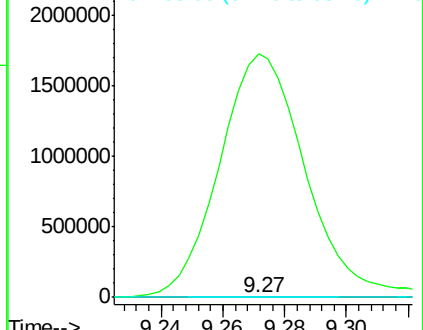
58 2035.7 58.3 87.5#



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



#50

Toluene-d8

Concen: 51.713 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054146.D

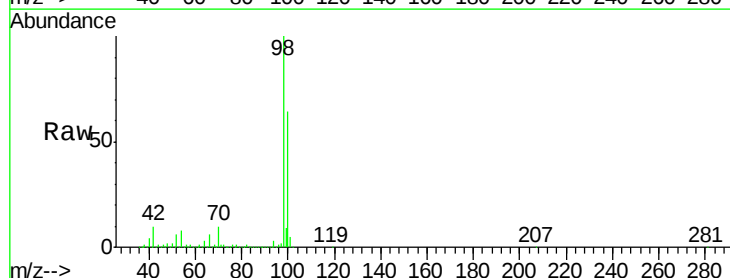
Acq: 11 Mar 2019 17:32

Tgt Ion: 98 Resp: 3198559

Ion Ratio Lower Upper

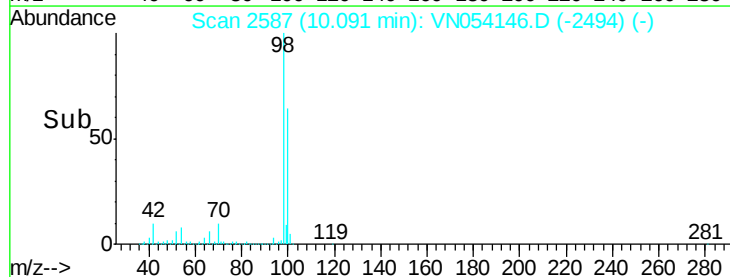
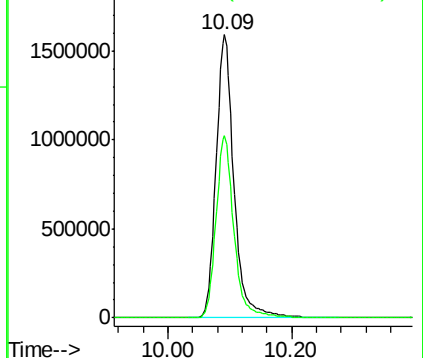
98 100

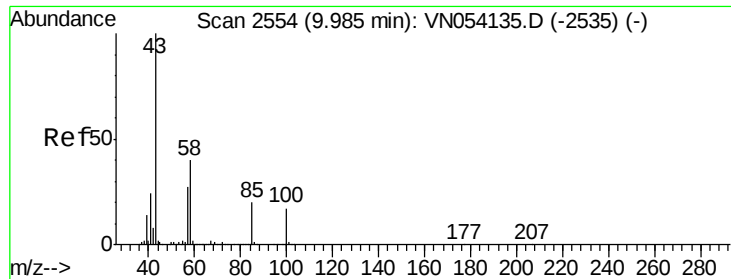
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

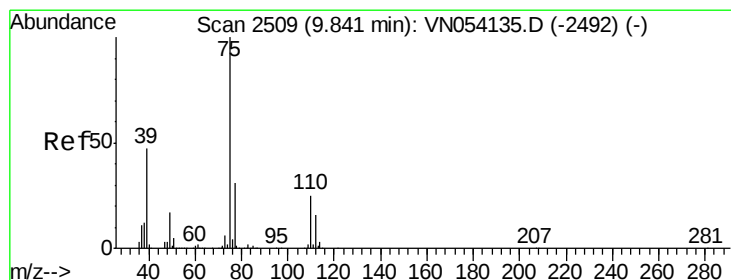
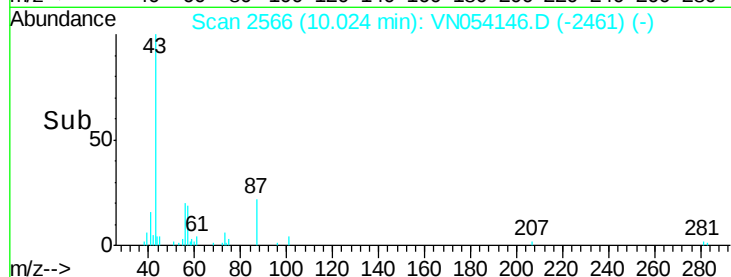
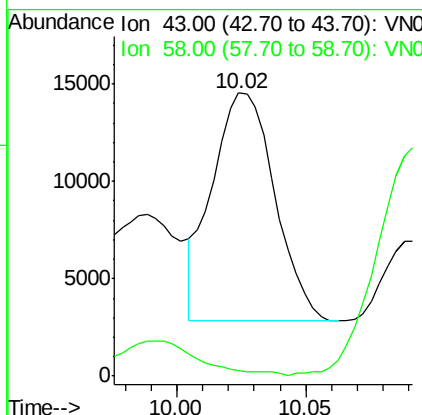
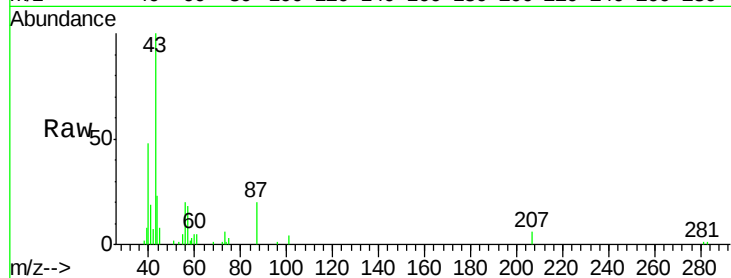




#51
 4-Methyl-2-Pentanone
 Concen: 1.503 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN054146.D
 Acq: 11 Mar 2019 17:32

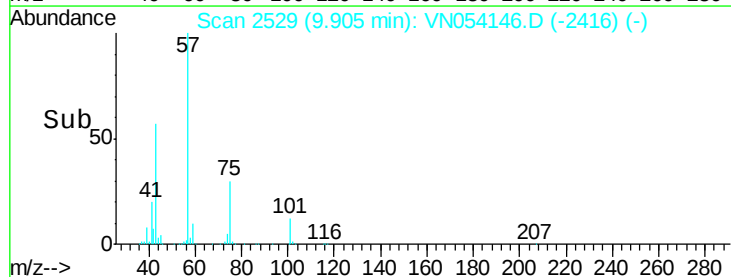
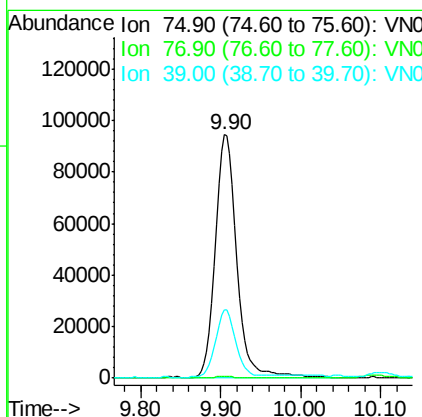
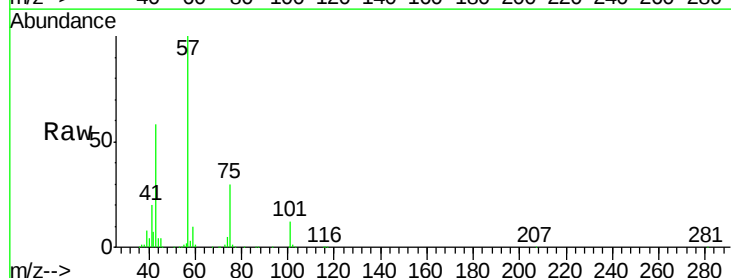
Instrument :
 MSVOA_N
 ClientSampleID :
 PB117776TB

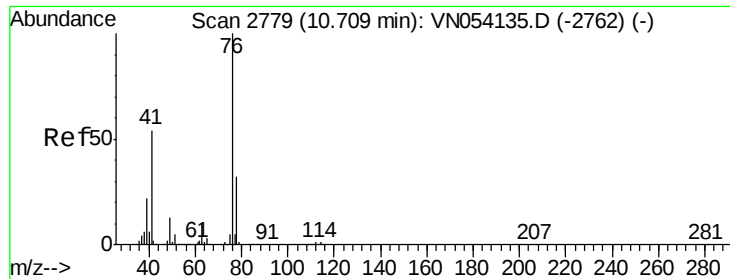
Tot Ion: 43 Resp: 19676
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.649 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN054146.D
 Acq: 11 Mar 2019 17:32

Tgt Ion: 75 Resp: 177806
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 27.8 36.2 54.2#





#57

1,3-Dichloropropane

Concen: 1.297 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampleId :

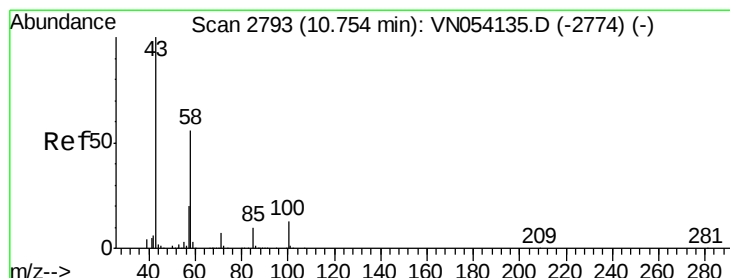
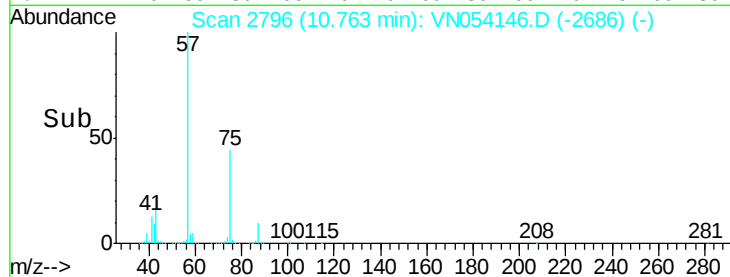
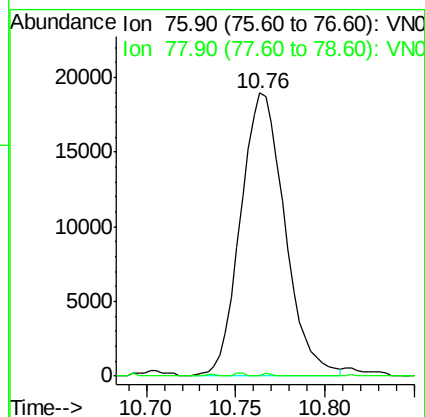
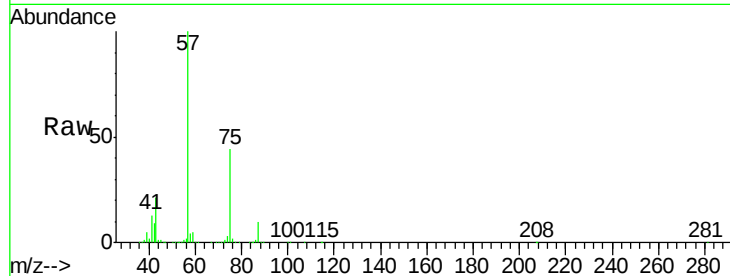
PB117776TB

Tot Ion: 76 Resp: 32976

Ion Ratio Lower Upper

76 100

78 0.2 25.9 38.9#



#59

2-Hexanone

Concen: 49.840 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054146.D

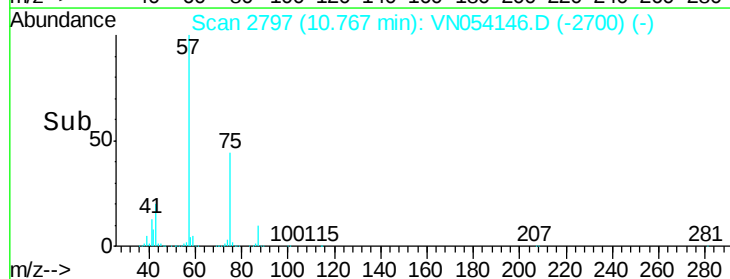
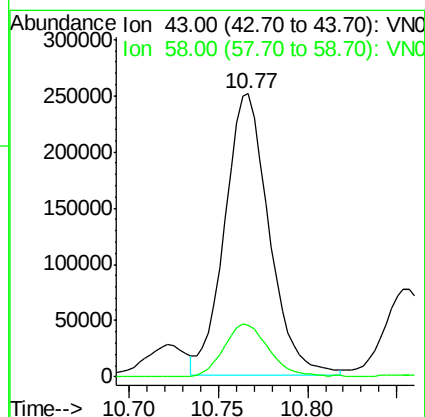
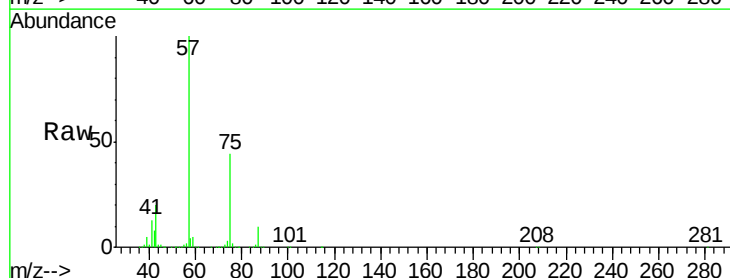
Acq: 11 Mar 2019 17:32

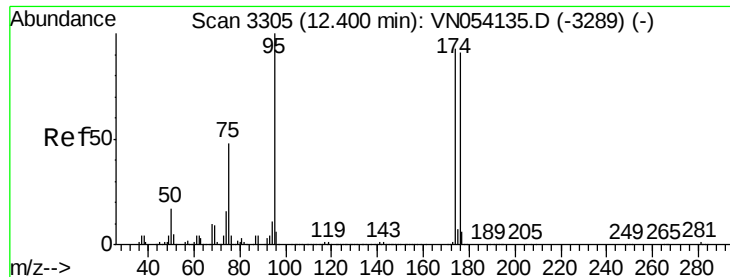
Tgt Ion: 43 Resp: 433130

Ion Ratio Lower Upper

43 100

58 19.3 27.0 81.0#

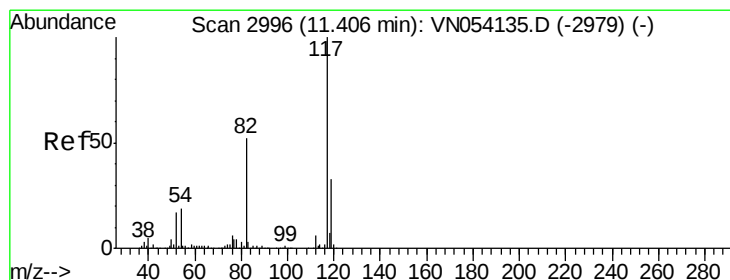
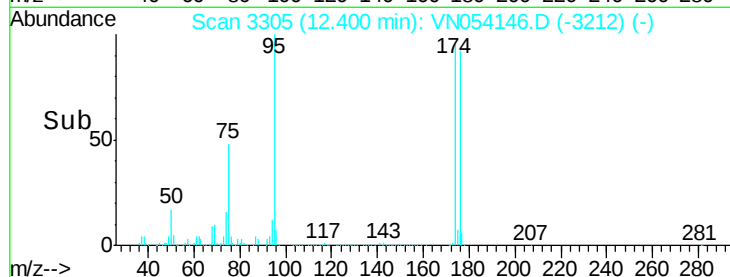
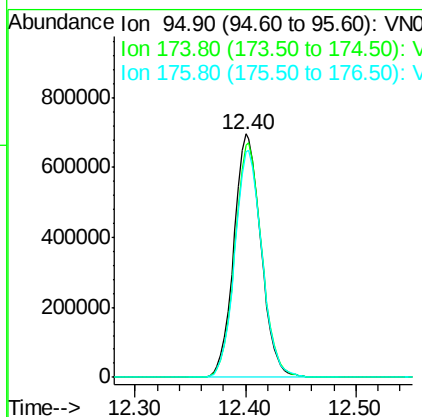
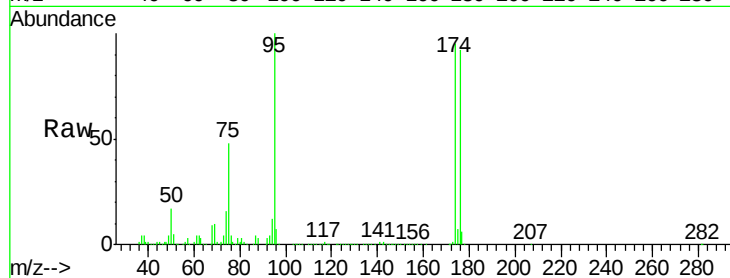




#62
4-Bromofluorobenzene
Concen: 54.514 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054146.D
Acq: 11 Mar 2019 17:32

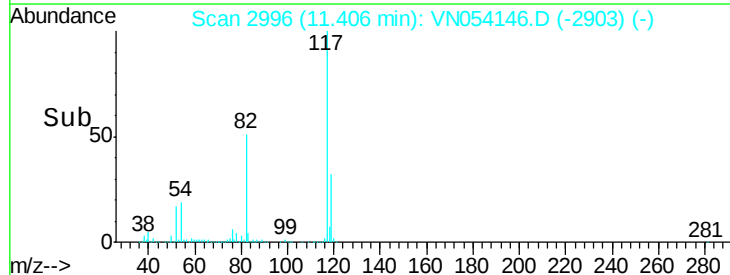
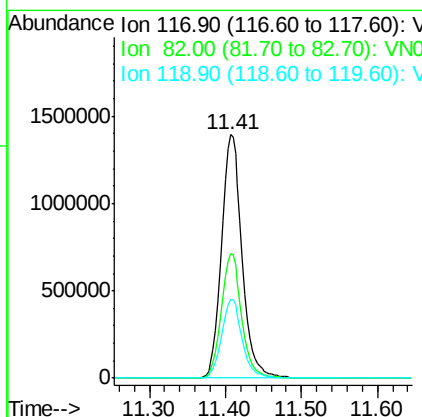
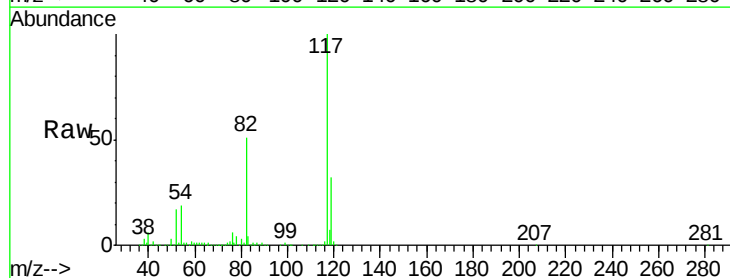
Instrument :
MSVOA_N
ClientSampleId :
PB117776TB

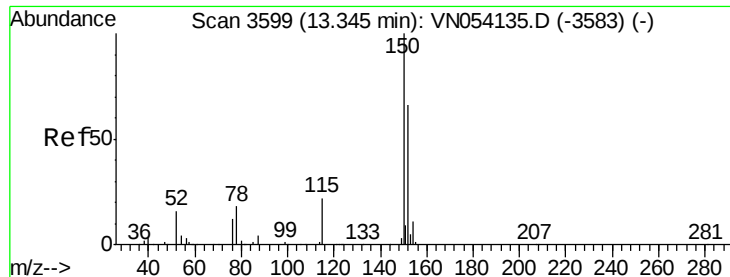
Tot Ion: 95 Resp: 1180461
Ion Ratio Lower Upper
95 100
174 96.0 0.0 173.2
176 93.5 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054146.D
Acq: 11 Mar 2019 17:32

Tgt Ion: 117 Resp: 2615272
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.2
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampled :

PB117776TB

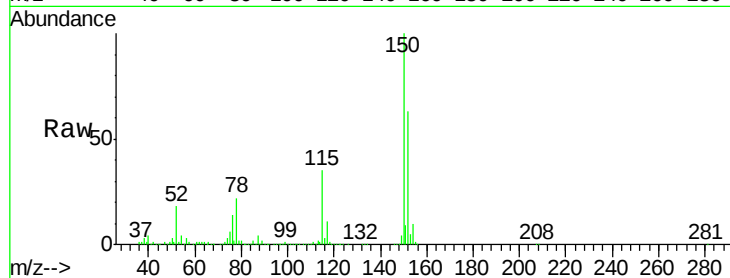
Tot Ion:152 Resp: 1087469

Ion Ratio Lower Upper

152 100

115 54.4 28.5 85.6

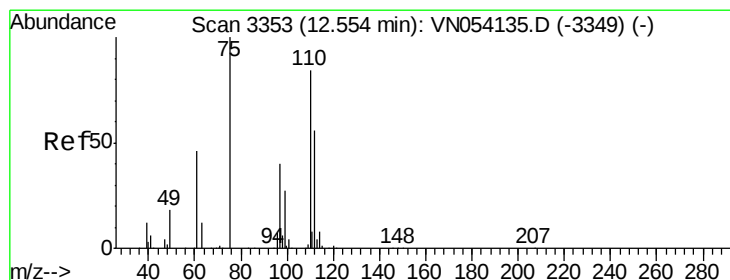
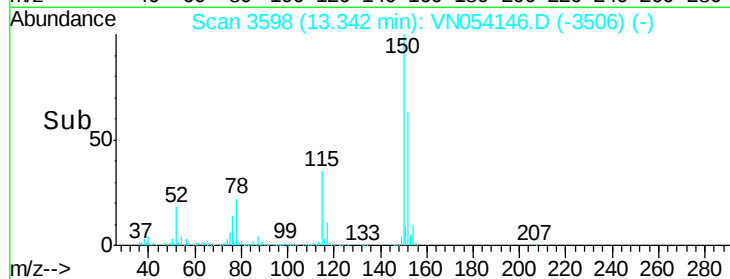
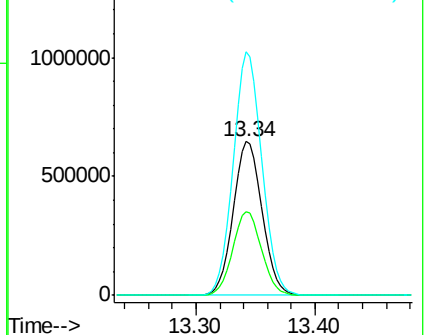
150 156.5 0.0 343.2



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



#76

1,2,3-Trichloropropane

Concen: 37.004 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054146.D

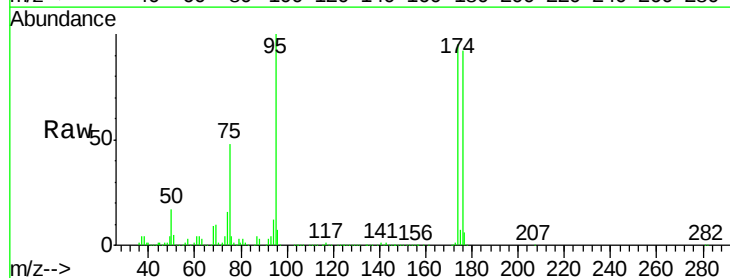
Acq: 11 Mar 2019 17:32

Tgt Ion: 75 Resp: 568263

Ion Ratio Lower Upper

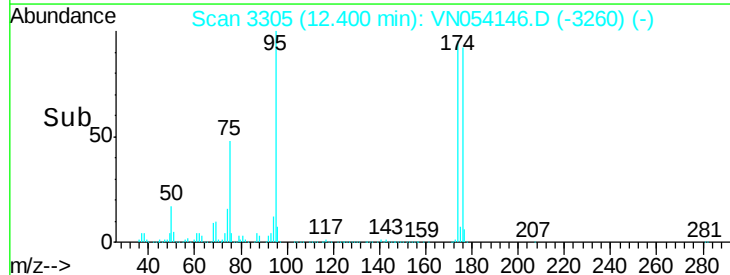
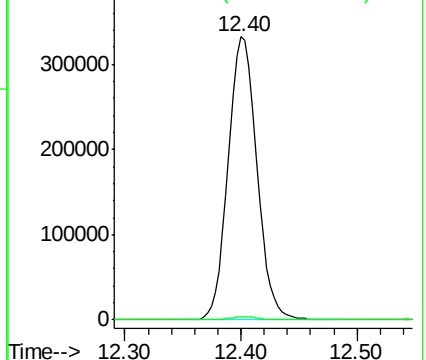
75 100

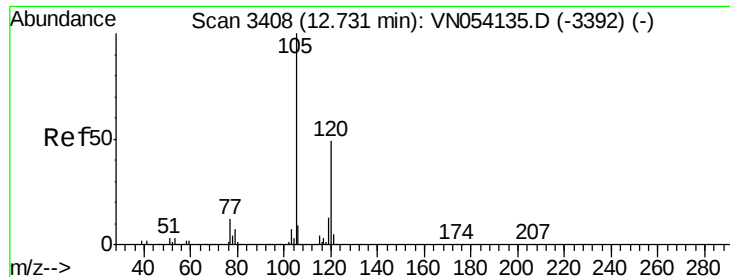
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.733 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Instrument :

MSVOA_N

ClientSampleId :

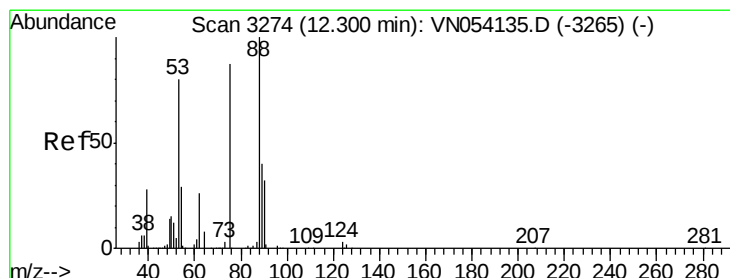
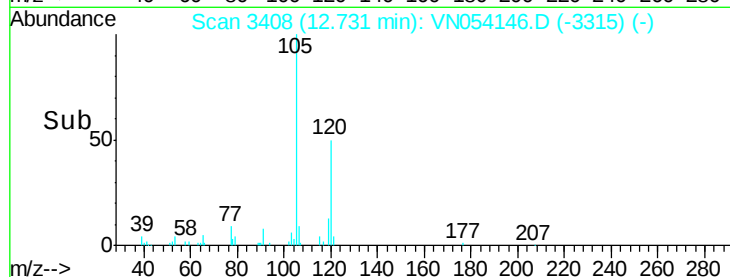
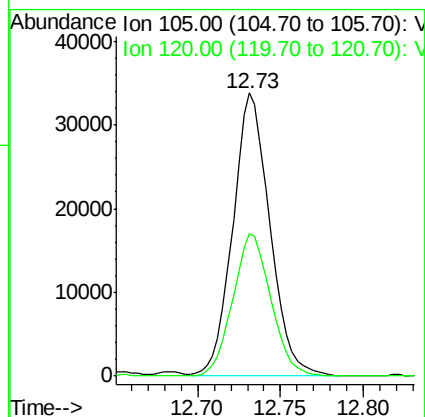
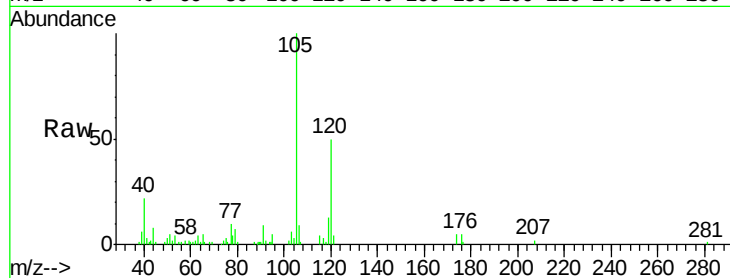
PB117776TB

Tot Ion:105 Resp: 52559

Ion Ratio Lower Upper

105 100

120 51.5 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 110.150 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054146.D

Acq: 11 Mar 2019 17:32

Tgt Ion: 75 Resp: 568263

Ion Ratio Lower Upper

75 100

53 0.0 76.4 114.6#

89 0.0 35.3 52.9#

