

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053316.D
 Acq On : 8 Jan 2019 17:04
 Operator : MD\SY
 Sample : K1086-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 CF-1819-W

Quant Time: Jan 09 00:11:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1138647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1763281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1651142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	748877	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	560915	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
35) Dibromofluoromethane	7.59	113	497222	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.09	98	2167538	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	772731	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

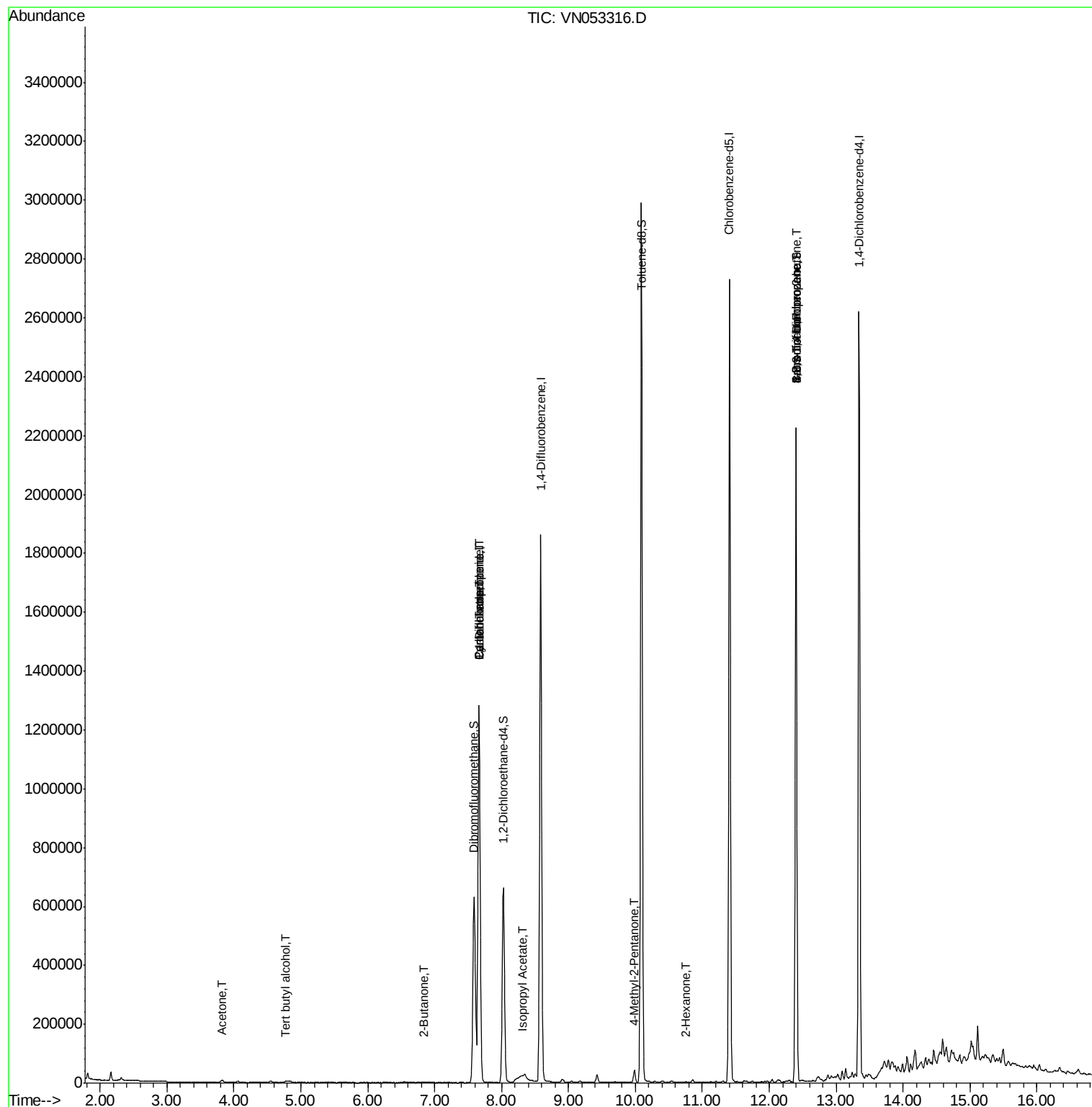
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	9295	13.045	ug/l #	81
16) Acetone	3.81	43	7225	0.302	ug/l	90
25) 2-Butanone	6.84	43	2652	0.546	ug/l	90
31) Cyclohexane	7.66	56	18142	0.706	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	73863	4.487	ug/l #	48
38) Carbon Tetrachloride	7.66	117	96819	6.372	ug/l #	16
43) Isopropyl Acetate	8.30	43	39484	1.872	ug/l #	52
51) 4-Methyl-2-Pentanone	9.99	43	28449	2.682	ug/l	97
59) 2-Hexanone	10.76	43	1710	0.235	ug/l #	59
71) Bromoform	12.40	173	5089	0.574	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	357787	32.756	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	357787	96.374	ug/l #	14

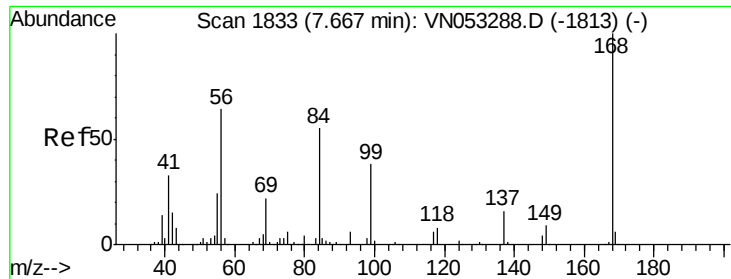
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

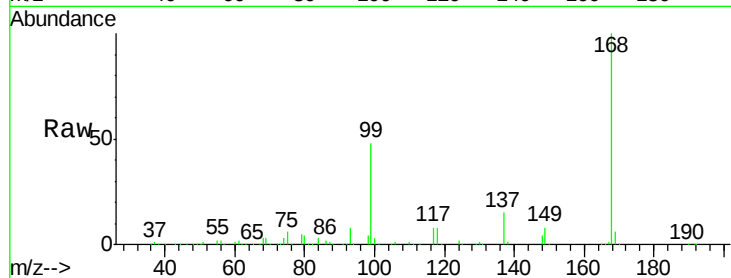
CF-1819-W

Tot Ion:168 Resp: 1138647

Ion Ratio Lower Upper

168 100

99 48.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

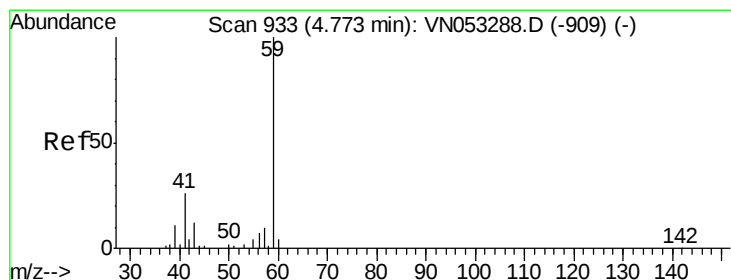
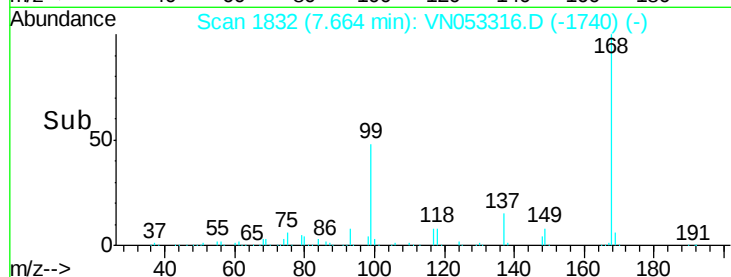
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 13.045 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN053316.D

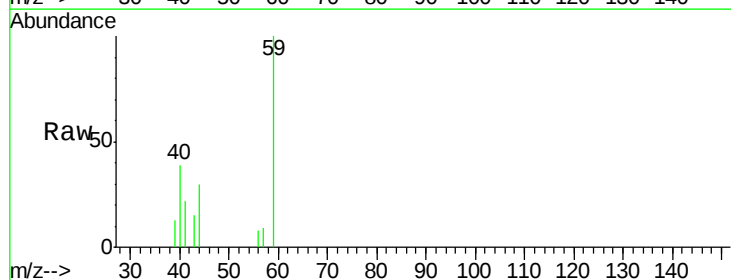
Acq: 8 Jan 2019 17:04

Tgt Ion: 59 Resp: 9295

Ion Ratio Lower Upper

59 100

57 2.8 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

3000

2500

2000

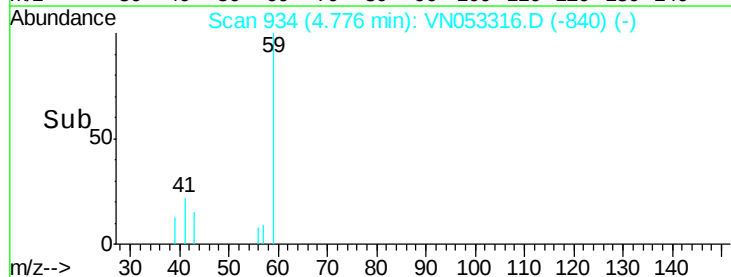
1500

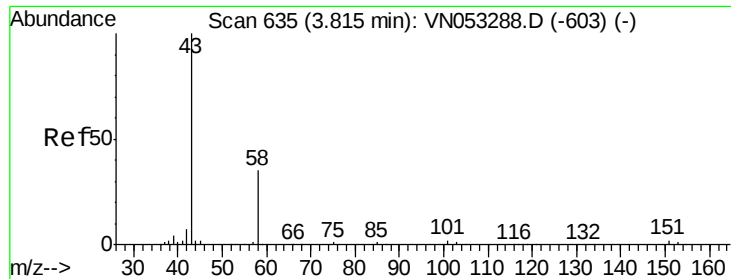
1000

500

0

Time-->





#16

Acetone

Concen: 0.302 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

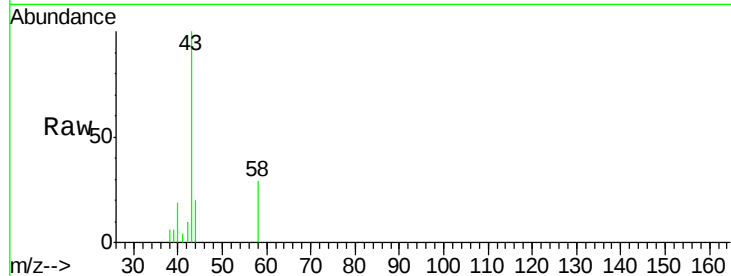
CF-1819-W

Tot Ion: 43 Resp: 7225

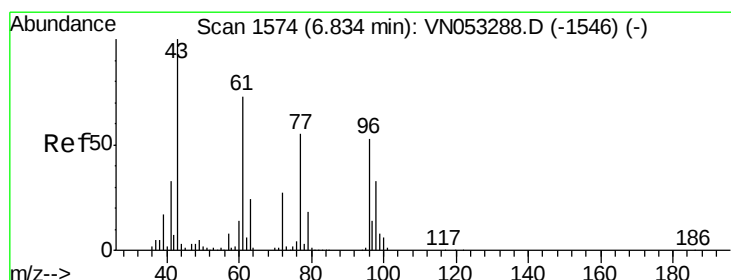
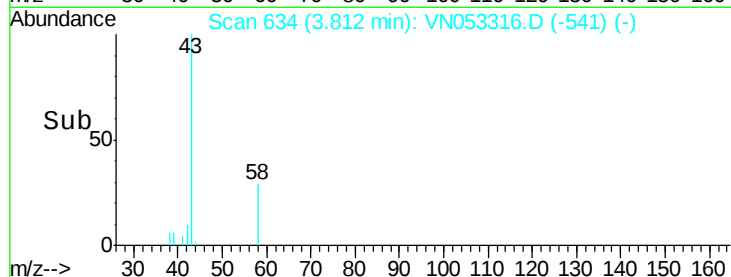
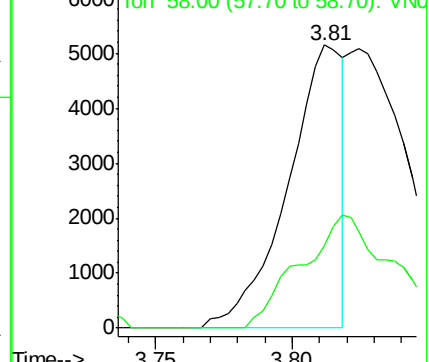
Ion Ratio Lower Upper

43 100

58 29.2 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053316.D (-541) (-)



#25

2-Butanone

Concen: 0.546 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053316.D

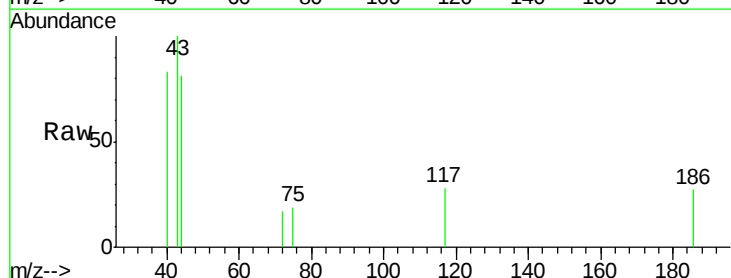
Acq: 8 Jan 2019 17:04

Tgt Ion: 43 Resp: 2652

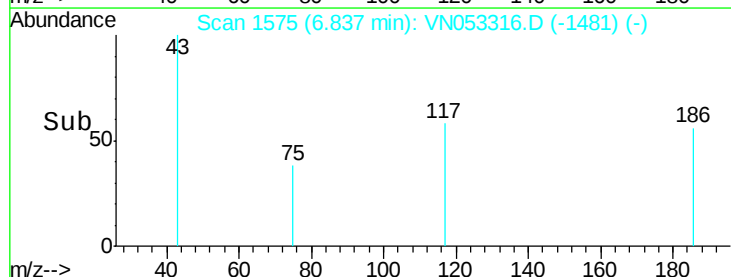
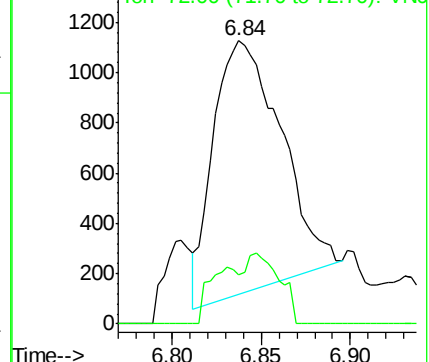
Ion Ratio Lower Upper

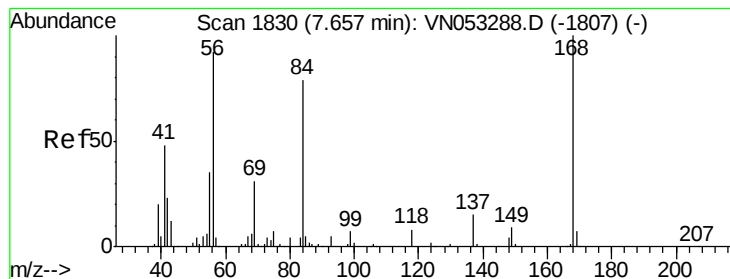
43 100

72 22.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN053316.D (-1481) (-)





#31

Cyclohexane

Concen: 0.706 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

CF-1819-W

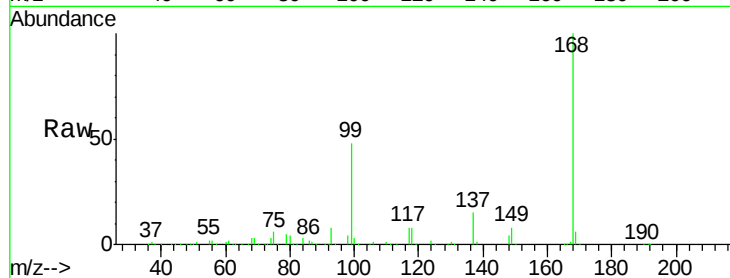
Tot Ion: 56 Resp: 18142

Ion Ratio Lower Upper

56 100

69 188.5 26.7 40.1#

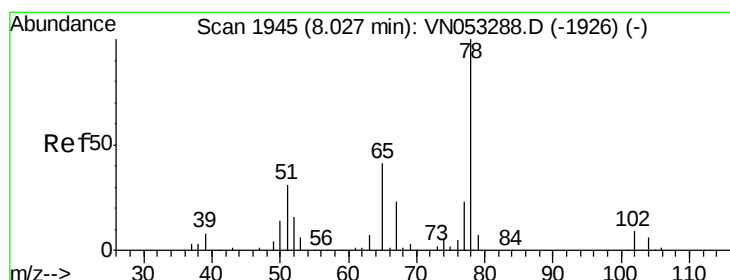
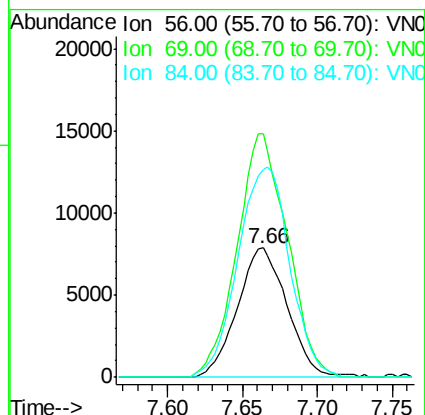
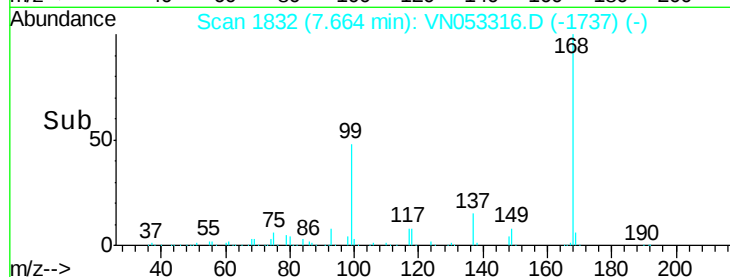
84 161.1 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VN053316.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN053316.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN053316.D (-1737) (-)



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053316.D

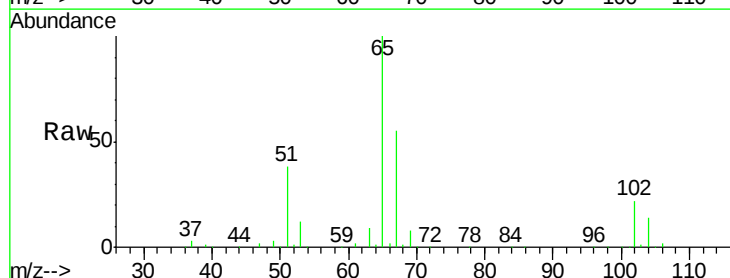
Acq: 8 Jan 2019 17:04

Tgt Ion: 65 Resp: 560915

Ion Ratio Lower Upper

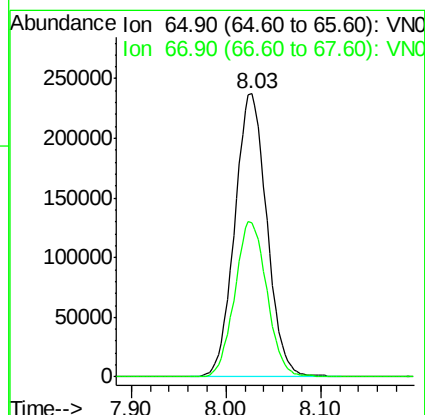
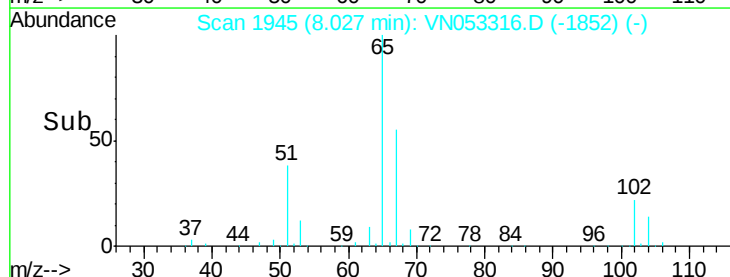
65 100

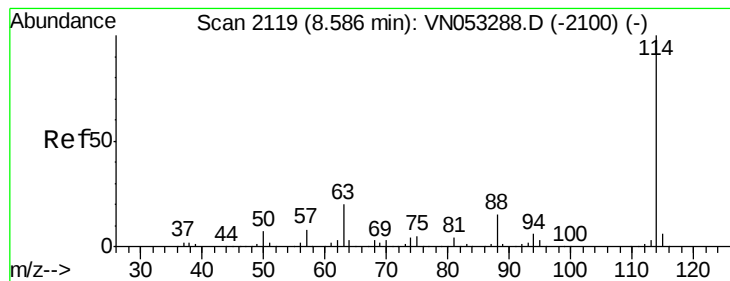
67 55.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN053316.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053316.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

CF-1819-W

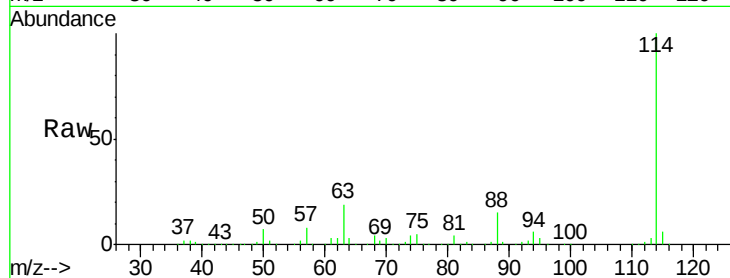
Tot Ion:114 Resp: 1763281

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

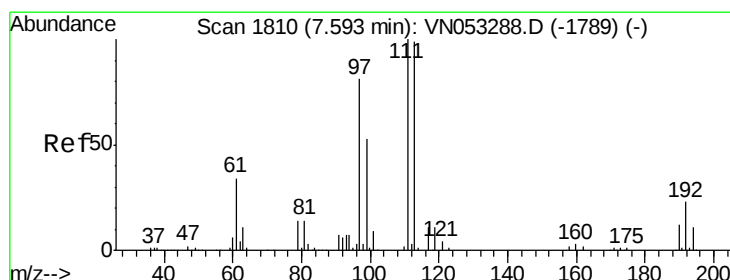
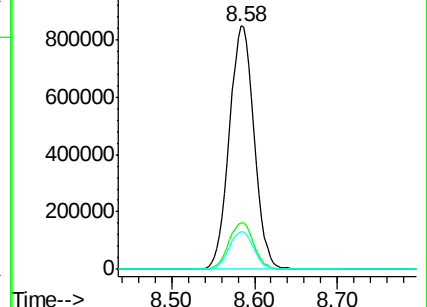
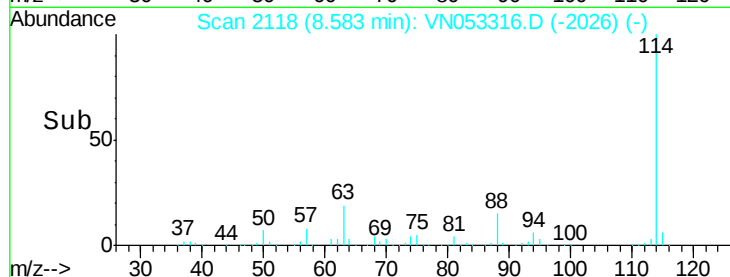
88 15.4 0.0 30.8



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

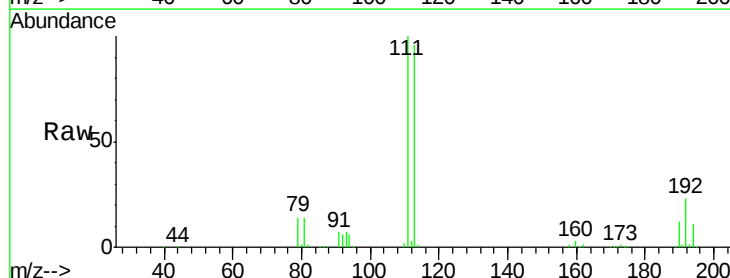
Tgt Ion:113 Resp: 497222

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

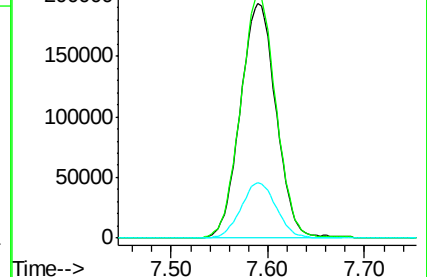
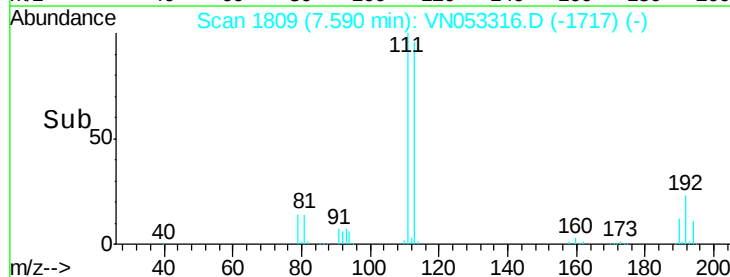
192 23.3 17.9 26.9

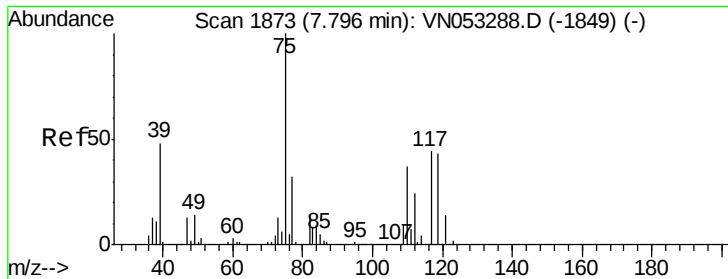


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.487 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

CF-1819-W

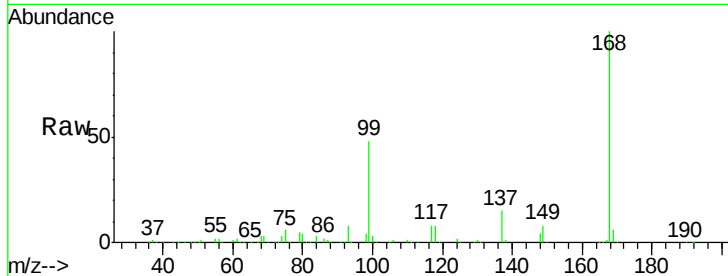
Tot Ion: 75 Resp: 73863

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.0#

77 0.0 25.3 37.9#

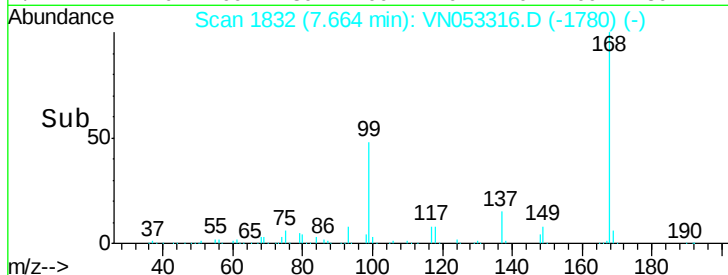


Abundance Ion 74.90 (74.60 to 75.60): VN053316.D (-1780) (-)

Ion 109.90 (109.60 to 110.60): VN053316.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN053316.D (-1780) (-)

Time-->



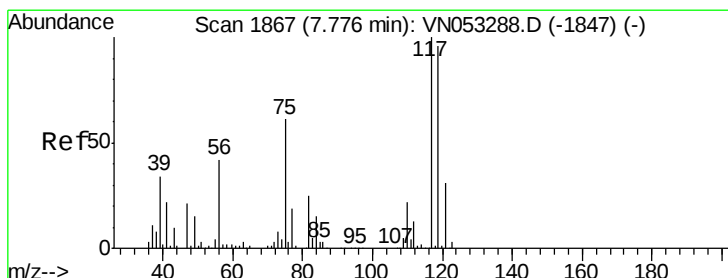
Abundance

Ion 74.90 (74.60 to 75.60): VN053316.D (-1780) (-)

Ion 109.90 (109.60 to 110.60): VN053316.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN053316.D (-1780) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.372 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

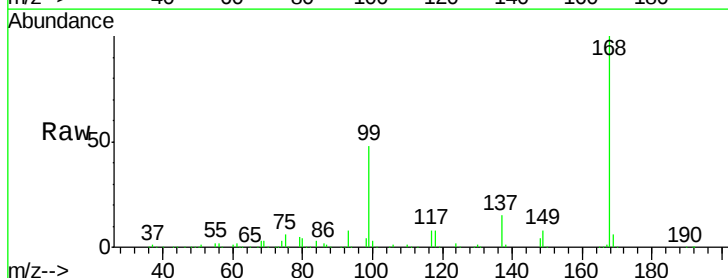
Tgt Ion: 117 Resp: 96819

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

121 0.0 25.0 37.4#

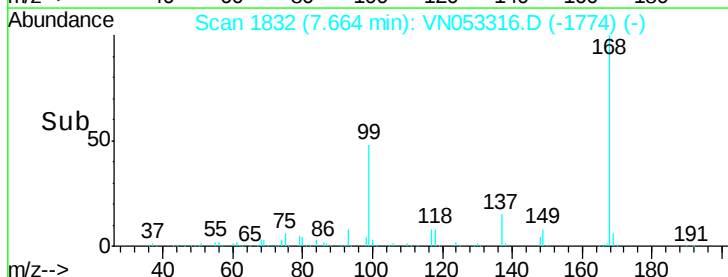


Abundance Ion 116.80 (116.50 to 117.50): VN053316.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN053316.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN053316.D (-1774) (-)

Time-->



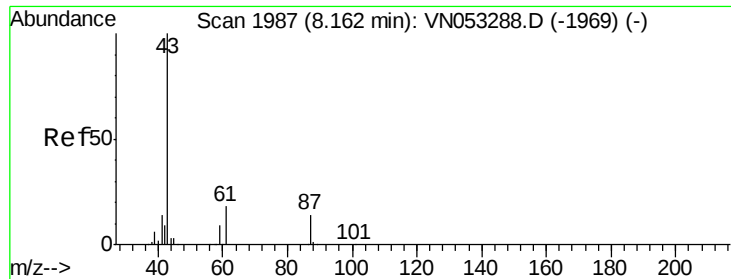
Abundance

Ion 116.80 (116.50 to 117.50): VN053316.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN053316.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN053316.D (-1774) (-)

Time-->



#43

Isopropyl Acetate

Concen: 1.872 ug/l

RT: 8.30 min Scan# 2030

Delta R.T. 0.14 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

CF-1819-W

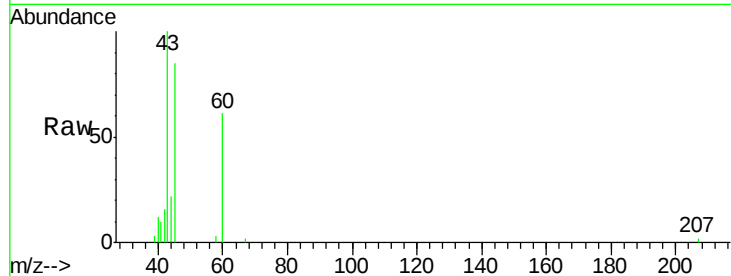
Tot Ion: 43 Resp: 39484

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

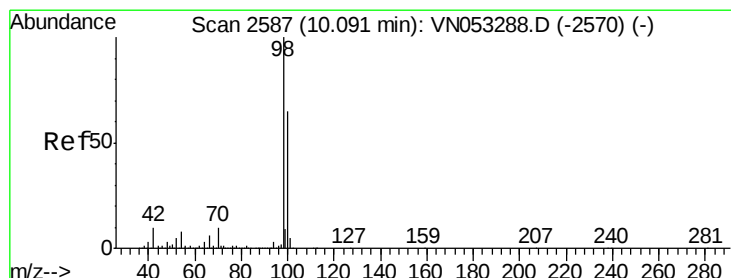
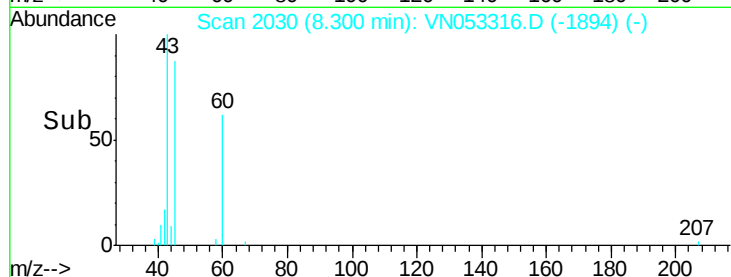
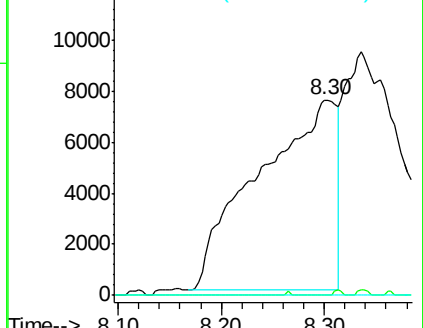
87 0.0 10.8 16.2#



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: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053316.D

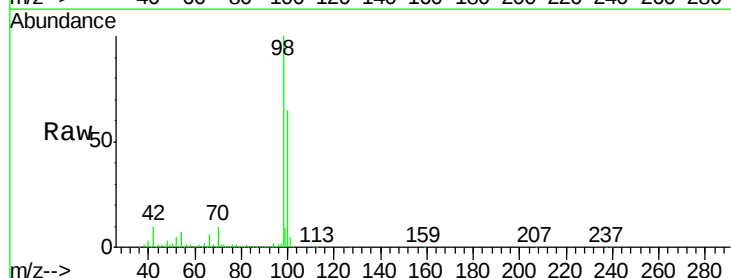
Acq: 8 Jan 2019 17:04

Tgt Ion: 98 Resp: 2167538

Ion Ratio Lower Upper

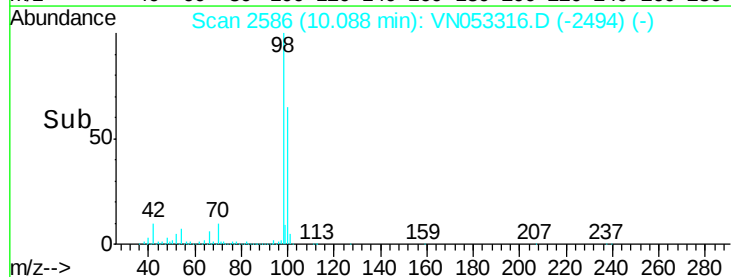
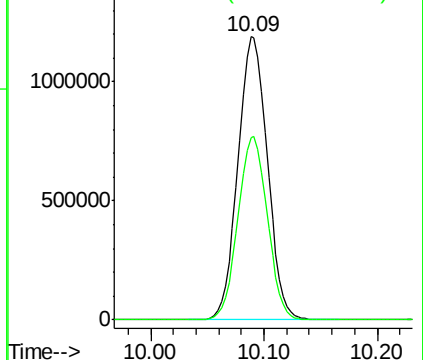
98 100

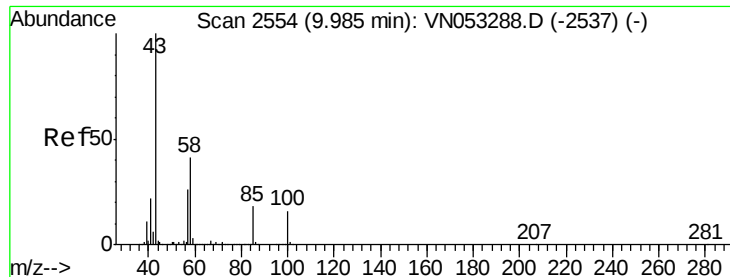
100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.682 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

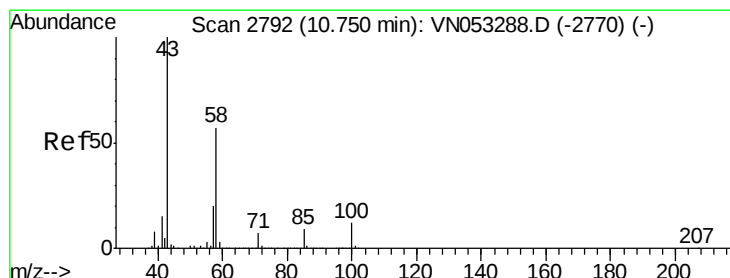
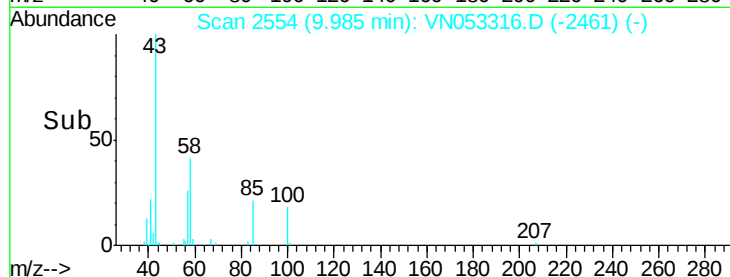
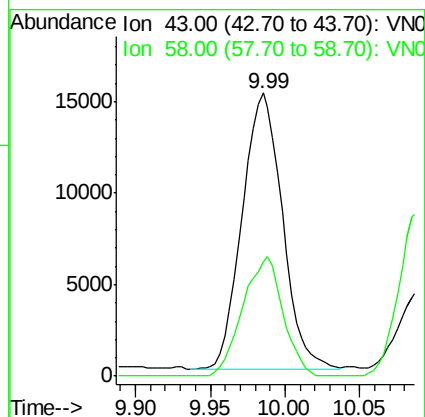
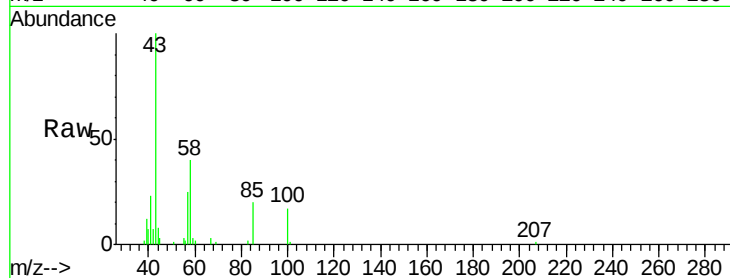
CF-1819-W

Tot Ion: 43 Resp: 28449

Ion Ratio Lower Upper

43 100

58 42.7 32.7 49.1



#59

2-Hexanone

Concen: 0.235 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN053316.D

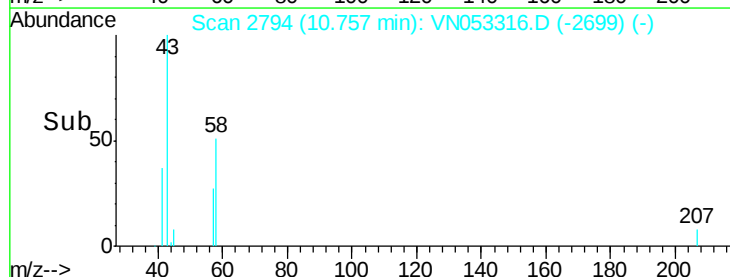
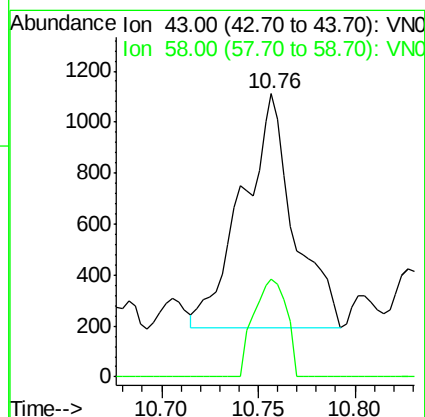
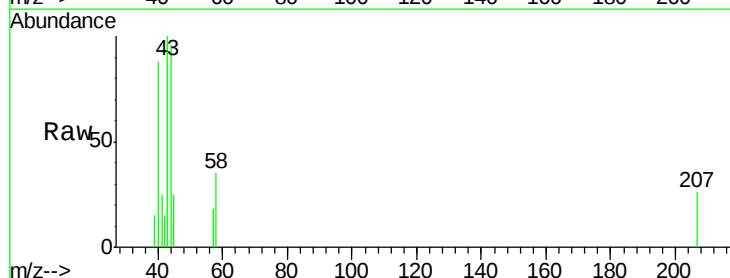
Acq: 8 Jan 2019 17:04

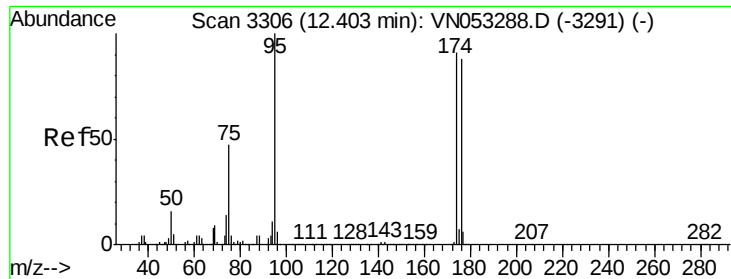
Tgt Ion: 43 Resp: 1710

Ion Ratio Lower Upper

43 100

58 26.6 28.3 85.0#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

CF-1819-W

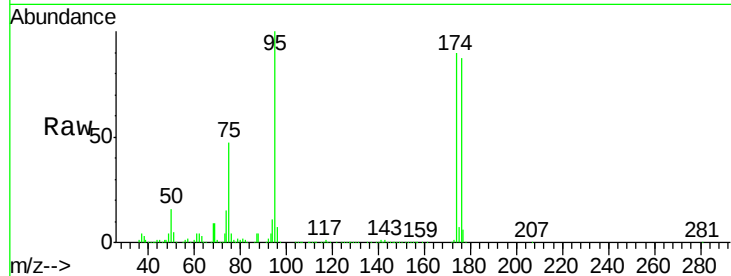
Tot Ion: 95 Resp: 772731

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.4

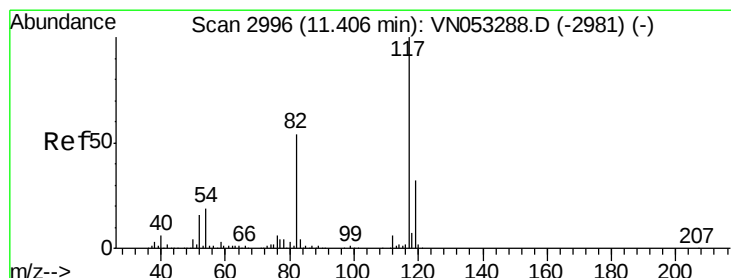
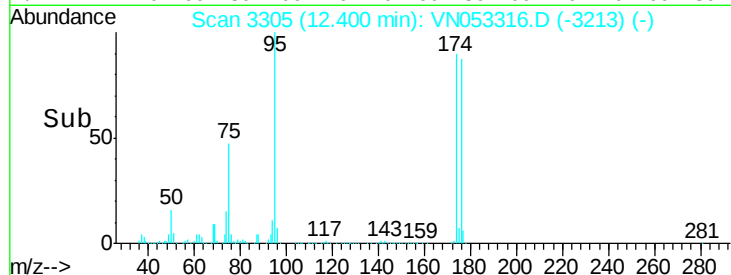
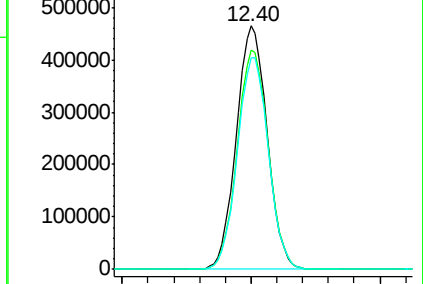
176 87.5 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VN053288.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053288.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053288.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

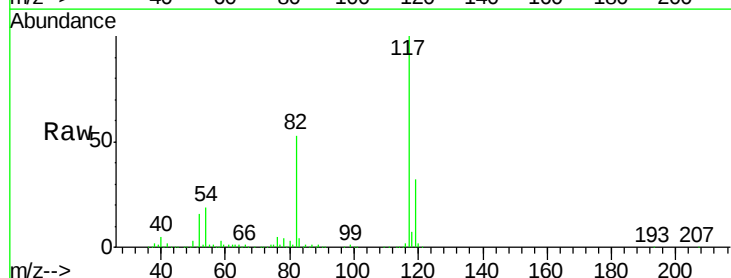
Tgt Ion: 117 Resp: 1651142

Ion Ratio Lower Upper

117 100

82 52.9 42.9 64.3

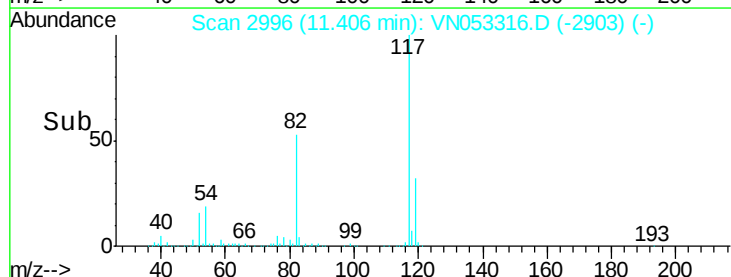
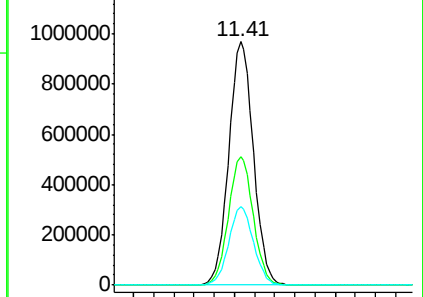
119 32.1 25.6 38.4

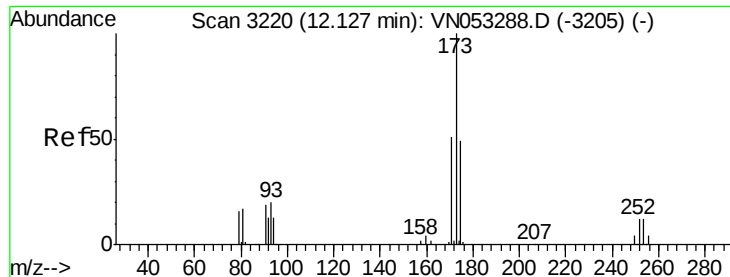


Abundance Ion 116.90 (116.60 to 117.60): VN053288.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053288.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053288.D (-2981) (-)





#71

Bromoform

Concen: 0.574 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053316.D

Acq: 8 Jan 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

CF-1819-W

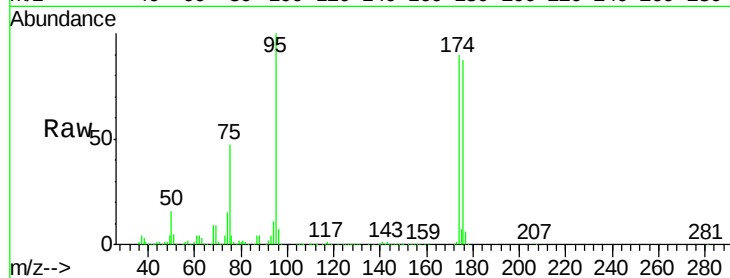
Tot Ion:173 Resp: 5089

Ion Ratio Lower Upper

173 100

175 885.5 24.3 72.8#

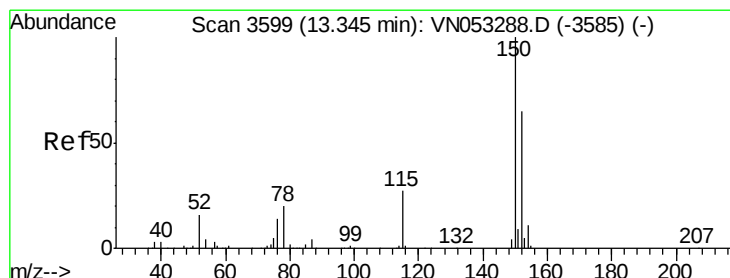
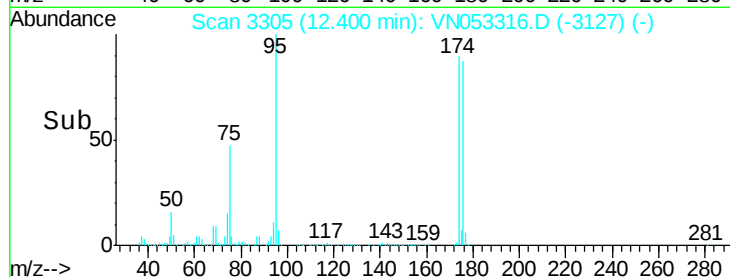
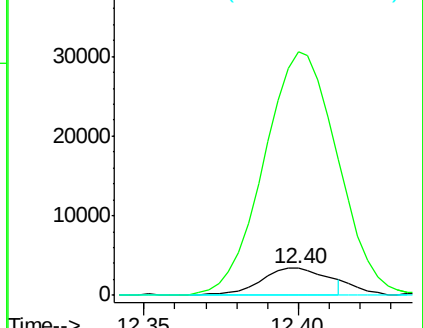
254 0.0 0.2 0.2#



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: VN053316.D

Acq: 8 Jan 2019 17:04

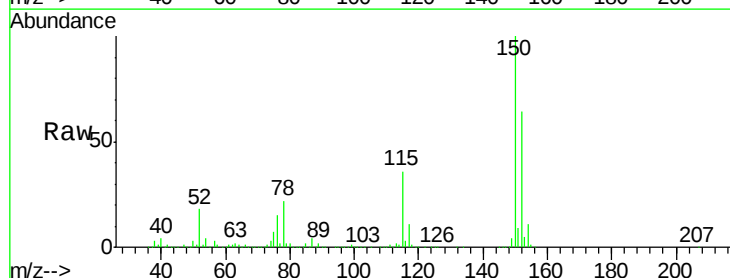
Tgt Ion:152 Resp: 748877

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

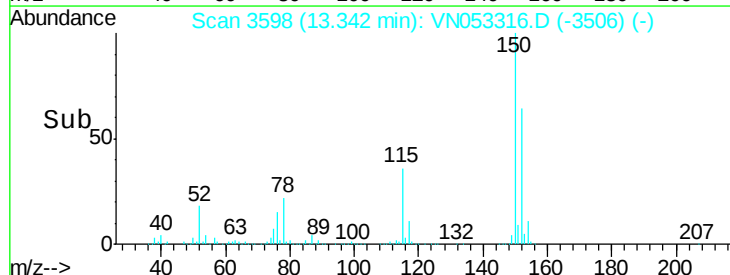
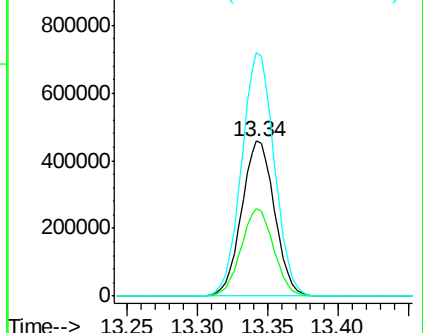
150 156.4 0.0 346.6

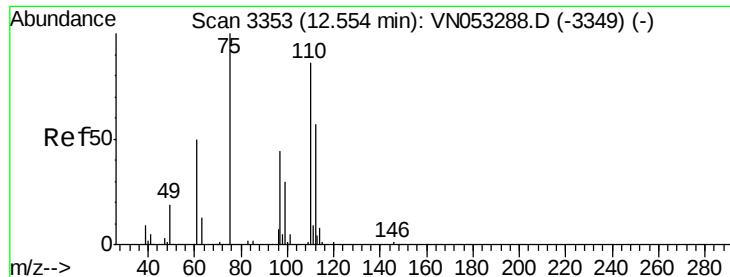


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

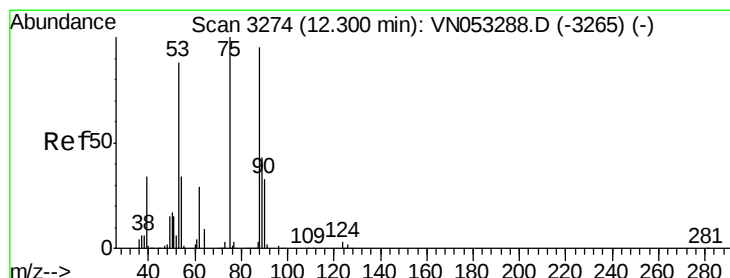
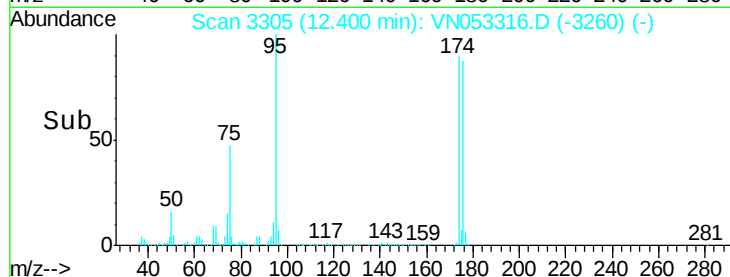
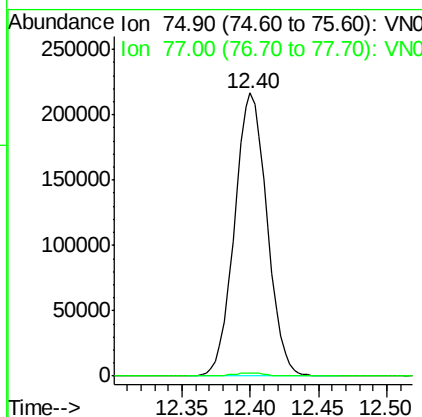
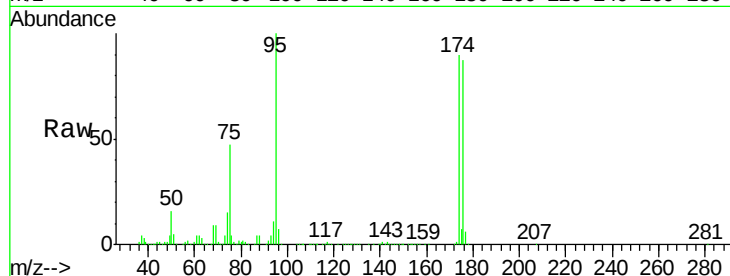




#76
 1,2,3-Trichloropropane
 Concen: 32.756 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN053316.D
 Acq: 8 Jan 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 CF-1819-W

Tot Ion: 75 Resp: 357787
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.374 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053316.D
 Acq: 8 Jan 2019 17:04

Tgt Ion: 75 Resp: 357787
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 35.4 53.0#

