

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054604.D
 Acq On : 23 Mar 2019 15:04
 Operator : JC/SP
 Sample : K1912-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T3-OZ(PRE)

Quant Time: Mar 25 03:31:01 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	7.67	168	618249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	947078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	778612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	270802	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	419340	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	7.59	113	328032	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
50) Toluene-d8	10.09	98	1229460	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.40	95	370983	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

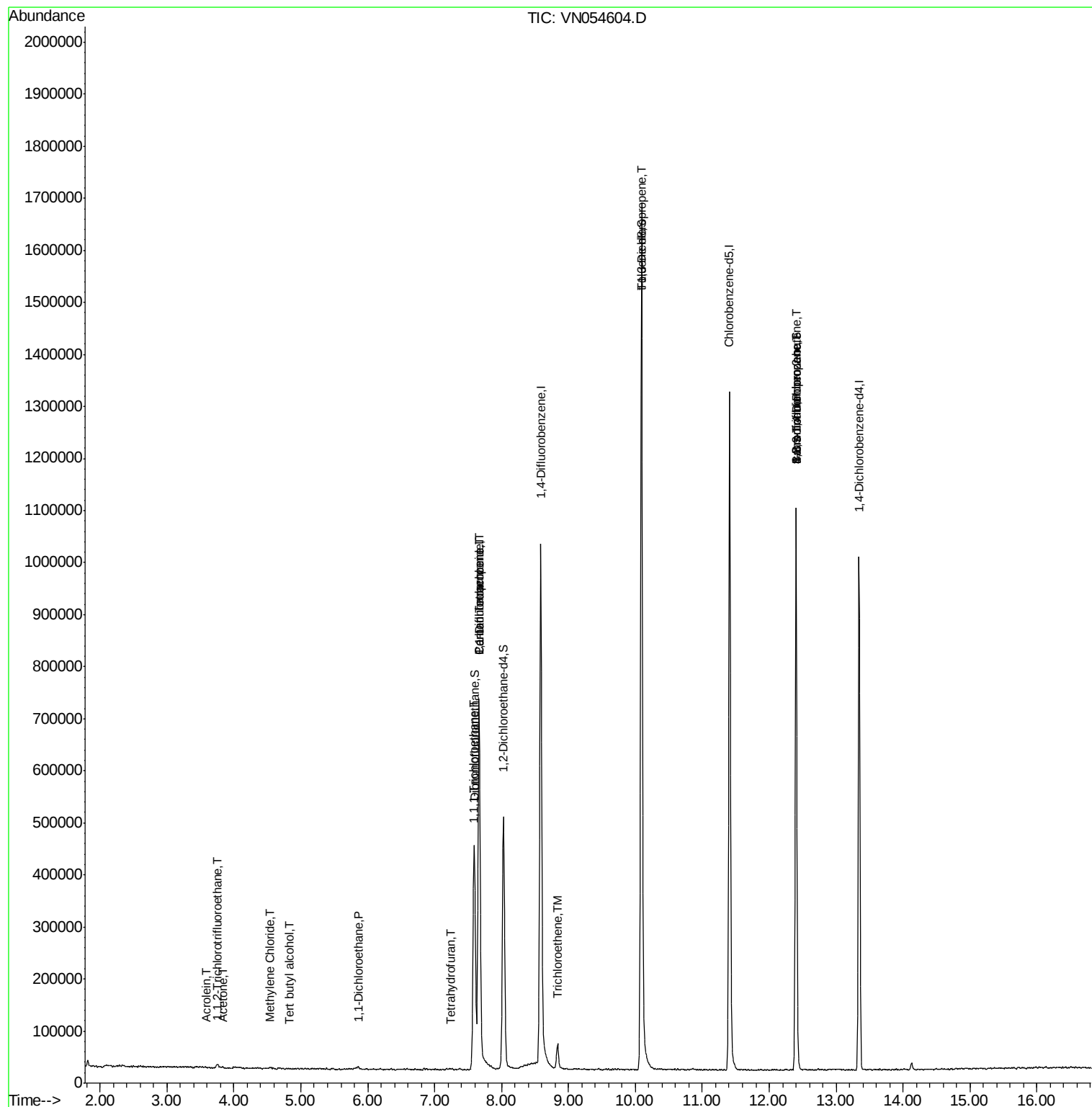
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.75	101	4248	0.737	ug/l #	82
11) Tert butyl alcohol	4.84	59	113	0.243	ug/l #	70
13) Acrolein	3.60	56	276	0.430	ug/l #	27
16) Acetone	3.83	43	4057	1.755	ug/l #	73
20) Methylene Chloride	4.54	84	1376	0.202	ug/l #	60
24) 1,1-Dichloroethane	5.85	63	7191	0.603	ug/l #	81
29) Tetrahydrofuran	7.24	42	2248	1.170	ug/l #	40
31) Cyclohexane	7.67	56	12744	Below Cal	#	26
32) 1,1,1-Trichloroethane	7.57	97	3239	0.337	ug/l #	39
36) 1,1-Dichloropropene	7.66	75	45266	5.112	ug/l #	48
38) Carbon Tetrachloride	7.66	117	56128	6.522	ug/l #	15
44) Trichloroethene	8.84	130	18393	2.613	ug/l	85
53) t-1,3-Dichloropropene	10.10	75	97	2.242	ug/l #	46
71) Bromoform	12.40	173	1554	2.599	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	195937	45.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	195937	150.387	ug/l #	11

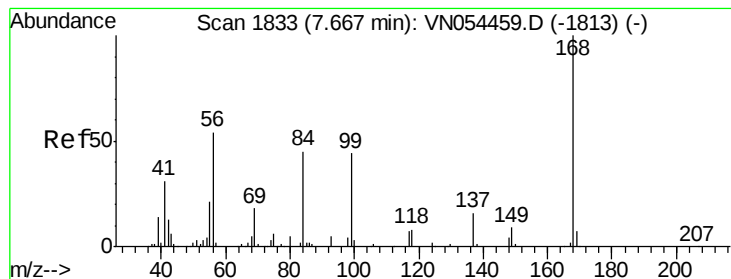
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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M3-T3-OZ(PRE)

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 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: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

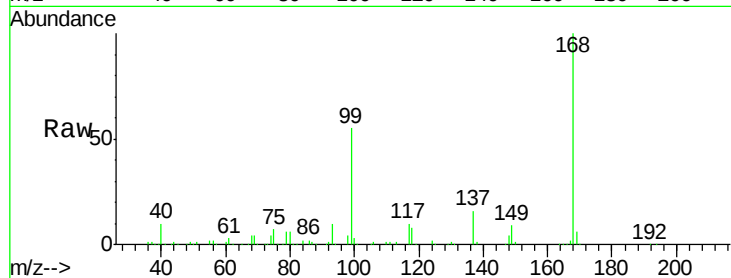
M3-T3-OZ(PRE)

Tot Ion:168 Resp: 618249

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

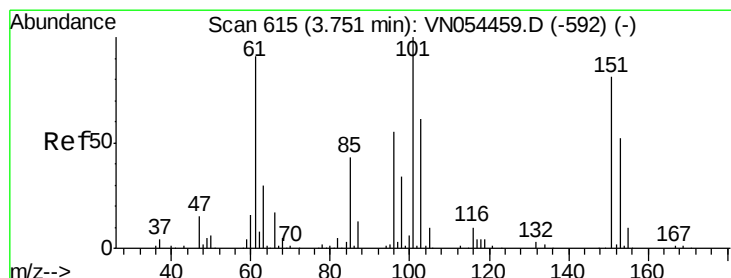
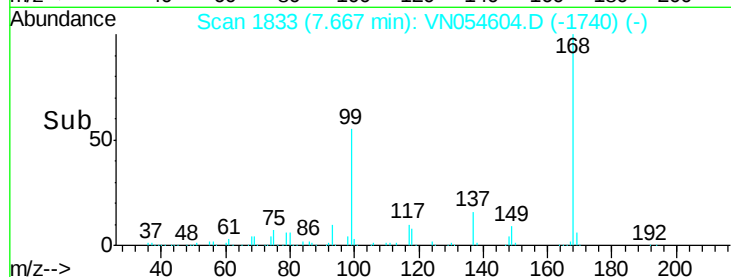
100000

50000

0

Time-->

7.60 7.70 7.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.737 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

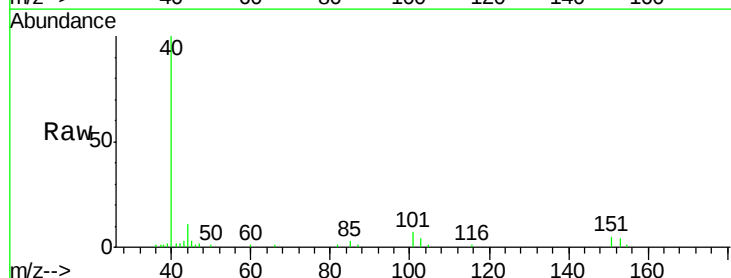
Tgt Ion:101 Resp: 4248

Ion Ratio Lower Upper

101 100

85 26.1 32.4 48.6#

151 71.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

2000

1500

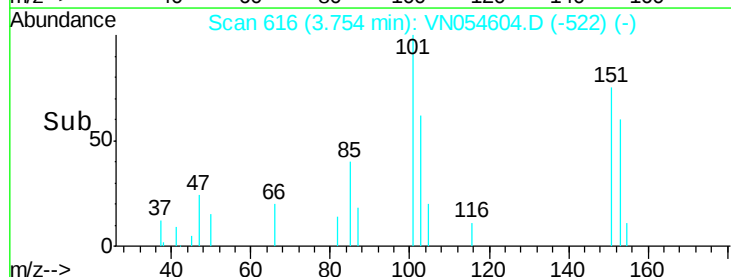
1000

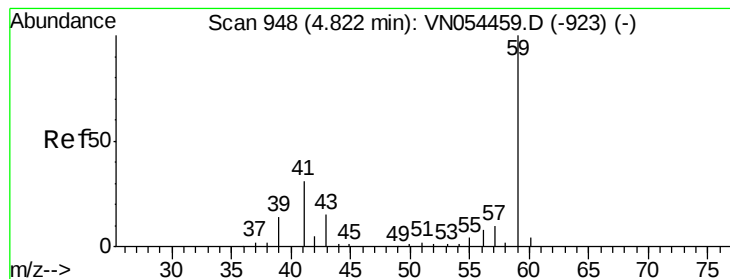
500

0

Time-->

3.70 3.75 3.80



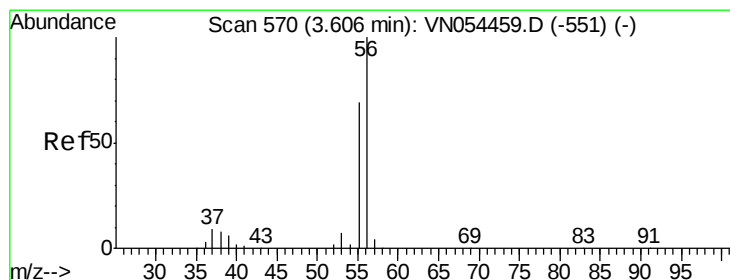
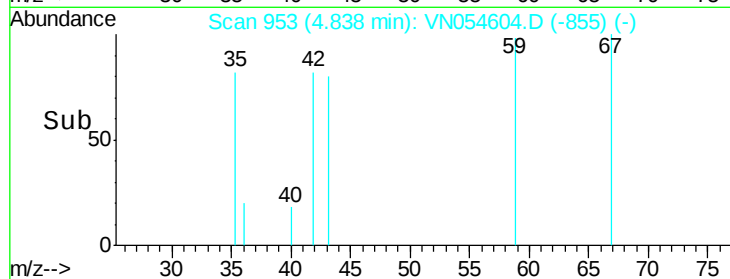
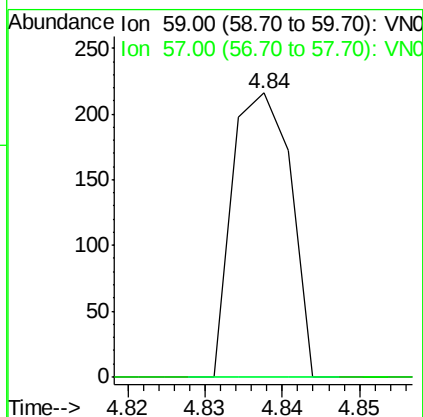
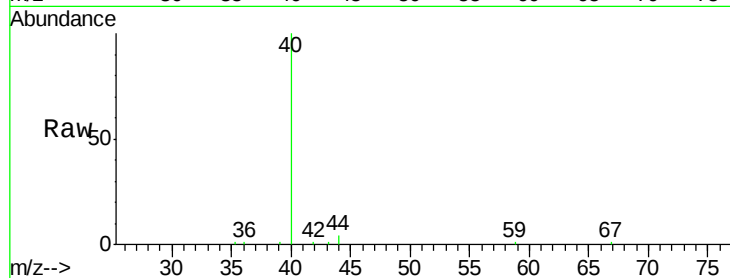


#11

Tert butyl alcohol
 Concen: 0.243 ug/l
 RT: 4.84 min Scan# 953
 Delta R.T. 0.02 min
 Lab File: VN054604.D
 Acq: 23 Mar 2019 15:04

Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T3-OZ(PRE)

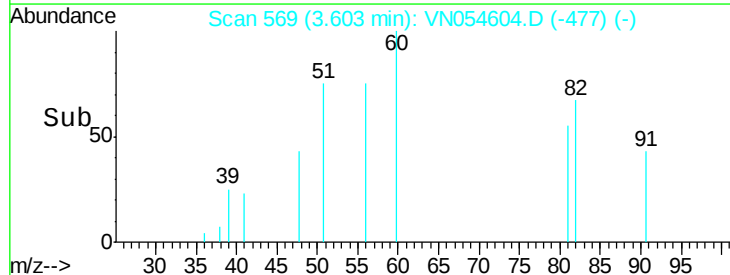
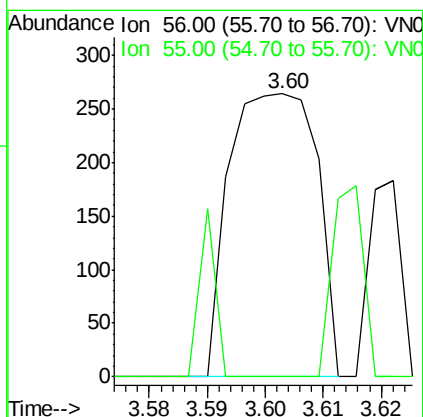
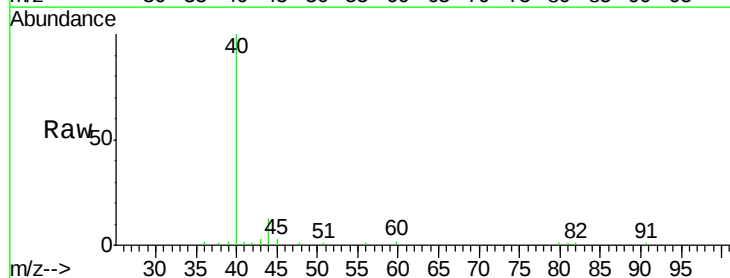
Tot Ion: 59 Resp: 113
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

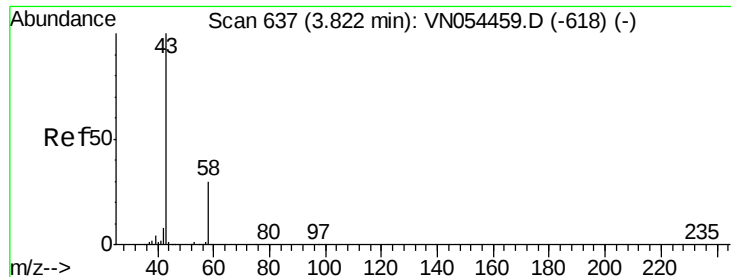


#13

Acrolein
 Concen: 0.430 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN054604.D
 Acq: 23 Mar 2019 15:04

Tgt Ion: 56 Resp: 276
 Ion Ratio Lower Upper
 56 100
 55 10.9 56.7 85.1#





#16

Acetone

Concen: 1.755 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

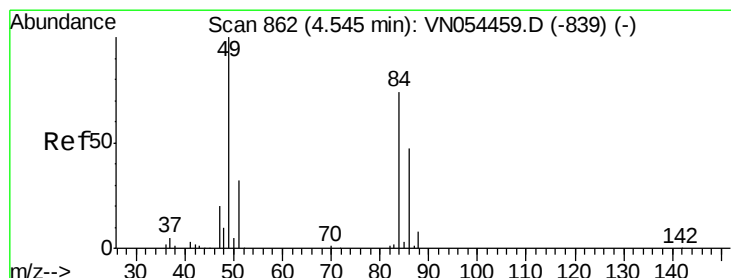
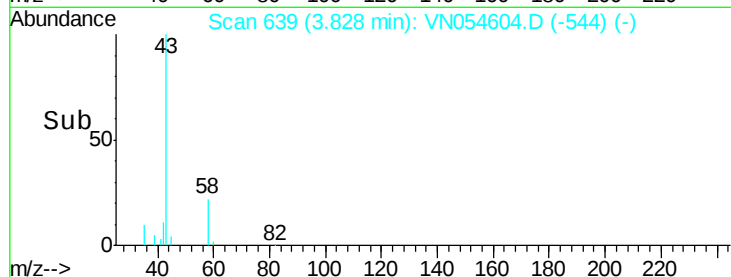
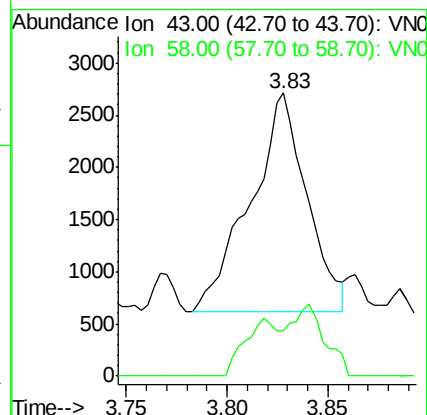
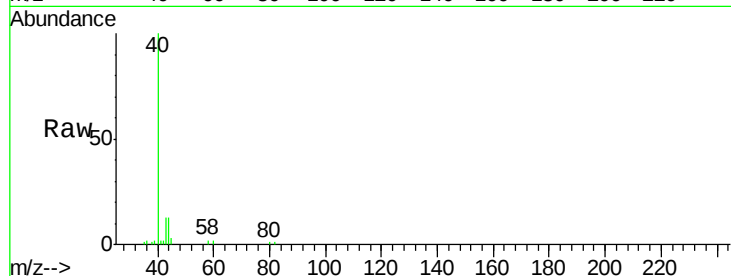
M3-T3-OZ(PRE)

Tot Ion: 43 Resp: 4057

Ion Ratio Lower Upper

43 100

58 21.0 29.9 44.9#



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Tgt Ion: 84 Resp: 1376

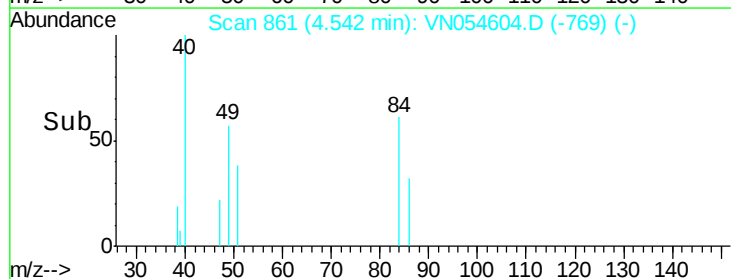
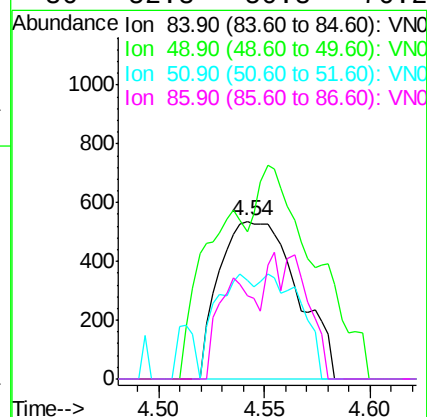
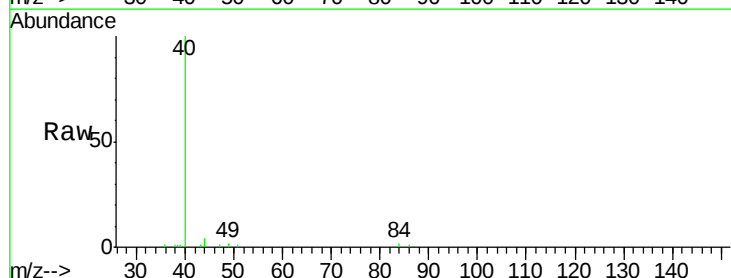
Ion Ratio Lower Upper

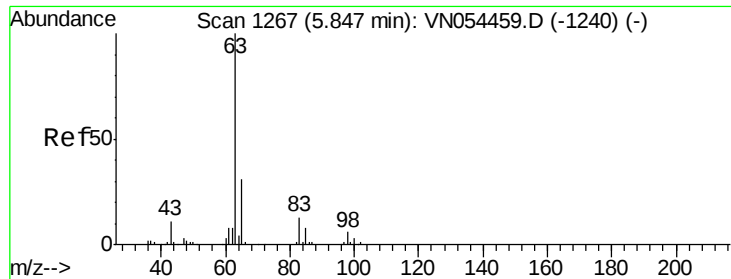
84 100

49 56.2 89.7 134.5#

51 62.7 28.2 42.4#

86 52.8 50.8 76.2





#24

1,1-Dichloroethane

Concen: 0.603 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-OZ(PRE)

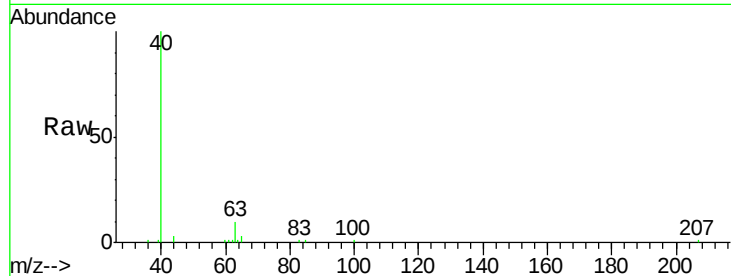
Tot Ion: 63 Resp: 7191

Ion Ratio Lower Upper

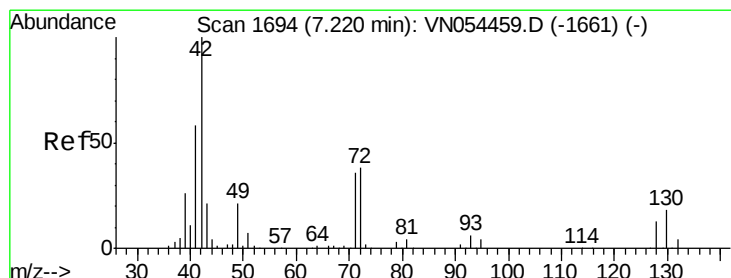
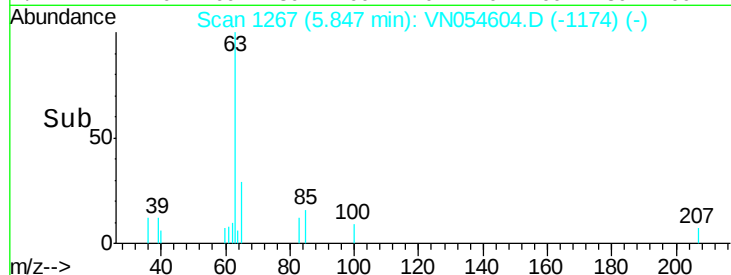
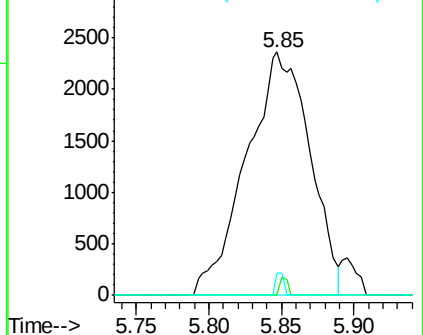
63 100

98 0.0 3.5 10.5#

100 9.1 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VNC
Ion 97.90 (97.60 to 98.60): VNC
Ion 99.90 (99.60 to 100.60): VNC



#29

Tetrahydrofuran

Concen: 1.170 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

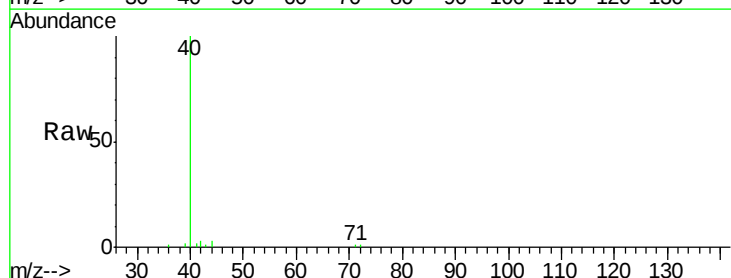
Tgt Ion: 42 Resp: 2248

Ion Ratio Lower Upper

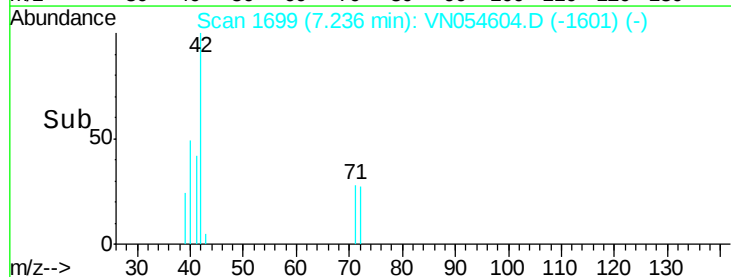
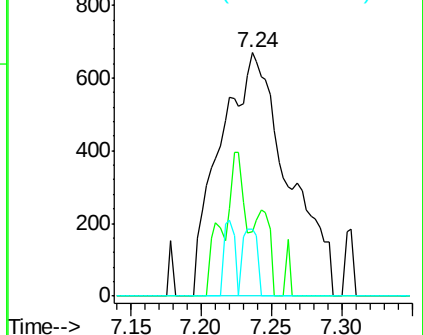
42 100

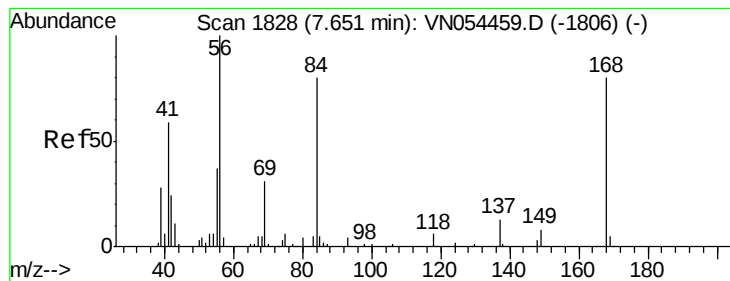
72 7.3 37.8 56.6#

71 6.0 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-OZ(PRE)

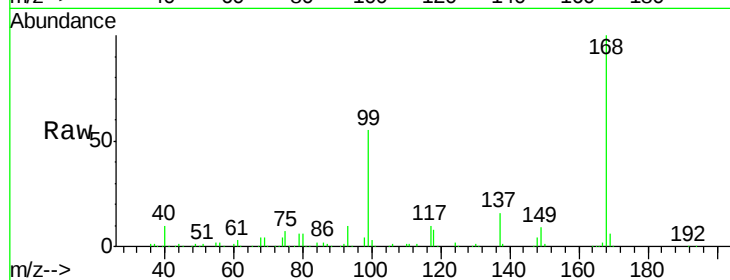
Tot Ion: 56 Resp: 12744

Ion Ratio Lower Upper

56 100

69 172.4 27.8 41.6#

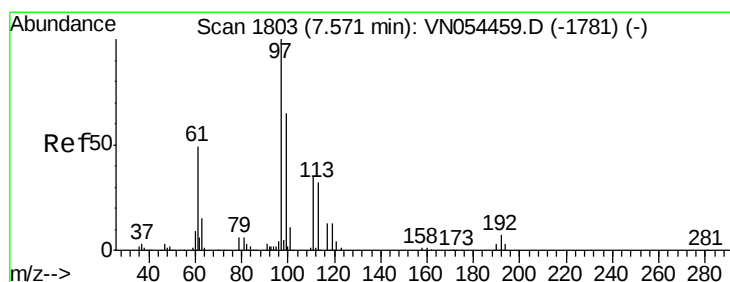
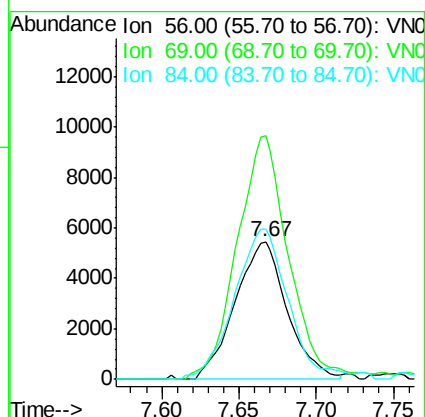
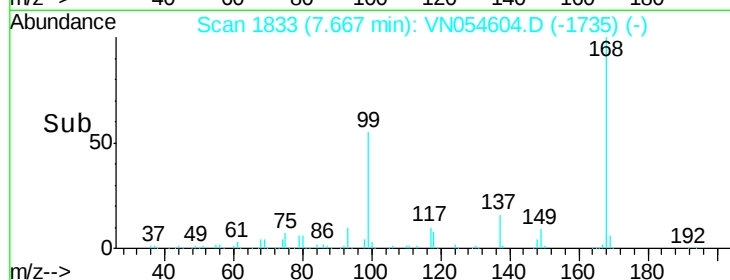
84 105.9 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 0.337 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

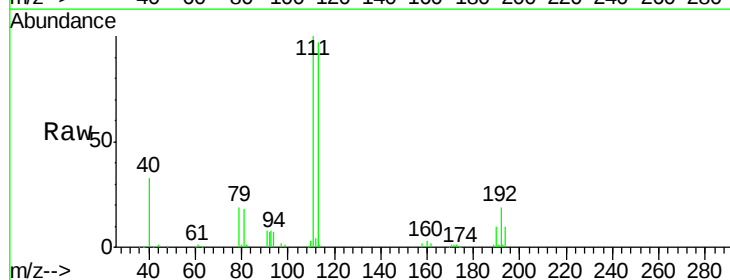
Tgt Ion: 97 Resp: 3239

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

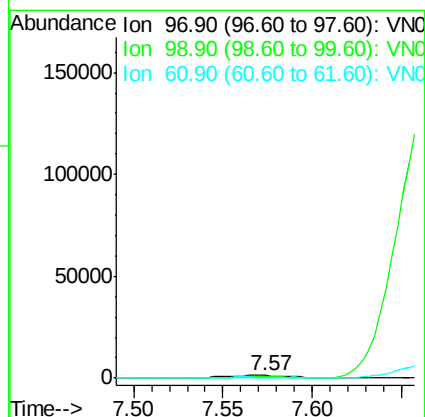
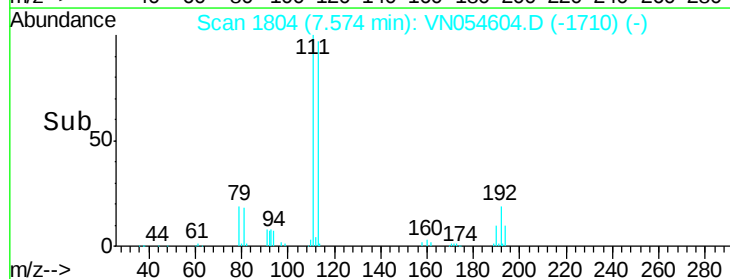
61 24.5 33.6 50.4#

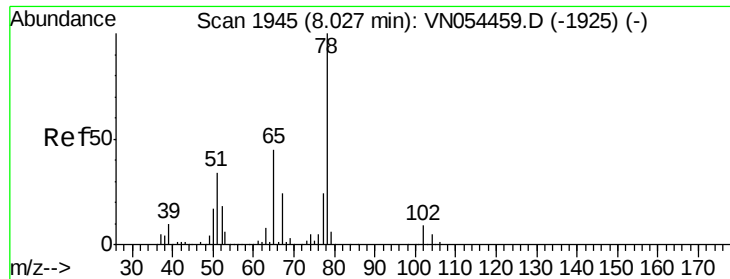


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.530 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

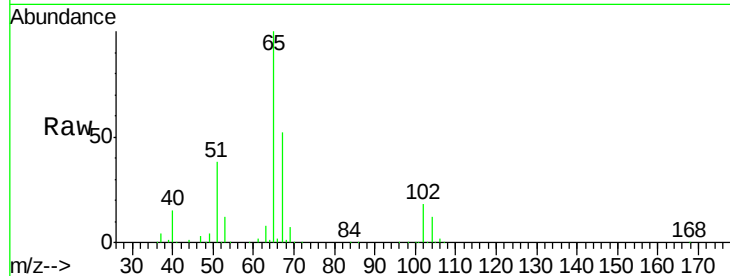
M3-T3-OZ(PRE)

Tot Ion: 65 Resp: 419340

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

200000

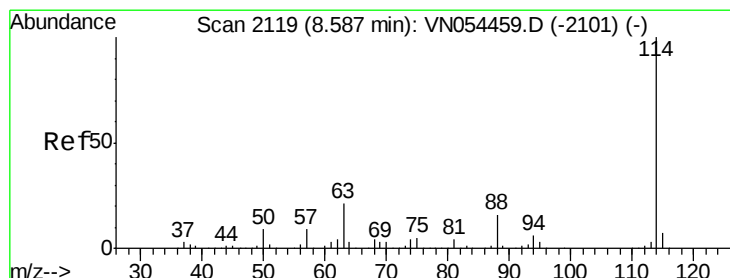
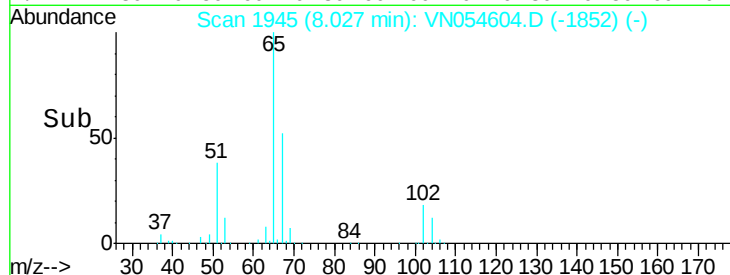
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

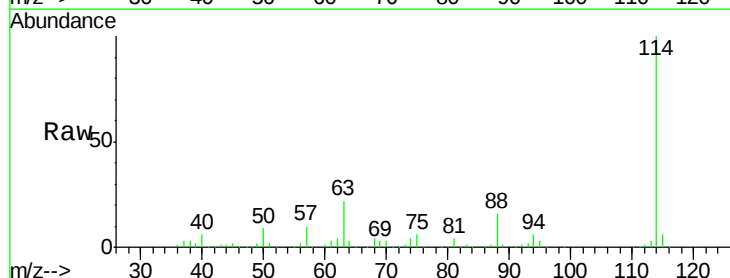
Tgt Ion: 114 Resp: 947078

Ion Ratio Lower Upper

114 100

63 21.8 0.0 35.2

88 16.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

500000

400000

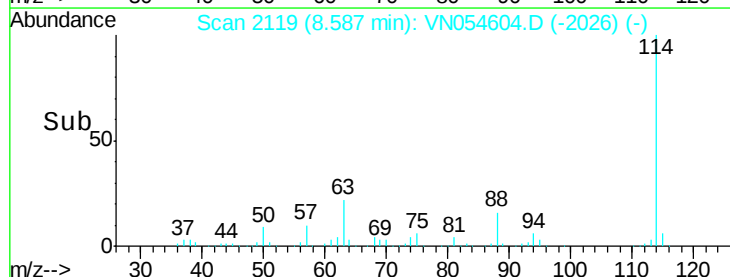
300000

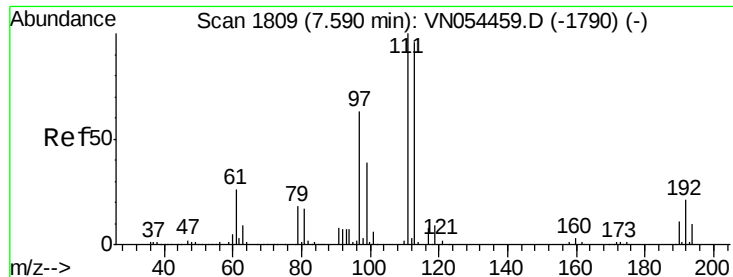
200000

100000

0

Time-->

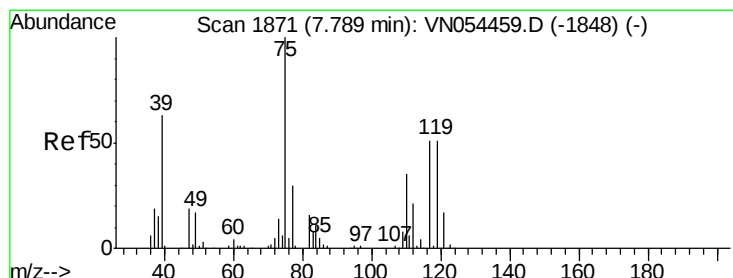
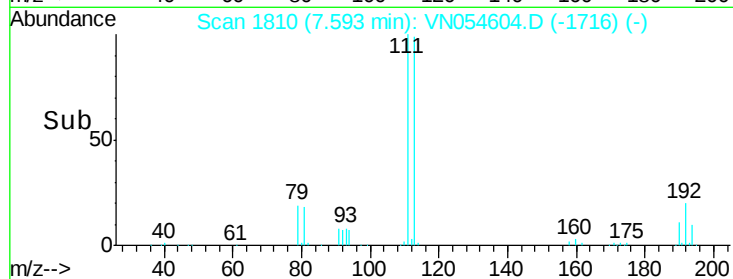
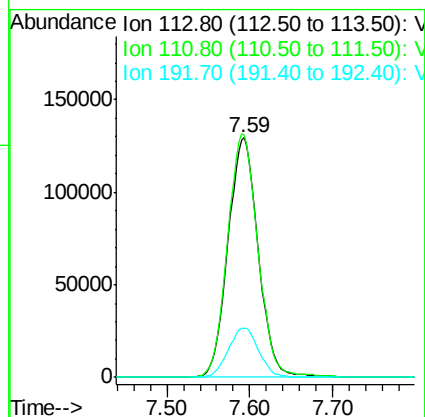
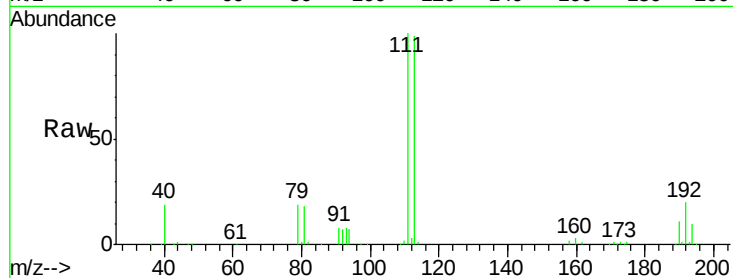




#35
 Dibromofluoromethane
 Concen: 53.762 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054604.D
 Acq: 23 Mar 2019 15:04

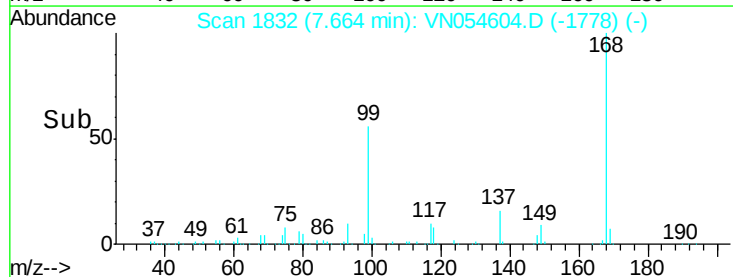
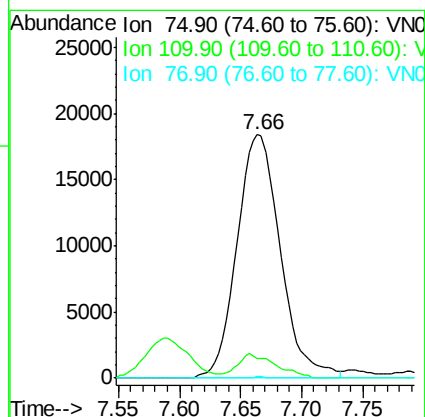
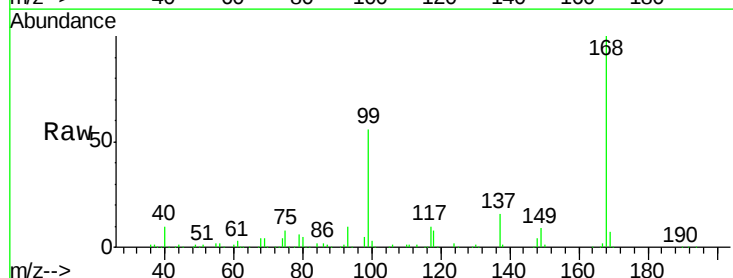
Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T3-OZ(PRE)

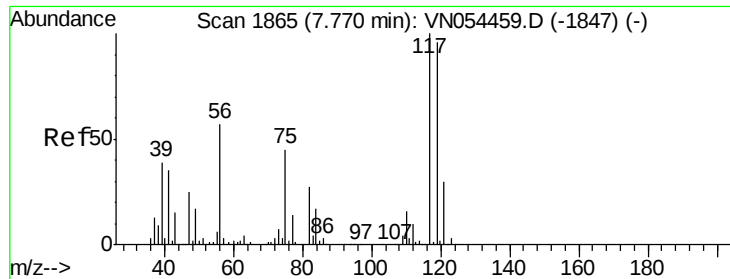
Tot Ion:113 Resp: 328032
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 20.8 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.112 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054604.D
 Acq: 23 Mar 2019 15:04

Tgt Ion: 75 Resp: 45266
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.5#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-OZ(PRE)

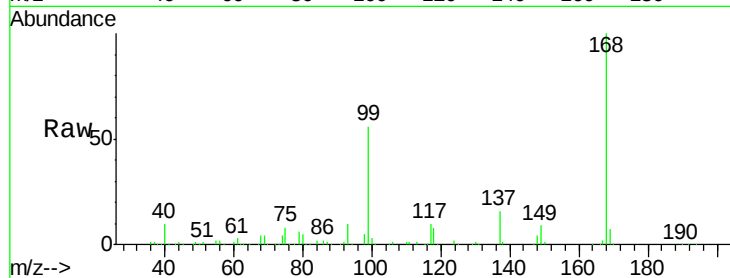
Tot Ion:117 Resp: 56128

Ion Ratio Lower Upper

117 100

119 3.7 76.3 114.5#

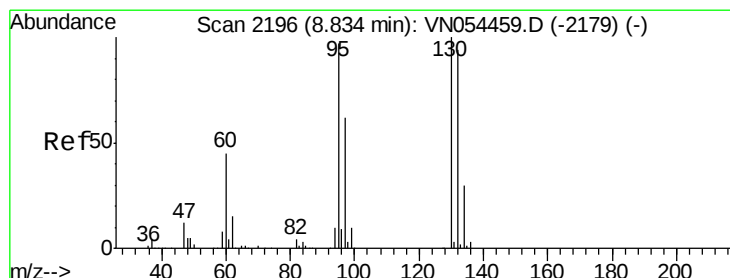
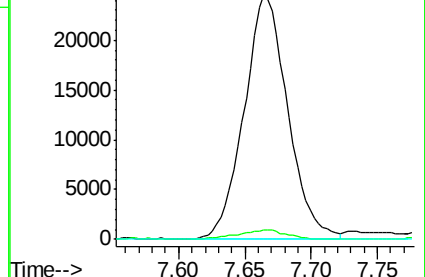
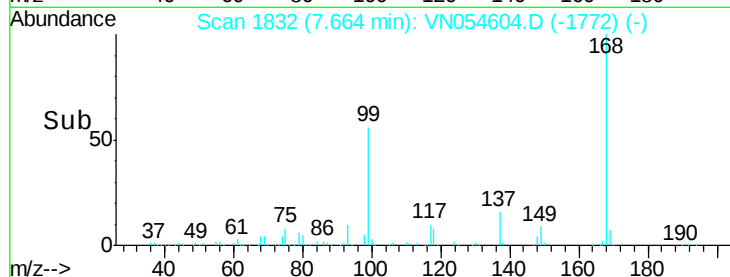
121 0.0 24.6 36.8#



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: 2.613 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054604.D

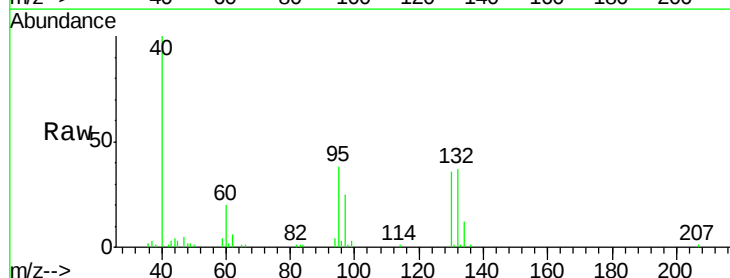
Acq: 23 Mar 2019 15:04

Tgt Ion:130 Resp: 18393

Ion Ratio Lower Upper

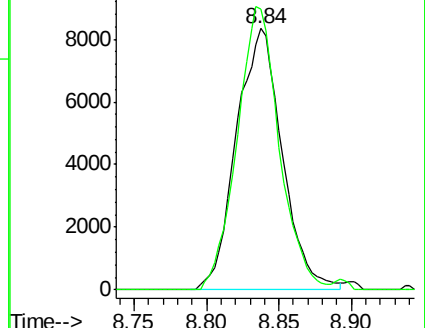
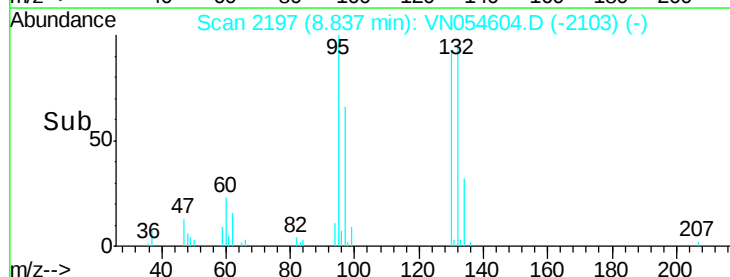
130 100

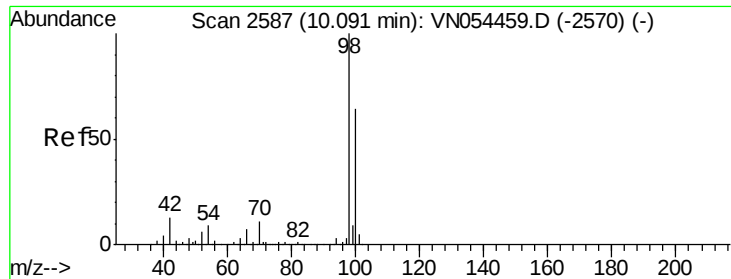
95 107.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

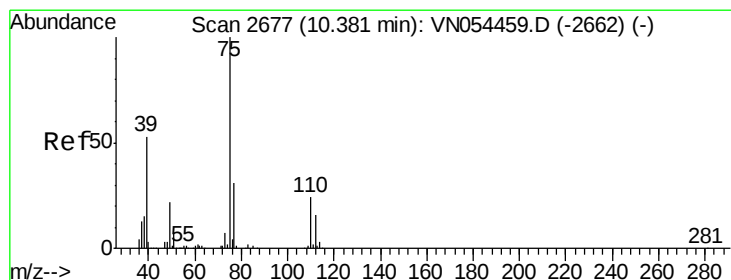
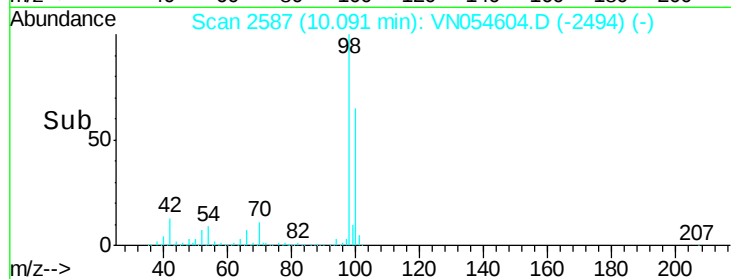
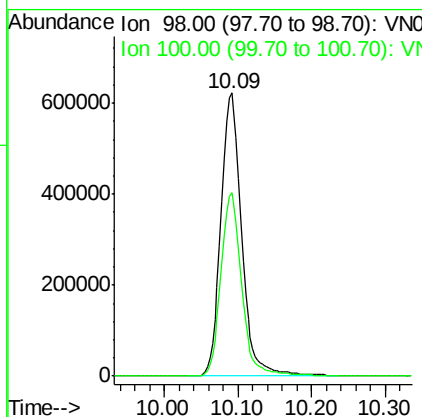
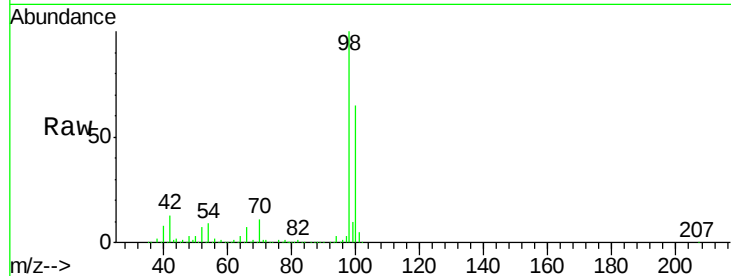




#50
Toluene-d8
Concen: 53.599 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054604.D
Acq: 23 Mar 2019 15:04

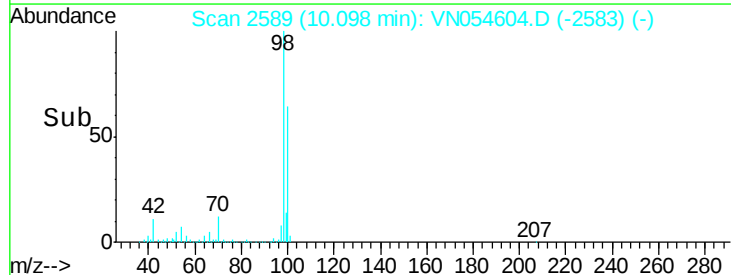
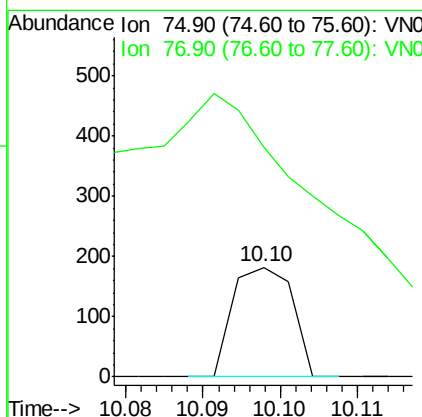
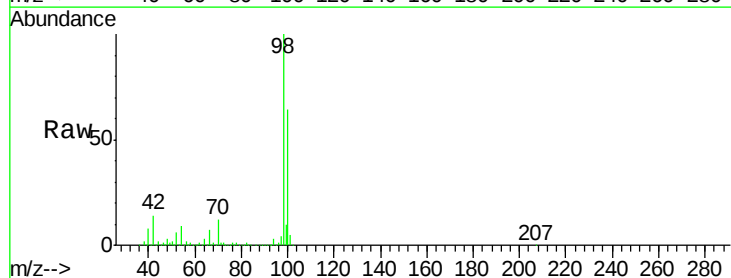
Instrument :
MSVOA_N
ClientSampleId :
M3-T3-OZ(PRE)

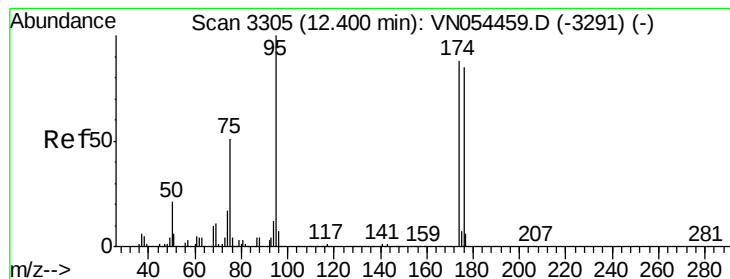
Tot Ion: 98 Resp: 1229460
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#53
t-1,3-Dichloropropene
Concen: 2.242 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.28 min
Lab File: VN054604.D
Acq: 23 Mar 2019 15:04

Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
77 62.6 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 47.529 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-OZ(PRE)

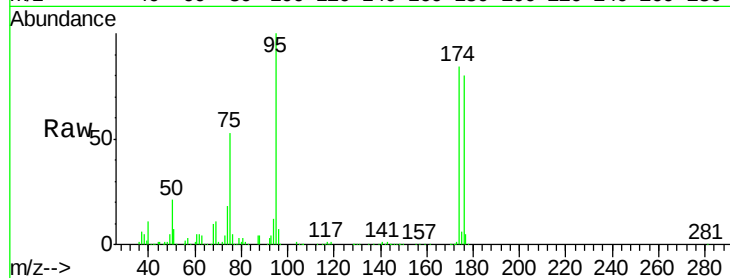
Tot Ion: 95 Resp: 370983

Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 82.1 0.0 187.4

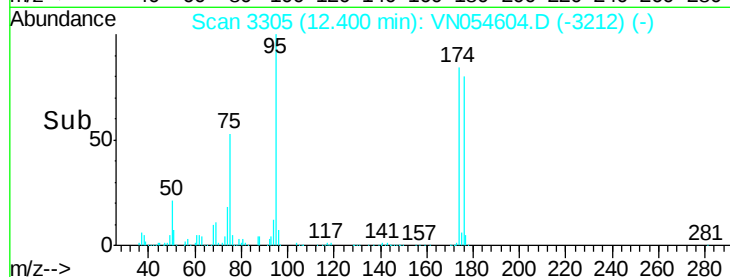


Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

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

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

Time--> 12.30 12.40 12.50

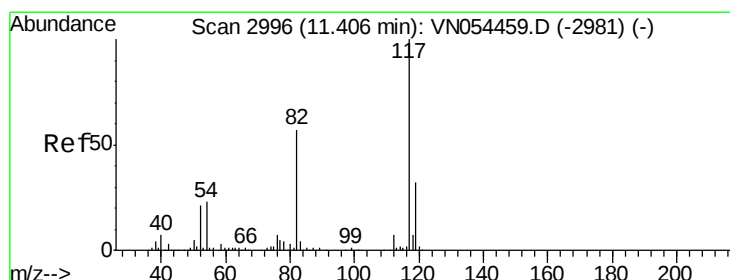


Abundance Ion 94.90 (94.60 to 95.60): VN054604.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054604.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054604.D (-3212) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

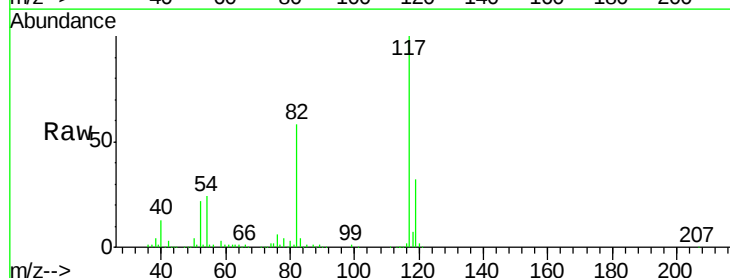
Tgt Ion: 117 Resp: 778612

Ion Ratio Lower Upper

117 100

82 57.7 40.0 60.0

119 32.0 25.8 38.6

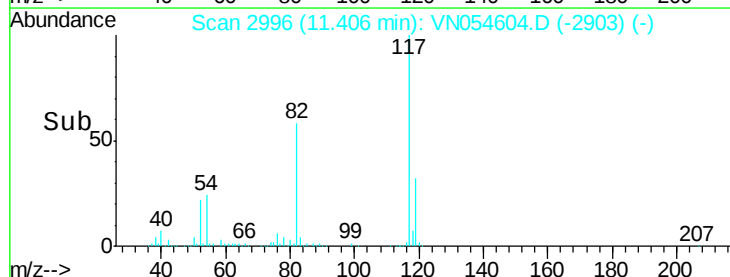


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

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

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

Time--> 11.30 11.40 11.50 11.60

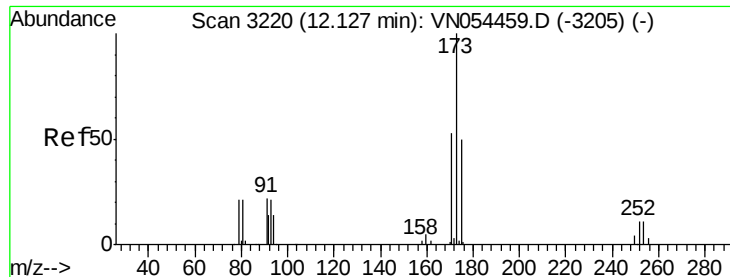


Abundance Ion 116.90 (116.60 to 117.60): VN054604.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054604.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054604.D (-2903) (-)

Time--> 11.30 11.40 11.50 11.60



#71

Bromoform

Concen: 2.599 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-OZ(PRE)

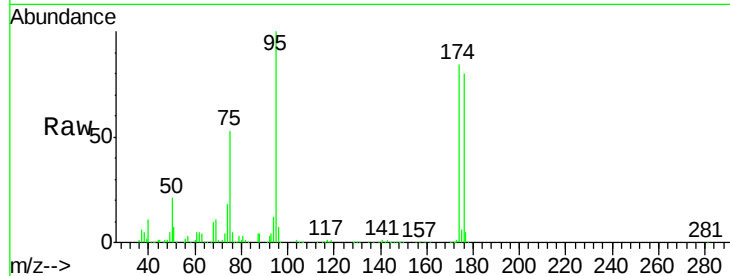
Tot Ion:173 Resp: 1554

Ion Ratio Lower Upper

173 100

175 1328.6 24.4 73.2#

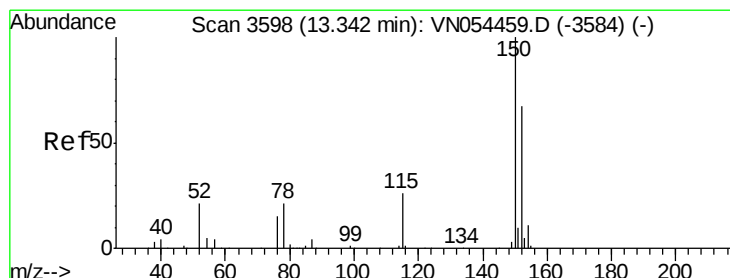
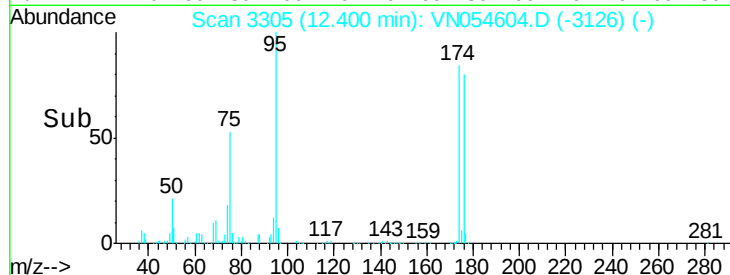
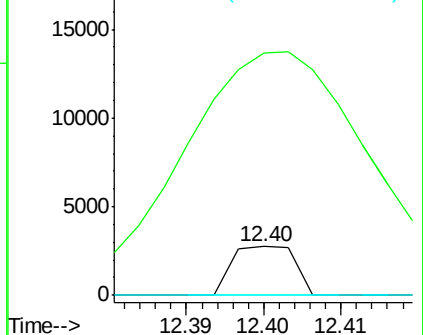
254 0.0 0.1 0.1#



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: VN054604.D

Acq: 23 Mar 2019 15:04

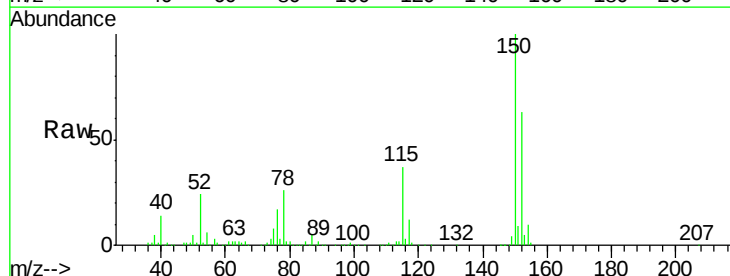
Tgt Ion:152 Resp: 270802

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

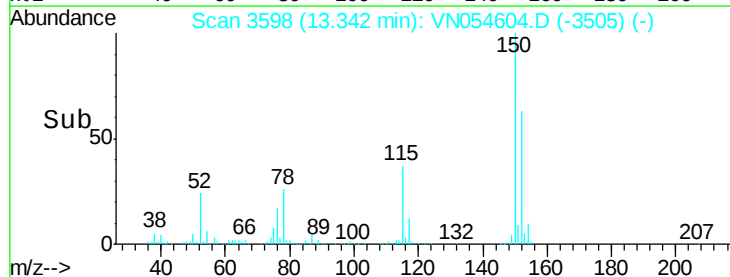
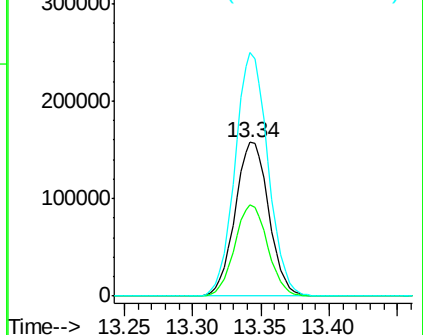
150 154.8 0.0 349.2

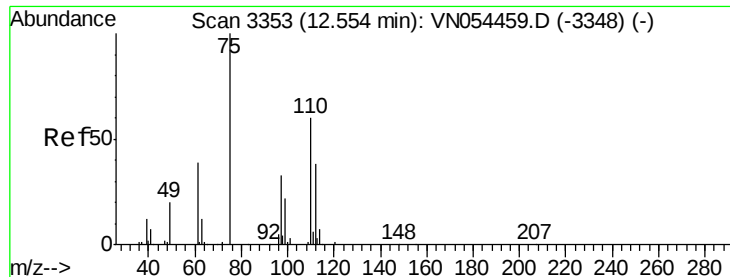


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 45.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

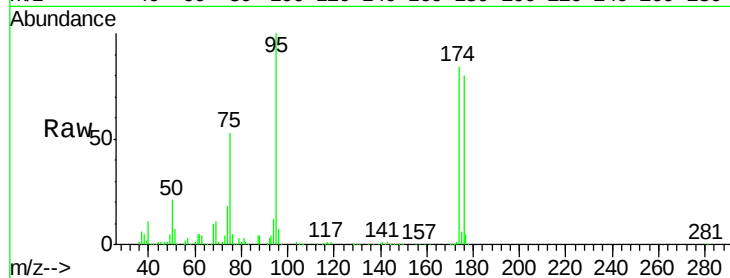
M3-T3-OZ(PRE)

Tot Ion: 75 Resp: 195937

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

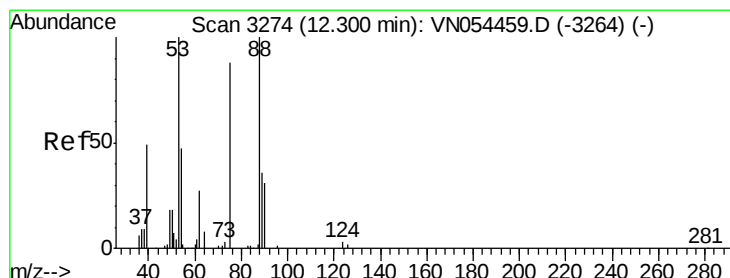
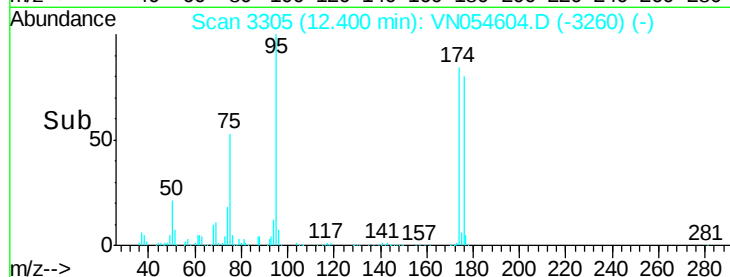
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 150.387 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054604.D

Acq: 23 Mar 2019 15:04

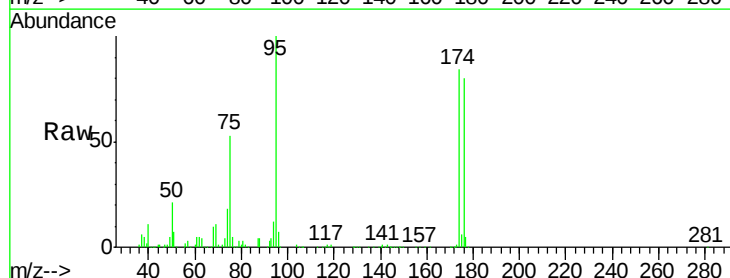
Tgt Ion: 75 Resp: 195937

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

12.40

150000

100000

50000

0

Time--> 12.30 12.40 12.50

