

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054319.D
 Acq On : 15 Mar 2019 19:38
 Operator : JC/SP
 Sample : K1903-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-6

Quant Time: Mar 16 03:23:35 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	1334228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2218946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2332712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	938926	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	703475	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.59	113	683157	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.09	98	2736134	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	1036852	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	

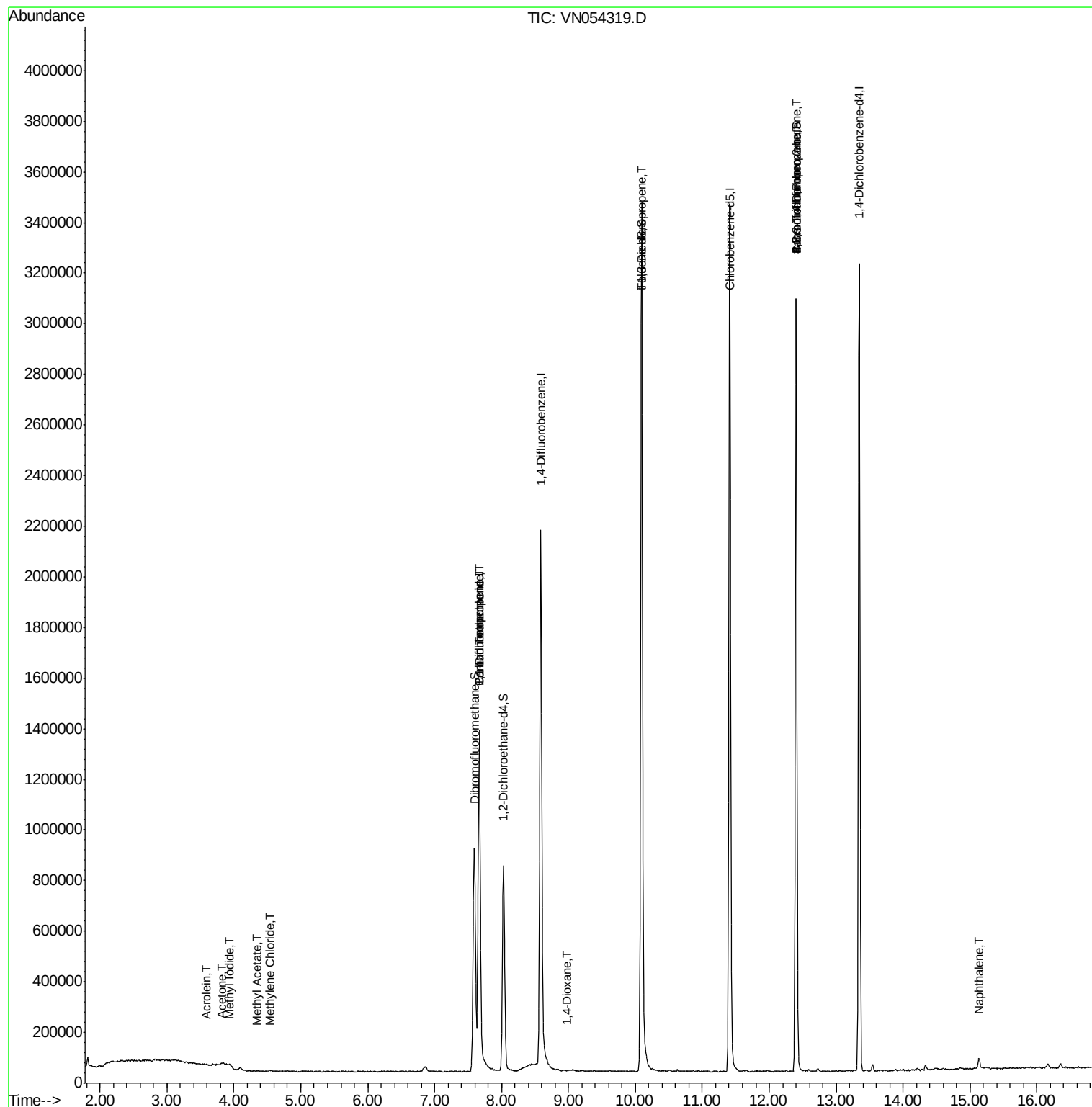
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	349	1.514	ug/l #	72
13) Acrolein	3.60	56	404	0.439	ug/l	93
16) Acetone	3.82	43	17229	4.247	ug/l	93
18) Methyl Acetate	4.34	43	2740	0.334	ug/l #	77
20) Methylene Chloride	4.55	84	3305	0.248	ug/l #	83
31) Cyclohexane	7.66	56	19919	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	78799	3.856	ug/l #	47
38) Carbon Tetrachloride	7.67	117	107180	5.002	ug/l #	16
49) 1,4-Dioxane	8.98	88	31	0.210	ug/l #	1
53) t-1,3-Dichloropropene	10.10	75	440	2.005	ug/l #	1
71) Bromoform	12.41	173	6135	2.763	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	488360	35.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	488360	120.909	ug/l #	11
95) Naphthalene	15.14	128	39297	4.358	ug/l	99

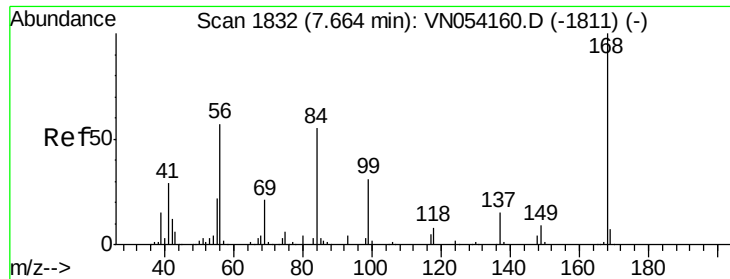
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031519\
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TW-6

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

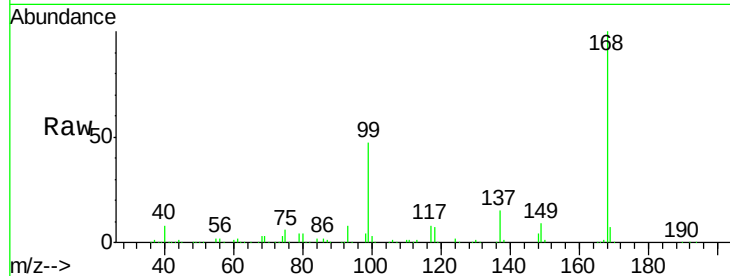
TW-6

Tot Ion:168 Resp: 1334228

Ion Ratio Lower Upper

168 100

99 47.4 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

7.67

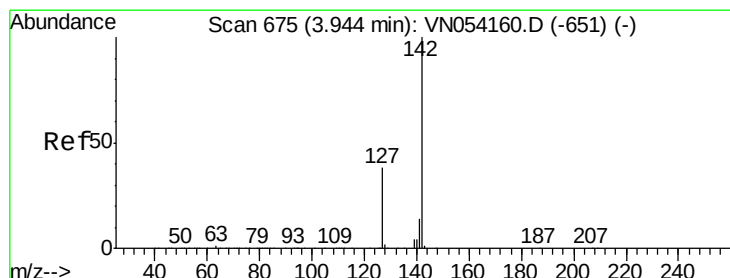
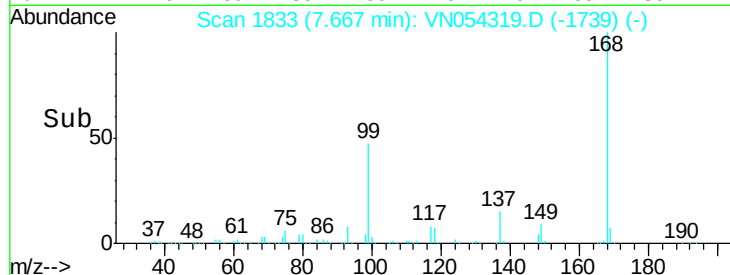
7.60

7.70

7.80

7.90

Time-->



#10

Methyl Iodide

Concen: 1.514 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

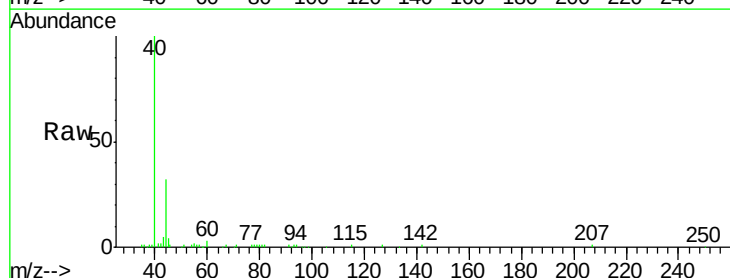
Tgt Ion:142 Resp: 349

Ion Ratio Lower Upper

142 100

127 57.9 30.3 45.5#

141 8.6 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

300

200

100

0

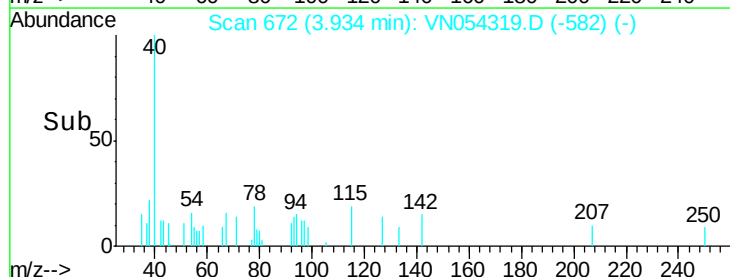
3.93

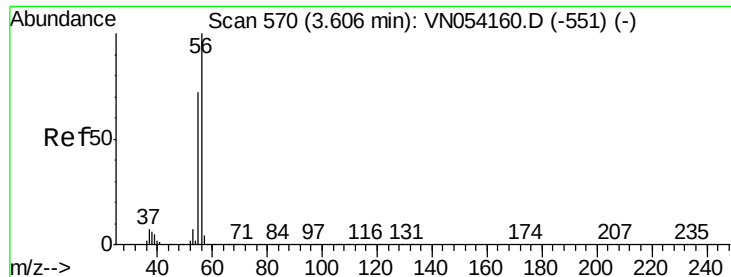
3.92

3.94

3.96

Time-->





#13

Acrolein

Concen: 0.439 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampled :

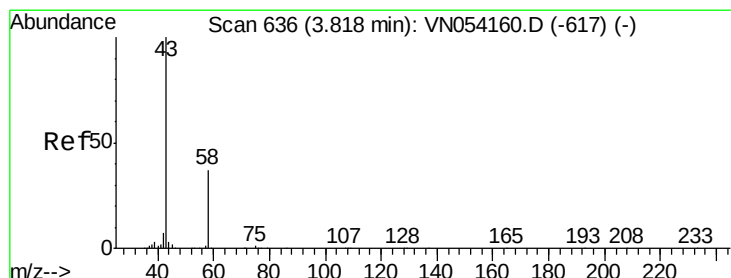
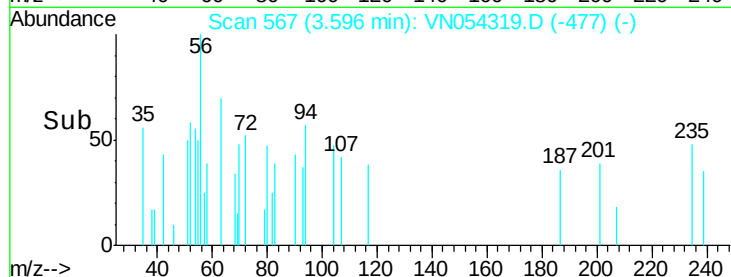
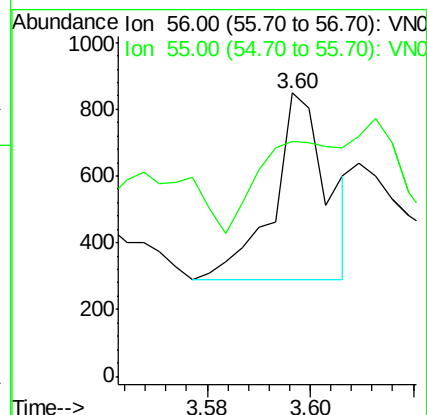
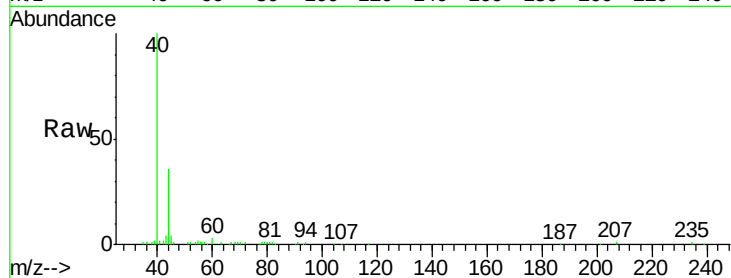
TW-6

Tot Ion: 56 Resp: 404

Ion Ratio Lower Upper

56 100

55 76.7 56.7 85.1



#16

Acetone

Concen: 4.247 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054319.D

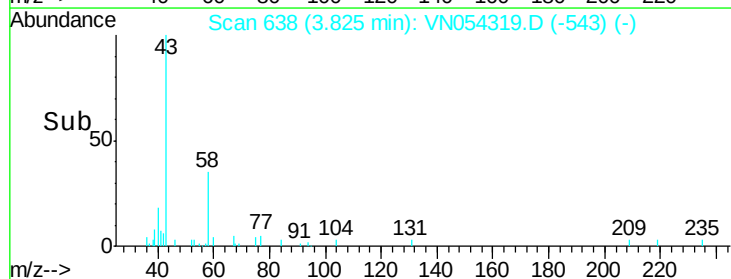
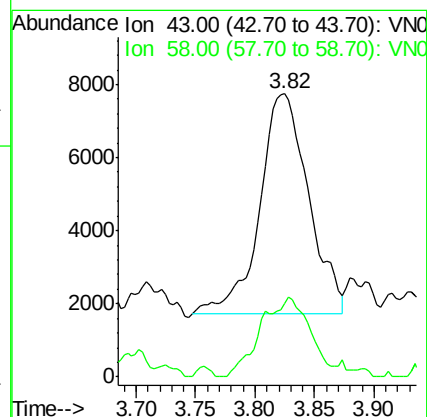
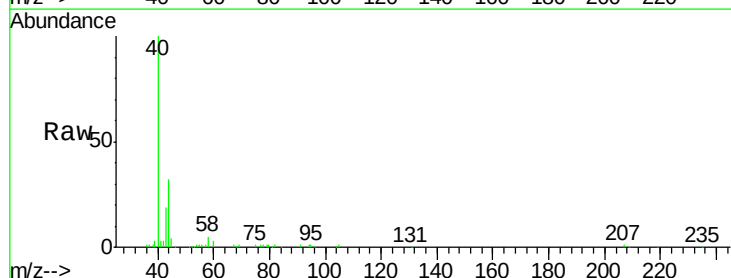
Acq: 15 Mar 2019 19:38

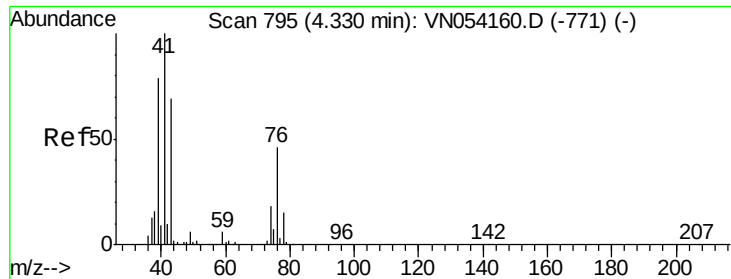
Tgt Ion: 43 Resp: 17229

Ion Ratio Lower Upper

43 100

58 33.3 29.9 44.9

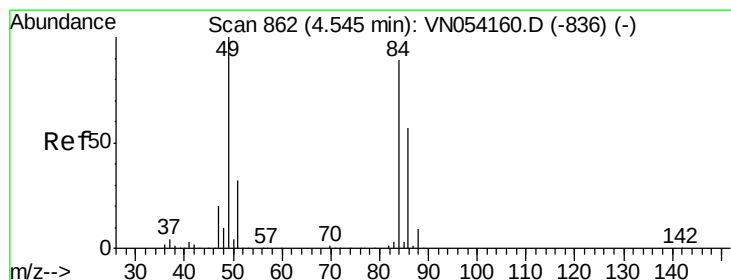
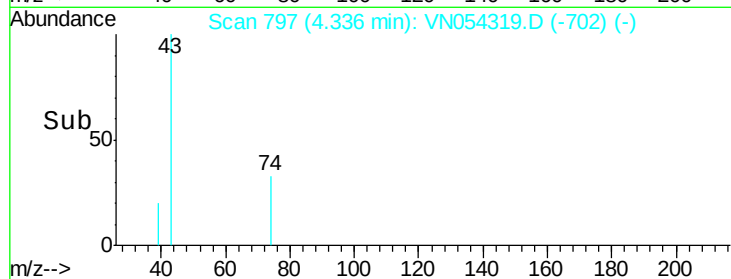
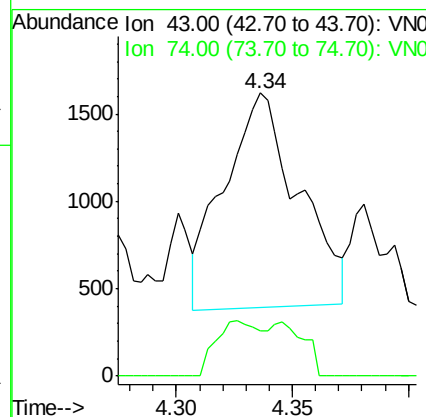
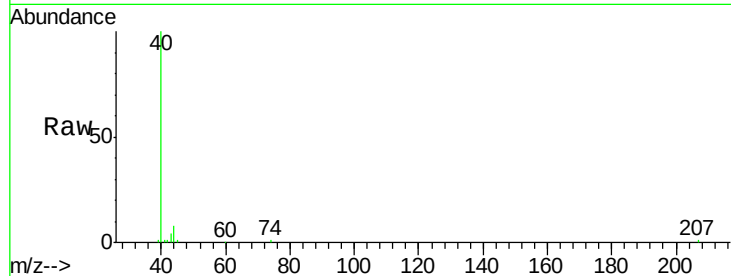




#18
Methvl Acetate
Concen: 0.334 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054319.D
Acq: 15 Mar 2019 19:38

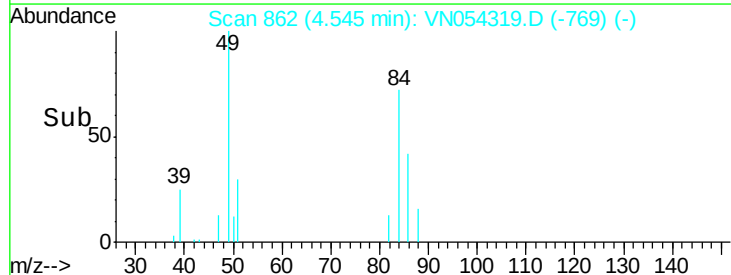
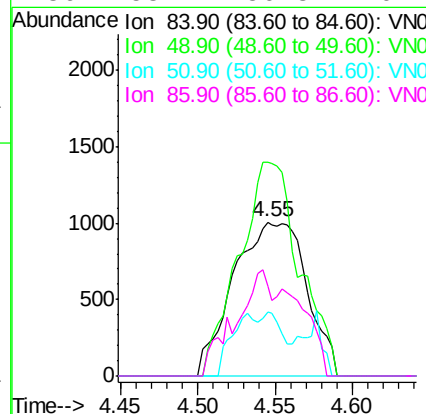
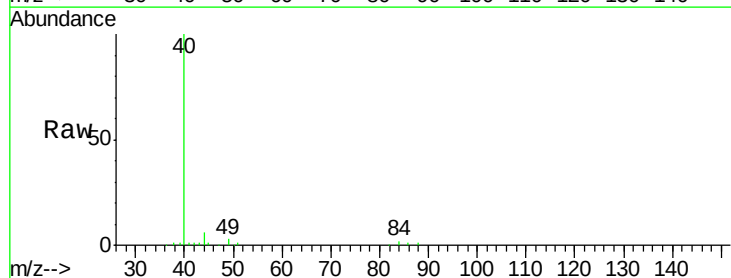
Instrument :
MSVOA_N
ClientSampleId :
TW-6

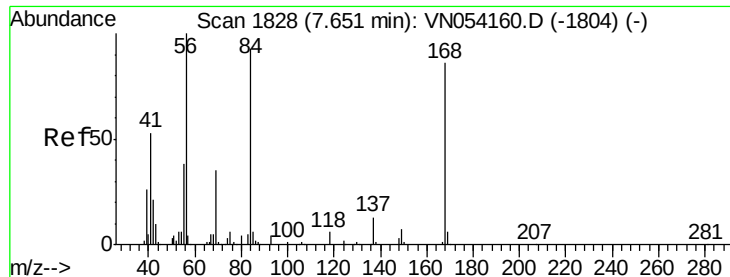
Tot Ion: 43 Resp: 2740
Ion Ratio Lower Upper
43 100
74 14.5 20.8 31.2#



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054319.D
Acq: 15 Mar 2019 19:38

Tgt Ion: 84 Resp: 3305
Ion Ratio Lower Upper
84 100
49 138.7 89.7 134.5#
51 41.9 28.2 42.4
86 58.4 50.8 76.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampled :

TW-6

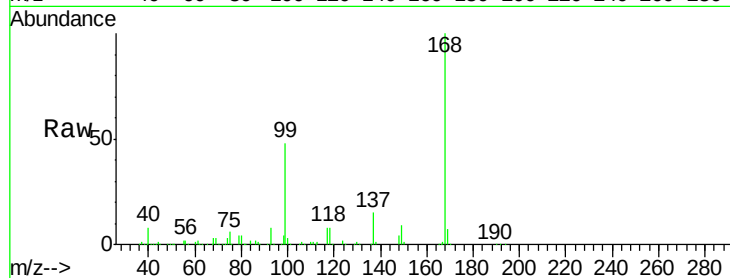
Tot Ion: 56 Resp: 19919

Ion Ratio Lower Upper

56 100

69 185.7 27.8 41.6#

84 141.4 74.6 111.8#

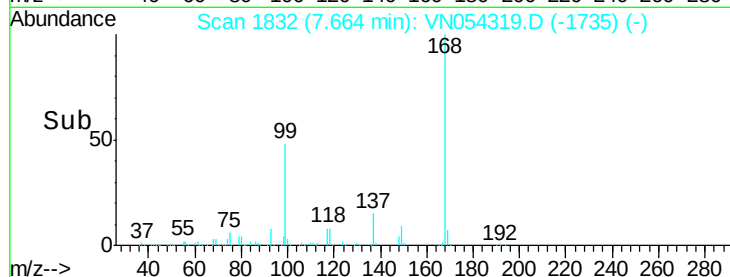


Abundance Ion 56.00 (55.70 to 56.70): VN054319.D (-1832) (-)

Ion 69.00 (68.70 to 69.70): VN054319.D (-1832) (-)

Ion 84.00 (83.70 to 84.70): VN054319.D (-1832) (-)

Time-->

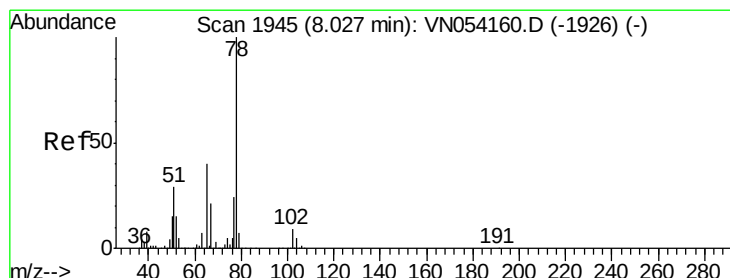


Abundance Ion 56.00 (55.70 to 56.70): VN054319.D (-1832) (-)

Ion 69.00 (68.70 to 69.70): VN054319.D (-1832) (-)

Ion 84.00 (83.70 to 84.70): VN054319.D (-1832) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.647 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054319.D

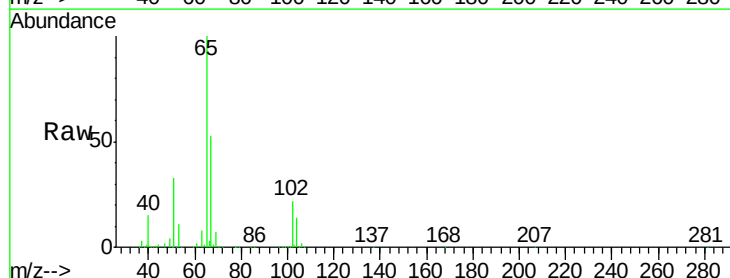
Acq: 15 Mar 2019 19:38

Tgt Ion: 65 Resp: 703475

Ion Ratio Lower Upper

65 100

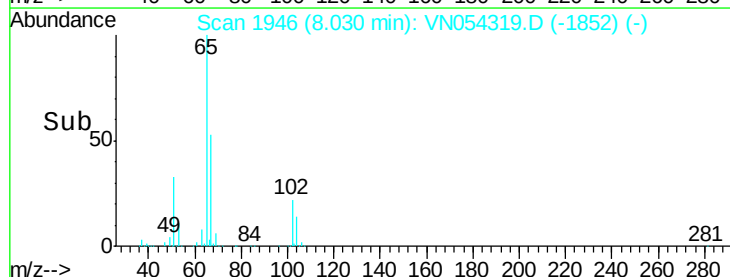
67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054319.D (-1946) (-)

Ion 66.90 (66.60 to 67.60): VN054319.D (-1946) (-)

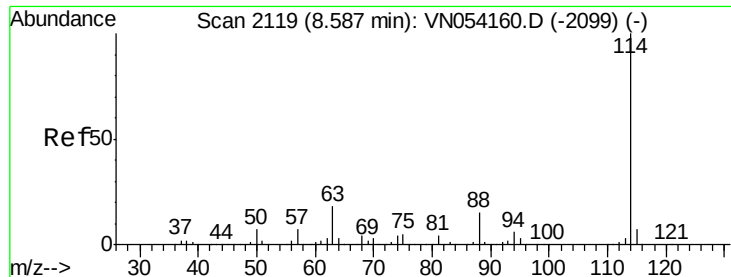
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN054319.D (-1946) (-)

Ion 66.90 (66.60 to 67.60): VN054319.D (-1946) (-)

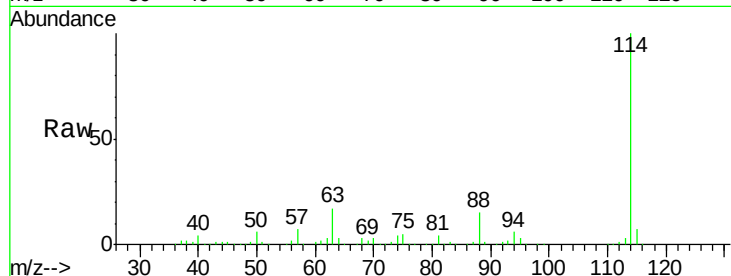
Time-->



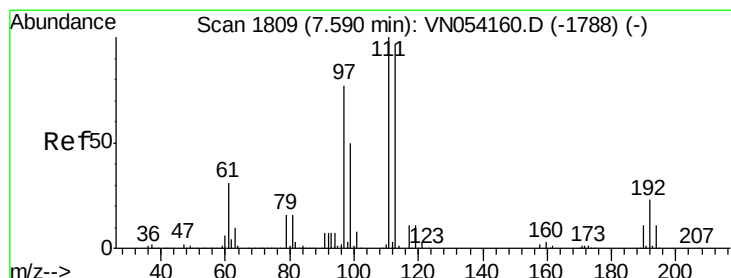
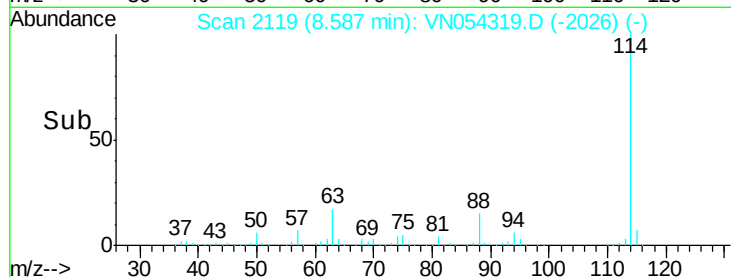
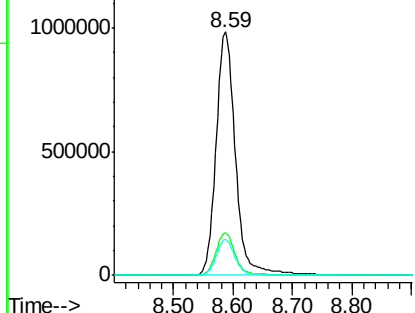
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054319.D
 Acq: 15 Mar 2019 19:38

Instrument :
 MSVOA_N
 ClientSampled :
 TW-6

Tot Ion:114 Resp: 2218946
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.7 0.0 30.2

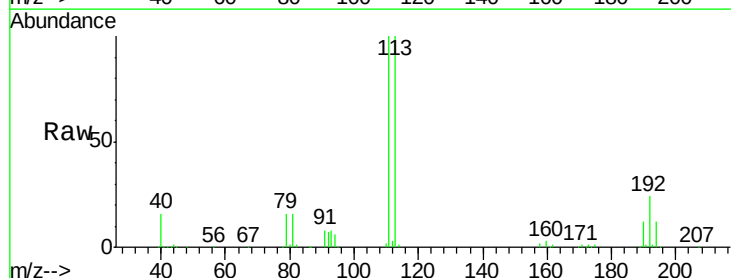


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

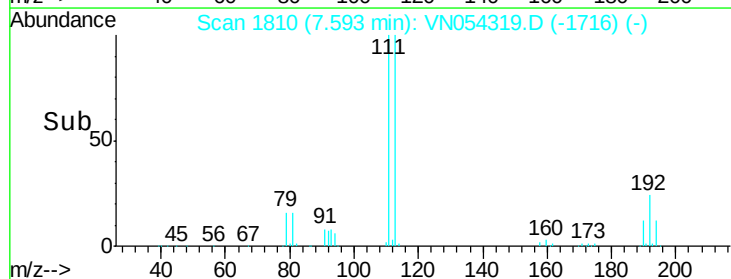
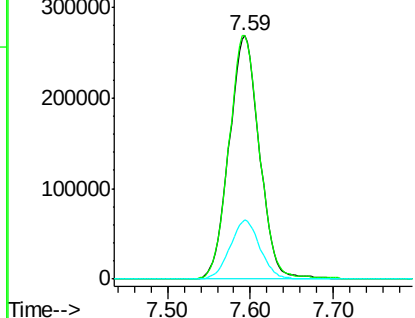


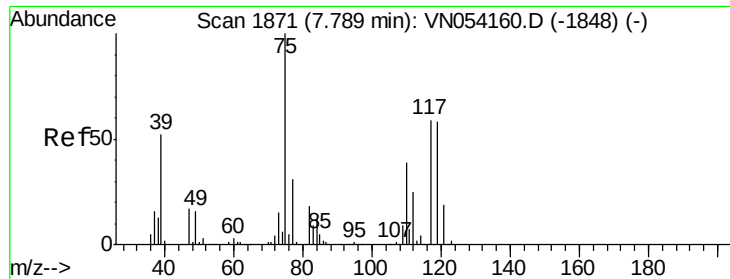
#35
 Dibromofluoromethane
 Concen: 47.736 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054319.D
 Acq: 15 Mar 2019 19:38

Tgt Ion:113 Resp: 683157
 Ion Ratio Lower Upper
 113 100
 111 100.9 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: 3.856 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

TW-6

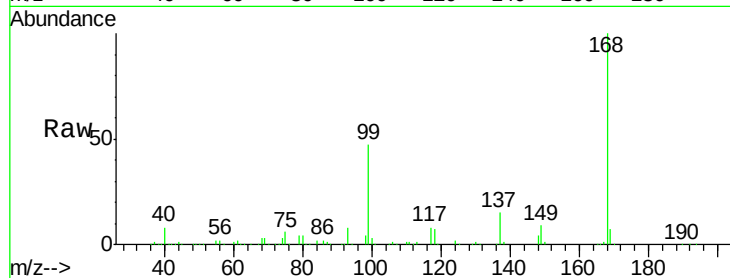
Tot Ion: 75 Resp: 78799

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.5#

77 0.0 25.0 37.4#

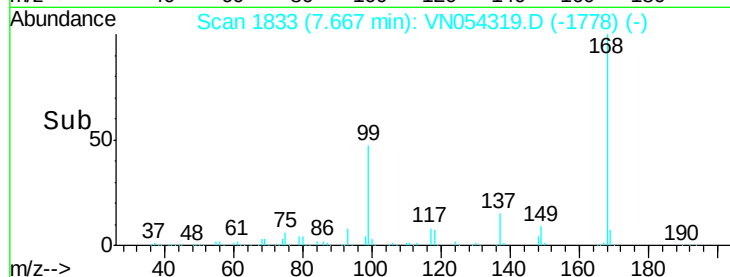


Abundance Ion 74.90 (74.60 to 75.60): VN054319.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054319.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054319.D (-1778) (-)

Time-->



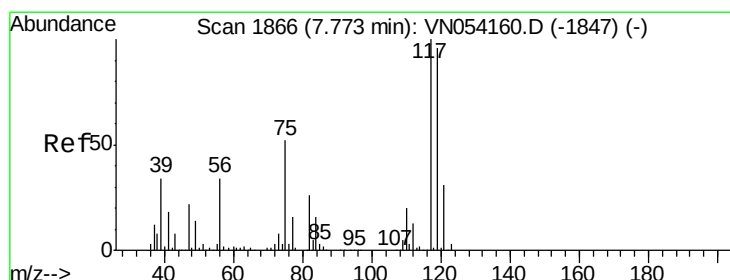
Abundance

Ion 74.90 (74.60 to 75.60): VN054319.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054319.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054319.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.002 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

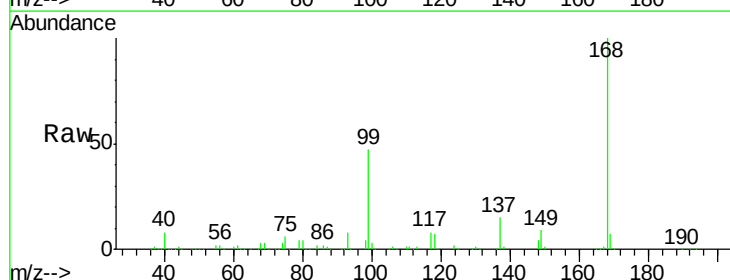
Tgt Ion: 117 Resp: 107180

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

121 0.0 24.6 36.8#

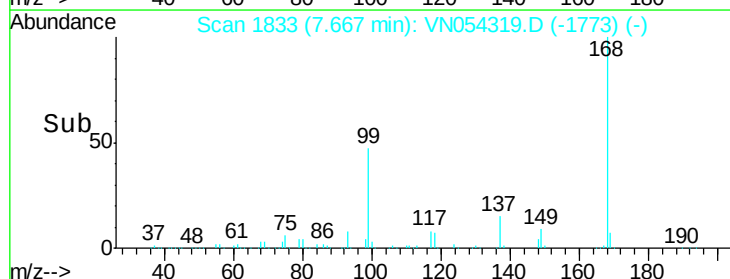


Abundance Ion 116.80 (116.50 to 117.50): VN054319.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054319.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054319.D (-1773) (-)

Time-->



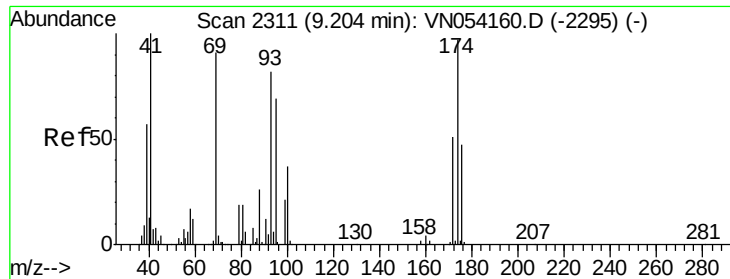
Abundance

Ion 116.80 (116.50 to 117.50): VN054319.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054319.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054319.D (-1773) (-)

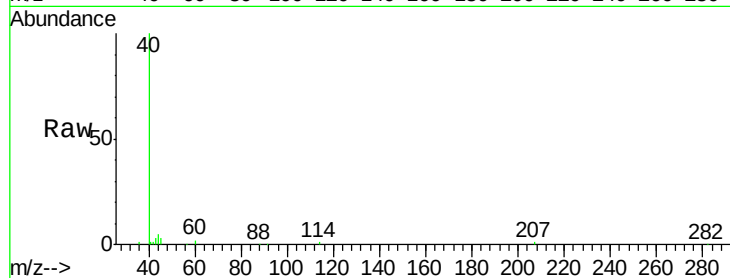
Time-->



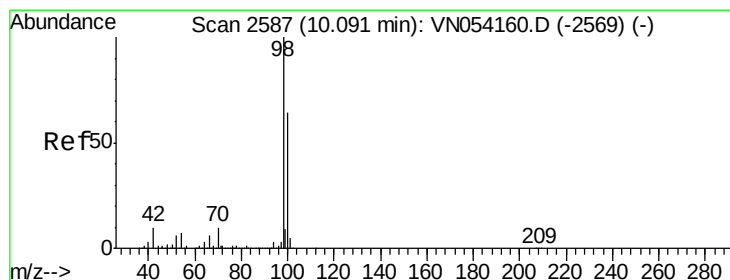
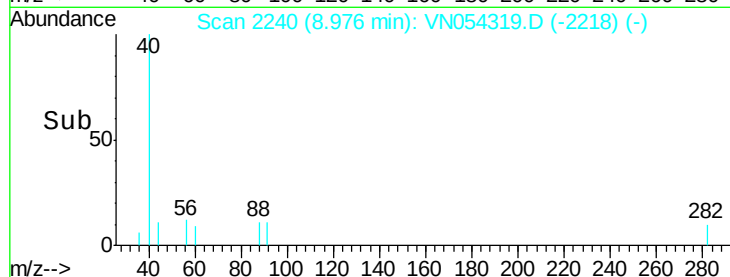
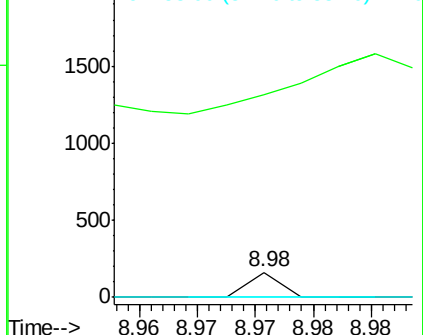
#49
1,4-Dioxane
Concen: 0.210 ug/l
RT: 8.98 min Scan# 2240
Delta R.T. -0.23 min
Lab File: VN054319.D
Acq: 15 Mar 2019 19:38

Instrument :
MSVOA_N
ClientSampled :
TW-6

Tot Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 1383.9 24.1 36.1#
58 0.0 50.8 76.2#

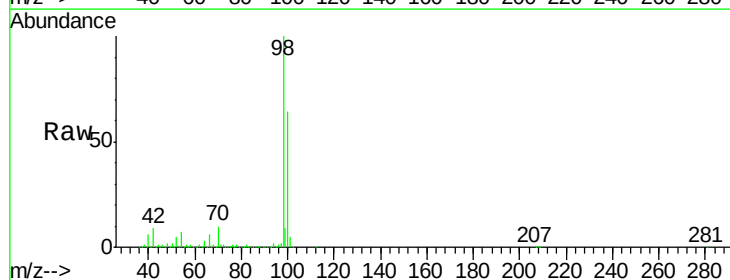


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

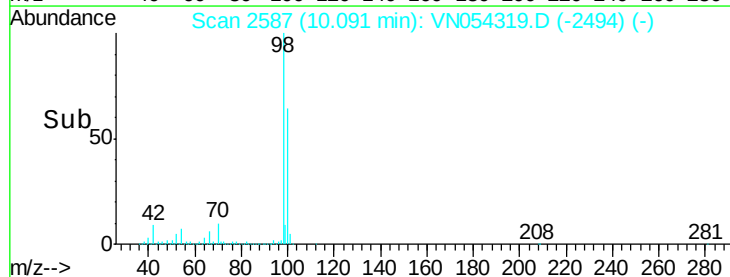
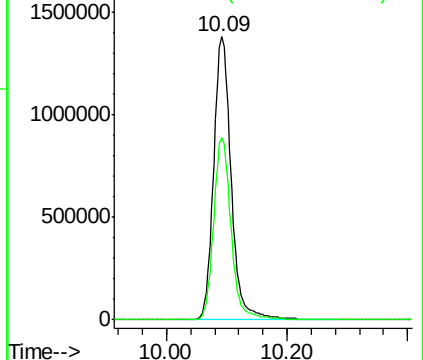


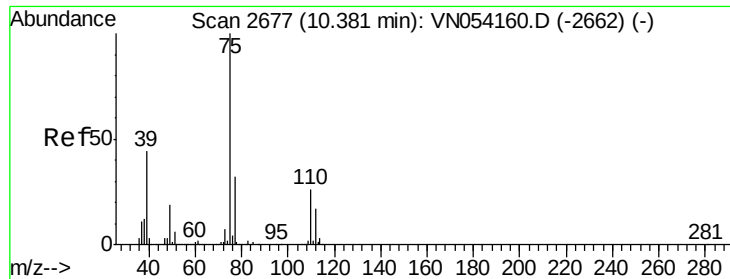
#50
Toluene-d8
Concen: 51.768 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054319.D
Acq: 15 Mar 2019 19:38

Tgt Ion: 98 Resp: 2736134
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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





#53

t-1,3-Dichloropropene

Concen: 2.005 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.28 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampled :

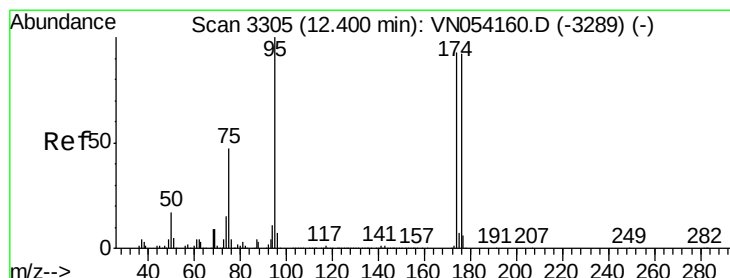
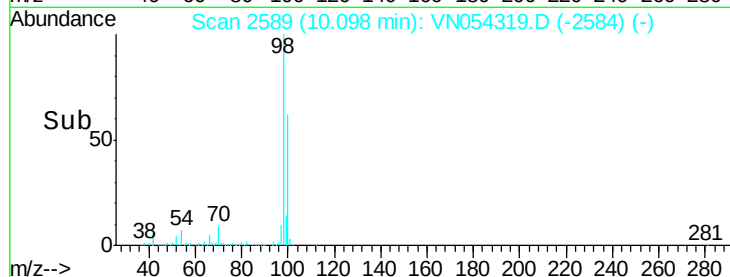
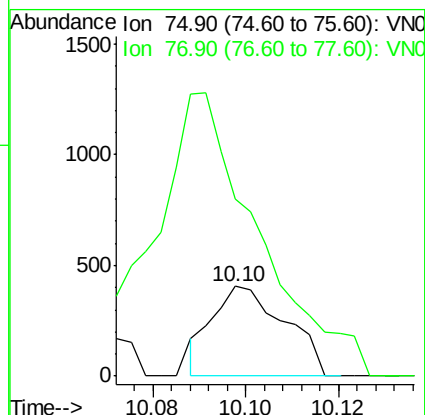
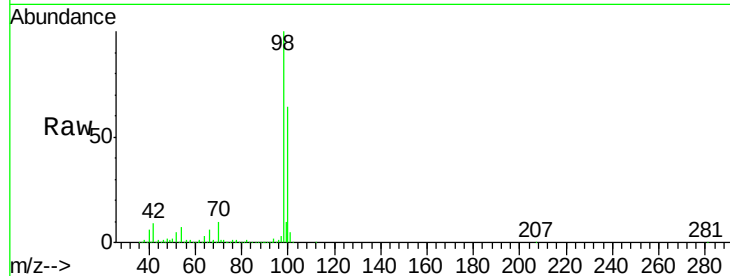
TW-6

Tot Ion: 75 Resp: 440

Ion Ratio Lower Upper

75 100

77 149.4 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 56.066 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

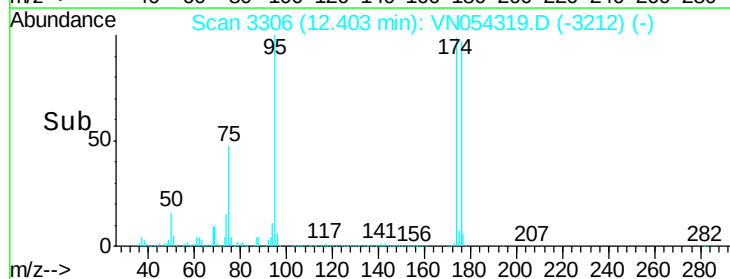
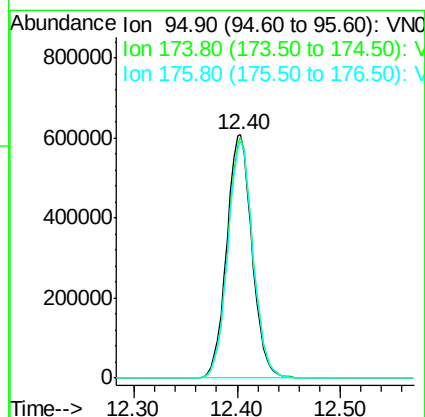
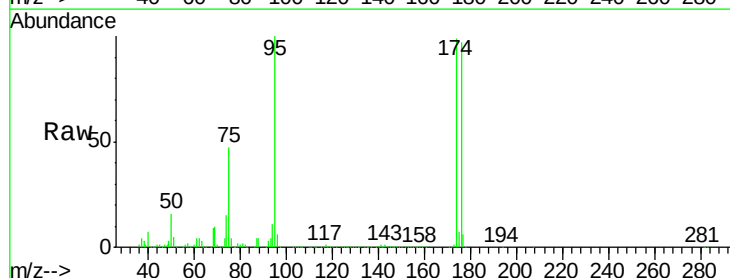
Tgt Ion: 95 Resp: 1036852

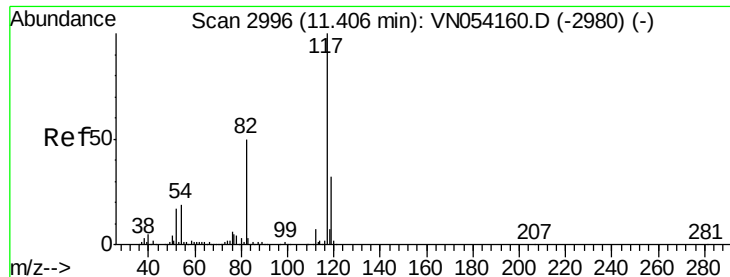
Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

176 97.1 0.0 187.4

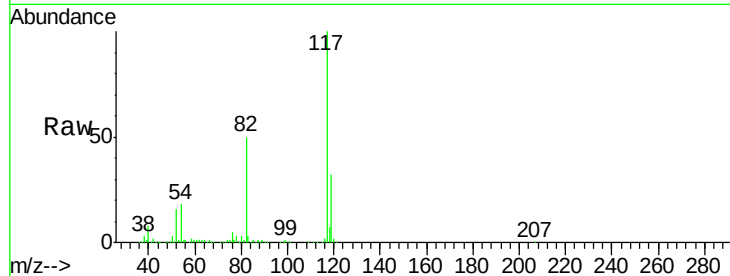




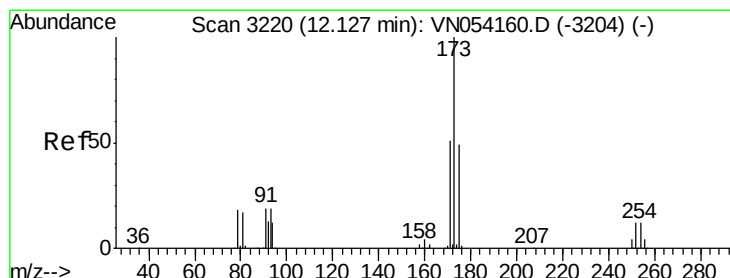
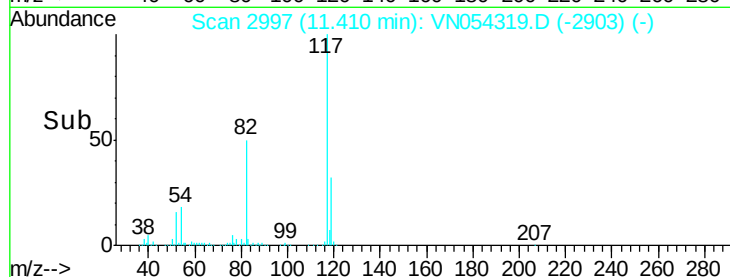
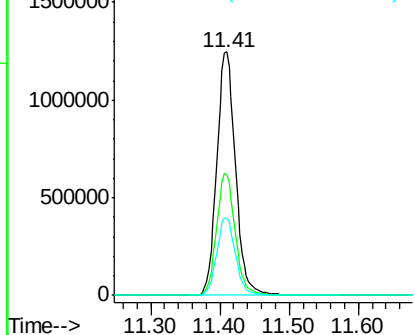
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054319.D
Acq: 15 Mar 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
TW-6

Tot Ion:117 Resp: 2332712
Ion Ratio Lower Upper
117 100
82 49.8 40.0 60.0
119 31.9 25.8 38.6

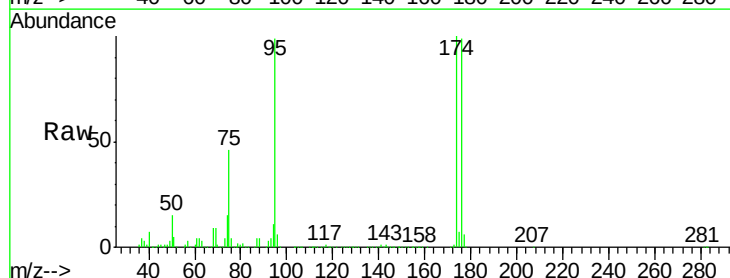


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

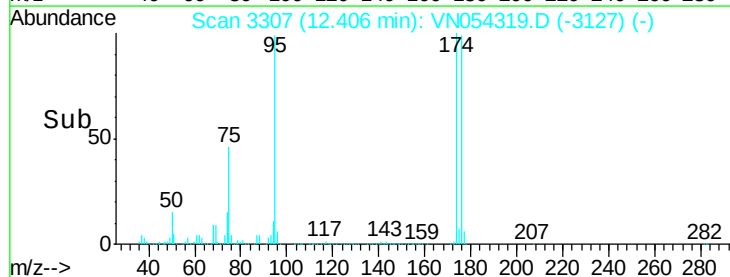
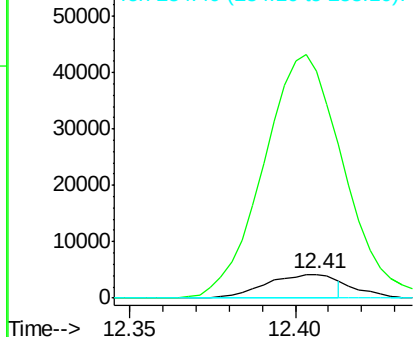


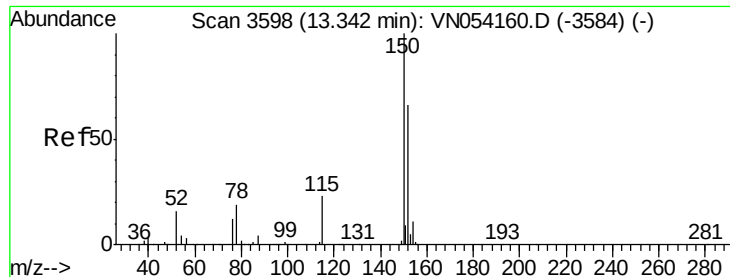
#71
Bromoform
Concen: 2.763 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN054319.D
Acq: 15 Mar 2019 19:38

Tgt Ion:173 Resp: 6135
Ion Ratio Lower Upper
173 100
175 1005.7 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: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

TW-6

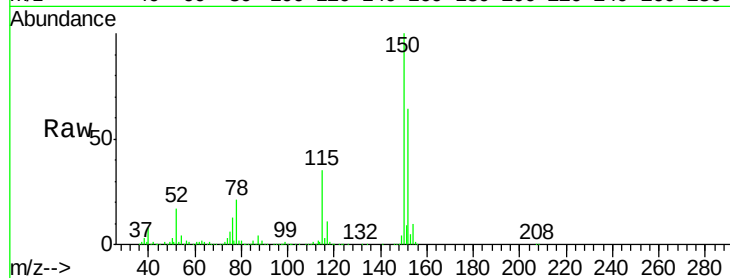
Tot Ion:152 Resp: 938926

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

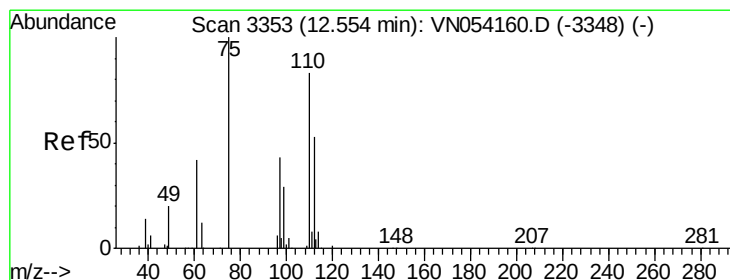
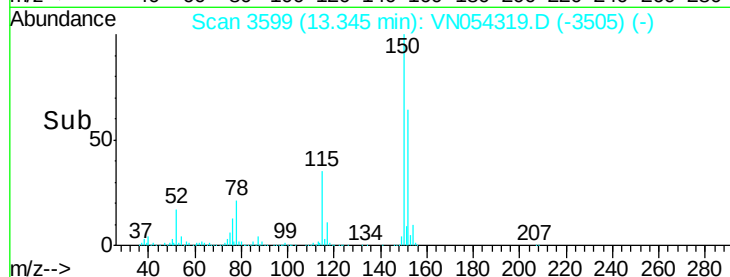
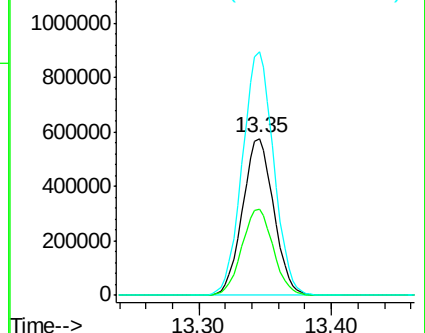
150 156.7 0.0 349.2



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: 35.370 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054319.D

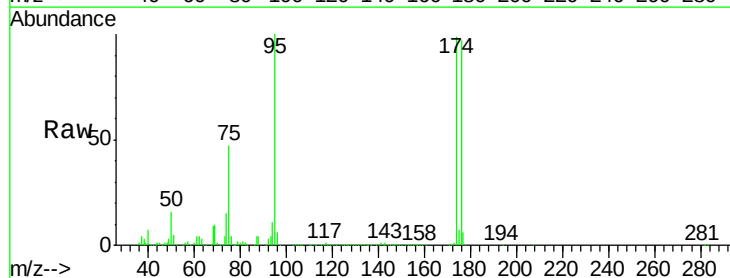
Acq: 15 Mar 2019 19:38

Tgt Ion: 75 Resp: 488360

Ion Ratio Lower Upper

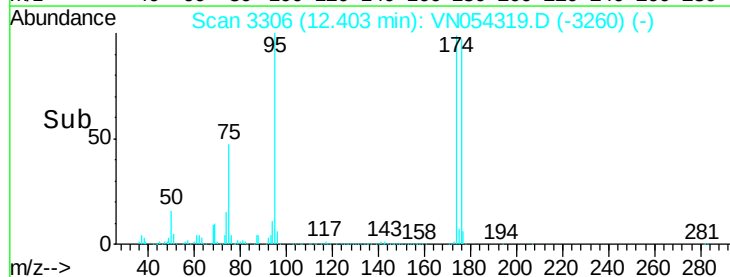
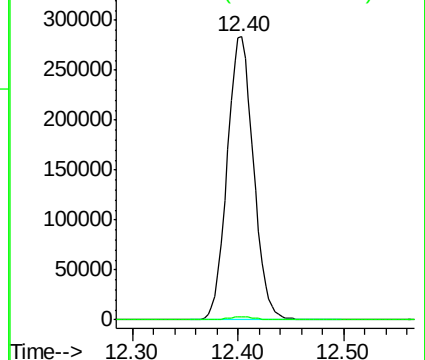
75 100

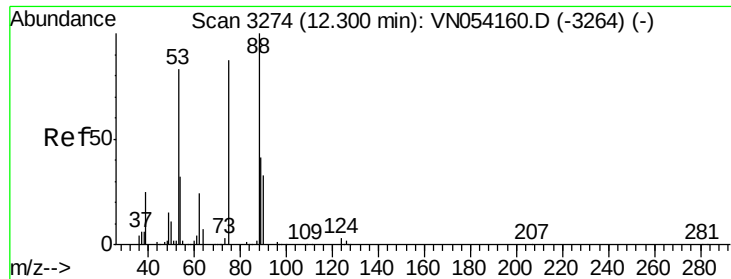
77 1.1 0.0 0.0#



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: 120.909 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

Instrument :

MSVOA_N

ClientSampled :

TW-6

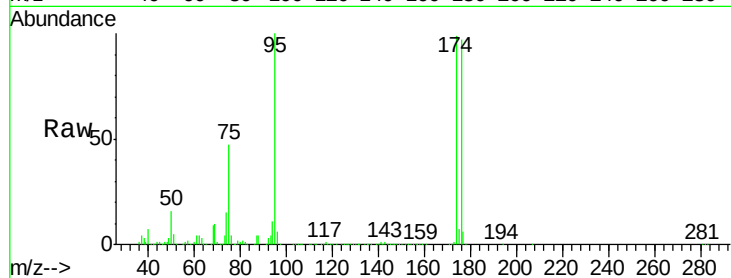
Tot Ion: 75 Resp: 488360

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

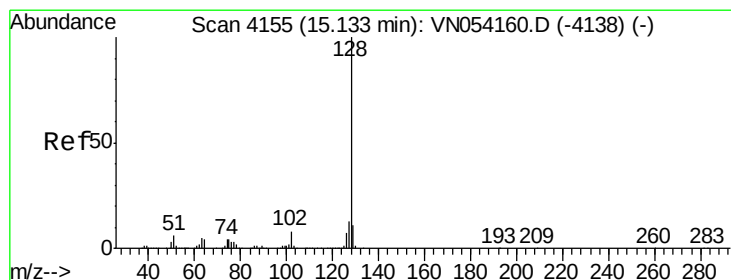
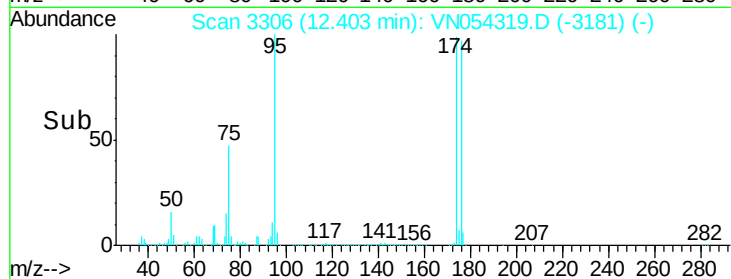
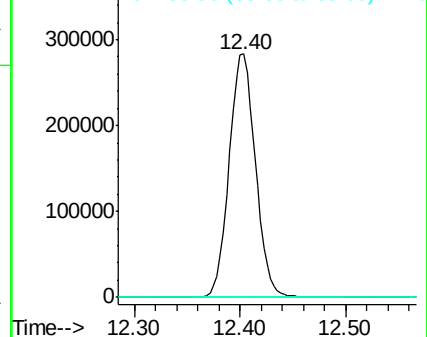
89 0.0 39.2 58.8#



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



#95

Naphthalene

Concen: 4.358 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054319.D

Acq: 15 Mar 2019 19:38

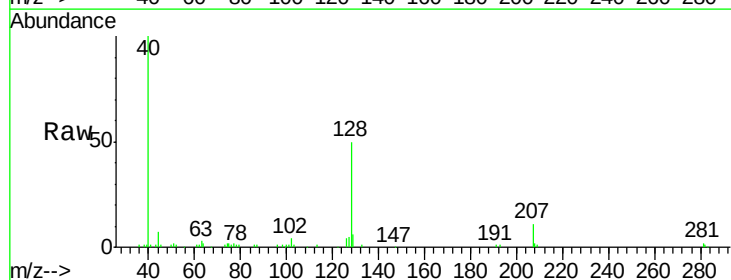
Tgt Ion: 128 Resp: 39297

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

129 10.9 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

