

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053816.D
 Acq On : 15 Feb 2019 23:20
 Operator : JC/SP
 Sample : VN0215WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 00:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	716485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1203513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1117906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	452639	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	371574	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	7.59	113	376361	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	1448132	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	484885	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

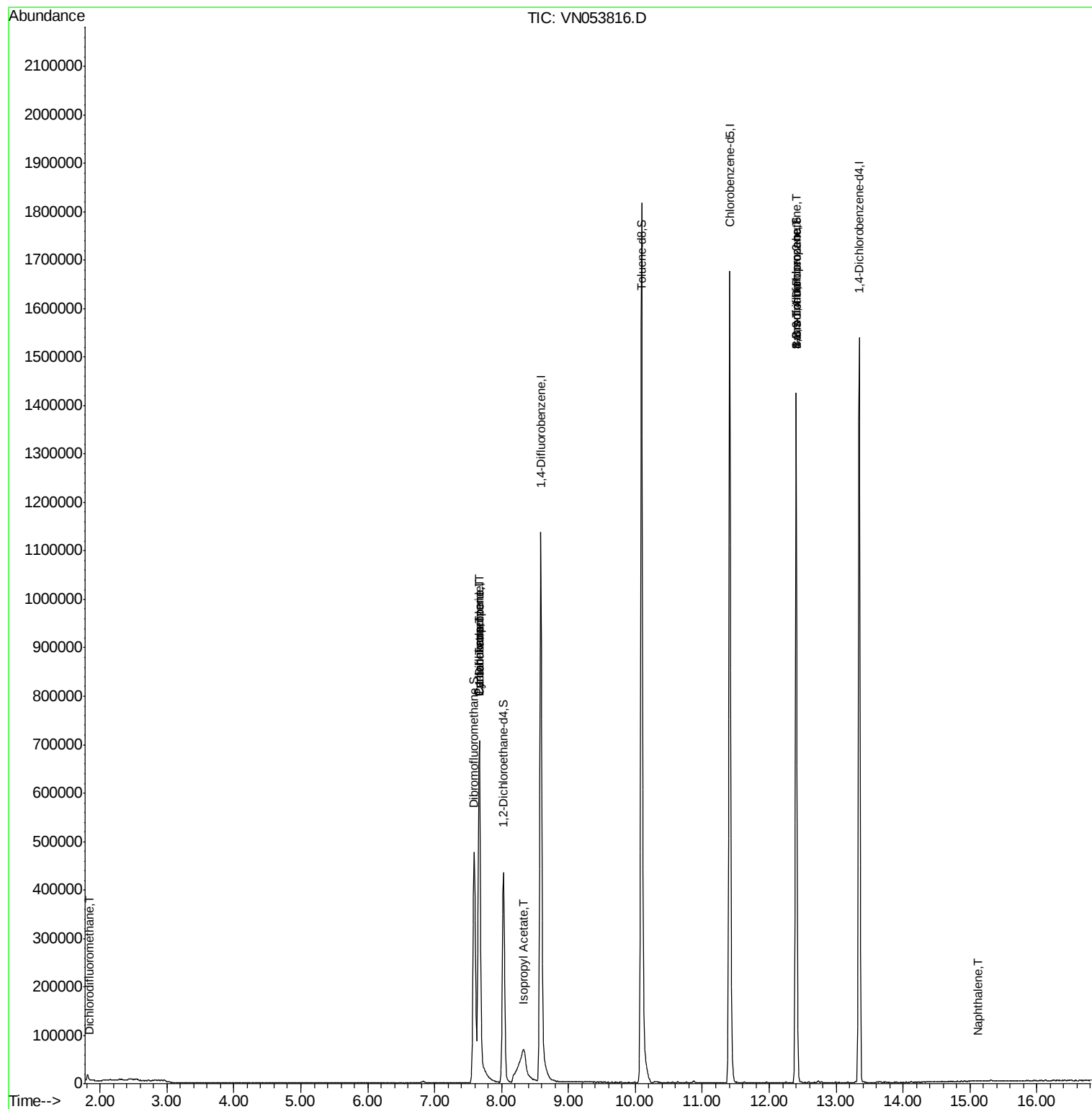
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	382	0.385	ug/l #	42
31) Cyclohexane	7.67	56	10056	0.660	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	43572	4.016	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57690	5.279	ug/l #	16
43) Isopropyl Acetate	8.33	43	184752	15.789	ug/l #	51
71) Bromoform	12.40	173	3320	0.584	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	224981	38.697	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	224981	108.814	ug/l #	15
95) Naphthalene	15.13	128	1726	1.820	ug/l #	72

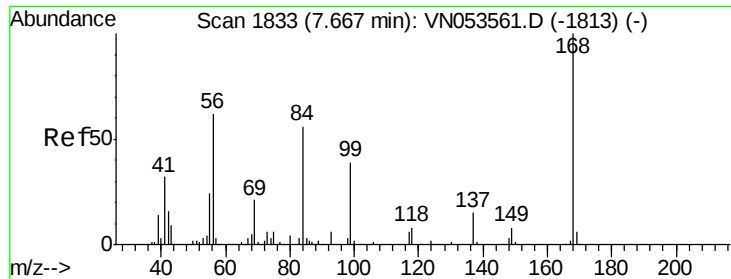
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

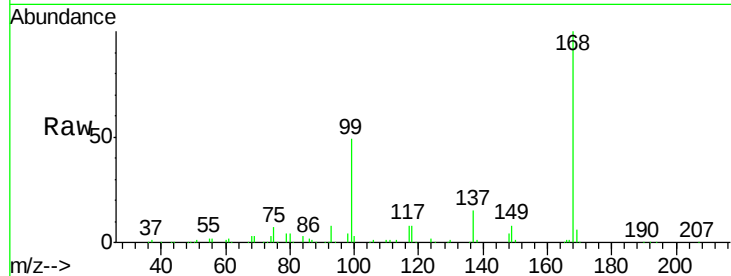
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 716485

Ion Ratio Lower Upper

168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

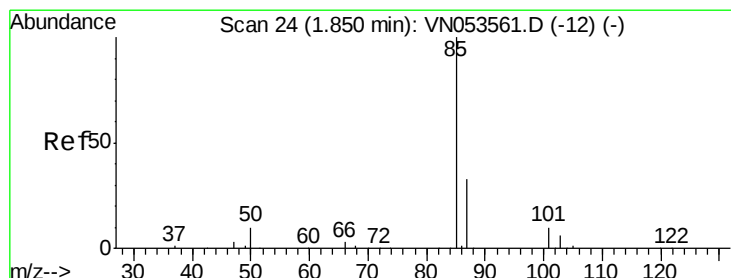
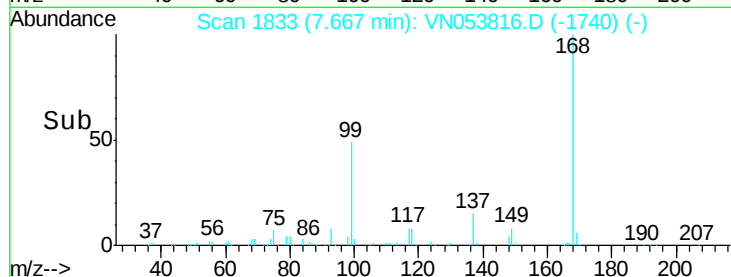
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.385 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.01 min

Lab File: VN053816.D

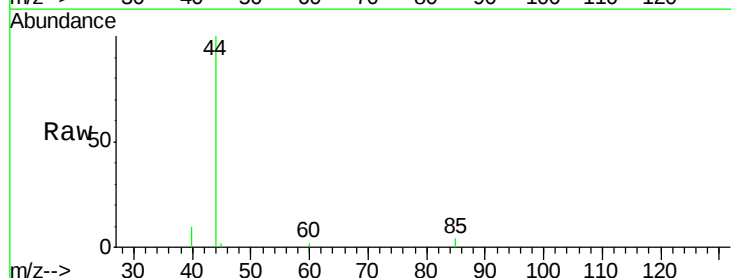
Acq: 15 Feb 2019 23:20

Tgt Ion: 85 Resp: 382

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

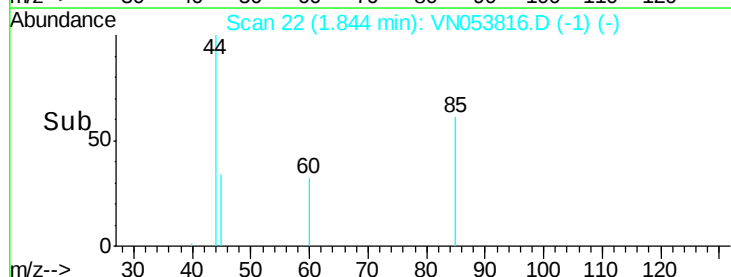
300

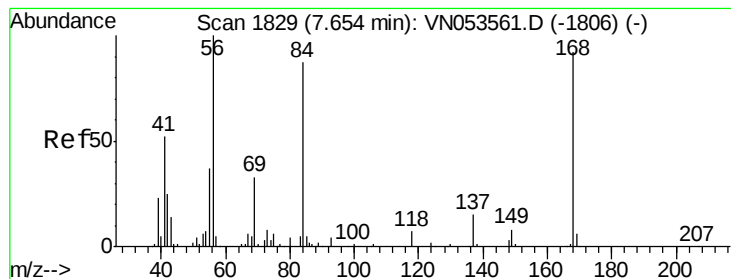
200

100

0

Time-->





#31

Cyclohexane

Concen: 0.660 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

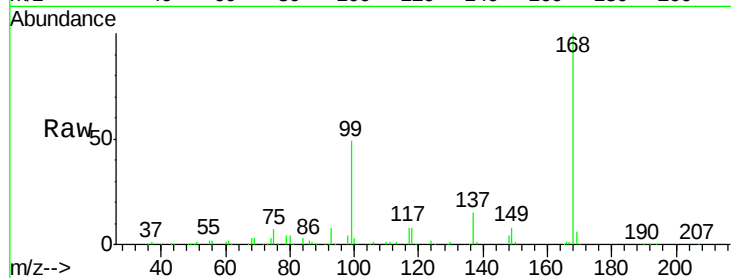
Tot Ion: 56 Resp: 10056

Ion Ratio Lower Upper

56 100

69 181.9 26.4 39.6#

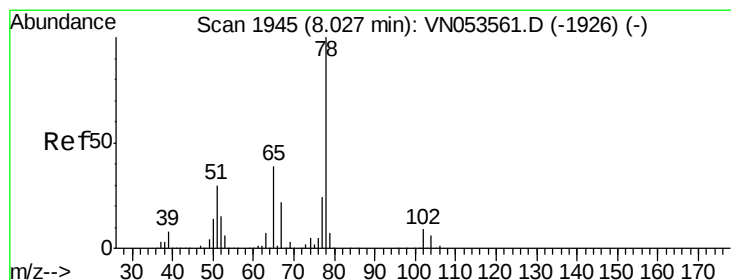
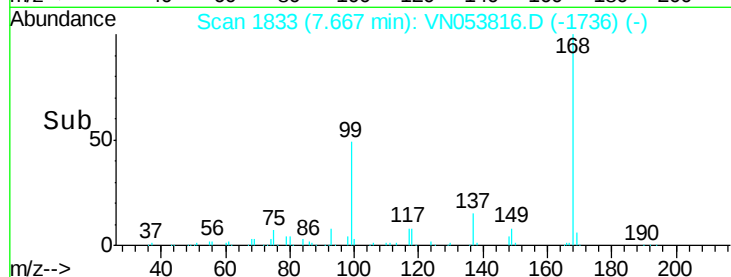
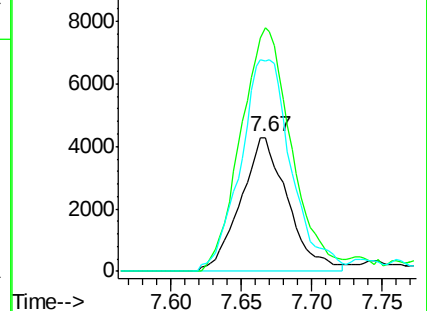
84 157.5 67.9 101.9#



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



#33

1,2-Dichloroethane-d4

Concen: 51.696 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053816.D

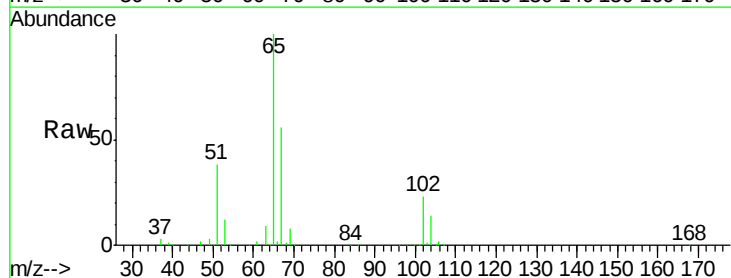
Acq: 15 Feb 2019 23:20

Tgt Ion: 65 Resp: 371574

Ion Ratio Lower Upper

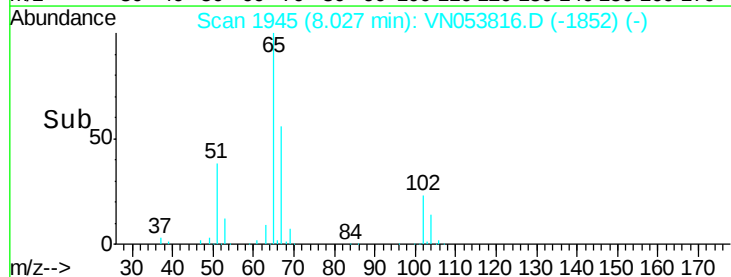
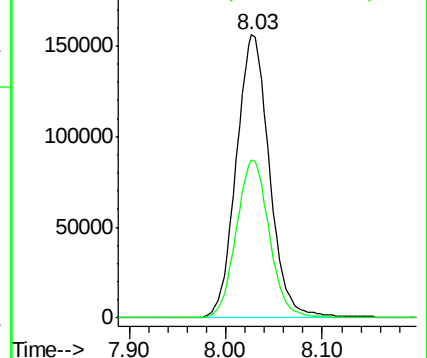
65 100

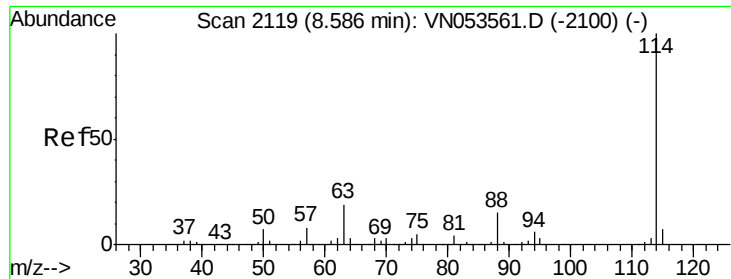
67 56.0 0.0 111.2



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: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

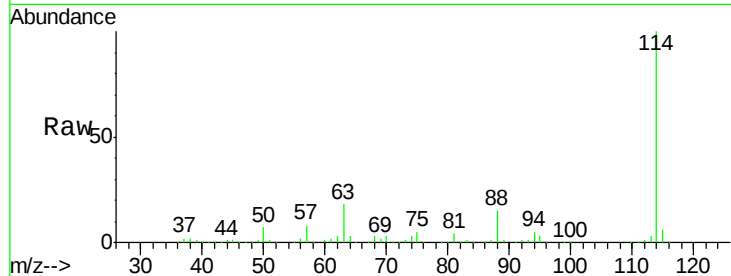
Tot Ion:114 Resp: 1203513

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.6

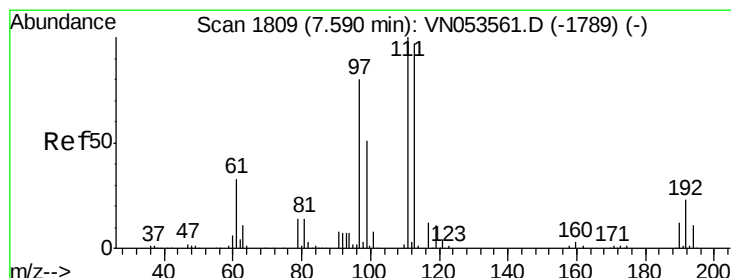
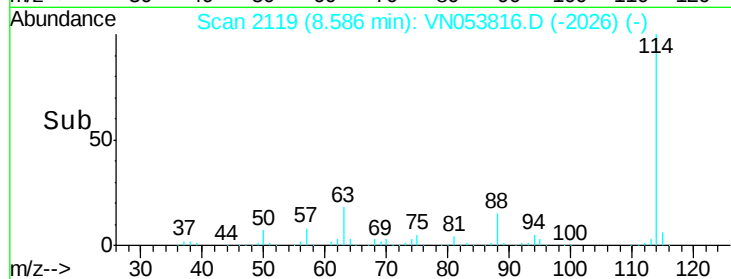
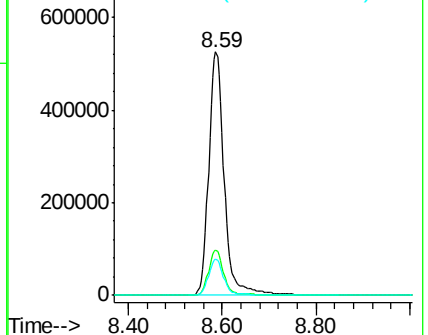
88 14.6 0.0 30.4



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: 49.491 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

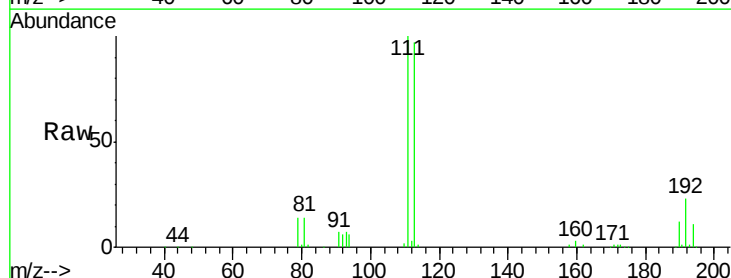
Tgt Ion:113 Resp: 376361

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

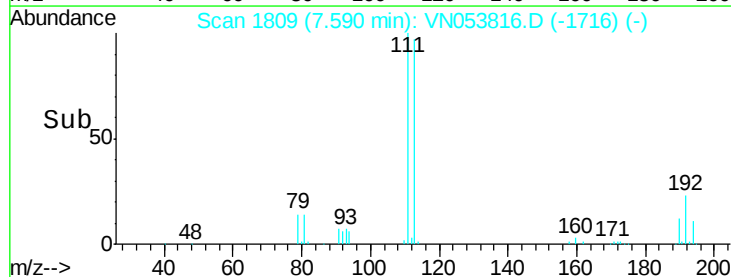
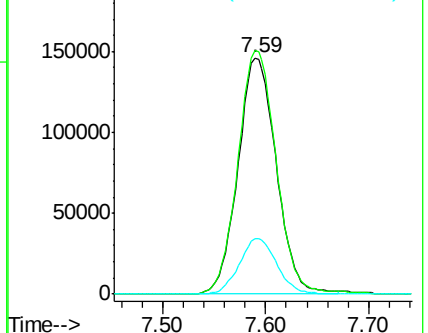
192 23.0 18.2 27.2

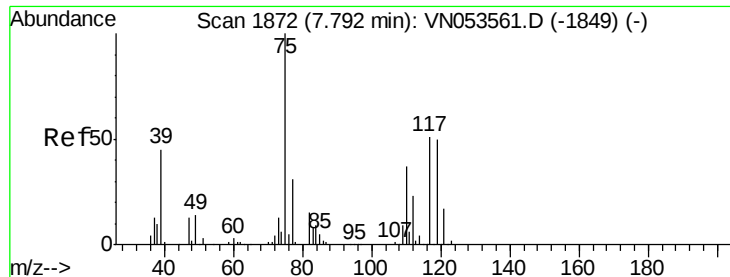


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

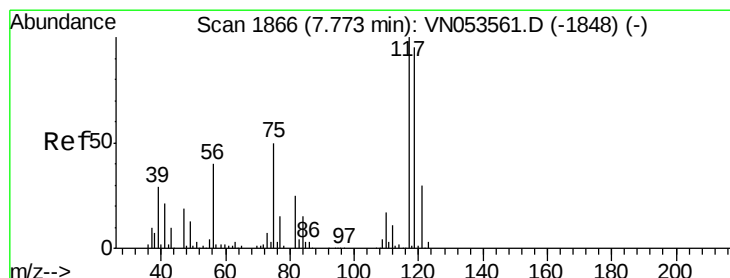
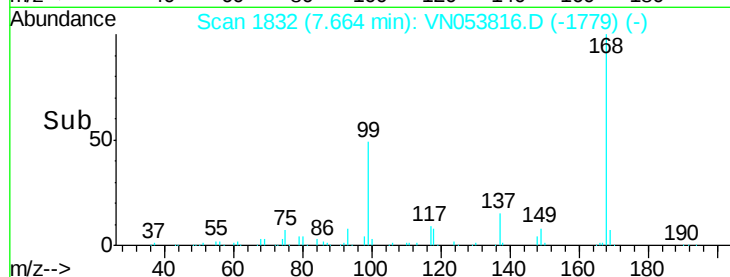
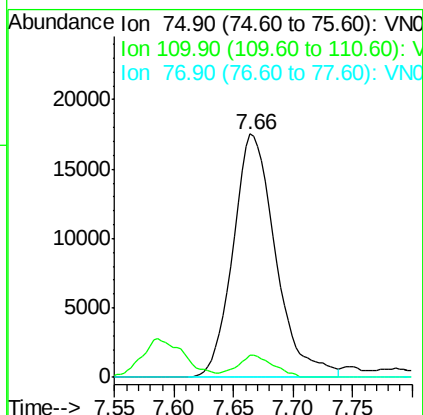
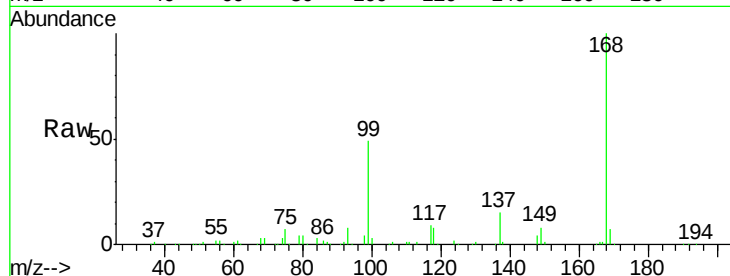




#36
 1,1-Dichloropropene
 Concen: 4.016 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053816.D
 Acq: 15 Feb 2019 23:20

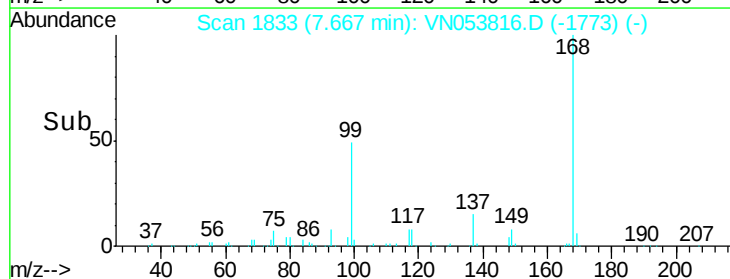
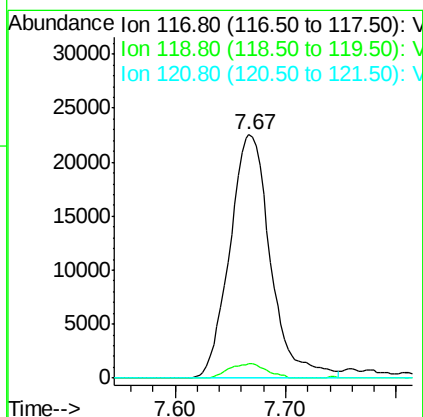
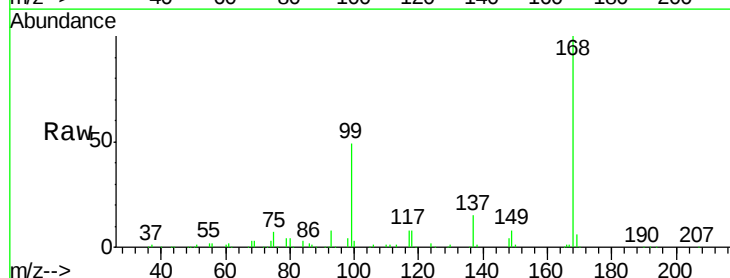
Instrument :
 MSVOA_N
 ClientSampleId :

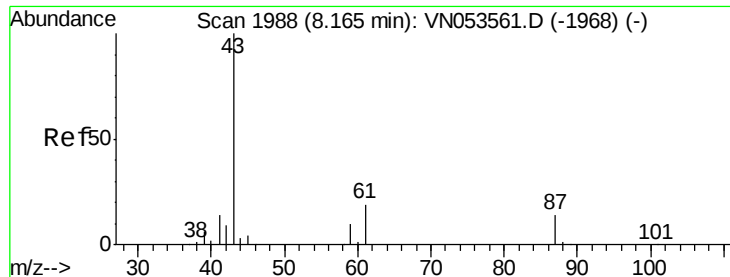
Tot Ion: 75 Resp: 43572
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.279 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053816.D
 Acq: 15 Feb 2019 23:20

Tgt Ion: 117 Resp: 57690
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 15.789 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

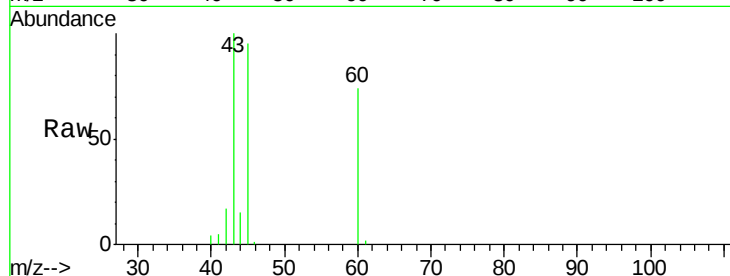
Tot Ion: 43 Resp: 184752

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

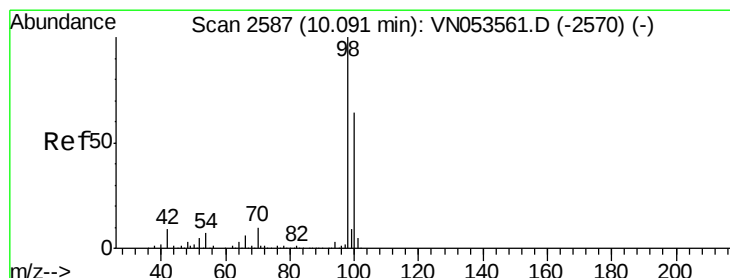
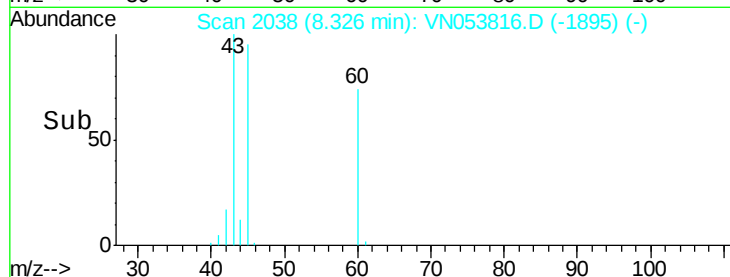
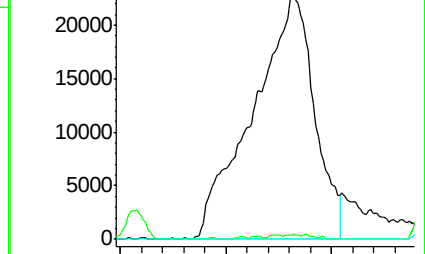
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN053816.D (-2038) (-)

Ion 61.00 (60.70 to 61.70): VN053816.D (-2038) (-)

Ion 87.00 (86.70 to 87.70): VN053816.D (-2038) (-)



#50

Toluene-d8

Concen: 50.716 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053816.D

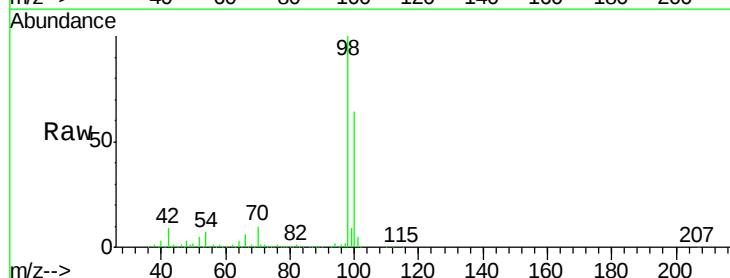
Acq: 15 Feb 2019 23:20

Tgt Ion: 98 Resp: 1448132

Ion Ratio Lower Upper

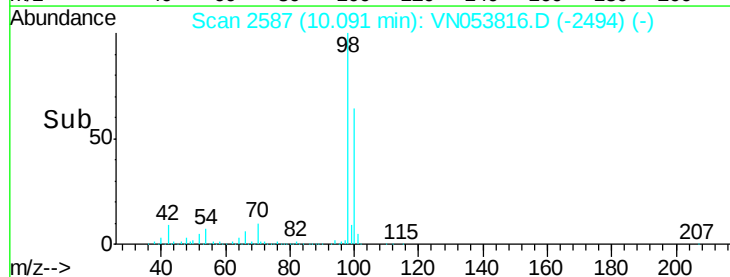
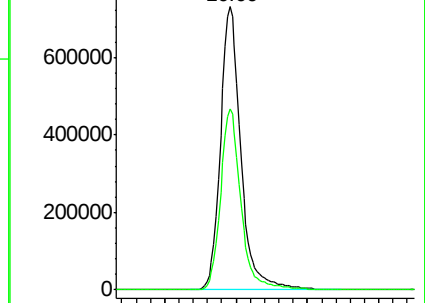
98 100

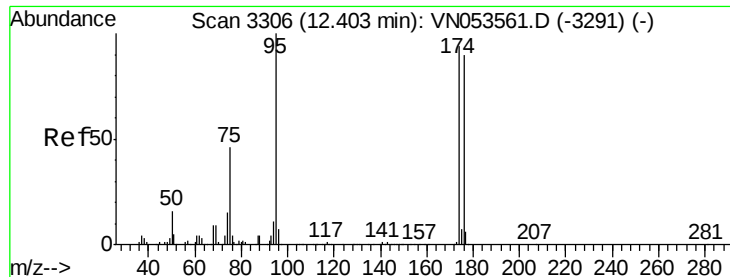
100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053816.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN053816.D (-2587) (-)





#62

4-Bromofluorobenzene

Concen: 50.916 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

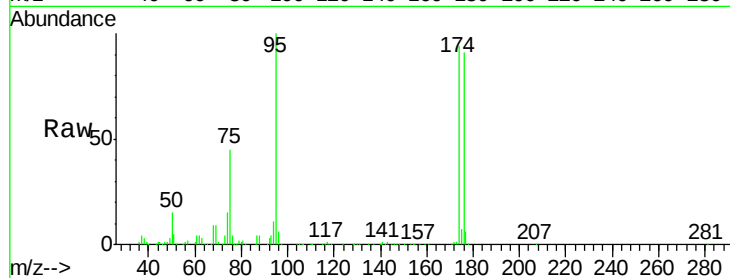
Tot Ion: 95 Resp: 484885

Ion Ratio Lower Upper

95 100

174 95.4 0.0 183.2

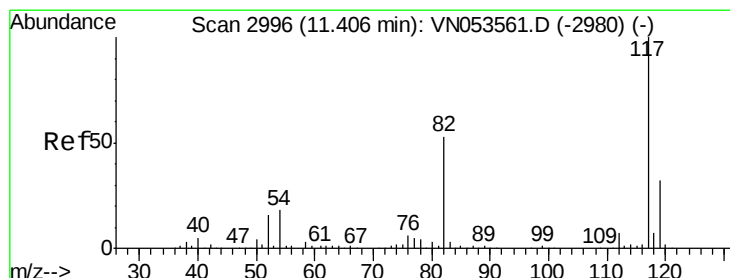
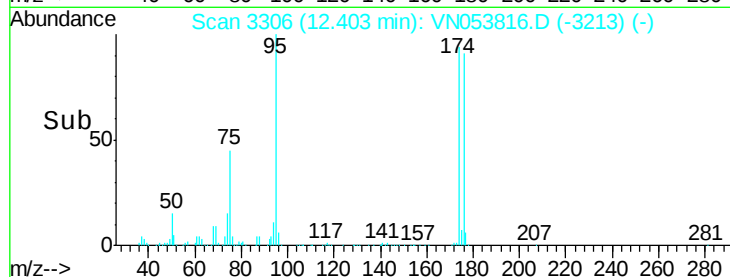
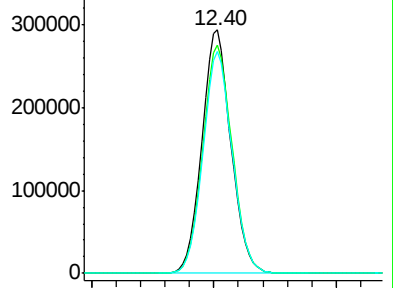
176 92.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053816.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053816.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053816.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

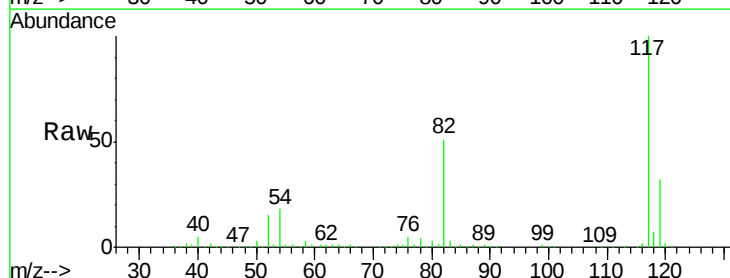
Tgt Ion: 117 Resp: 1117906

Ion Ratio Lower Upper

117 100

82 51.4 42.9 64.3

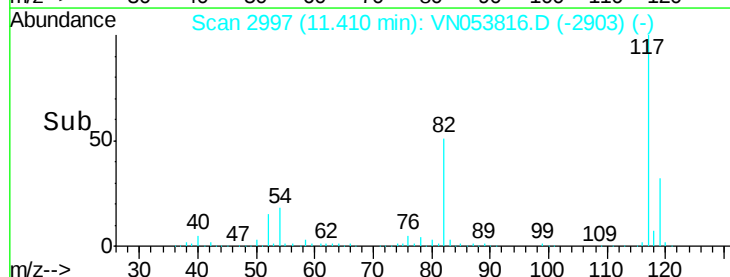
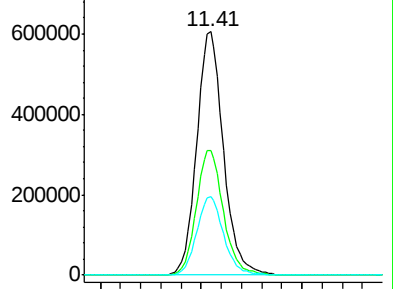
119 32.5 26.0 39.0

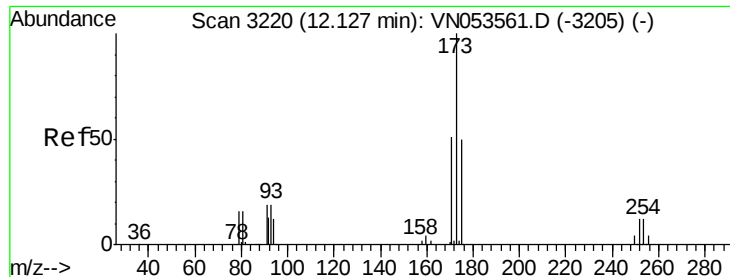


Abundance Ion 116.90 (116.60 to 117.60): VN053816.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053816.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053816.D (-2903) (-)





#71

Bromoform

Concen: 0.584 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

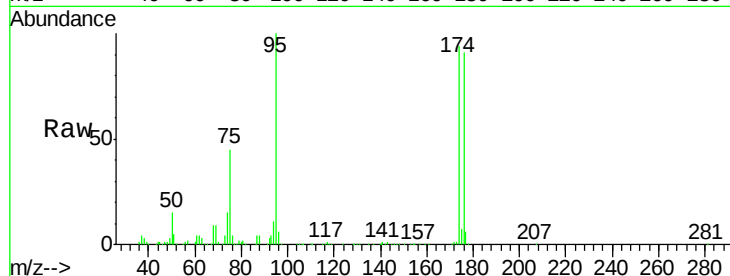
Tot Ion:173 Resp: 3320

Ion Ratio Lower Upper

173 100

175 874.8 24.6 74.0#

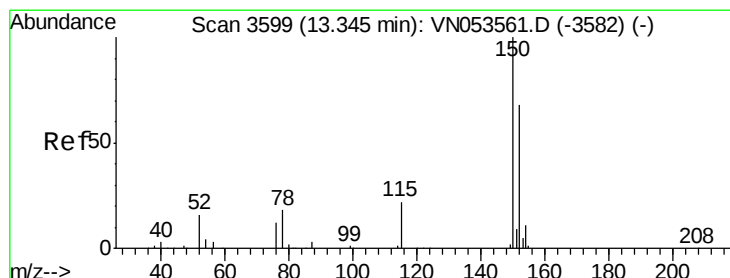
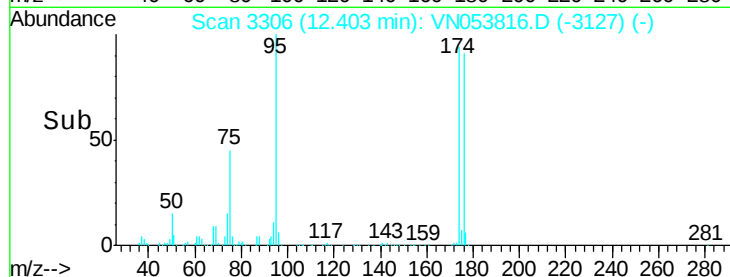
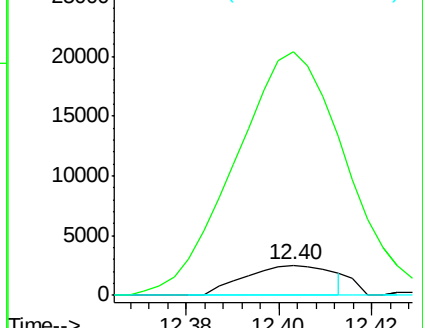
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

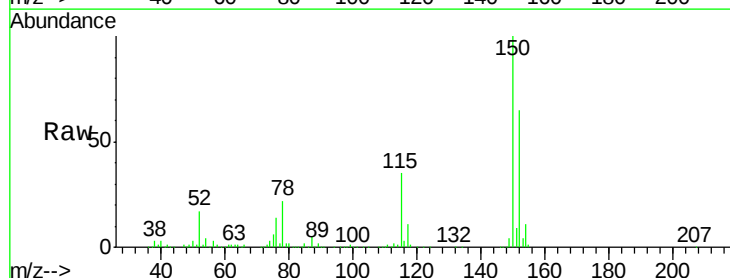
Tgt Ion:152 Resp: 452639

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

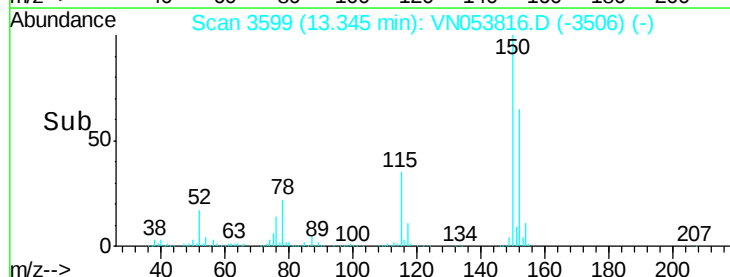
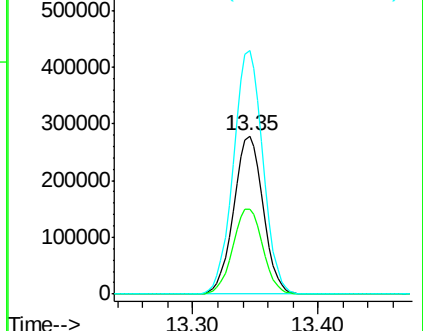
150 154.8 0.0 349.0

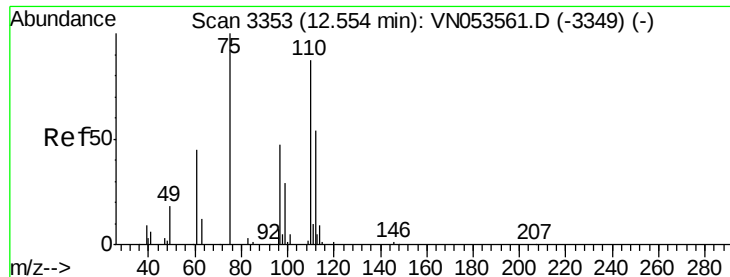


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.697 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

Instrument :

MSVOA_N

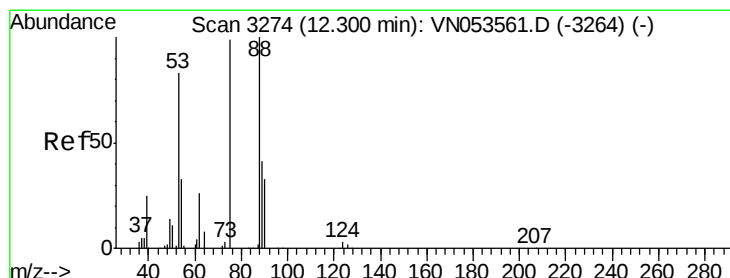
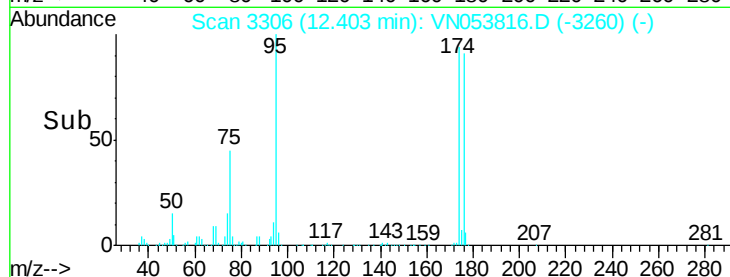
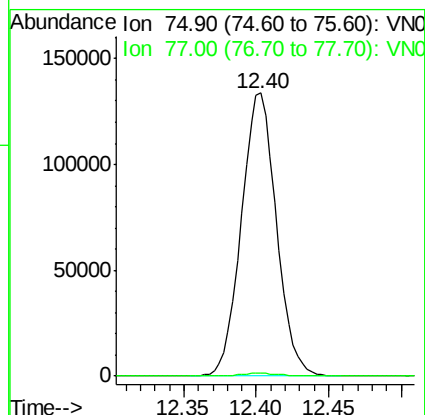
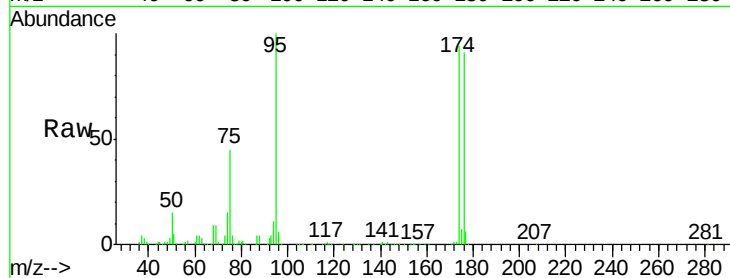
ClientSampleId :

Tot Ion: 75 Resp: 224981

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.814 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053816.D

Acq: 15 Feb 2019 23:20

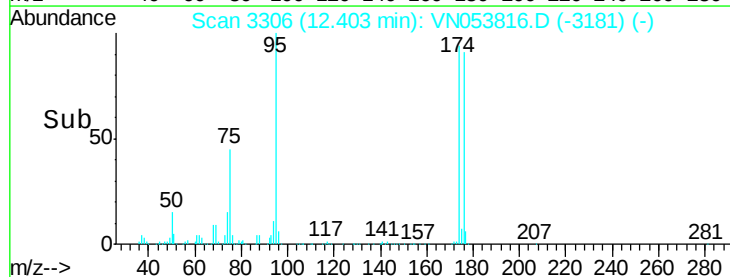
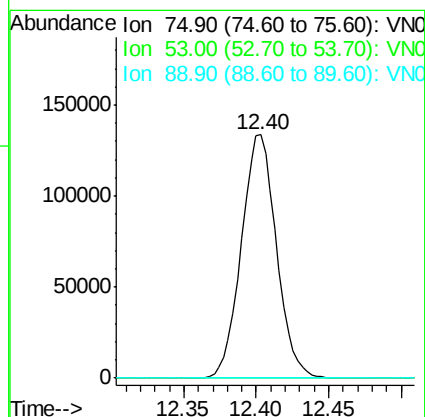
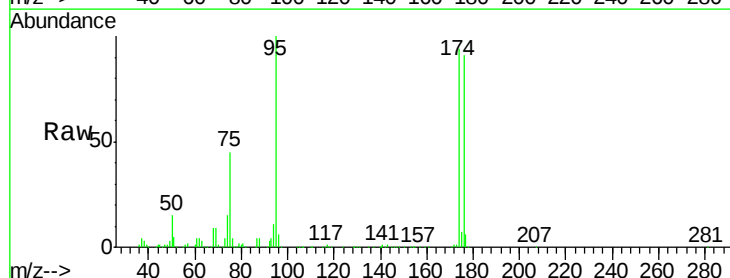
Tgt Ion: 75 Resp: 224981

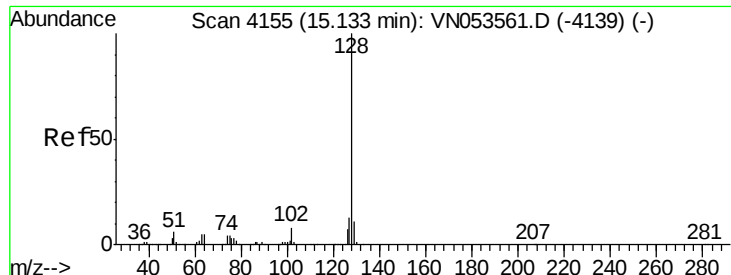
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

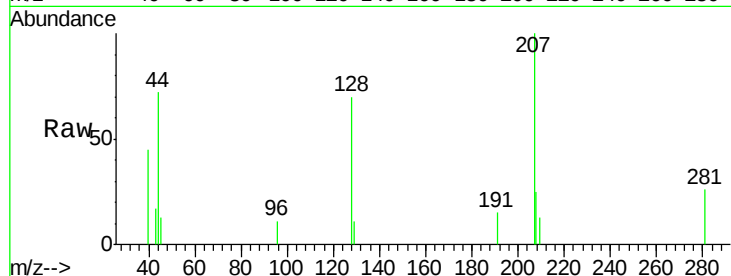




#95
 Naphthalene
 Concen: 1.820 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053816.D
 Acq: 15 Feb 2019 23:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:128 Resp: 1726
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 1.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

