

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053469.D
 Acq On : 18 Jan 2019 13:54
 Operator : JC/SP
 Sample : VN0118WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBL02

Quant Time: Jan 19 00:21:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1401250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1311624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	567408	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	452941	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	7.59	113	413488	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.09	98	1733168	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	593305	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

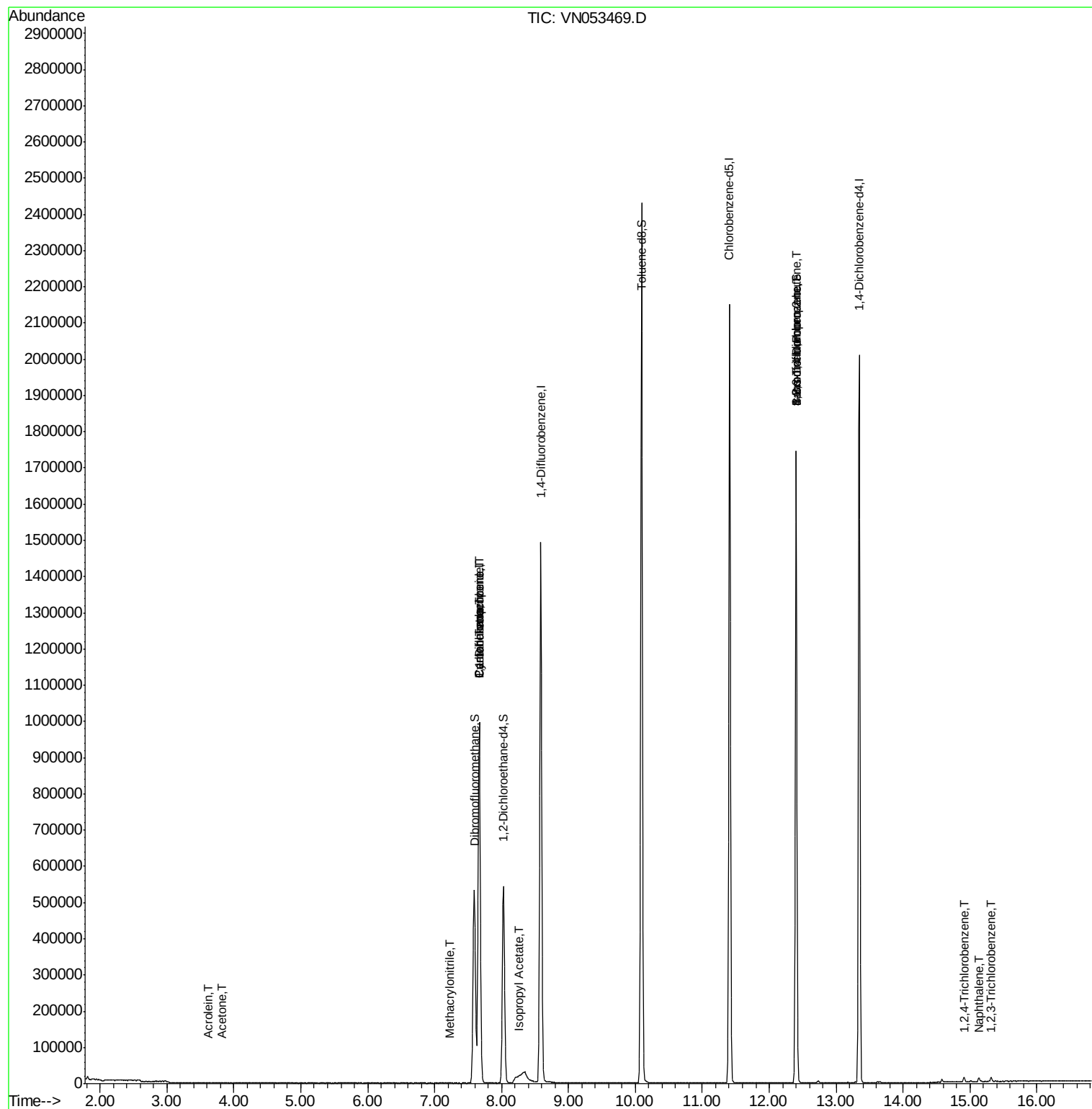
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	237	22.993	ug/l #	14
16) Acetone	3.82	43	508	0.245	ug/l #	41
31) Cyclohexane	7.67	56	14196	0.693	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	58295	4.568	ug/l #	48
38) Carbon Tetrachloride	7.66	117	77067	6.379	ug/l #	16
41) Methacrylonitrile	7.22	41	98	0.690	ug/l #	20
43) Isopropyl Acetate	8.25	43	22787	1.726	ug/l #	51
71) Bromoform	12.40	173	4302	0.647	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	280225	37.476	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	280225	92.572	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	4424	3.301	ug/l	95
95) Naphthalene	15.13	128	9176	4.555	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	5287	4.756	ug/l	98

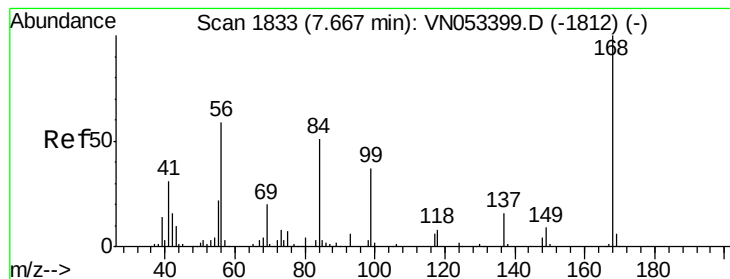
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 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: VN053469.D

Acq: 18 Jan 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

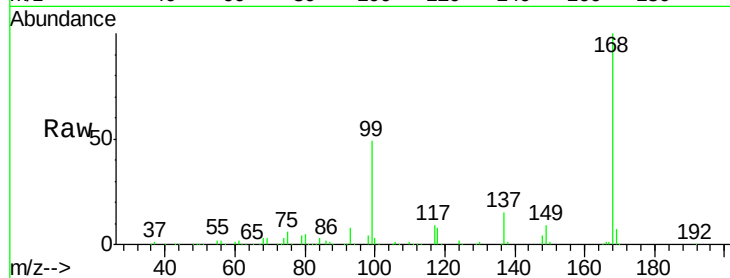
VN0118WBL02

Tot Ion:168 Resp: 894112

Ion Ratio Lower Upper

168 100

99 48.6 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

400000

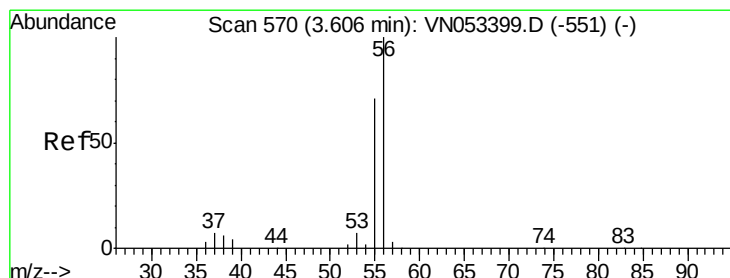
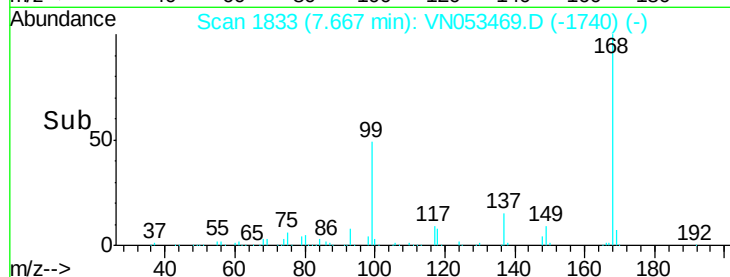
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 22.993 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053469.D

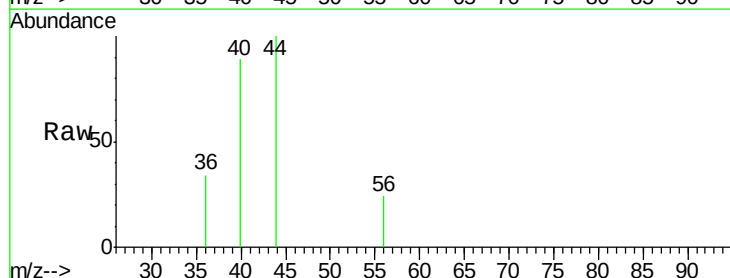
Acq: 18 Jan 2019 13:54

Tgt Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

200

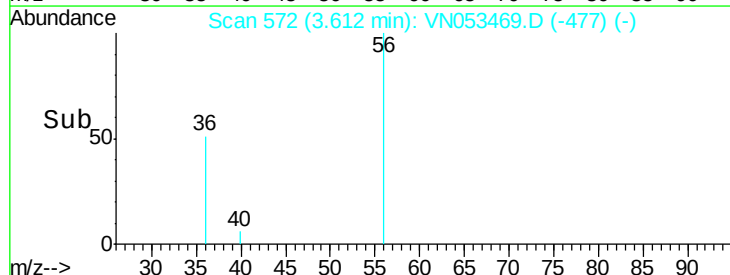
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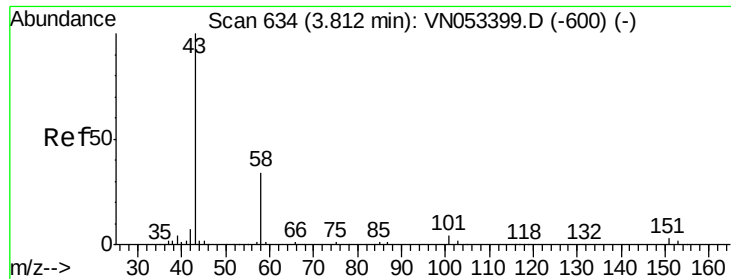
100

50

0

Time-->





#16

Acetone

Concen: 0.245 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

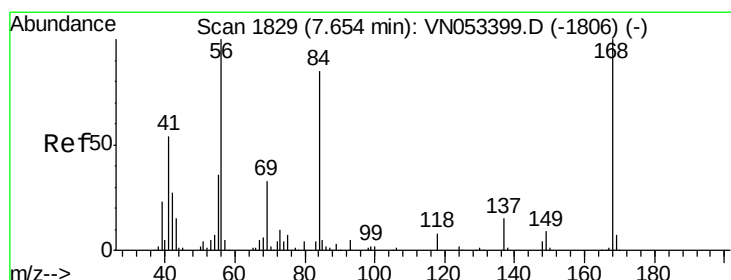
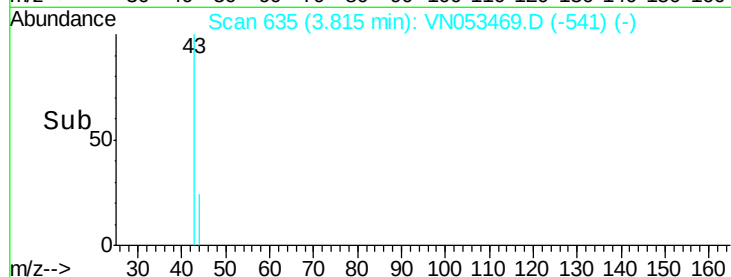
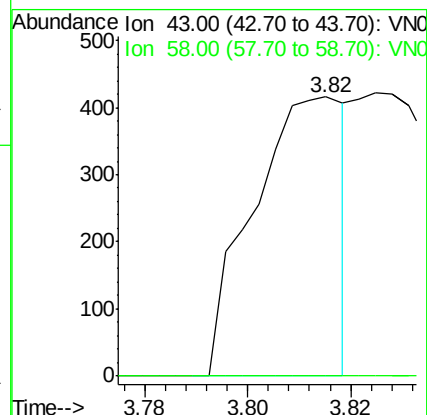
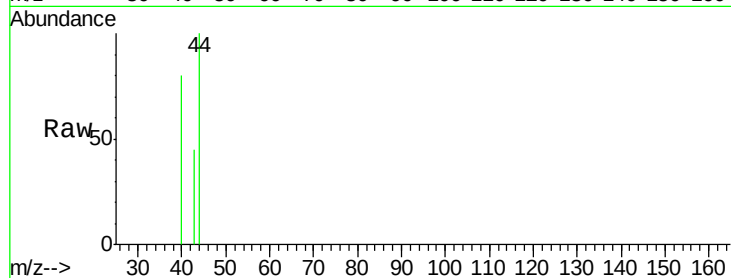
VN0118WBL02

Tot Ion: 43 Resp: 508

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#31

Cyclohexane

Concen: 0.693 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

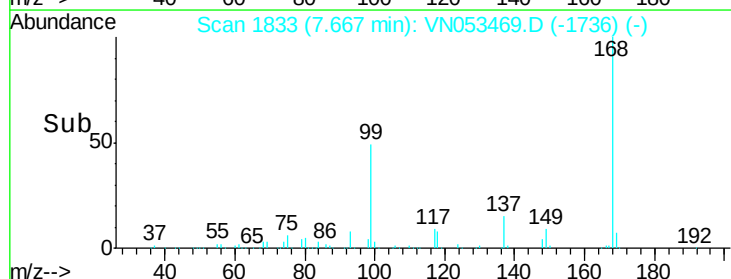
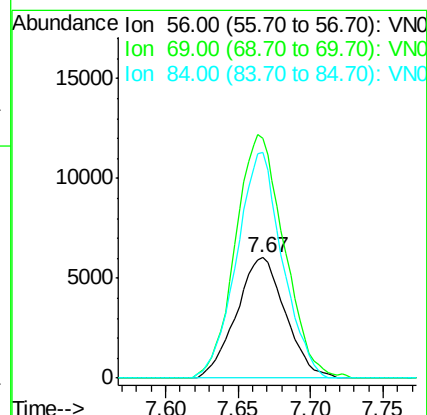
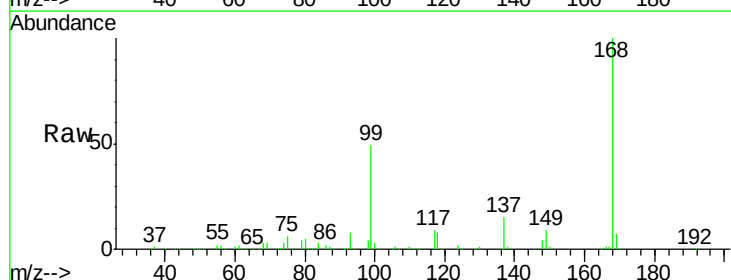
Tgt Ion: 56 Resp: 14196

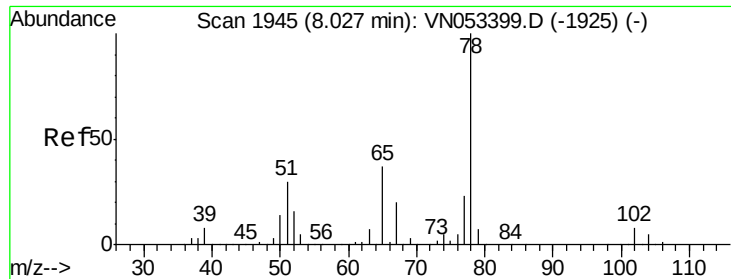
Ion Ratio Lower Upper

56 100

69 199.7 26.4 39.6#

84 188.1 67.9 101.9#

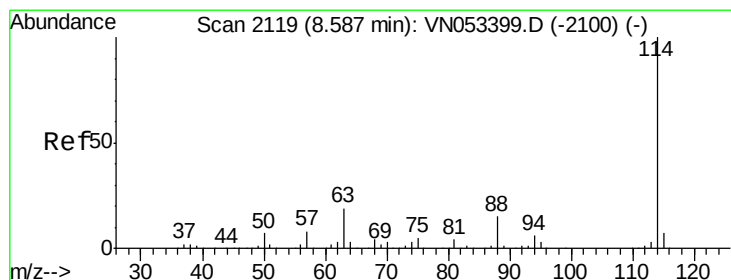
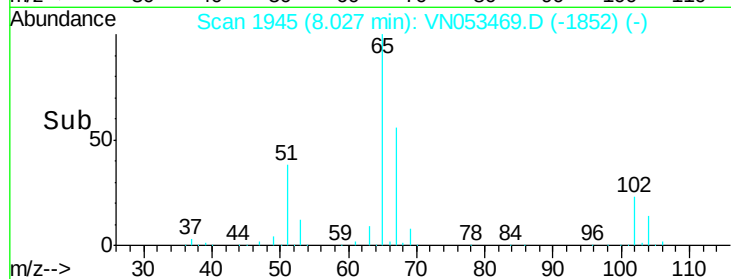
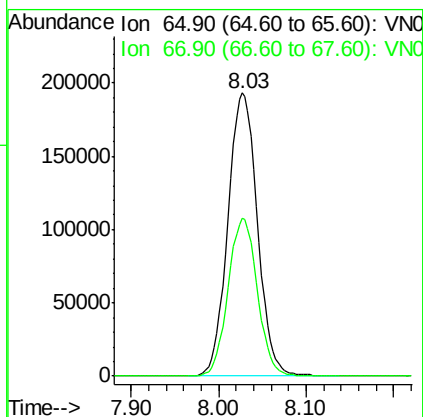
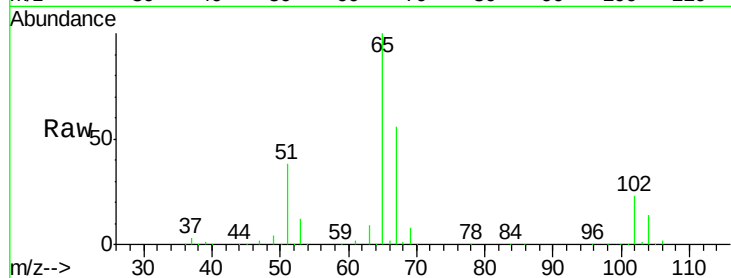




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

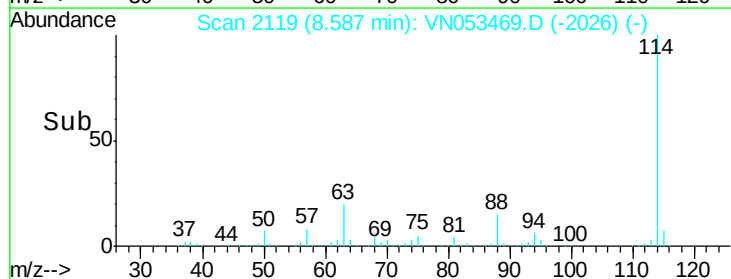
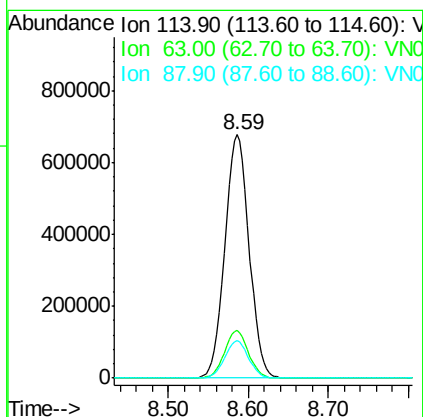
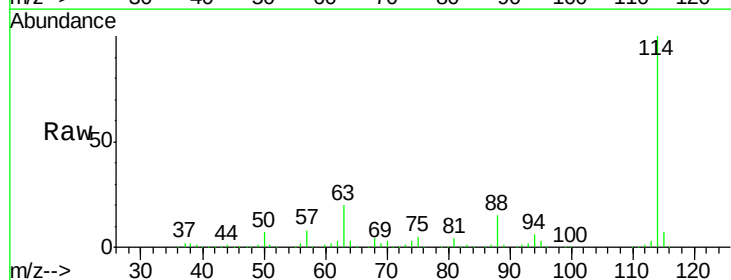
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBL02

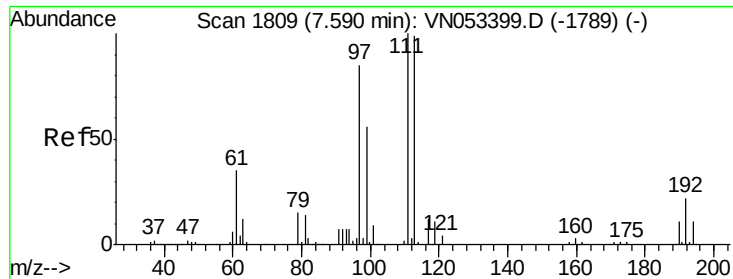
Tot Ion: 65 Resp: 452941
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

Tgt Ion: 114 Resp: 1401250
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.3 0.0 30.4

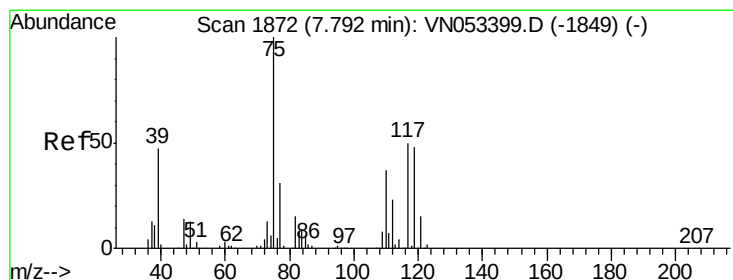
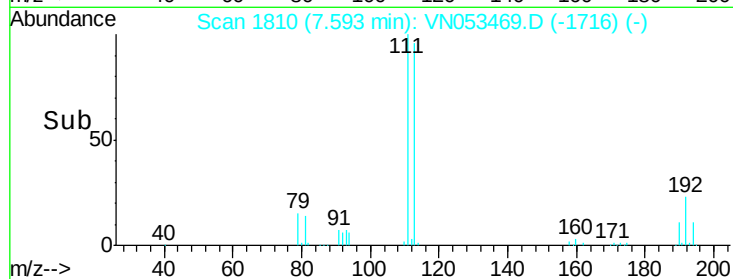
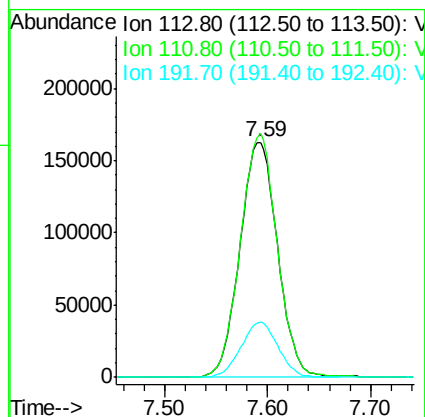
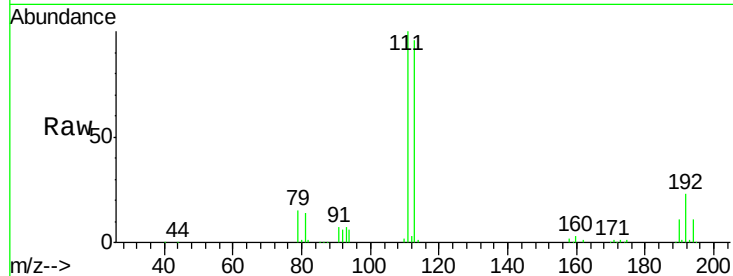




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

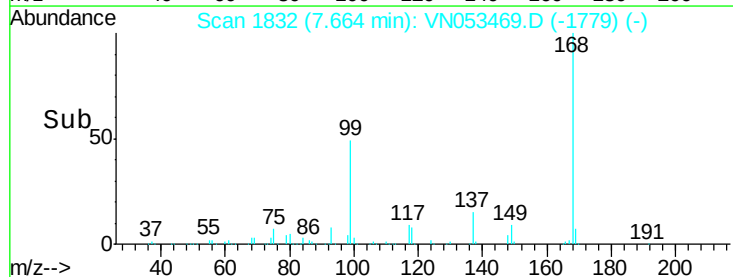
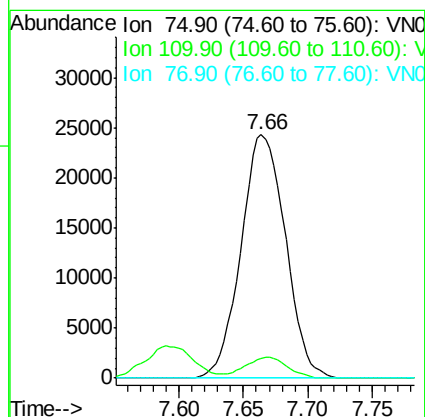
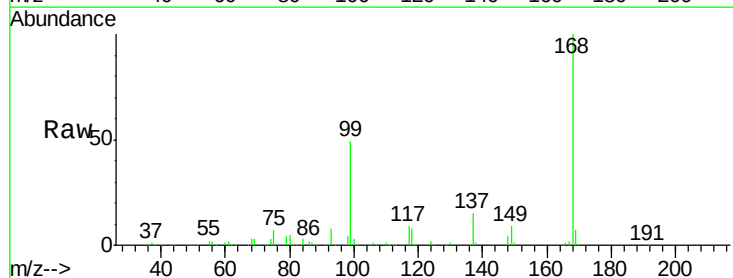
Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBL02

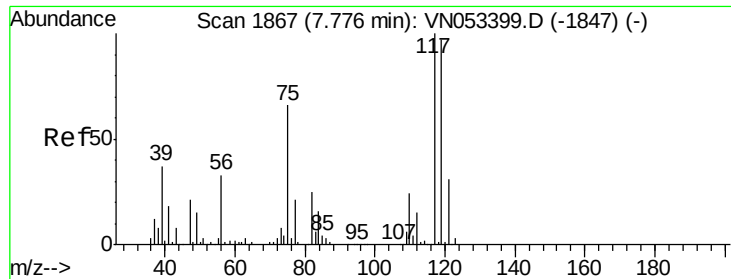
Tot Ion:113 Resp: 413488
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 23.1 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

Tgt Ion: 75 Resp: 58295
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.379 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBL02

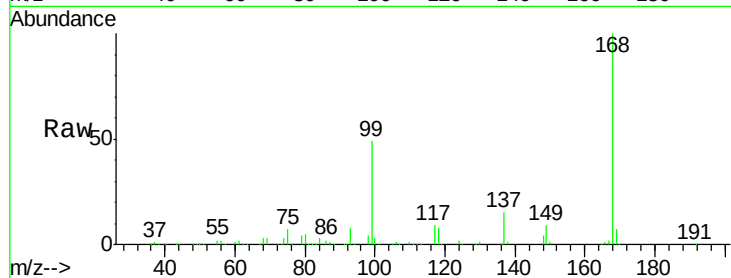
Tot Ion:117 Resp: 77067

Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

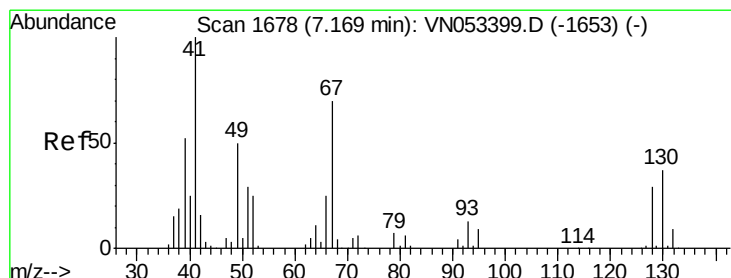
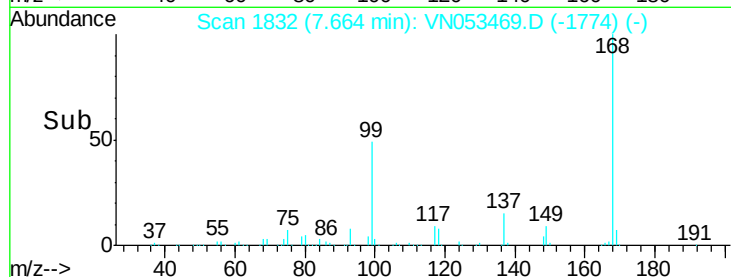
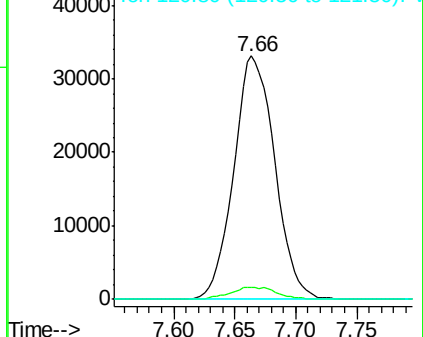
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.690 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

Tgt Ion: 41 Resp: 98

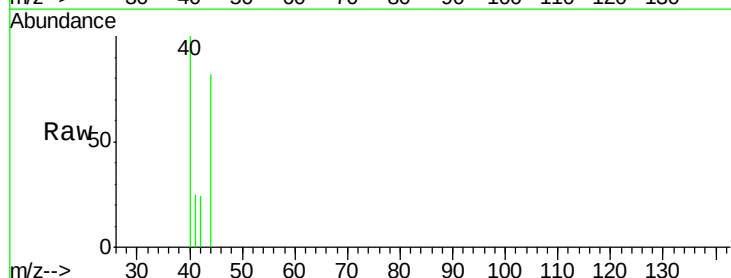
Ion Ratio Lower Upper

41 100

39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

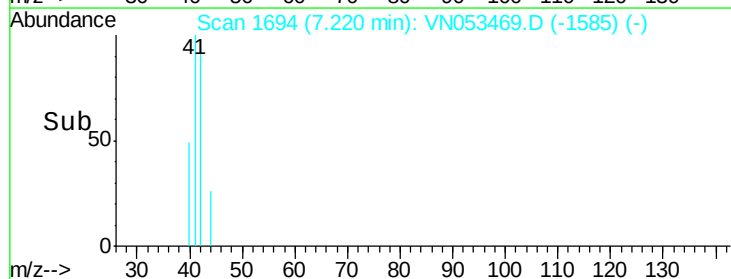
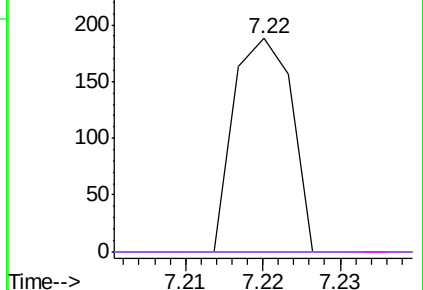


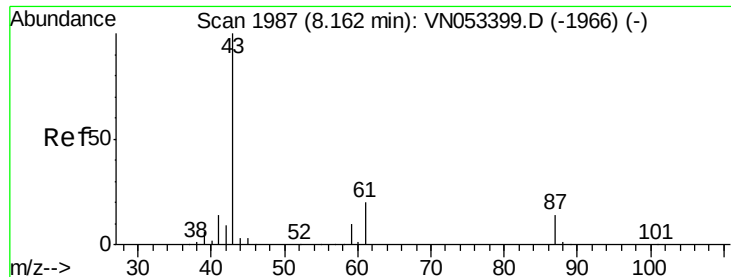
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 1.726 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBL02

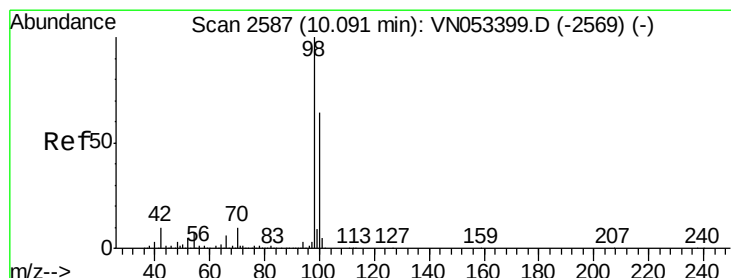
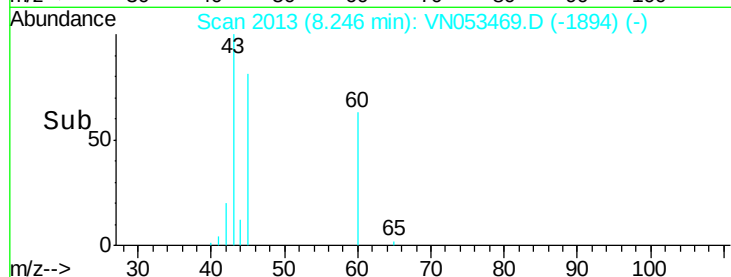
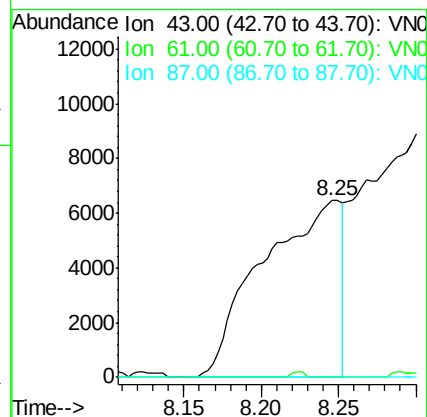
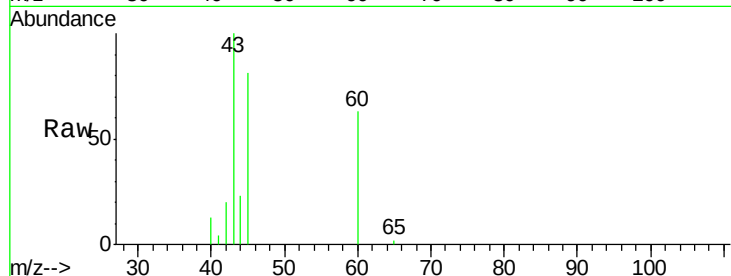
Tot Ion: 43 Resp: 22787

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053469.D

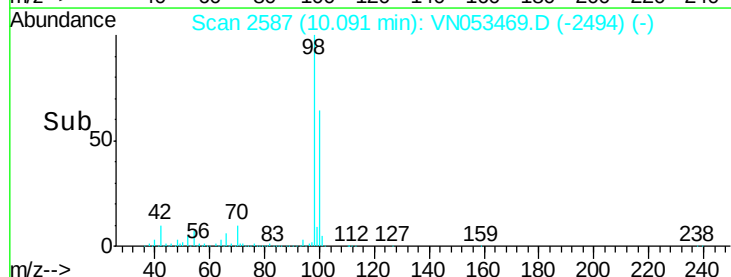
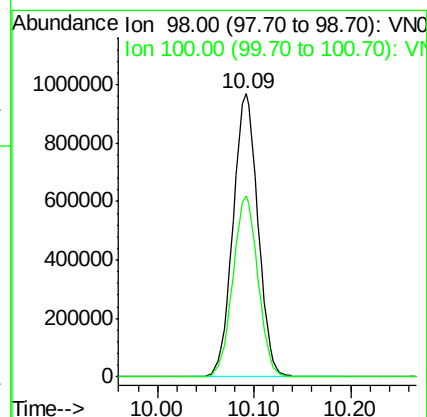
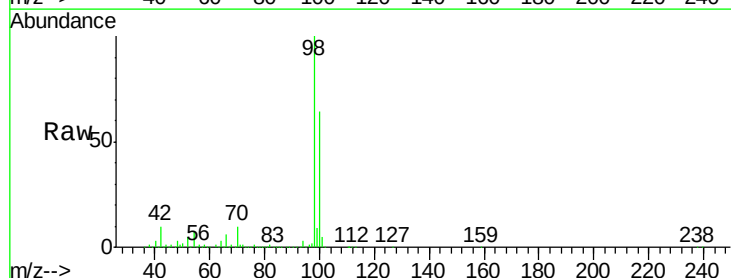
Acq: 18 Jan 2019 13:54

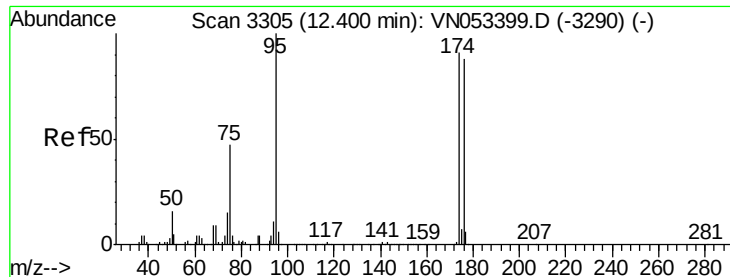
Tgt Ion: 98 Resp: 1733168

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBL02

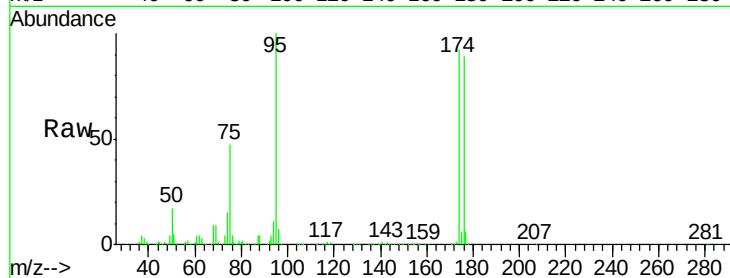
Tot Ion: 95 Resp: 593305

Ion Ratio Lower Upper

95 100

174 91.9 0.0 183.2

176 89.2 0.0 177.4

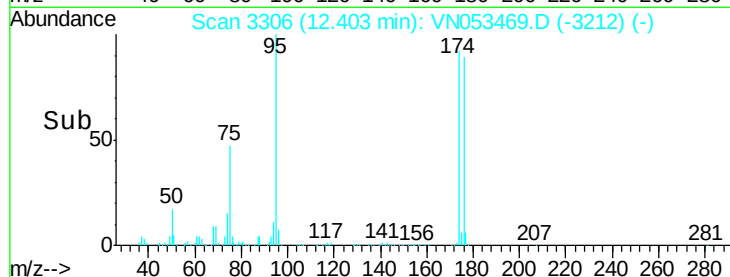


Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)

Time-->



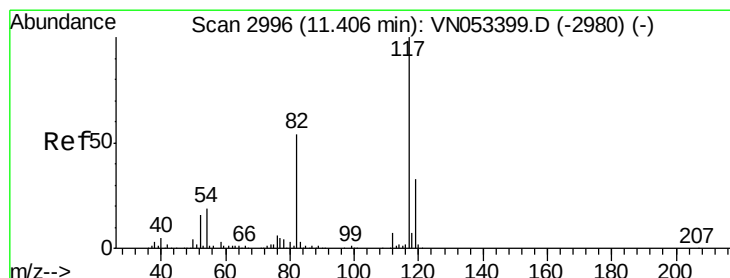
Abundance

Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

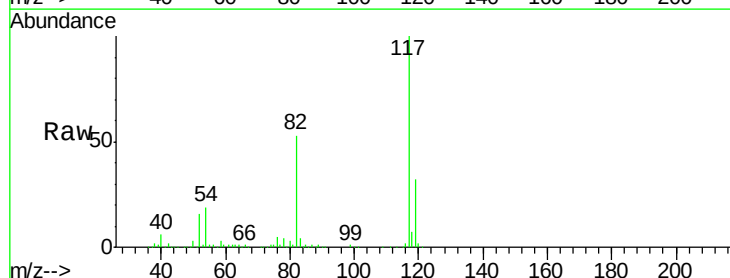
Tgt Ion: 117 Resp: 1311624

Ion Ratio Lower Upper

117 100

82 52.9 42.9 64.3

119 31.8 26.0 39.0

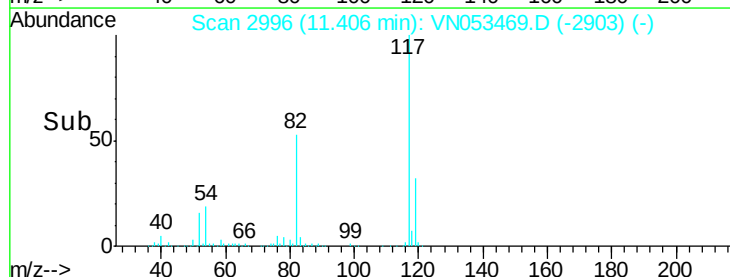


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

Time-->



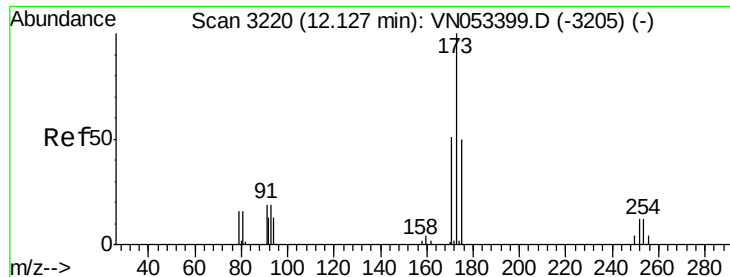
Abundance

Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

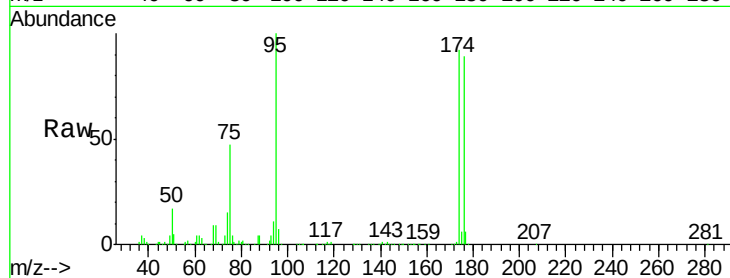
Time-->



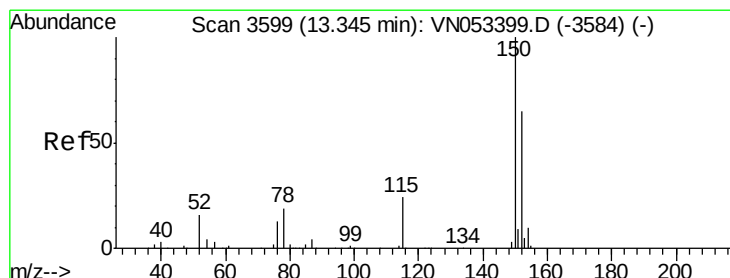
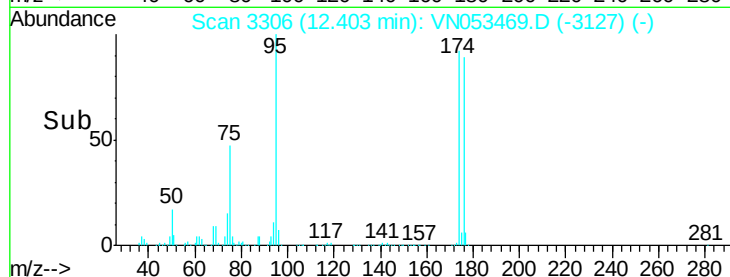
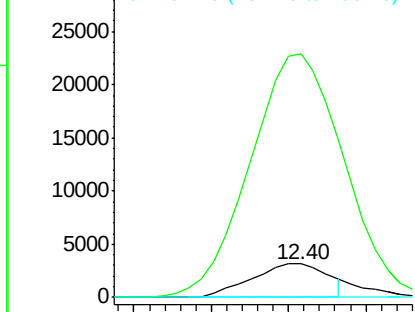
#71
Bromoform
Concen: 0.647 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053469.D
Acq: 18 Jan 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBL02

Tot Ion:173 Resp: 4302
Ion Ratio Lower Upper
173 100
175 772.2 24.6 74.0#
254 0.0 0.2 0.2#

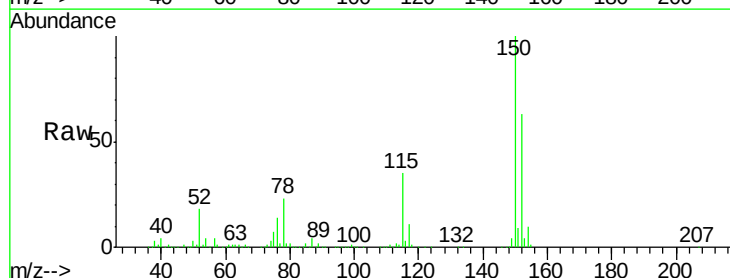


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

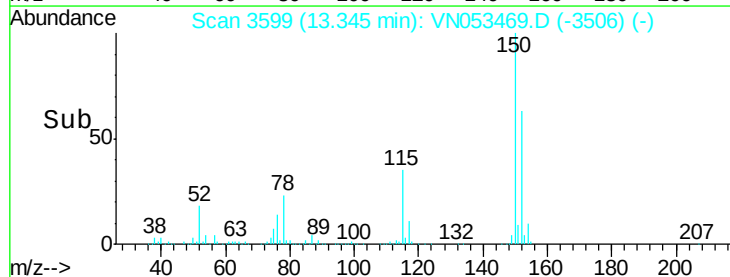
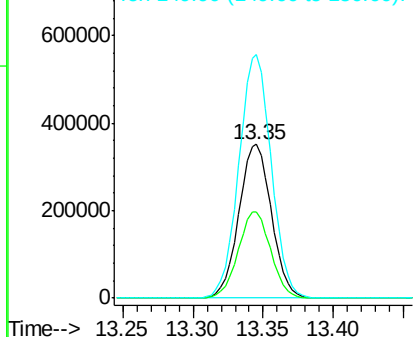


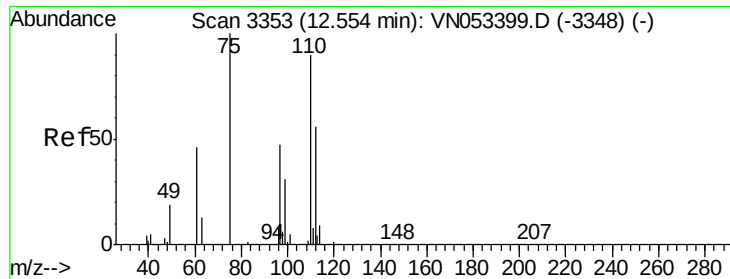
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053469.D
Acq: 18 Jan 2019 13:54

Tgt Ion:152 Resp: 567408
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 157.8 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: 37.476 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

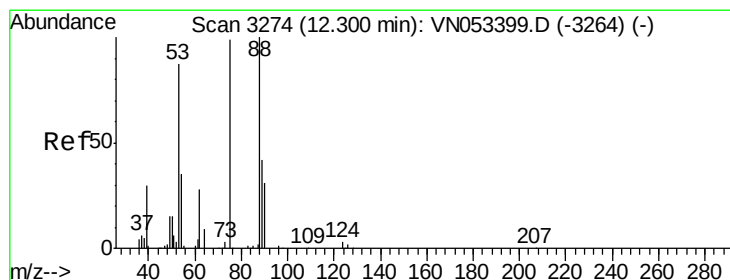
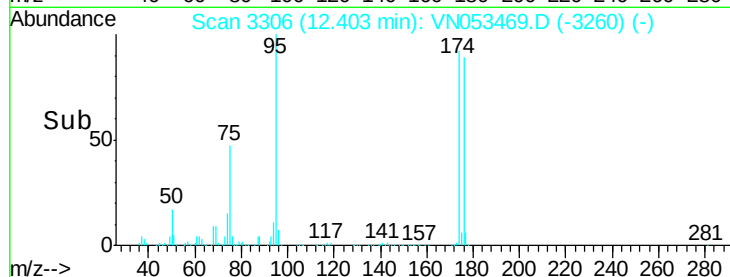
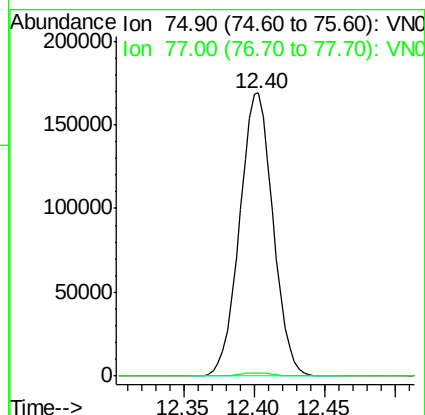
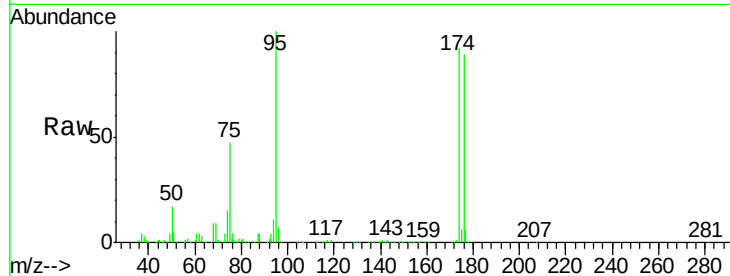
VN0118WBL02

Tot Ion: 75 Resp: 280225

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.572 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053469.D

Acq: 18 Jan 2019 13:54

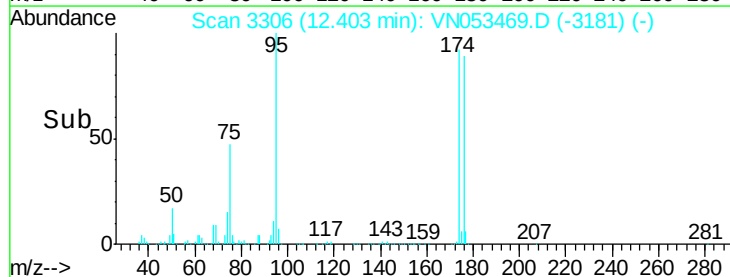
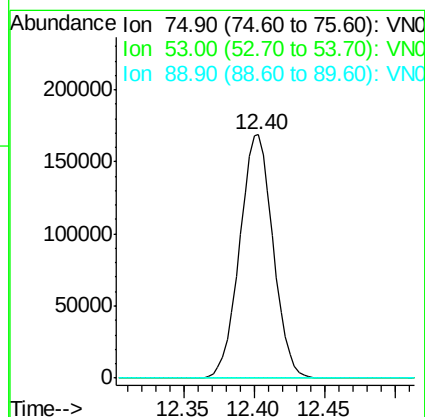
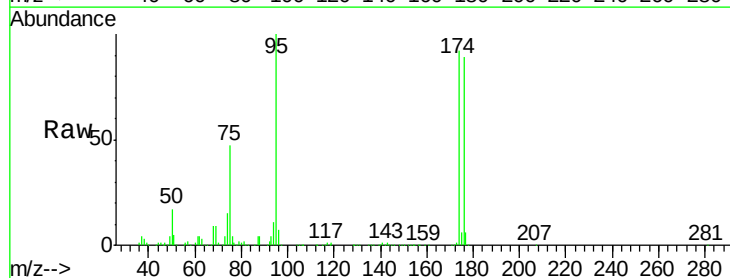
Tgt Ion: 75 Resp: 280225

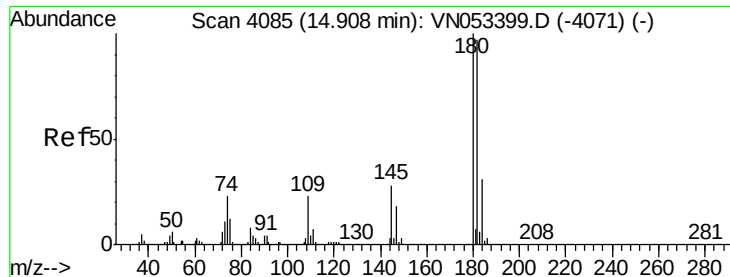
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

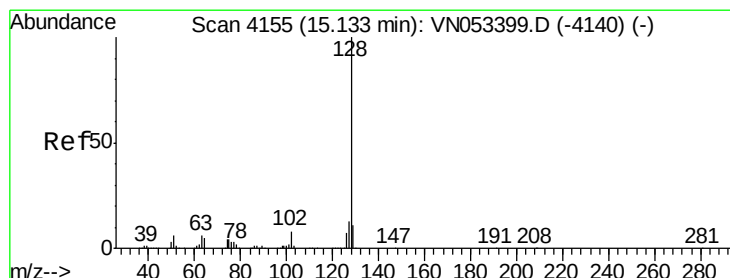
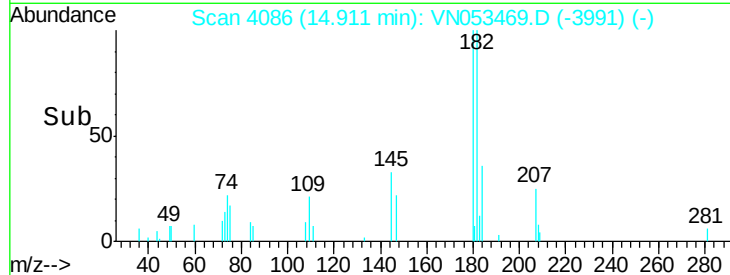
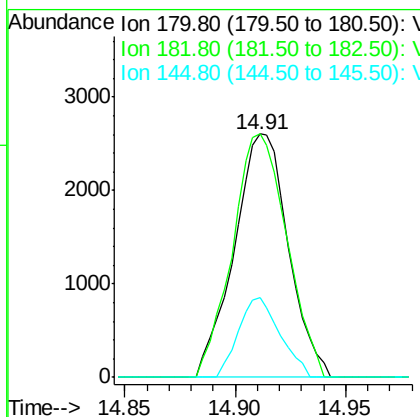
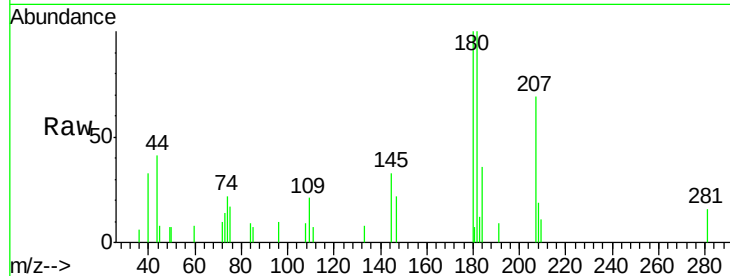




#93
 1,2,4-Trichlorobenzene
 Concen: 3.301 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

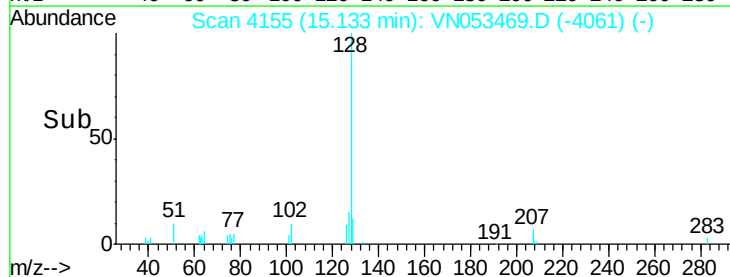
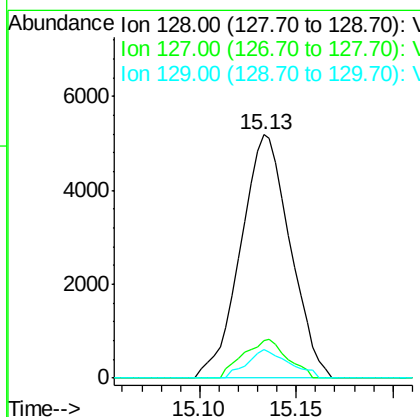
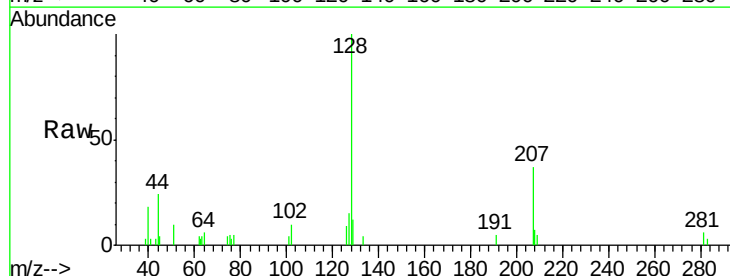
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBL02

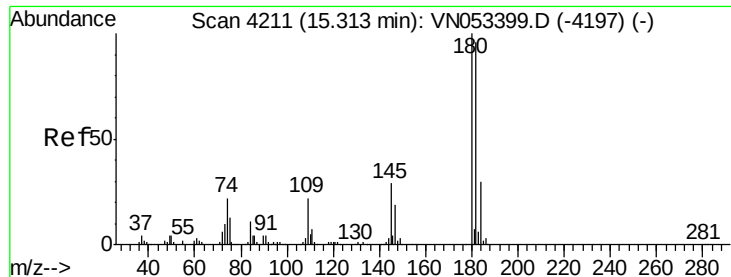
Tot Ion:180 Resp: 4424
 Ion Ratio Lower Upper
 180 100
 182 100.7 48.1 144.3
 145 25.3 13.9 41.6



#95
 Naphthalene
 Concen: 4.555 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

Tgt Ion:128 Resp: 9176
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.3 15.5
 129 9.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 4.756 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053469.D
 Acq: 18 Jan 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.8
145	26.8	14.7	44.1

