

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053478.D
 Acq On : 18 Jan 2019 17:57
 Operator : JC/SP
 Sample : K1199-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20190116

Quant Time: Jan 19 00:23:30 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	838747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1303318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1225190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	536257	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	420163	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	384638	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.09	98	1602126	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	554573	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

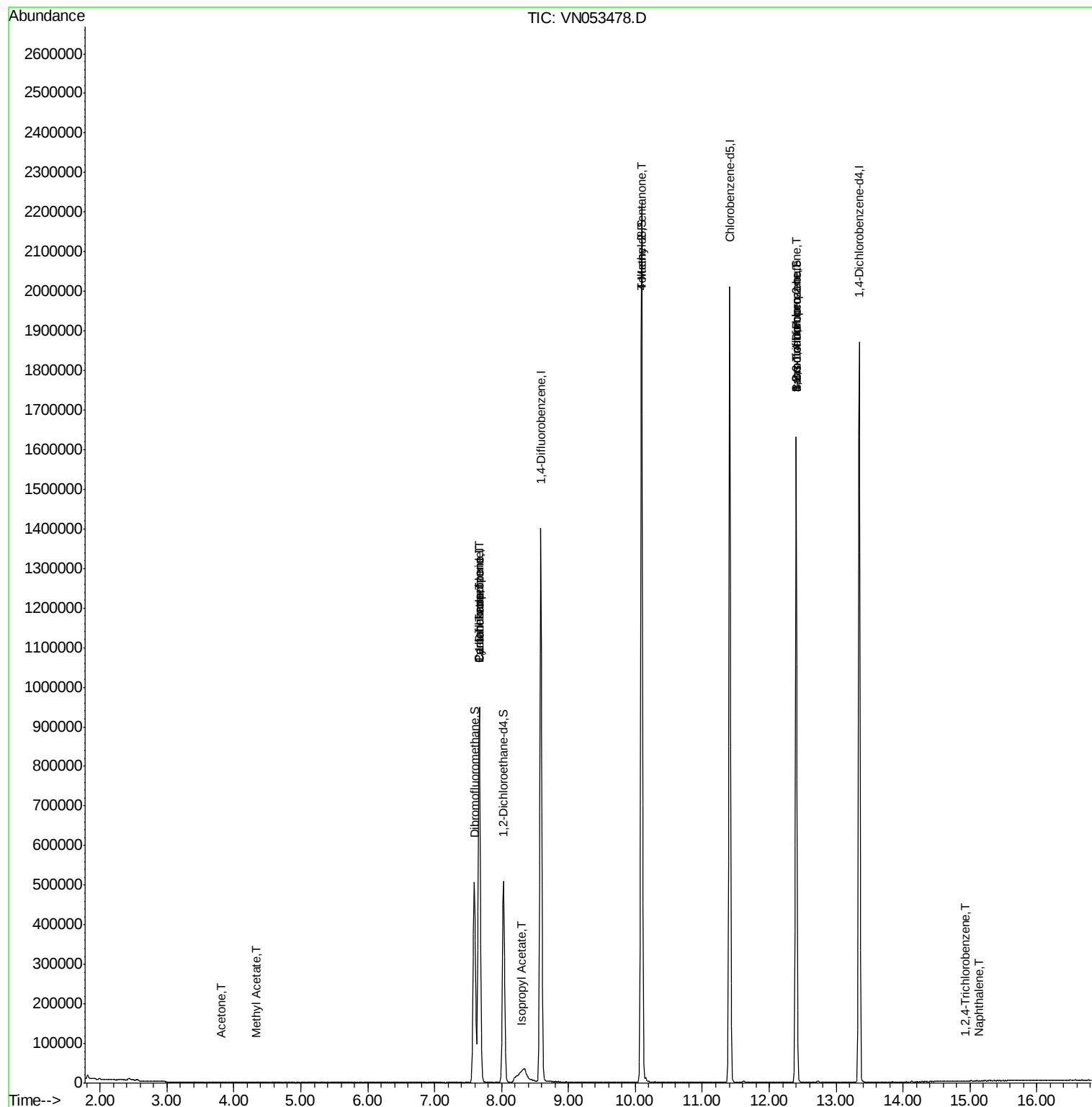
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	2307	1.186	ug/l #	73
18) Methyl Acetate	4.33	43	1466	0.224	ug/l #	51
31) Cyclohexane	7.66	56	13445	0.702	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	53139	4.477	ug/l #	49
38) Carbon Tetrachloride	7.67	117	70616	6.284	ug/l #	16
43) Isopropyl Acetate	8.30	43	48486	3.949	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	5697	0.850	ug/l #	1
71) Bromoform	12.40	173	3558	0.573	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	256969	36.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	256969	89.896	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	30	2.770	ug/l #	12
95) Naphthalene	15.14	128	390	3.966	ug/l #	69

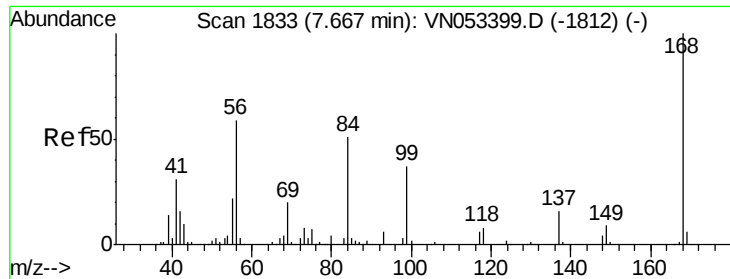
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011819\
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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: VN053478.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

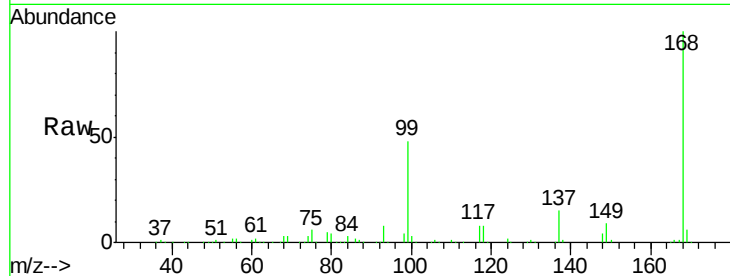
DUP02-20190116

Tot Ion:168 Resp: 838747

Ion Ratio Lower Upper

168 100

99 48.2 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

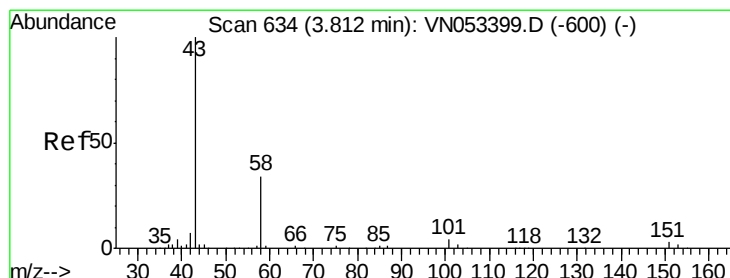
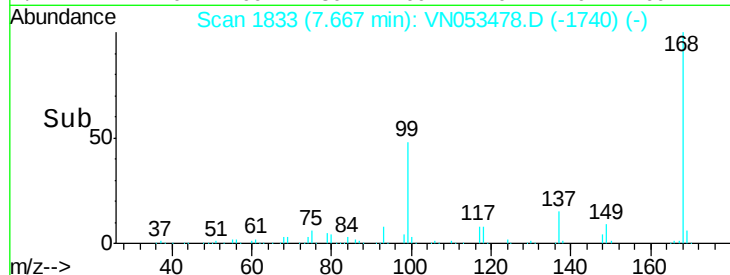
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.186 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053478.D

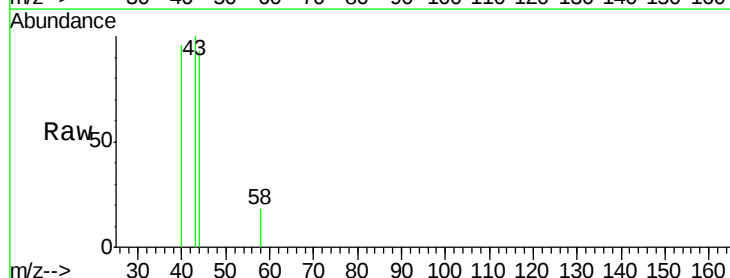
Acq: 18 Jan 2019 17:57

Tgt Ion: 43 Resp: 2307

Ion Ratio Lower Upper

43 100

58 18.4 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

800

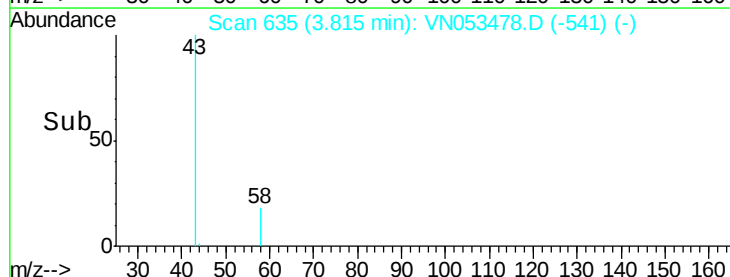
600

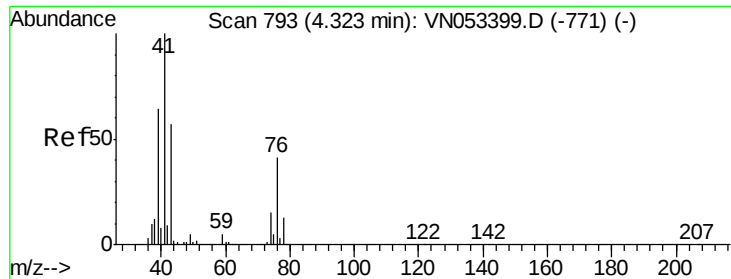
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200

0

Time-->

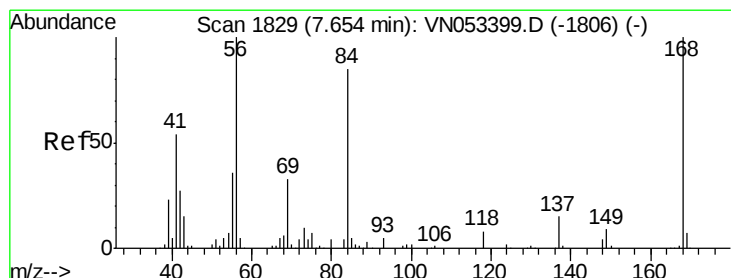
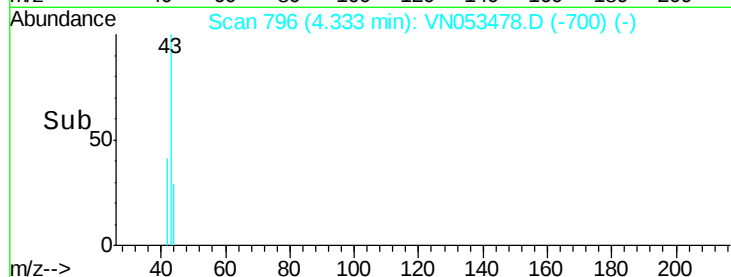
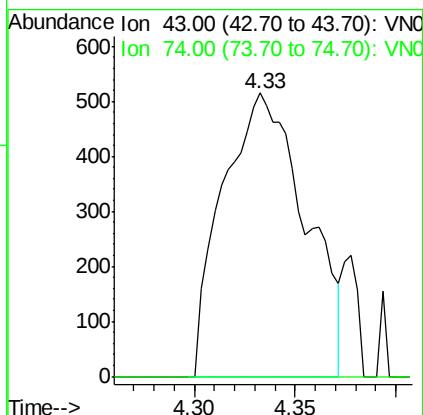
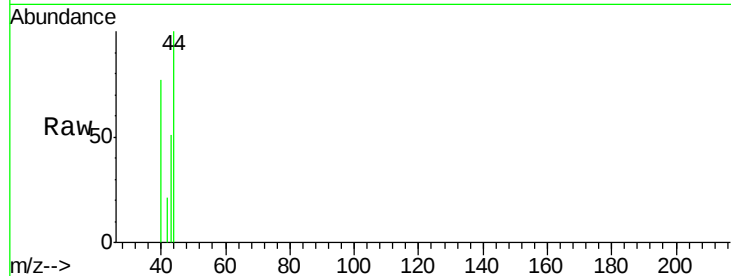




#18
Methvl Acetate
Concen: 0.224 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053478.D
Acq: 18 Jan 2019 17:57

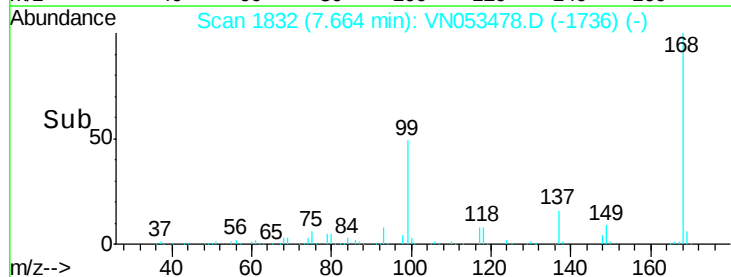
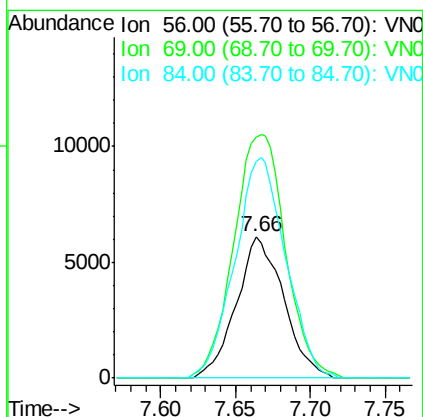
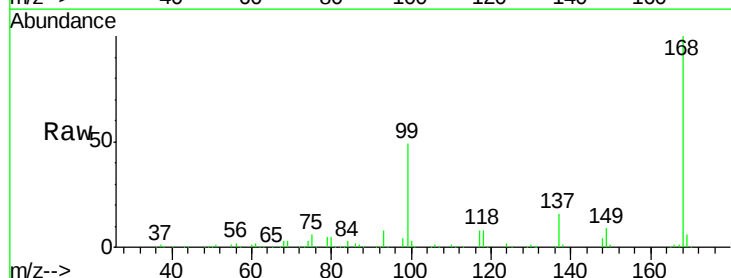
Instrument :
MSVOA_N
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DUP02-20190116

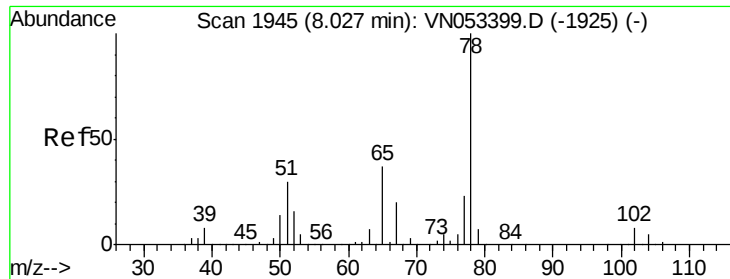
Tot Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.702 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053478.D
Acq: 18 Jan 2019 17:57

Tgt Ion: 56 Resp: 13445
Ion Ratio Lower Upper
56 100
69 170.5 26.4 39.6#
84 153.0 67.9 101.9#

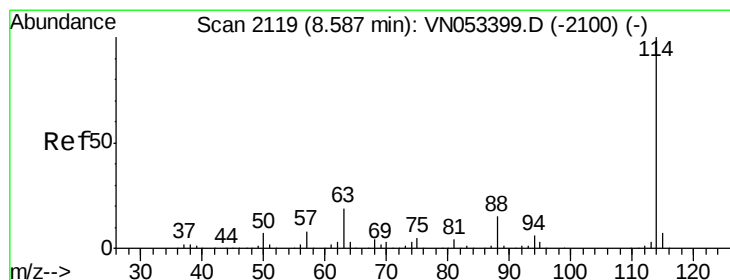
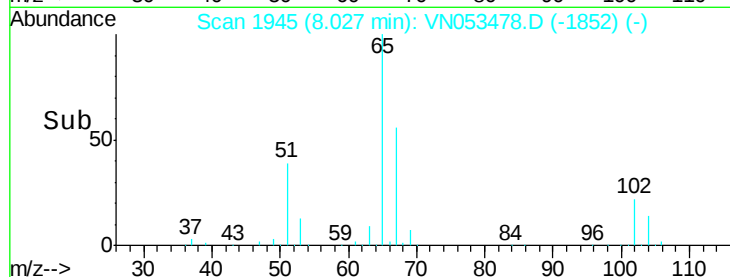
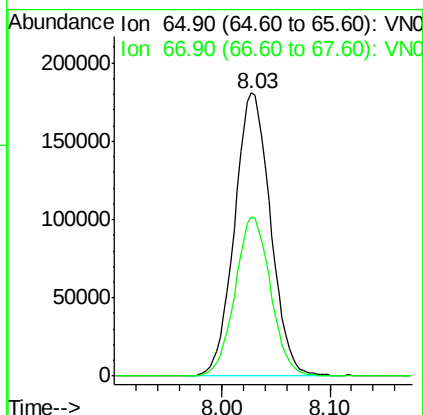
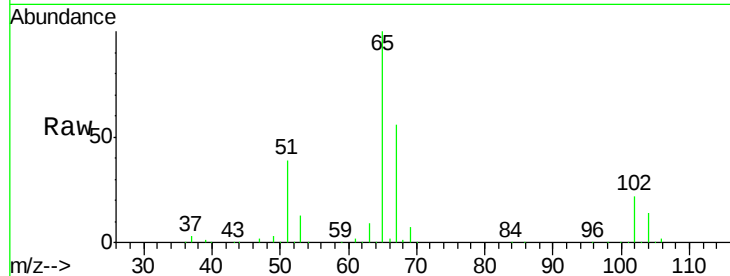




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053478.D
 Acq: 18 Jan 2019 17:57

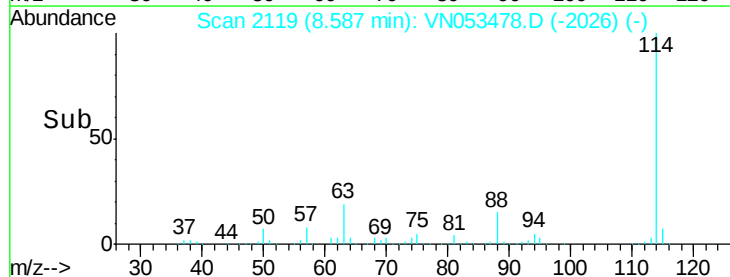
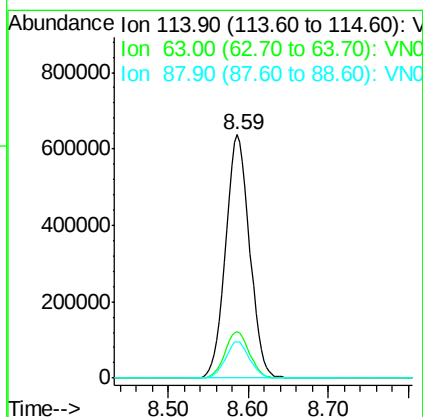
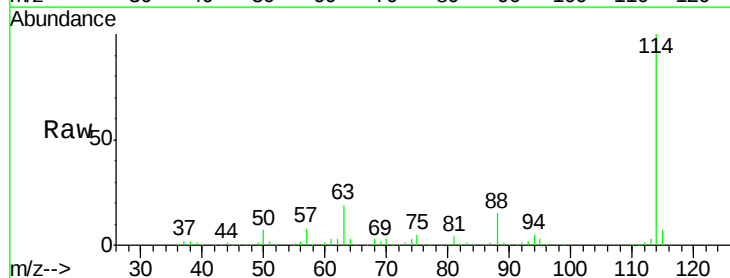
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20190116

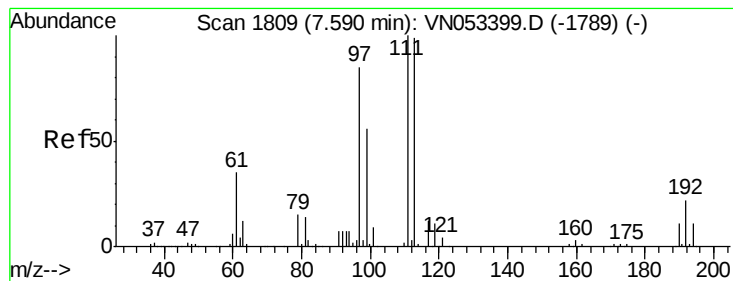
Tot Ion: 65 Resp: 420163
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053478.D
 Acq: 18 Jan 2019 17:57

Tgt Ion: 114 Resp: 1303318
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.1 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: VN053478.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

DUP02-20190116

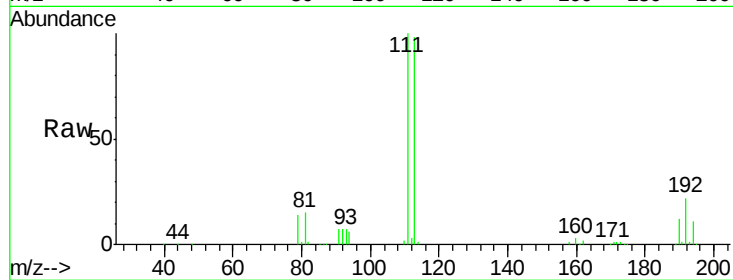
Tot Ion:113 Resp: 384638

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

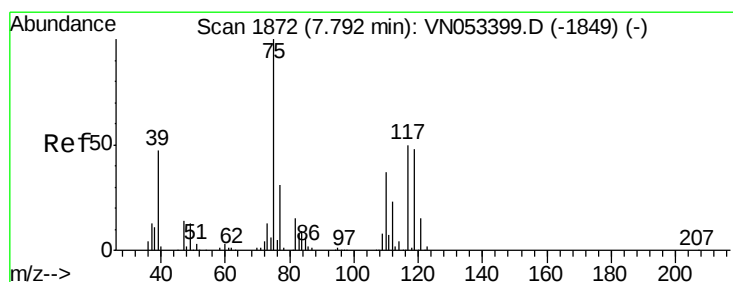
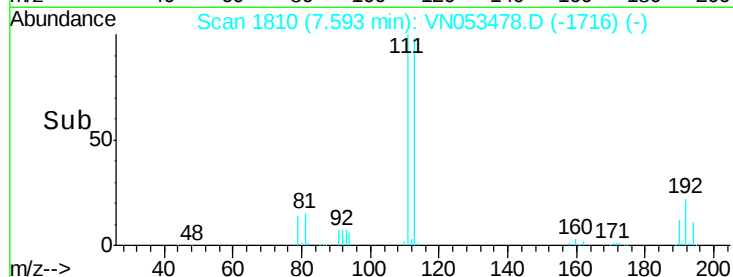
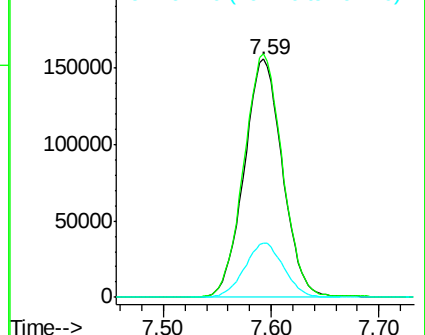
192 23.3 18.2 27.2



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: 4.477 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

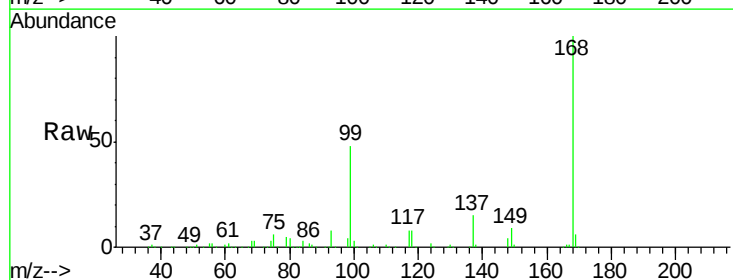
Tgt Ion: 75 Resp: 53139

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.3#

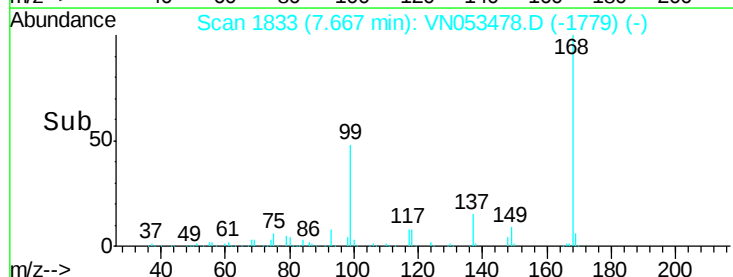
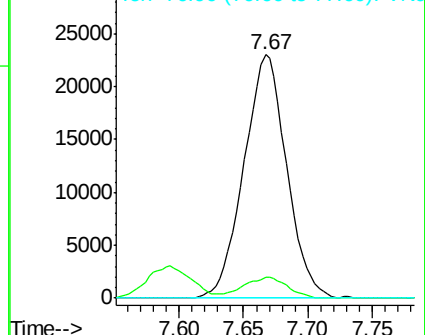
77 0.0 25.1 37.7#

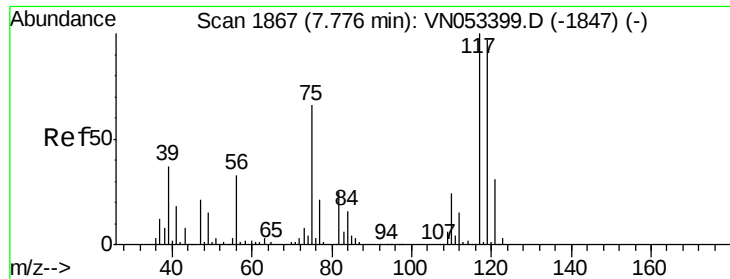


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

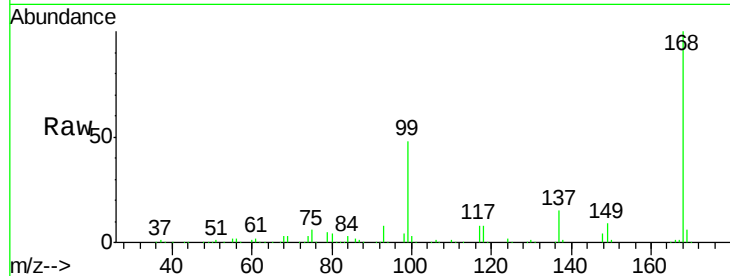




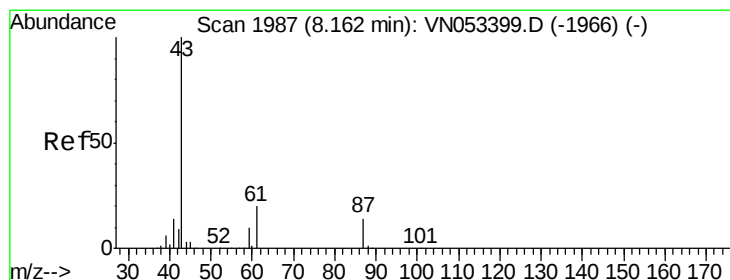
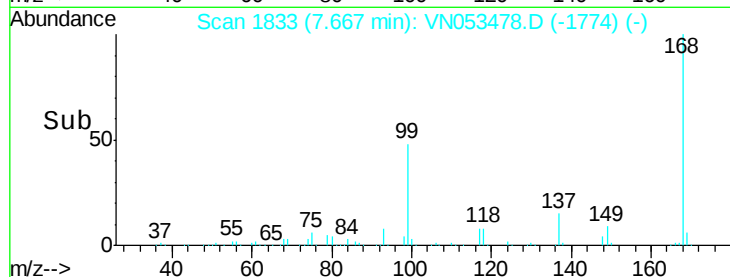
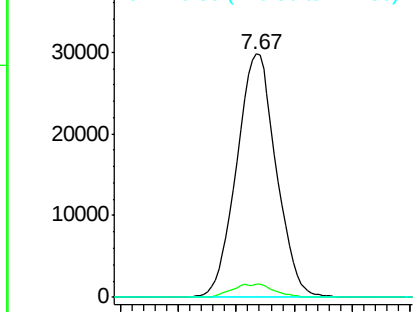
#38
Carbon Tetrachloride
Concen: 6.284 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053478.D
Acq: 18 Jan 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
DUP02-20190116

Tot Ion:117 Resp: 70616
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 24.6 37.0#

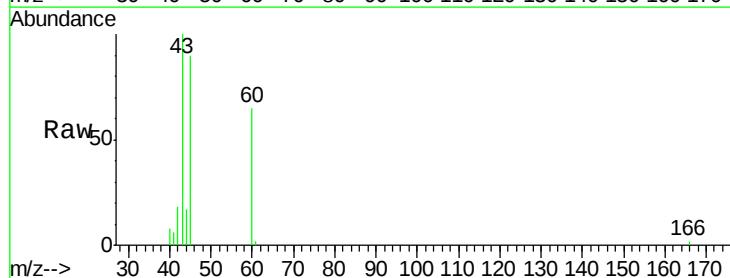


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

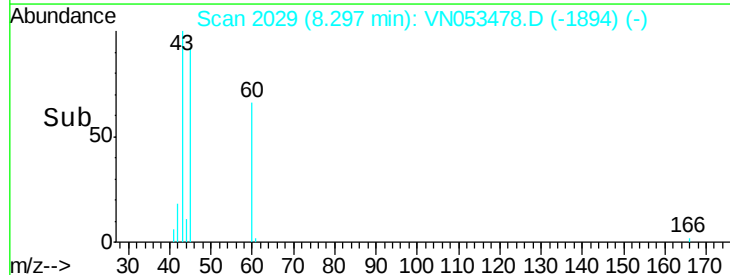
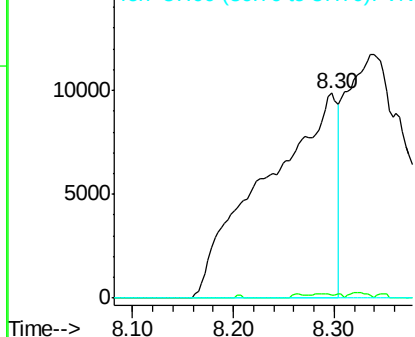


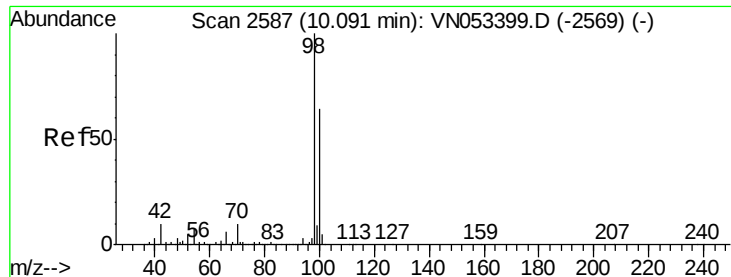
#43
Isopropyl Acetate
Concen: 3.949 ug/l
RT: 8.30 min Scan# 2029
Delta R.T. 0.14 min
Lab File: VN053478.D
Acq: 18 Jan 2019 17:57

Tgt Ion: 43 Resp: 48486
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): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

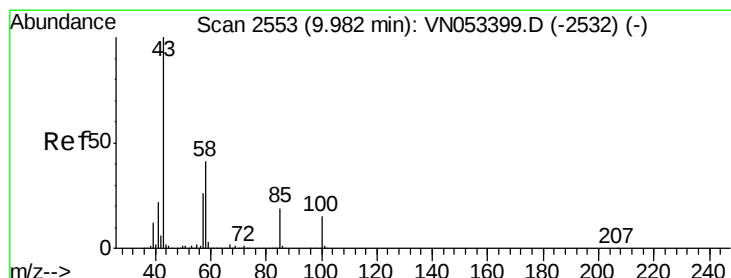
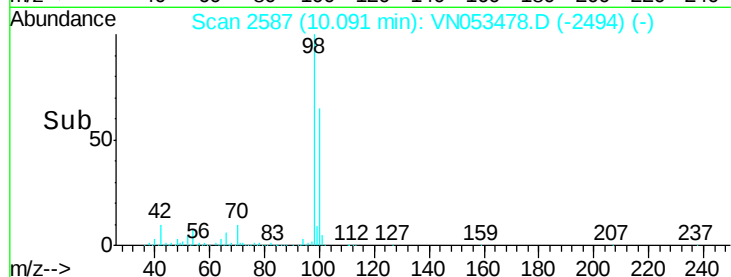
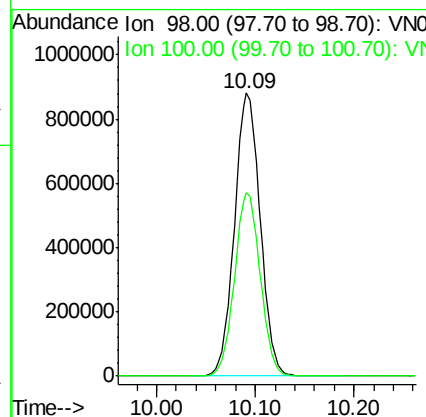
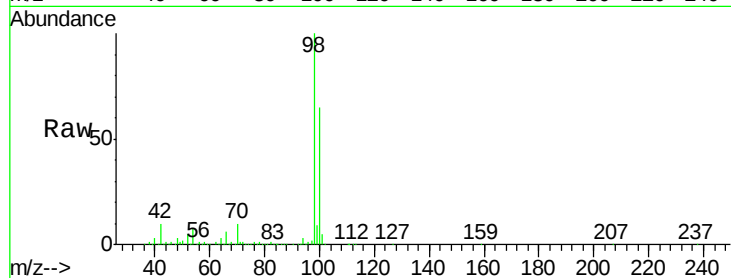
DUP02-20190116

Tot Ion: 98 Resp: 1602126

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.850 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053478.D

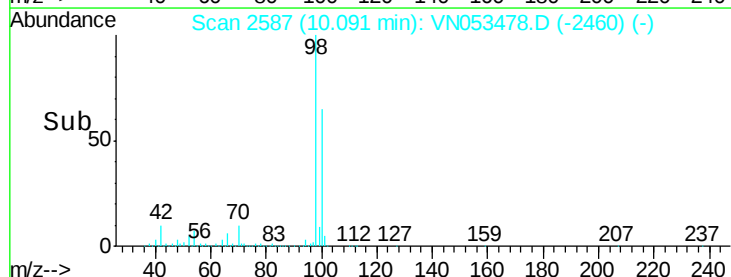
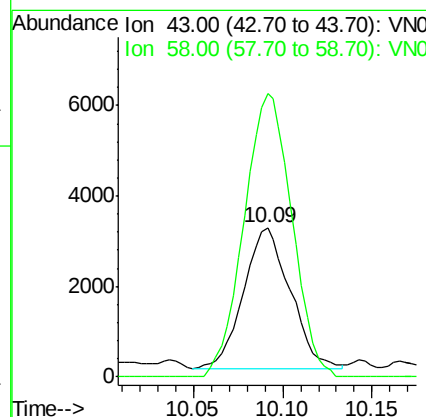
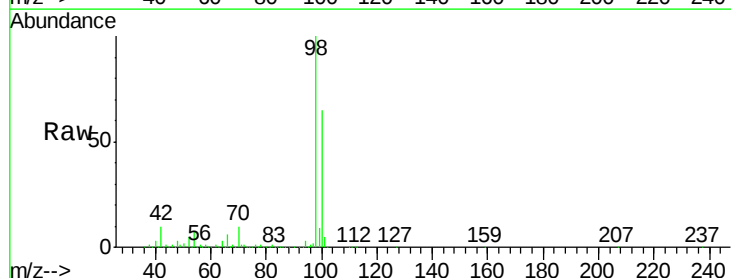
Acq: 18 Jan 2019 17:57

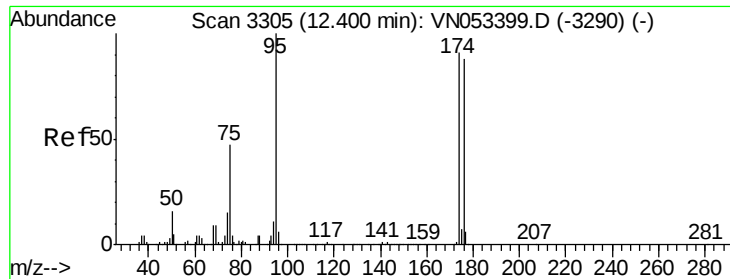
Tgt Ion: 43 Resp: 5697

Ion Ratio Lower Upper

43 100

58 205.3 32.8 49.2#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

DUP02-20190116

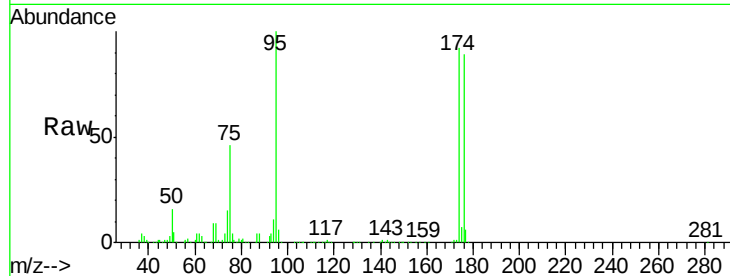
Tot Ion: 95 Resp: 554573

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

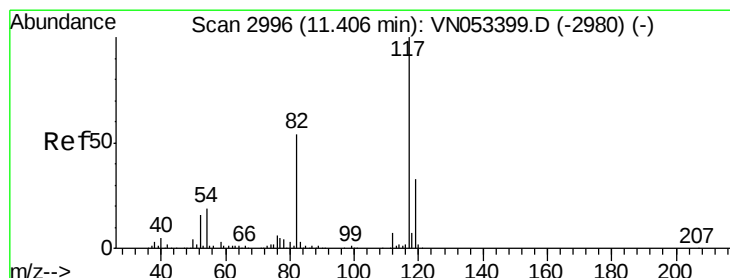
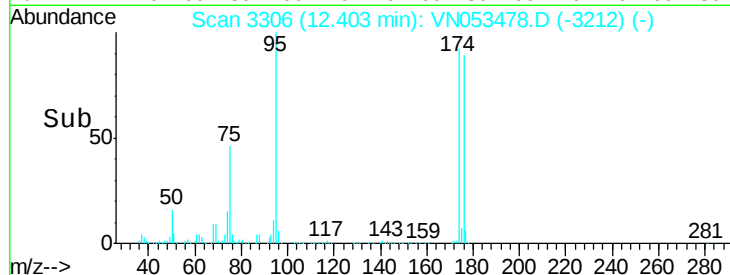
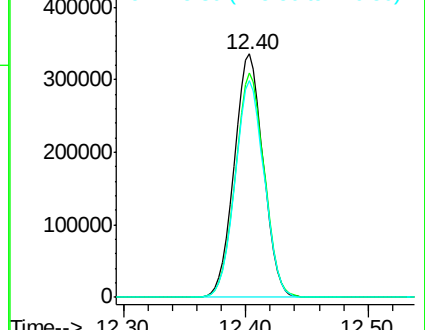
176 89.0 0.0 177.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

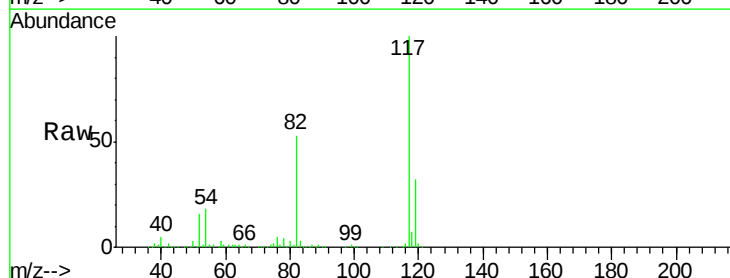
Tgt Ion: 117 Resp: 1225190

Ion Ratio Lower Upper

117 100

82 52.9 42.9 64.3

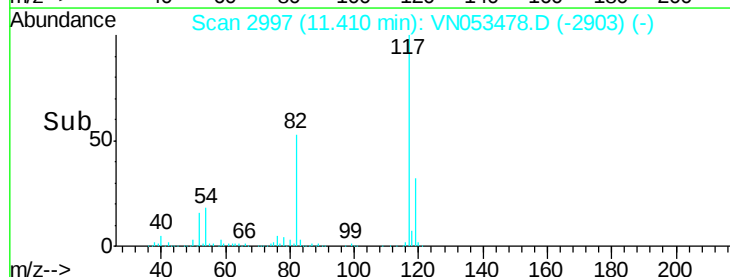
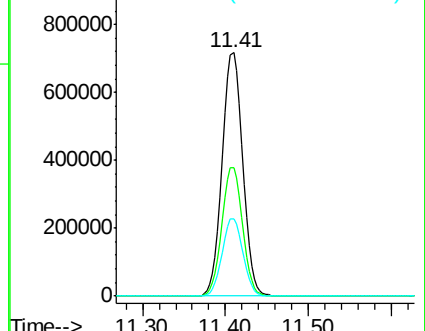
119 32.0 26.0 39.0

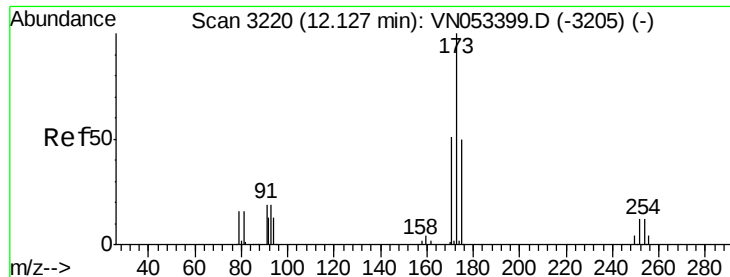


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

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

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





#71

Bromoform

Concen: 0.573 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

DUP02-20190116

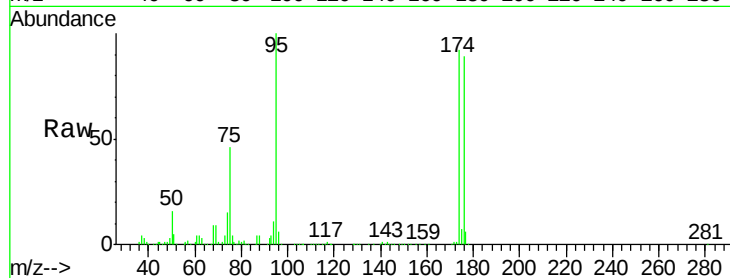
Tot Ion:173 Resp: 3558

Ion Ratio Lower Upper

173 100

175 882.3 24.6 74.0#

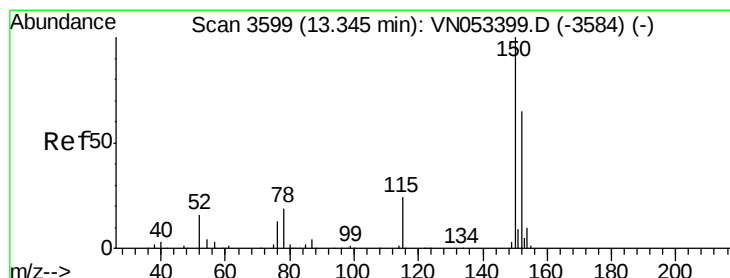
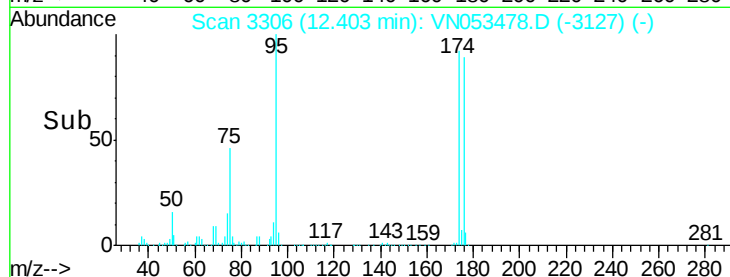
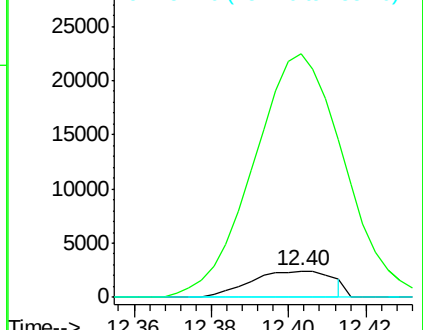
254 0.0 0.2 0.2#



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: VN053478.D

Acq: 18 Jan 2019 17:57

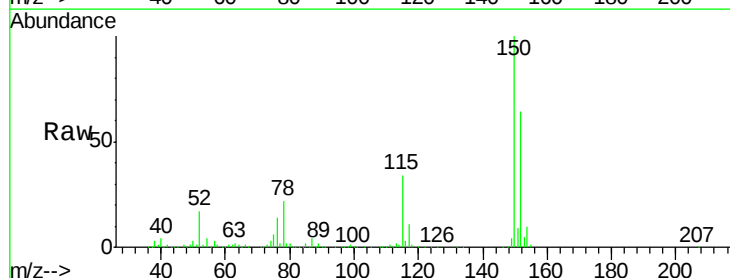
Tgt Ion:152 Resp: 536257

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

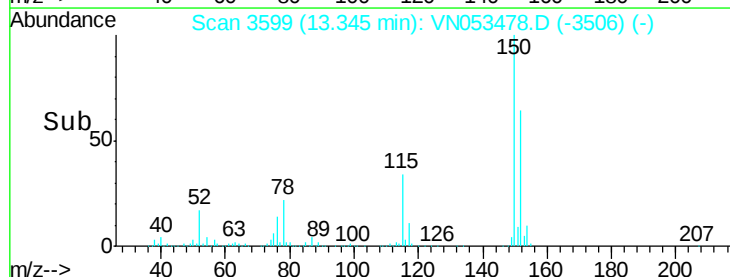
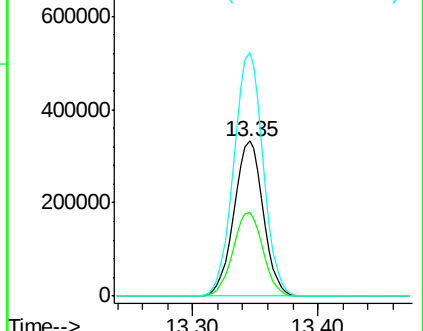
150 158.2 0.0 349.0

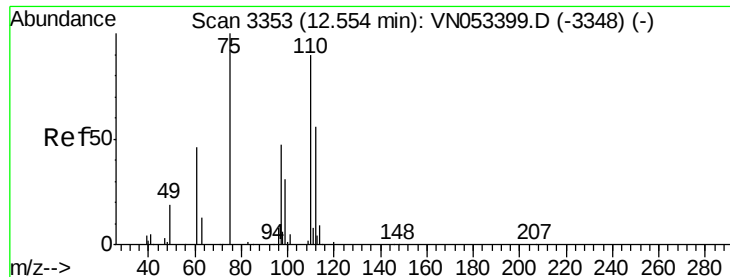


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.363 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

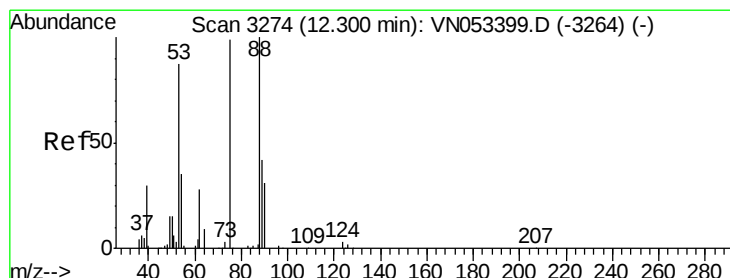
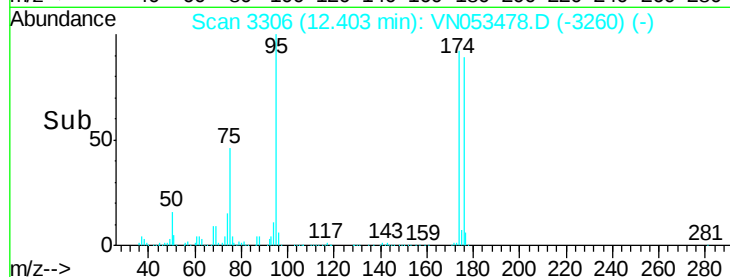
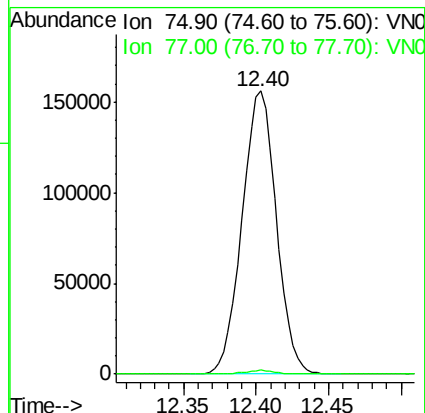
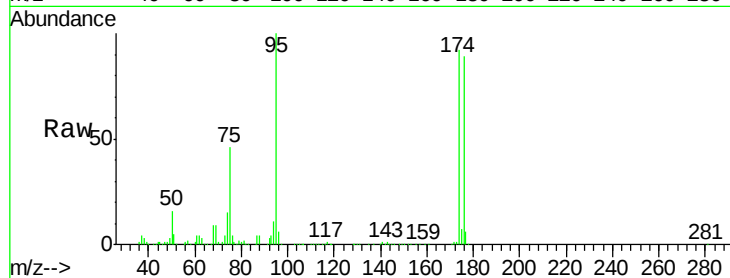
DUP02-20190116

Tot Ion: 75 Resp: 256969

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.896 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053478.D

Acq: 18 Jan 2019 17:57

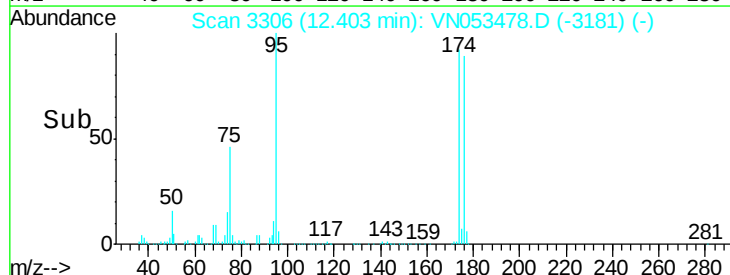
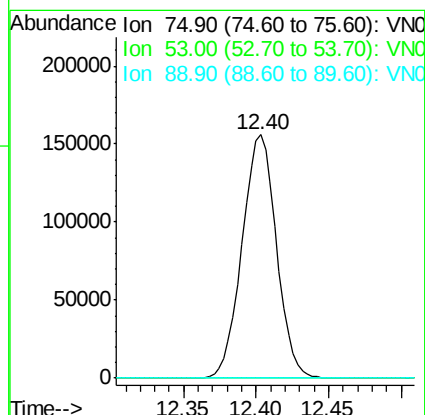
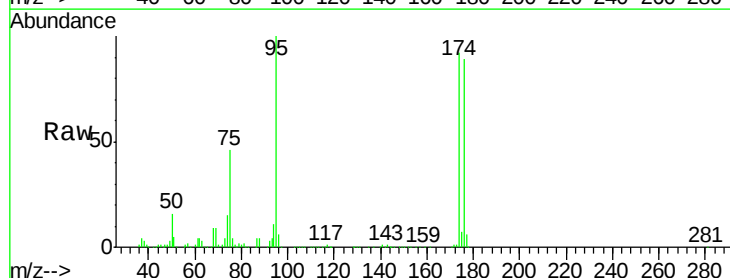
Tgt Ion: 75 Resp: 256969

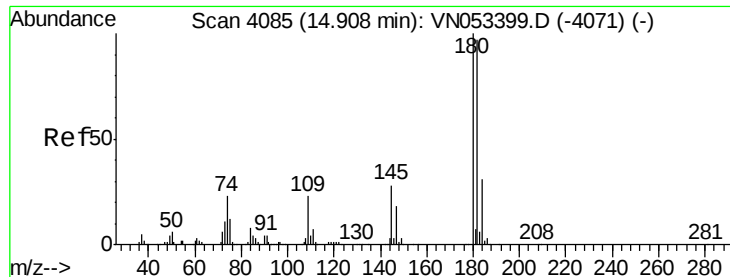
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

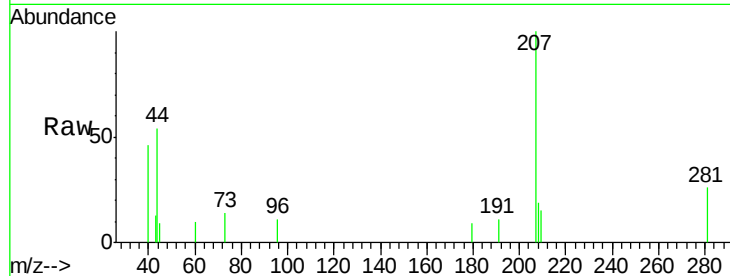




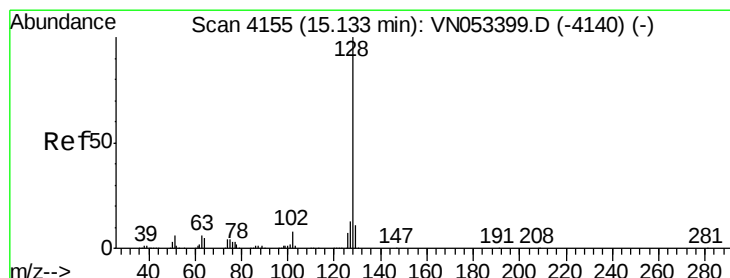
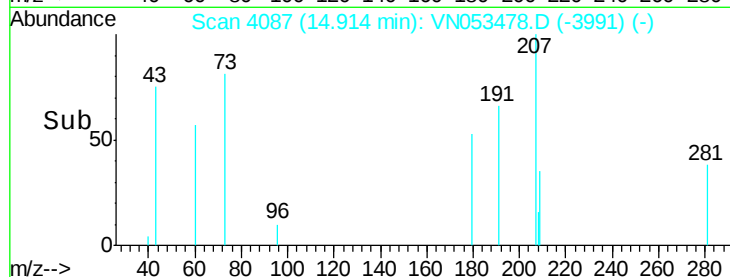
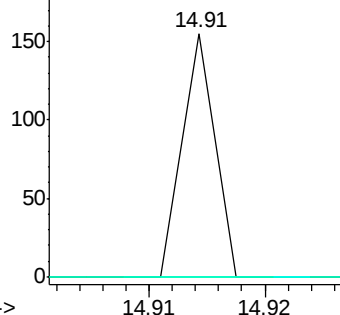
#93
 1,2,4-Trichlorobenzene
 Concen: 2.770 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN053478.D
 Acq: 18 Jan 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20190116

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	13.9	41.6#

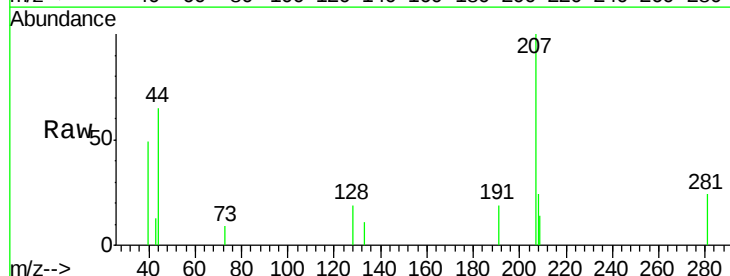


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.966 ug/l
 RT: 15.14 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN053478.D
 Acq: 18 Jan 2019 17:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	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

