

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054579.D
 Acq On : 23 Mar 2019 1:53
 Operator : JC/SP
 Sample : K2045-05
 Misc : 6.35uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(23-25)ME

Quant Time: Mar 23 02:39:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	528374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	850174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	715879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291747	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	340225	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.59	113	252293	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
50) Toluene-d8	10.09	98	1018939	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	326804	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

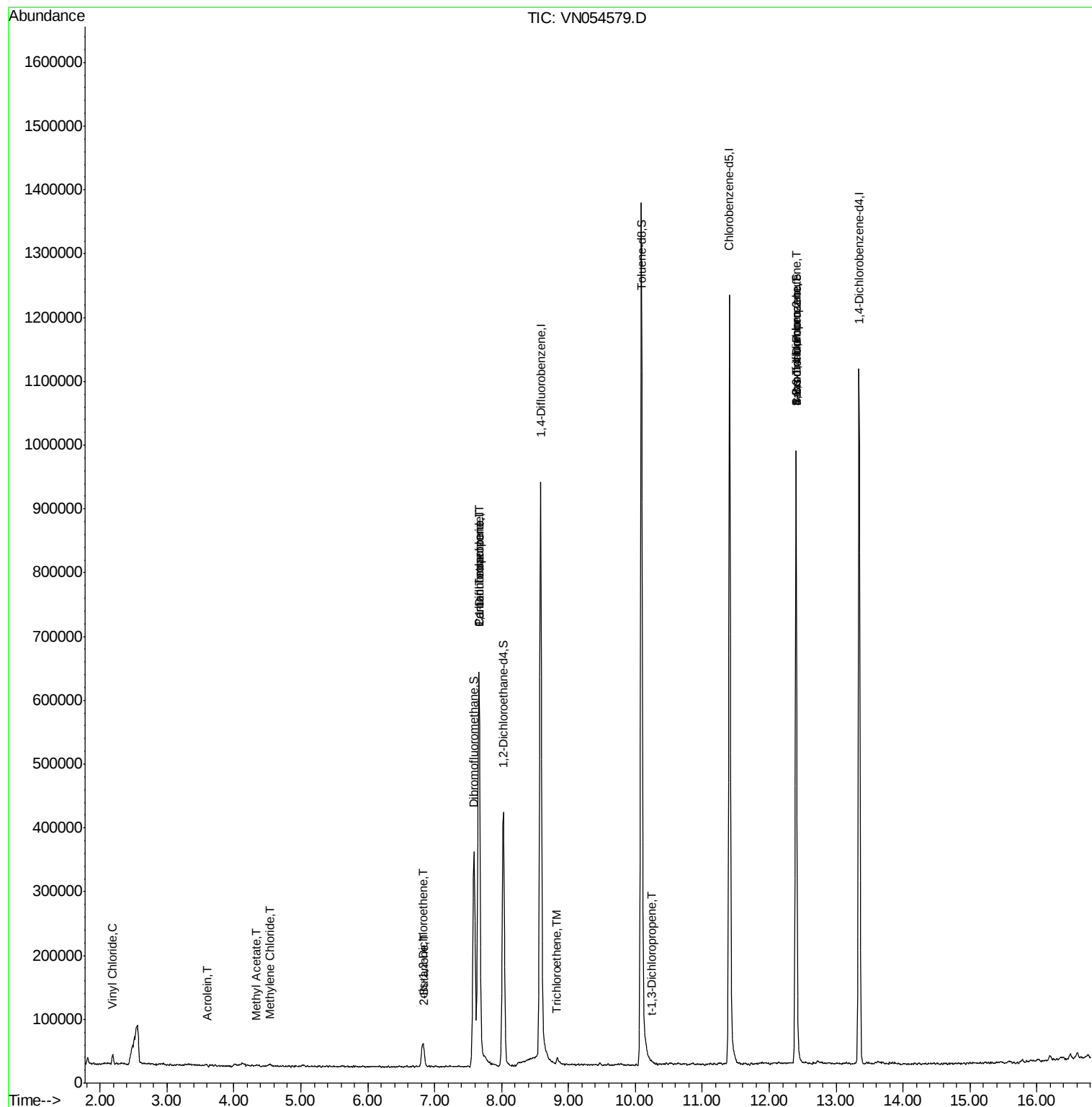
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	11932	1.729	ug/l	92
13) Acrolein	3.60	56	250	0.455	ug/l #	44
18) Methyl Acetate	4.32	43	970	0.220	ug/l	90
20) Methylene Chloride	4.54	84	1175	0.202	ug/l #	90
25) 2-Butanone	6.85	43	526	0.208	ug/l #	46
27) cis-1,2-Dichloroethene	6.83	96	23441	3.776	ug/l	96
31) Cyclohexane	7.66	56	11440	Below Cal	#	29
36) 1,1-Dichloropropene	7.66	75	39936	5.024	ug/l #	47
38) Carbon Tetrachloride	7.66	117	50055	6.480	ug/l #	17
44) Trichloroethene	8.83	130	3578	0.566	ug/l	86
53) t-1,3-Dichloropropene	10.25	75	406	2.281	ug/l #	42
71) Bromoform	12.40	173	1496	2.617	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	168674	36.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168674	120.805	ug/l #	11

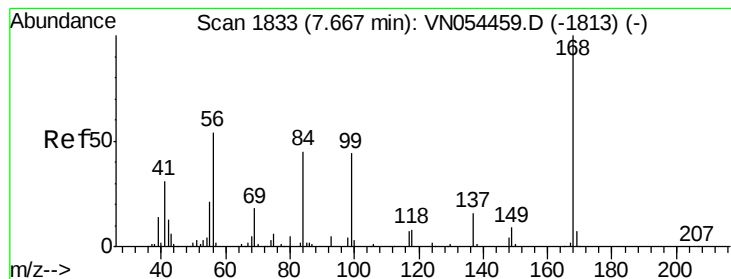
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

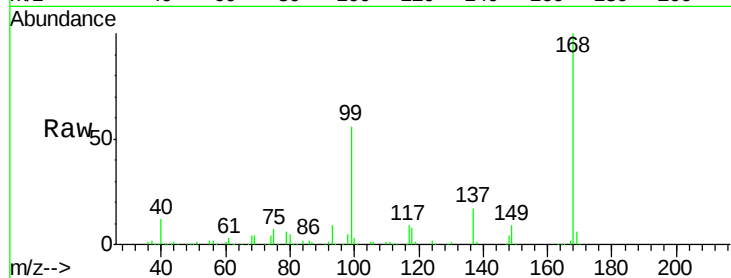
WP022SB439-190318-(23-25)ME

Tot Ion:168 Resp: 528374

Ion Ratio Lower Upper

168 100

99 55.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

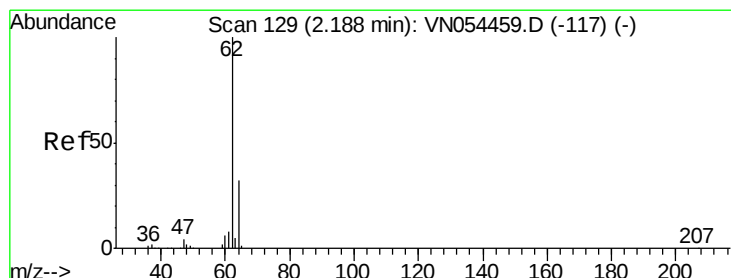
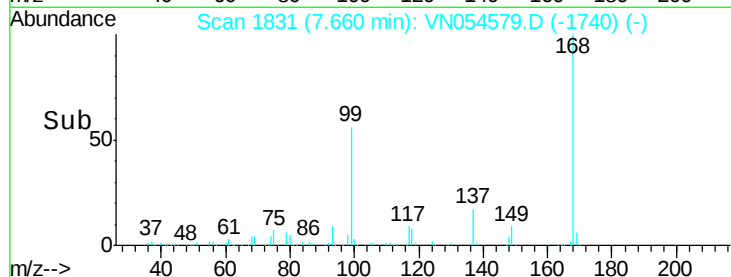
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 1.729 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054579.D

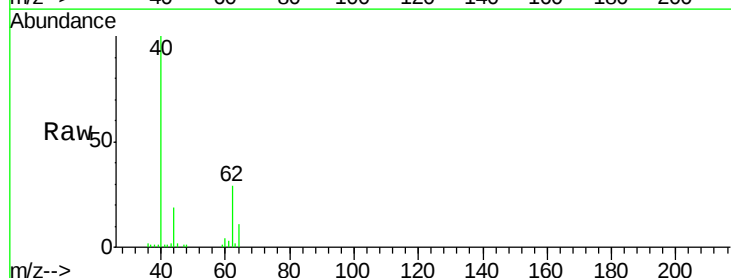
Acq: 23 Mar 2019 1:53

Tgt Ion: 62 Resp: 11932

Ion Ratio Lower Upper

62 100

64 36.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

8000

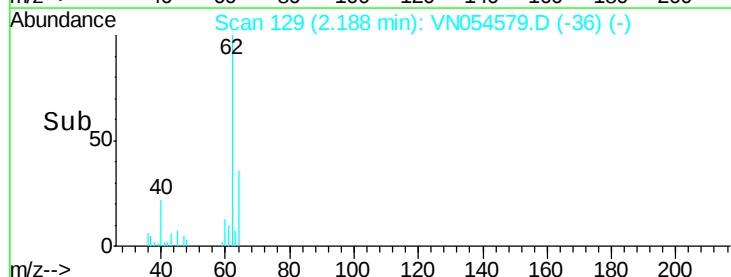
6000

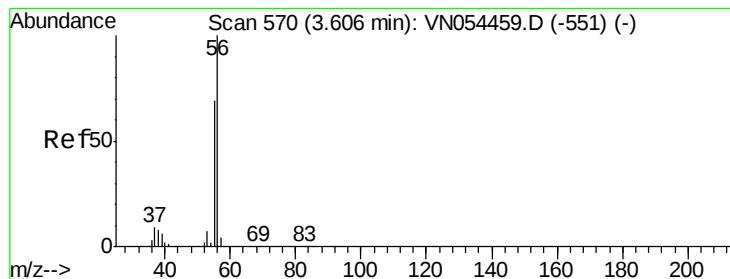
4000

2000

0

Time-->





#13

Acrolein

Concen: 0.455 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

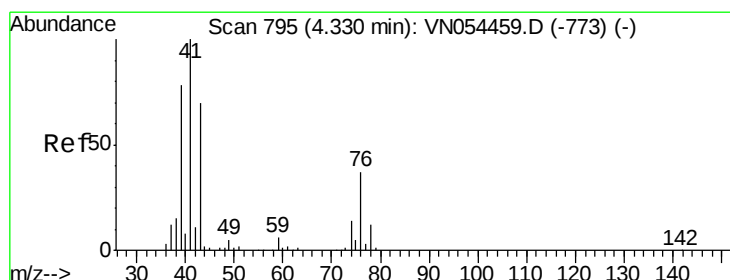
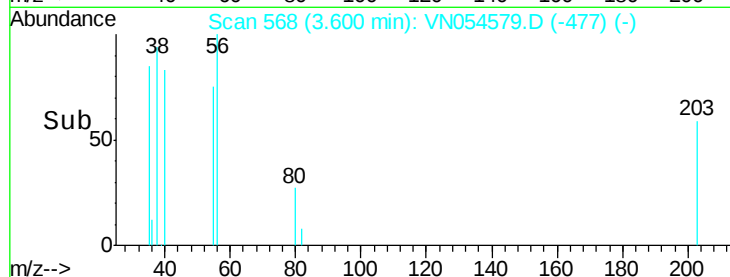
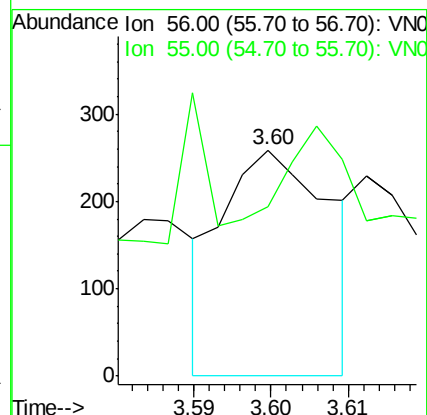
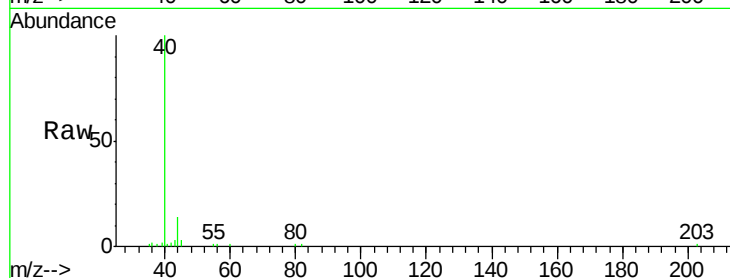
WP022SB439-190318-(23-25)ME

Tot Ion: 56 Resp: 250

Ion Ratio Lower Upper

56 100

55 117.2 56.7 85.1#



#18

Methyl Acetate

Concen: 0.220 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN054579.D

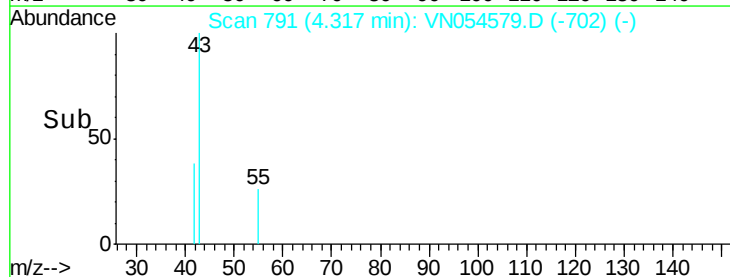
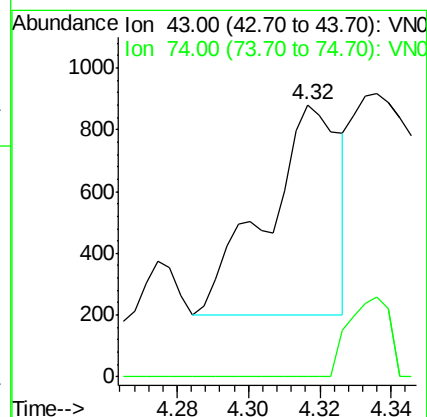
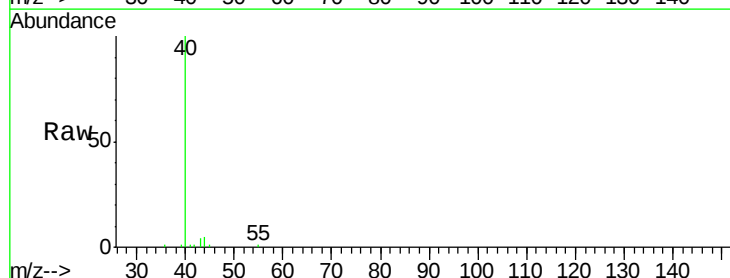
Acq: 23 Mar 2019 1:53

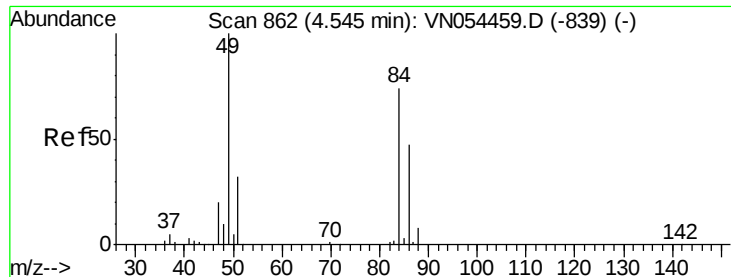
Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

43 100

74 21.0 20.8 31.2

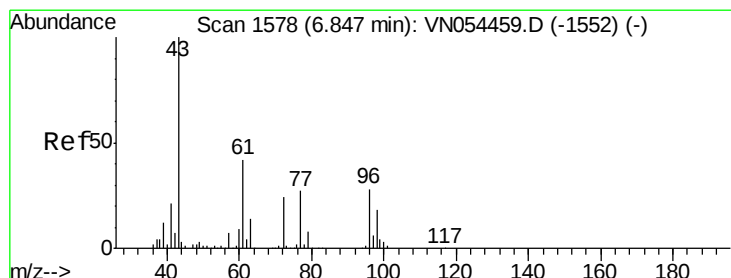
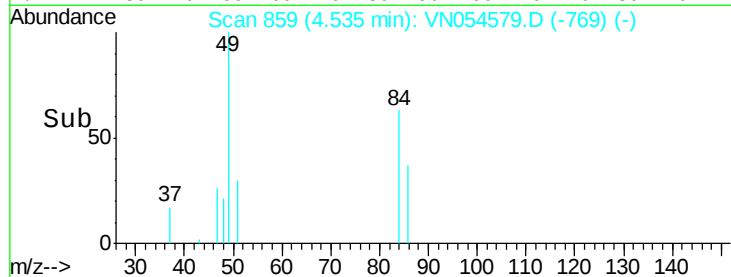
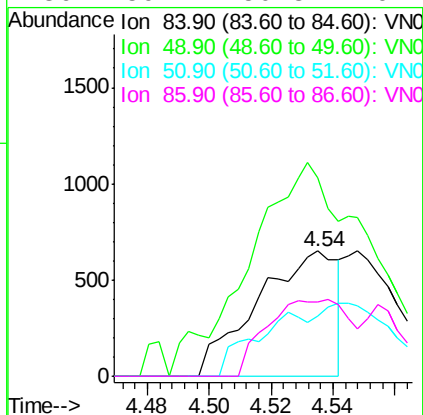
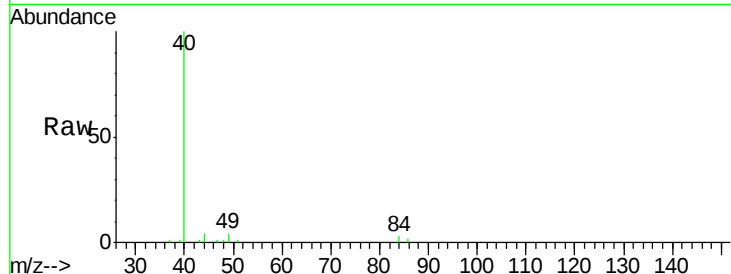




#20
Methvlene Chloride
Concen: 0.202 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054579.D
Acq: 23 Mar 2019 1:53

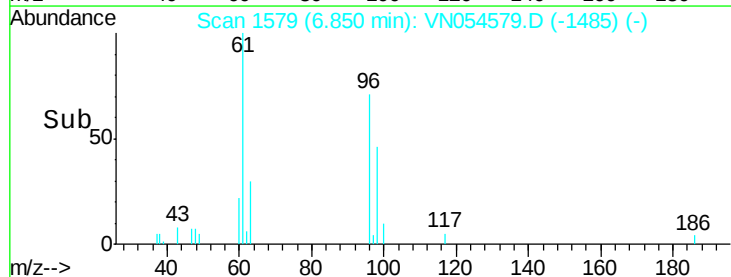
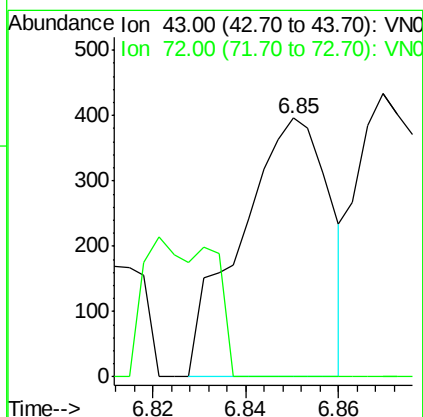
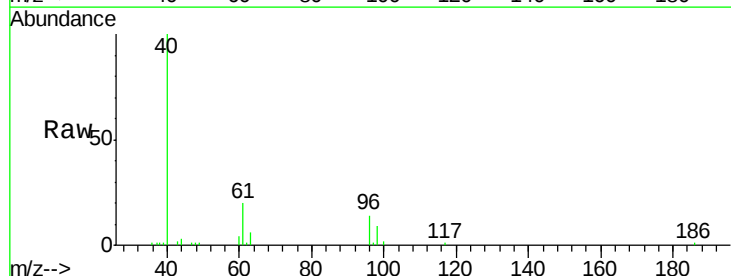
Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(23-25)ME

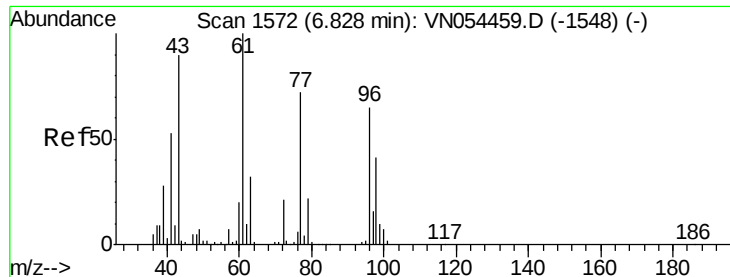
Tot Ion: 84 Resp: 1175
Ion Ratio Lower Upper
84 100
49 122.5 89.7 134.5
51 47.9 28.2 42.4#
86 59.2 50.8 76.2



#25
2-Butanone
Concen: 0.208 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054579.D
Acq: 23 Mar 2019 1:53

Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#27

cis-1,2-Dichloroethene

Concen: 3.776 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(23-25)ME

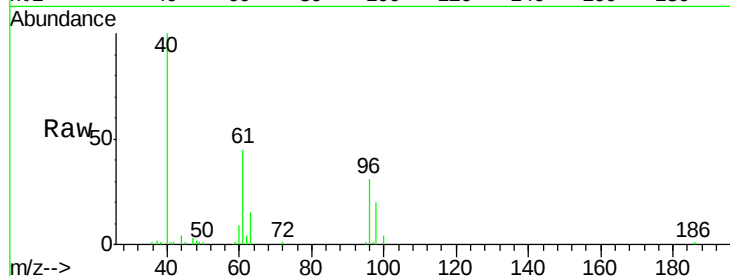
Tot Ion: 96 Resp: 23441

Ion Ratio Lower Upper

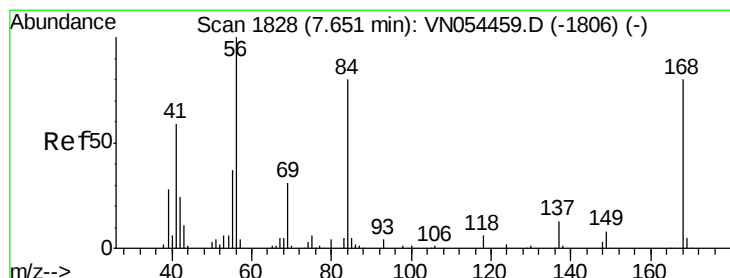
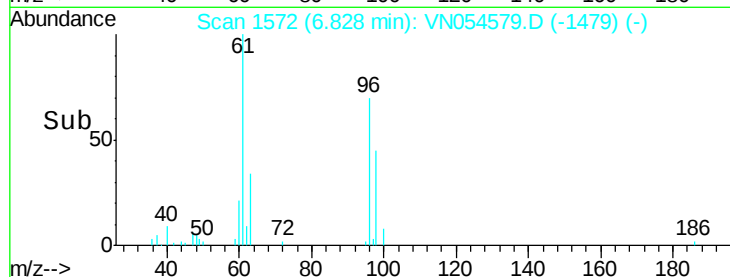
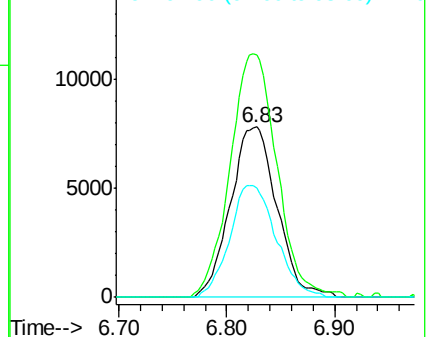
96 100

61 142.9 0.0 273.0

98 65.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

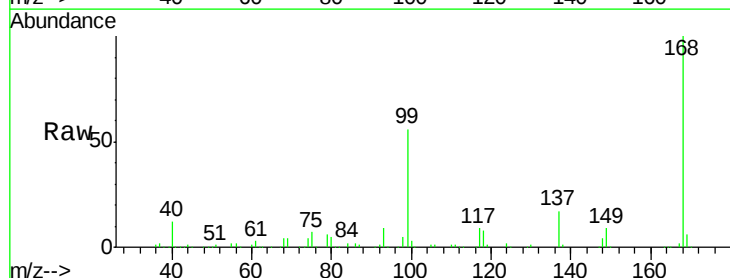
Tgt Ion: 56 Resp: 11440

Ion Ratio Lower Upper

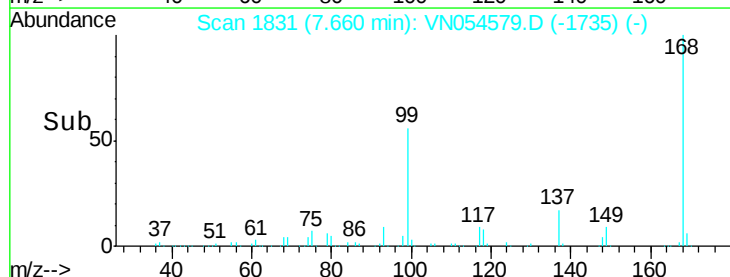
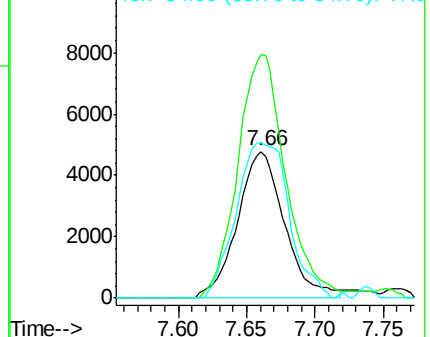
56 100

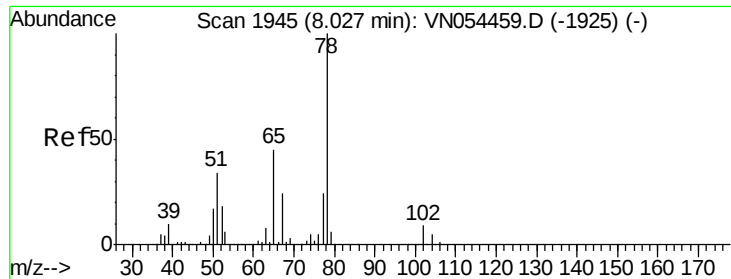
69 166.4 27.8 41.6#

84 106.0 74.6 111.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.768 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

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ClientSampleId :

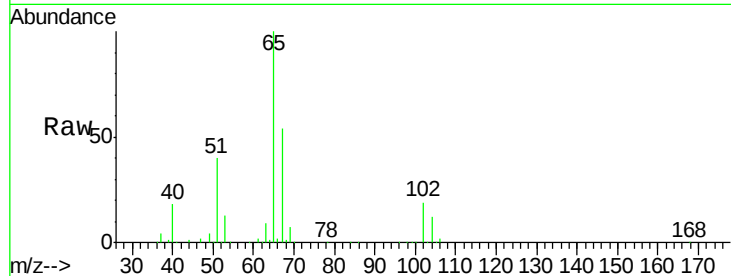
WP022SB439-190318-(23-25)ME

Tot Ion: 65 Resp: 340225

Ion Ratio Lower Upper

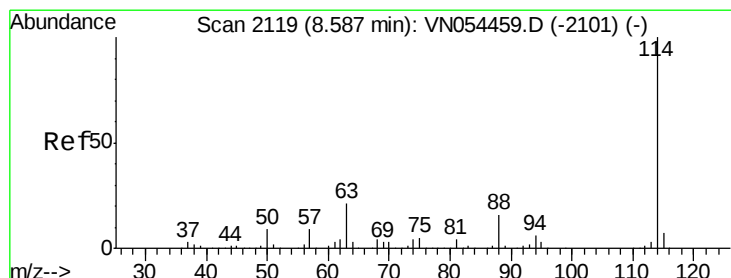
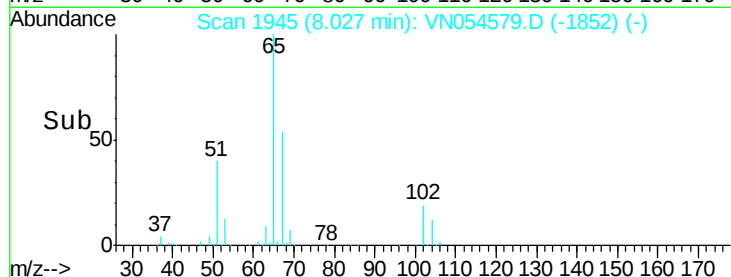
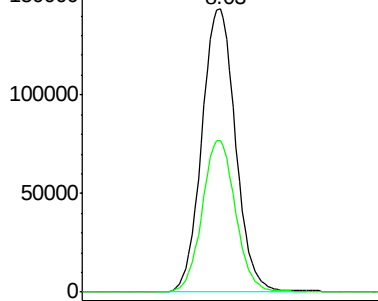
65 100

67 53.0 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: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

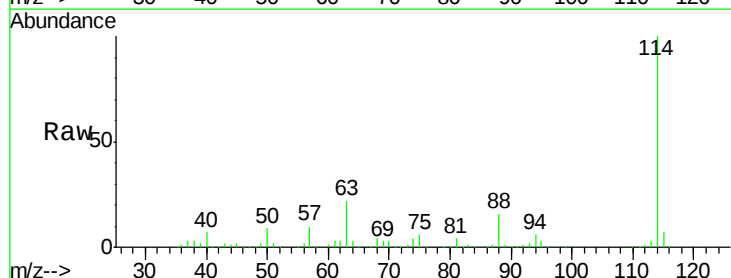
Tgt Ion: 114 Resp: 850174

Ion Ratio Lower Upper

114 100

63 21.5 0.0 35.2

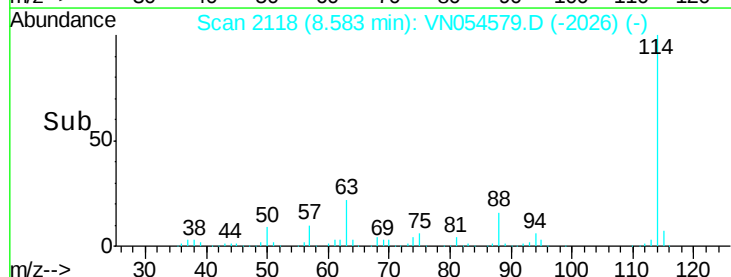
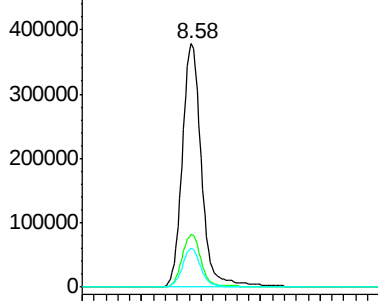
88 16.0 0.0 30.2

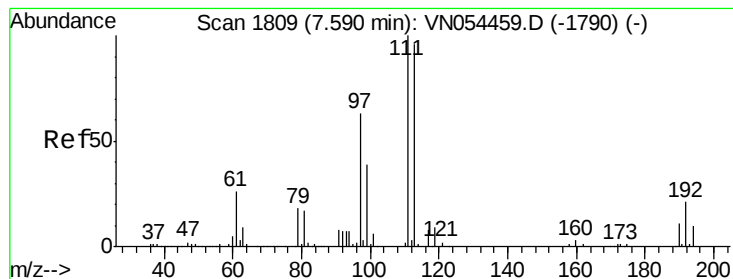


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 46.062 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

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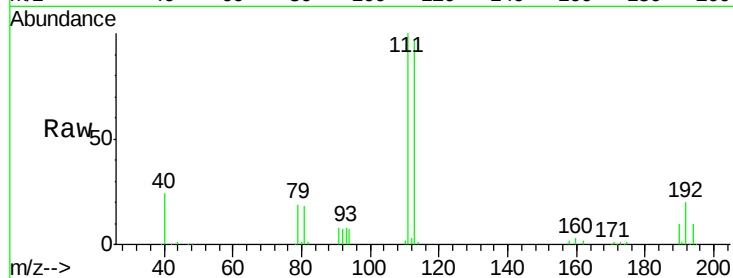
Tot Ion:113 Resp: 252293

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

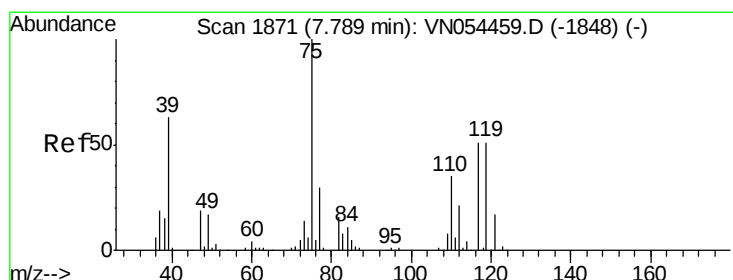
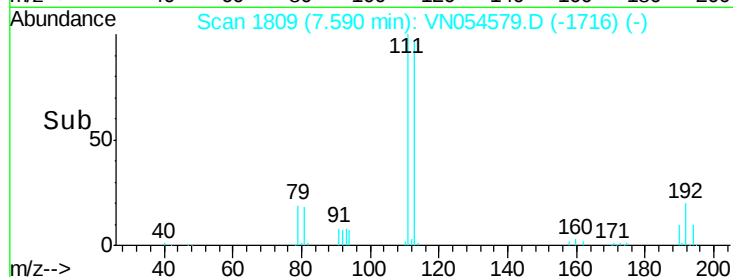
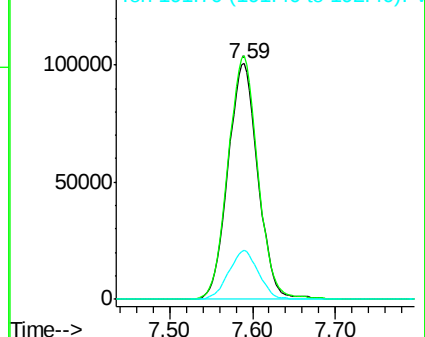
192 20.6 19.2 28.8



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: 5.024 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

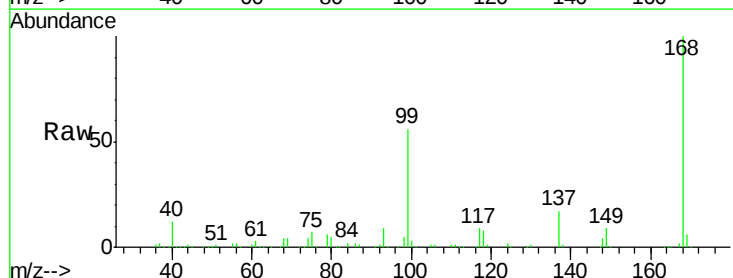
Tgt Ion: 75 Resp: 39936

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.5#

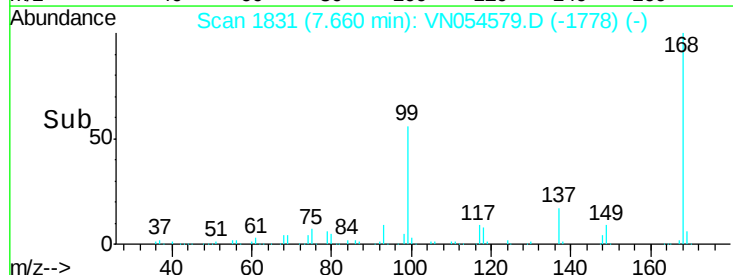
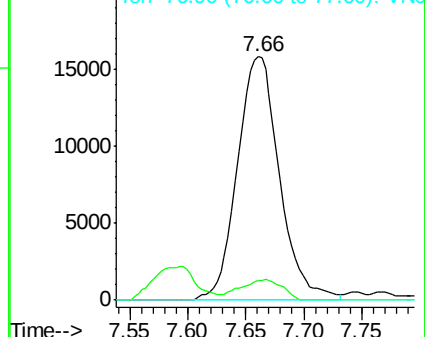
77 0.0 25.0 37.4#

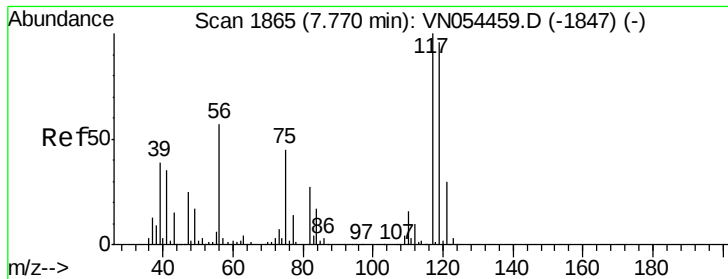


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.480 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

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ClientSampleId :

WP022SB439-190318-(23-25)ME

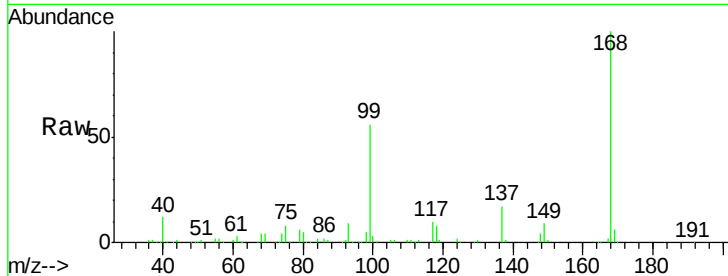
Tot Ion:117 Resp: 50055

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

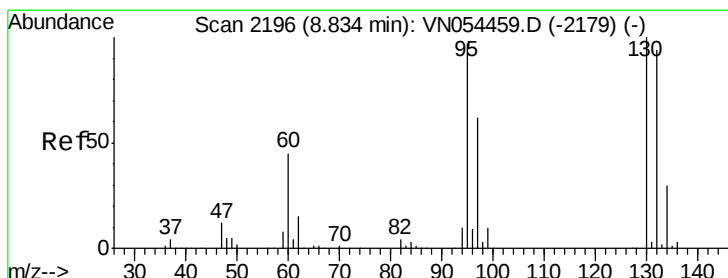
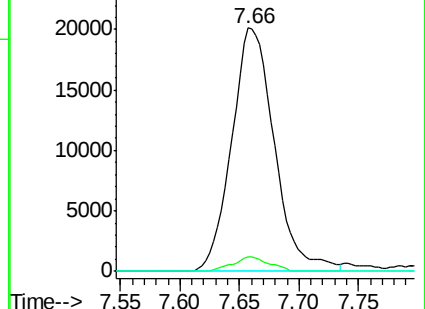
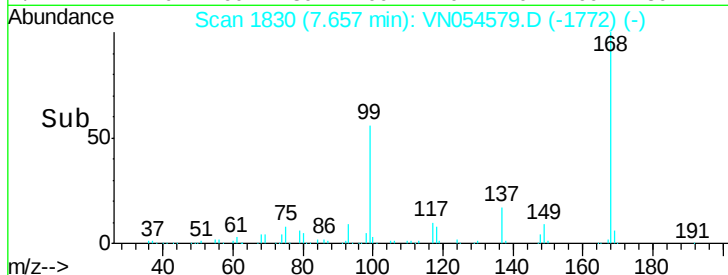
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.566 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054579.D

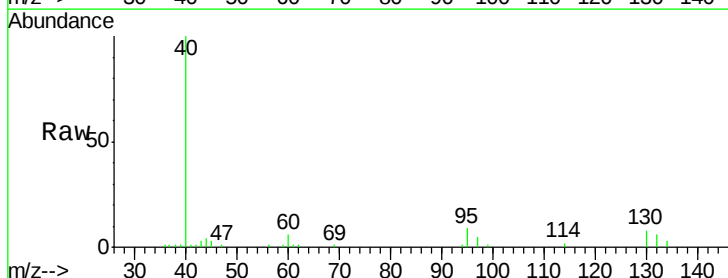
Acq: 23 Mar 2019 1:53

Tgt Ion:130 Resp: 3578

Ion Ratio Lower Upper

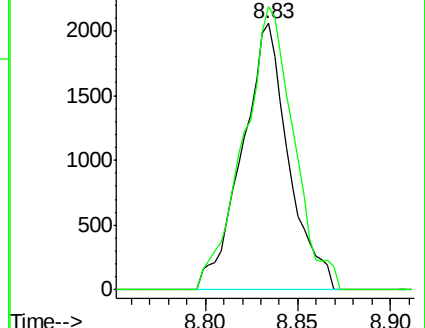
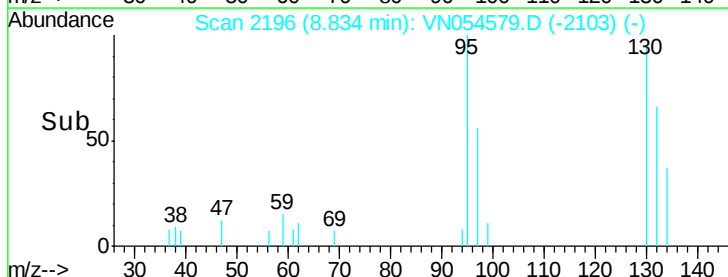
130 100

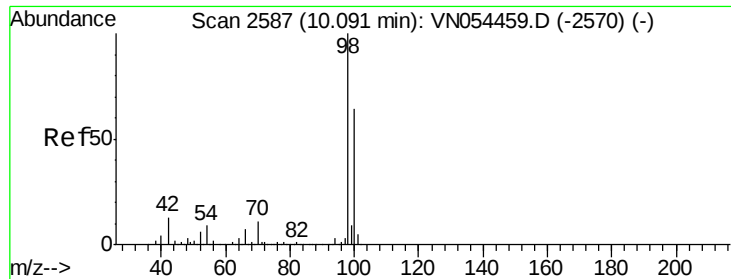
95 106.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.485 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

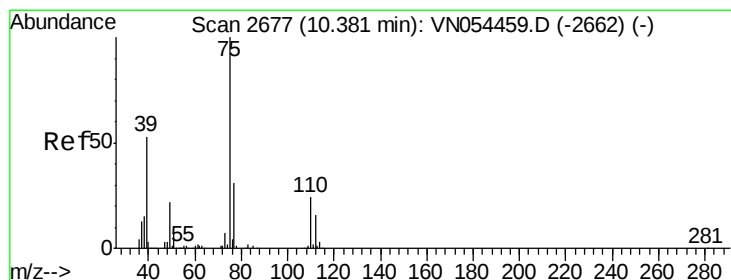
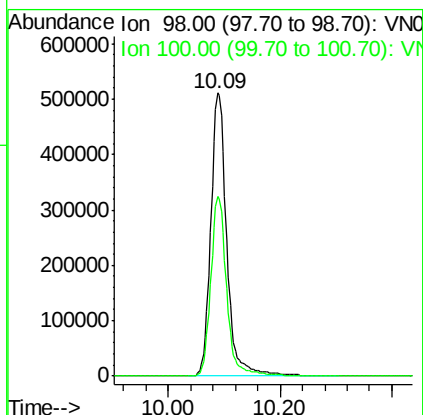
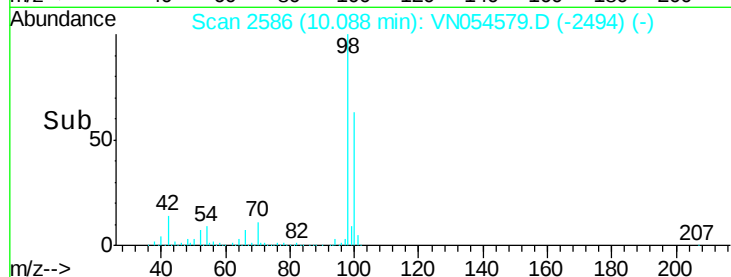
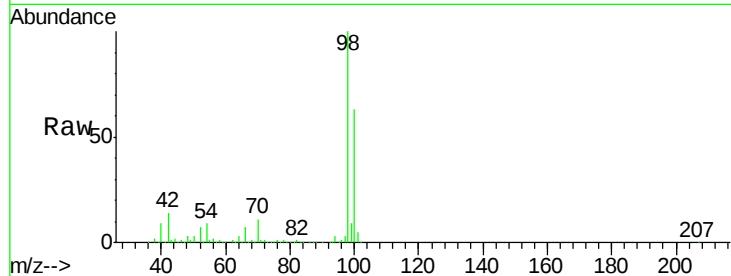
WP022SB439-190318-(23-25)ME

Tot Ion: 98 Resp: 1018939

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.281 ug/l

RT: 10.25 min Scan# 2635

Delta R.T. -0.13 min

Lab File: VN054579.D

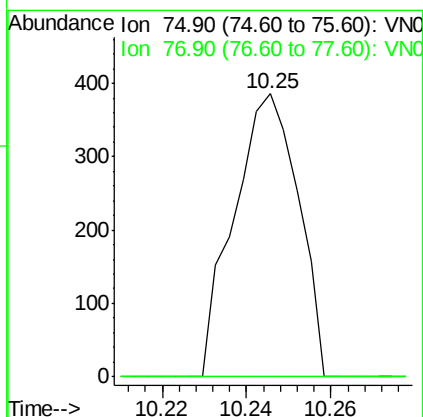
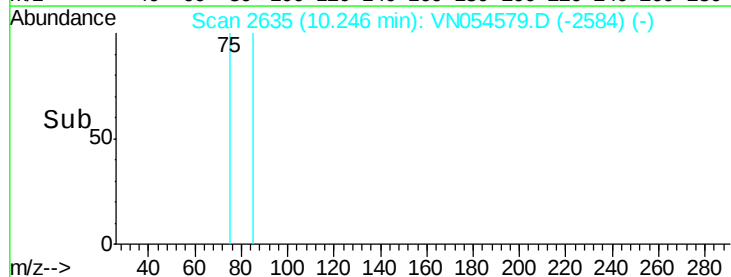
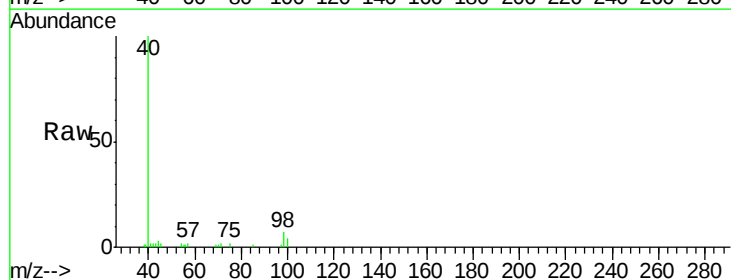
Acq: 23 Mar 2019 1:53

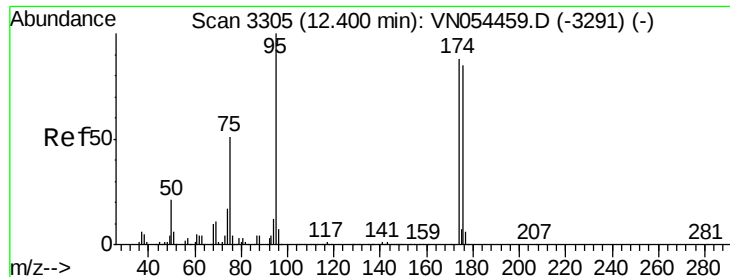
Tgt Ion: 75 Resp: 406

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 46.641 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(23-25)ME

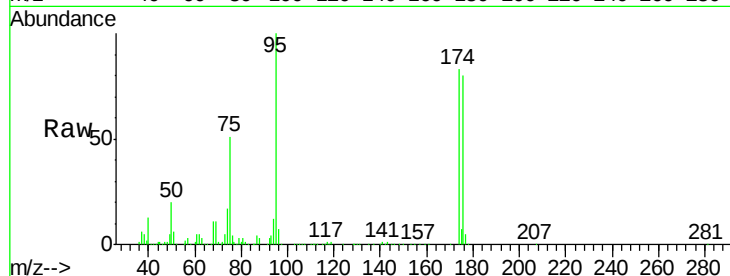
Tot Ion: 95 Resp: 326804

Ion Ratio Lower Upper

95 100

174 84.0 0.0 191.0

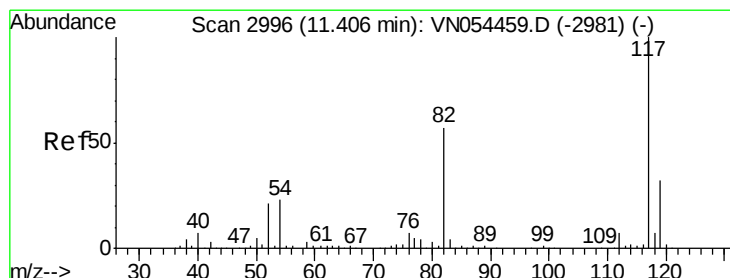
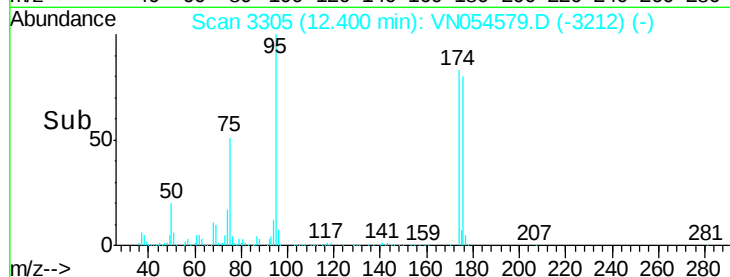
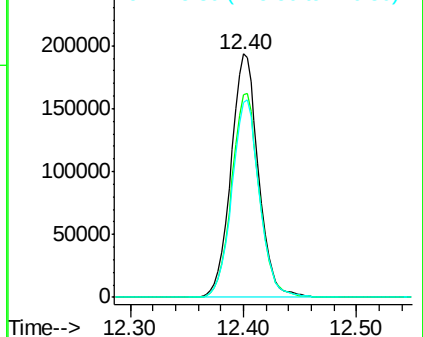
176 81.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

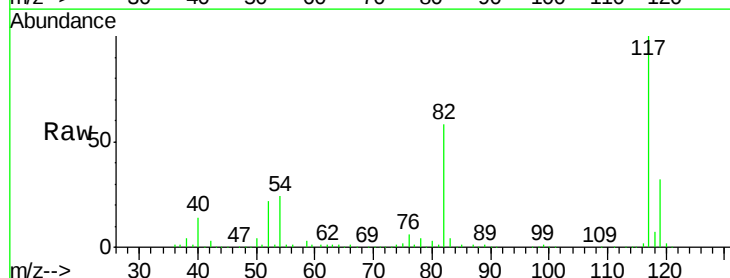
Tgt Ion: 117 Resp: 715879

Ion Ratio Lower Upper

117 100

82 57.6 40.0 60.0

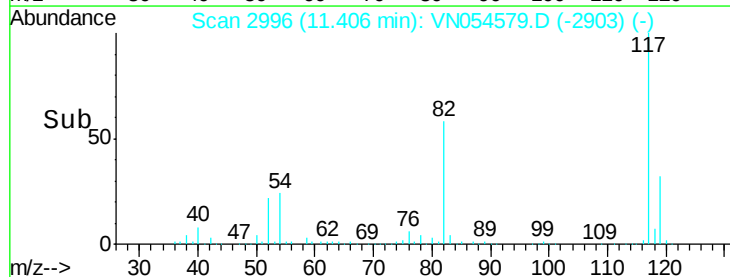
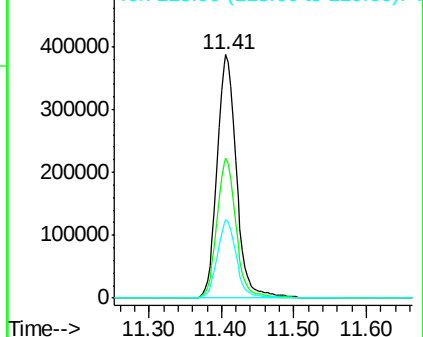
119 32.3 25.8 38.6

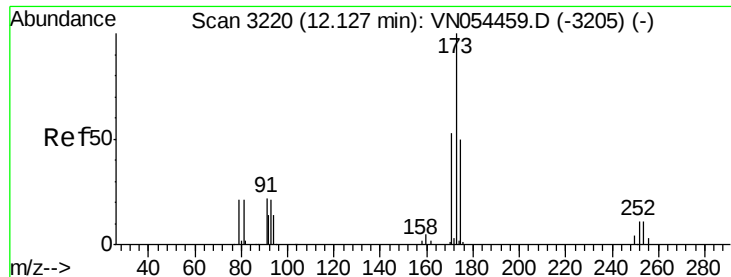


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

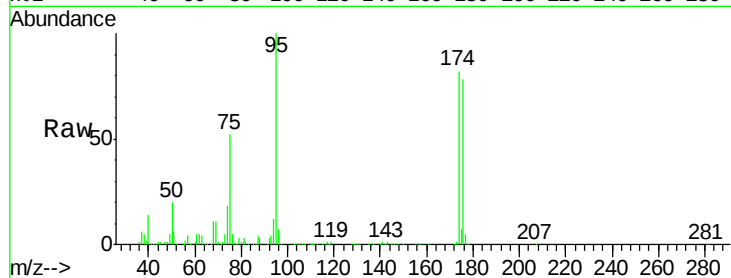




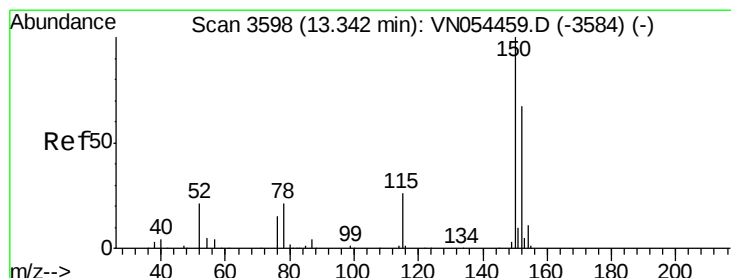
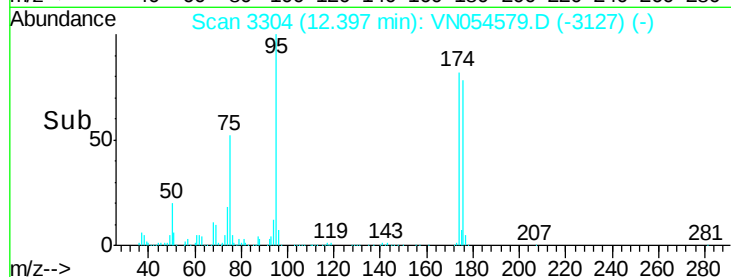
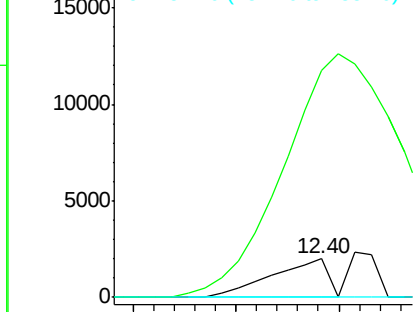
#71
Bromoform
Concen: 2.617 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054579.D
Acq: 23 Mar 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(23-25)ME

Tot Ion:173 Resp: 1496
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#

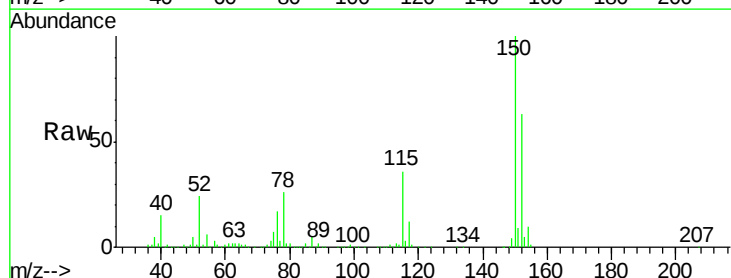


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

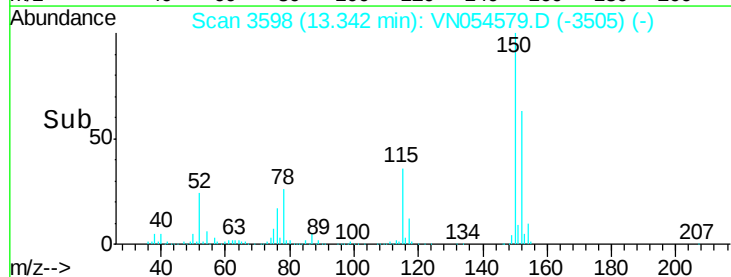
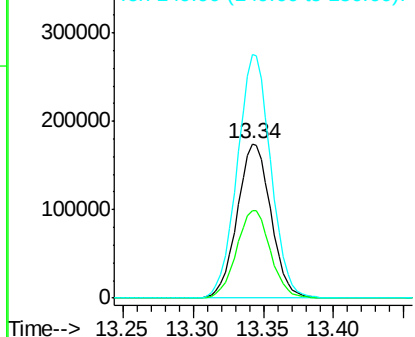


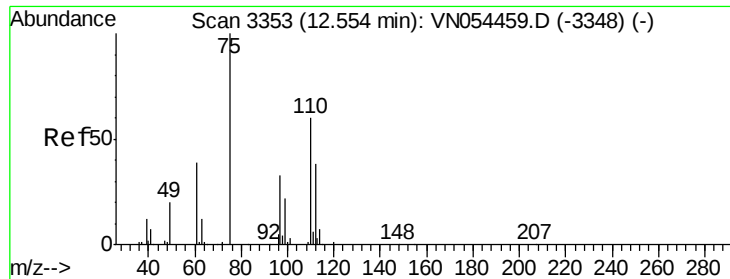
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054579.D
Acq: 23 Mar 2019 1:53

Tgt Ion:152 Resp: 291747
Ion Ratio Lower Upper
152 100
115 57.1 27.2 81.6
150 157.4 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: 36.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

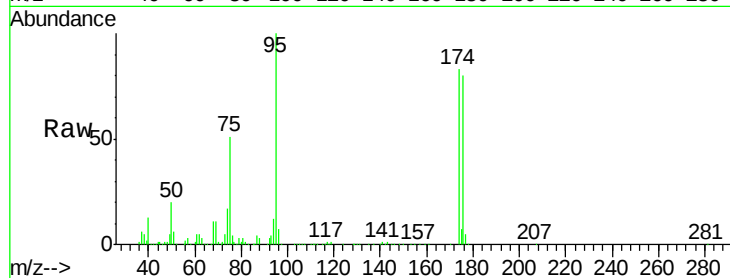
WP022SB439-190318-(23-25)ME

Tot Ion: 75 Resp: 168674

Ion Ratio Lower Upper

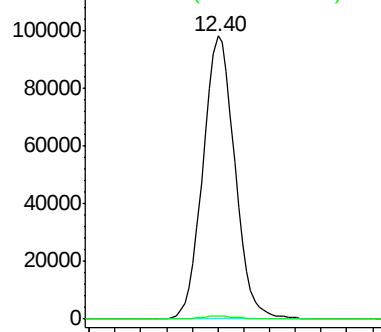
75 100

77 1.1 0.0 0.0#

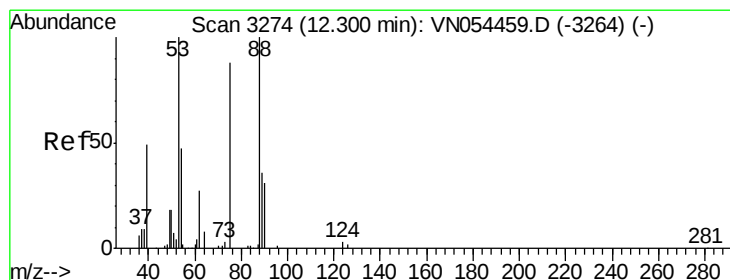
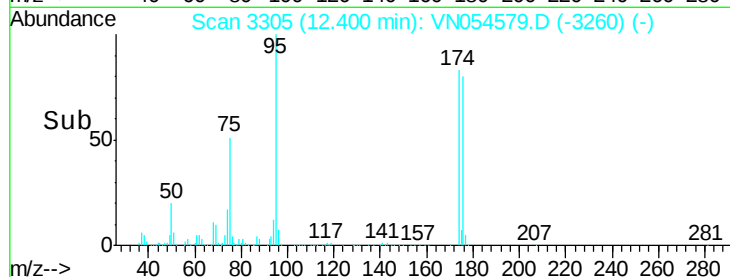


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 120.805 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054579.D

Acq: 23 Mar 2019 1:53

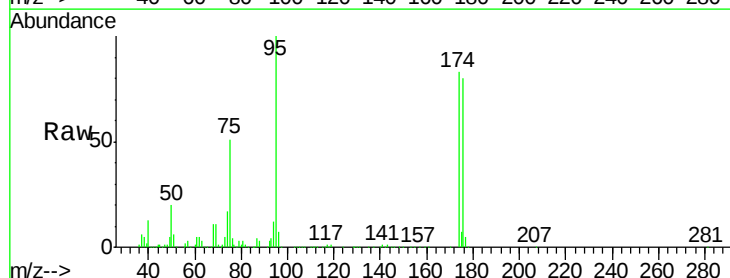
Tgt Ion: 75 Resp: 168674

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

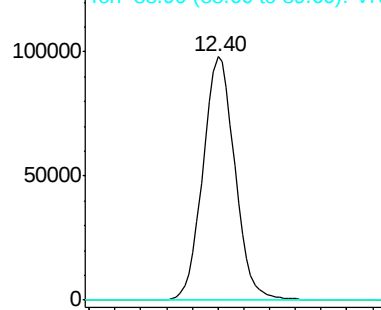
89 0.0 39.2 58.8#



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



Time--> 12.30 12.40 12.50

