

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054317.D
 Acq On : 15 Mar 2019 18:43
 Operator : JC/SP
 Sample : K1932-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

Quant Time: Mar 16 03:23:03 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	1319695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2147776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2199272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	849057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	679876	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	671364	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.09	98	2671328	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.40	95	956446	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

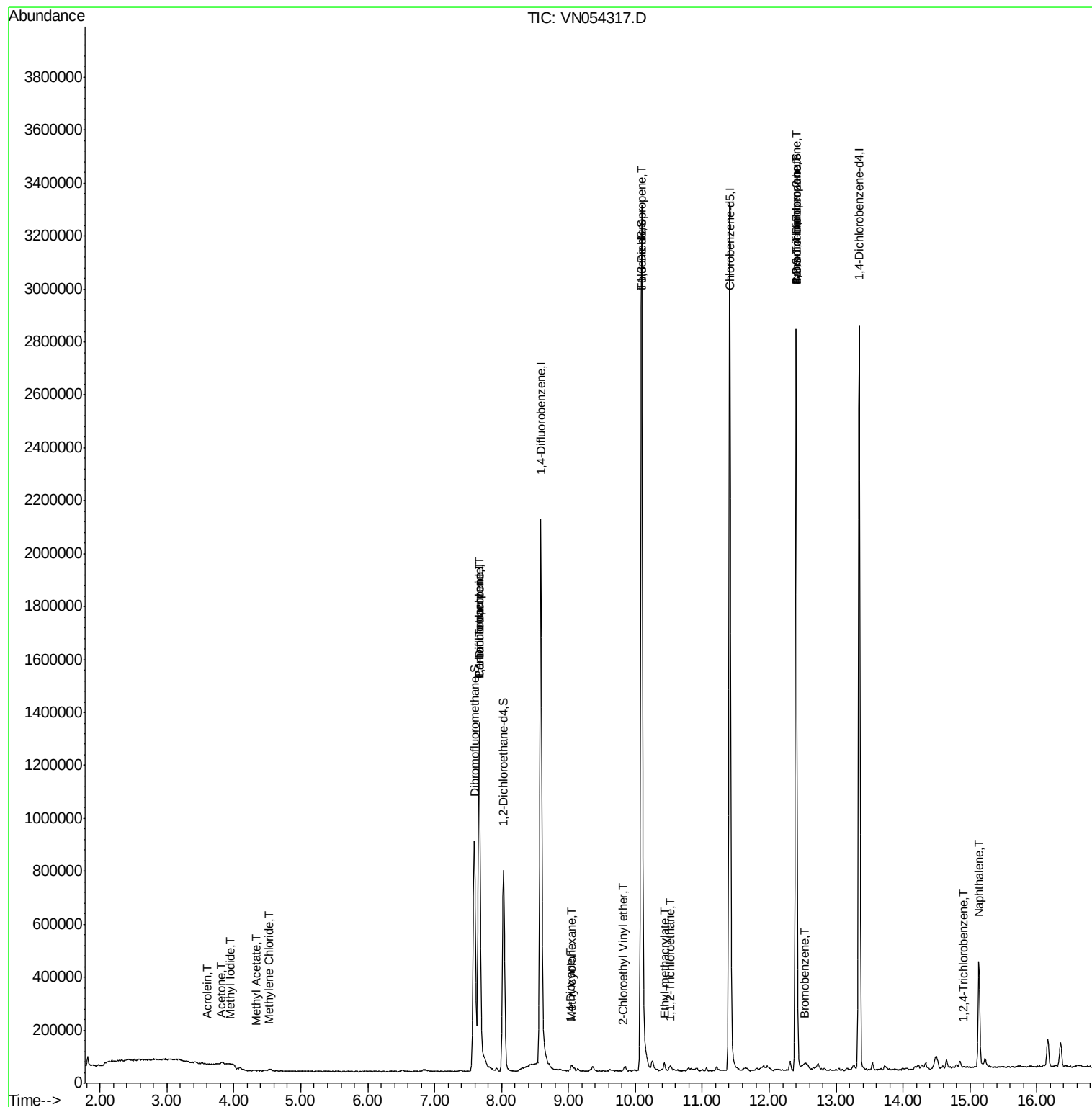
						Qvalue
10) Methyl Iodide	3.93	142	495	1.521	ug/l #	62
13) Acrolein	3.59	56	235	0.258	ug/l #	68
16) Acetone	3.82	43	11822	2.946	ug/l	89
18) Methyl Acetate	4.33	43	2273	0.280	ug/l #	69
20) Methylene Chloride	4.54	84	4513	0.343	ug/l #	76
31) Cyclohexane	7.66	56	18983	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	73529	3.717	ug/l #	49
38) Carbon Tetrachloride	7.66	117	104916	5.058	ug/l #	16
39) Methylcyclohexane	9.05	83	5367	0.221	ug/l #	38
49) 1,4-Dioxane	9.03	88	119	0.831	ug/l #	1
53) t-1,3-Dichloropropene	10.09	75	249	1.997	ug/l #	57
55) 1,1,2-Trichloroethane	10.53	97	5918	0.452	ug/l #	18
56) Ethyl methacrylate	10.44	69	3225	0.206	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.81	63	29	16.832	ug/l #	44
71) Bromoform	12.40	173	5525	2.744	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	448959	35.958	ug/l #	100
77) Bromobenzene	12.53	156	27598	1.535	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	448959	122.919	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	485	2.542	ug/l #	60
95) Naphthalene	15.13	128	366155	12.620	ug/l	99

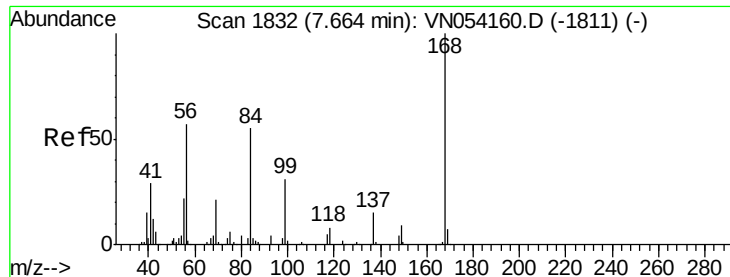
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031519\
Data File : VN054317.D
Acq On : 15 Mar 2019 18:43
Operator : JC/SP
Sample : K1932-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TW-2

Quant Time: Mar 16 03:23:03 2019
Quant Method : Z:\V0ASRV\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: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

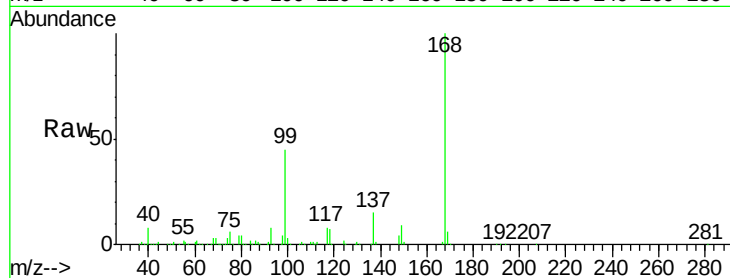
TW-2

Tot Ion:168 Resp: 1319695

Ion Ratio Lower Upper

168 100

99 45.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

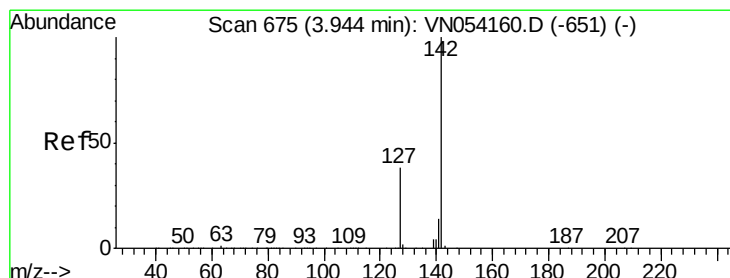
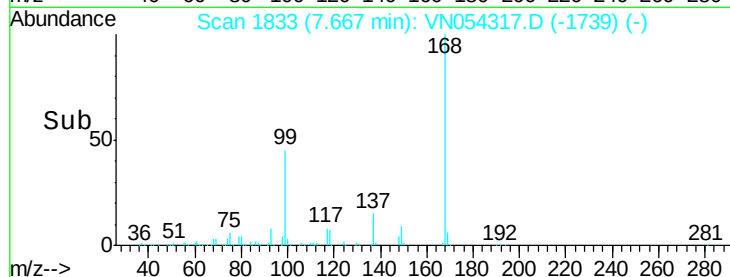
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 1.521 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

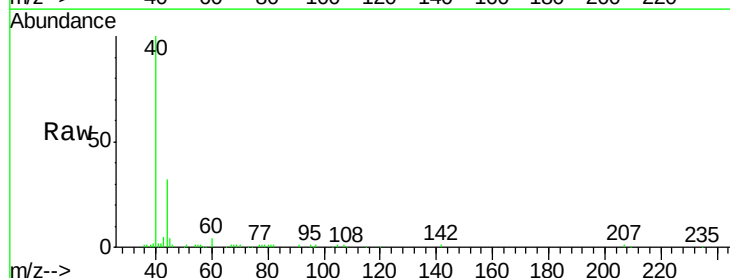
Tgt Ion:142 Resp: 495

Ion Ratio Lower Upper

142 100

127 14.5 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

400

300

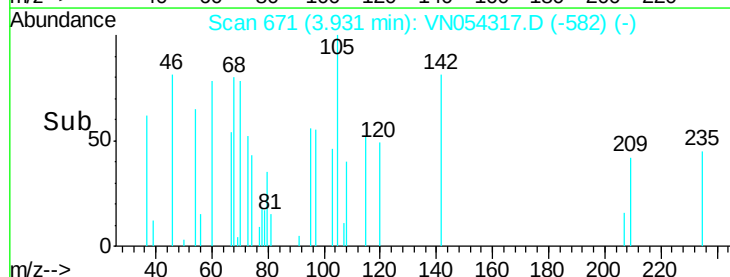
200

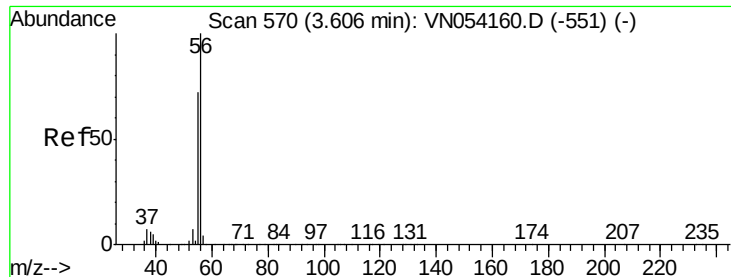
100

0

3.90 3.92 3.94 3.96

Time-->





#13

Acrolein

Concen: 0.258 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

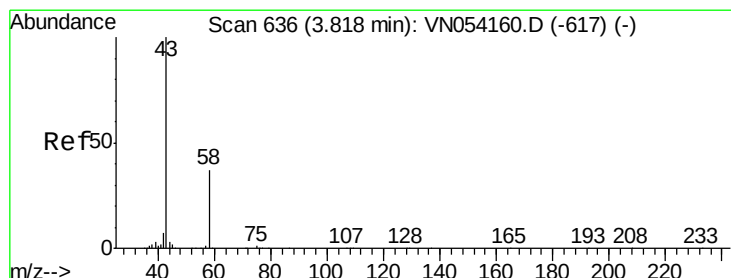
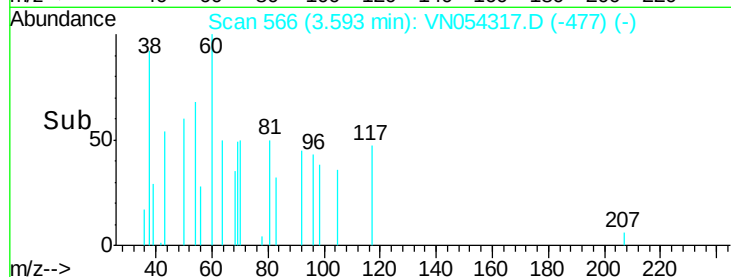
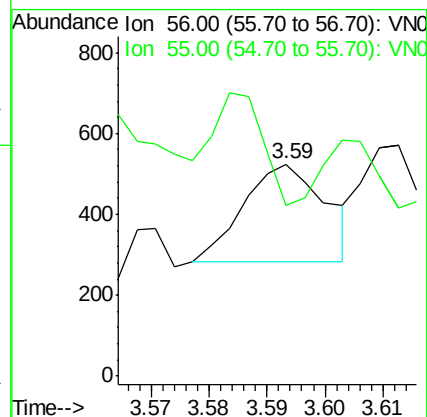
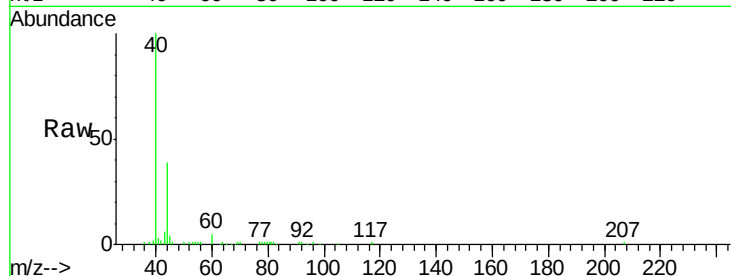
TW-2

Tot Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 44.7 56.7 85.1#



#16

Acetone

Concen: 2.946 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054317.D

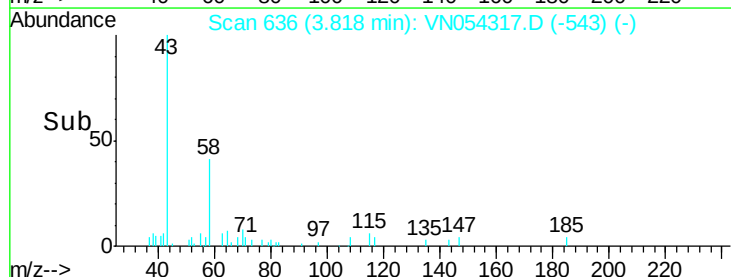
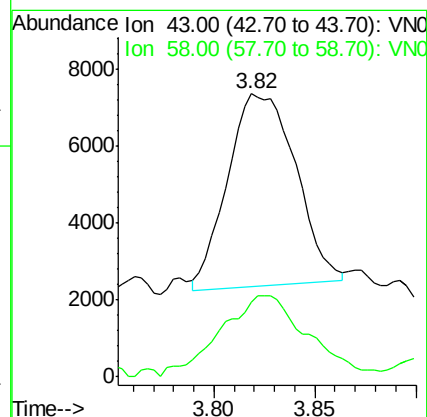
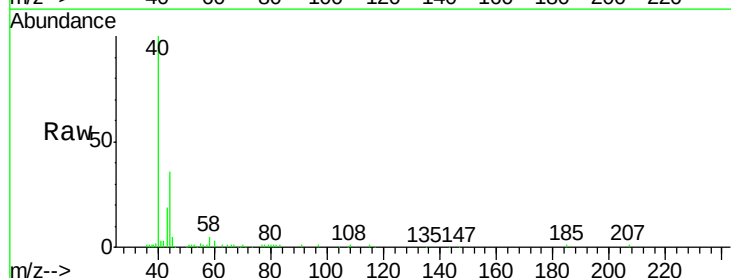
Acq: 15 Mar 2019 18:43

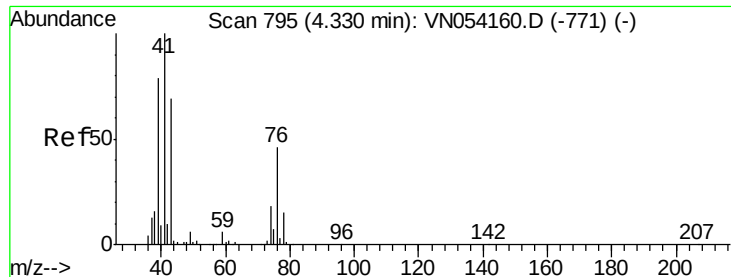
Tgt Ion: 43 Resp: 11822

Ion Ratio Lower Upper

43 100

58 30.6 29.9 44.9

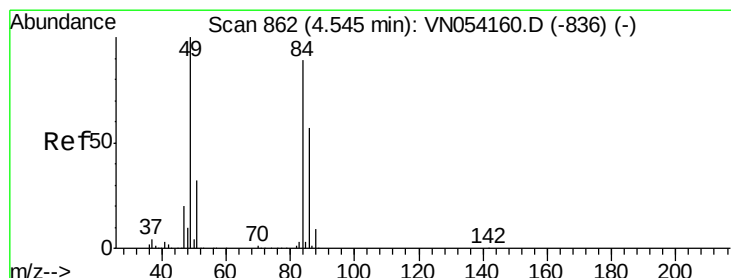
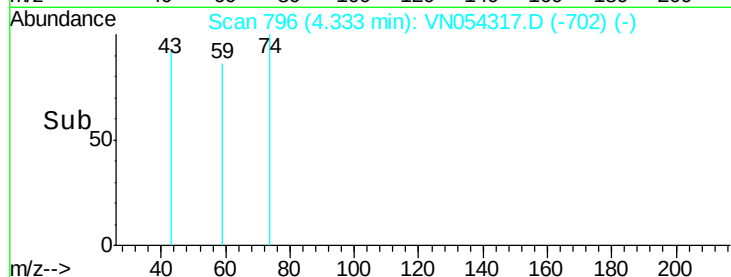
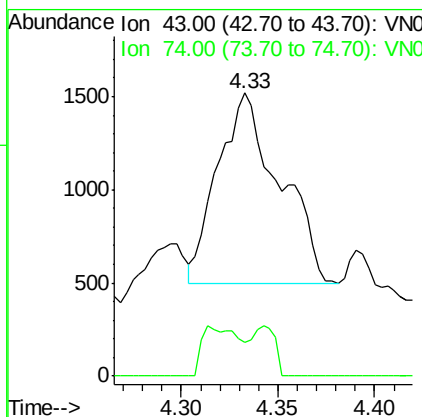
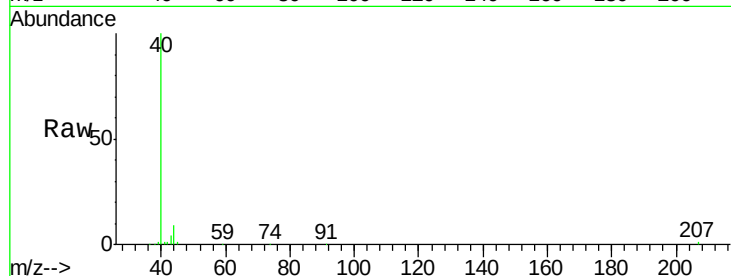




#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054317.D
Acq: 15 Mar 2019 18:43

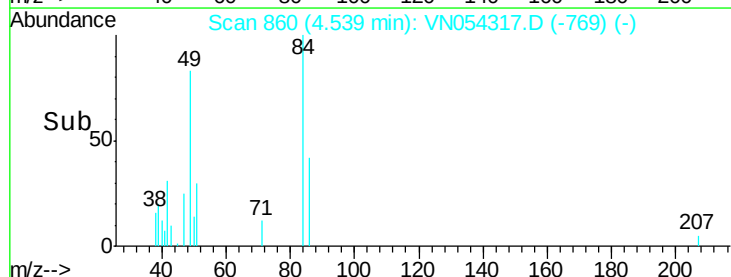
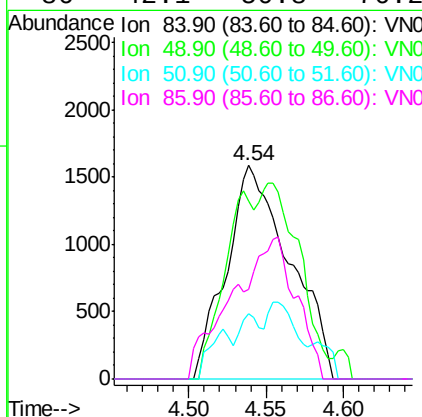
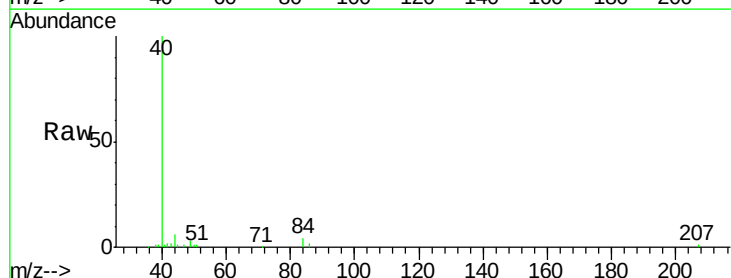
Instrument :
MSVOA_N
ClientSampled :
TW-2

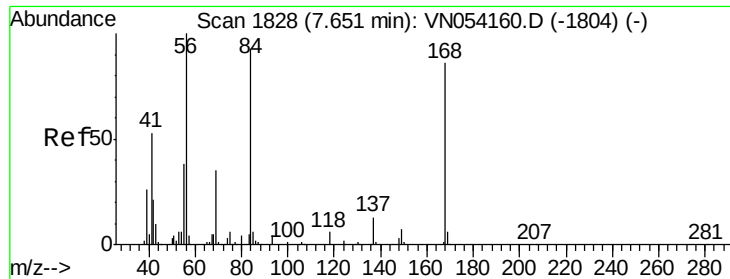
Tot Ion: 43 Resp: 2273
Ion Ratio Lower Upper
43 100
74 10.0 20.8 31.2#



#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054317.D
Acq: 15 Mar 2019 18:43

Tgt Ion: 84 Resp: 4513
Ion Ratio Lower Upper
84 100
49 83.4 89.7 134.5#
51 30.4 28.2 42.4
86 42.1 50.8 76.2#

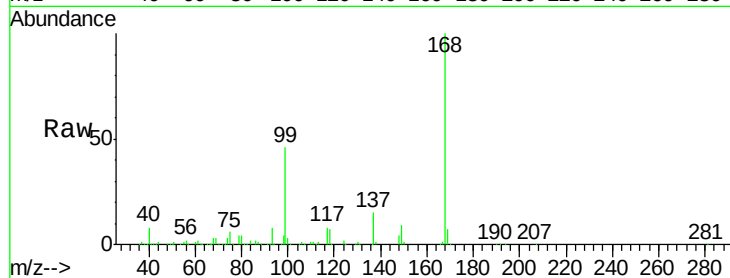




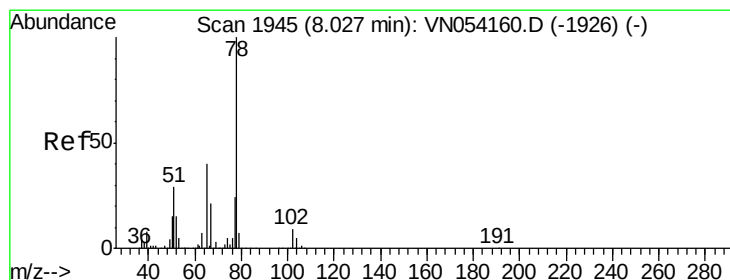
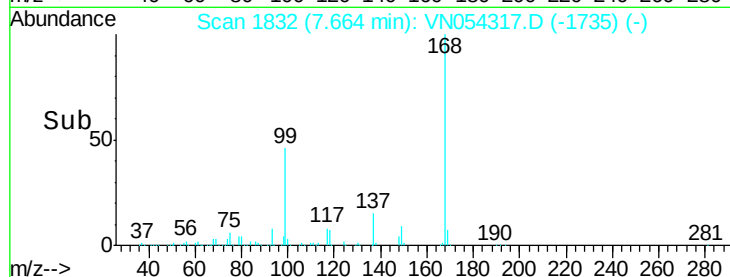
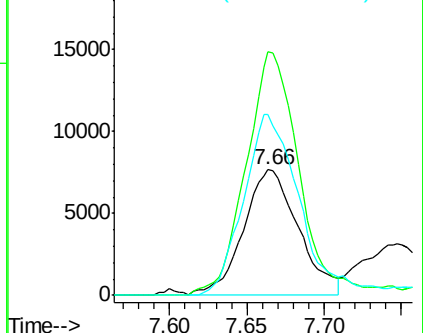
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054317.D
Acq: 15 Mar 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
TW-2

Tot Ion: 56 Resp: 18983
Ion Ratio Lower Upper
56 100
69 194.2 27.8 41.6#
84 144.0 74.6 111.8#

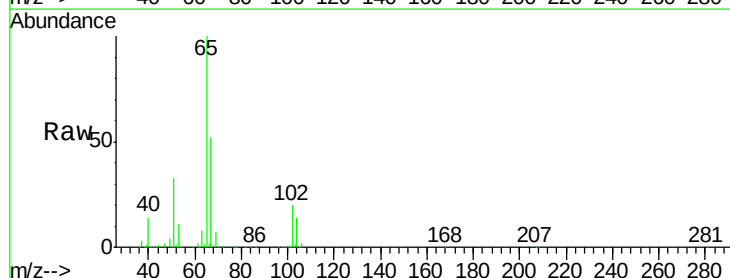


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

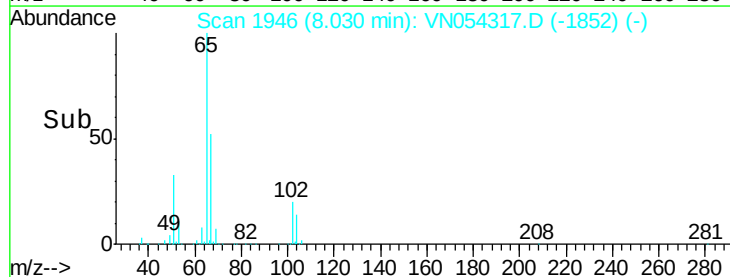
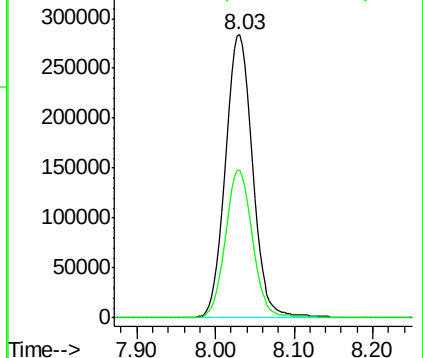


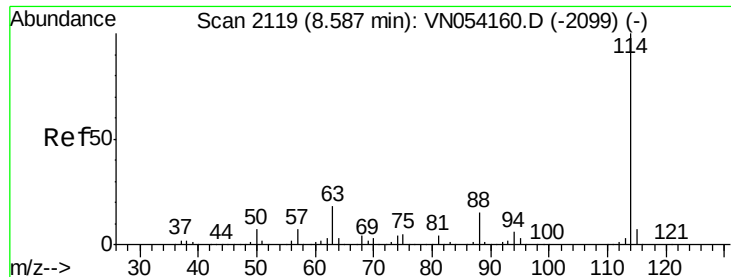
#33
1,2-Dichloroethane-d4
Concen: 48.510 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054317.D
Acq: 15 Mar 2019 18:43

Tgt Ion: 65 Resp: 679876
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6



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: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

TW-2

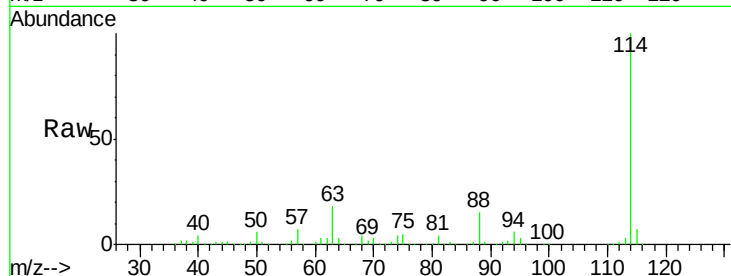
Tot Ion:114 Resp: 2147776

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

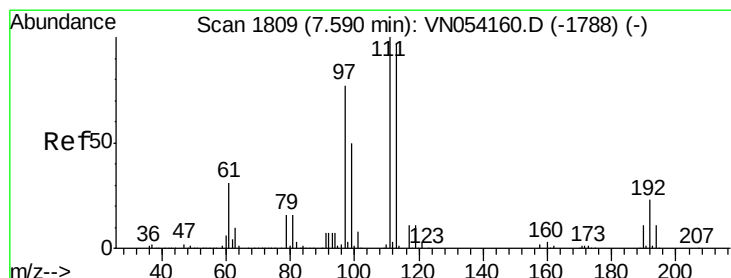
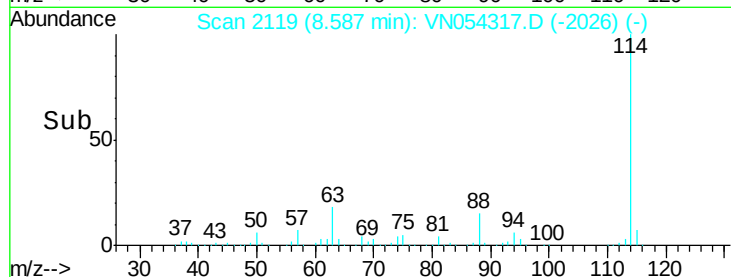
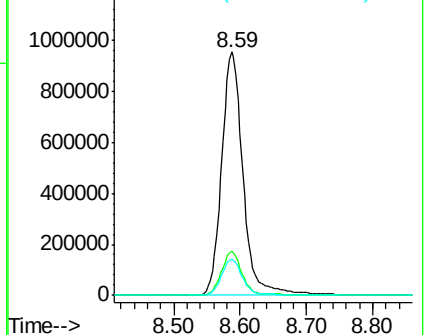
88 14.8 0.0 30.2



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: 48.466 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

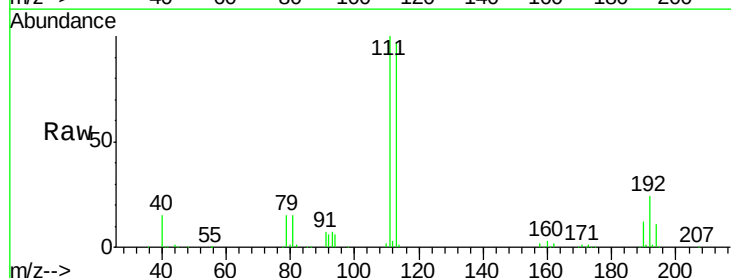
Tgt Ion:113 Resp: 671364

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

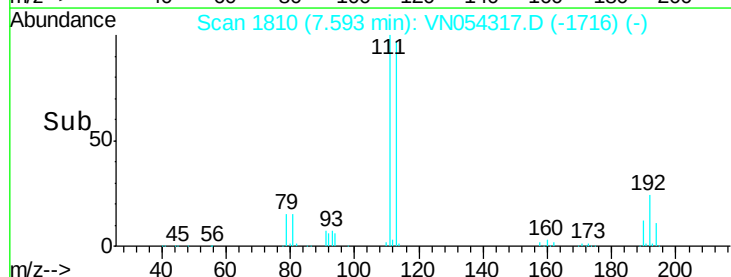
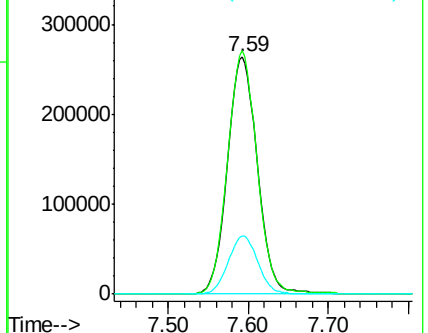
192 24.0 19.2 28.8

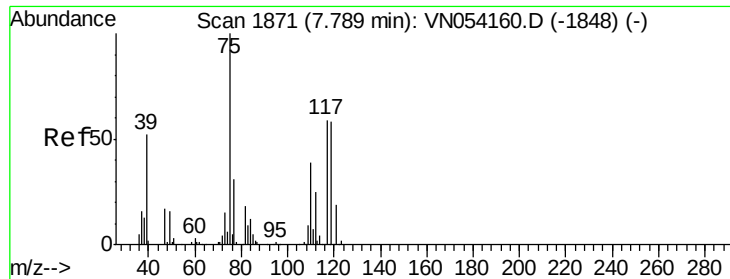


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

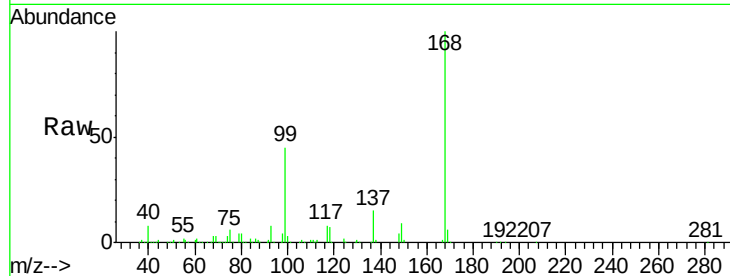




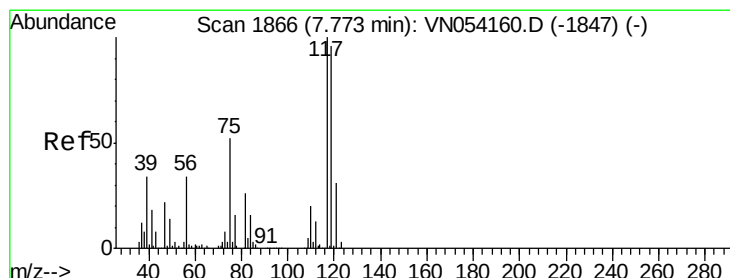
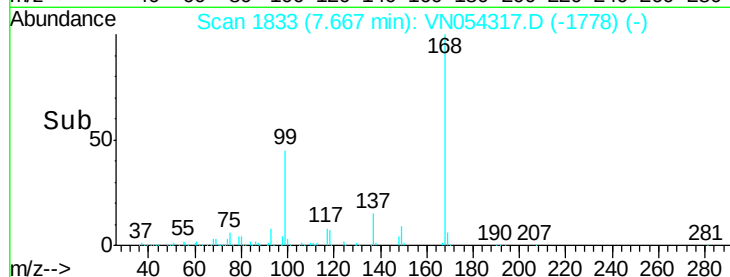
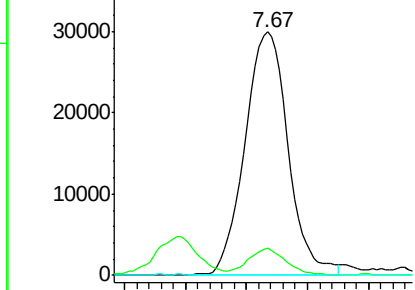
#36
 1,1-Dichloropropene
 Concen: 3.717 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054317.D
 Acq: 15 Mar 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.1	57.5#
77	0.0	25.0	37.4#

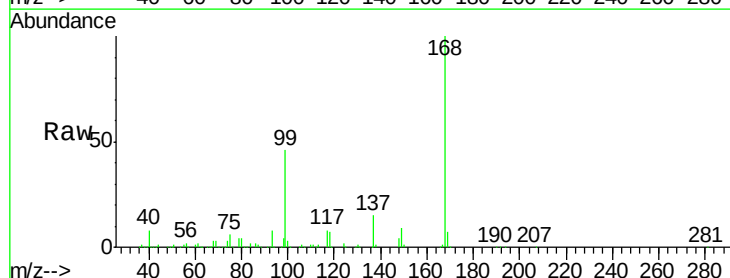


Abundance Ion 74.90 (74.60 to 75.60): VN054317.D (-1778) (-)
 Ion 109.90 (109.60 to 110.60): VN054317.D (-1778) (-)
 Ion 76.90 (76.60 to 77.60): VN054317.D (-1778) (-)

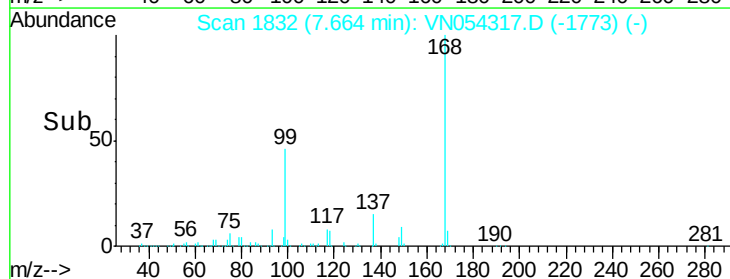
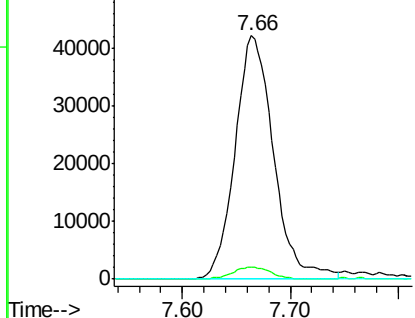


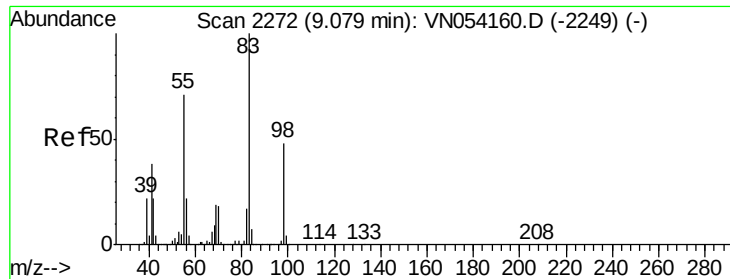
#38
 Carbon Tetrachloride
 Concen: 5.058 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054317.D
 Acq: 15 Mar 2019 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN054317.D (-1773) (-)
 Ion 118.80 (118.50 to 119.50): VN054317.D (-1773) (-)
 Ion 120.80 (120.50 to 121.50): VN054317.D (-1773) (-)

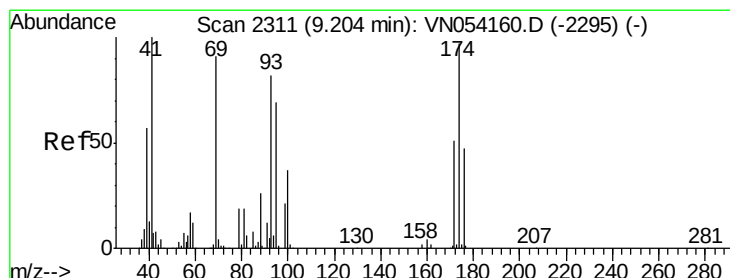
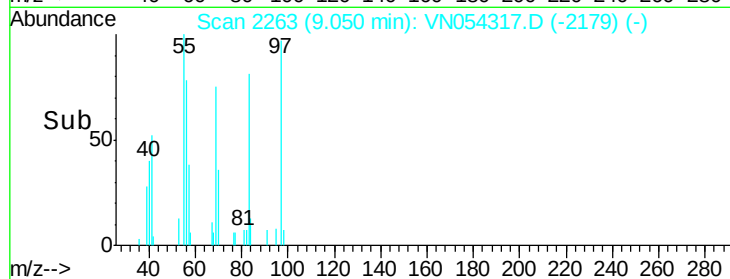
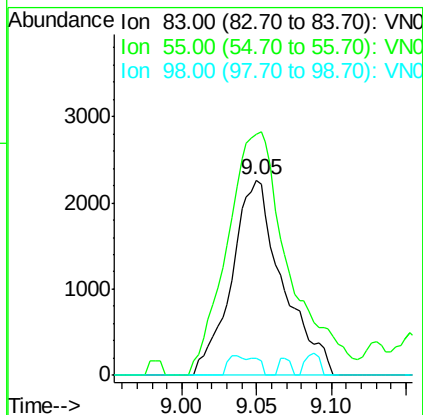
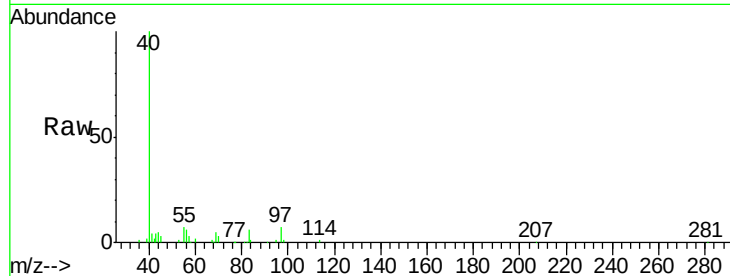




#39
Methylvlcyclohexane
Concen: 0.221 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. -0.03 min
Lab File: VN054317.D
Acq: 15 Mar 2019 18:43

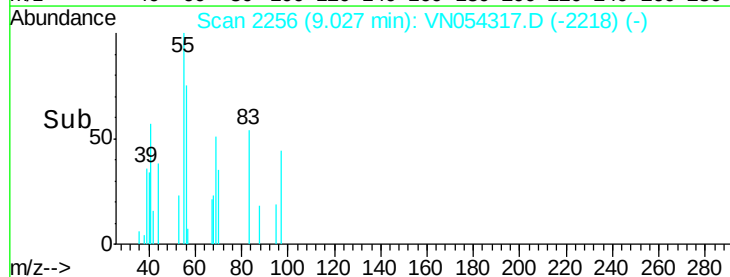
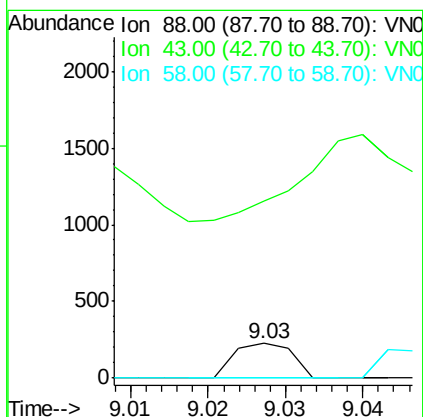
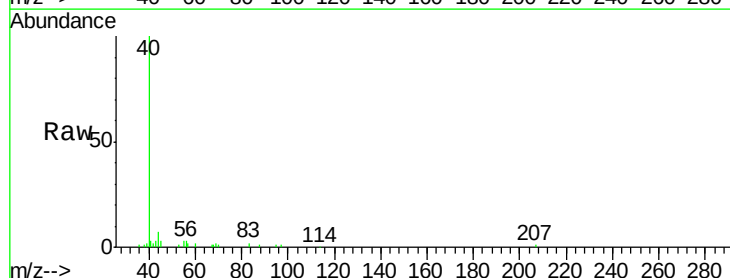
Instrument :
MSVOA_N
ClientSampleId :
TW-2

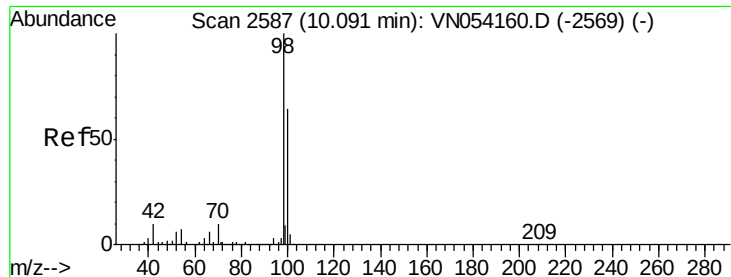
Tot Ion: 83 Resp: 5367
Ion Ratio Lower Upper
83 100
55 123.8 56.6 84.8#
98 8.8 38.4 57.6#



#49
1,4-Dioxane
Concen: 0.831 ug/l
RT: 9.03 min Scan# 2256
Delta R.T. -0.18 min
Lab File: VN054317.D
Acq: 15 Mar 2019 18:43

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 449.6 24.1 36.1#
58 84.0 50.8 76.2#





#50

Toluene-d8

Concen: 52.217 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

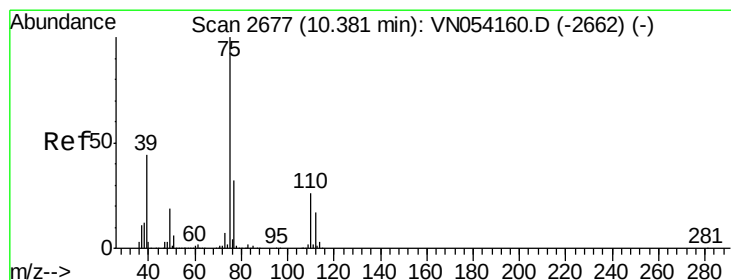
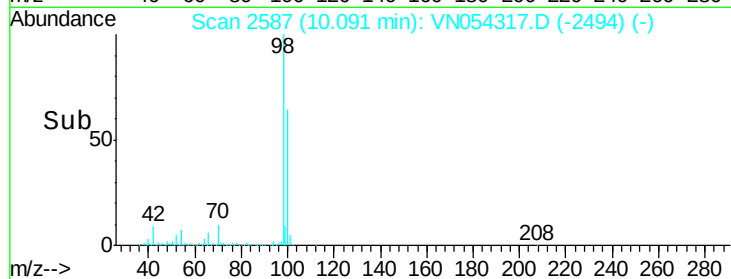
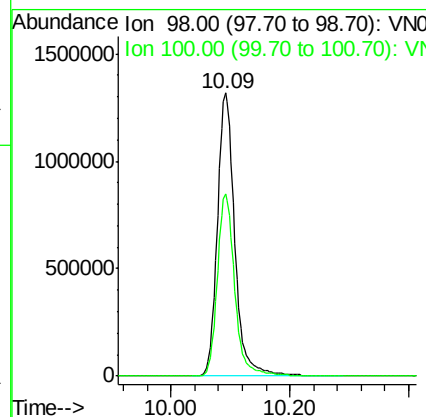
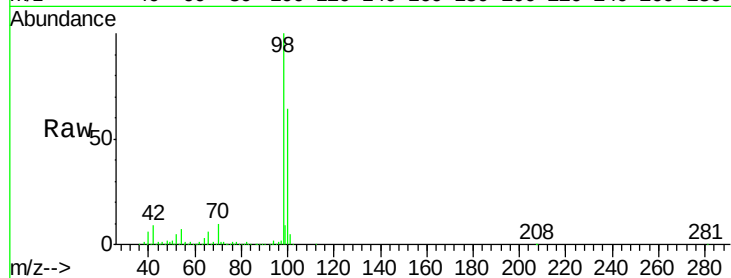
TW-2

Tot Ion: 98 Resp: 2671328

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.29 min

Lab File: VN054317.D

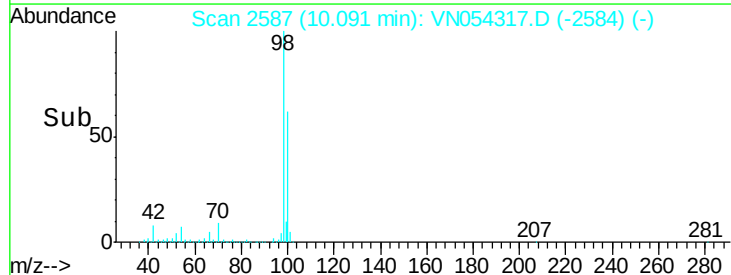
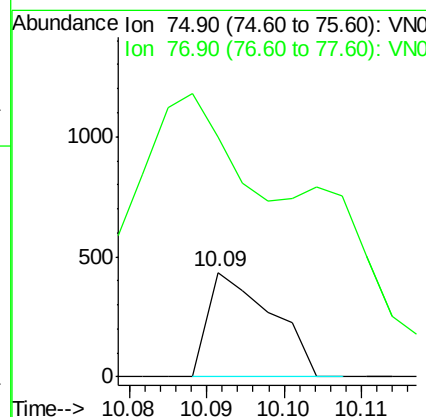
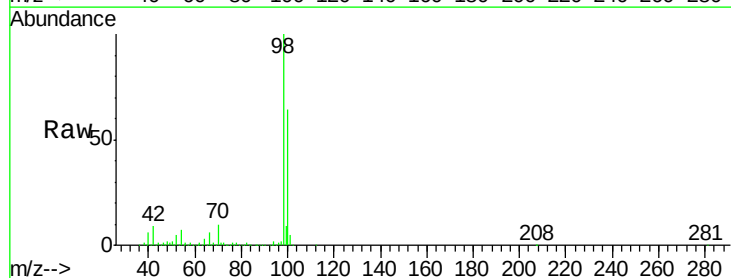
Acq: 15 Mar 2019 18:43

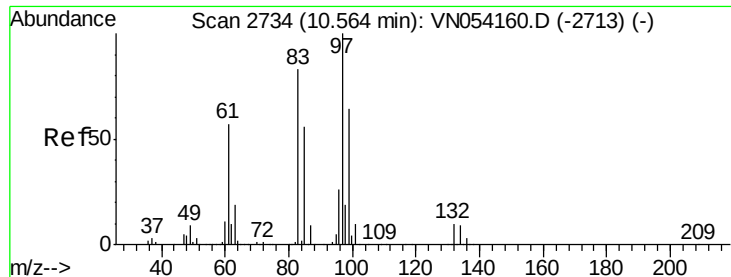
Tgt Ion: 75 Resp: 249

Ion Ratio Lower Upper

75 100

77 56.2 25.8 38.8#

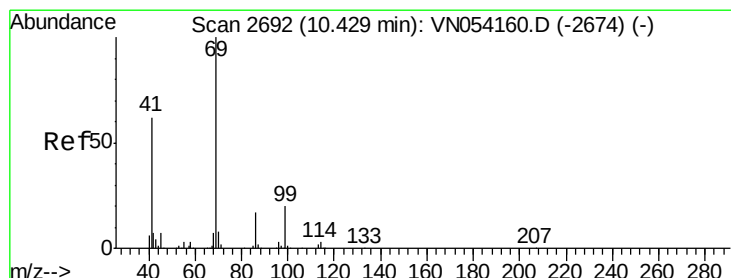
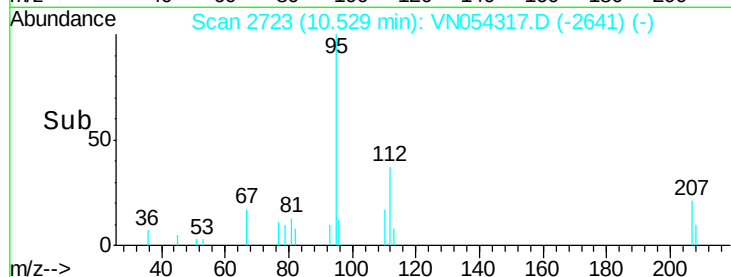
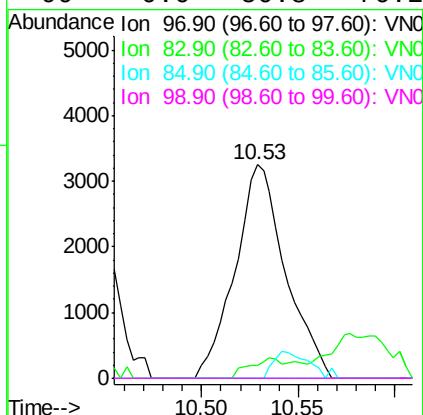
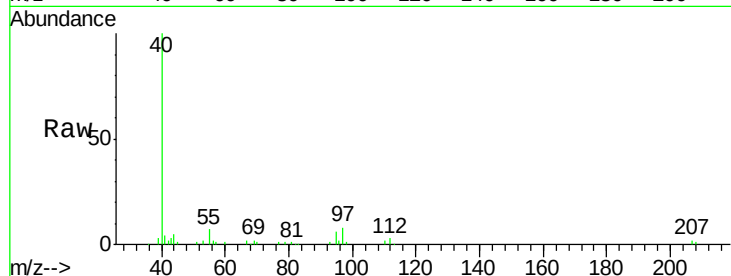




#55
 1,1,2-Trichloroethane
 Concen: 0.452 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.04 min
 Lab File: VN054317.D
 Acq: 15 Mar 2019 18:43

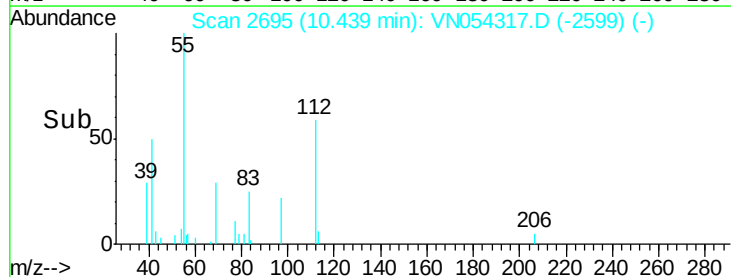
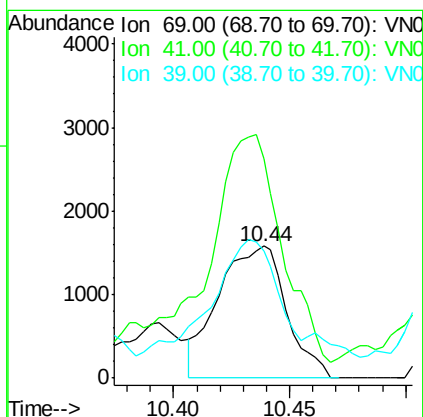
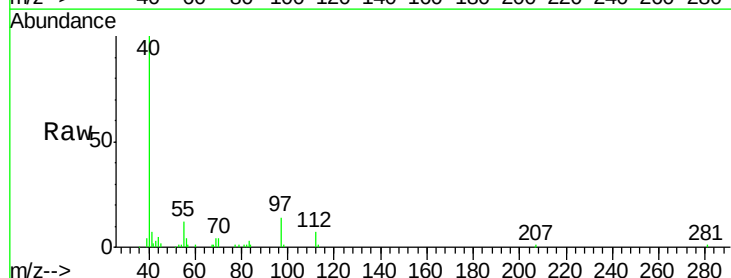
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

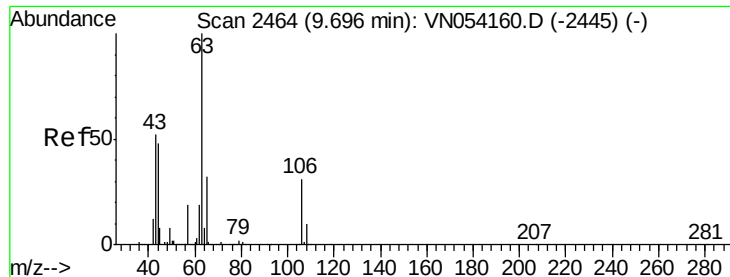
Tot Ion: 97 Resp: 5918
 Ion Ratio Lower Upper
 97 100
 83 5.8 66.6 100.0#
 85 0.0 44.4 66.6#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 0.206 ug/l
 RT: 10.44 min Scan# 2695
 Delta R.T. 0.01 min
 Lab File: VN054317.D
 Acq: 15 Mar 2019 18:43

Tgt Ion: 69 Resp: 3225
 Ion Ratio Lower Upper
 69 100
 41 180.9 49.4 74.2#
 39 82.2 28.3 42.5#





#58

2-Chloroethyl Vinyl ether

Concen: 16.832 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.11 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampled :

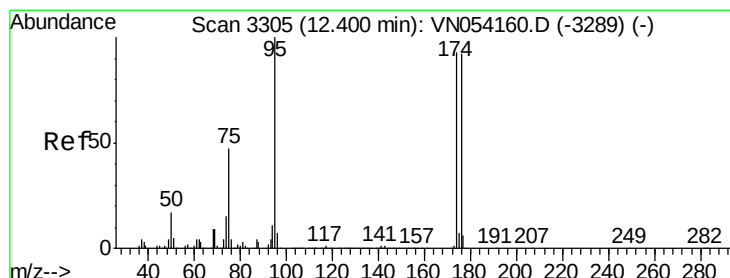
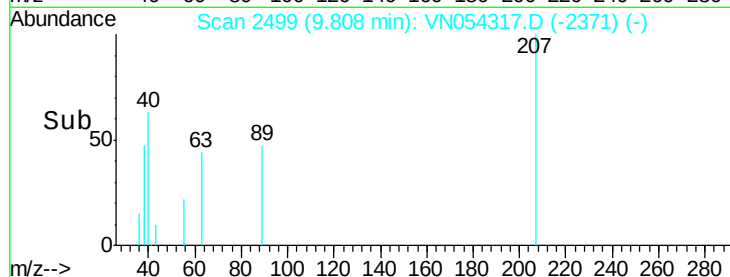
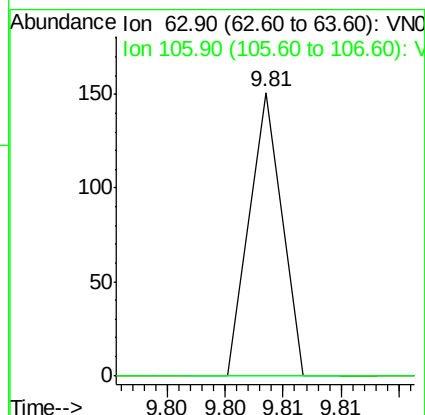
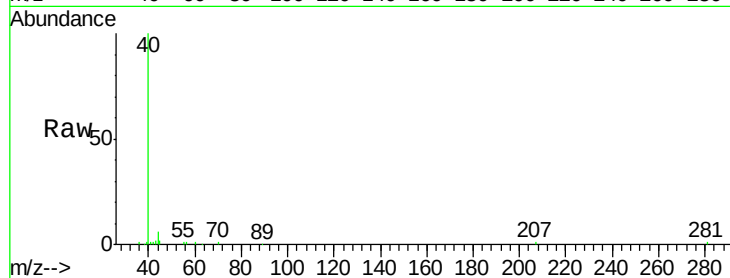
TW-2

Tot Ion: 63 Resp: 29

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#



#62

4-Bromofluorobenzene

Concen: 53.432 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

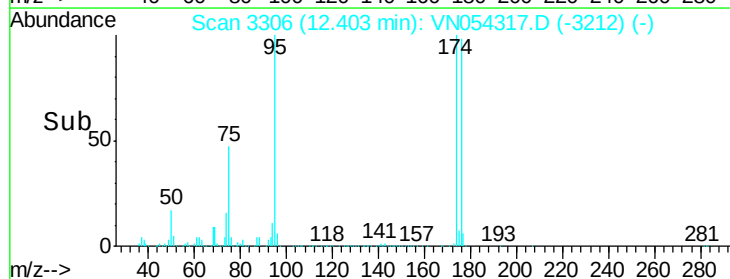
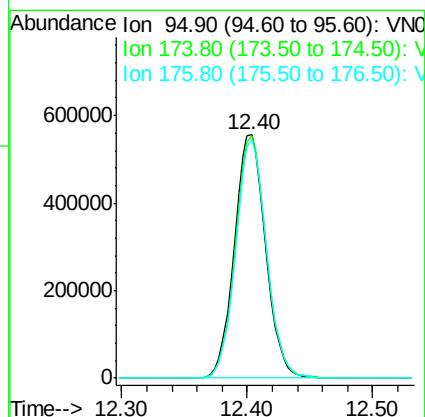
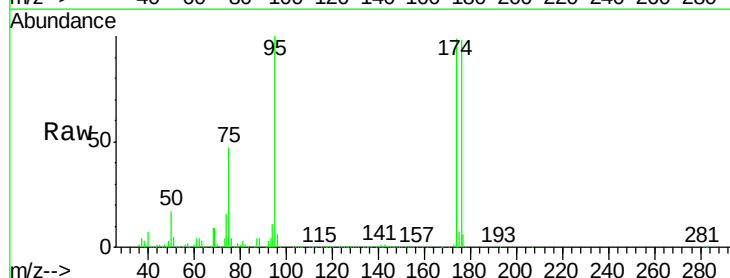
Tgt Ion: 95 Resp: 956446

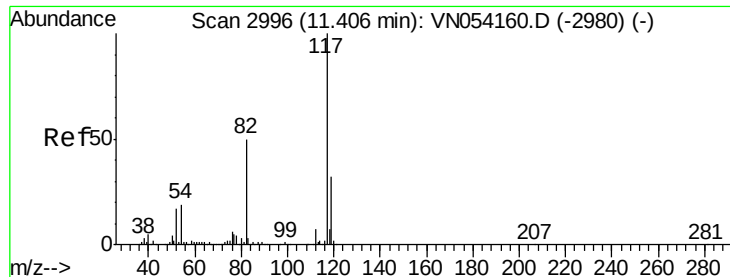
Ion Ratio Lower Upper

95 100

174 98.9 0.0 191.0

176 96.7 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

TW-2

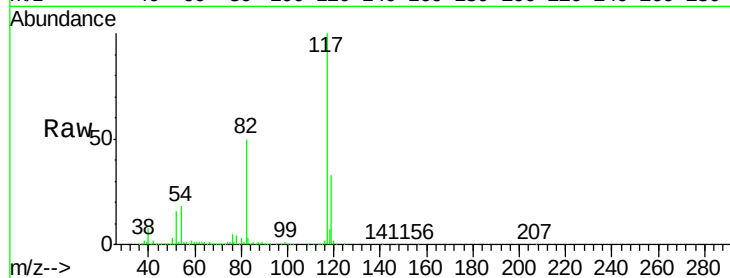
Tot Ion:117 Resp: 2199272

Ion Ratio Lower Upper

117 100

82 49.9 40.0 60.0

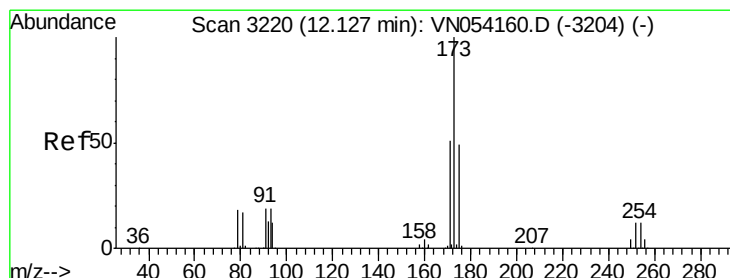
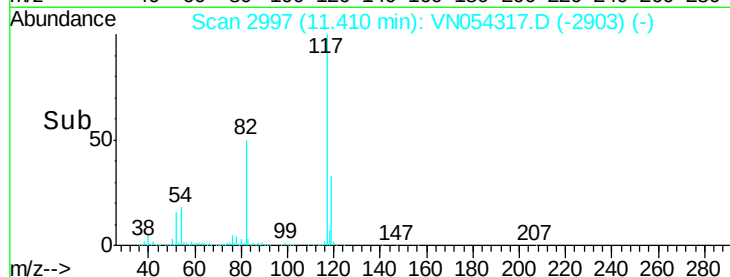
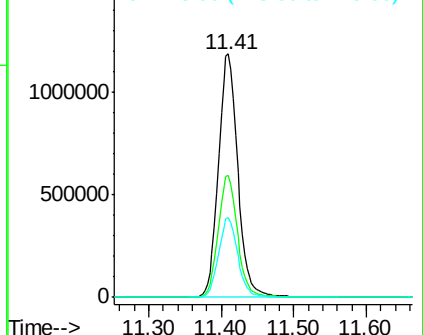
119 33.0 25.8 38.6



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: 2.744 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

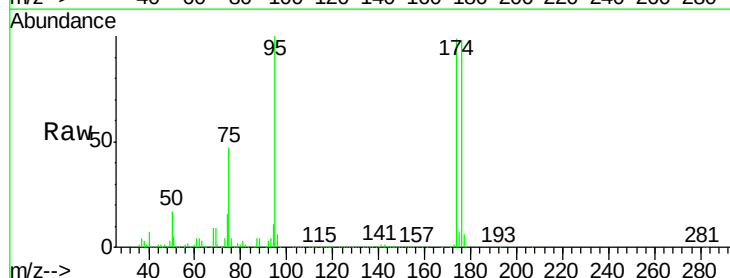
Tgt Ion:173 Resp: 5525

Ion Ratio Lower Upper

173 100

175 1061.1 24.4 73.2#

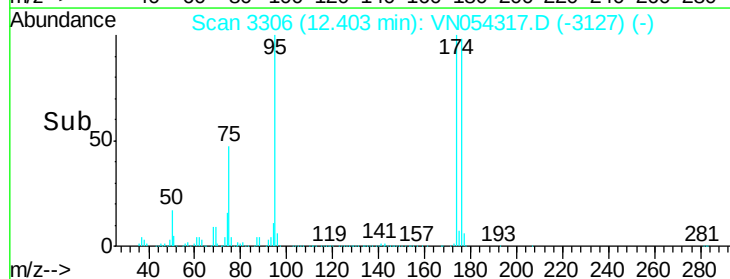
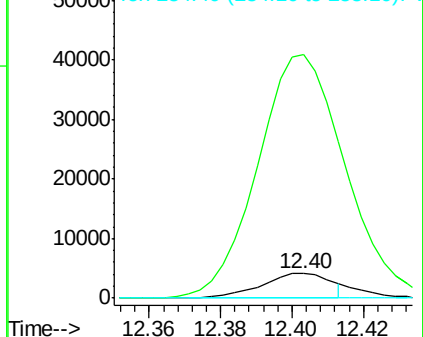
254 0.0 0.1 0.1#

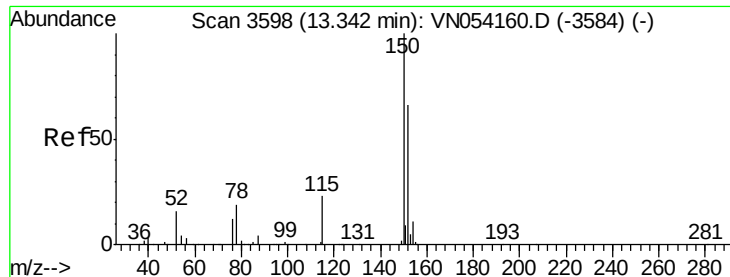


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

TW-2

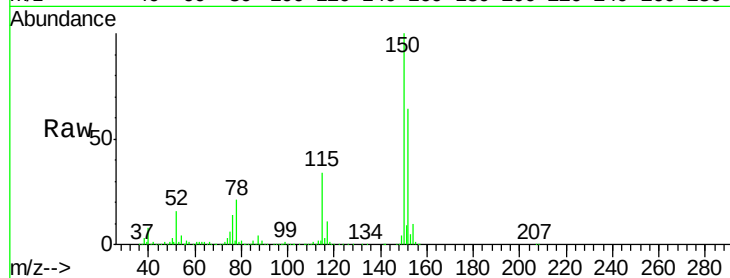
Tot Ion:152 Resp: 849057

Ion Ratio Lower Upper

152 100

115 53.7 27.2 81.6

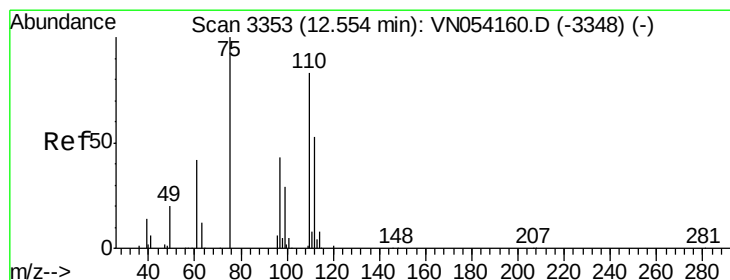
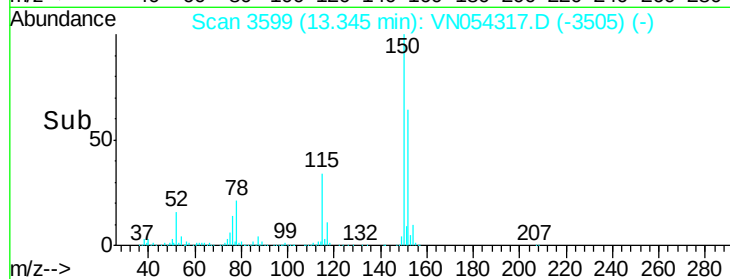
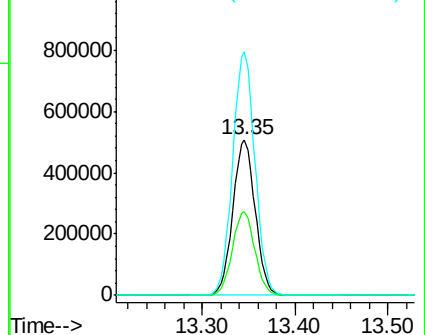
150 155.9 0.0 349.2



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: 35.958 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054317.D

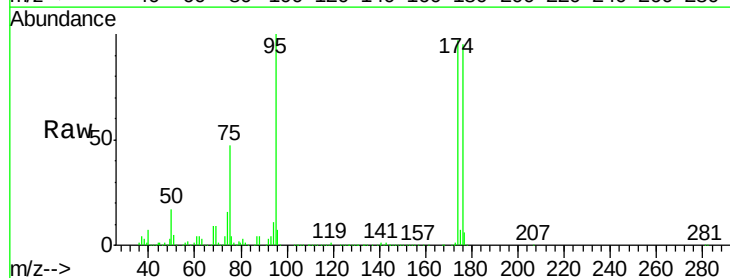
Acq: 15 Mar 2019 18:43

Tgt Ion: 75 Resp: 448959

Ion Ratio Lower Upper

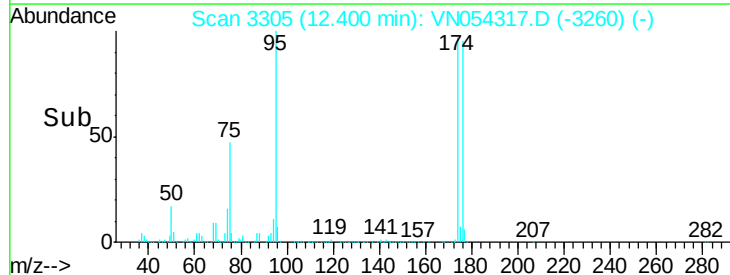
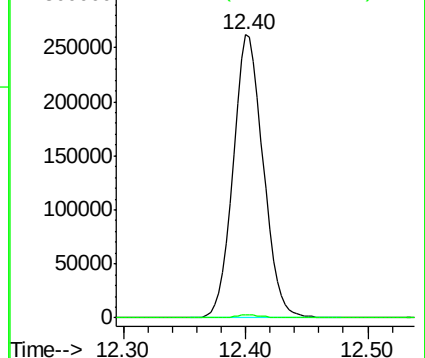
75 100

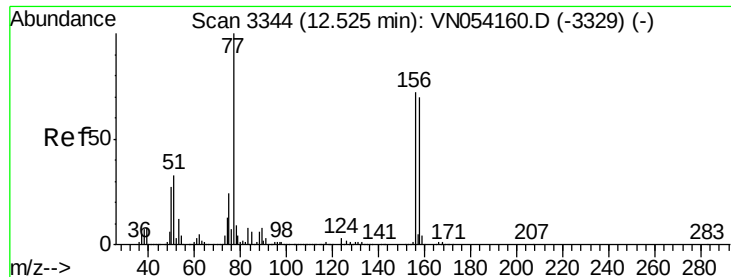
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 1.535 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

TW-2

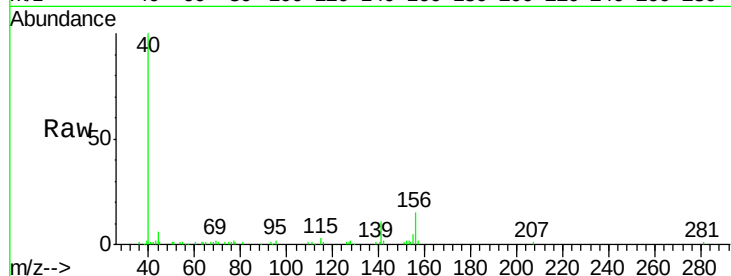
Tot Ion:156 Resp: 27598

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

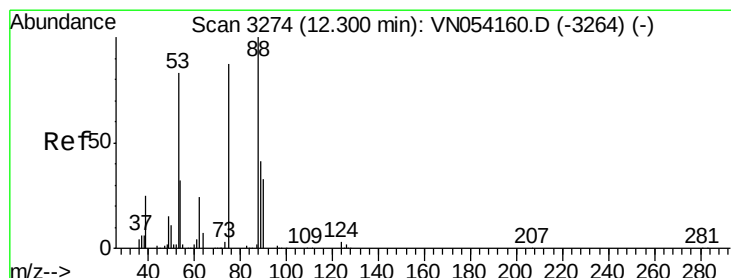
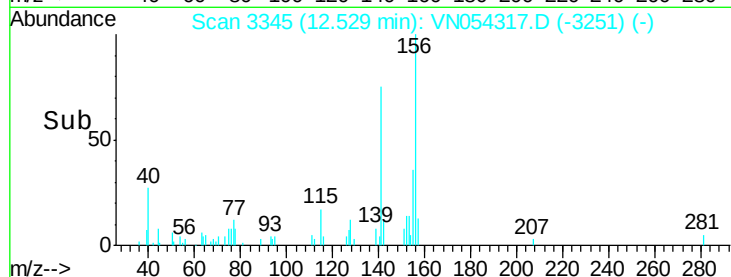
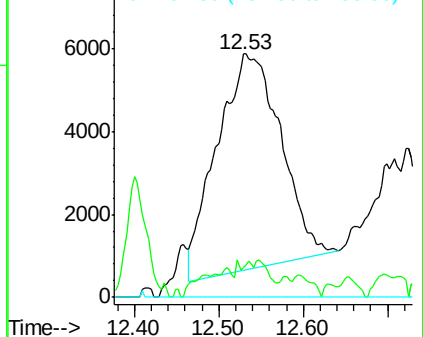
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.919 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

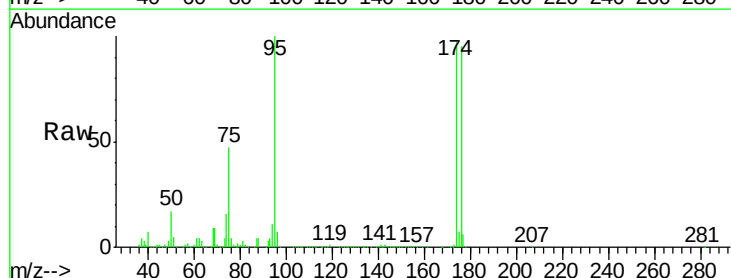
Tgt Ion: 75 Resp: 448959

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

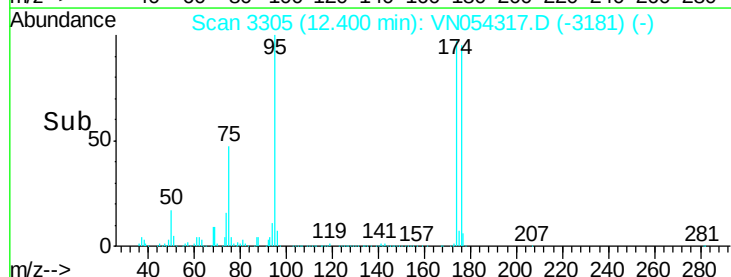
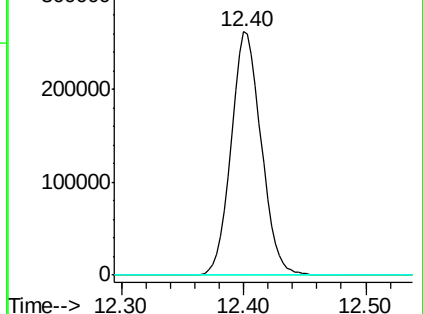
89 0.0 39.2 58.8#

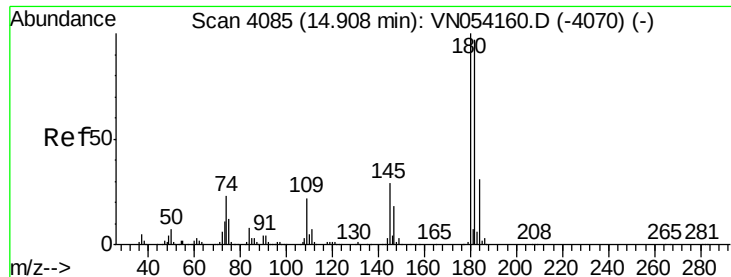


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2,4-Trichlorobenzene

Concen: 2.542 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

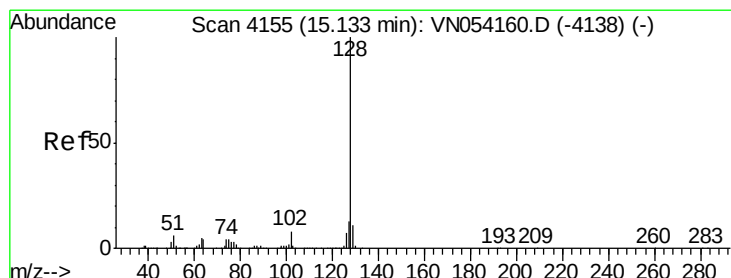
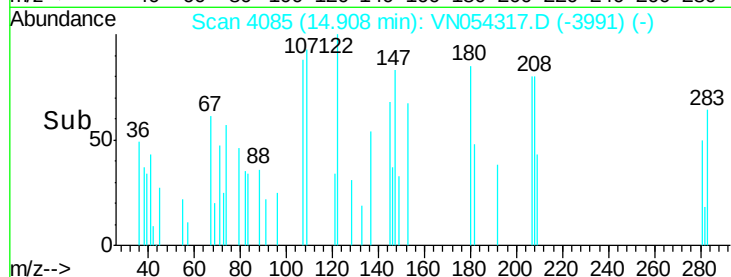
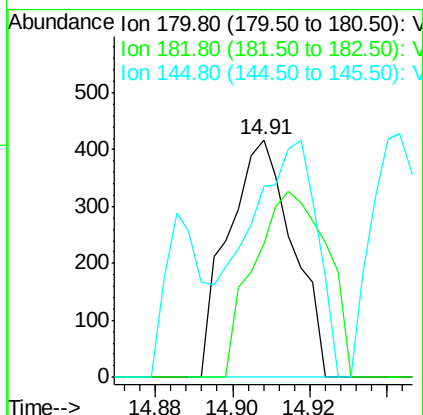
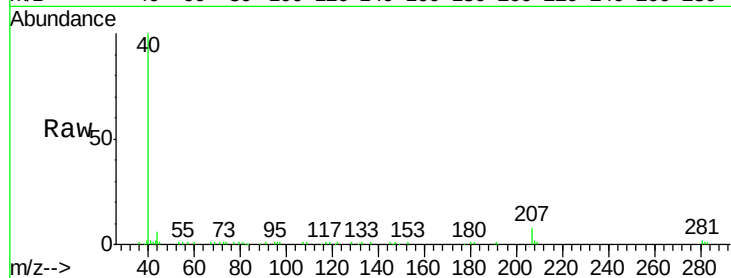
Instrument :

MSVOA_N

ClientSampled :

TW-2

Tot Ion:	180	Resp:	485
Ion	Ratio	Lower	Upper
180	100		
182	87.8	48.0	144.2
145	106.2	14.2	42.8#



#95

Naphthalene

Concen: 12.620 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054317.D

Acq: 15 Mar 2019 18:43

Tgt Ion:	128	Resp:	366155
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	10.9	8.7	13.1

