

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054606.D
 Acq On : 23 Mar 2019 15:59
 Operator : JC/SP
 Sample : K1912-08 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T4-OZ(POST-HYPO)

Quant Time: Mar 25 03:31:51 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	598469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	968707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	792155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301875	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	432597	58.11	ug/l	0.00
Spiked Amount			Recovery	=	116.22%	
35) Dibromofluoromethane	7.59	113	337592	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
50) Toluene-d8	10.09	98	1289436	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
62) 4-Bromofluorobenzene	12.40	95	395985	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

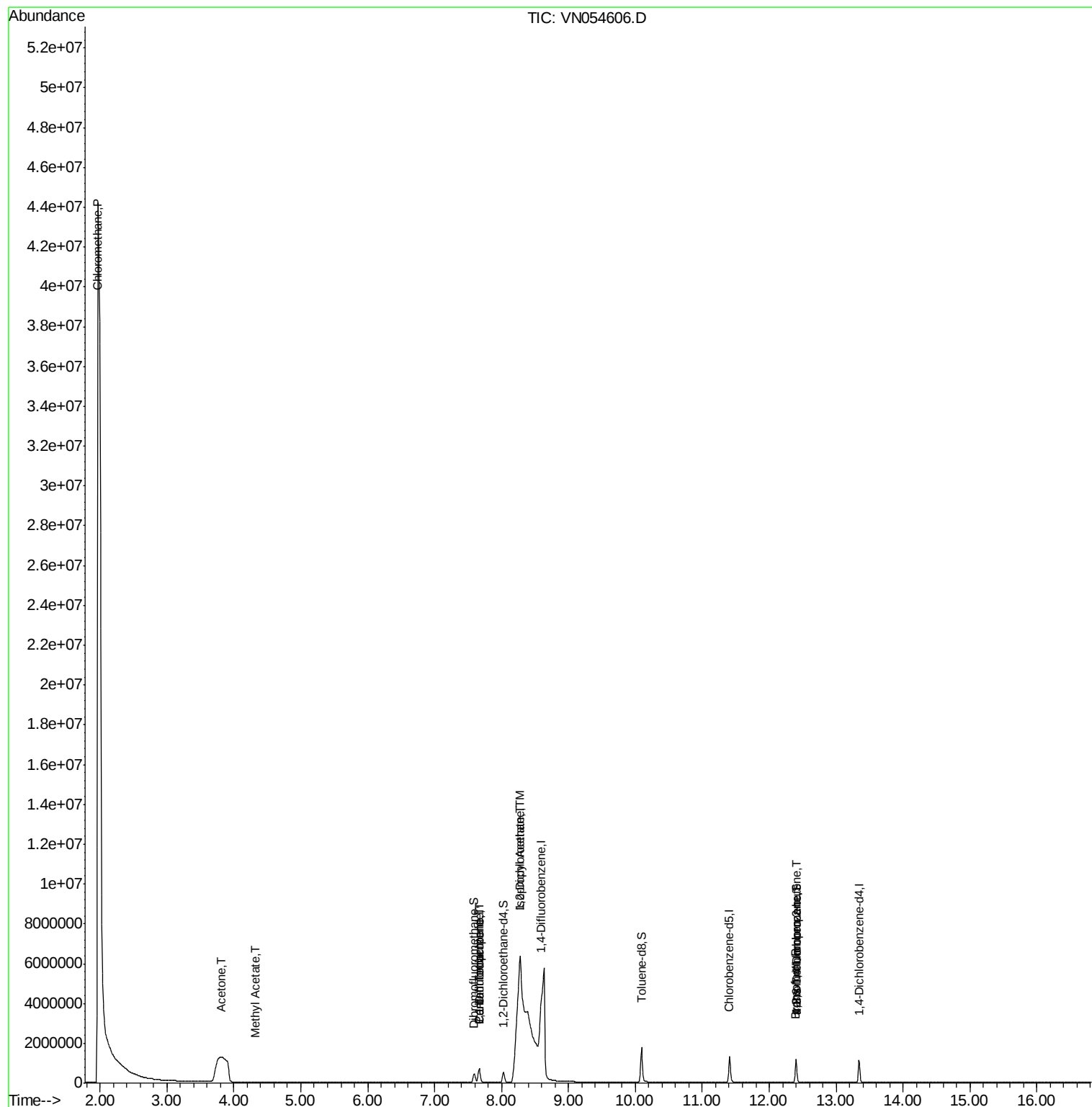
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.97	50	6508650	836.137	ug/l #	43
16) Acetone	3.82	43	505	0.226	ug/l #	49
18) Methyl Acetate	4.33	43	1254	0.251	ug/l #	64
31) Cyclohexane	7.67	56	13162	Below Cal	#	13
36) 1,1-Dichloropropene	7.66	75	45050	4.974	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55296	6.282	ug/l #	17
42) 1,2-Dichloroethane	8.27	62	30689	3.254	ug/l #	75
43) Isopropyl Acetate	8.28	43	14183549	1303.685	ug/l #	62
71) Bromoform	12.38	173	256	2.282	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	207927	43.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207927	143.315	ug/l #	11

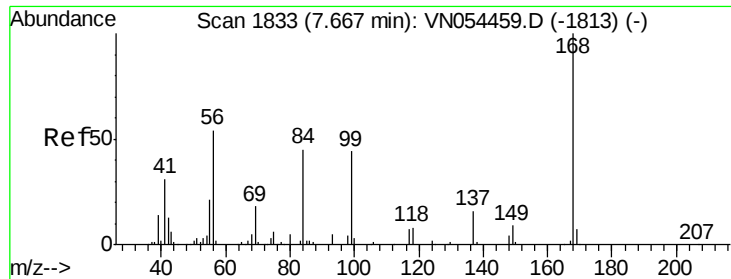
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

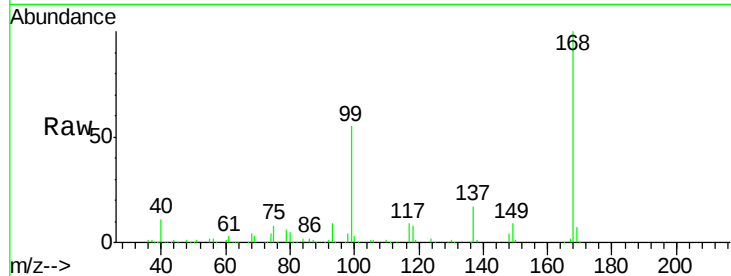
M3-T4-OZ(POST-HYPO)

Tot Ion:168 Resp: 598469

Ion Ratio Lower Upper

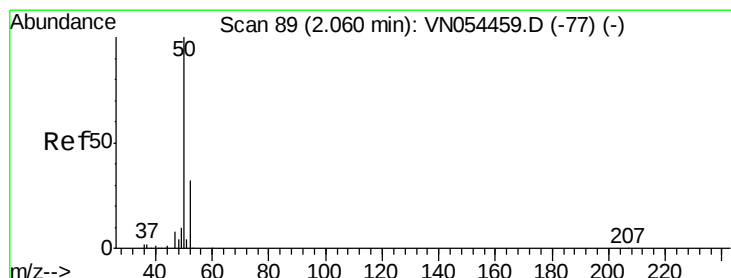
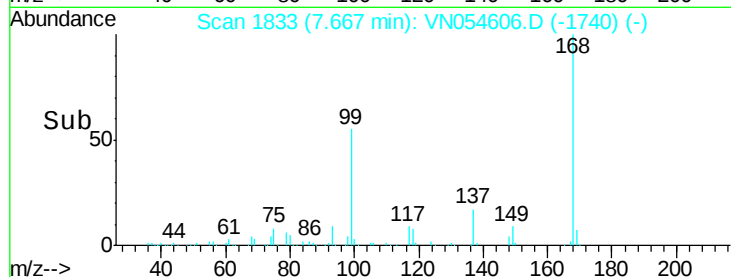
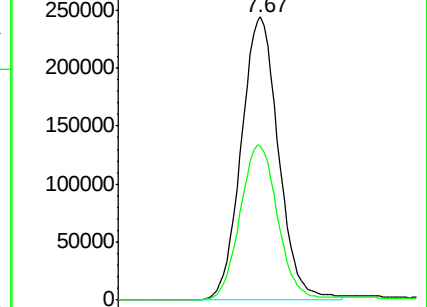
168 100

99 54.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 836.137 ug/l

RT: 1.97 min Scan# 61

Delta R.T. -0.09 min

Lab File: VN054606.D

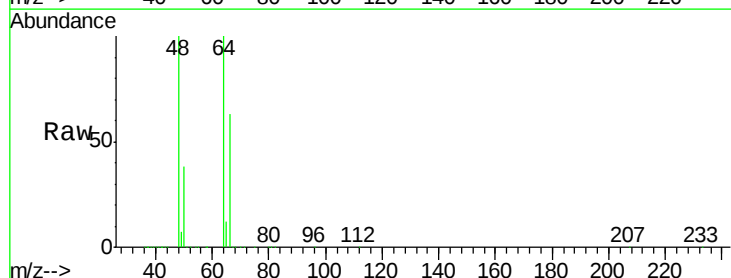
Acq: 23 Mar 2019 15:59

Tgt Ion: 50 Resp: 6508650

Ion Ratio Lower Upper

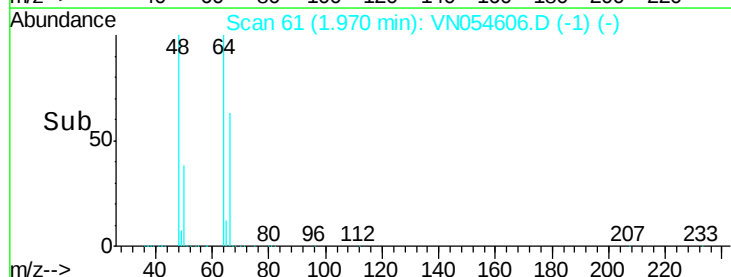
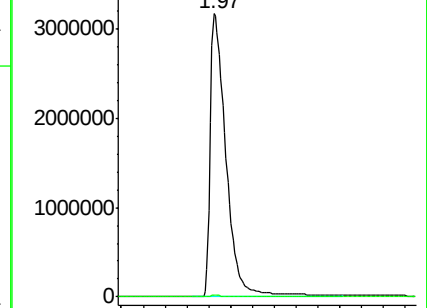
50 100

52 0.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 0.226 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

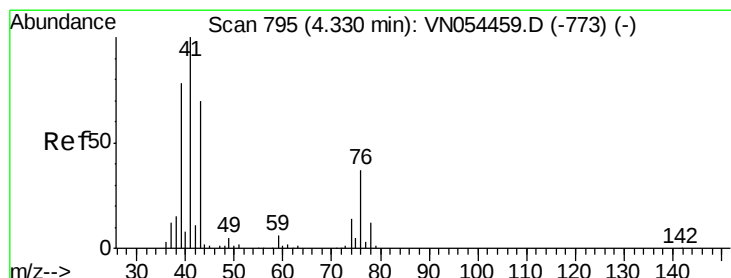
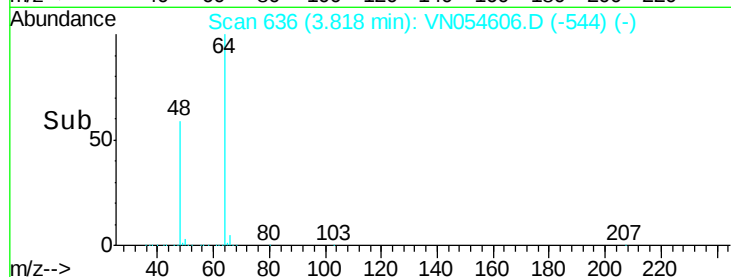
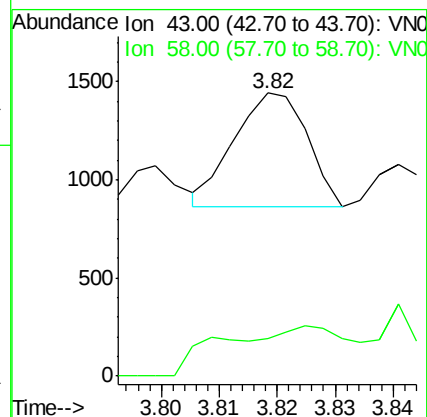
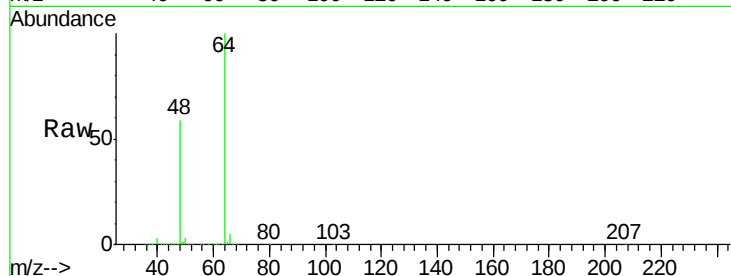
M3-T4-OZ(POST-HYPO)

Tot Ion: 43 Resp: 505

Ion Ratio Lower Upper

43 100

58 6.7 29.9 44.9#



#18

Methyl Acetate

Concen: 0.251 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054606.D

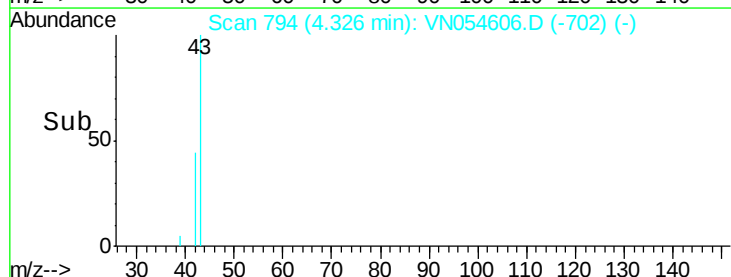
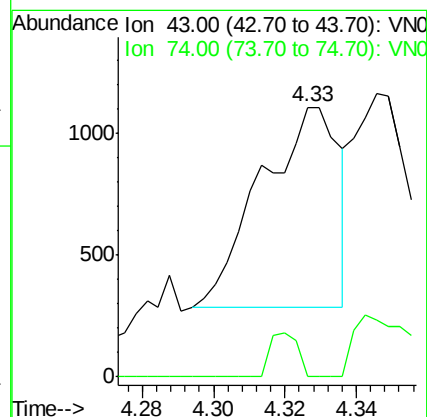
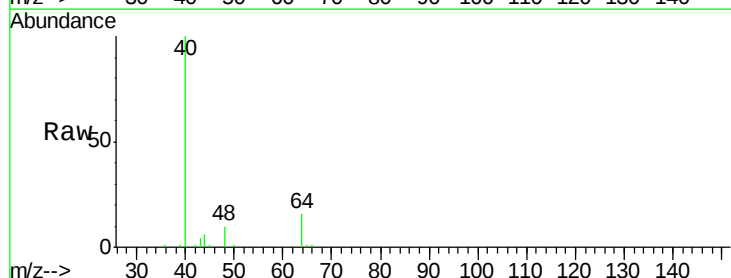
Acq: 23 Mar 2019 15:59

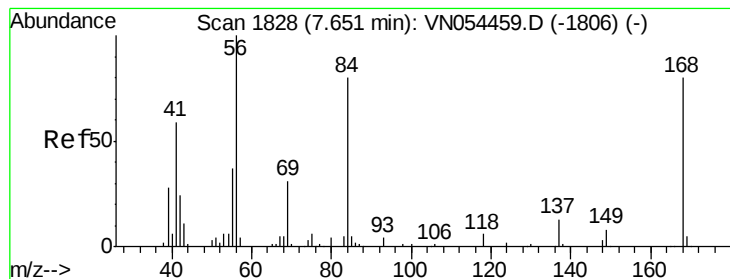
Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

43 100

74 7.7 20.8 31.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

M3-T4-OZ(POST-HYPO)

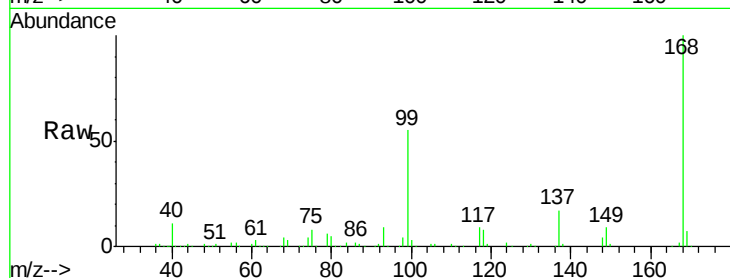
Tot Ion: 56 Resp: 13162

Ion Ratio Lower Upper

56 100

69 172.5 27.8 41.6#

84 122.0 74.6 111.8#

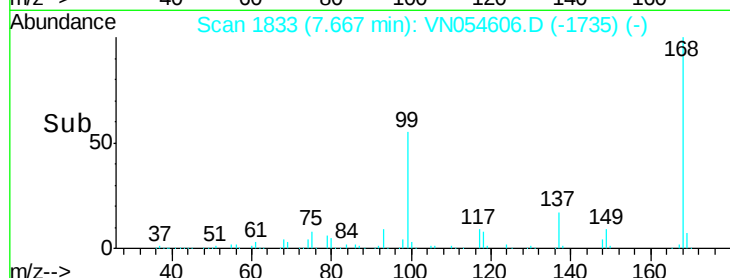


Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN054459.D (-1806) (-)

Time-->

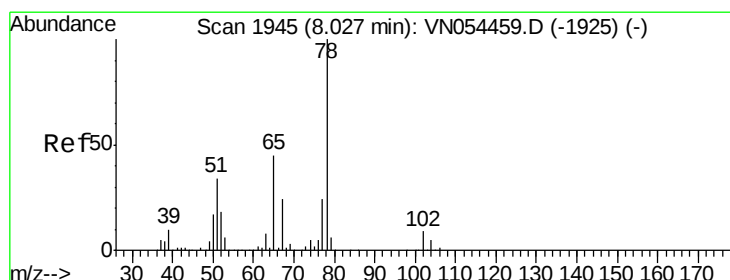


Abundance Ion 56.00 (55.70 to 56.70): VN054606.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN054606.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN054606.D (-1735) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.114 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054606.D

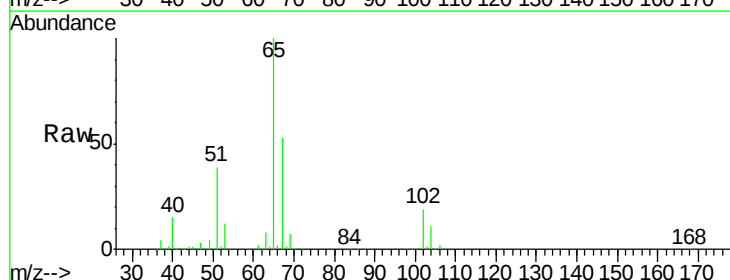
Acq: 23 Mar 2019 15:59

Tgt Ion: 65 Resp: 432597

Ion Ratio Lower Upper

65 100

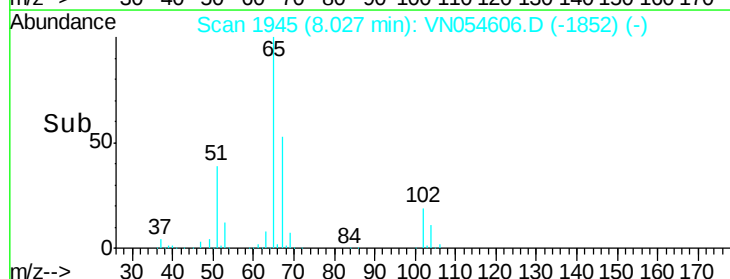
67 52.5 0.0 104.6



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

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

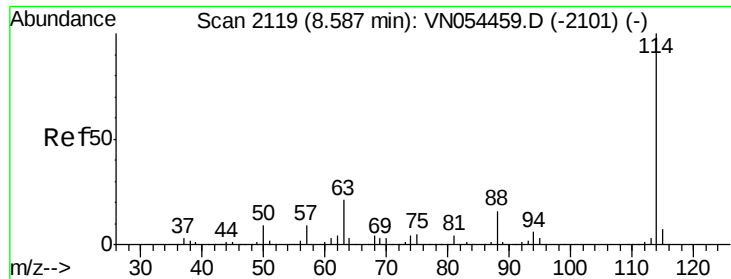
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN054606.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054606.D (-1852) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

M3-T4-OZ(POST-HYPO)

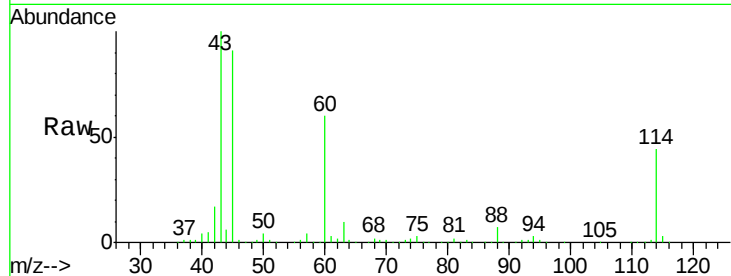
Tot Ion:114 Resp: 968707

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

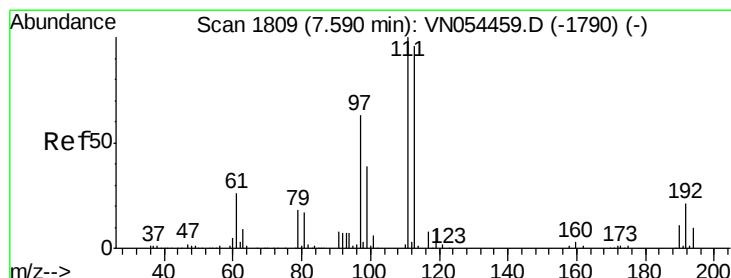
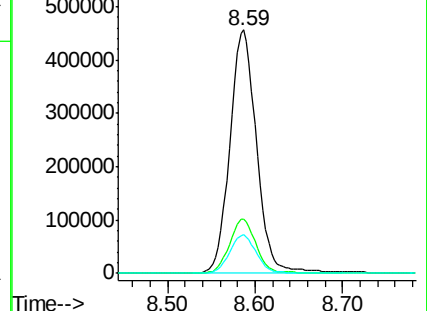
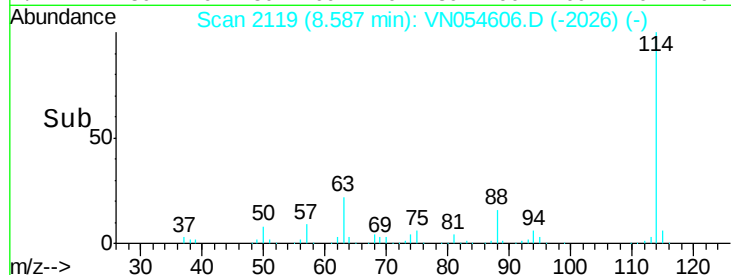
88 15.7 0.0 30.2



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: 54.094 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

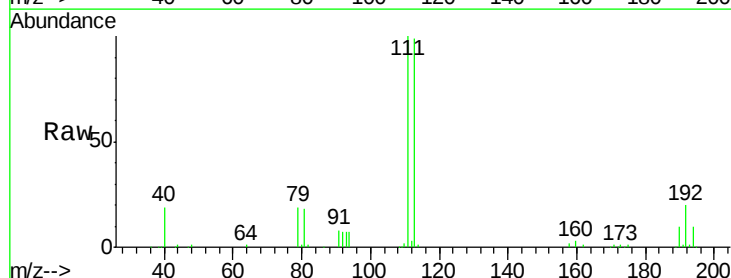
Tgt Ion:113 Resp: 337592

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

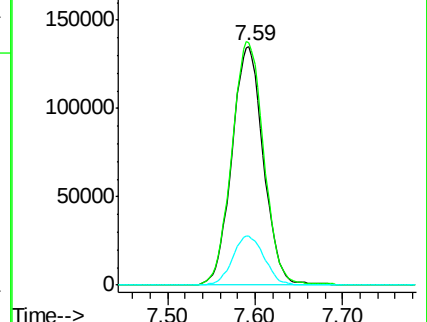
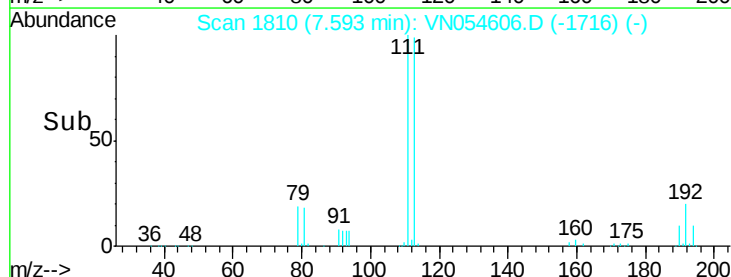
192 20.7 19.2 28.8

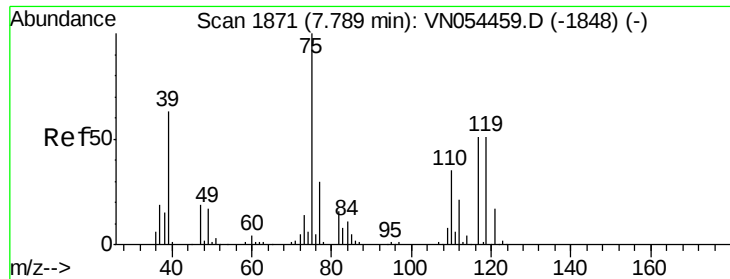


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

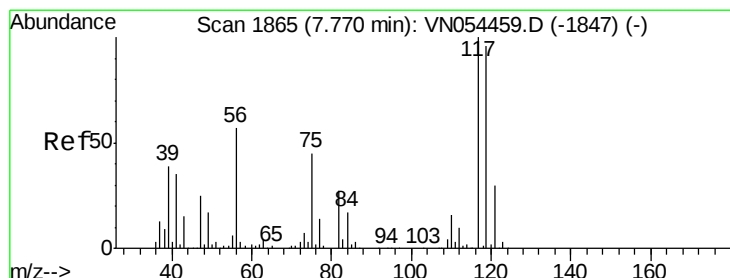
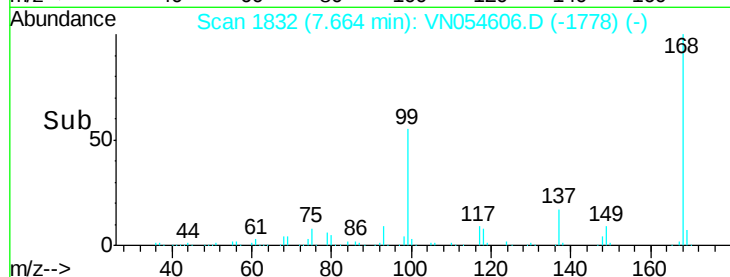
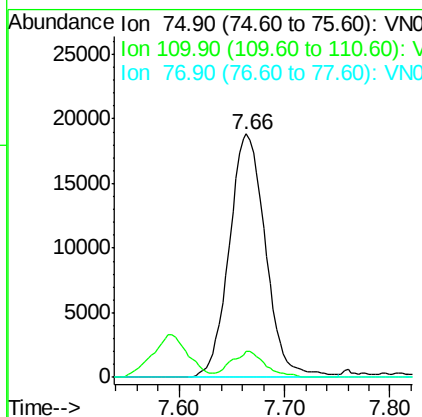
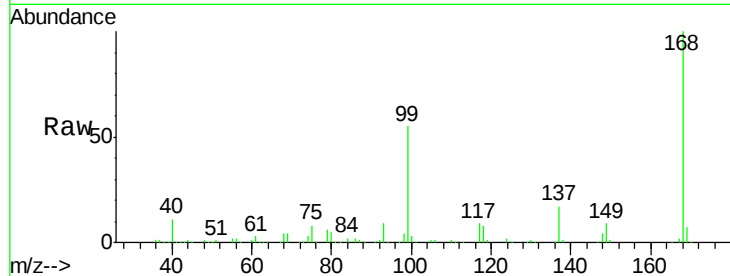




#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054606.D
 Acq: 23 Mar 2019 15:59

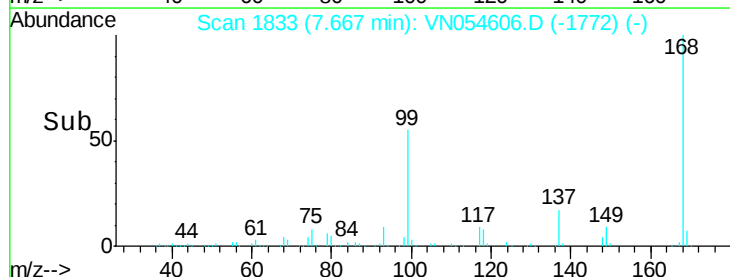
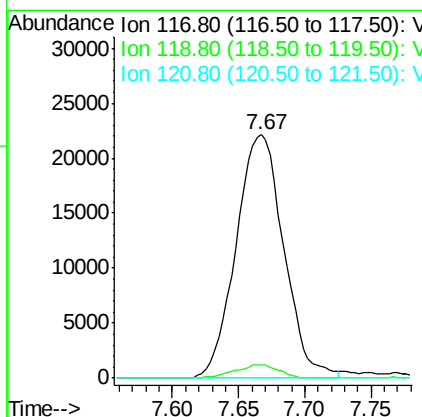
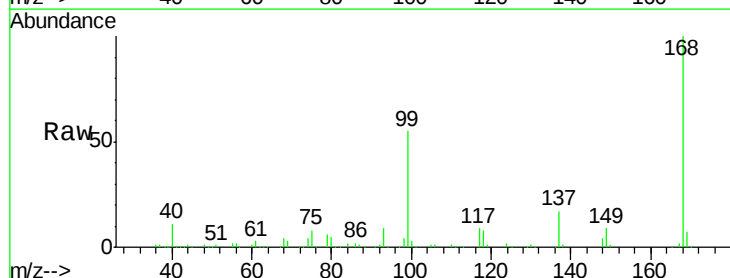
Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T4-OZ(POST-HYPO)

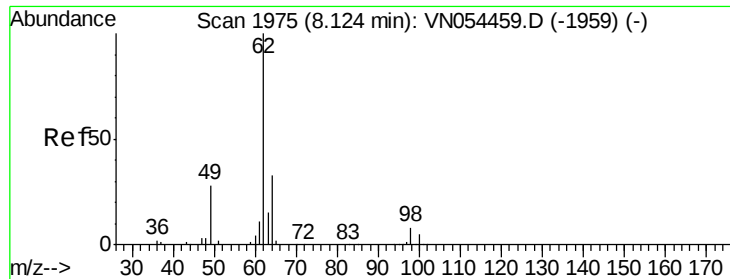
Tot Ion: 75 Resp: 45050
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.282 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054606.D
 Acq: 23 Mar 2019 15:59

Tgt Ion: 117 Resp: 55296
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.3 114.5#
 121 0.0 24.6 36.8#





#42

1,2-Dichloroethane

Concen: 3.254 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.15 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

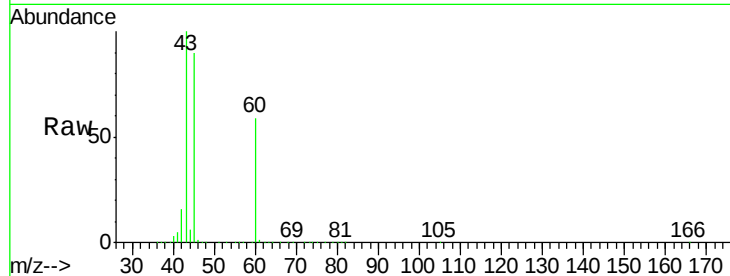
M3-T4-OZ(POST-HYPO)

Tot Ion: 62 Resp: 30689

Ion Ratio Lower Upper

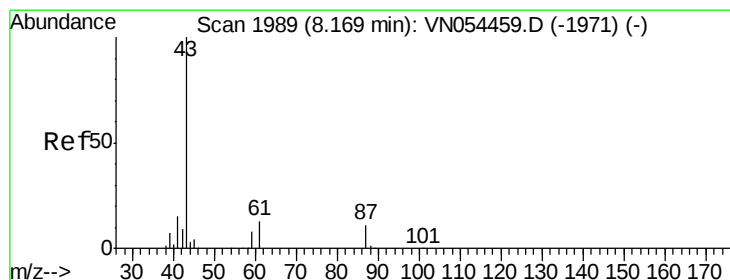
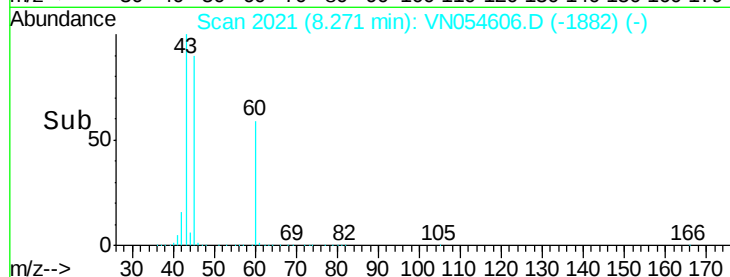
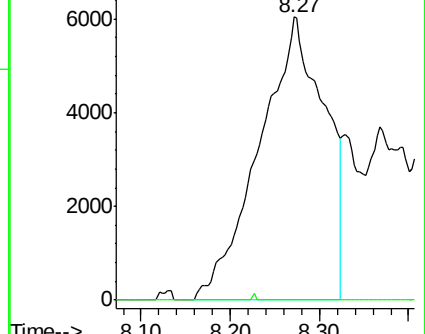
62 100

98 0.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 1303.685 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.11 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

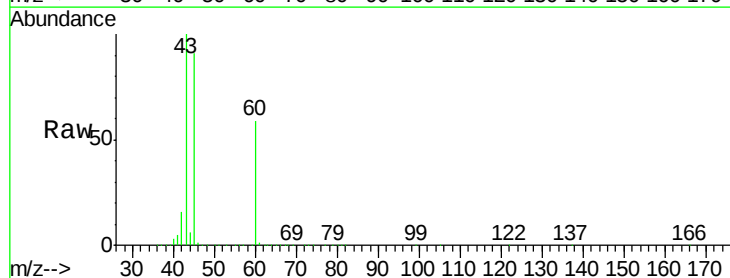
Tgt Ion: 43 Resp: 14183549

Ion Ratio Lower Upper

43 100

61 1.4 15.8 23.8#

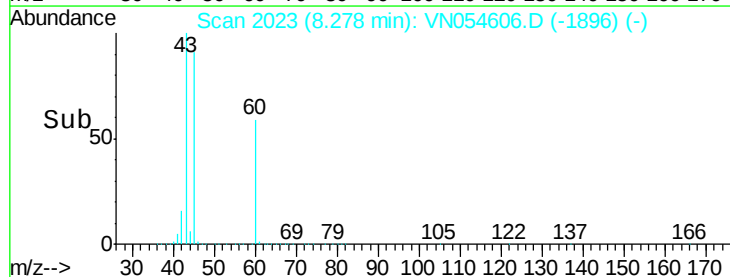
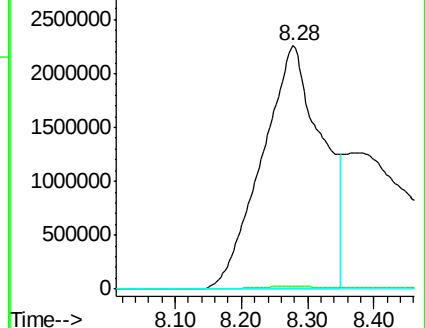
87 0.0 12.0 18.0#

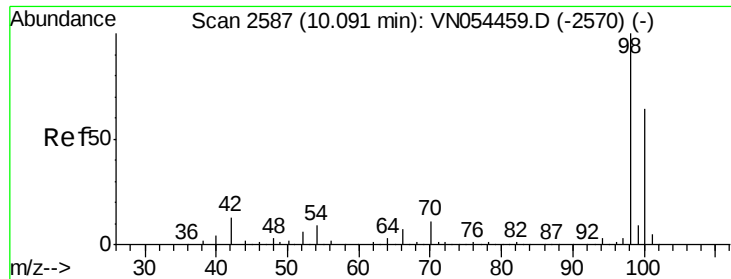


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 54.959 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

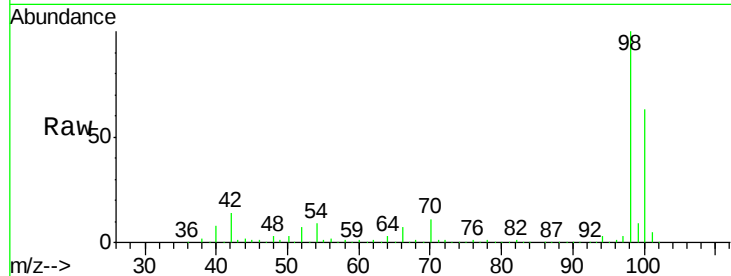
M3-T4-OZ(POST-HYPO)

Tot Ion: 98 Resp: 1289436

Ion Ratio Lower Upper

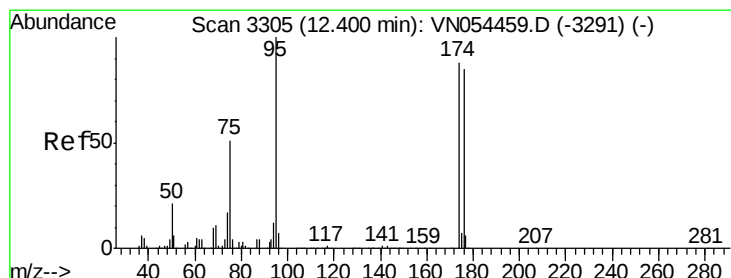
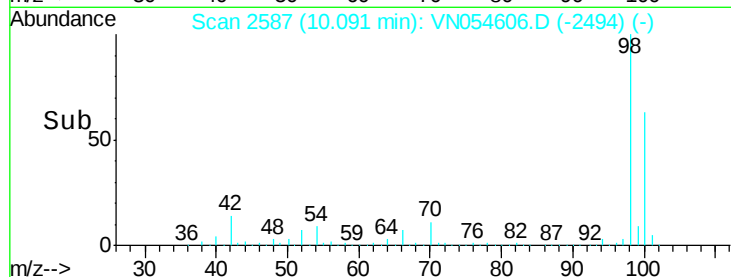
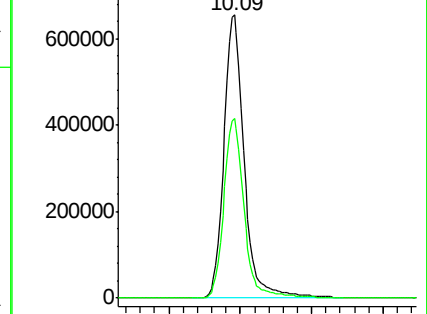
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 49.599 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

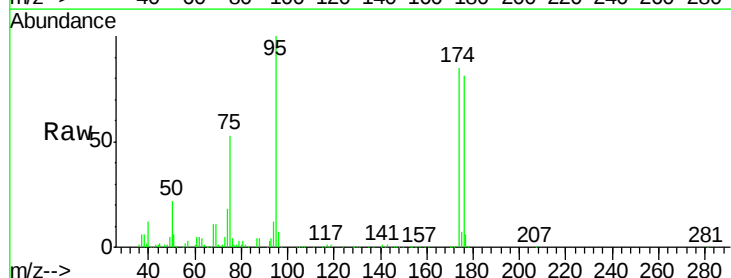
Tgt Ion: 95 Resp: 395985

Ion Ratio Lower Upper

95 100

174 85.5 0.0 191.0

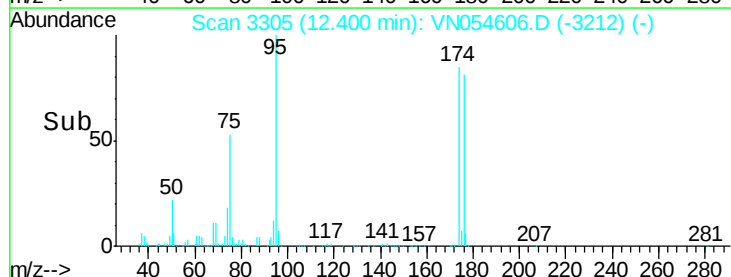
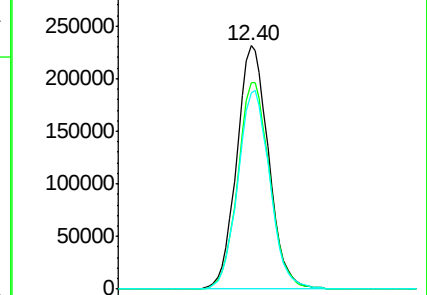
176 82.4 0.0 187.4

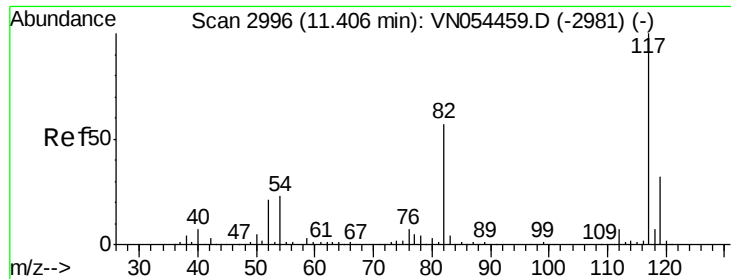


Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

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

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

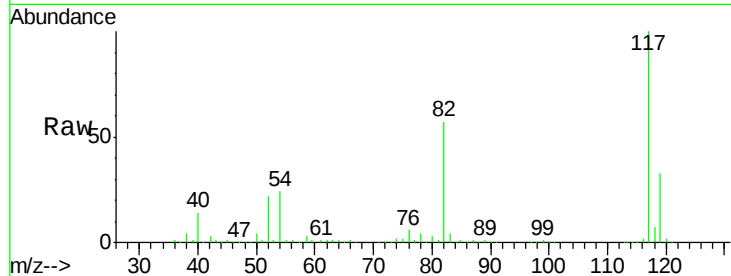




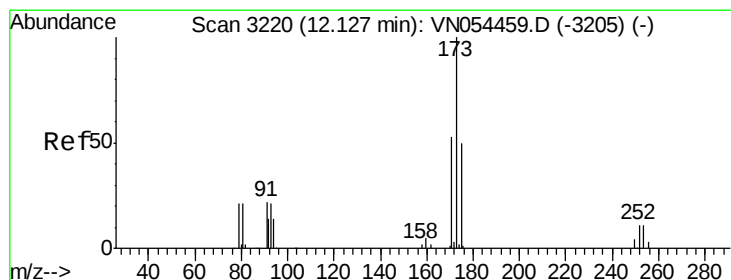
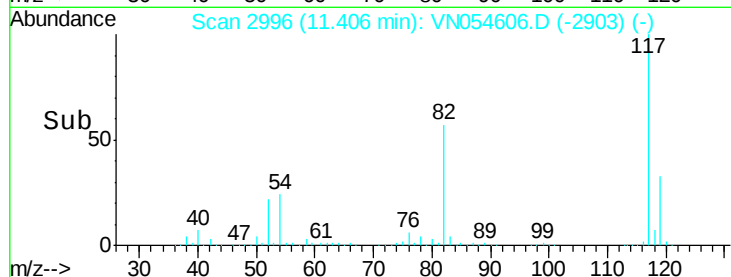
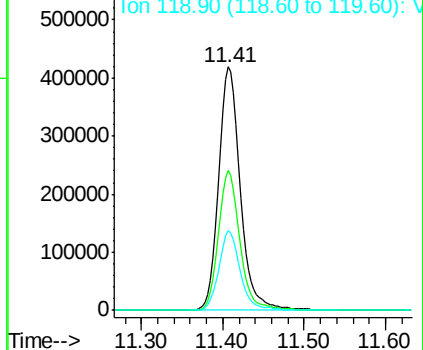
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054606.D
Acq: 23 Mar 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
M3-T4-OZ(POST-HYPO)

Tot Ion:117 Resp: 792155
Ion Ratio Lower Upper
117 100
82 57.2 40.0 60.0
119 32.7 25.8 38.6

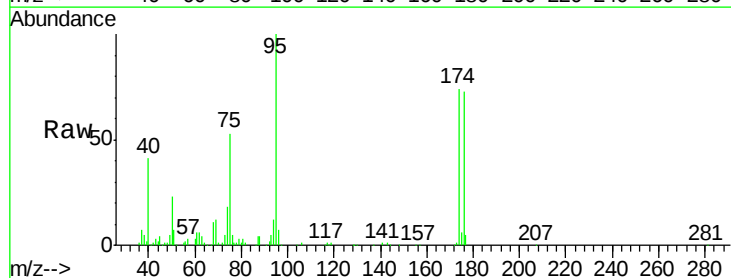


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

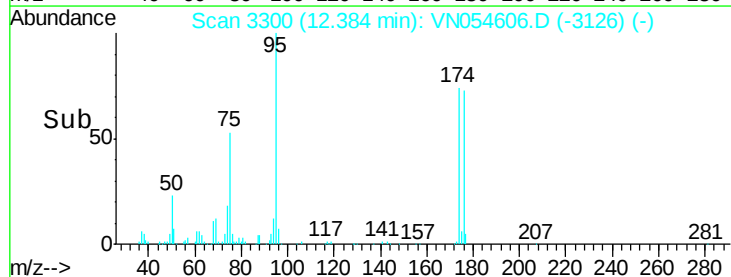
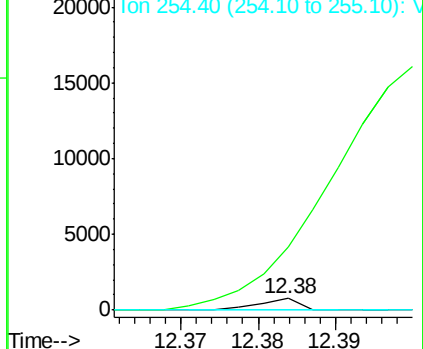


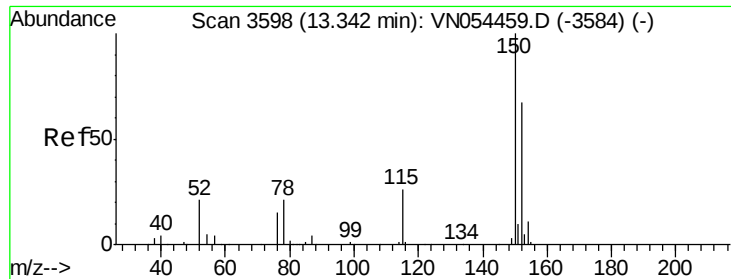
#71
Bromoform
Concen: 2.282 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN054606.D
Acq: 23 Mar 2019 15:59

Tgt Ion:173 Resp: 256
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: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

M3-T4-OZ(POST-HYPO)

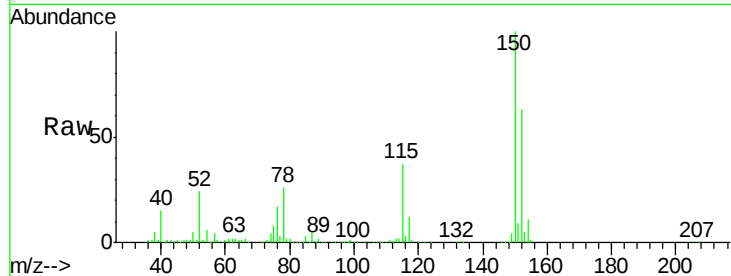
Tot Ion:152 Resp: 301875

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

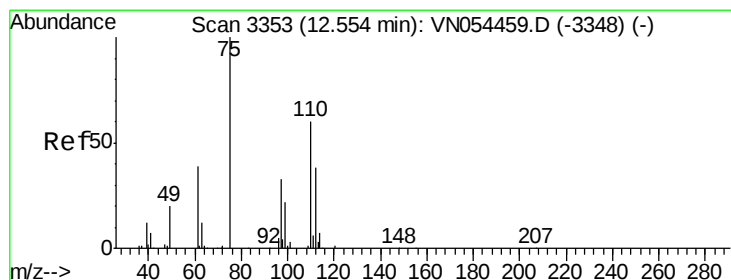
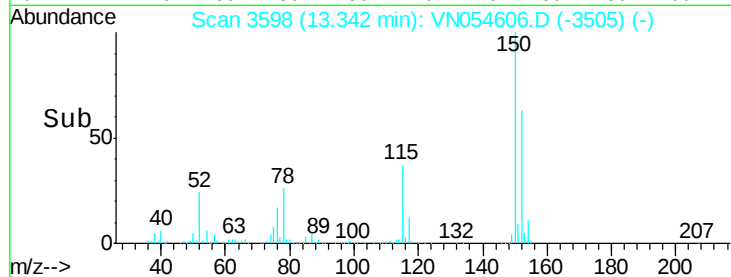
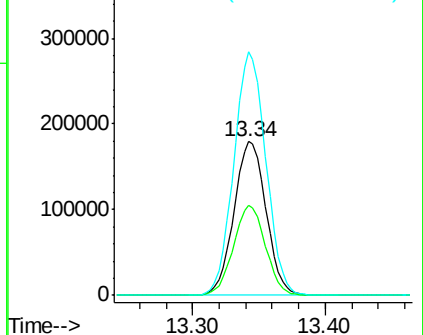
150 157.9 0.0 349.2



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: 43.406 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054606.D

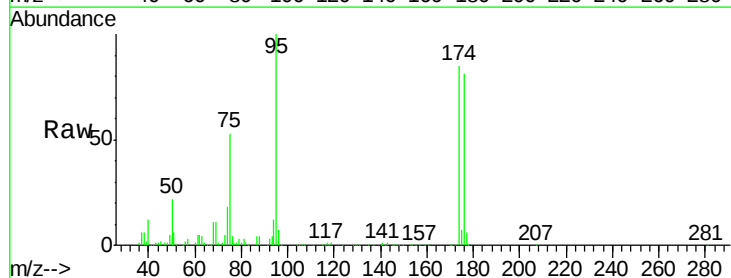
Acq: 23 Mar 2019 15:59

Tgt Ion: 75 Resp: 207927

Ion Ratio Lower Upper

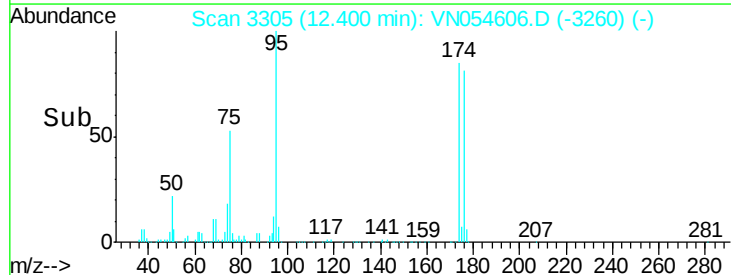
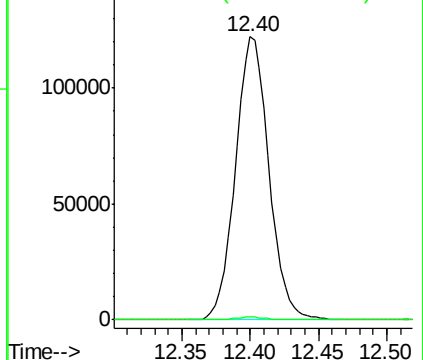
75 100

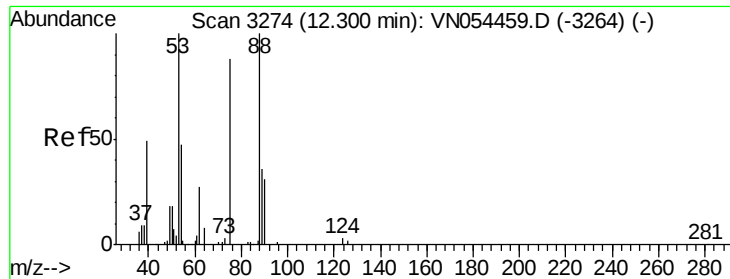
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.315 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054606.D

Acq: 23 Mar 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

M3-T4-OZ(POST-HYPO)

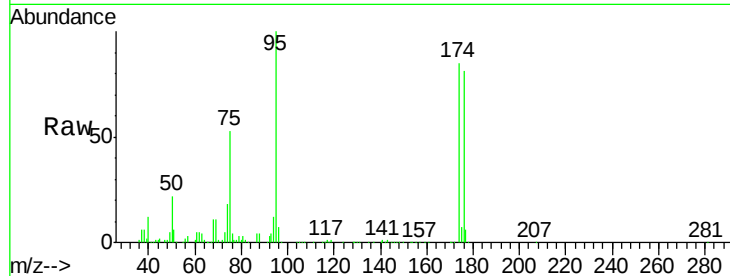
Tot Ion: 75 Resp: 207927

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

