

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054318.D
 Acq On : 15 Mar 2019 19:10
 Operator : JC/SP
 Sample : K1932-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-5

Quant Time: Mar 16 03:23:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1279112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2115375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2224235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	892966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	672367	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.59	113	652206	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	10.09	98	2635588	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.40	95	987574	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	

Target Compounds

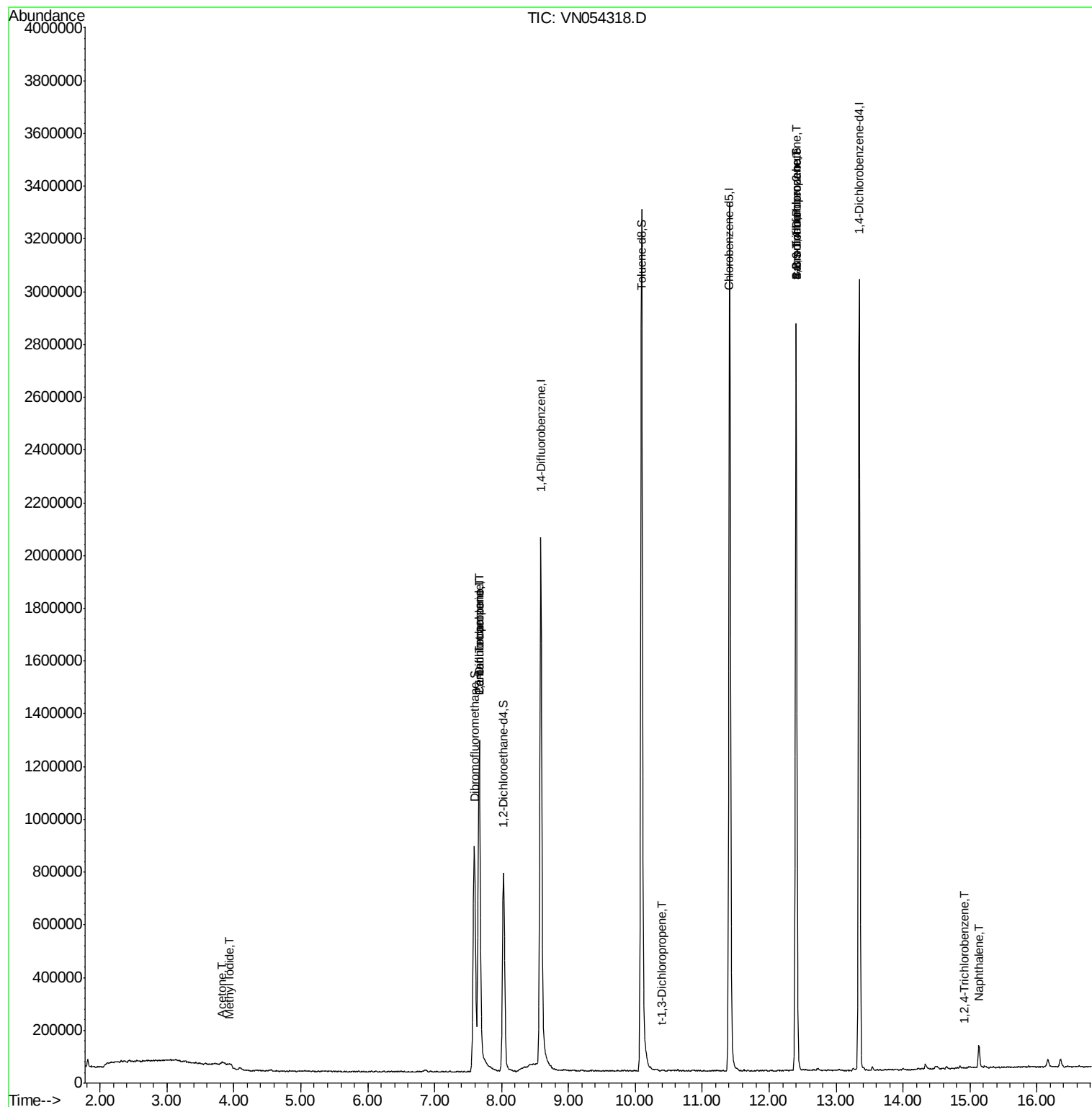
					Qvalue	
10) Methyl Iodide	3.94	142	99	1.502	ug/l #	45
16) Acetone	3.82	43	12508	3.216	ug/l	93
31) Cyclohexane	7.66	56	17455	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	69863	3.586	ug/l #	49
38) Carbon Tetrachloride	7.67	117	102744	5.029	ug/l #	16
53) t-1,3-Dichloropropene	10.39	75	66	1.989	ug/l #	42
71) Bromoform	12.40	173	5820	2.761	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	466200	35.503	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	466200	121.363	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	225	2.528	ug/l	80
95) Naphthalene	15.13	128	78504	5.335	ug/l	99

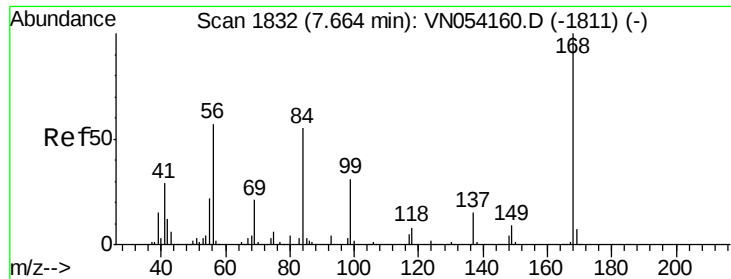
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054318.D

Acq: 15 Mar 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

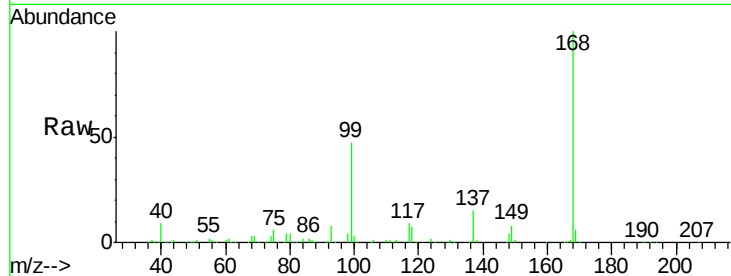
TW-5

Tot Ion:168 Resp: 1279112

Ion Ratio Lower Upper

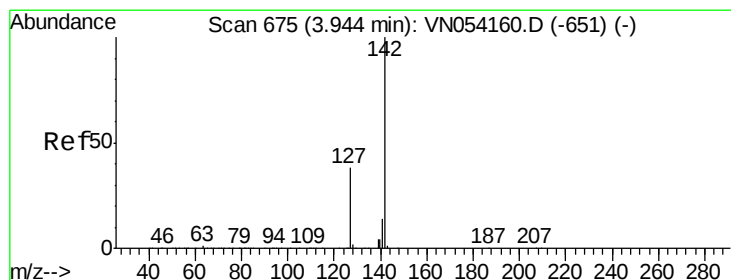
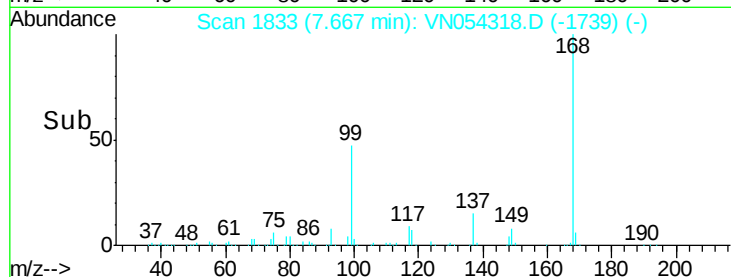
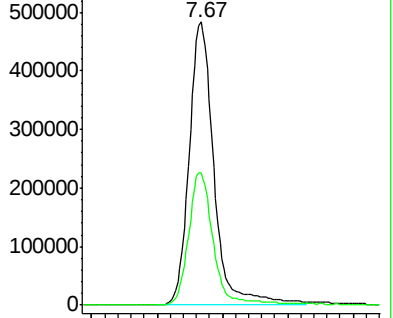
168 100

99 46.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.502 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

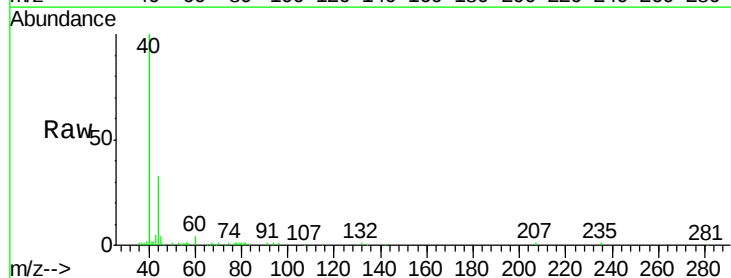
Tgt Ion:142 Resp: 99

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

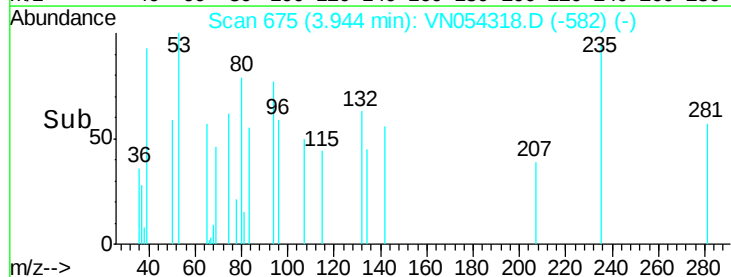
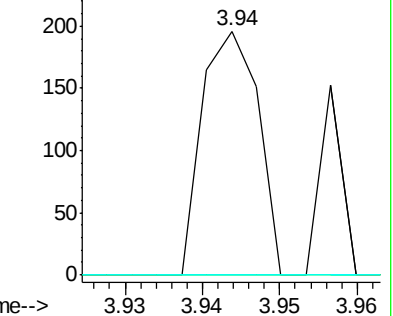
141 0.0 11.2 16.8#

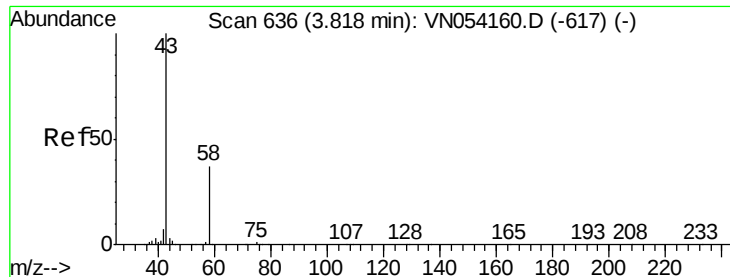


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 3.216 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

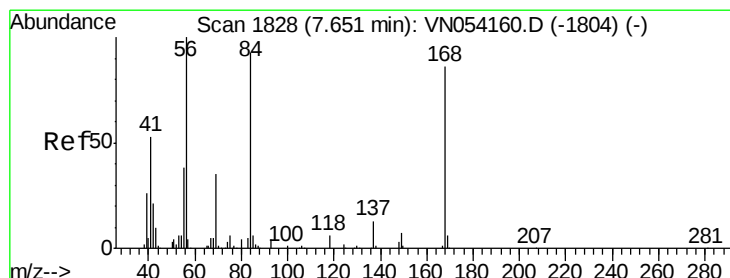
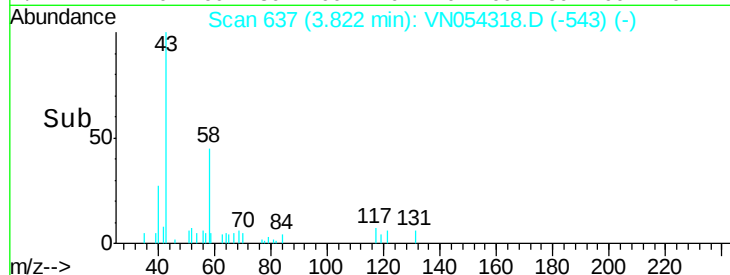
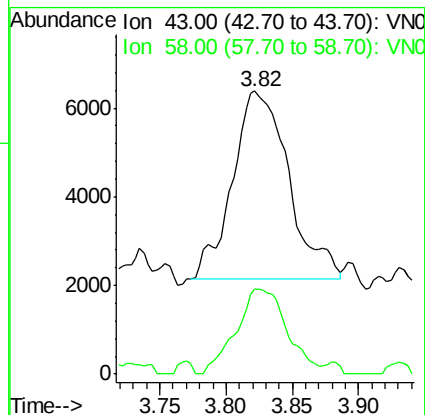
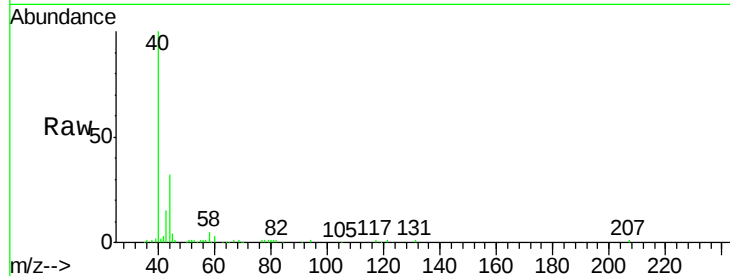
TW-5

Tot Ion: 43 Resp: 12508

Ion Ratio Lower Upper

43 100

58 41.3 29.9 44.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

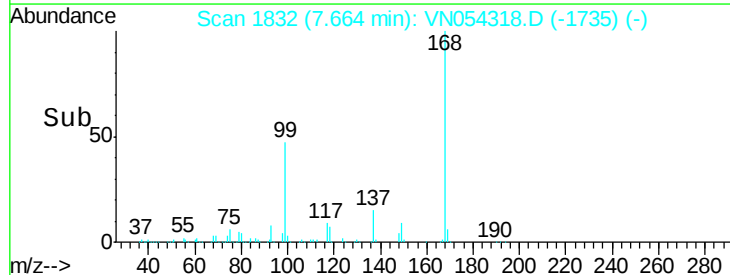
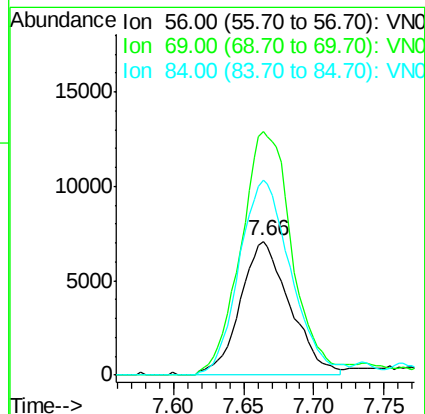
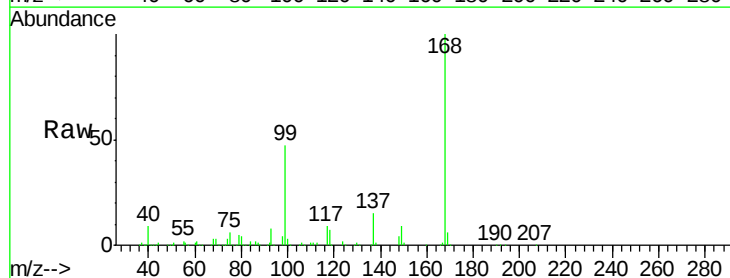
Tgt Ion: 56 Resp: 17455

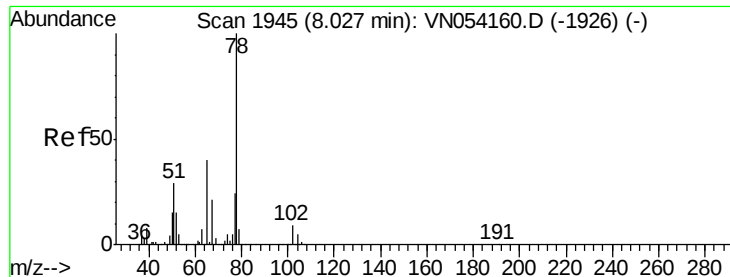
Ion Ratio Lower Upper

56 100

69 181.9 27.8 41.6#

84 145.5 74.6 111.8#

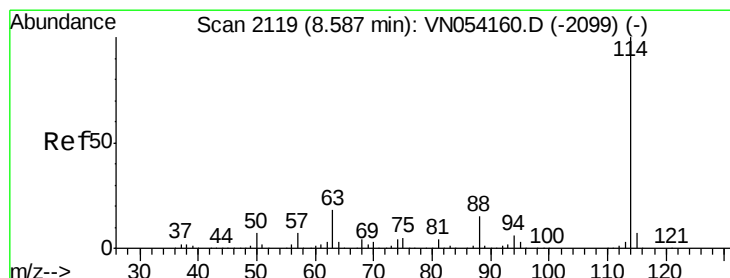
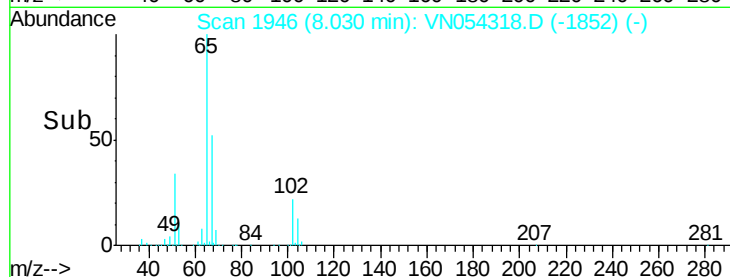
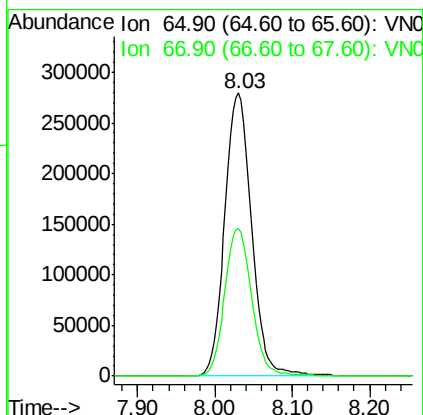
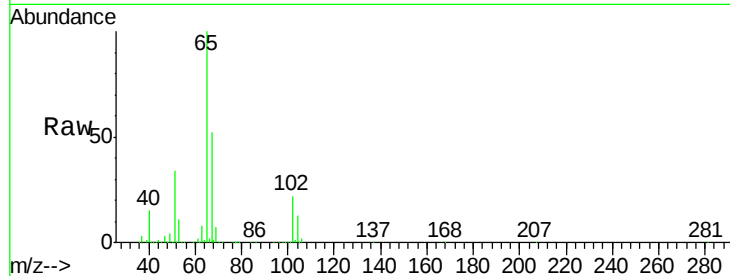




#33
 1,2-Dichloroethane-d4
 Concen: 49.496 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054318.D
 Acq: 15 Mar 2019 19:10

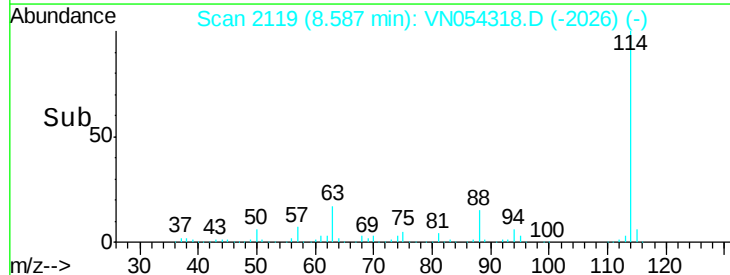
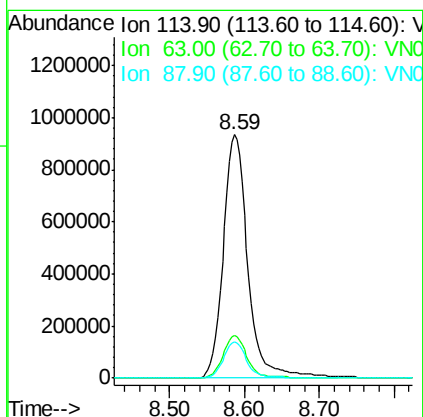
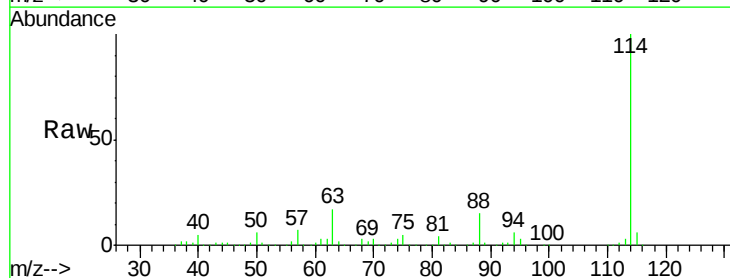
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-5

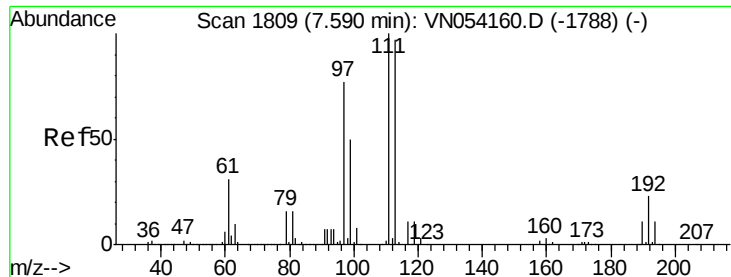
Tot Ion: 65 Resp: 672367
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054318.D
 Acq: 15 Mar 2019 19:10

Tgt Ion: 114 Resp: 2115375
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.8 0.0 30.2

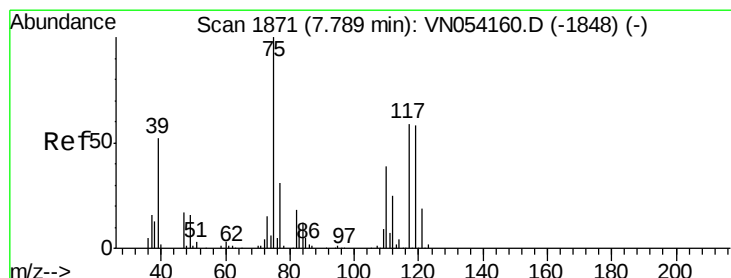
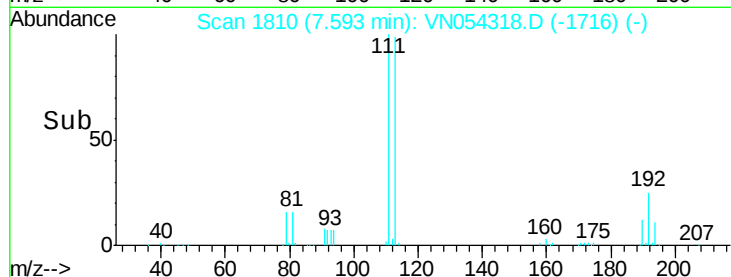
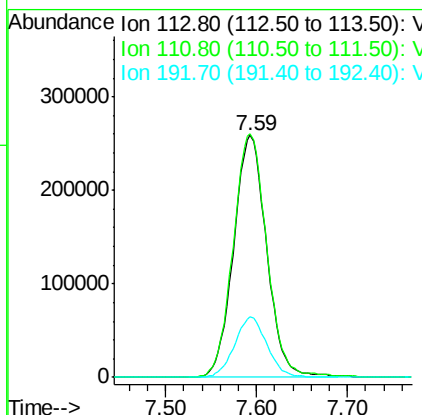
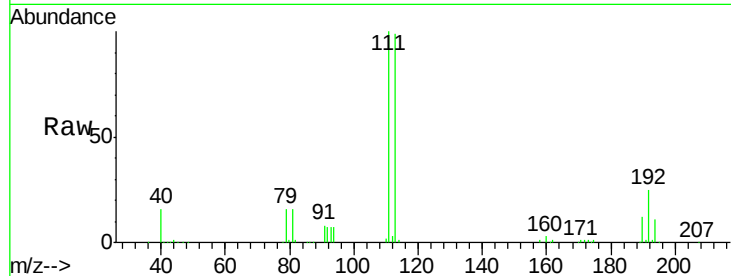




#35
 Dibromofluoromethane
 Concen: 47.804 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054318.D
 Acq: 15 Mar 2019 19:10

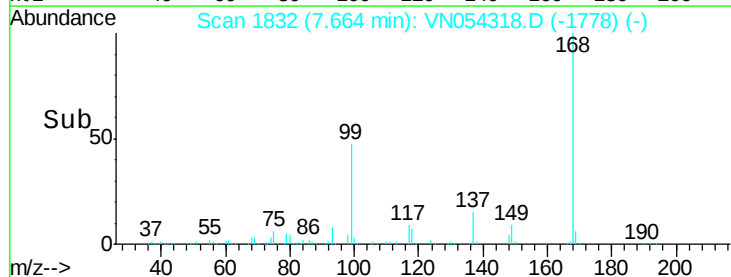
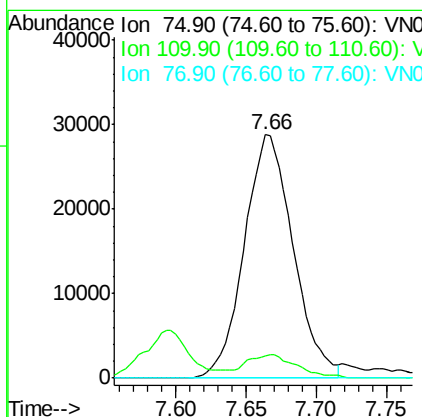
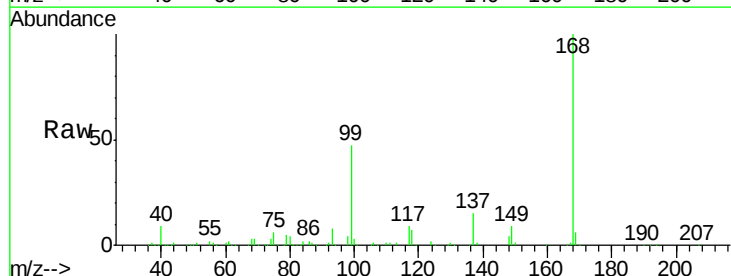
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-5

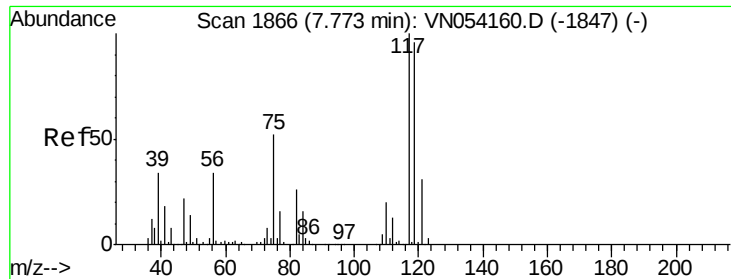
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	24.6	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.586 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054318.D
 Acq: 15 Mar 2019 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.1	57.5#
77	0.0	25.0	37.4#

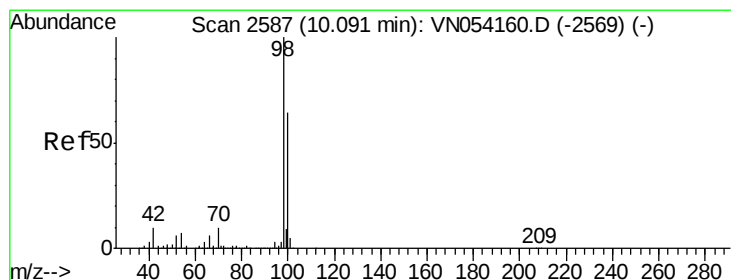
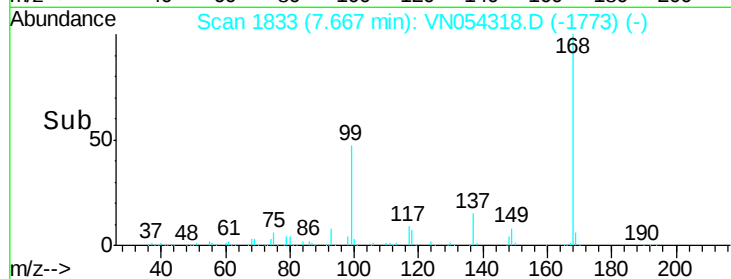
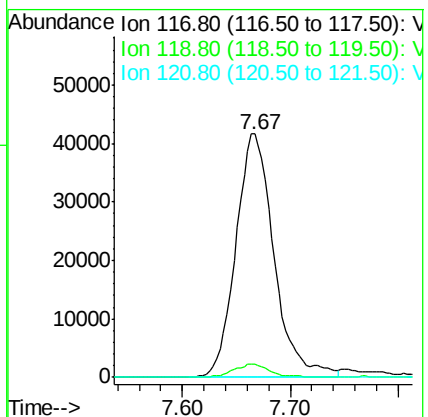
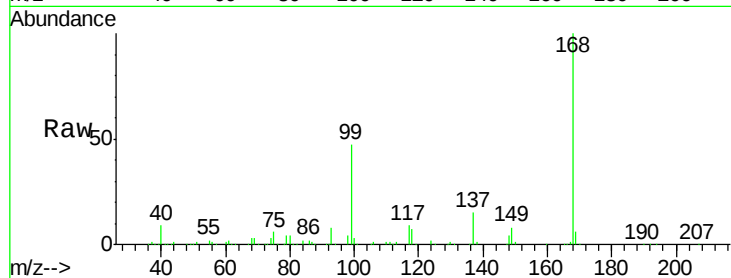




#38
Carbon Tetrachloride
Concen: 5.029 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054318.D
Acq: 15 Mar 2019 19:10

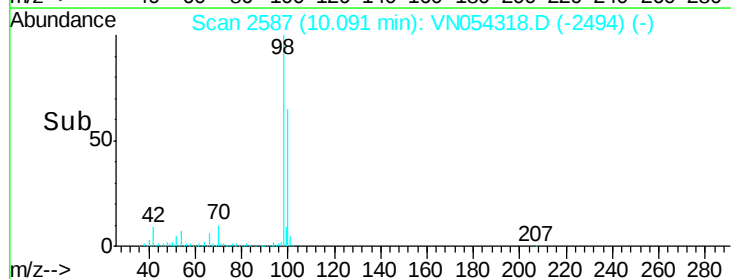
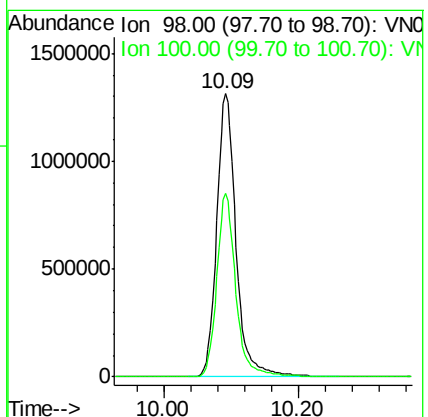
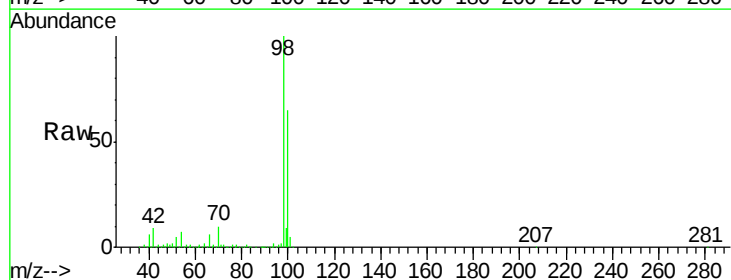
Instrument :
MSVOA_N
ClientSampled :
TW-5

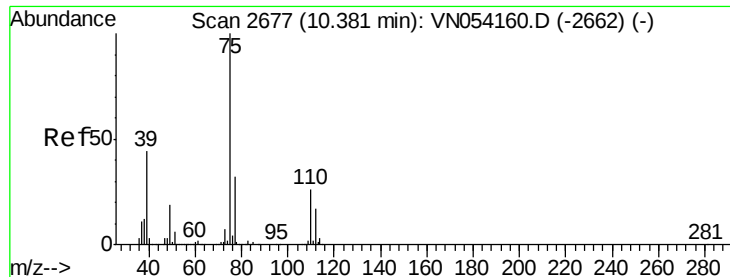
Tot Ion:117 Resp: 102744
Ion Ratio Lower Upper
117 100
119 5.2 76.3 114.5#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 52.307 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054318.D
Acq: 15 Mar 2019 19:10

Tgt Ion: 98 Resp: 2635588
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 1.989 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

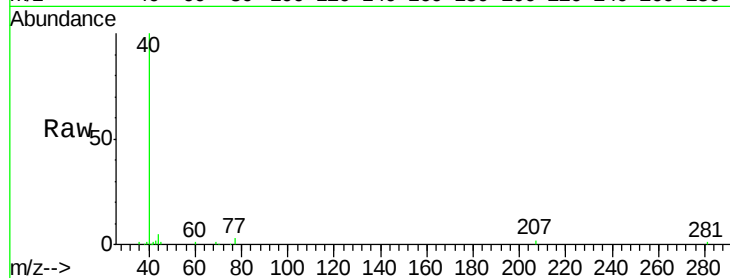
TW-5

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

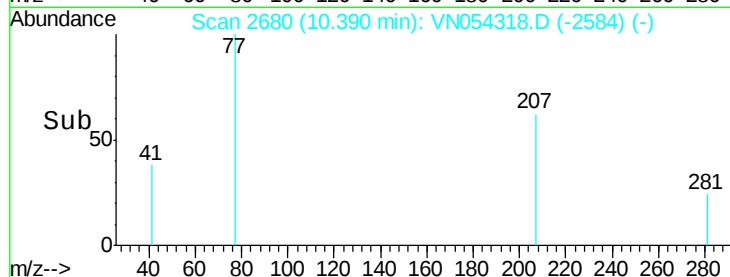
1500

1000

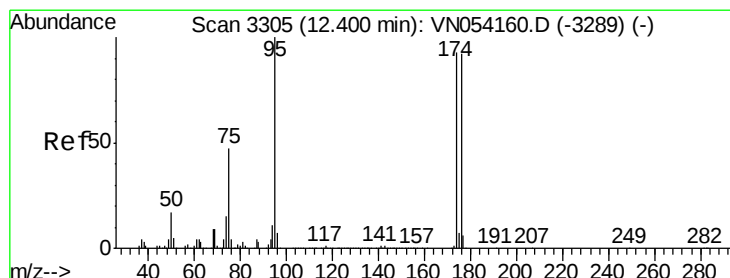
500

0

10.38 10.39 10.40



Time-->



#62

4-Bromofluorobenzene

Concen: 56.016 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

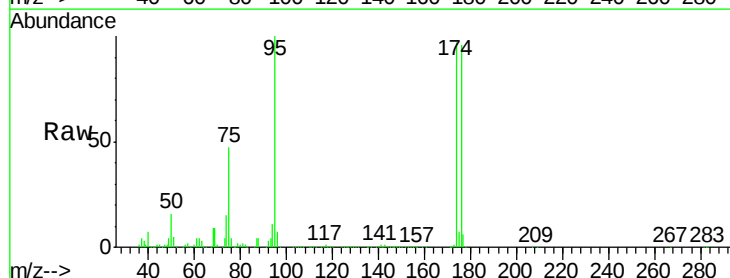
Tgt Ion: 95 Resp: 987574

Ion Ratio Lower Upper

95 100

174 98.4 0.0 191.0

176 96.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

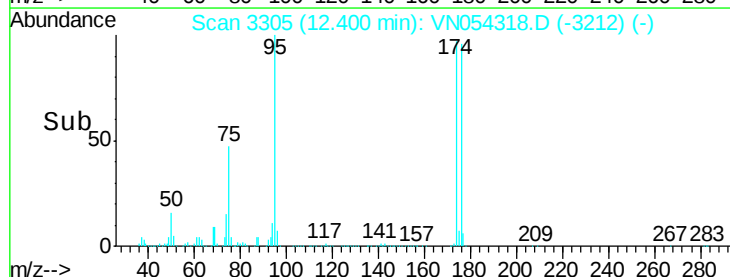
600000

400000

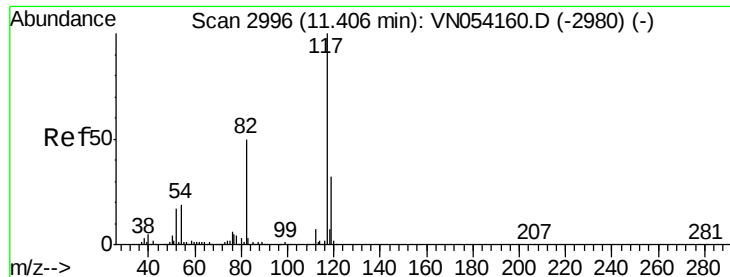
200000

0

12.30 12.40 12.50



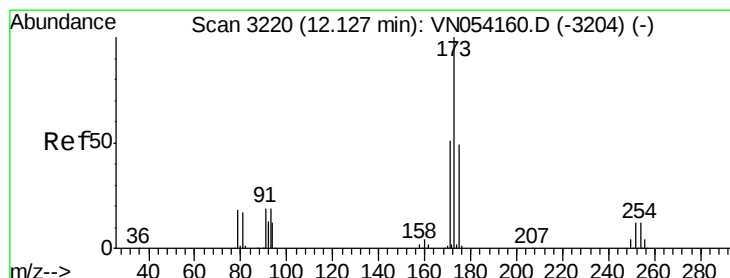
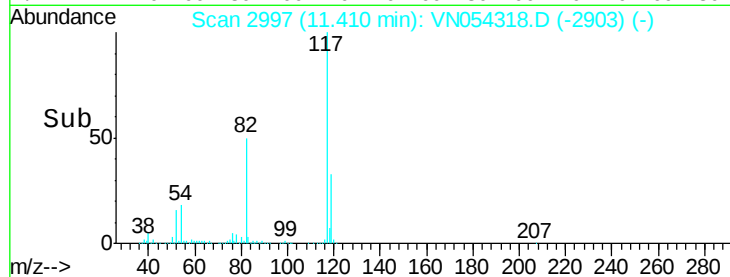
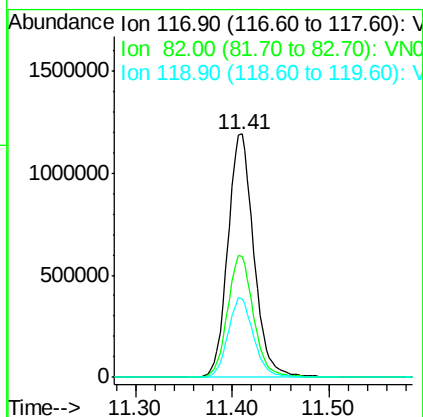
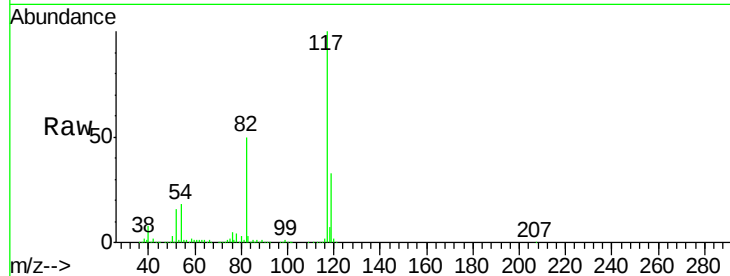
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054318.D
Acq: 15 Mar 2019 19:10

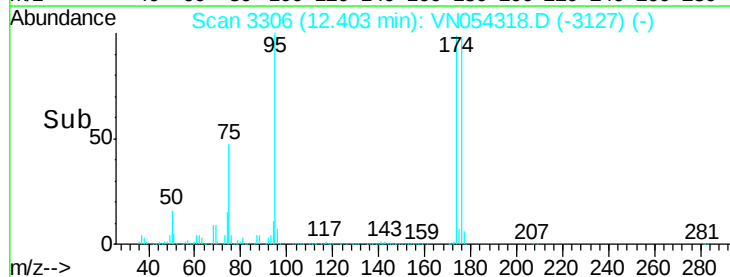
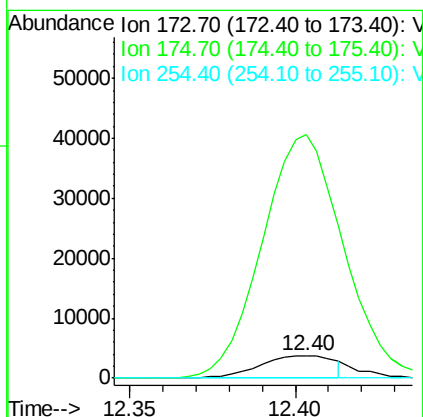
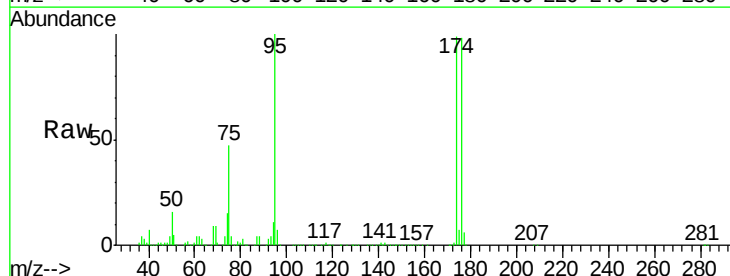
Instrument :
MSVOA_N
ClientSampleId :
TW-5

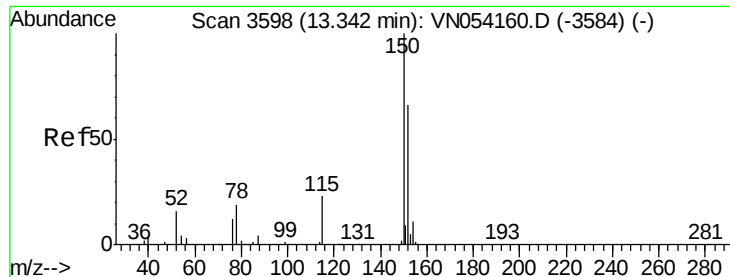
Tot Ion:117 Resp: 2224235
Ion Ratio Lower Upper
117 100
82 49.8 40.0 60.0
119 32.5 25.8 38.6



#71
Bromoform
Concen: 2.761 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054318.D
Acq: 15 Mar 2019 19:10

Tgt Ion:173 Resp: 5820
Ion Ratio Lower Upper
173 100
175 1014.1 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

TW-5

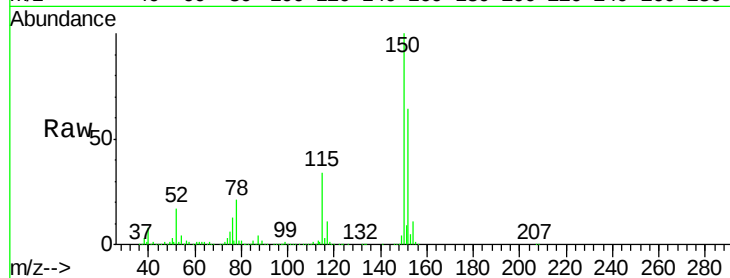
Tot Ion:152 Resp: 892966

Ion Ratio Lower Upper

152 100

115 54.3 27.2 81.6

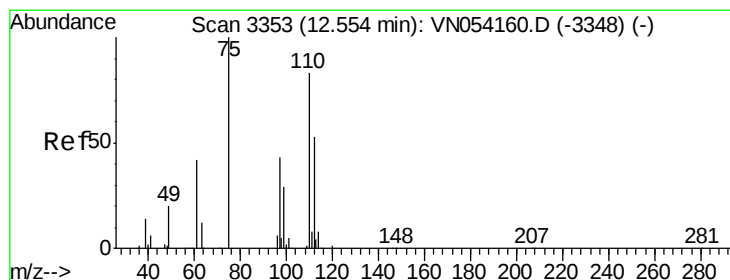
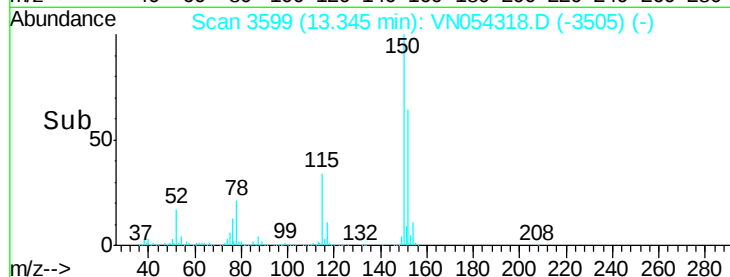
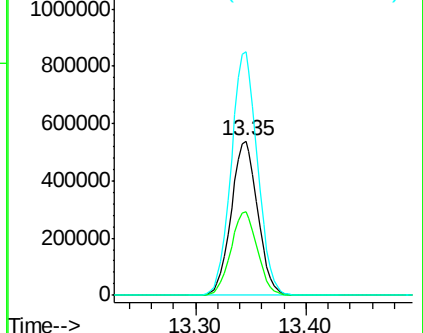
150 157.1 0.0 349.2



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: 35.503 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054318.D

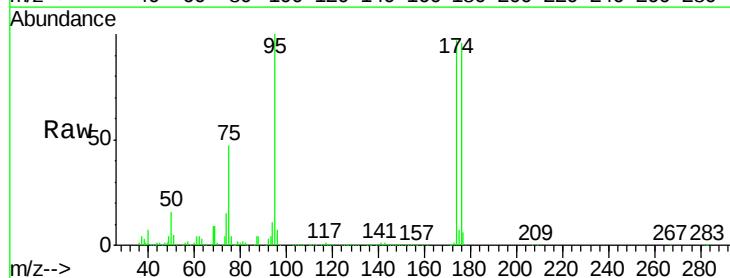
Acq: 15 Mar 2019 19:10

Tgt Ion: 75 Resp: 466200

Ion Ratio Lower Upper

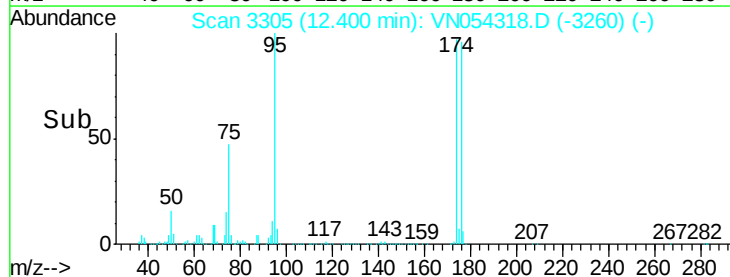
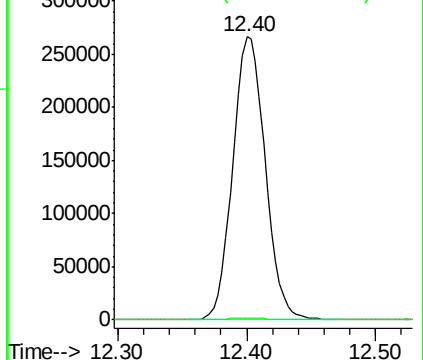
75 100

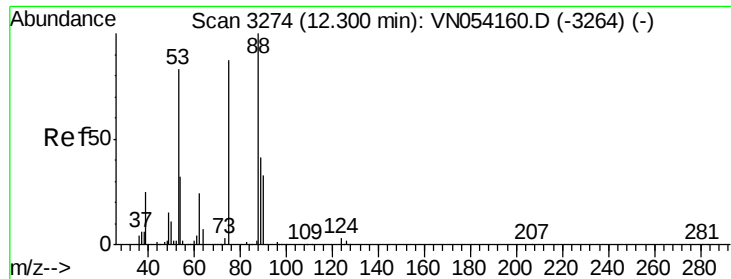
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 121.363 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

TW-5

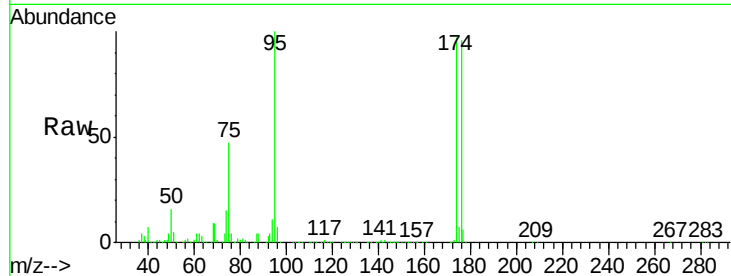
Tot Ion: 75 Resp: 466200

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

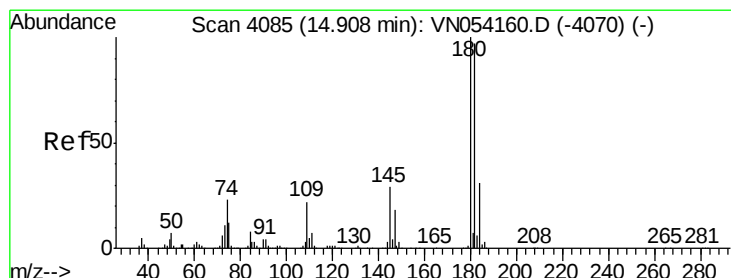
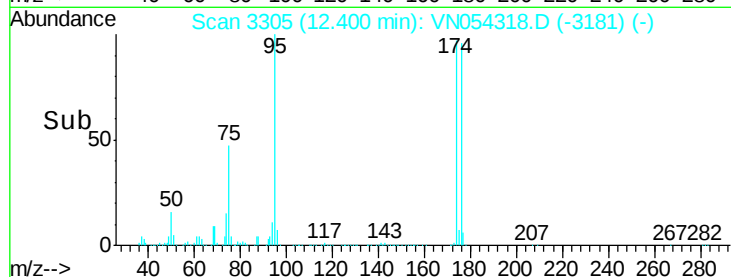
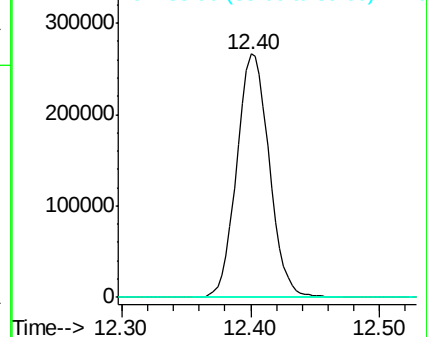
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 2.528 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054318.D

Acq: 15 Mar 2019 19:10

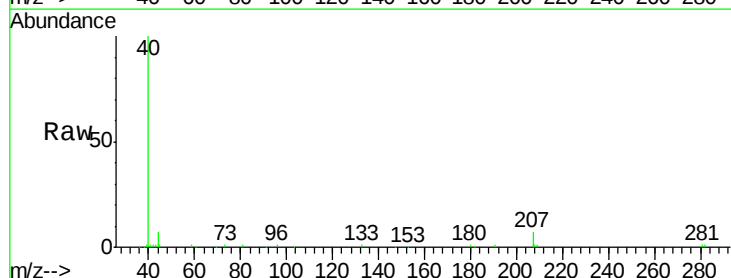
Tgt Ion: 180 Resp: 225

Ion Ratio Lower Upper

180 100

182 71.6 48.0 144.2

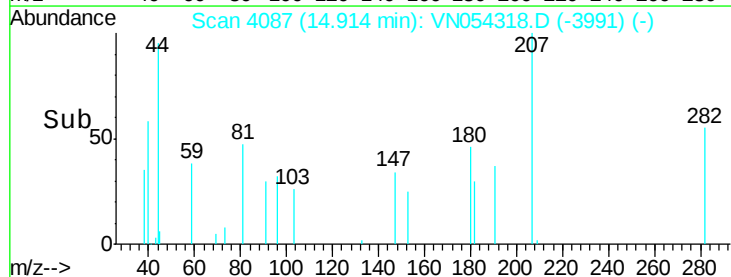
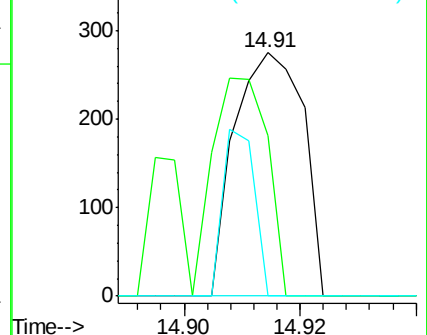
145 31.1 14.2 42.8

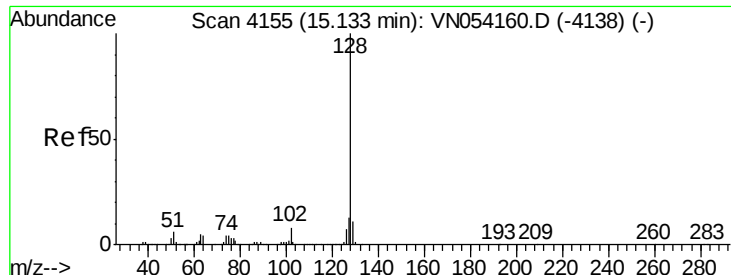


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

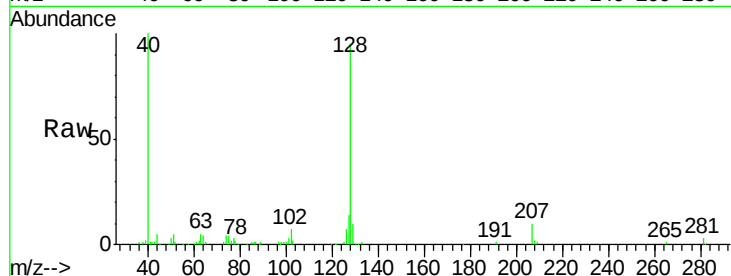




#95
Naphthalene
Concen: 5.335 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054318.D
Acq: 15 Mar 2019 19:10

Instrument :
MSVOA_N
ClientSampleId :
TW-5

Tot Ion:128 Resp: 78504
Ion Ratio Lower Upper
128 100
127 13.5 10.1 15.1
129 10.7 8.7 13.1



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

