

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053480.D
 Acq On : 18 Jan 2019 18:51
 Operator : JC/SP
 Sample : K1199-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327

Quant Time: Jan 19 00:23:53 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	845278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1319166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1226078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	504526	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	425198	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	388936	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.09	98	1637090	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.40	95	538505	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

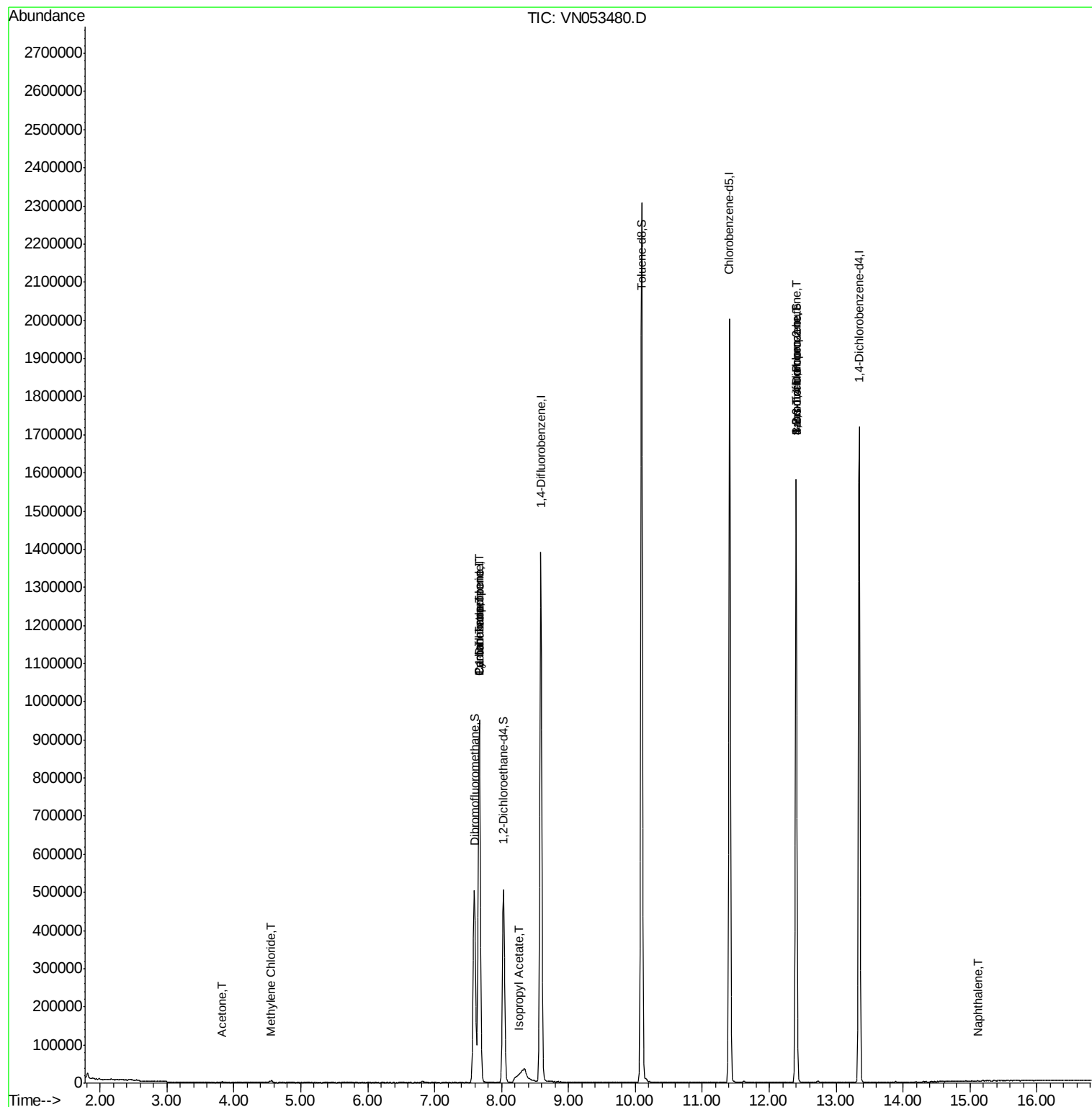
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	3341	1.704	ug/l	99
20) Methylene Chloride	4.55	84	4131	0.462	ug/l #	78
31) Cyclohexane	7.67	56	13462	0.696	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	54212	4.512	ug/l #	49
38) Carbon Tetrachloride	7.67	117	73802	6.489	ug/l #	17
43) Isopropyl Acetate	8.25	43	23254	1.871	ug/l #	51
71) Bromoform	12.40	173	3625	0.583	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	251712	37.859	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	251712	93.490	ug/l #	15
95) Naphthalene	15.13	128	33	3.941	ug/l #	69

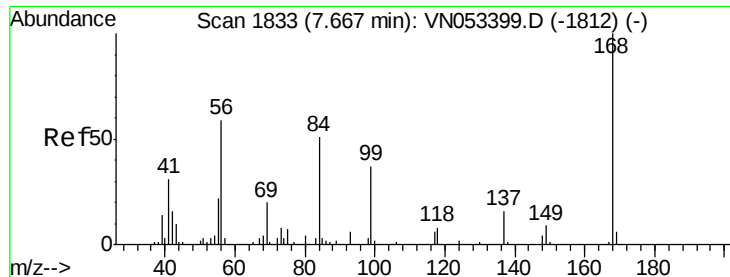
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011819\
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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: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA_N

ClientSampleId :

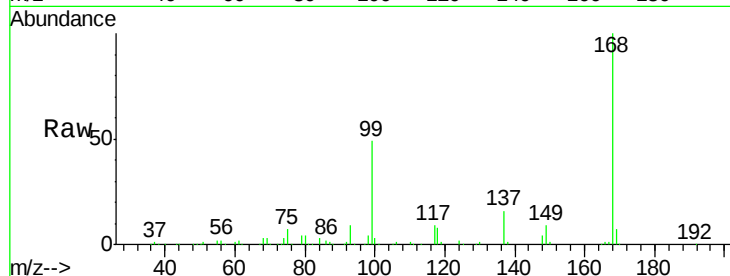
SA-TW521-2327

Tot Ion:168 Resp: 845278

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

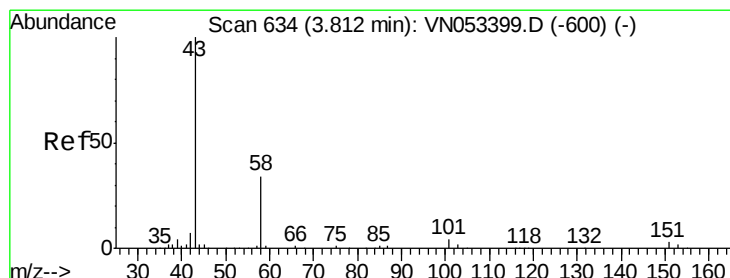
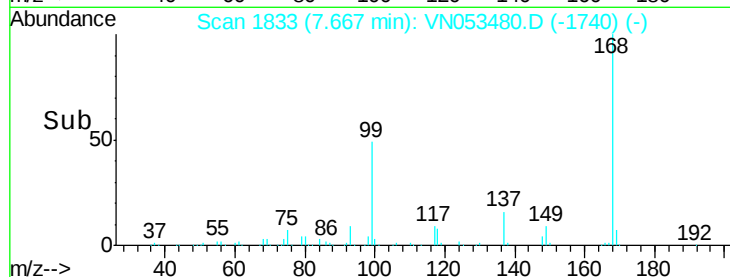
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.704 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053480.D

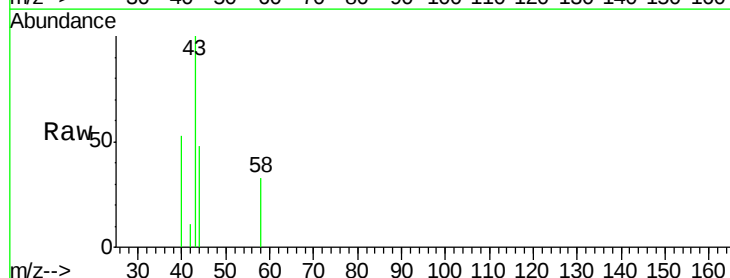
Acq: 18 Jan 2019 18:51

Tgt Ion: 43 Resp: 3341

Ion Ratio Lower Upper

43 100

58 33.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)

3.82

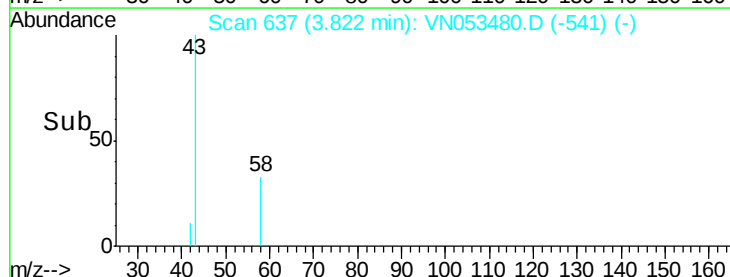
1500

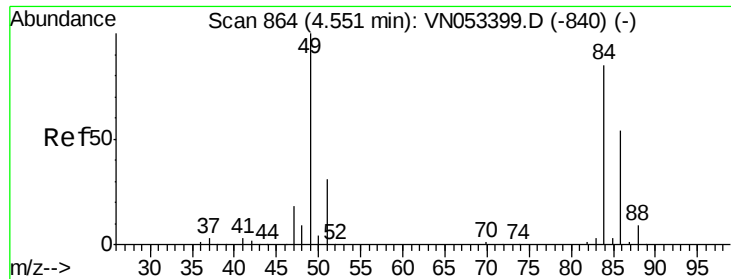
1000

500

0

Time-->

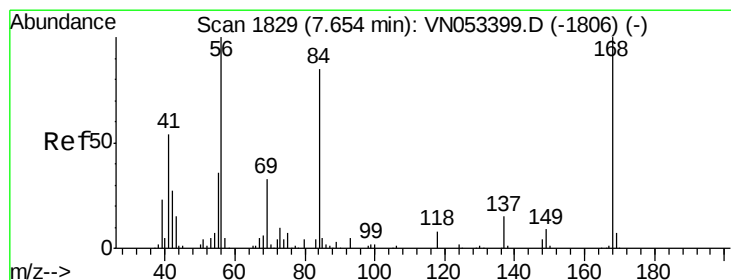
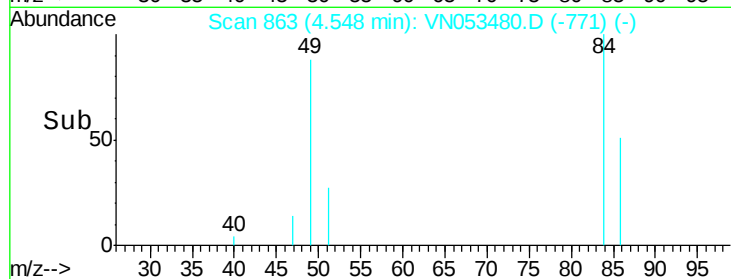
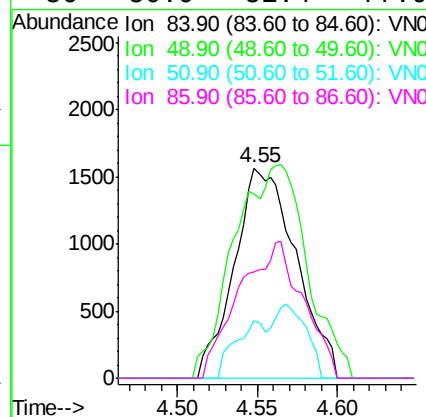
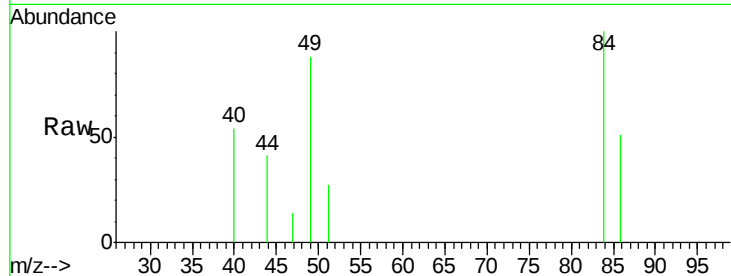




#20
Methvlene Chloride
Concen: 0.462 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN053480.D
Acq: 18 Jan 2019 18:51

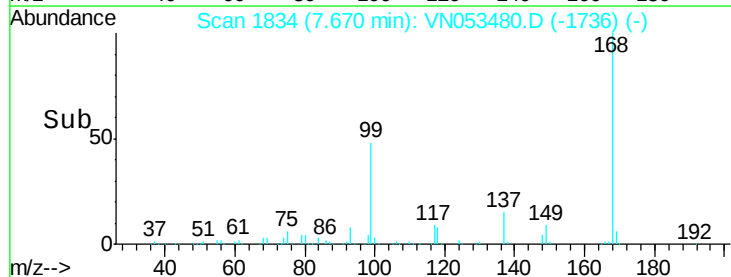
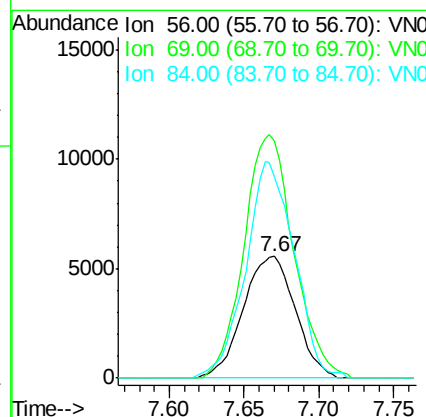
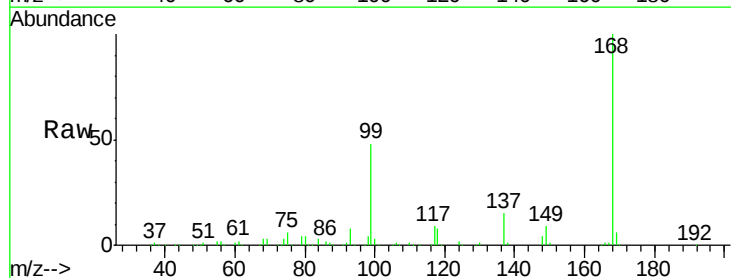
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SA-TW521-2327

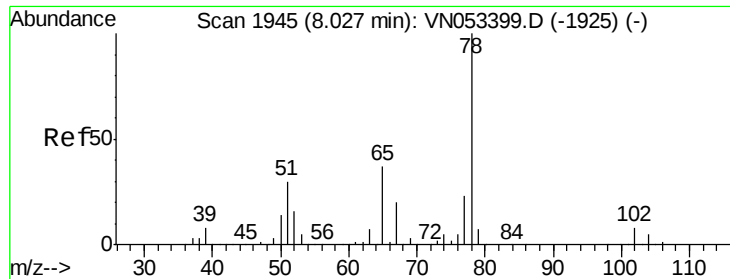
Tot Ion: 84 Resp: 4131
Ion Ratio Lower Upper
84 100
49 88.1 94.3 141.5#
51 27.2 29.4 44.2#
86 50.9 51.4 77.0#



#31
Cyclohexane
Concen: 0.696 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN053480.D
Acq: 18 Jan 2019 18:51

Tgt Ion: 56 Resp: 13462
Ion Ratio Lower Upper
56 100
69 195.3 26.4 39.6#
84 166.0 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA_N

ClientSampleId :

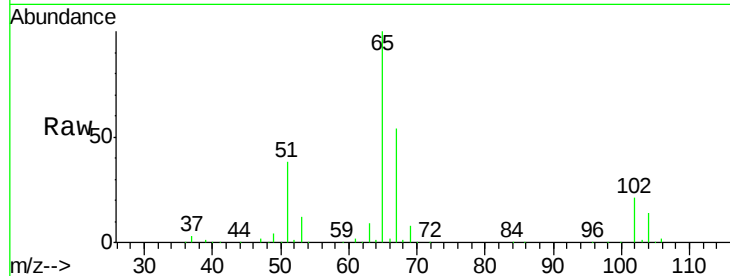
SA-TW521-2327

Tot Ion: 65 Resp: 425198

Ion Ratio Lower Upper

65 100

67 55.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)

8.03

200000

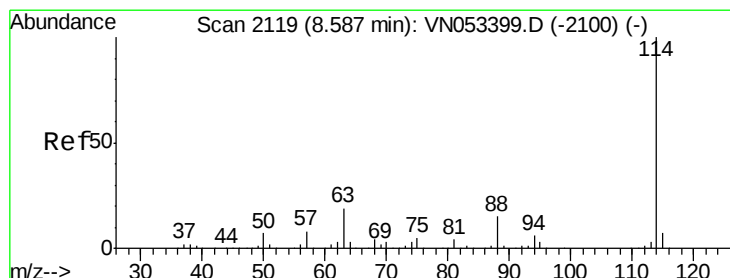
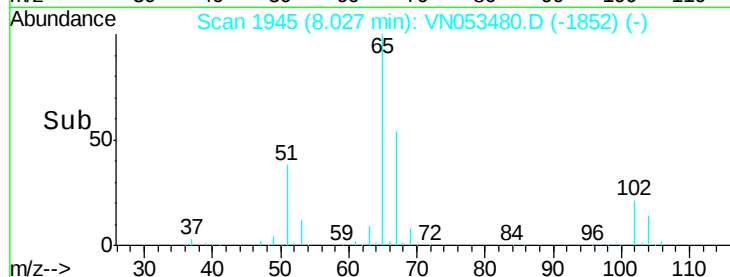
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

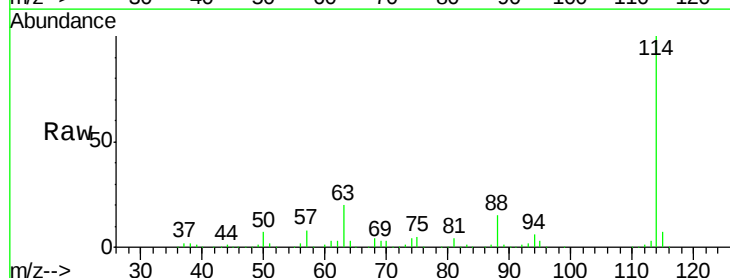
Tgt Ion: 114 Resp: 1319166

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

8.59

800000

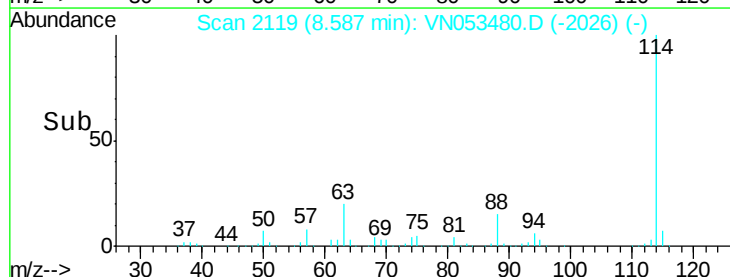
600000

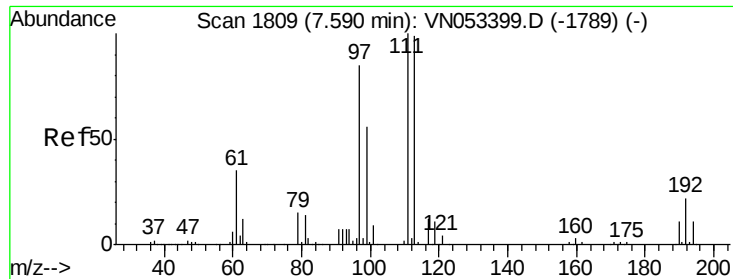
400000

200000

0

Time--> 8.50 8.60 8.70

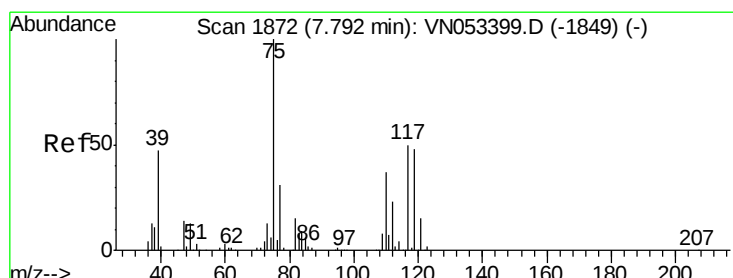
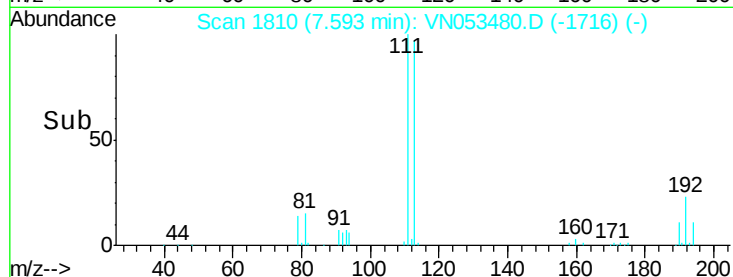
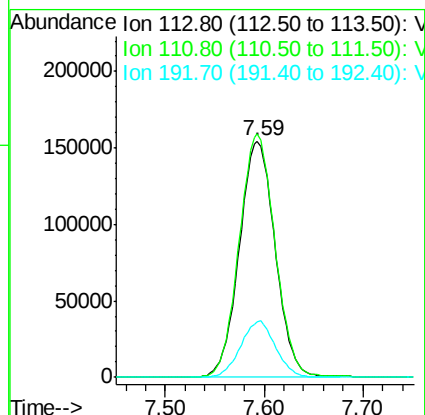
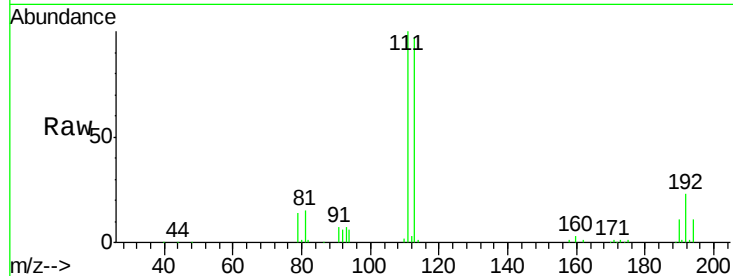




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053480.D
 Acq: 18 Jan 2019 18:51

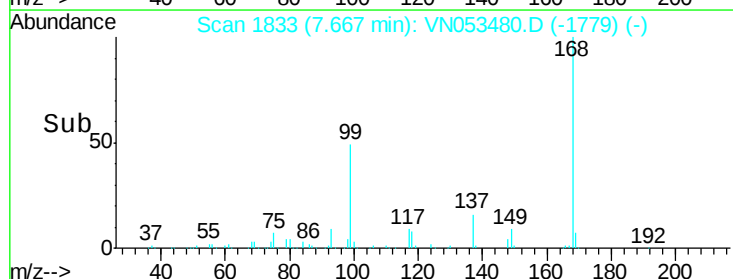
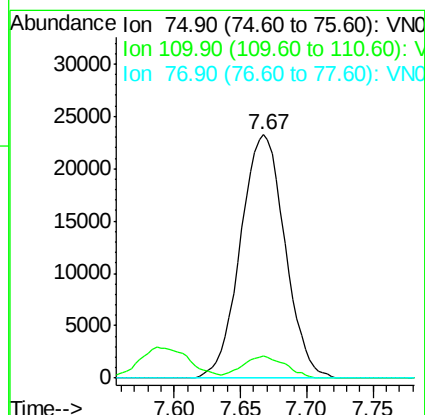
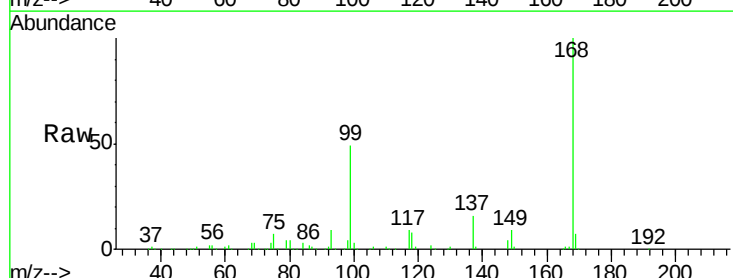
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327

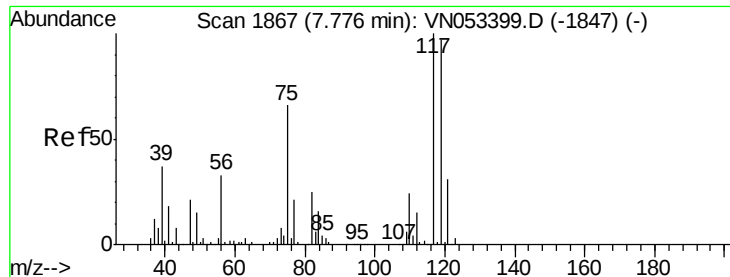
Tot Ion:113 Resp: 388936
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053480.D
 Acq: 18 Jan 2019 18:51

Tgt Ion: 75 Resp: 54212
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327

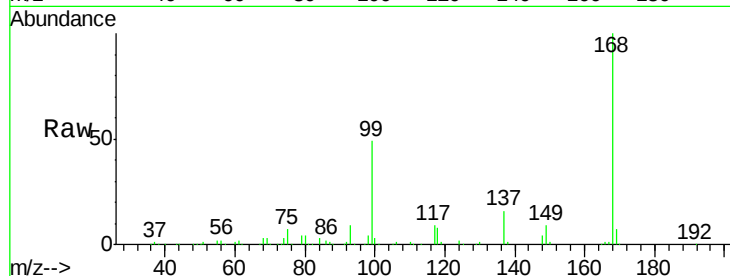
Tot Ion:117 Resp: 73802

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

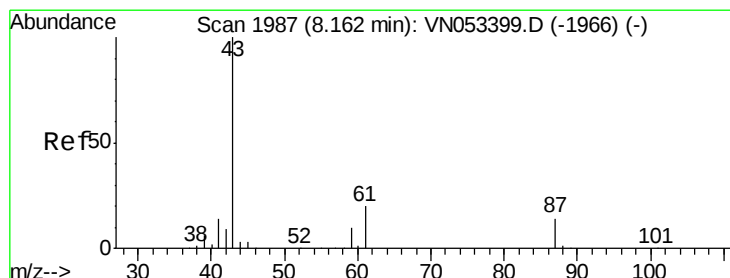
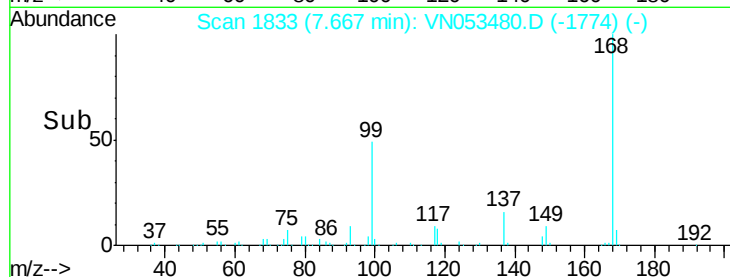
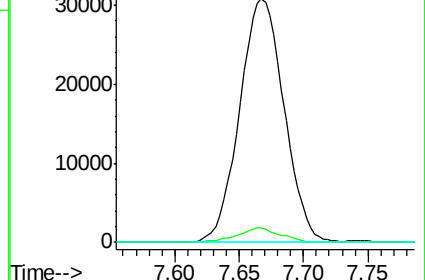
121 0.0 24.6 37.0#



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: 1.871 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

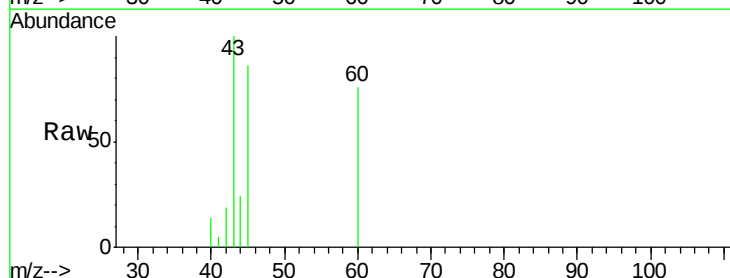
Tgt Ion: 43 Resp: 23254

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

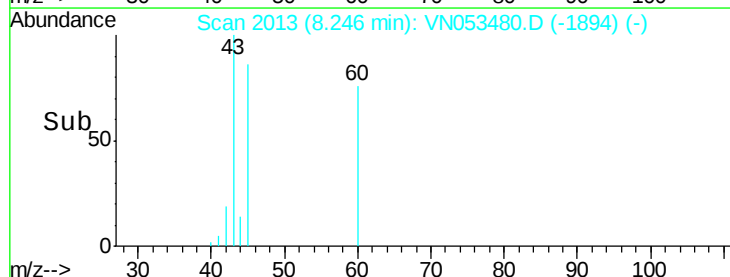
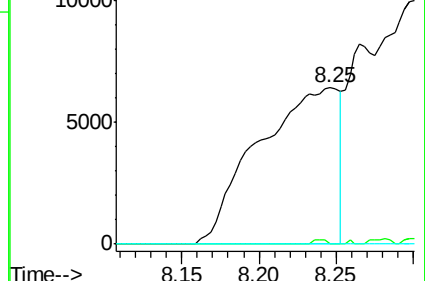
87 0.0 11.0 16.6#

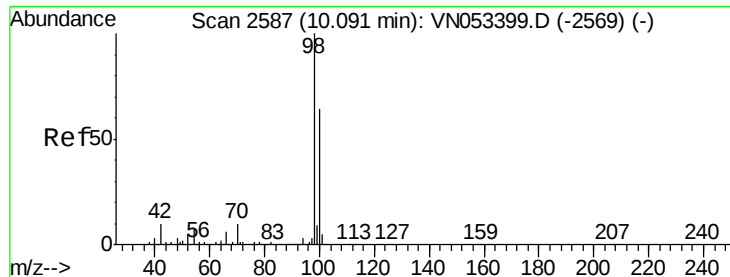


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN053480.D

Acq: 18 Jan 2019 18:51

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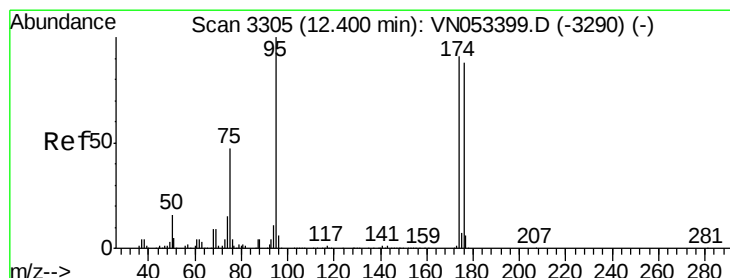
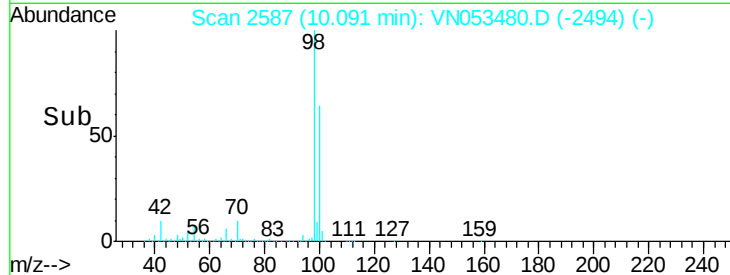
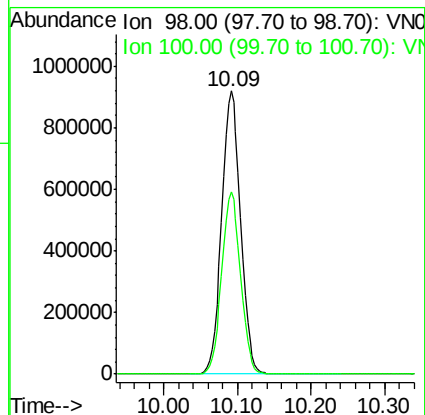
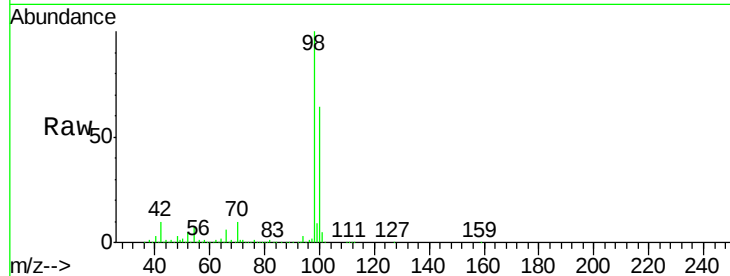
SA-TW521-2327

Tot Ion: 98 Resp: 1637090

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

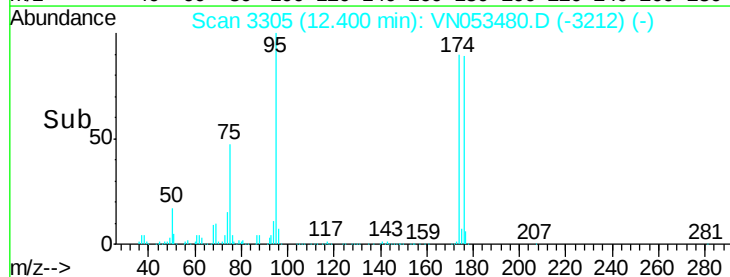
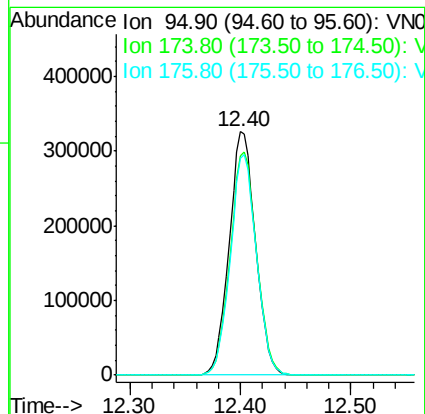
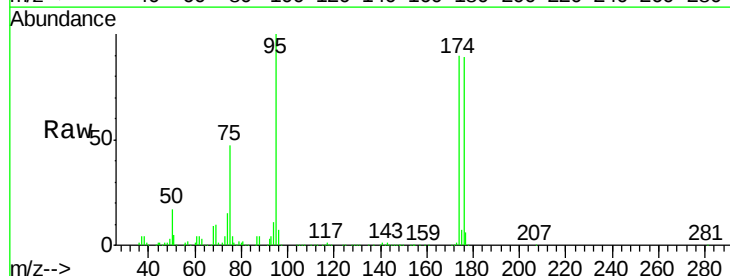
Tgt Ion: 95 Resp: 538505

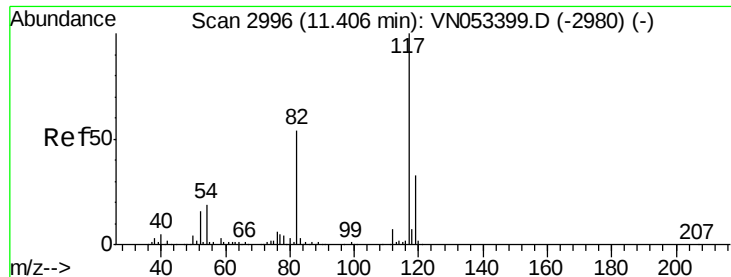
Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.2

176 89.7 0.0 177.4

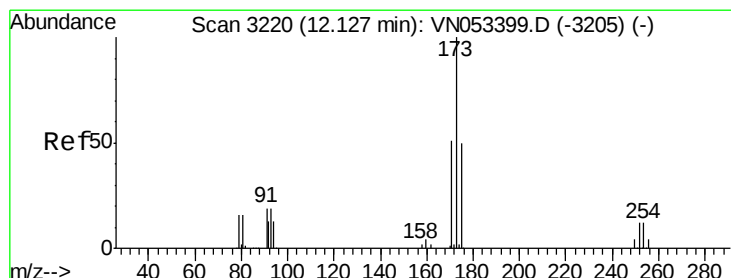
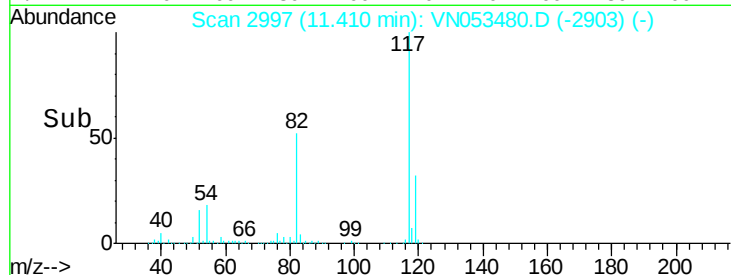
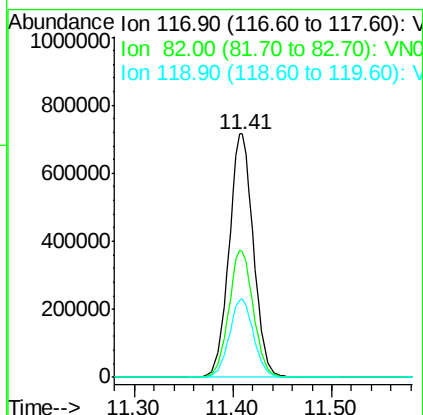
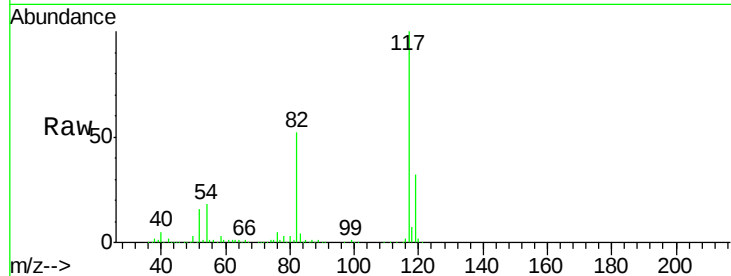




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053480.D
Acq: 18 Jan 2019 18:51

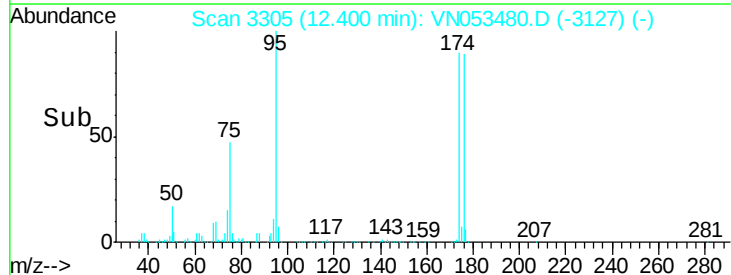
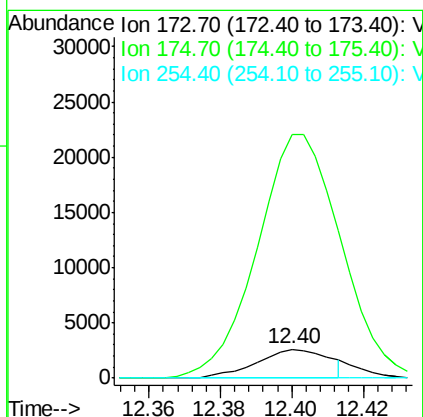
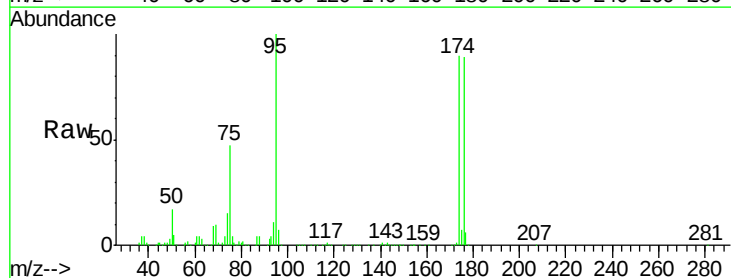
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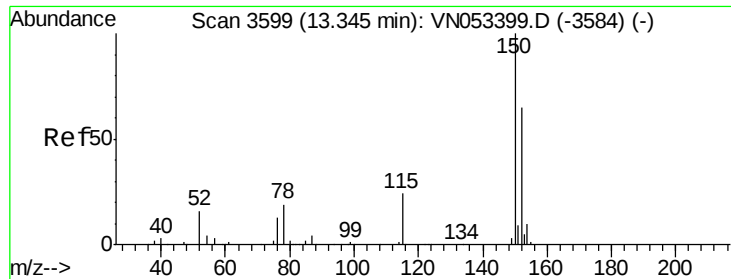
Tot Ion:117 Resp: 1226078
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 32.0 26.0 39.0



#71
Bromoform
Concen: 0.583 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053480.D
Acq: 18 Jan 2019 18:51

Tgt Ion:173 Resp: 3625
Ion Ratio Lower Upper
173 100
175 862.3 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327

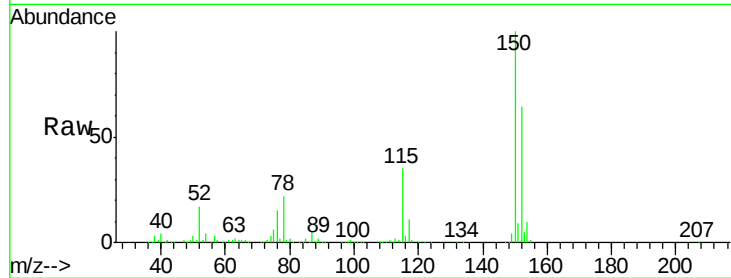
Tot Ion:152 Resp: 504526

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

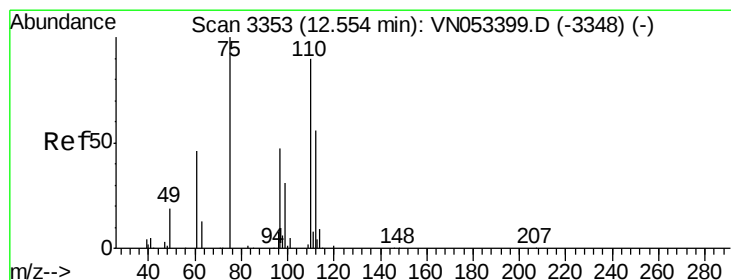
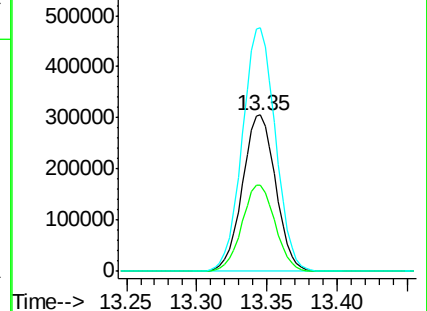
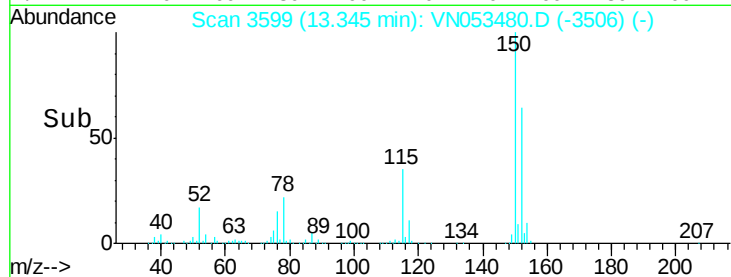
150 155.2 0.0 349.0



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: 37.859 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053480.D

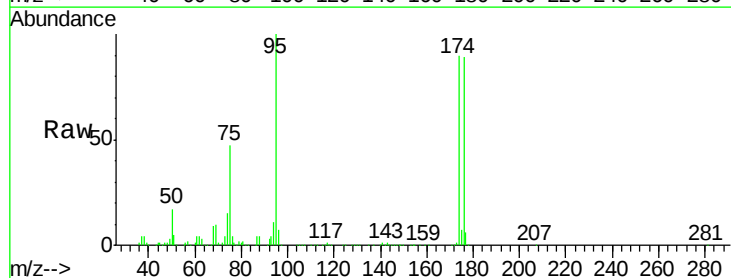
Acq: 18 Jan 2019 18:51

Tgt Ion: 75 Resp: 251712

Ion Ratio Lower Upper

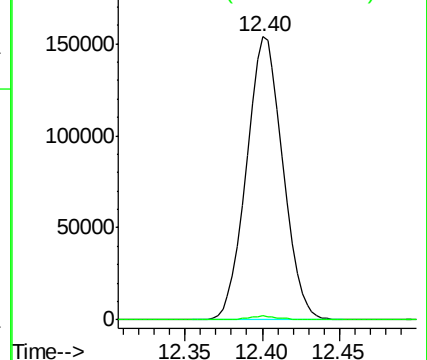
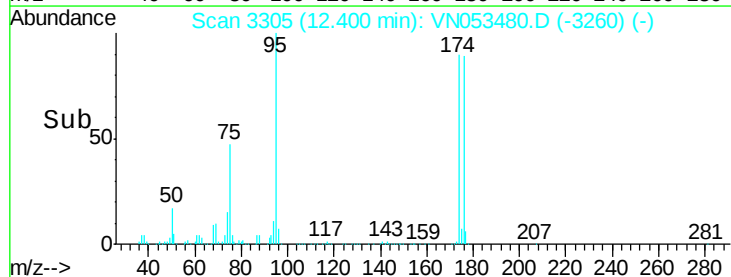
75 100

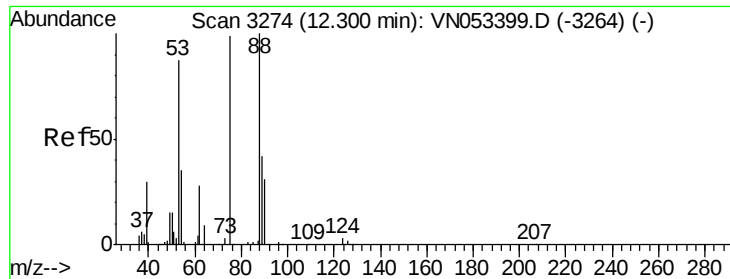
77 1.2 0.0 0.0#



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: 93.490 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327

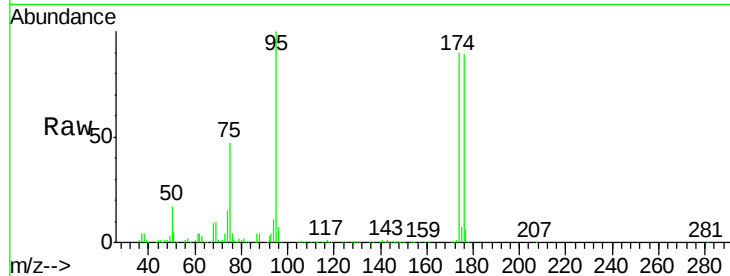
Tot Ion: 75 Resp: 251712

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)

12.40

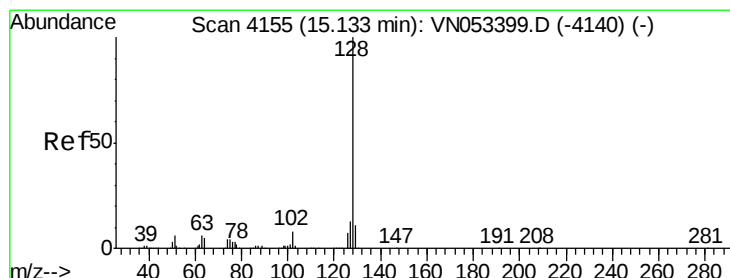
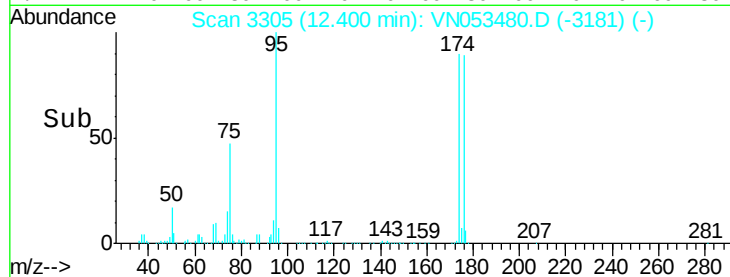
150000

100000

50000

0

Time-->



#95

Naphthalene

Concen: 3.941 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053480.D

Acq: 18 Jan 2019 18:51

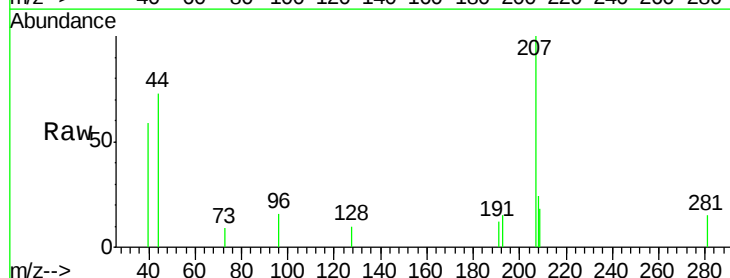
Tgt Ion: 128 Resp: 33

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): VN053399.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN053399.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN053399.D (-4140) (-)

15.13

200

150

100

50

0

Time-->

